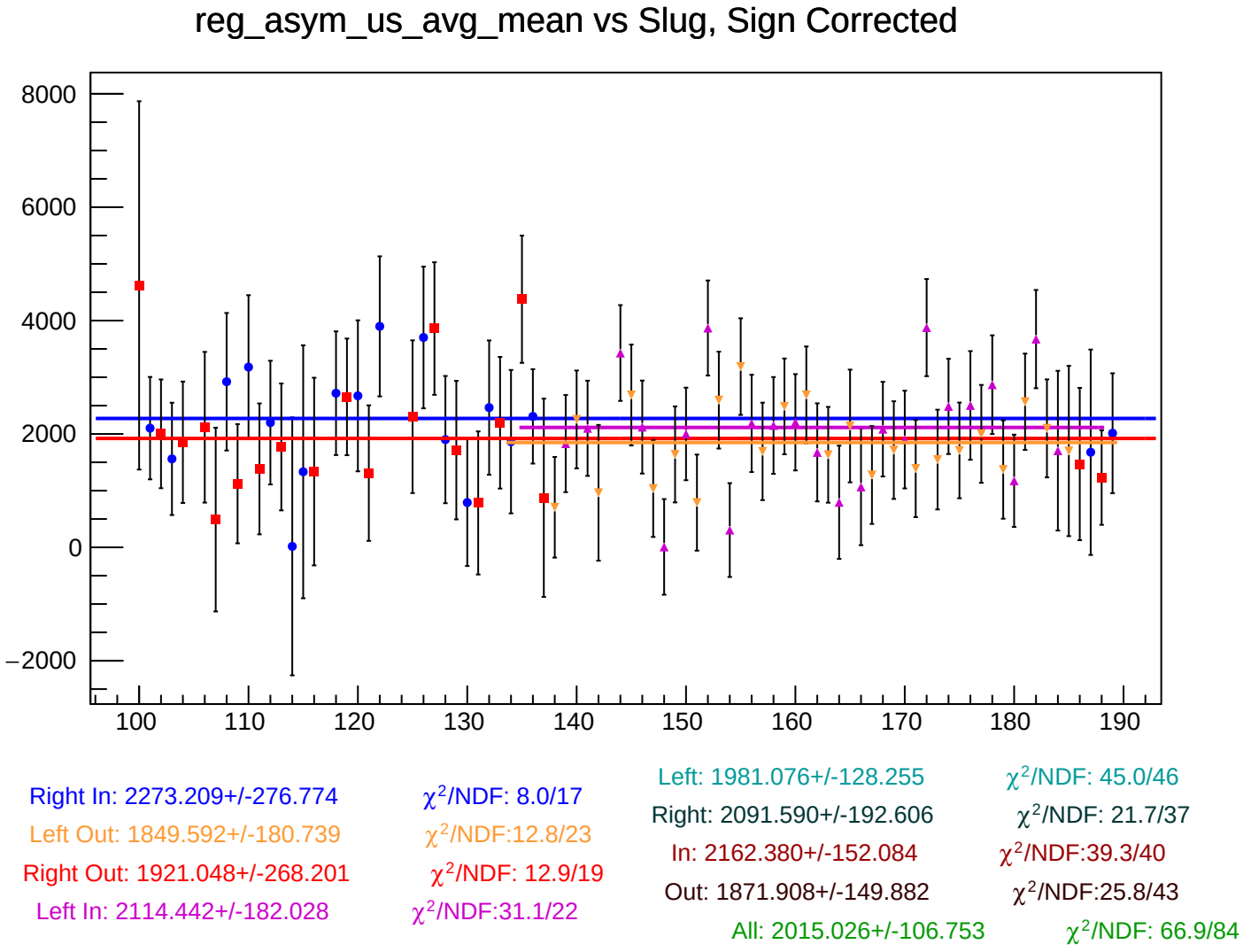
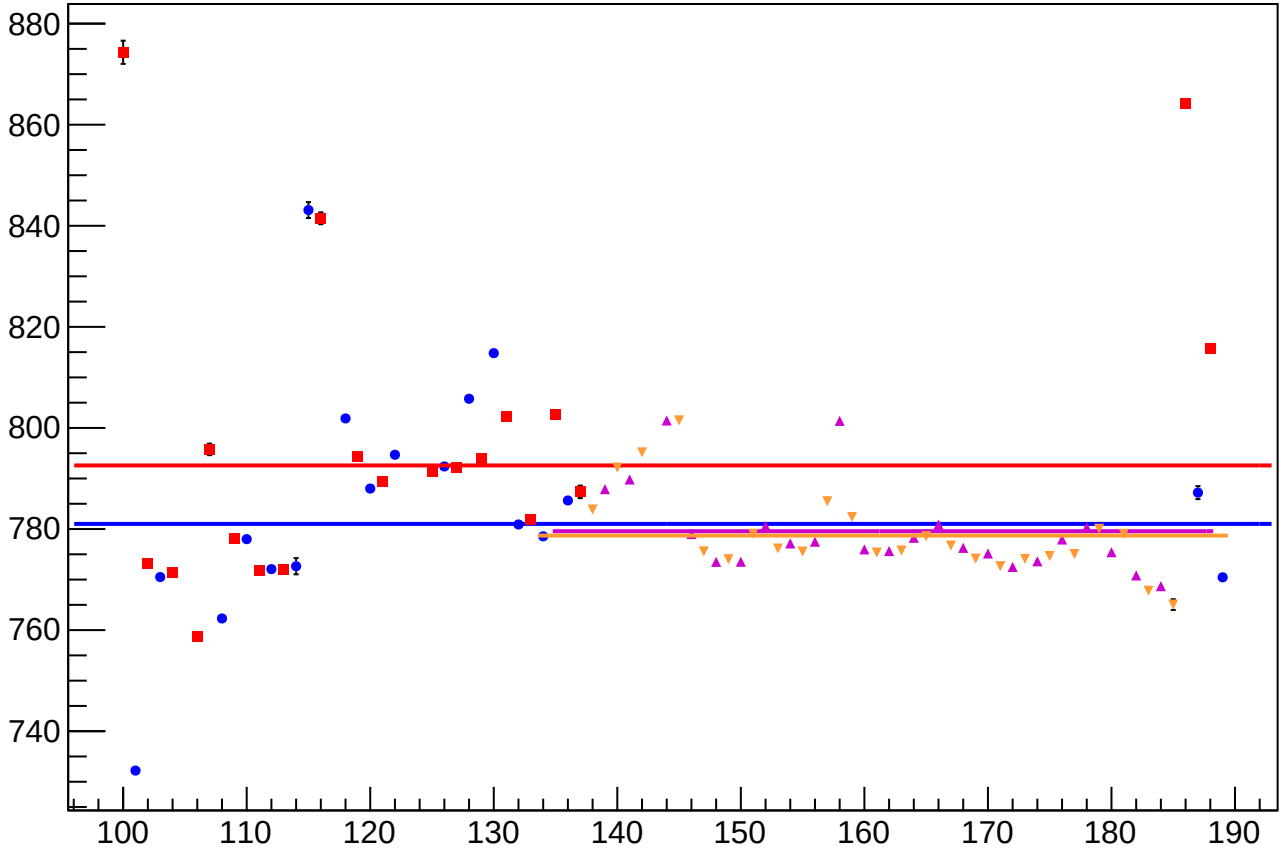

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
180
190
Right In: 2273.209+/-276.774
χ²/NDF: 8.0/17
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 1921.048+/-268.201
χ²/NDF: 12.9/19
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2091.590+/-192.606
χ²/NDF: 21.7/37
In: 2162.380+/-152.084
χ²/NDF:39.3/40
Out: 1871.908+/-149.882
χ²/NDF:25.8/43
All: 2015.026+/-106.753
χ²/NDF: 66.9/84

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

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

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

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

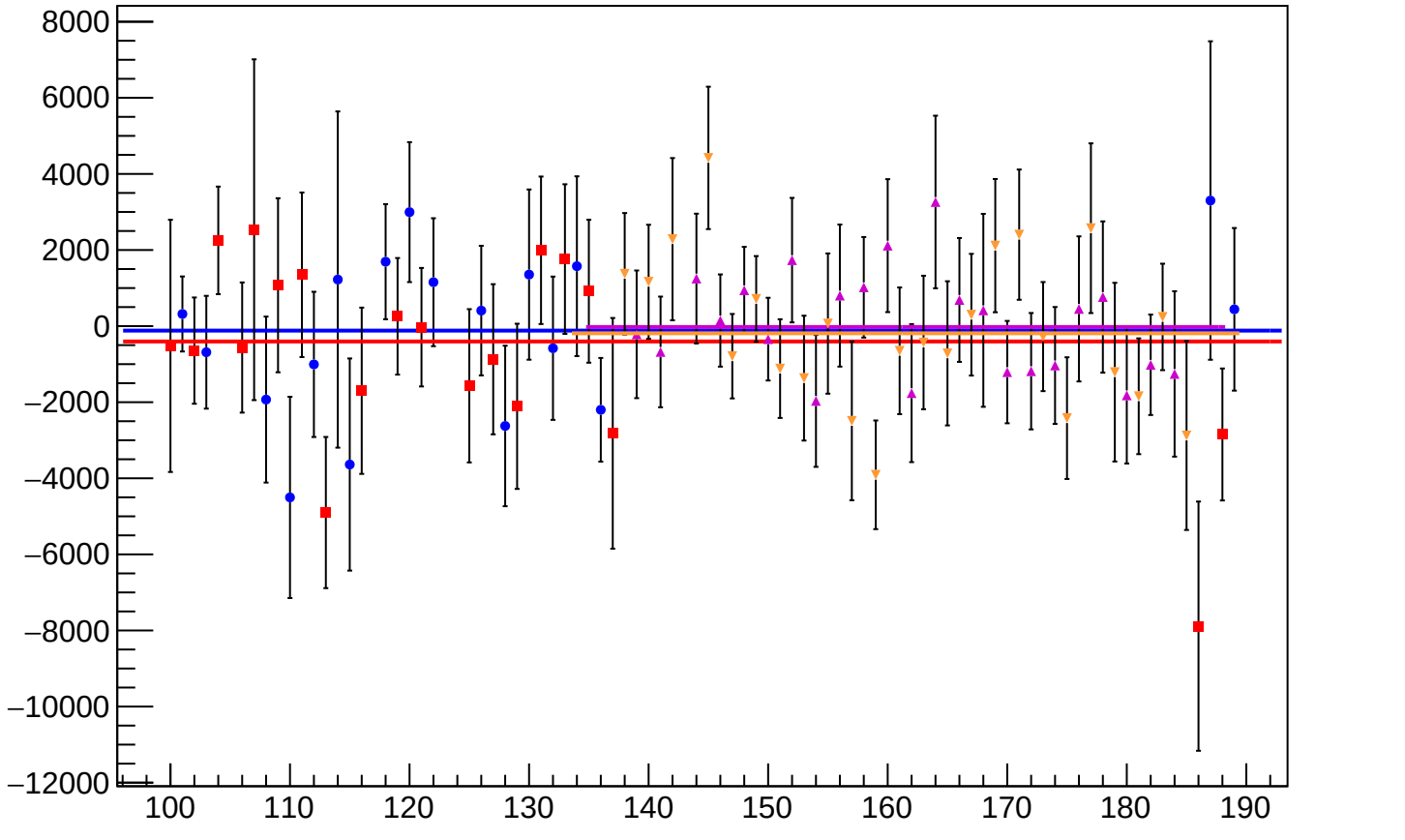
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 786.981+/-0.136 χ^2/NDF: 29692.4/37

In: 780.010+/-0.108 χ^2/NDF:16762.4/40

Out: 783.041+/-0.106 χ^2/NDF:22409.6/43

All: 781.548+/-0.075 χ^2/NDF: 39575.0/84



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

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

Right Out: -403.685+/-436.020 χ^2/NDF: 22.9/19

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

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

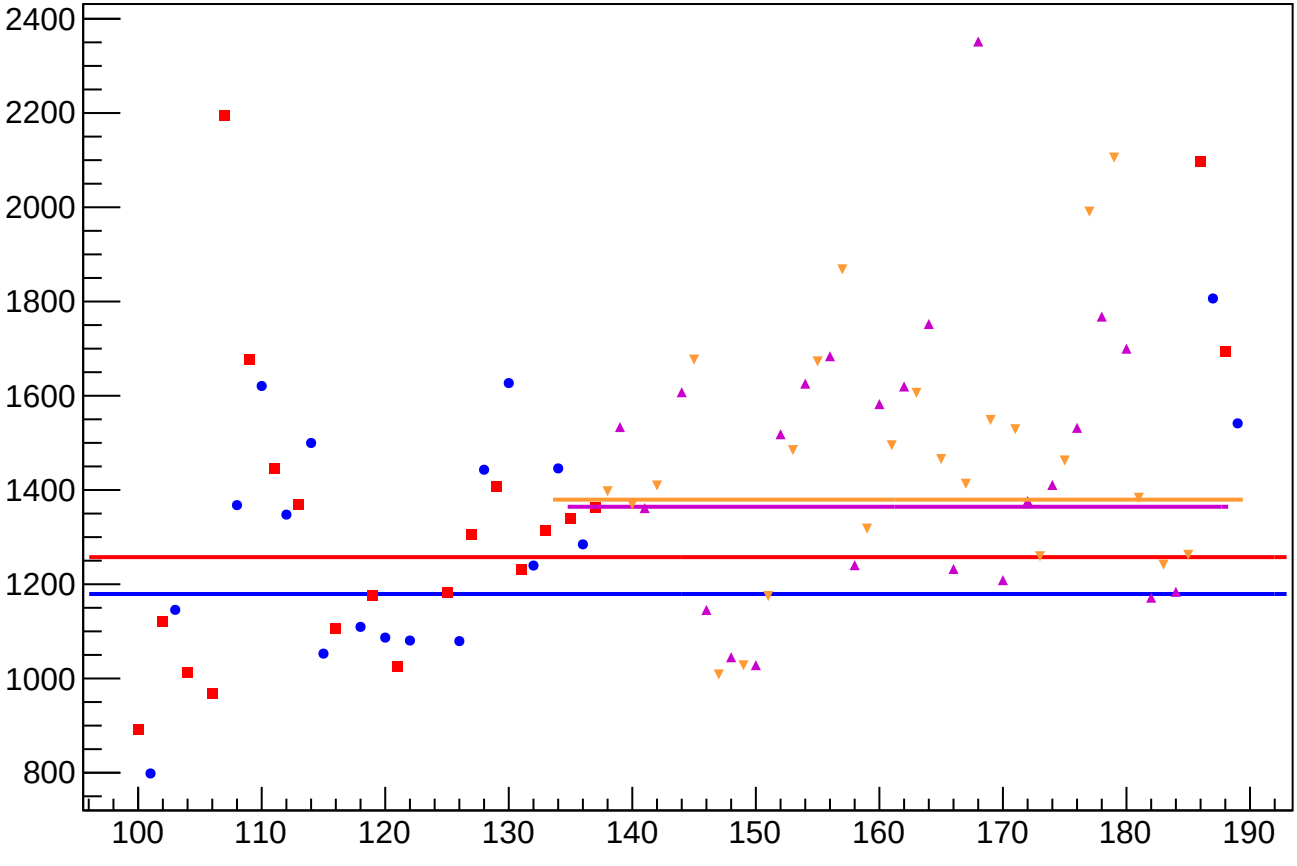
Right: -258.768+/-305.948 χ^2/NDF: 39.2/37

In: -58.263+/-259.554 χ^2/NDF:29.6/40

Out: -266.490+/-261.949 χ^2/NDF:52.6/43

All: -161.420+/-184.373 χ^2/NDF: 82.6/84

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

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

Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

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

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

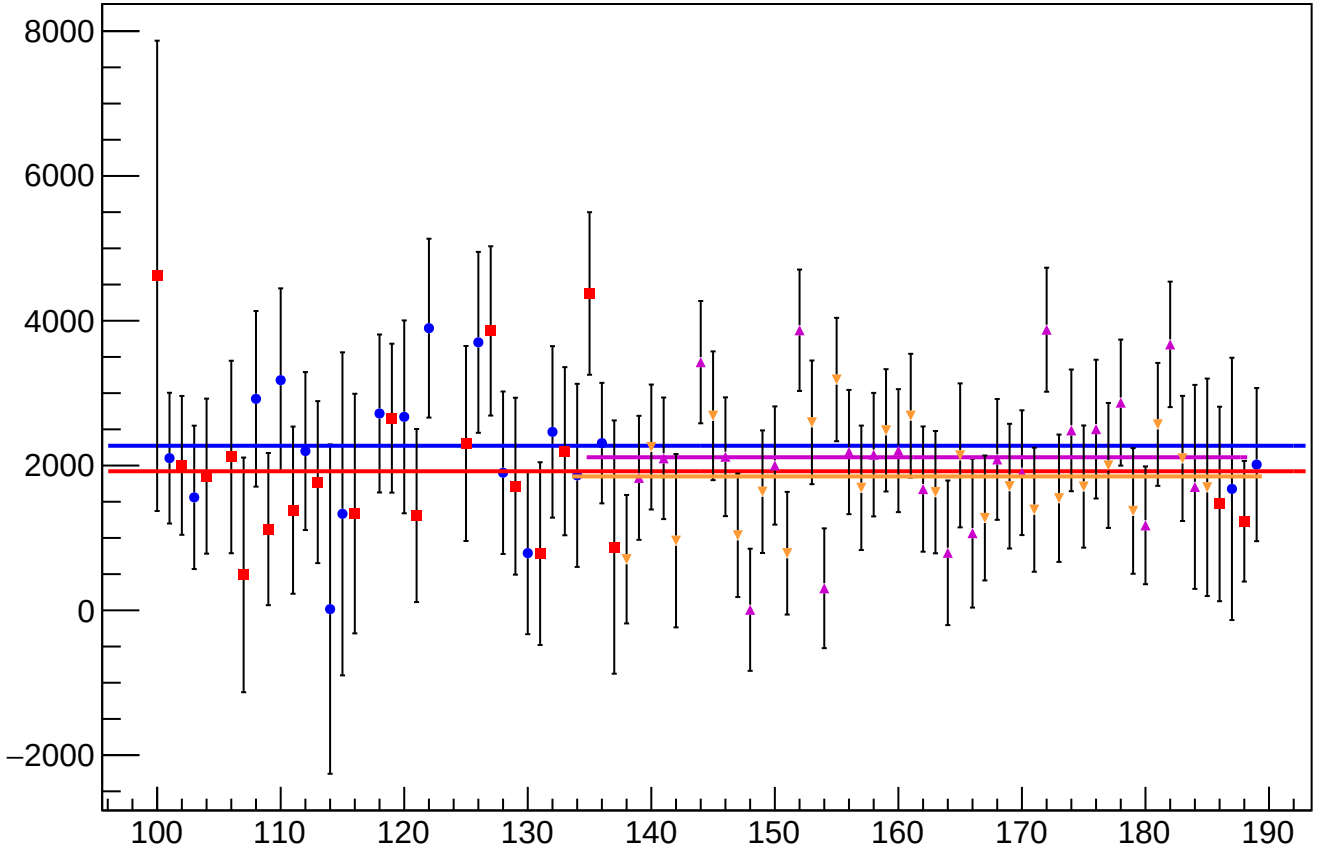
Right: 1217.821+/-0.216 χ^2/NDF: 1386410.0/37

In: 1296.783+/-0.184 χ^2/NDF:2224751.5/40

Out: 1335.501+/-0.185 χ^2/NDF:1935685.0/43

All: 1315.964+/-0.130 χ^2/NDF: 4182484.3/84

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2273.209+/-276.774 χ^2/NDF: 8.0/17

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

Right Out: 1921.048+/-268.201 χ^2/NDF: 12.9/19

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

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

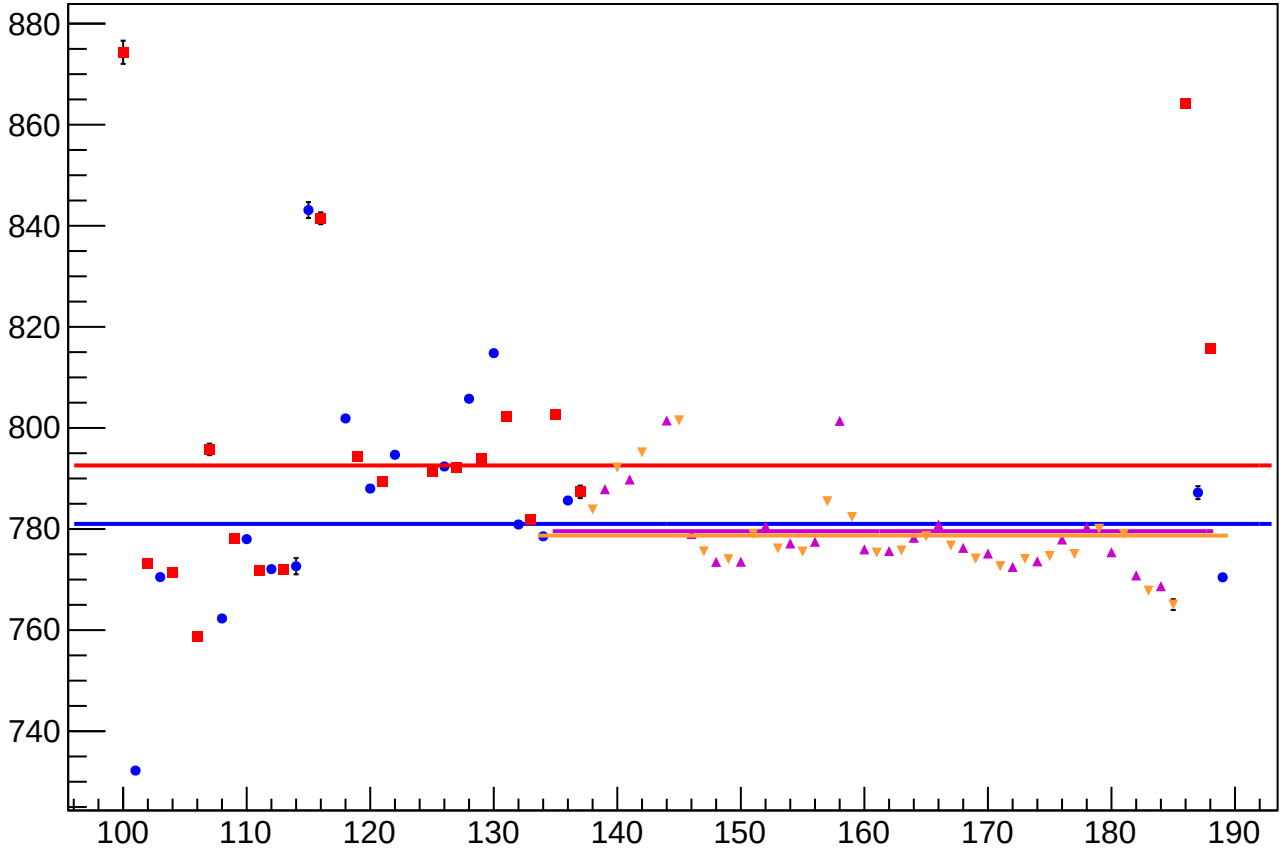
Right: 2091.590+/-192.606 χ^2/NDF: 21.7/37

In: 2162.380+/-152.084 χ^2/NDF:39.3/40

Out: 1871.908+/-149.882 χ^2/NDF:25.8/43

All: 2015.026+/-106.753 χ^2/NDF: 66.9/84

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

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

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

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

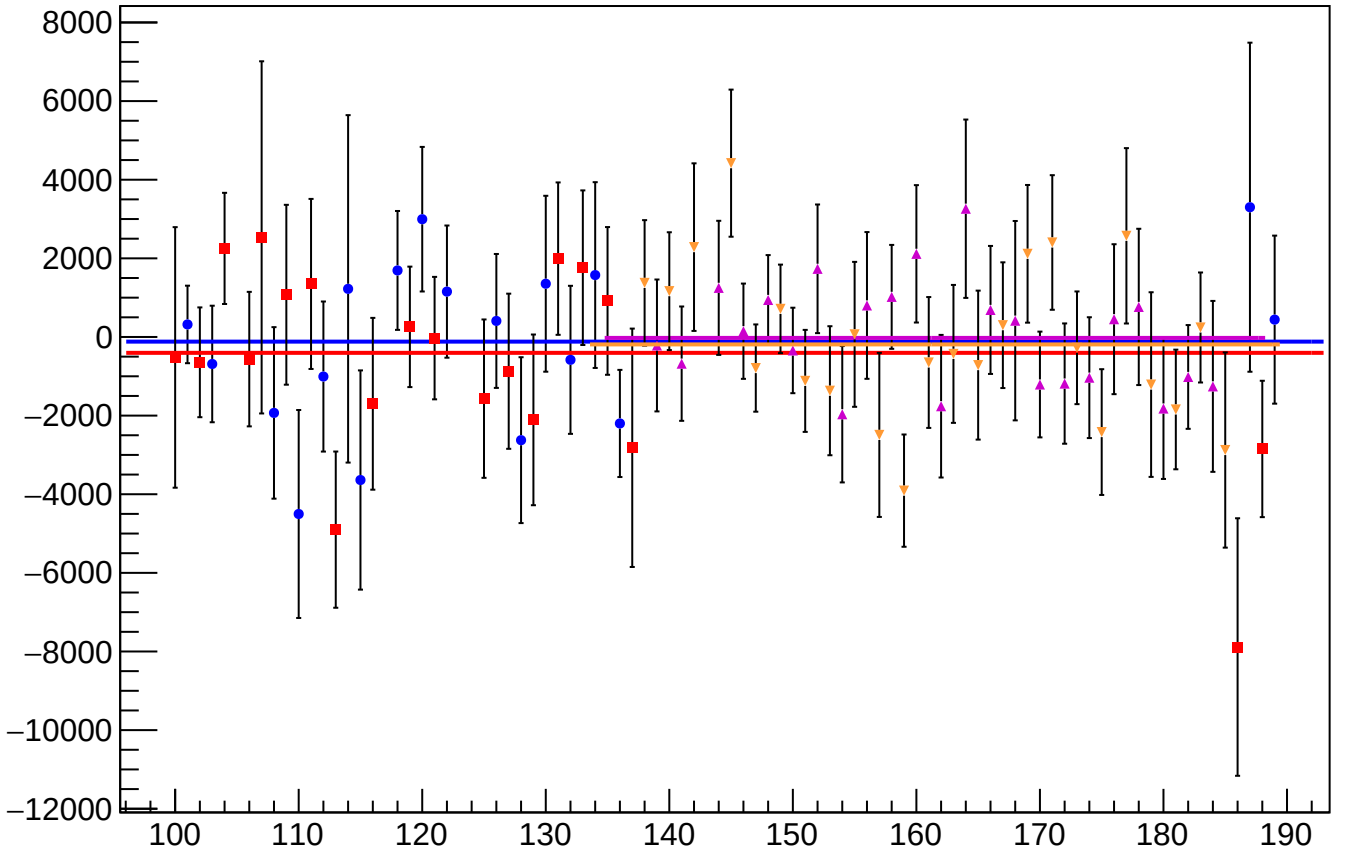
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 786.981+/-0.136 χ^2/NDF: 29692.4/37

In: 780.010+/-0.108 χ^2/NDF:16762.4/40

Out: 783.041+/-0.106 χ^2/NDF:22409.6/43

All: 781.548+/-0.075 χ^2/NDF: 39575.0/84



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

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

Right Out: -403.685+/-436.020 χ^2/NDF: 22.9/19

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

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

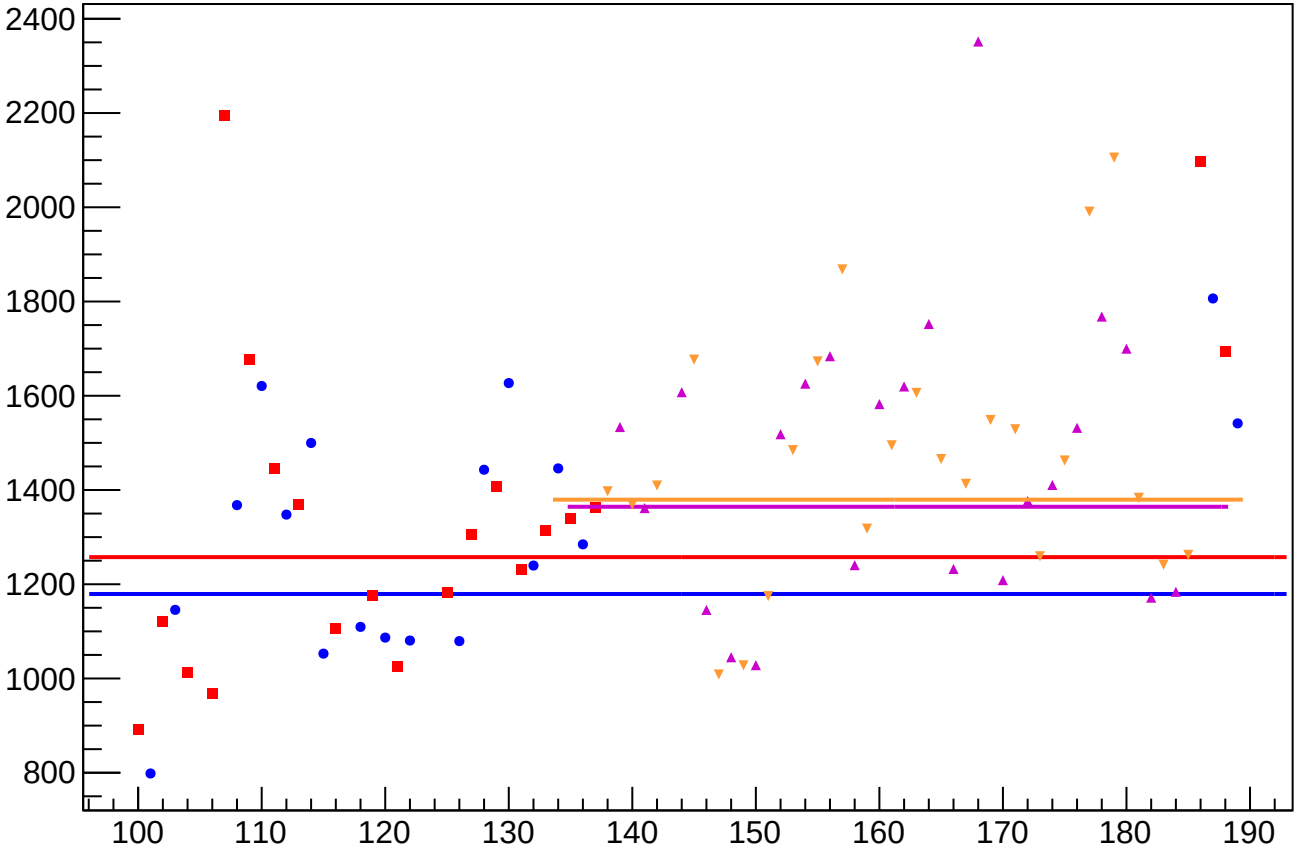
Right: -258.768+/-305.948 χ^2/NDF: 39.2/37

In: -58.263+/-259.554 χ^2/NDF:29.6/40

Out: -266.490+/-261.949 χ^2/NDF:52.6/43

All: -161.420+/-184.373 χ^2/NDF: 82.6/84

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

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

Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

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

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

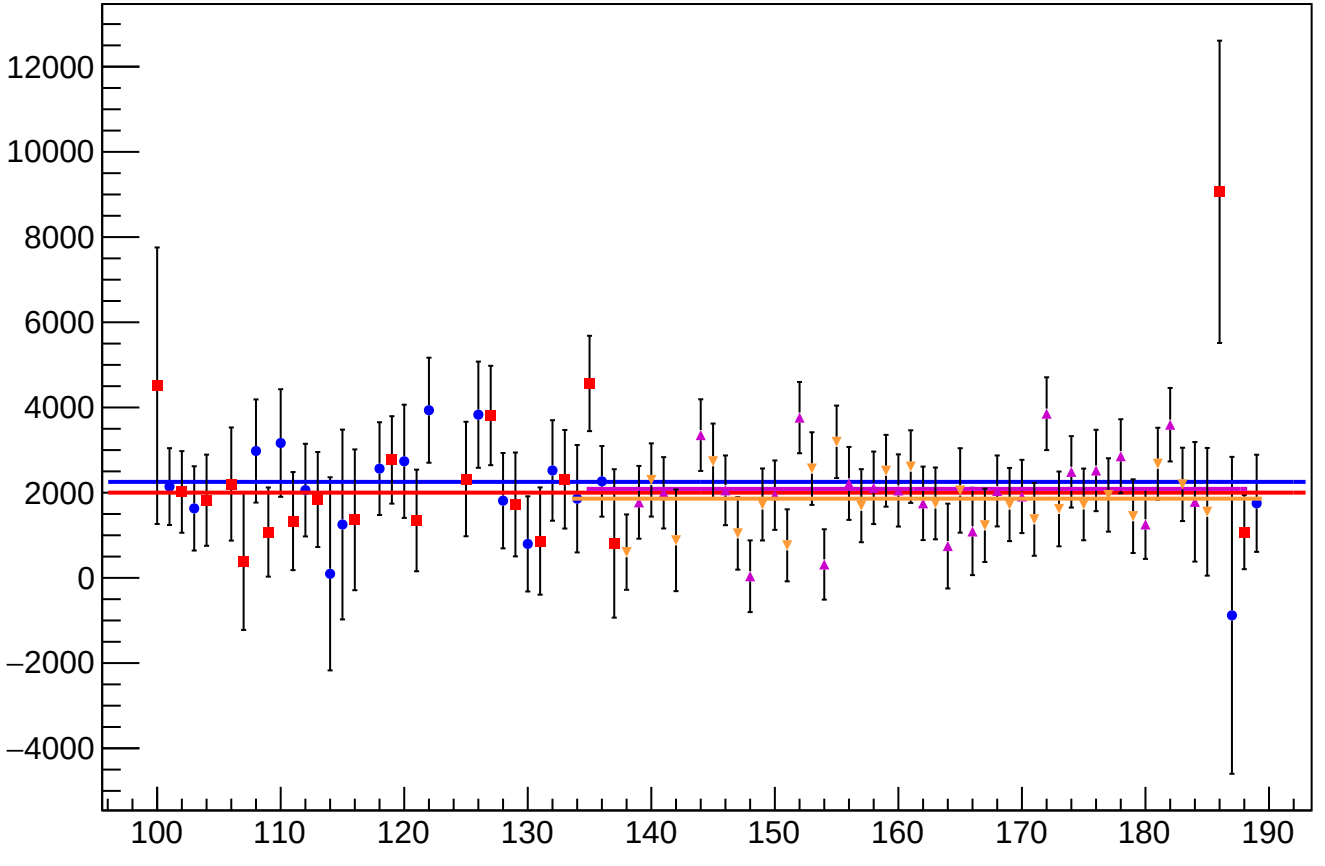
Right: 1217.821+/-0.216 χ^2/NDF: 1386410.0/37

In: 1296.783+/-0.184 χ^2/NDF:2224751.5/40

Out: 1335.501+/-0.185 χ^2/NDF:1935685.0/43

All: 1315.964+/-0.130 χ^2/NDF: 4182484.3/84

overload_cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2253.415+/-279.988 χ^2/NDF: 9.0/17

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

Right Out: 2001.009+/-273.599 χ^2/NDF: 18.0/19

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

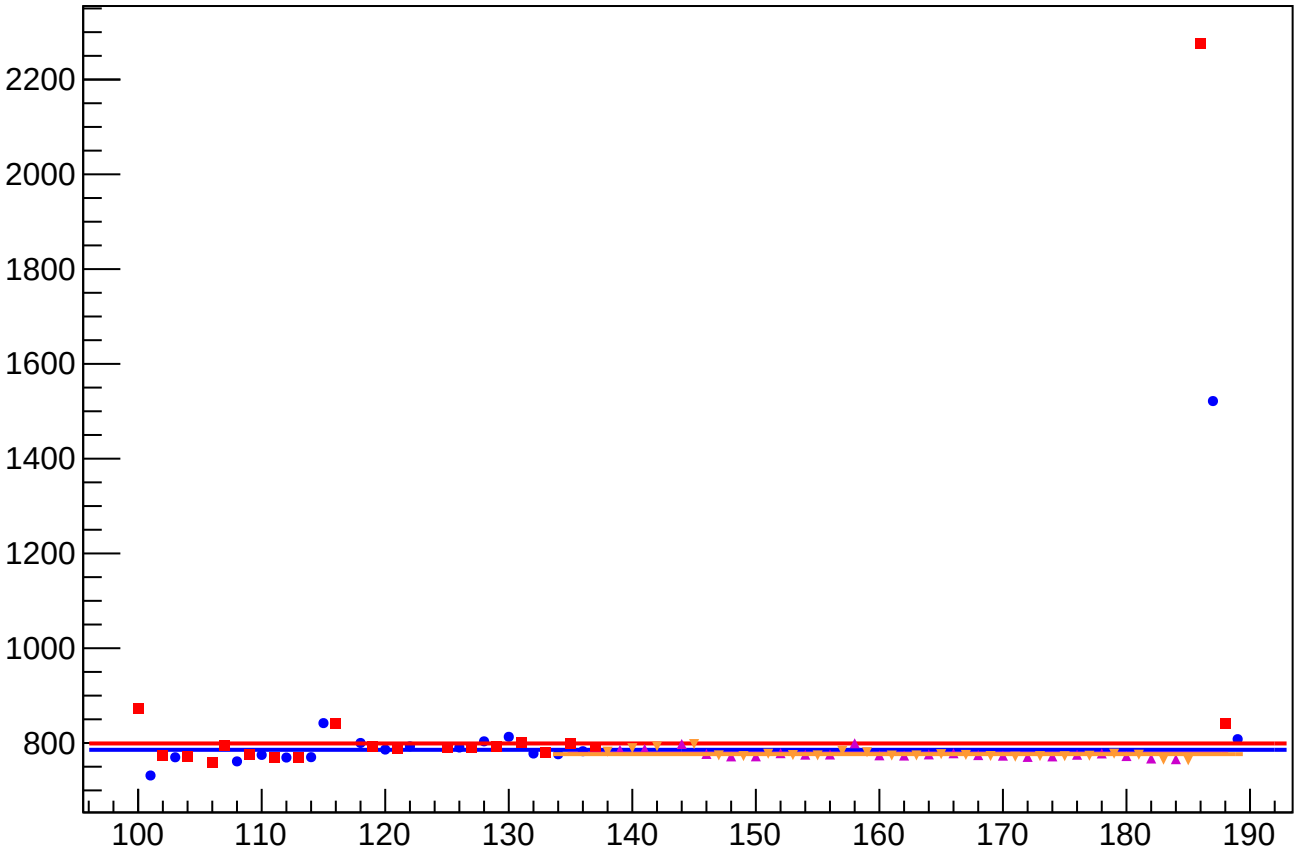
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2124.299+/-195.684 χ^2/NDF: 27.4/37

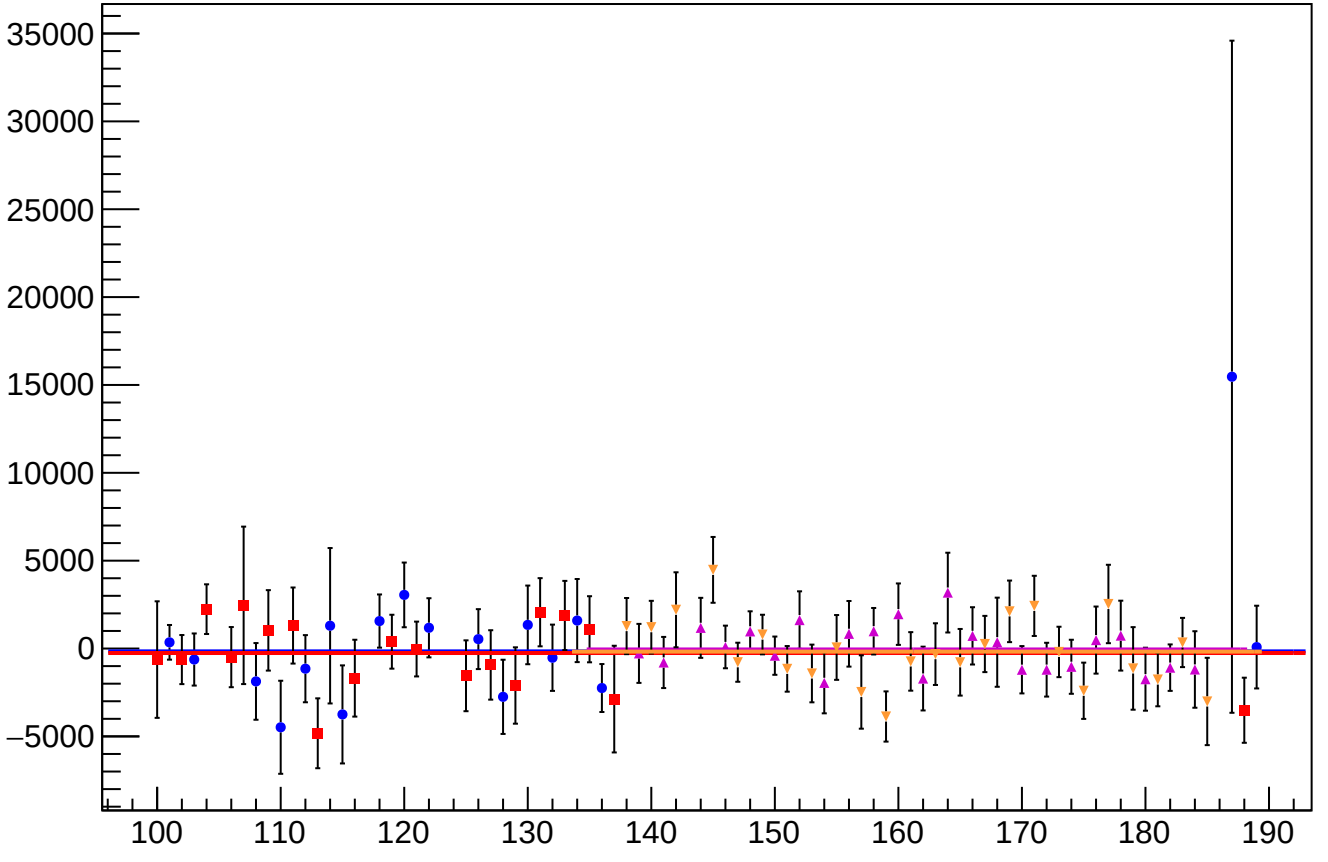
In: 2138.003+/-152.313 χ^2/NDF:38.9/40

Out: 1902.343+/-150.509 χ^2/NDF:31.7/43

All: 2018.769+/-107.058 χ^2/NDF: 71.8/84


overload_cor_asym_us_avg_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
180
190
Right In: 785.619+/-0.198 χ²/NDF: 91960.6/17
Left Out: 776.523+/-0.127 χ²/NDF:3137.1/23
Right Out: 799.056+/-0.193 χ²/NDF: 363311.5/19
Left In: 777.413+/-0.128 χ²/NDF:4062.1/22
Left: 776.965+/-0.090 χ²/NDF: 7223.5/46
Right: 792.492+/-0.138 χ²/NDF: 457628.4/37
In: 779.841+/-0.108 χ²/NDF:97232.3/40
Out: 783.342+/-0.106 χ²/NDF:375909.0/43
All: 781.612+/-0.076 χ²/NDF: 473675.8/84

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -161.560+/-433.555 χ^2/NDF: 16.4/17

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

Right Out: -254.747+/-442.063 χ^2/NDF: 18.5/18

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

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

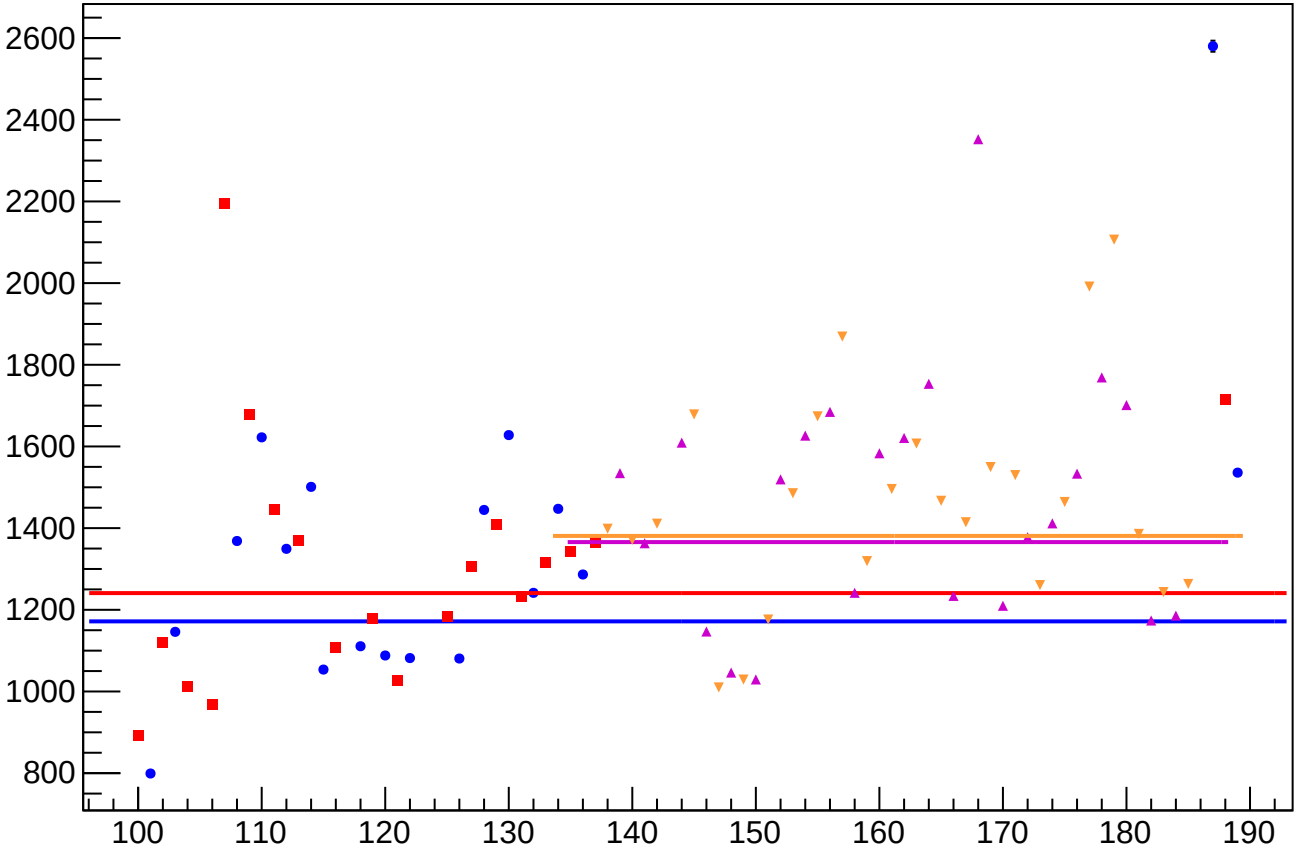
Right: -207.248+/-309.534 χ^2/NDF: 34.9/36

In: -92.114+/-260.623 χ^2/NDF:29.4/40

Out: -203.270+/-263.406 χ^2/NDF:48.2/42

All: -147.102+/-185.264 χ^2/NDF: 77.6/83

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1171.677+/-0.307 χ^2/NDF: 629750.3/17

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

Right Out: 1240.934+/-0.313 χ^2/NDF: 536428.0/18

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

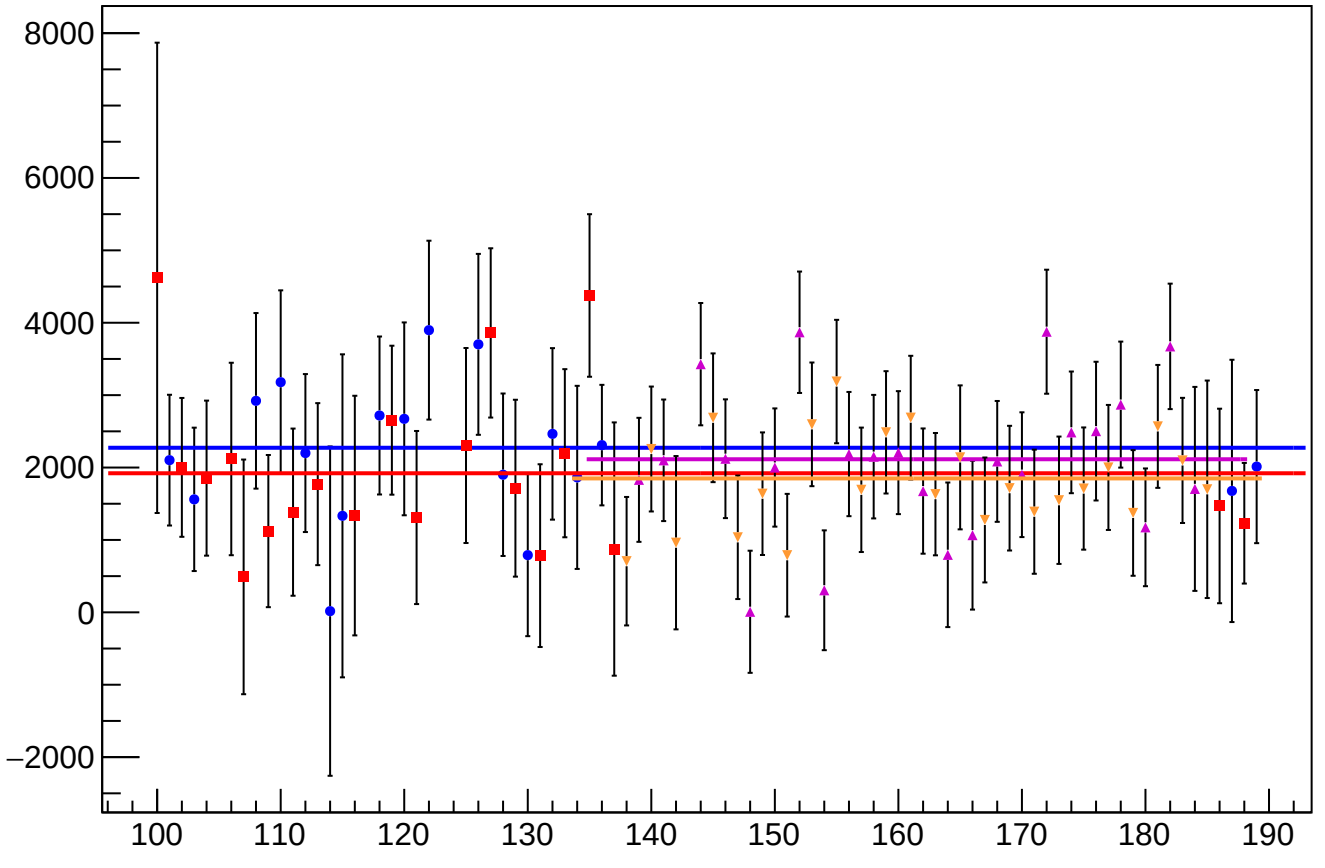
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1205.632+/-0.219 χ^2/NDF: 1191199.5/36

In: 1295.660+/-0.184 χ^2/NDF:2194708.9/40

Out: 1331.239+/-0.186 χ^2/NDF:1821273.8/42

All: 1313.260+/-0.131 χ^2/NDF: 4034421.7/83



Right In: 2273.209+/-276.774 χ^2/NDF: 8.0/17

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

Right Out: 1921.048+/-268.201 χ^2/NDF: 12.9/19

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

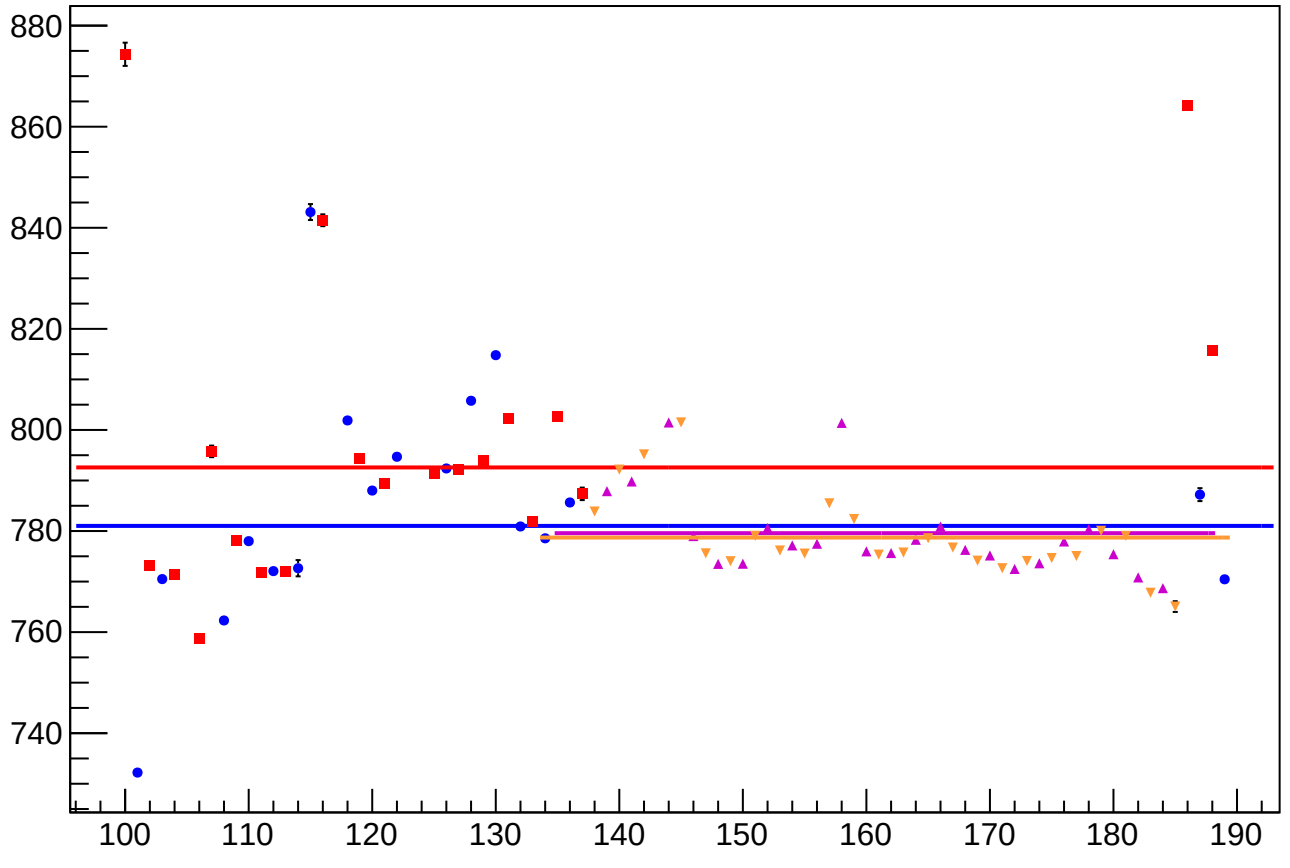
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2091.590+/-192.606 χ^2/NDF: 21.7/37

In: 2162.380+/-152.084 χ^2/NDF:39.3/40

Out: 1871.908+/-149.882 χ^2/NDF:25.8/43

All: 2015.026+/-106.753 χ^2/NDF: 66.9/84



Right In: 781.016+/-0.196 χ^2/NDF: 12551.6/17

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

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

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

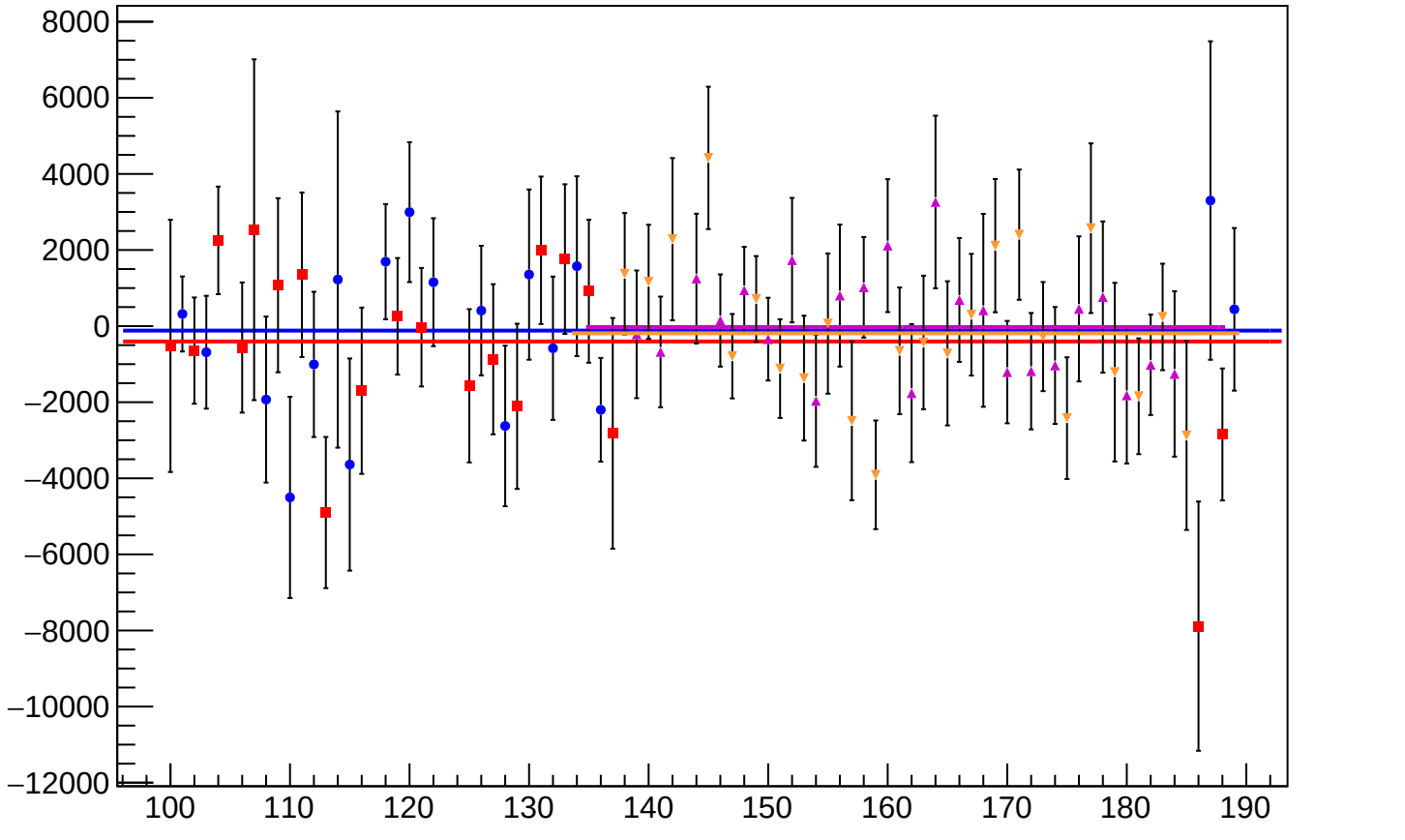
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 786.981+/-0.136 χ^2/NDF: 29692.4/37

In: 780.010+/-0.108 χ^2/NDF:16762.4/40

Out: 783.041+/-0.106 χ^2/NDF:22409.6/43

All: 781.548+/-0.075 χ^2/NDF: 39575.0/84



Right In: -118.213+/-429.407 χ^2/NDF: 16.1/17

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

Right Out: -403.685+/-436.020 χ^2/NDF: 22.9/19

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

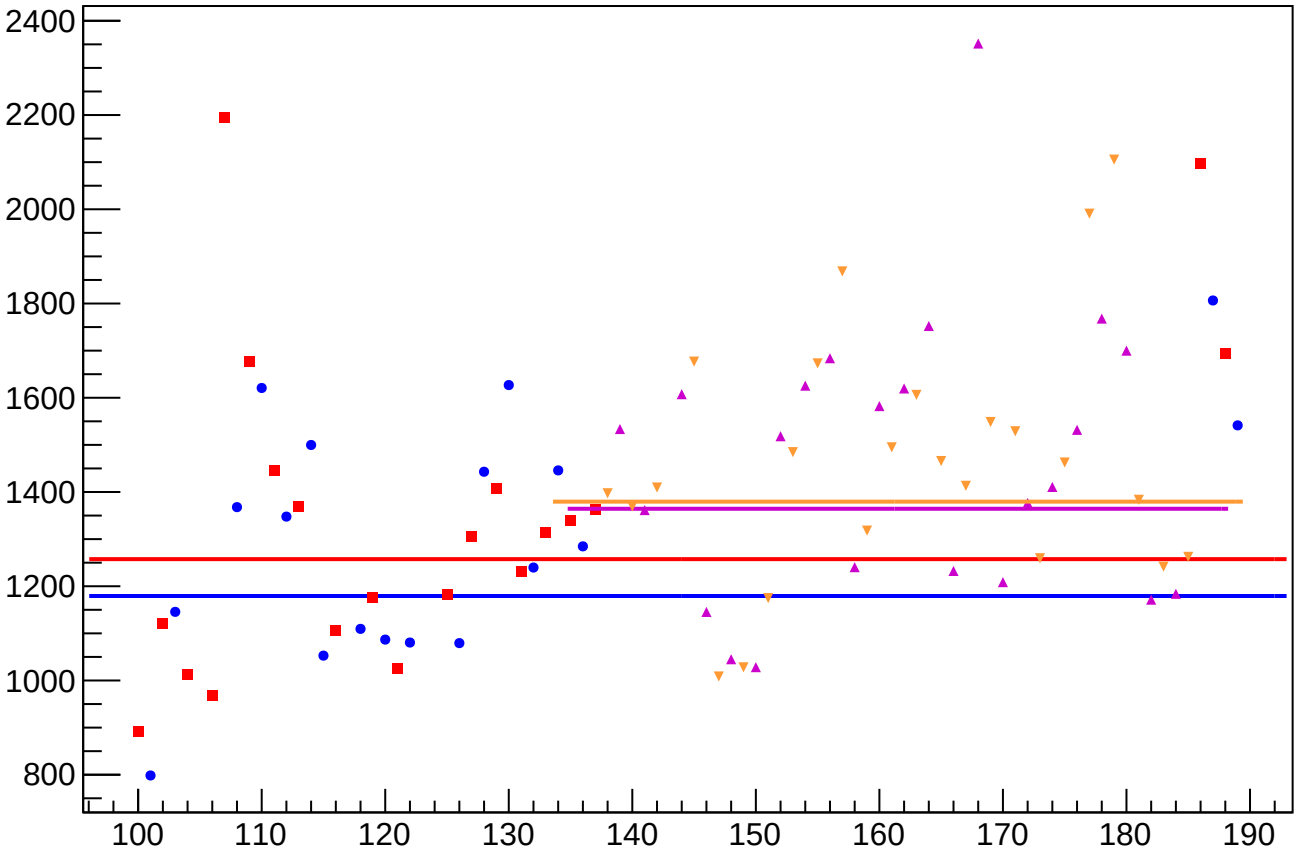
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -258.768+/-305.948 χ^2/NDF: 39.2/37

In: -58.263+/-259.554 χ^2/NDF:29.6/40

Out: -266.490+/-261.949 χ^2/NDF:52.6/43

All: -161.420+/-184.373 χ^2/NDF: 82.6/84



Right In: 1179.307+/-0.304 χ^2/NDF: 676590.7/17

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

Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

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

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

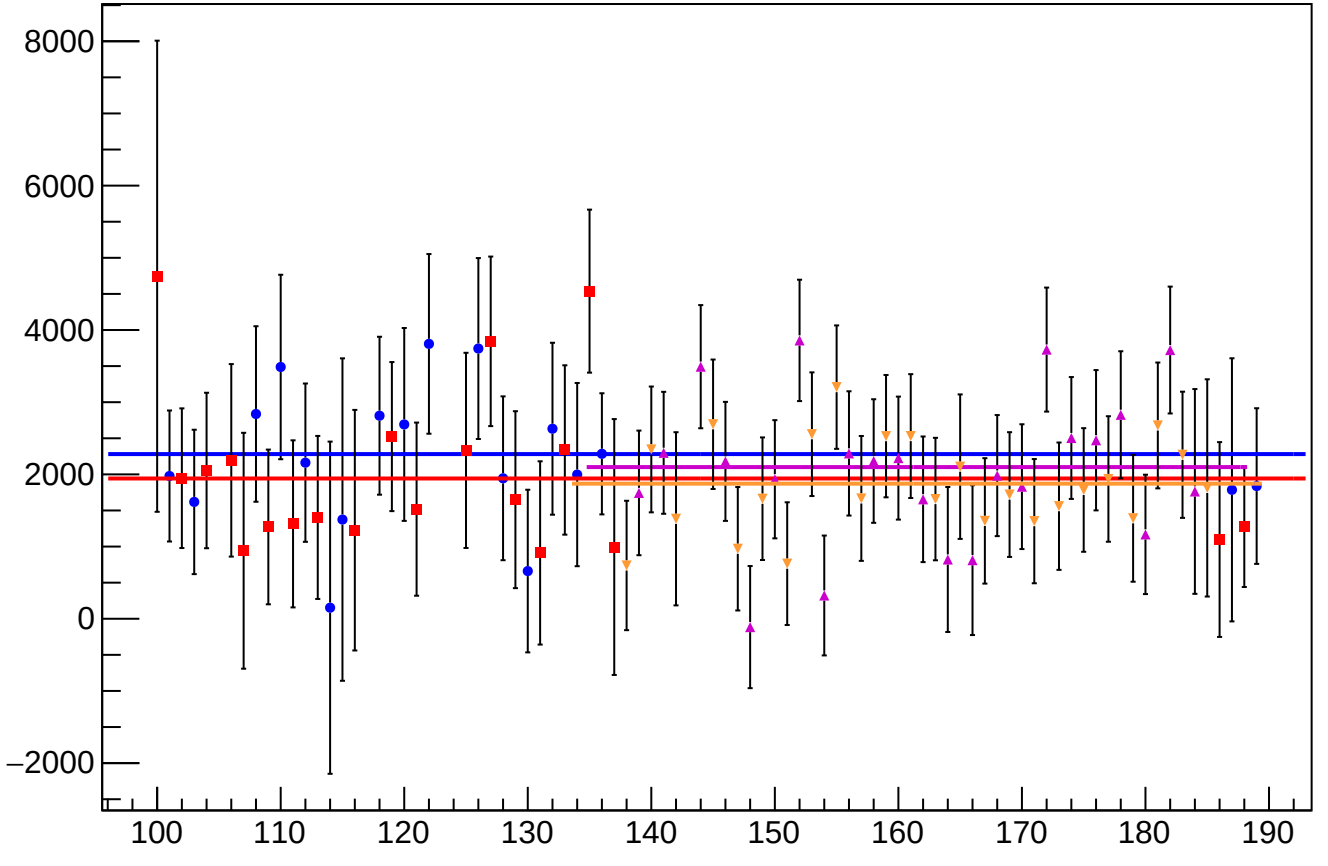
Right: 1217.821+/-0.216 χ^2/NDF: 1386410.0/37

In: 1296.783+/-0.184 χ^2/NDF:2224751.5/40

Out: 1335.501+/-0.185 χ^2/NDF:1935685.0/43

All: 1315.964+/-0.130 χ^2/NDF: 4182484.3/84

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2281.165+/-278.687 χ^2/NDF: 8.4/17

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

Right Out: 1943.055+/-269.915 χ^2/NDF: 12.8/19

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

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

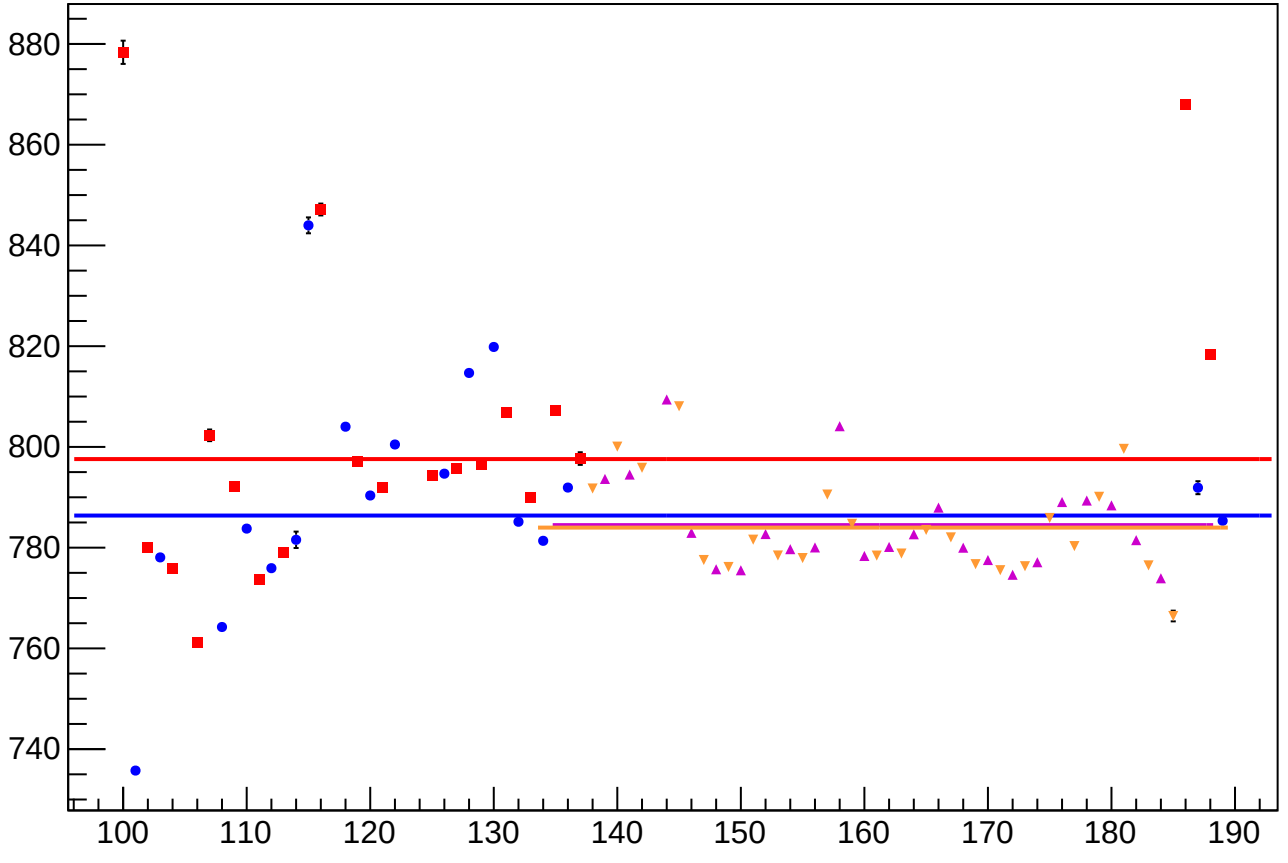
Right: 2106.705+/-193.886 χ^2/NDF: 22.0/37

In: 2155.387+/-153.073 χ^2/NDF:40.5/40

Out: 1893.832+/-150.887 χ^2/NDF:25.4/43

All: 2022.728+/-107.458 χ^2/NDF: 67.3/84

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 786.375+/-0.197 χ^2/NDF: 12591.5/17

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

Right Out: 797.586+/-0.191 χ^2/NDF: 14506.9/19

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

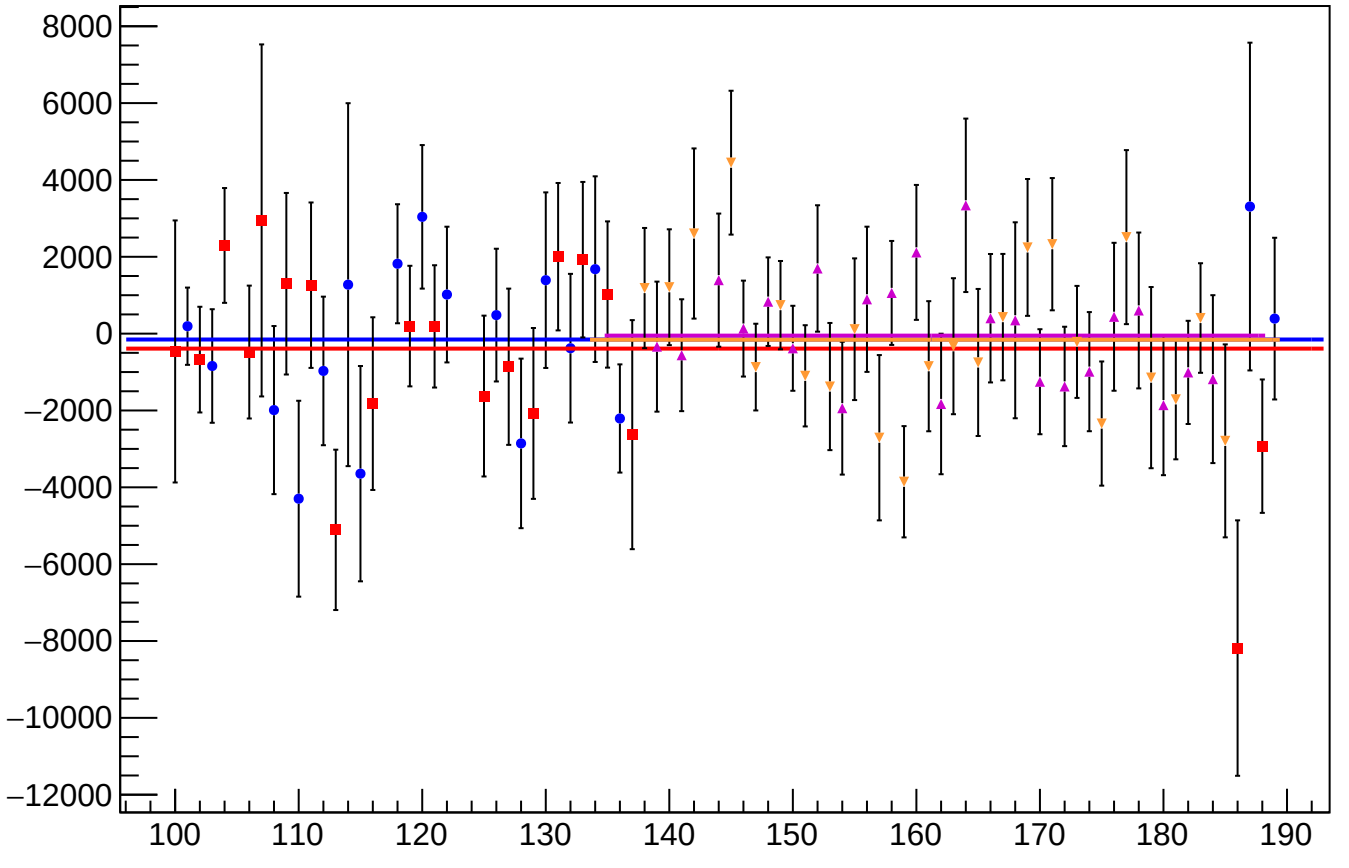
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 792.160+/-0.137 χ^2/NDF: 28768.5/37

In: 785.046+/-0.108 χ^2/NDF:17584.3/40

Out: 788.233+/-0.107 χ^2/NDF:22928.2/43

All: 786.663+/-0.076 χ^2/NDF: 40952.1/84



Right In: -152.932+/-437.301 χ^2/NDF: 16.0/17

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

Right Out: -389.958+/-444.226 χ^2/NDF: 23.3/19

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

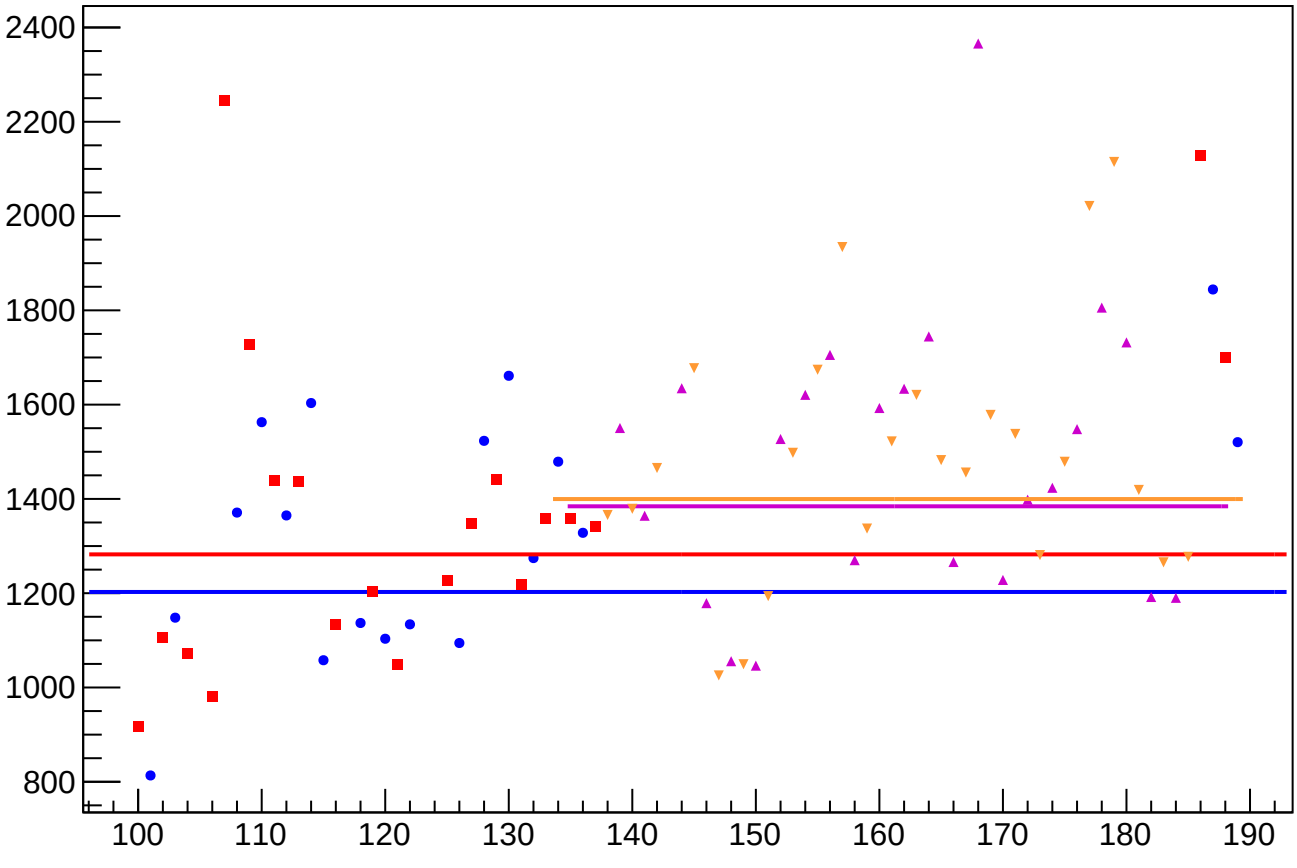
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: -269.583+/-311.638 χ^2/NDF: 39.5/37

In: -88.636+/-263.518 χ^2/NDF:29.5/40

Out: -242.008+/-266.034 χ^2/NDF:52.6/43

All: -164.593+/-187.219 χ^2/NDF: 82.2/84



Right In: 1202.627+/-0.309 χ^2/NDF: 666603.9/17

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

Right Out: 1282.364+/-0.314 χ^2/NDF: 661693.0/19

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

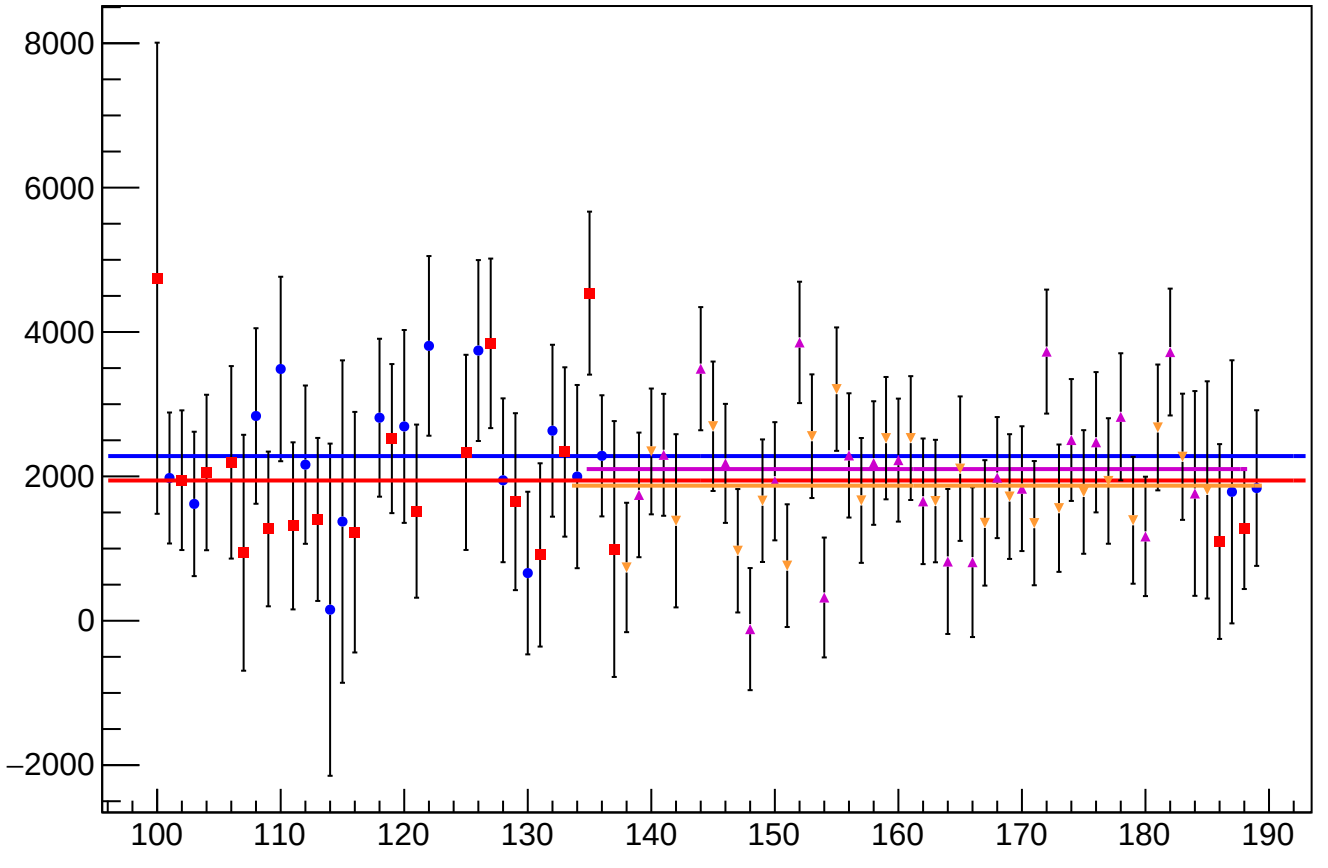
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1241.869+/-0.220 χ^2/NDF: 1361021.9/37

In: 1318.351+/-0.186 χ^2/NDF:2156459.5/40

Out: 1357.629+/-0.188 χ^2/NDF:1887561.2/43

All: 1337.803+/-0.132 χ^2/NDF: 4066026.4/84



Right In: 2281.164+/-278.687 χ^2/NDF: 8.4/17

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

Right Out: 1943.053+/-269.915 χ^2/NDF: 12.8/19

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

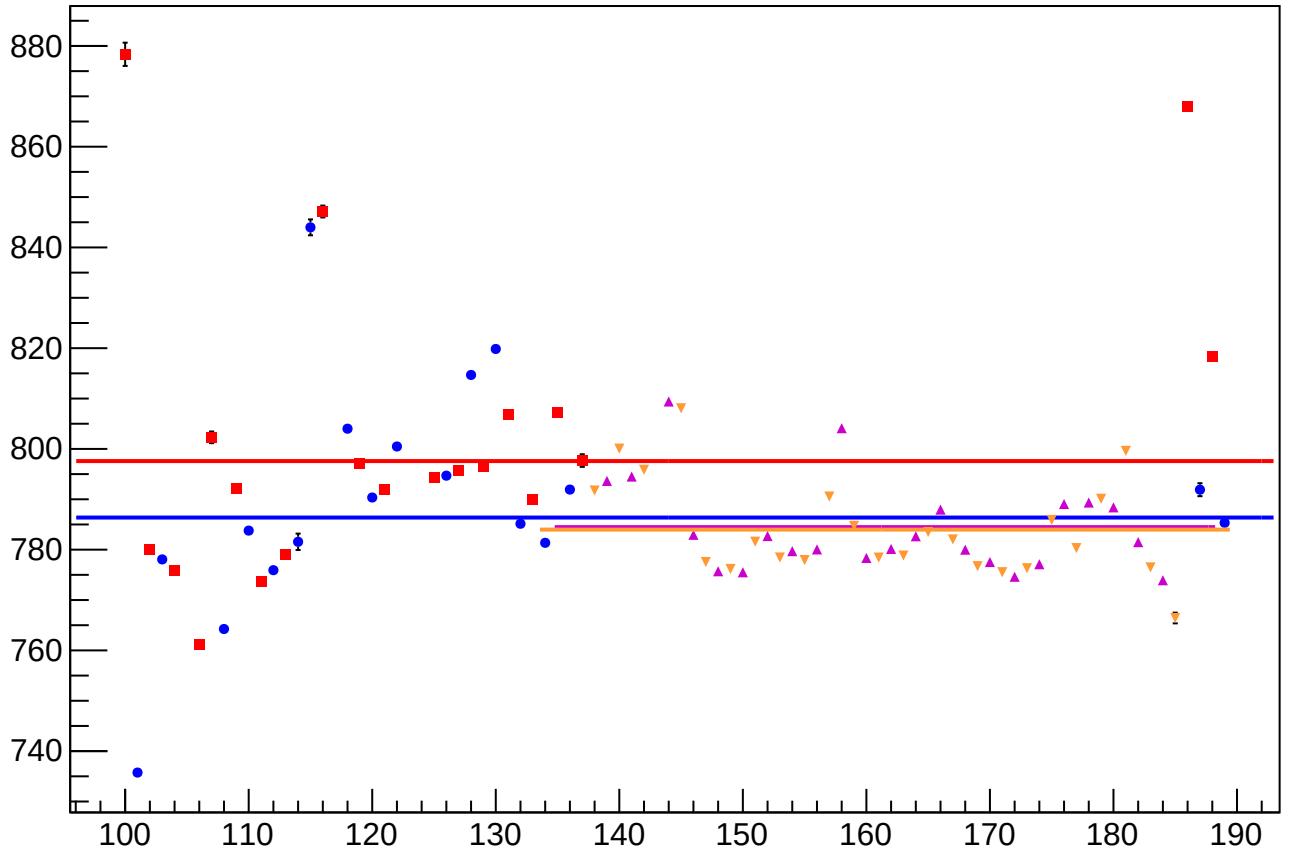
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2106.704+/-193.886 χ^2/NDF: 22.0/37

In: 2155.387+/-153.073 χ^2/NDF:40.5/40

Out: 1893.829+/-150.887 χ^2/NDF:25.4/43

All: 2022.727+/-107.458 χ^2/NDF: 67.3/84



Right In: 786.375+/-0.197 χ^2/NDF: 12591.4/17

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

Right Out: 797.586+/-0.191 χ^2/NDF: 14506.9/19

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

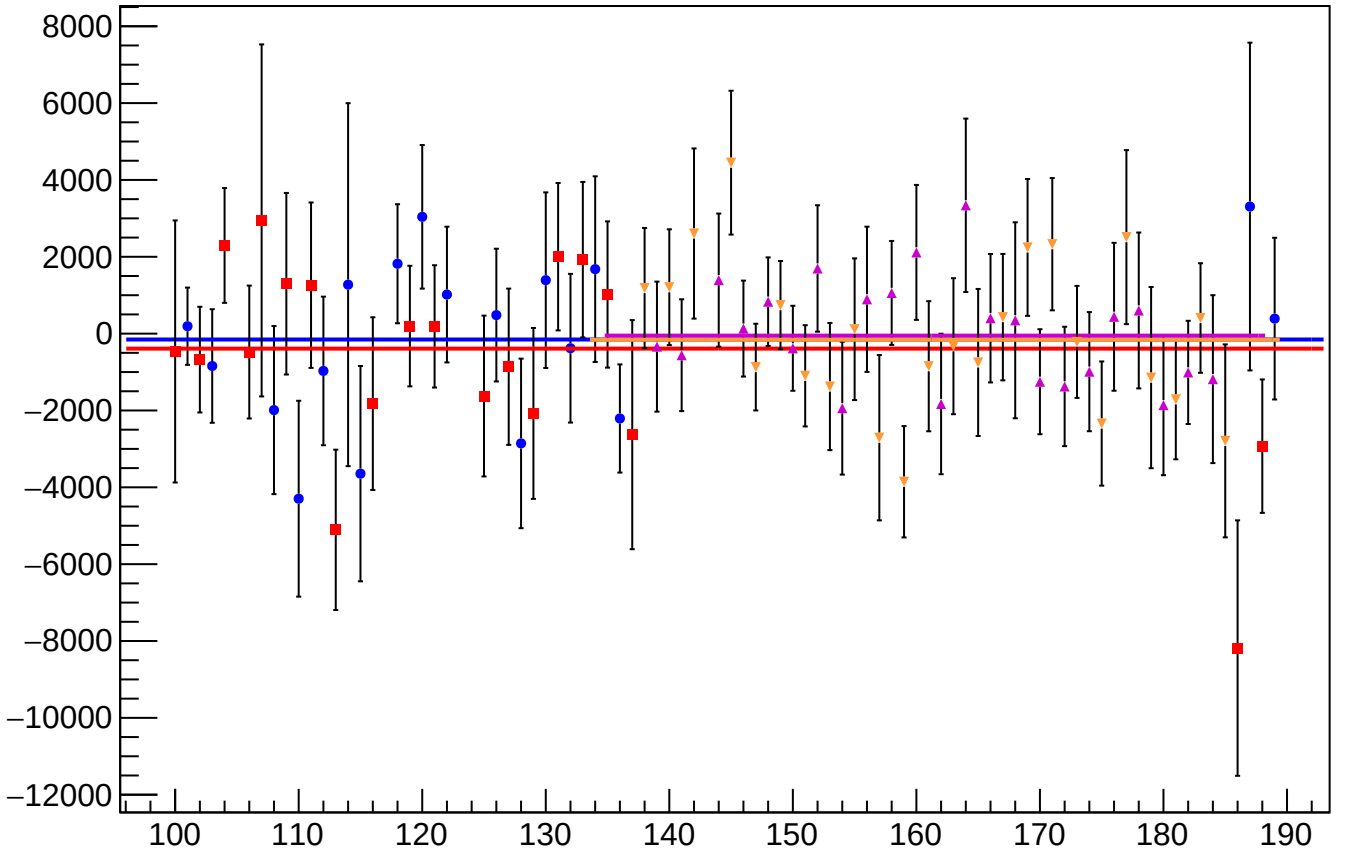
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 792.160+/-0.137 χ^2/NDF: 28768.5/37

In: 785.046+/-0.108 χ^2/NDF:17584.2/40

Out: 788.233+/-0.107 χ^2/NDF:22928.2/43

All: 786.663+/-0.076 χ^2/NDF: 40952.0/84



Right In: -152.931+/-437.300 χ^2/NDF: 16.0/17

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

Right Out: -389.956+/-444.225 χ^2/NDF: 23.3/19

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

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

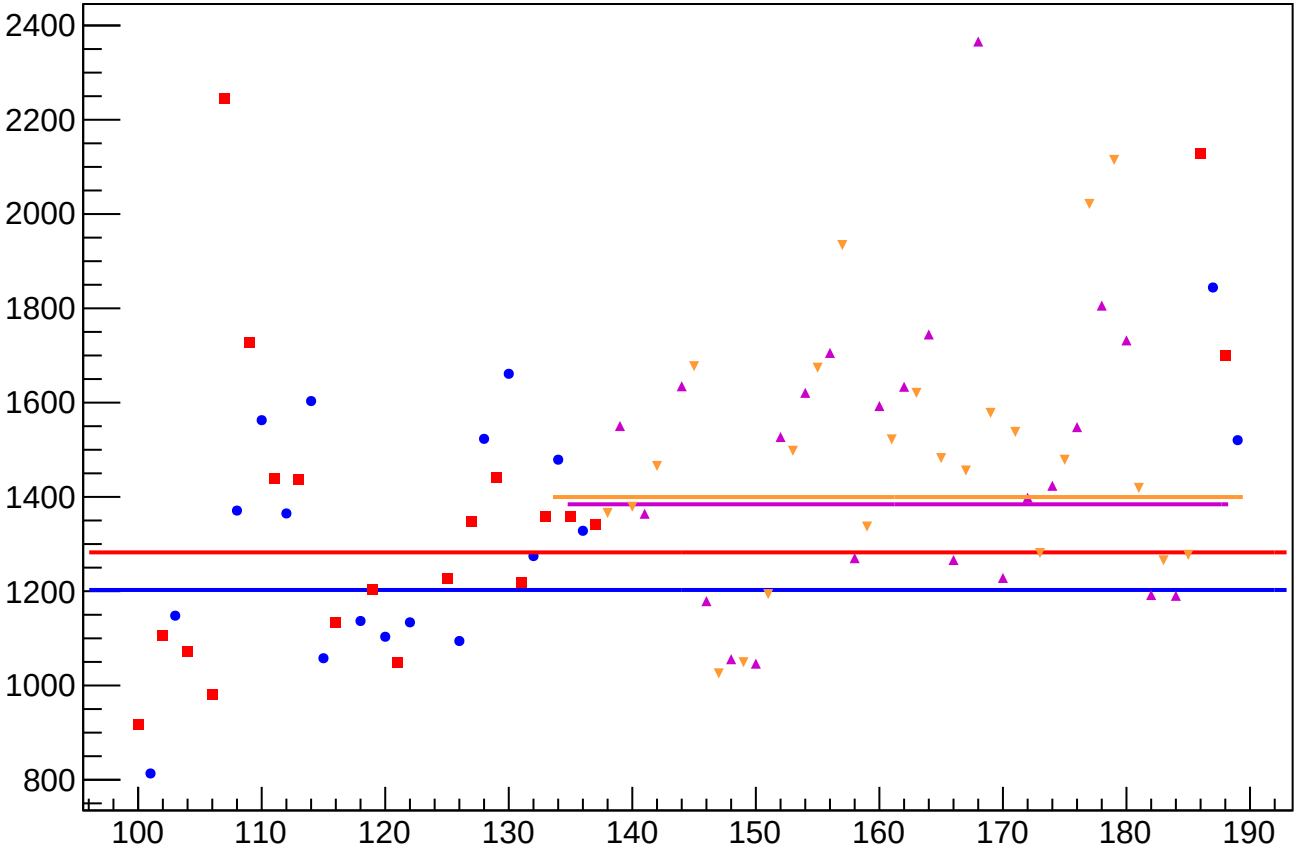
Right: -269.582+/-311.637 χ^2/NDF: 39.5/37

In: -88.635+/-263.518 χ^2/NDF:29.5/40

Out: -242.010+/-266.034 χ^2/NDF:52.6/43

All: -164.594+/-187.219 χ^2/NDF: 82.2/84

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1202.624+/-0.309 χ^2/NDF: 666603.6/17

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

Right Out: 1282.360+/-0.314 χ^2/NDF: 661695.7/19

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

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

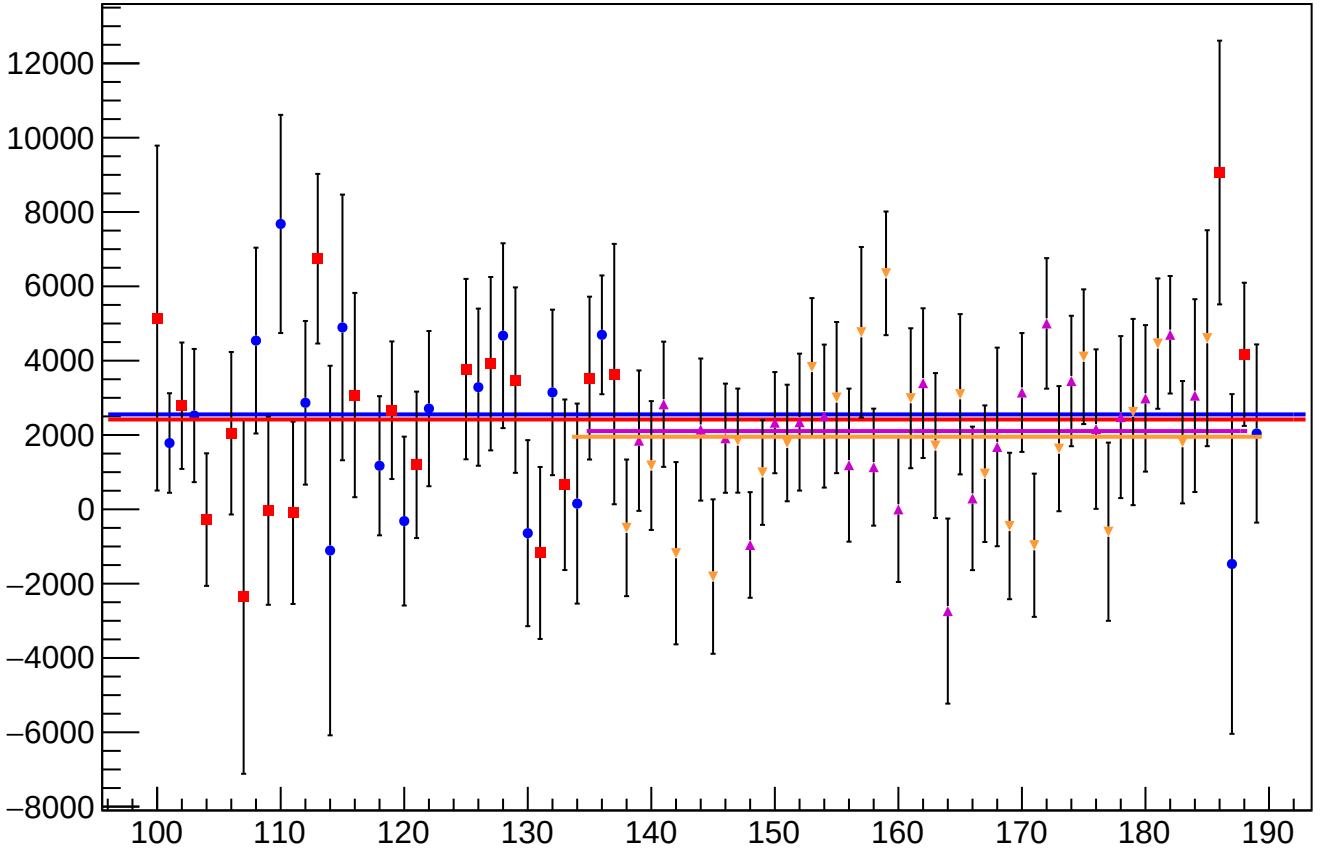
Right: 1241.866+/-0.220 χ^2/NDF: 1361024.1/37

In: 1318.351+/-0.186 χ^2/NDF:2156473.2/40

Out: 1357.629+/-0.188 χ^2/NDF:1887574.2/43

All: 1337.803+/-0.132 χ^2/NDF: 4066053.1/84

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2553.762+/-521.553 χ^2/NDF: 13.1/17

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

Right Out: 2417.163+/-520.908 χ^2/NDF: 18.4/19

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

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

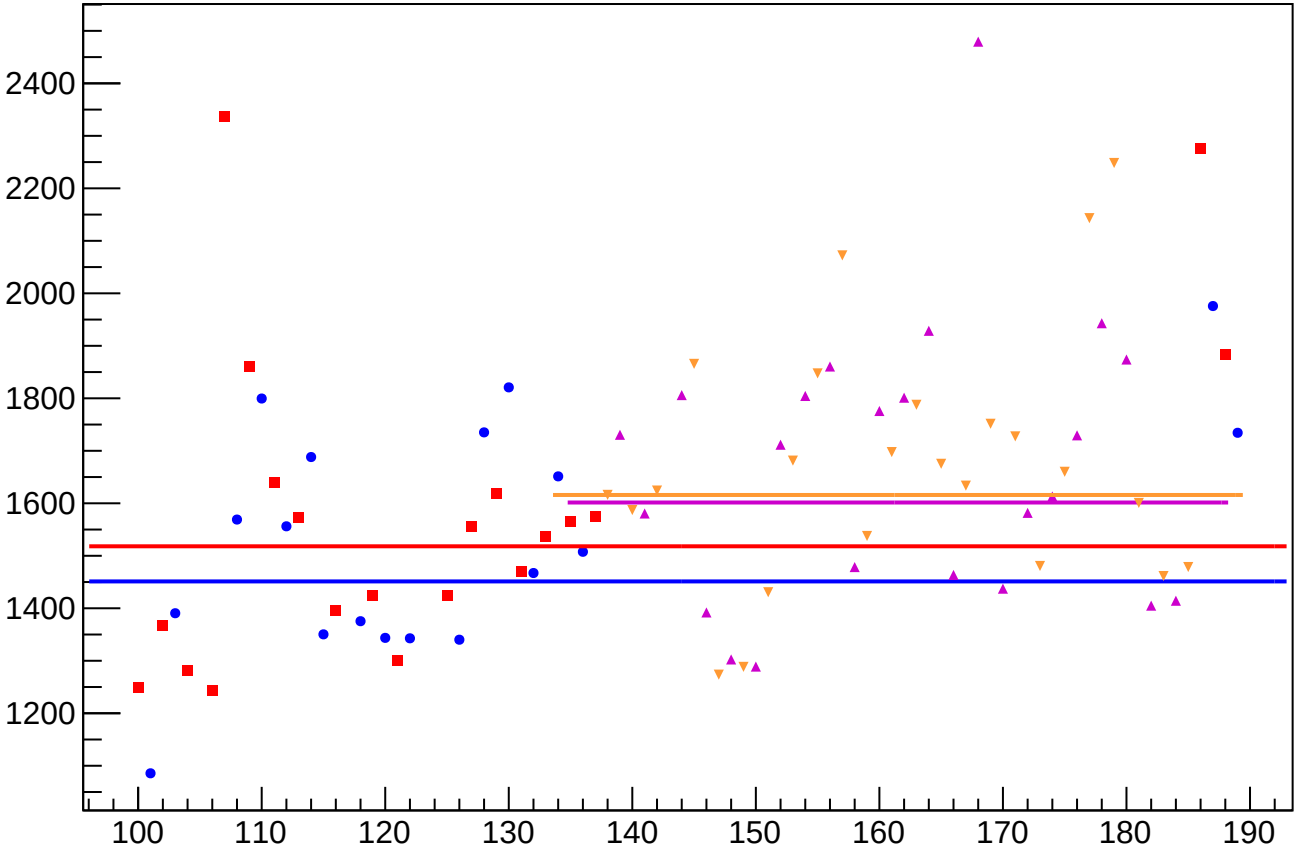
Right: 2485.378+/-368.566 χ^2/NDF: 31.5/37

In: 2260.379+/-306.625 χ^2/NDF:32.2/40

Out: 2113.978+/-307.136 χ^2/NDF:46.2/43

All: 2187.301+/-216.997 χ^2/NDF: 78.5/84

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1451.177+/-0.369 χ^2/NDF: 350817.9/17

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

Right Out: 1518.077+/-0.368 χ^2/NDF: 395982.0/19

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

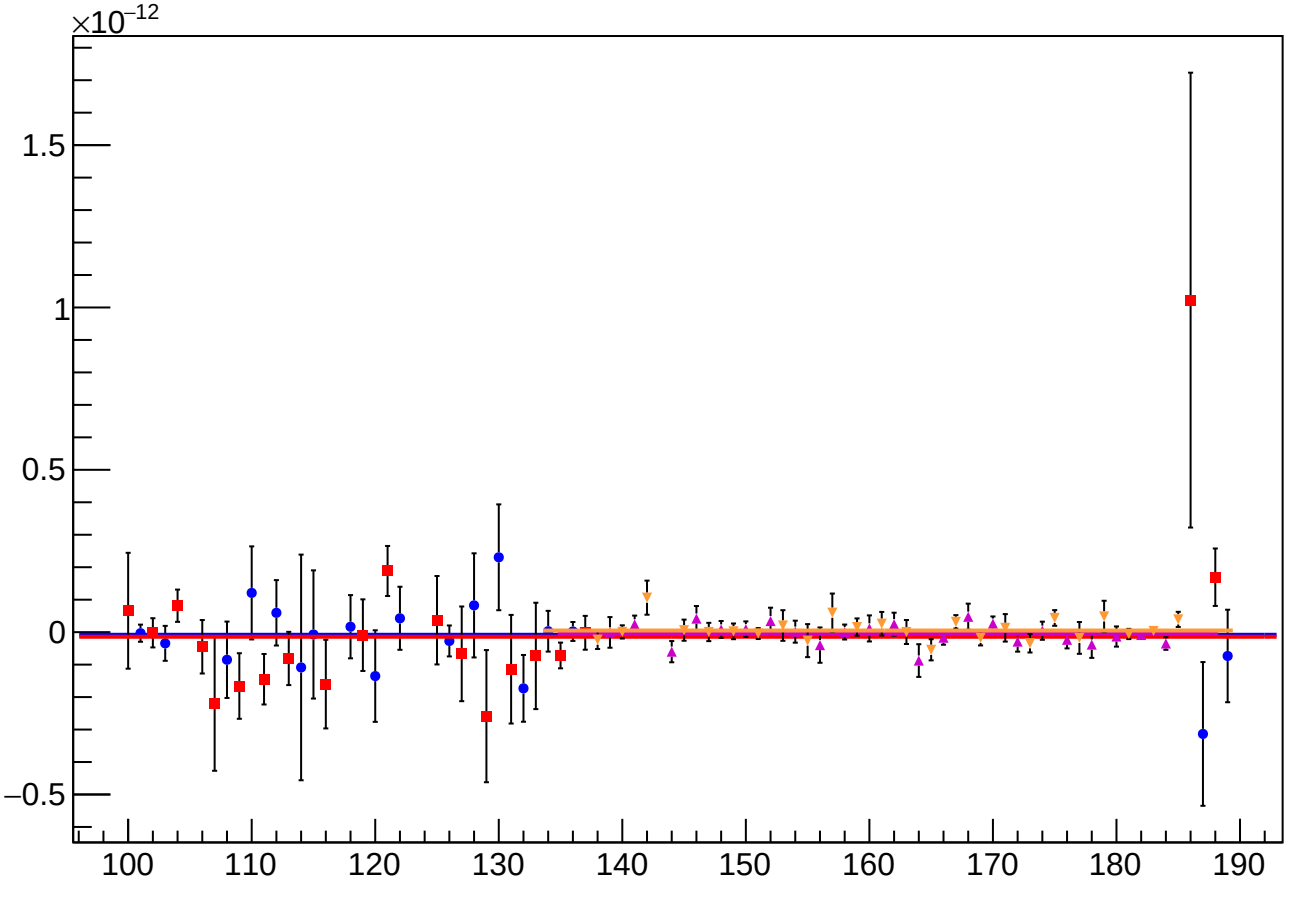
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1484.668+/-0.261 χ^2/NDF: 763273.9/37

In: 1549.541+/-0.217 χ^2/NDF:1253254.1/40

Out: 1581.862+/-0.217 χ^2/NDF:1136303.4/43

All: 1565.674+/-0.153 χ^2/NDF: 2400650.0/84



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/17

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

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/19

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

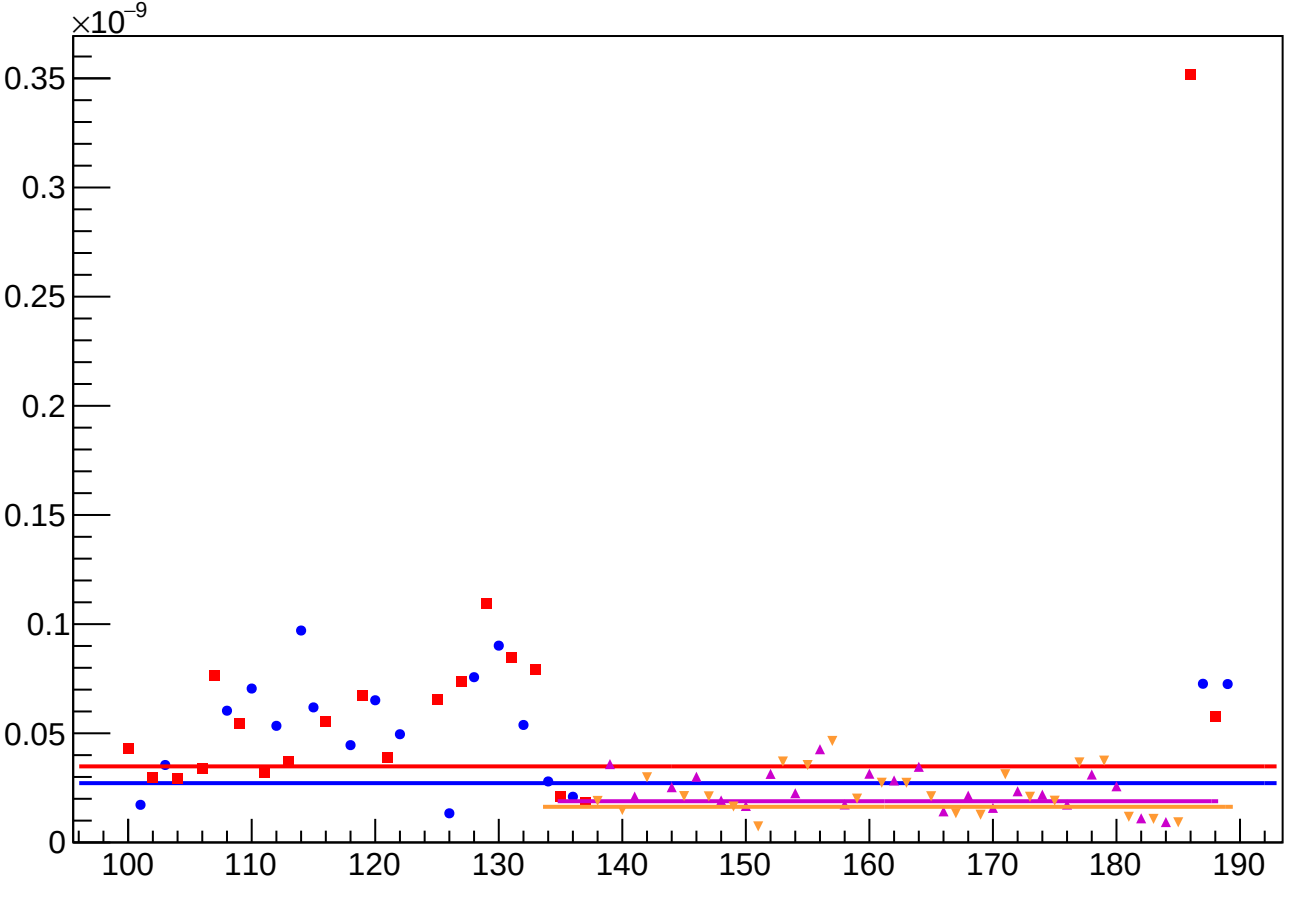
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 40.5/37

In: -0.000+/-0.000 χ^2/NDF:30.1/40

Out: 0.000+/-0.000 χ^2/NDF:51.8/43

All: -0.000+/-0.000 χ^2/NDF: 83.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 2430673.4/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 2265279.1/19

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

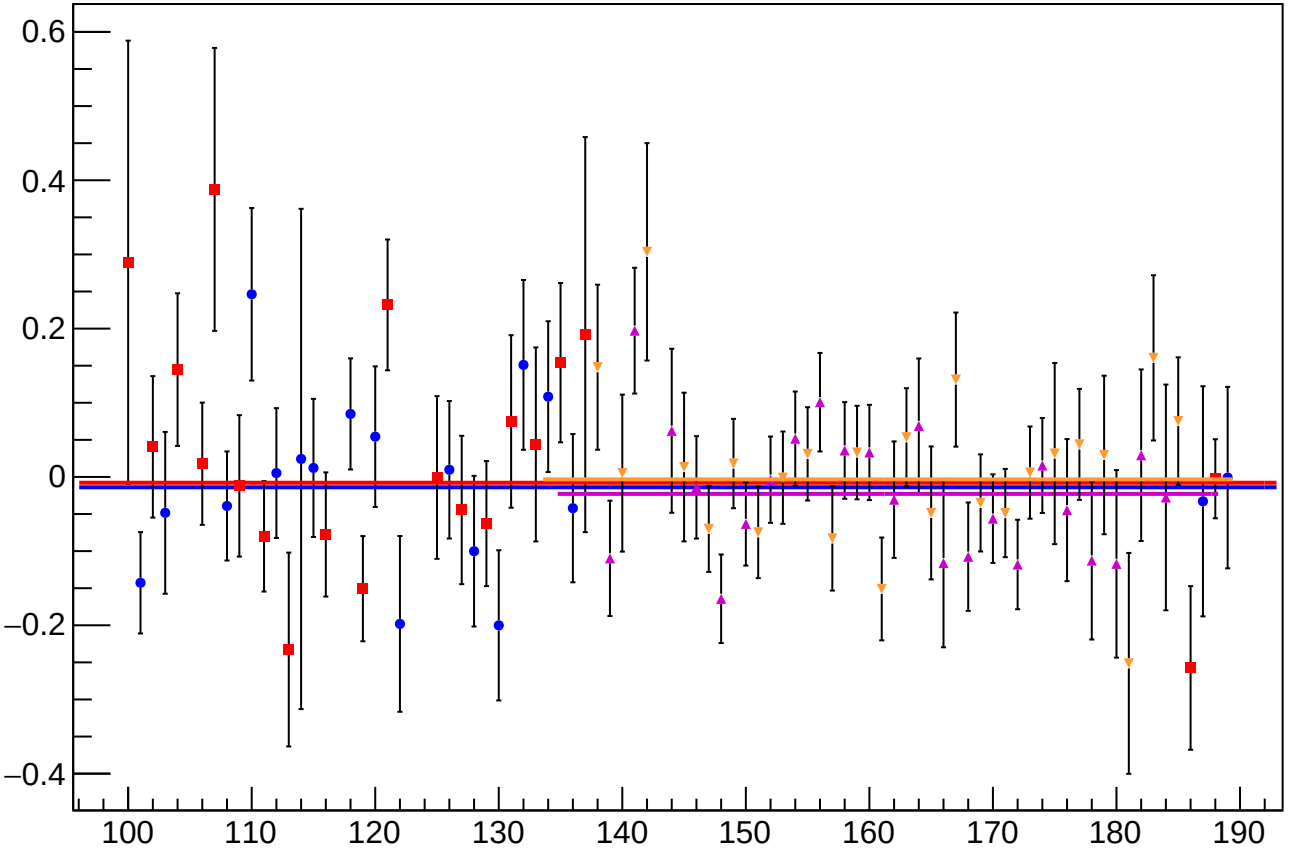
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 4912611.2/37

In: 0.000+/-0.000 χ^2/NDF:6214147.1/40

Out: 0.000+/-0.000 χ^2/NDF:8512963.8/43

All: 0.000+/-0.000 χ^2/NDF: 14889669.8/84



Right In: -0.014+/-0.023 χ^2/NDF: 21.4/17

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

Right Out: -0.008+/-0.021 χ^2/NDF: 33.1/19

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

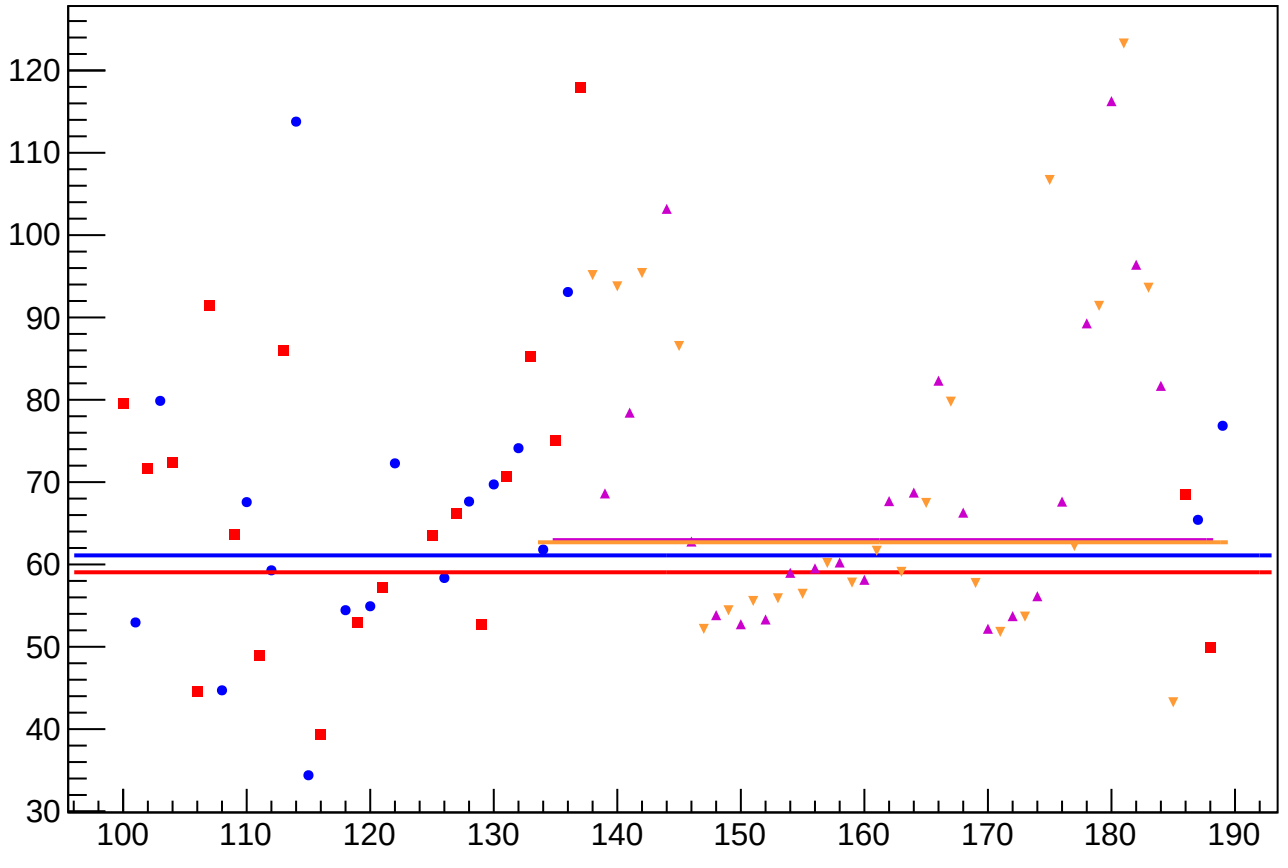
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.016 χ^2/NDF: 54.5/37

In: -0.020+/-0.013 χ^2/NDF:50.4/40

Out: -0.005+/-0.013 χ^2/NDF:59.0/43

All: -0.012+/-0.009 χ^2/NDF: 110.2/84



Right In: 61.101+/-0.016 χ^2/NDF: 739559.8/17

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

Right Out: 59.049+/-0.015 χ^2/NDF: 791585.7/19

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

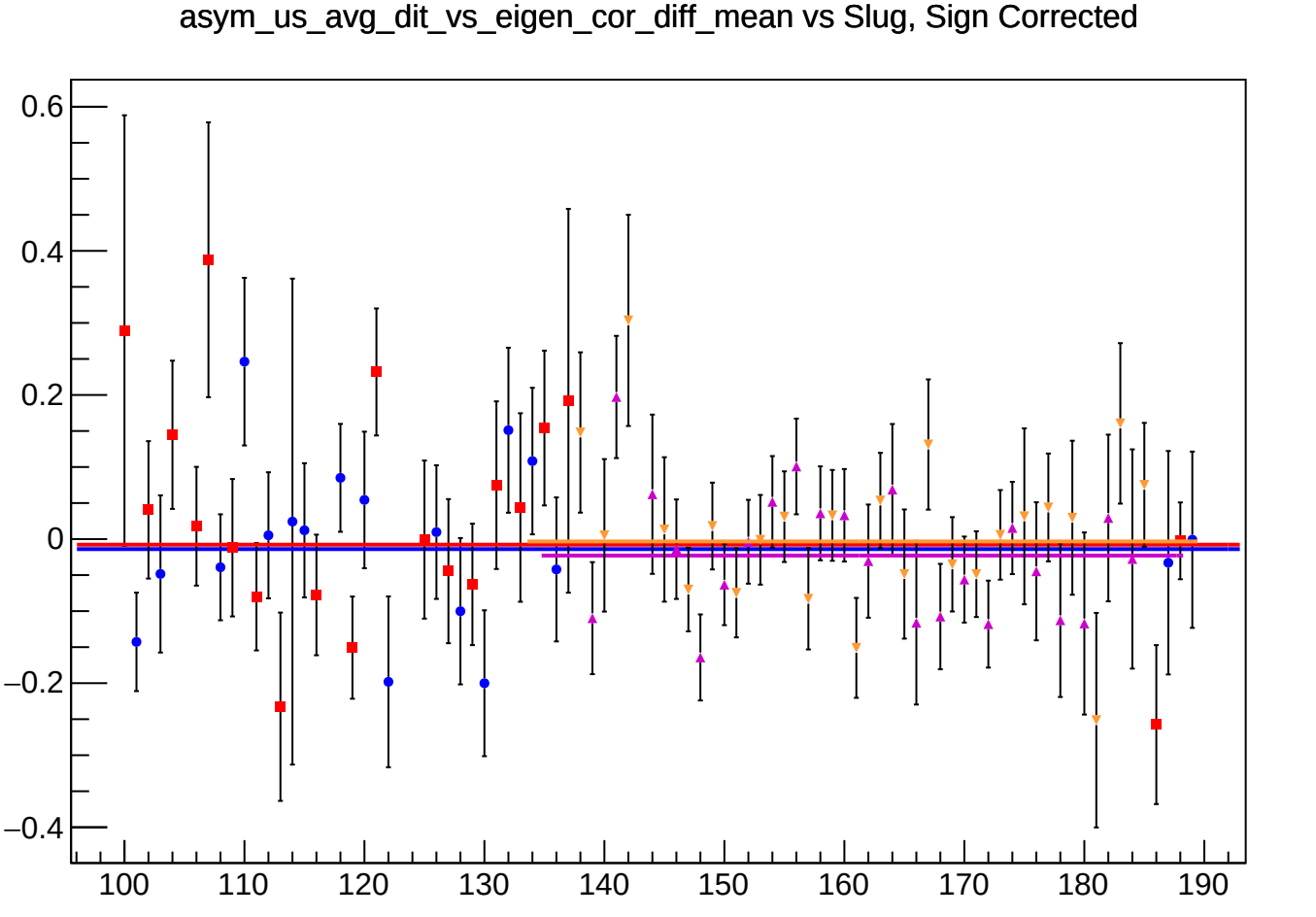
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

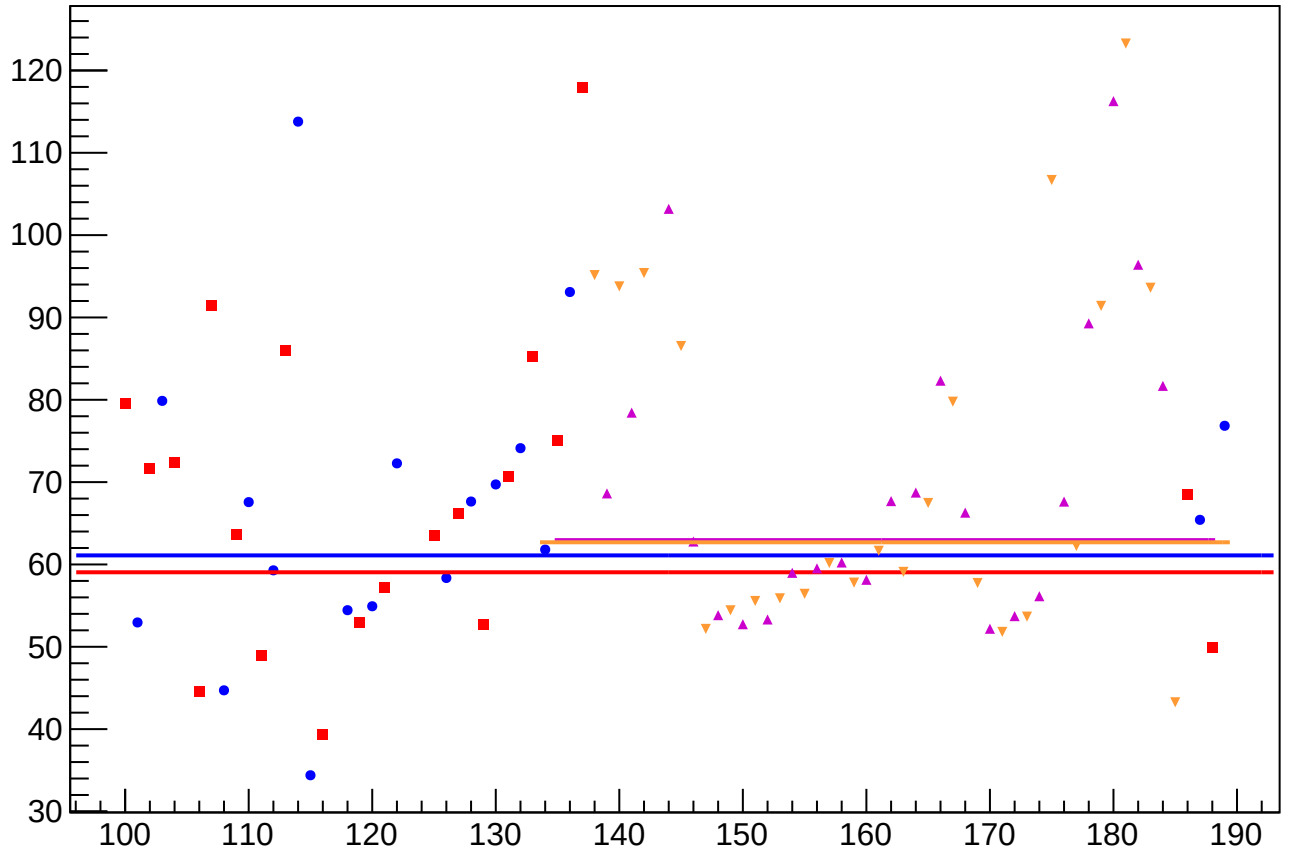
Right: 59.990+/-0.011 χ^2/NDF: 1539639.9/37

In: 62.382+/-0.009 χ^2/NDF:2178852.8/40

Out: 61.434+/-0.009 χ^2/NDF:2769244.6/43

All: 61.895+/-0.006 χ^2/NDF: 4953659.0/84


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
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.023 χ²/NDF: 21.4/17
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.008+/-0.021 χ²/NDF: 33.1/19
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.011+/-0.016 χ²/NDF: 54.5/37
In: -0.020+/-0.013 χ²/NDF:50.4/40
Out: -0.005+/-0.013 χ²/NDF:59.0/43
All: -0.012+/-0.009 χ²/NDF: 110.2/84



Right In: 61.101+/-0.016 χ^2/NDF: 739559.8/17

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

Right Out: 59.049+/-0.015 χ^2/NDF: 791585.7/19

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

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

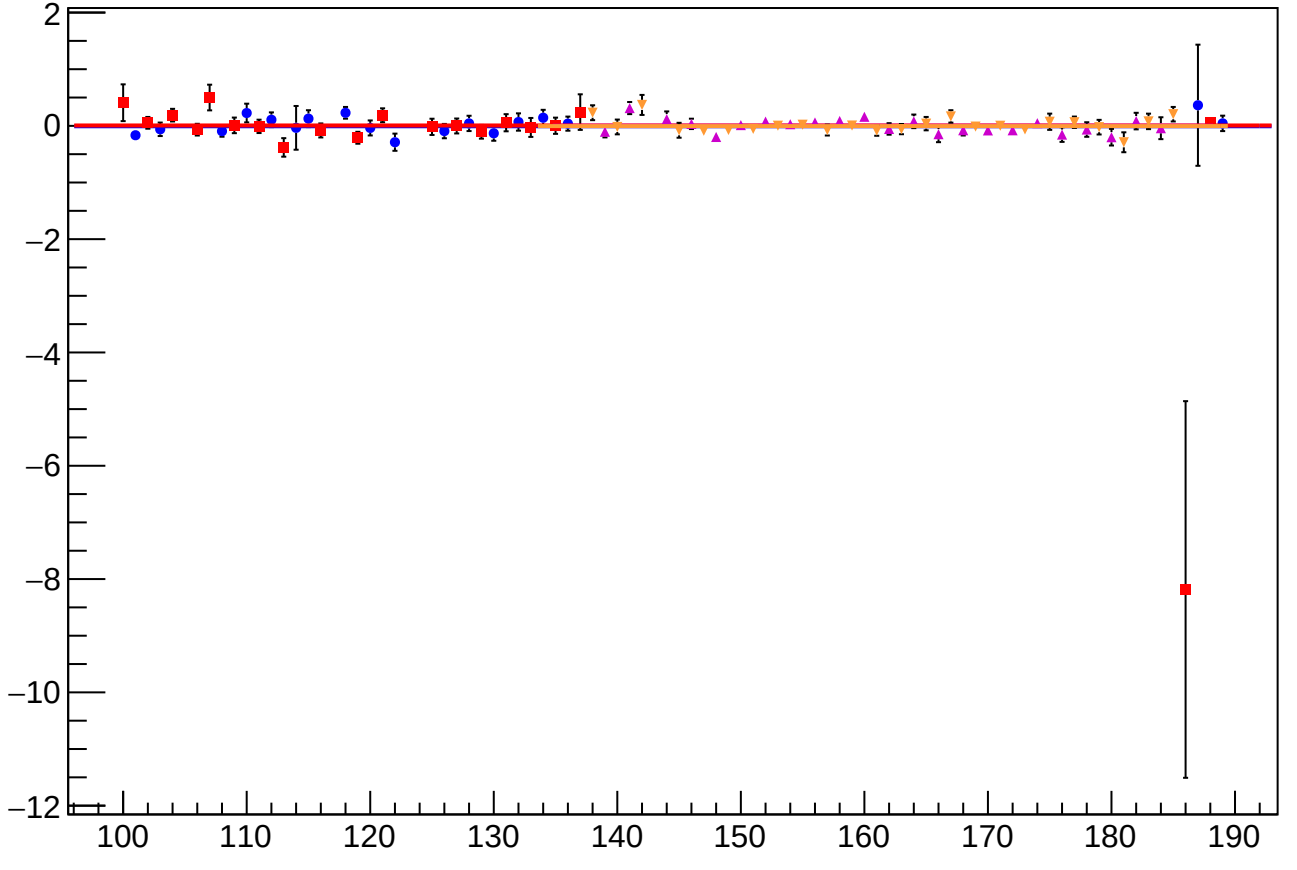
Right: 59.990+/-0.011 χ^2/NDF: 1539639.9/37

In: 62.382+/-0.009 χ^2/NDF:2178852.8/40

Out: 61.434+/-0.009 χ^2/NDF:2769244.6/43

All: 61.895+/-0.006 χ^2/NDF: 4953659.0/84

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.031 χ^2/NDF: 20.4/17

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

Right Out: 0.007+/-0.029 χ^2/NDF: 30.5/19

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

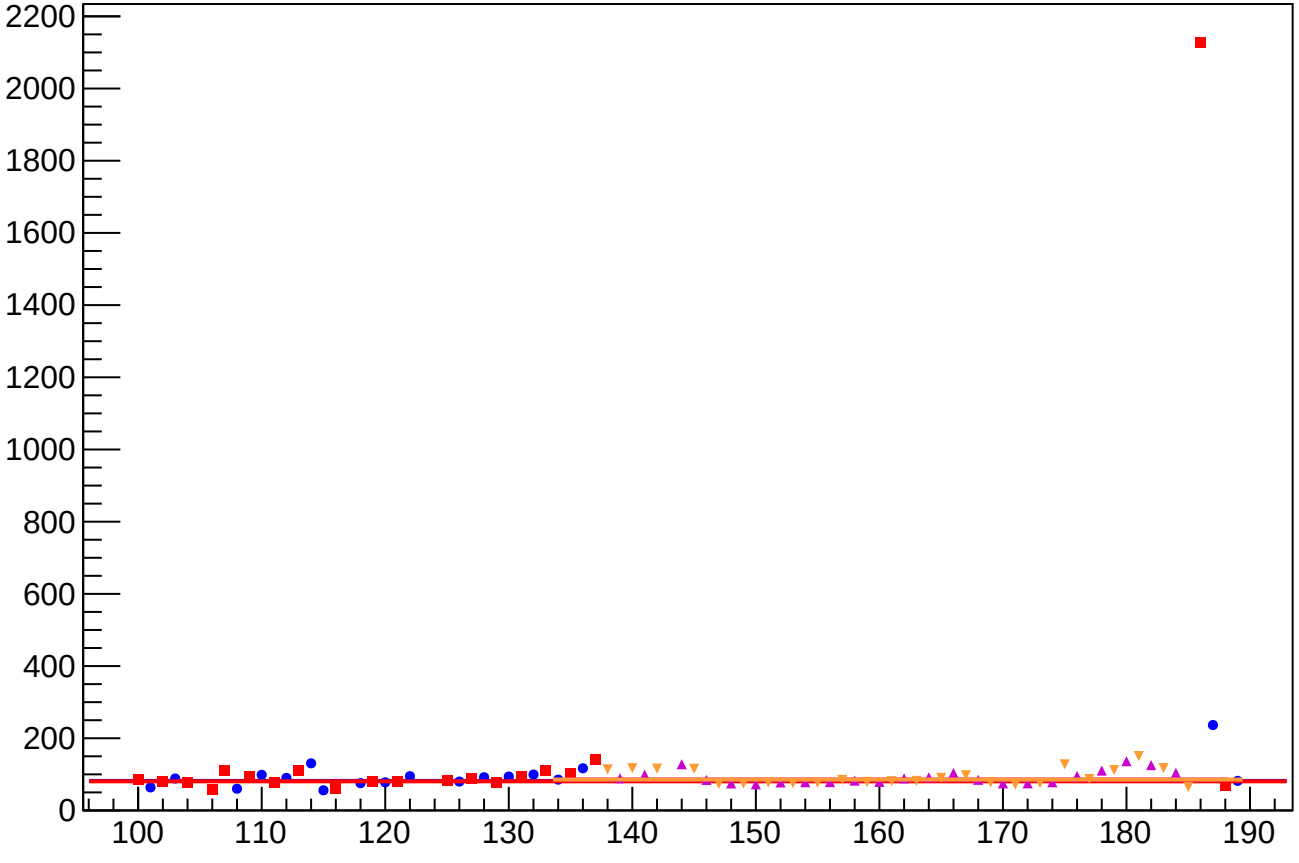
Right: 0.000+/-0.021 χ^2/NDF: 51.0/37

In: -0.001+/-0.017 χ^2/NDF:51.0/40

Out: -0.001+/-0.017 χ^2/NDF:51.9/43

All: -0.001+/-0.012 χ^2/NDF: 103.0/84

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.808+/-0.022 χ^2/NDF: 603815.4/17

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

Right Out: 80.673+/-0.021 χ^2/NDF: 1293966.0/19

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

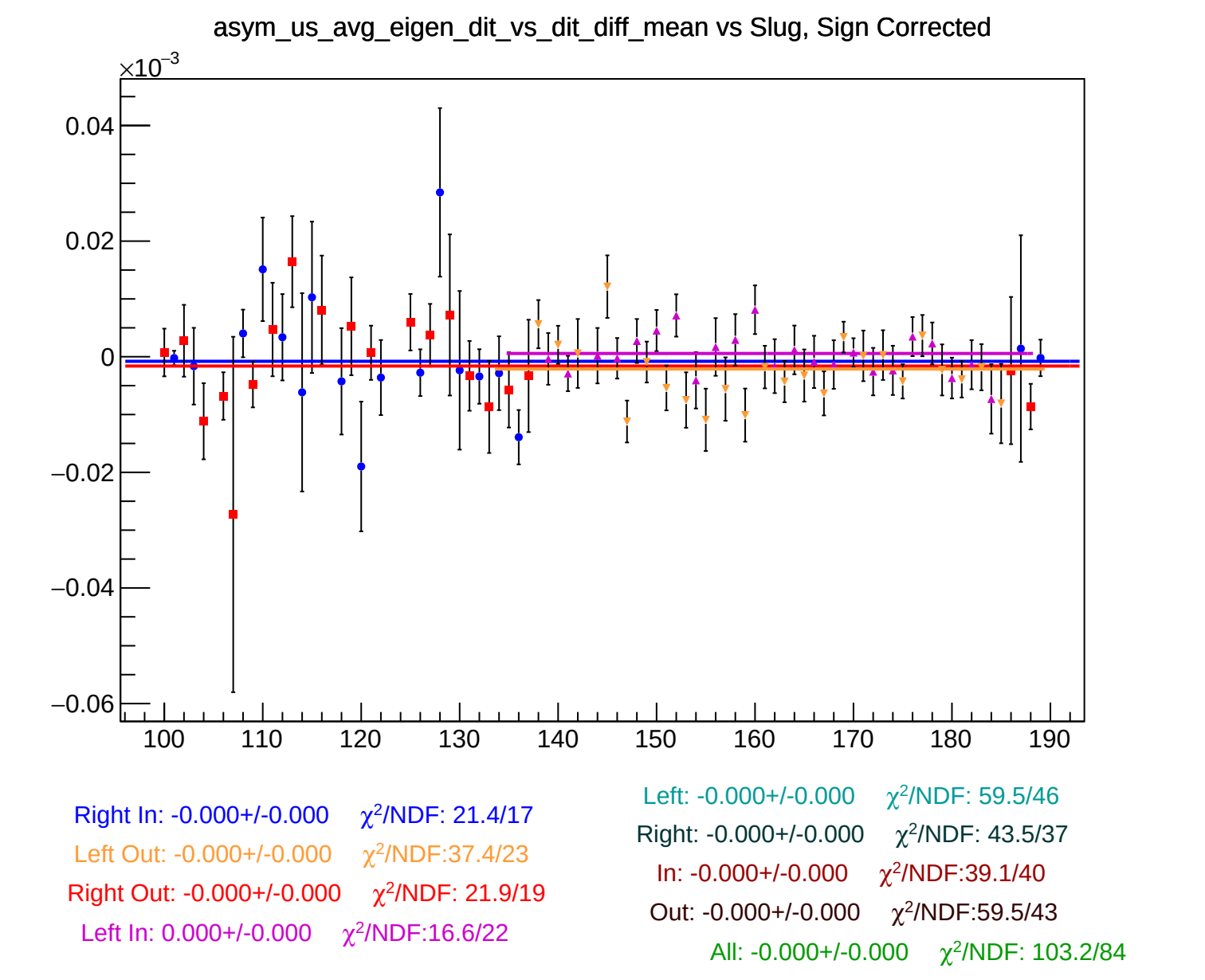
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 81.211+/-0.015 χ^2/NDF: 1899212.7/37

In: 84.475+/-0.012 χ^2/NDF:1621486.4/40

Out: 83.989+/-0.012 χ^2/NDF:2685386.4/43

All: 84.228+/-0.009 χ^2/NDF: 4307687.9/84


asym_us_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
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0
−0.02
−0.04
−0.06
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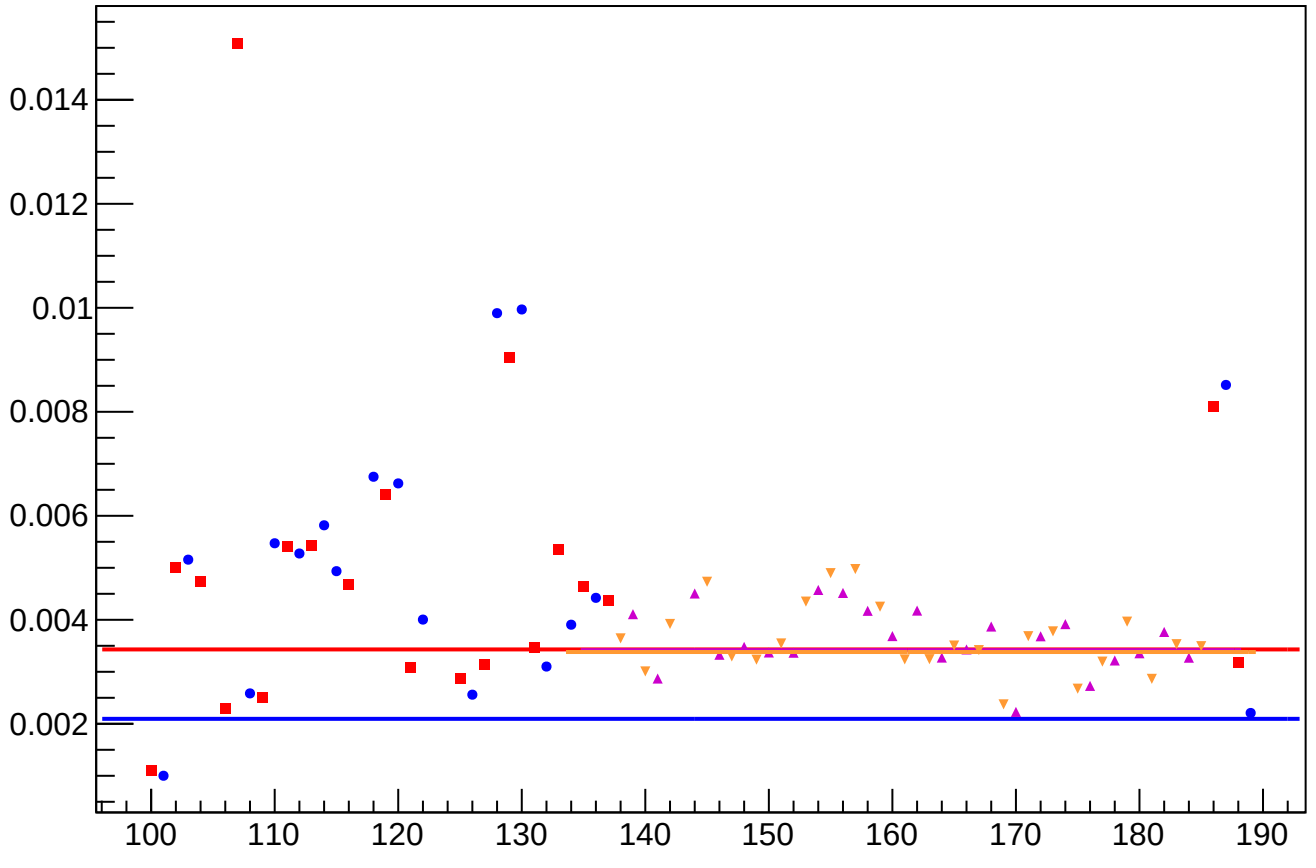
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.4/17
Left Out: -0.000+/-0.000 χ²/NDF:37.4/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.9/19
Left In: 0.000+/-0.000 χ²/NDF:16.6/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/46
Right: -0.000+/-0.000 χ²/NDF: 43.5/37
In: -0.000+/-0.000 χ²/NDF:39.1/40
Out: -0.000+/-0.000 χ²/NDF:59.5/43
All: -0.000+/-0.000 χ²/NDF: 103.2/84



Right In: 0.002+/-0.000 χ^2/NDF: 6032120.8/17

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

Right Out: 0.003+/-0.000 χ^2/NDF: 2770076.5/19

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

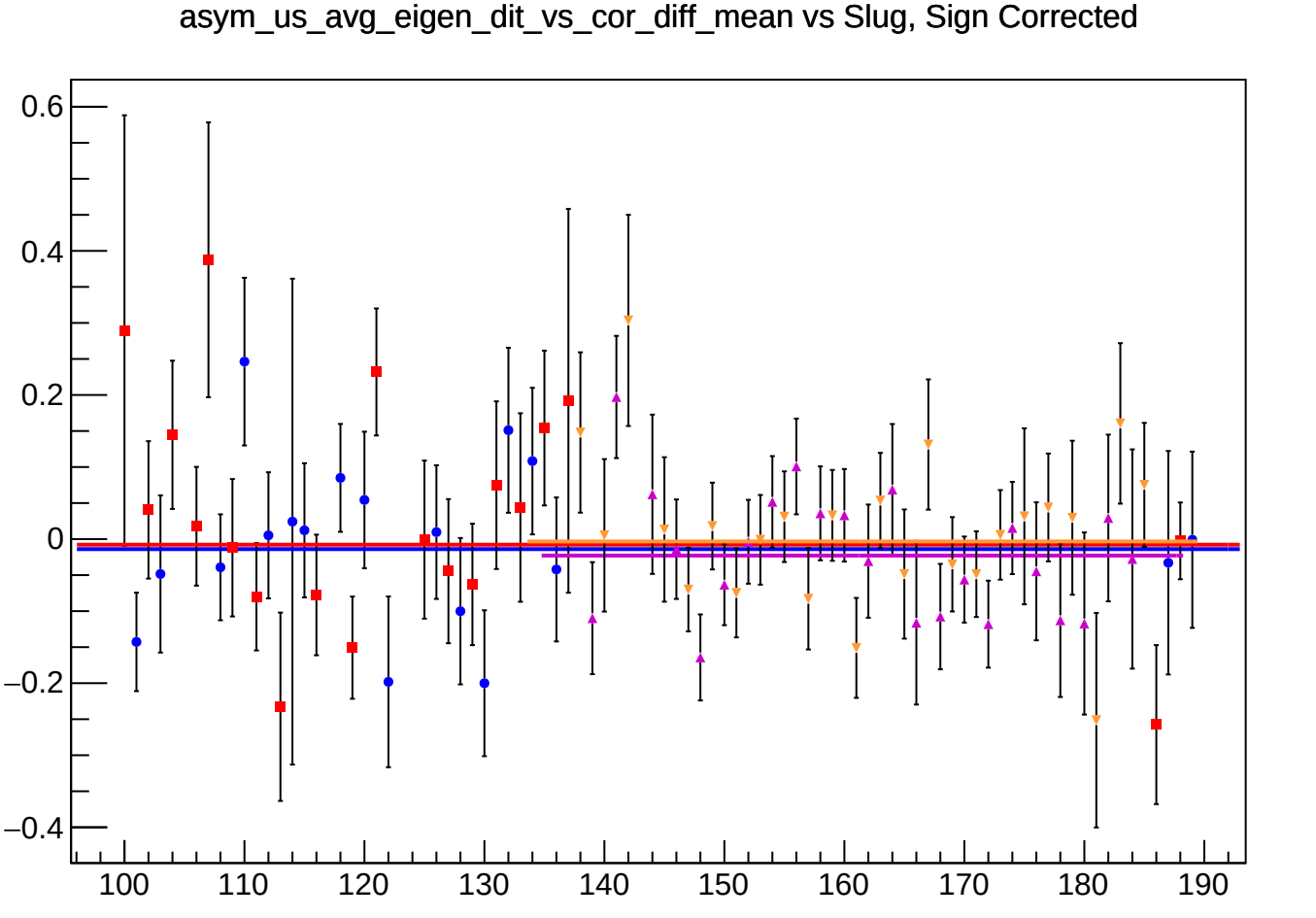
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

Right: 0.003+/-0.000 χ^2/NDF: 10124001.8/37

In: 0.003+/-0.000 χ^2/NDF:9402812.0/40

Out: 0.003+/-0.000 χ^2/NDF:3967748.2/43

All: 0.003+/-0.000 χ^2/NDF: 14026495.2/84


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
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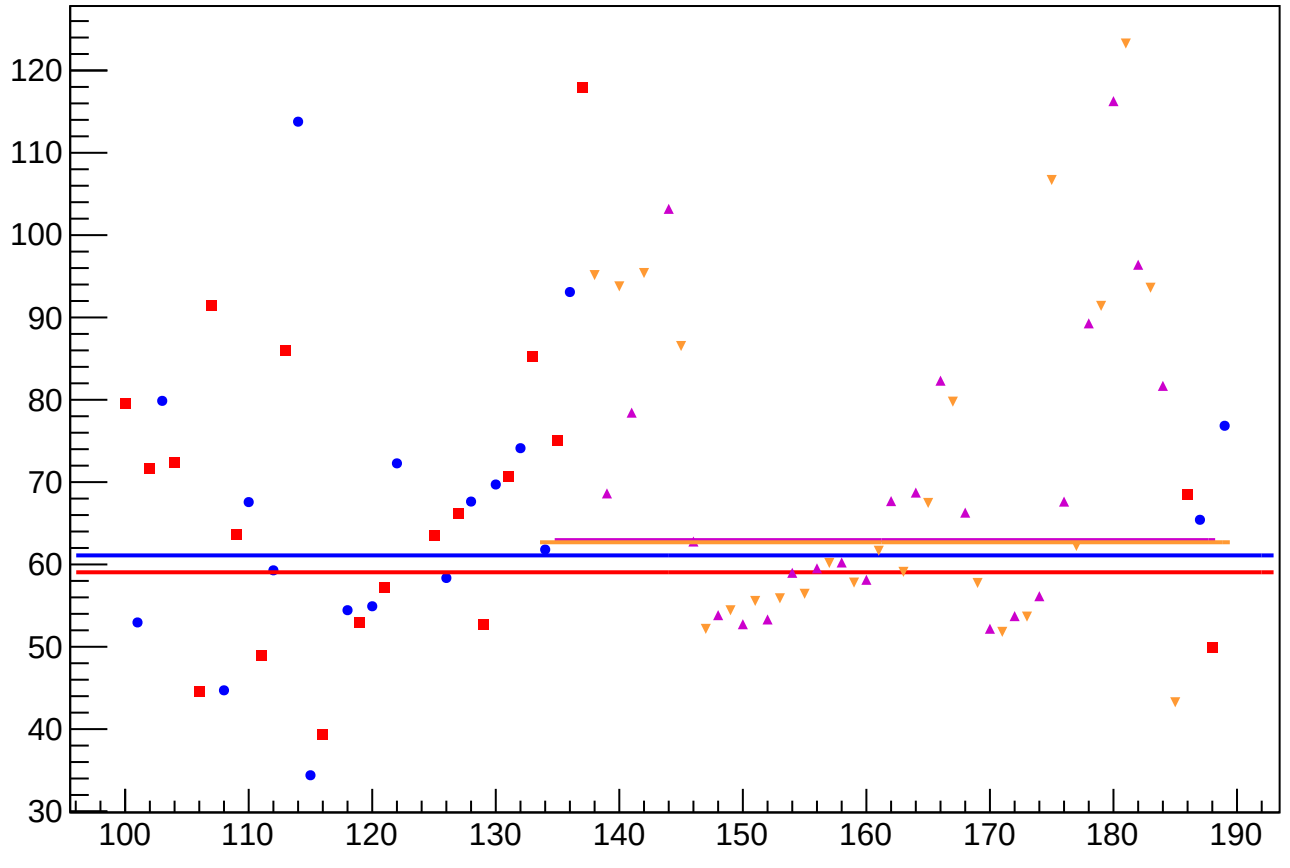
140
150
160
170
180
190
Right In: -0.014+/-0.023 χ²/NDF: 21.4/17
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.008+/-0.021 χ²/NDF: 33.1/19
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.011+/-0.016 χ²/NDF: 54.5/37
In: -0.020+/-0.013 χ²/NDF:50.4/40
Out: -0.005+/-0.013 χ²/NDF:59.0/43
All: -0.012+/-0.009 χ²/NDF: 110.2/84



Right In: 61.099+/-0.016 χ^2/NDF: 739584.7/17

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

Right Out: 59.048+/-0.015 χ^2/NDF: 791576.9/19

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

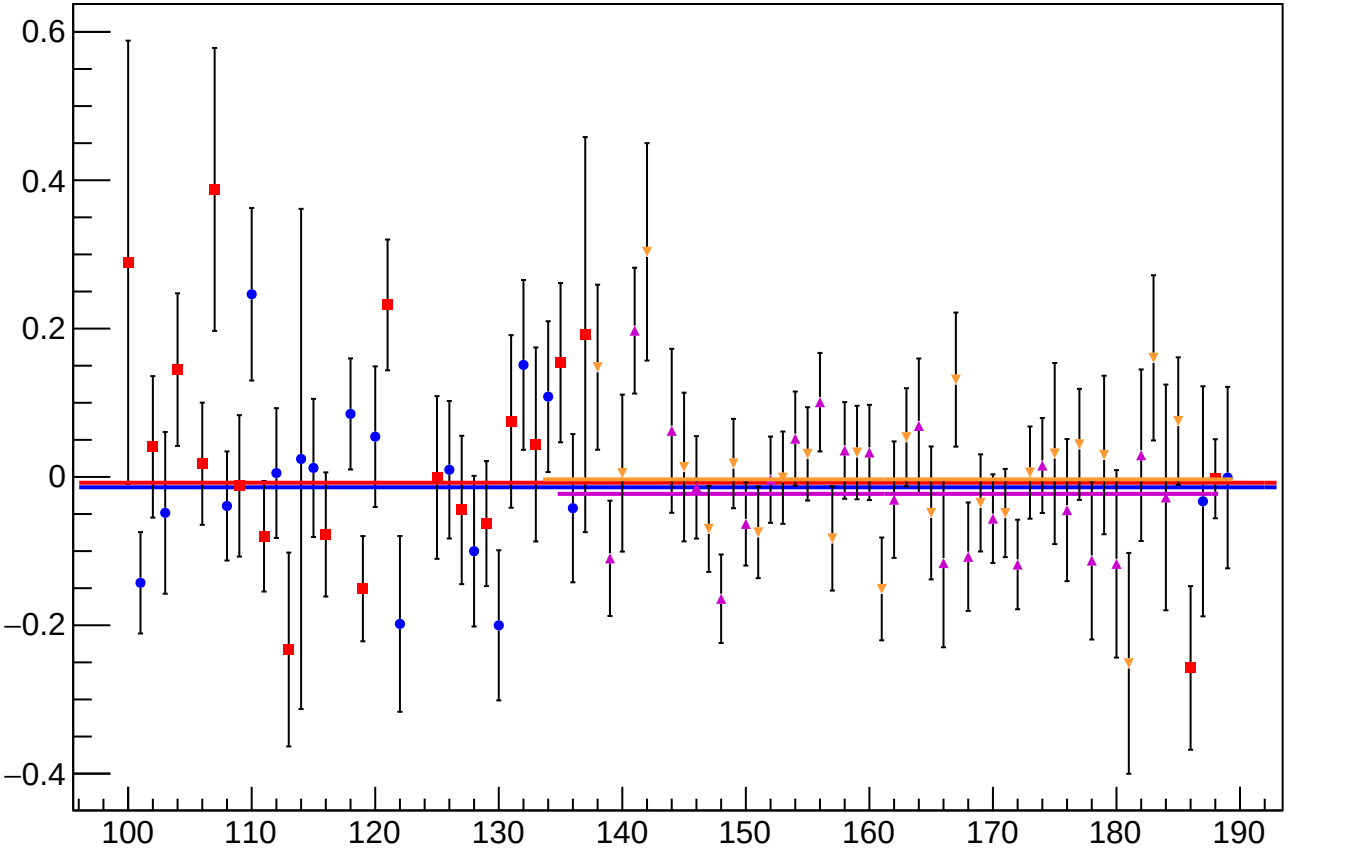
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

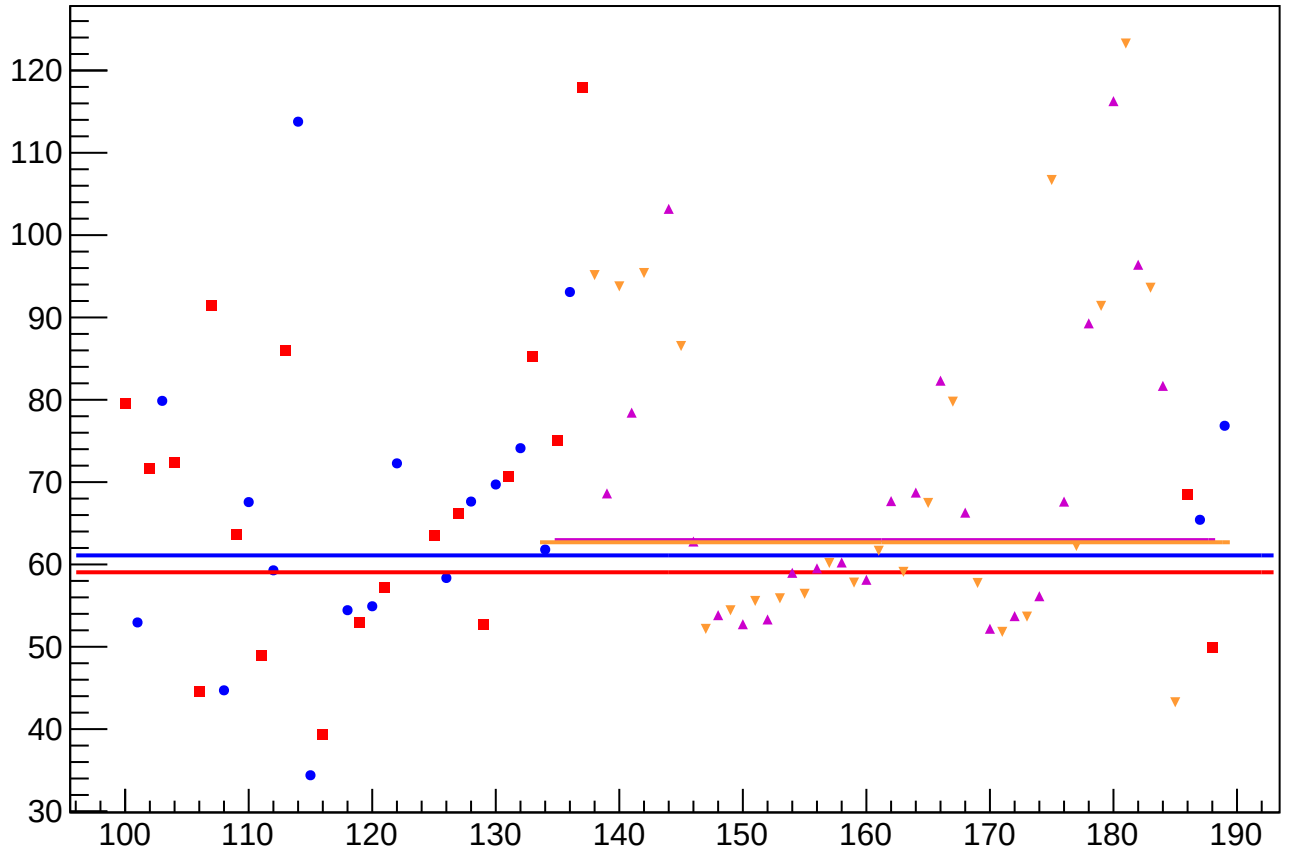
Right: 59.989+/-0.011 χ^2/NDF: 1539654.7/37

In: 62.382+/-0.009 χ^2/NDF:2178867.9/40

Out: 61.434+/-0.009 χ^2/NDF:2769249.1/43

All: 61.895+/-0.006 χ^2/NDF: 4953677.9/84


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.023 χ²/NDF: 21.4/17
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.008+/-0.021 χ²/NDF: 33.1/19
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.011+/-0.016 χ²/NDF: 54.5/37
In: -0.020+/-0.013 χ²/NDF:50.4/40
Out: -0.005+/-0.013 χ²/NDF:59.0/43
All: -0.012+/-0.009 χ²/NDF: 110.2/84



Right In: 61.099+/-0.016 χ^2/NDF: 739584.7/17

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

Right Out: 59.048+/-0.015 χ^2/NDF: 791576.9/19

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

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

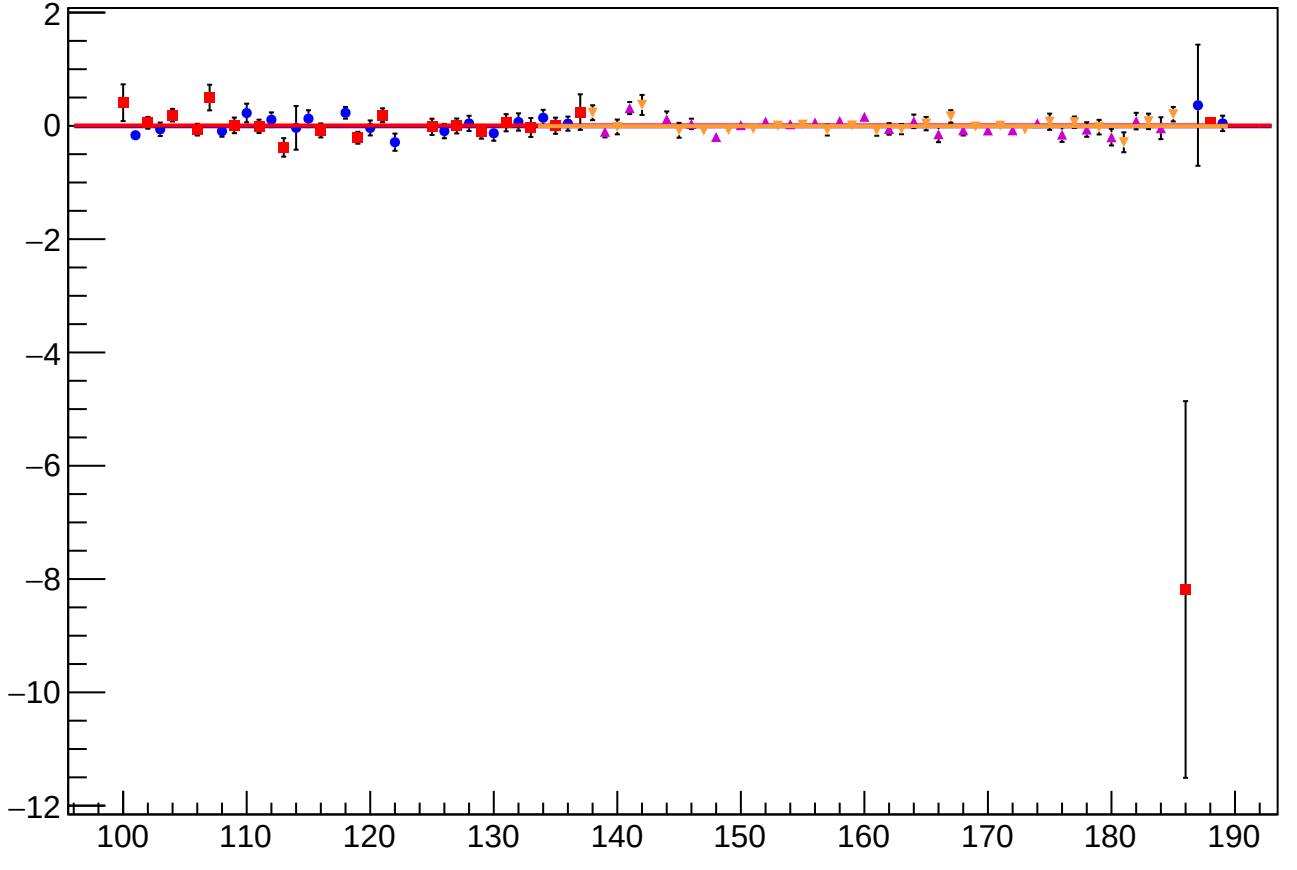
Right: 59.989+/-0.011 χ^2/NDF: 1539654.7/37

In: 62.382+/-0.009 χ^2/NDF:2178867.9/40

Out: 61.434+/-0.009 χ^2/NDF:2769249.1/43

All: 61.895+/-0.006 χ^2/NDF: 4953677.9/84

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.031 χ^2/NDF: 20.4/17

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

Right Out: 0.007+/-0.029 χ^2/NDF: 30.5/19

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

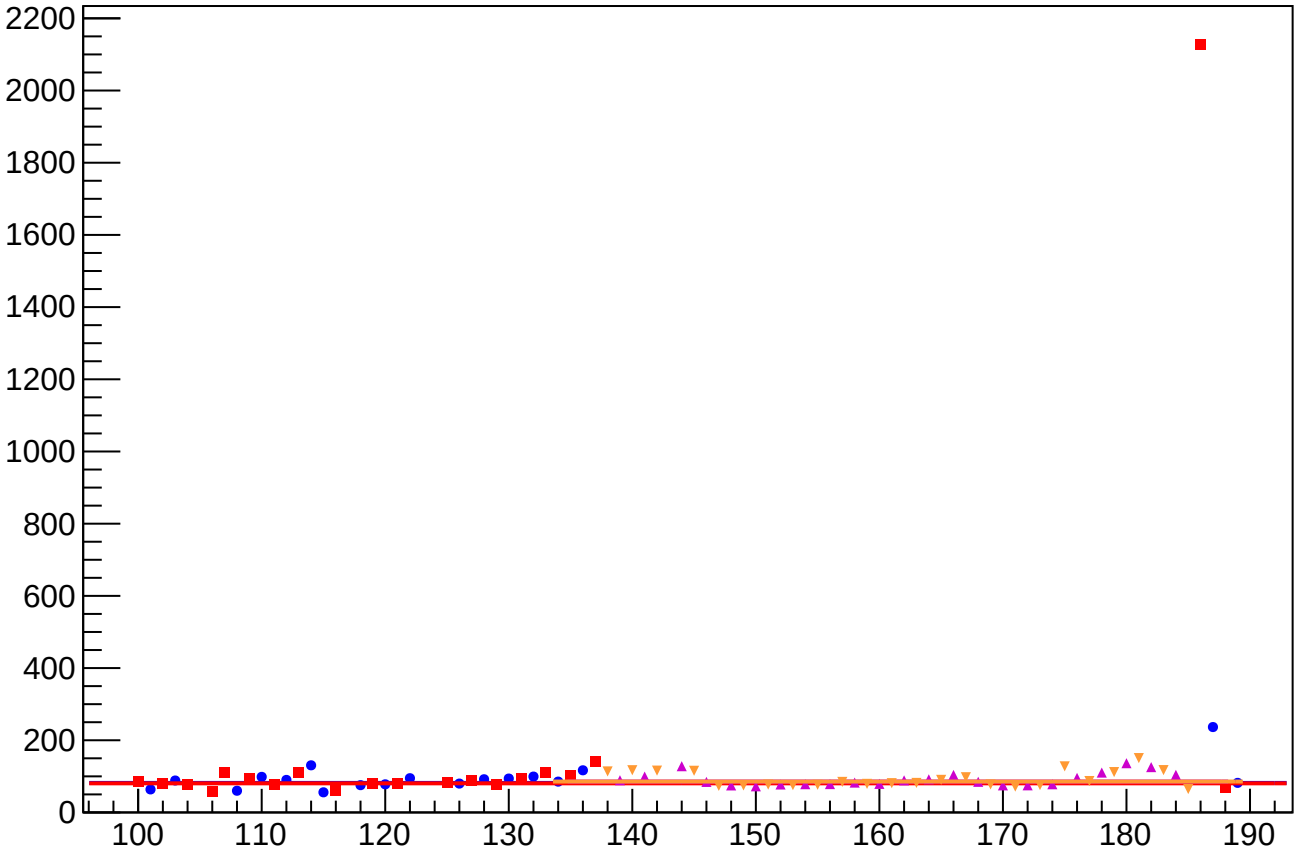
Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

Right: 0.000+/-0.021 χ^2/NDF: 51.0/37

In: -0.001+/-0.017 χ^2/NDF:51.0/40

Out: -0.001+/-0.017 χ^2/NDF:51.9/43

All: -0.001+/-0.012 χ^2/NDF: 103.0/84



Right In: 81.807+/-0.022 χ^2/NDF: 603803.1/17

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

Right Out: 80.672+/-0.021 χ^2/NDF: 1293948.8/19

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

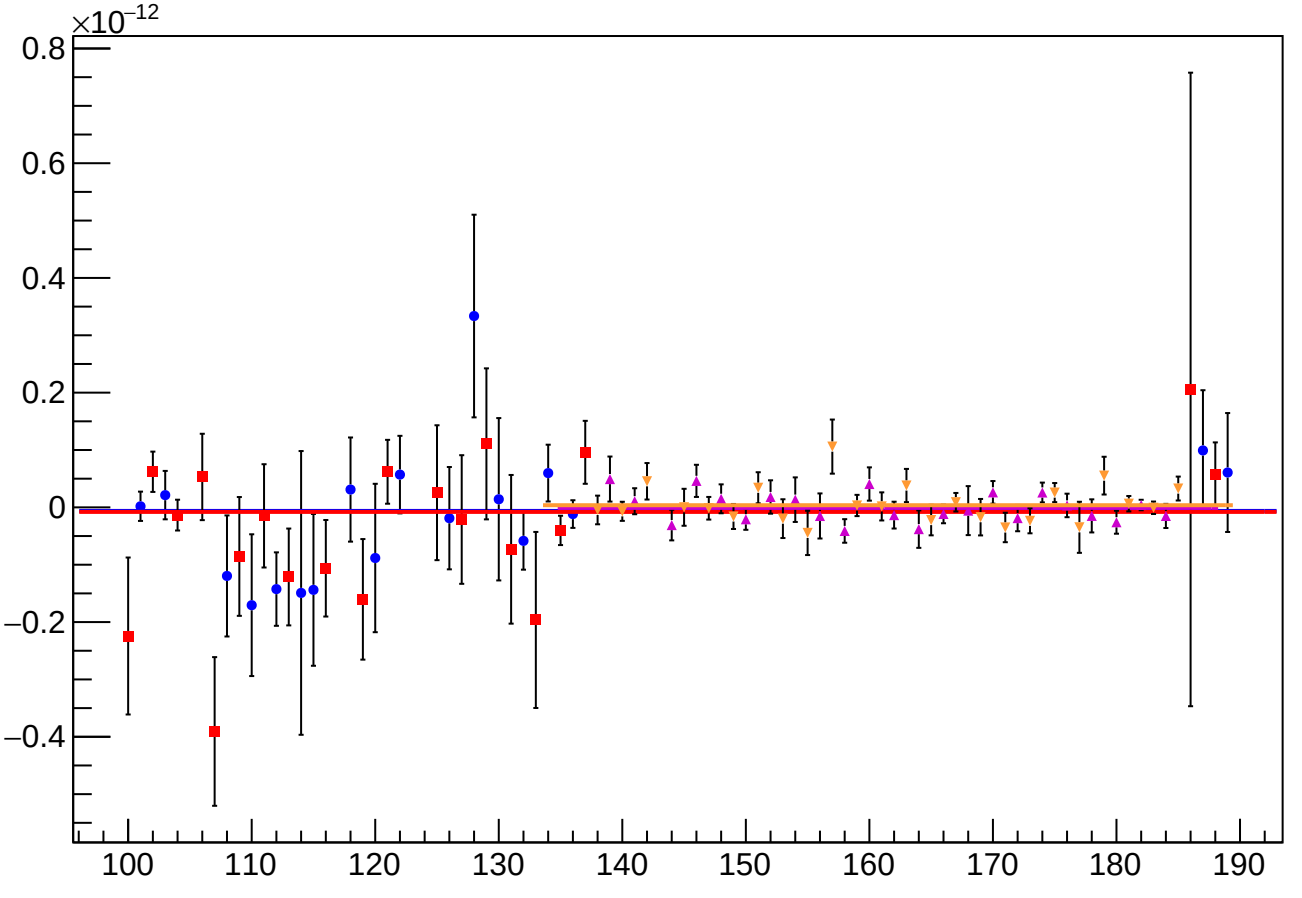
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 81.210+/-0.015 χ^2/NDF: 1899183.2/37

In: 84.475+/-0.012 χ^2/NDF:1621476.3/40

Out: 83.989+/-0.012 χ^2/NDF:2685376.5/43

All: 84.228+/-0.009 χ^2/NDF: 4307667.7/84



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/17

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

Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/19

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

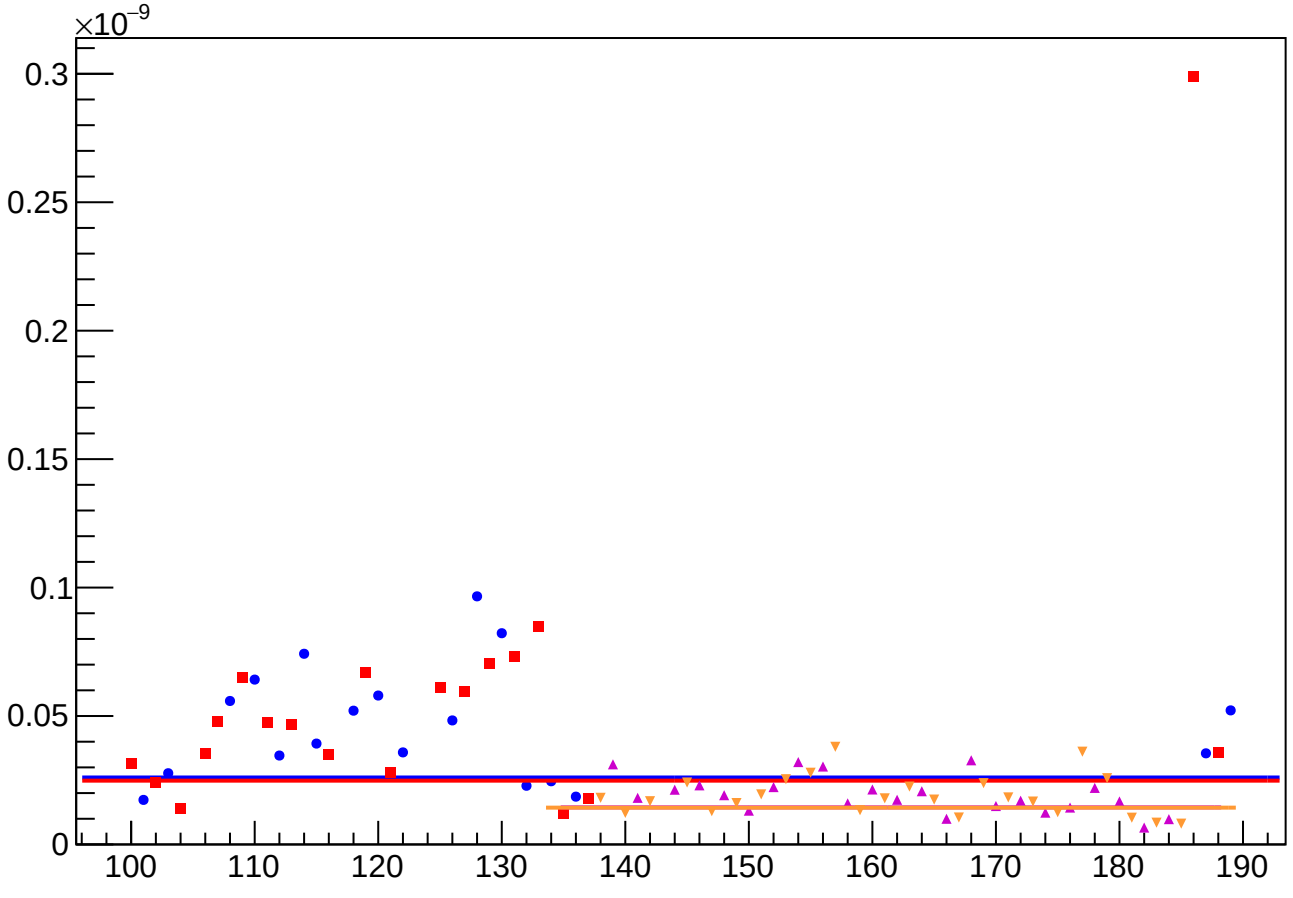
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 51.7/37

In: -0.000+/-0.000 χ^2/NDF:42.7/40

Out: 0.000+/-0.000 χ^2/NDF:58.4/43

All: 0.000+/-0.000 χ^2/NDF: 101.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 2146687.1/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3661064.1/19

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

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

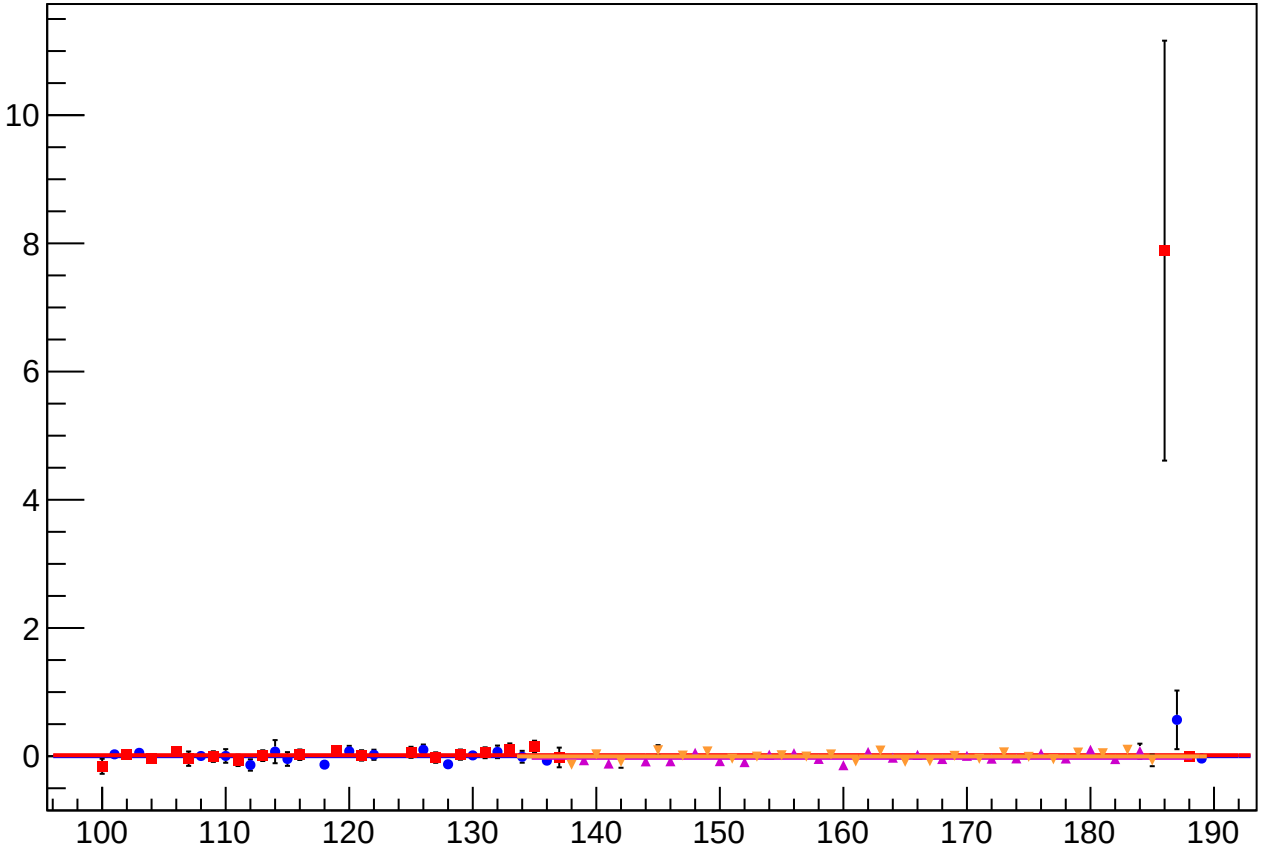
Right: 0.000+/-0.000 χ^2/NDF: 5816635.3/37

In: 0.000+/-0.000 χ^2/NDF:7832602.1/40

Out: 0.000+/-0.000 χ^2/NDF:8443515.5/43

All: 0.000+/-0.000 χ^2/NDF: 16279125.6/84

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.015 χ^2/NDF: 18.0/17

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

Right Out: 0.016+/-0.015 χ^2/NDF: 18.3/19

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

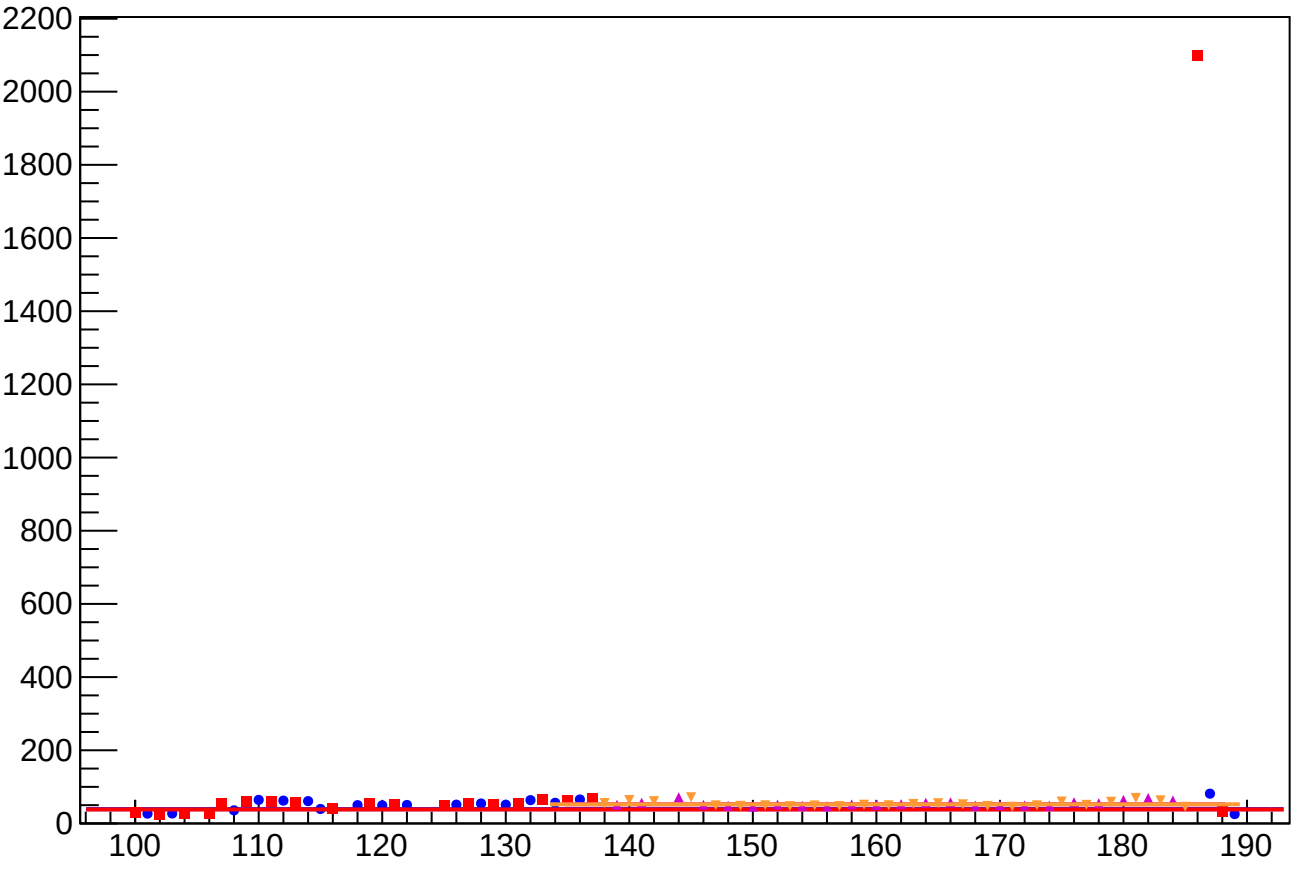
Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

Right: 0.008+/-0.011 χ^2/NDF: 36.8/37

In: -0.015+/-0.010 χ^2/NDF:44.0/40

Out: 0.005+/-0.009 χ^2/NDF:42.4/43

All: -0.005+/-0.007 χ^2/NDF: 88.5/84



Right In: 39.047+/-0.011 χ^2/NDF: 1785085.6/17

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

Right Out: 38.240+/-0.010 χ^2/NDF: 2667393.0/19

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

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

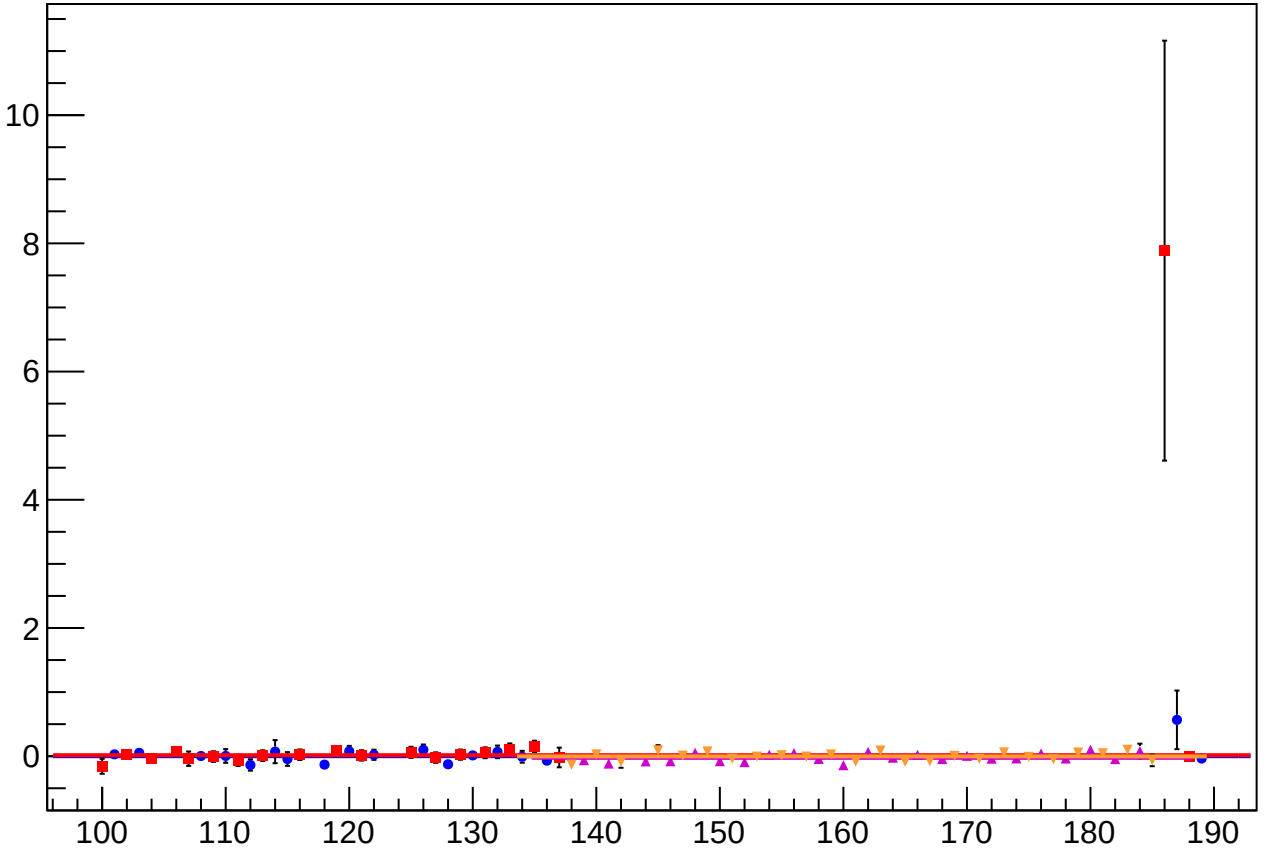
Right: 38.623+/-0.007 χ^2/NDF: 4455411.7/37

In: 47.089+/-0.007 χ^2/NDF:3156592.2/40

Out: 46.404+/-0.007 χ^2/NDF:4281335.7/43

All: 46.738+/-0.005 χ^2/NDF: 7443062.6/84

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.015 χ^2/NDF: 18.0/17

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

Right Out: 0.016+/-0.015 χ^2/NDF: 18.3/19

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

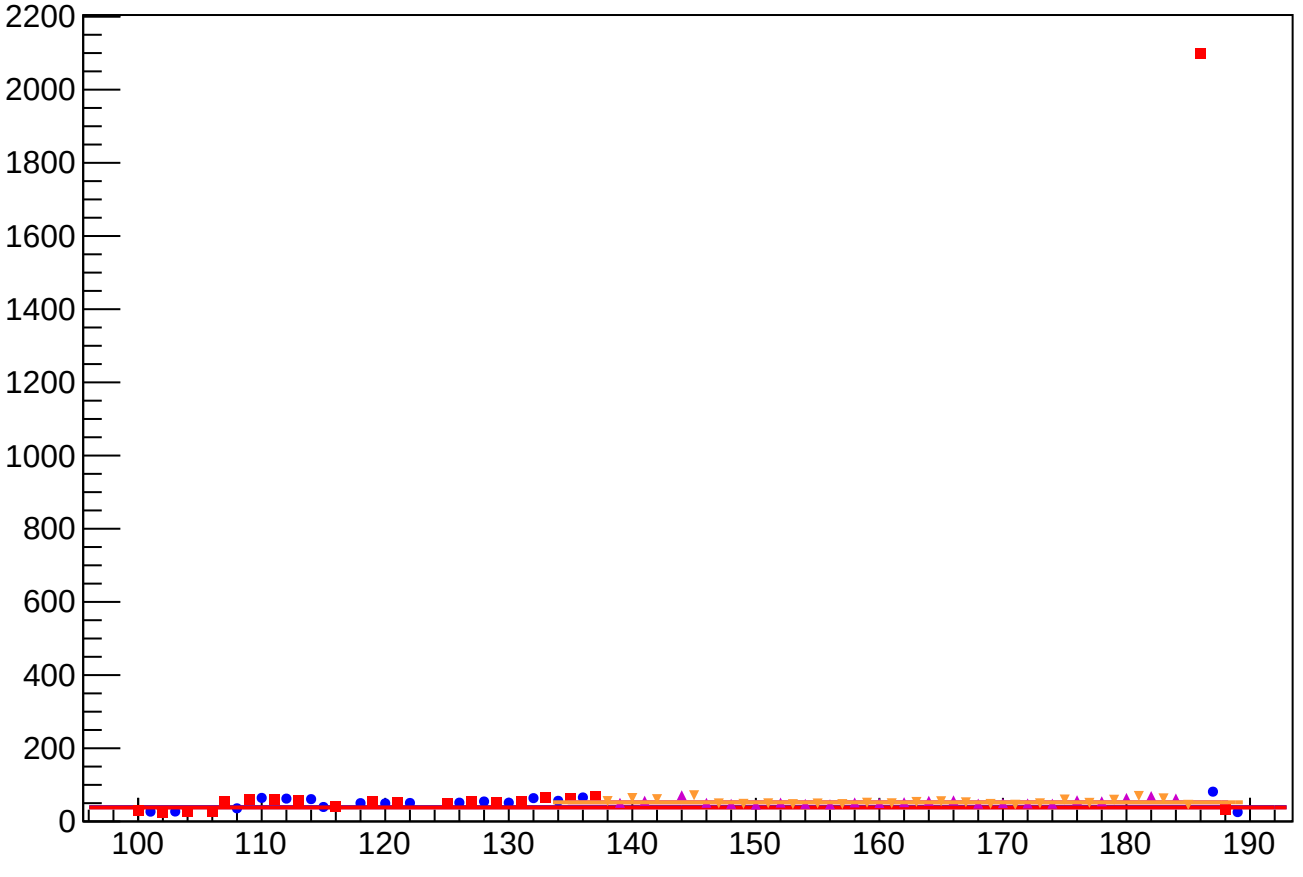
Right: 0.008+/-0.011 χ^2/NDF: 36.8/37

In: -0.015+/-0.010 χ^2/NDF:44.0/40

Out: 0.005+/-0.009 χ^2/NDF:42.4/43

All: -0.005+/-0.007 χ^2/NDF: 88.5/84

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.047+/-0.011 χ^2/NDF: 1785085.6/17

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

Right Out: 38.240+/-0.010 χ^2/NDF: 2667393.0/19

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

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

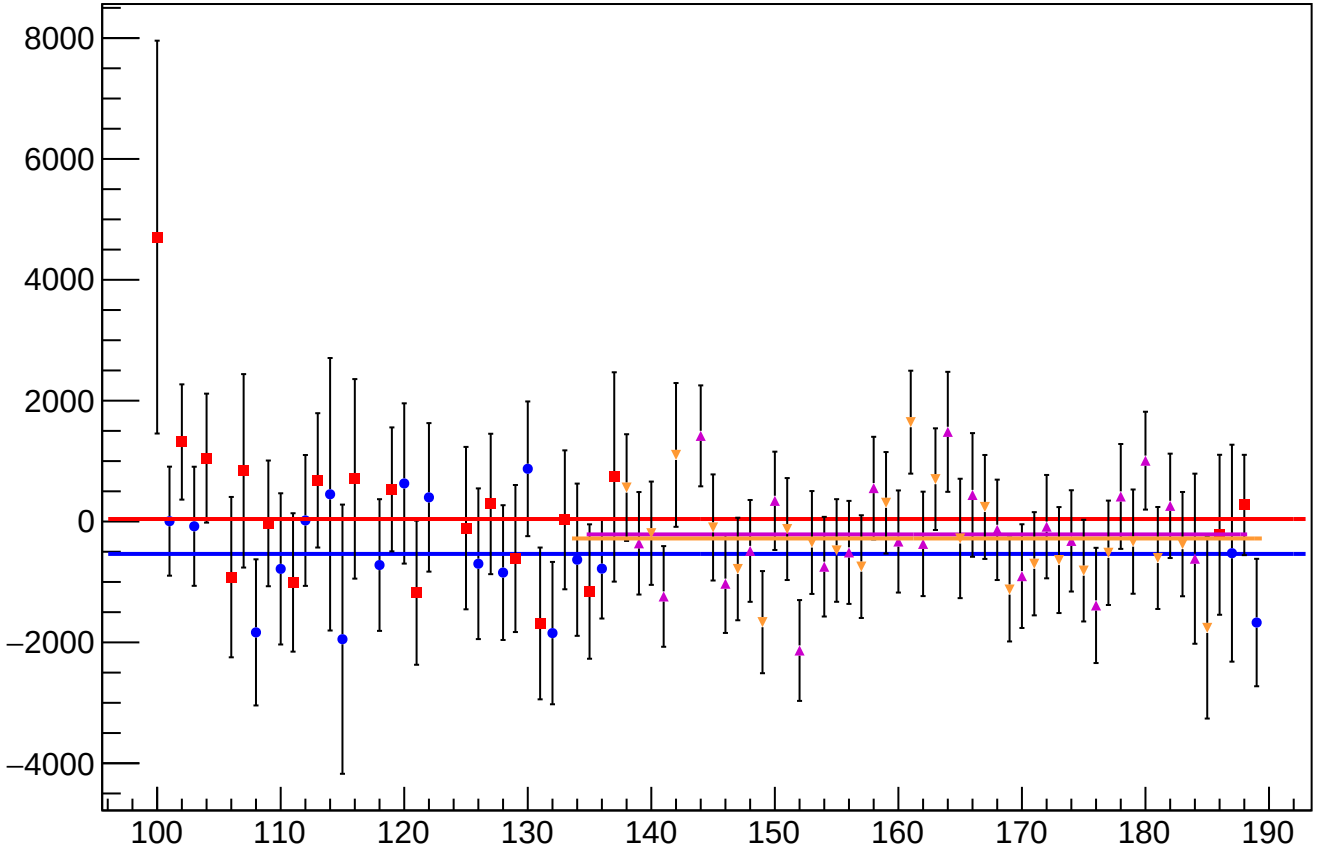
Right: 38.623+/-0.007 χ^2/NDF: 4455411.7/37

In: 47.089+/-0.007 χ^2/NDF:3156592.2/40

Out: 46.404+/-0.007 χ^2/NDF:4281335.7/43

All: 46.738+/-0.005 χ^2/NDF: 7443062.6/84

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

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

Right Out: 41.732+/-266.571 χ^2/NDF: 11.8/19

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

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

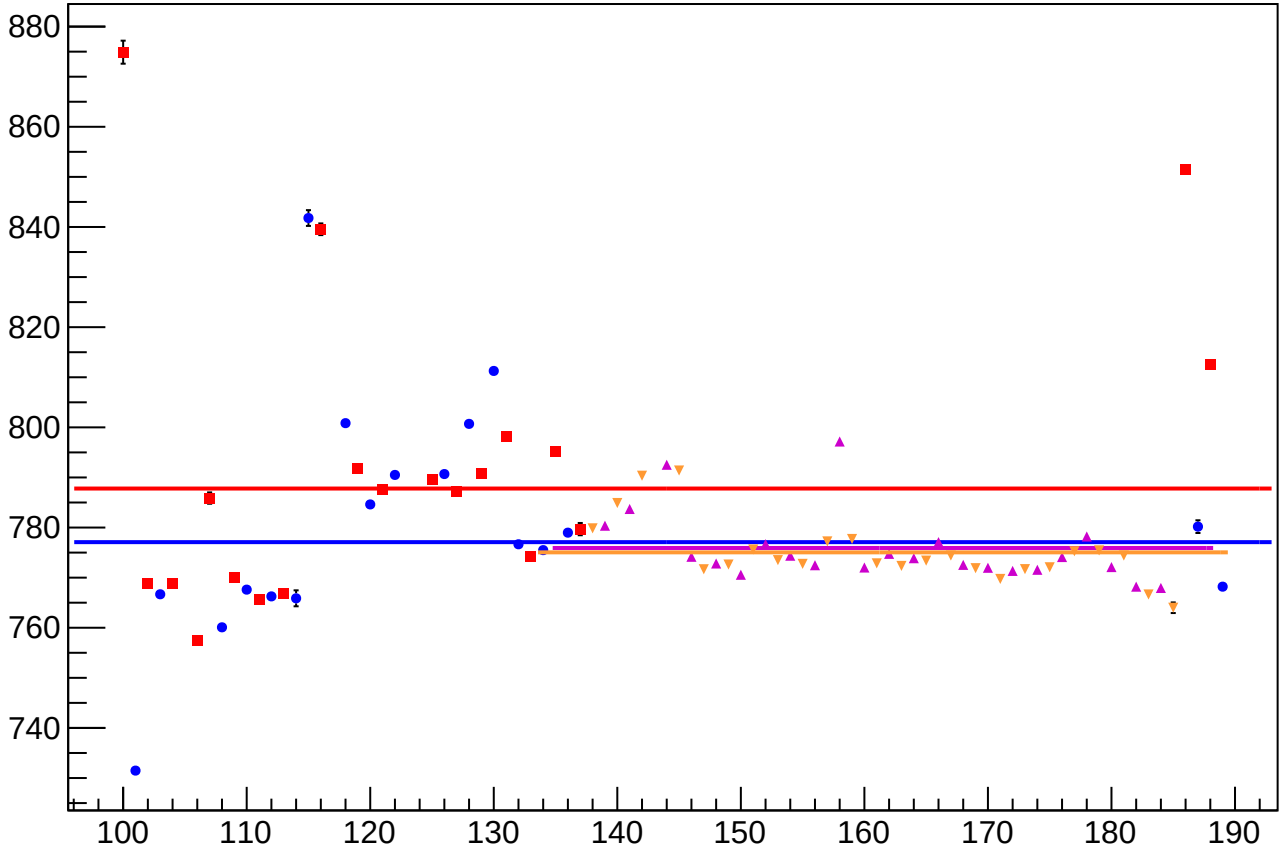
Right: -237.710+/-191.532 χ^2/NDF: 22.3/37

In: -310.843+/-151.351 χ^2/NDF:31.5/40

Out: -179.587+/-149.108 χ^2/NDF:28.9/43

All: -244.235+/-106.219 χ^2/NDF: 60.8/84

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

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

Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

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

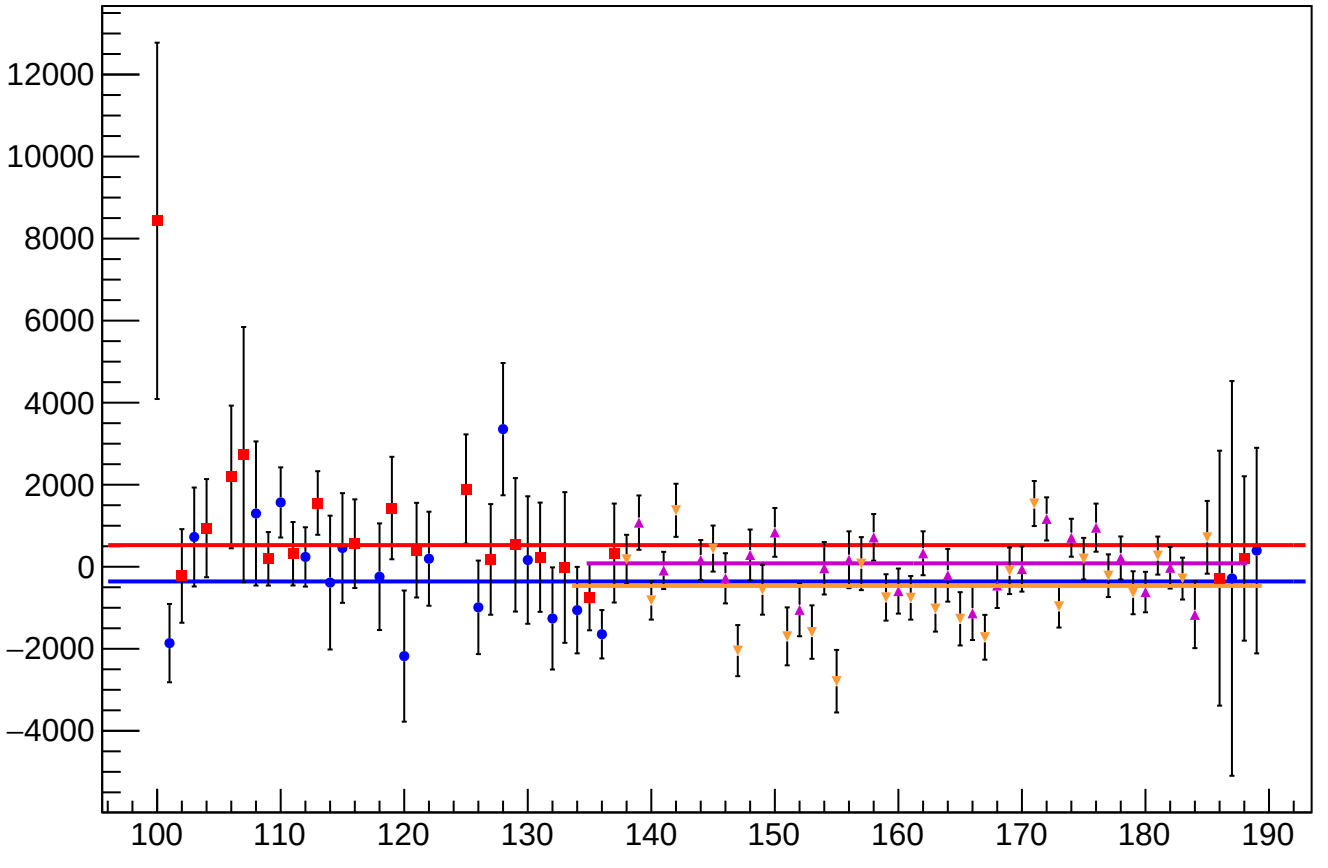
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 782.611+/-0.135 χ^2/NDF: 28696.6/37

In: 776.274+/-0.107 χ^2/NDF:15209.6/40

Out: 779.035+/-0.105 χ^2/NDF:20015.2/43

All: 777.675+/-0.075 χ^2/NDF: 35562.6/84



Right In: -358.267+/-264.799 χ^2/NDF: 23.4/17

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

Right Out: 527.521+/-259.761 χ^2/NDF: 11.8/19

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

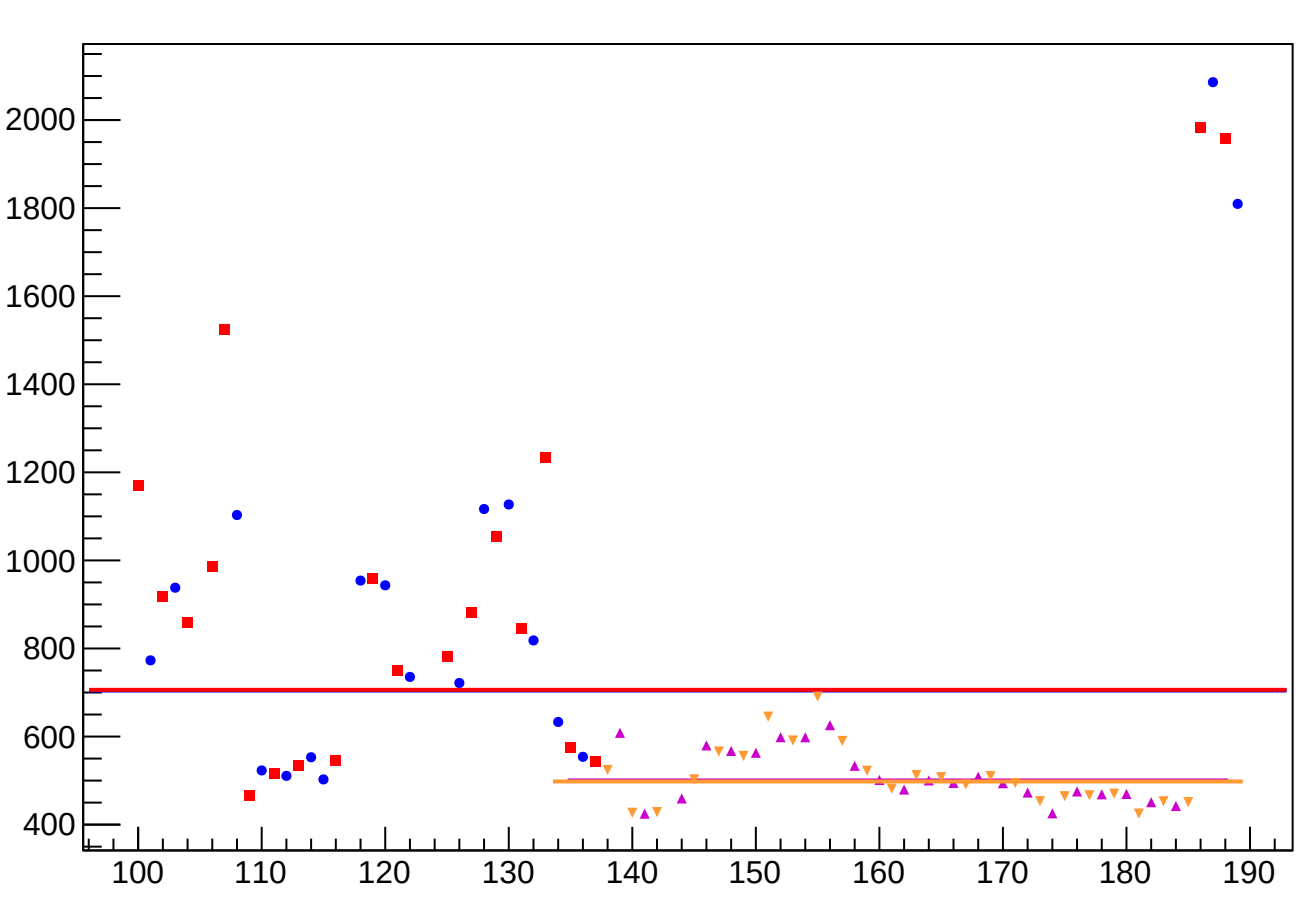
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 93.133+/-185.434 χ^2/NDF: 40.9/37

In: 10.219+/-107.636 χ^2/NDF:53.8/40

Out: -300.078+/-106.460 χ^2/NDF:88.4/43

All: -146.634+/-75.691 χ^2/NDF: 146.4/84



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

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

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

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

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

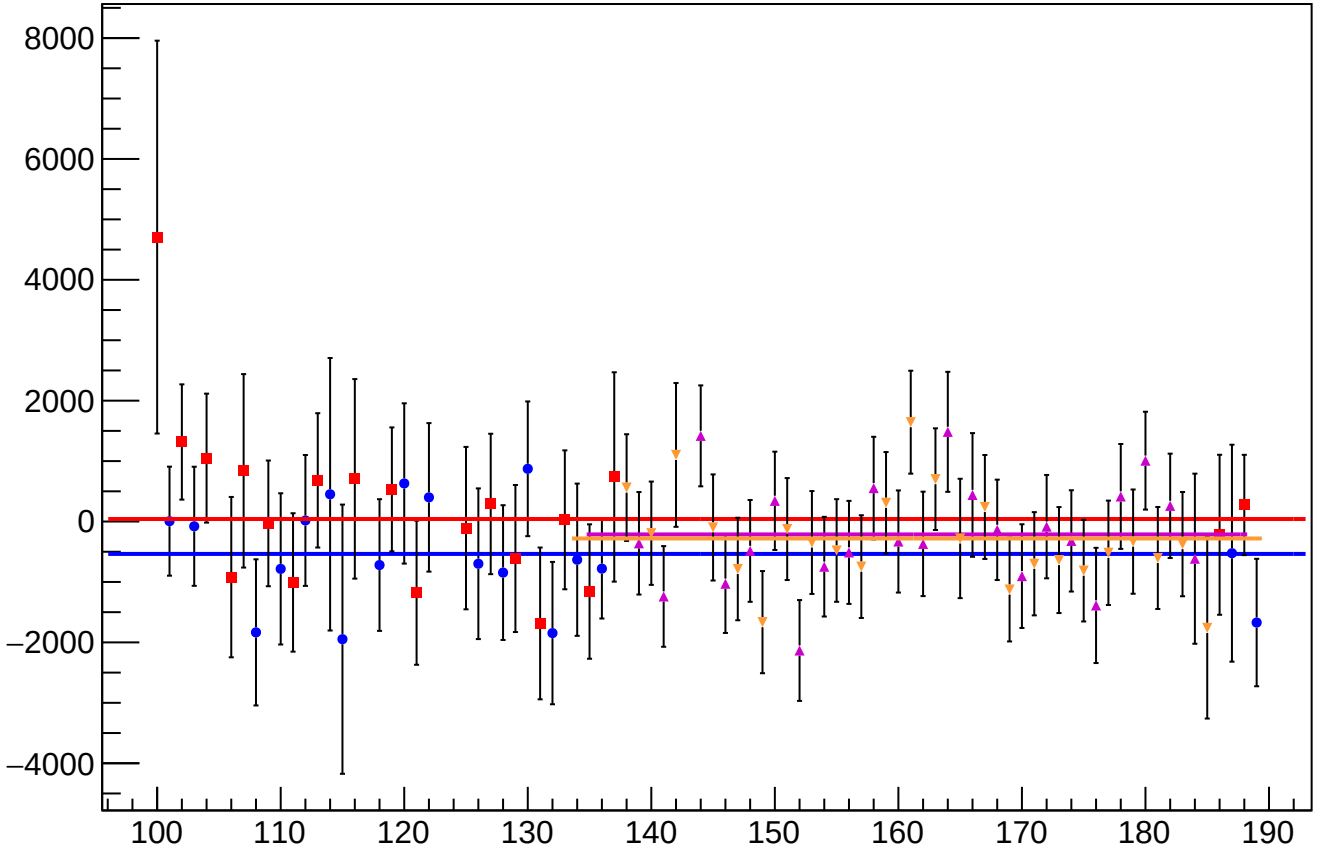
Right: 705.299+/-0.131 χ^2/NDF: 4051525.3/37

In: 534.042+/-0.076 χ^2/NDF:3063614.4/40

Out: 532.924+/-0.075 χ^2/NDF:4053029.9/43

All: 533.477+/-0.054 χ^2/NDF: 7116753.4/84

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

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

Right Out: 41.732+/-266.571 χ^2/NDF: 11.8/19

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

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

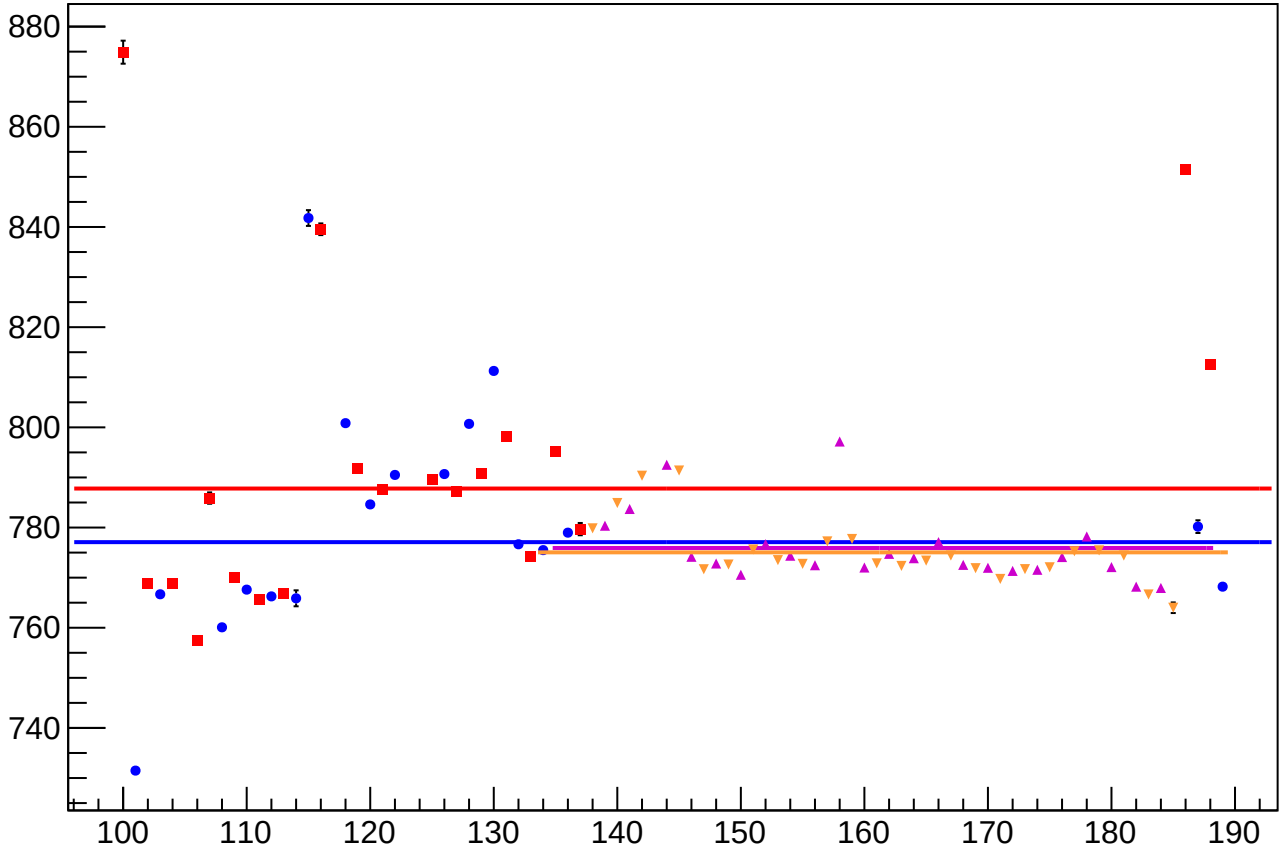
Right: -237.710+/-191.532 χ^2/NDF: 22.3/37

In: -310.843+/-151.351 χ^2/NDF:31.5/40

Out: -179.587+/-149.108 χ^2/NDF:28.9/43

All: -244.235+/-106.219 χ^2/NDF: 60.8/84

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

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

Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

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

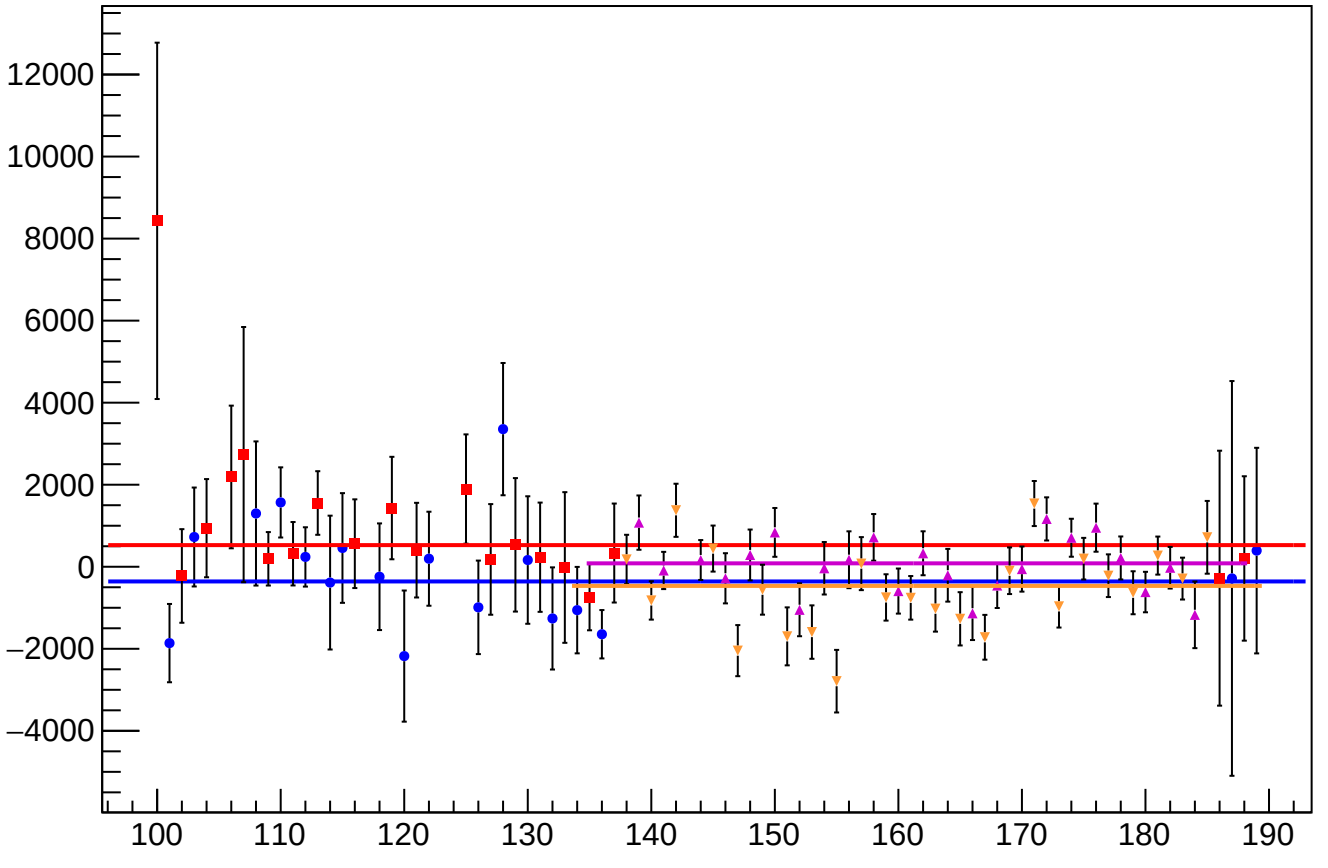
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 782.611+/-0.135 χ^2/NDF: 28696.6/37

In: 776.274+/-0.107 χ^2/NDF:15209.6/40

Out: 779.035+/-0.105 χ^2/NDF:20015.2/43

All: 777.675+/-0.075 χ^2/NDF: 35562.6/84



Right In: -358.267+/-264.799 χ^2/NDF: 23.4/17

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

Right Out: 527.521+/-259.761 χ^2/NDF: 11.8/19

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

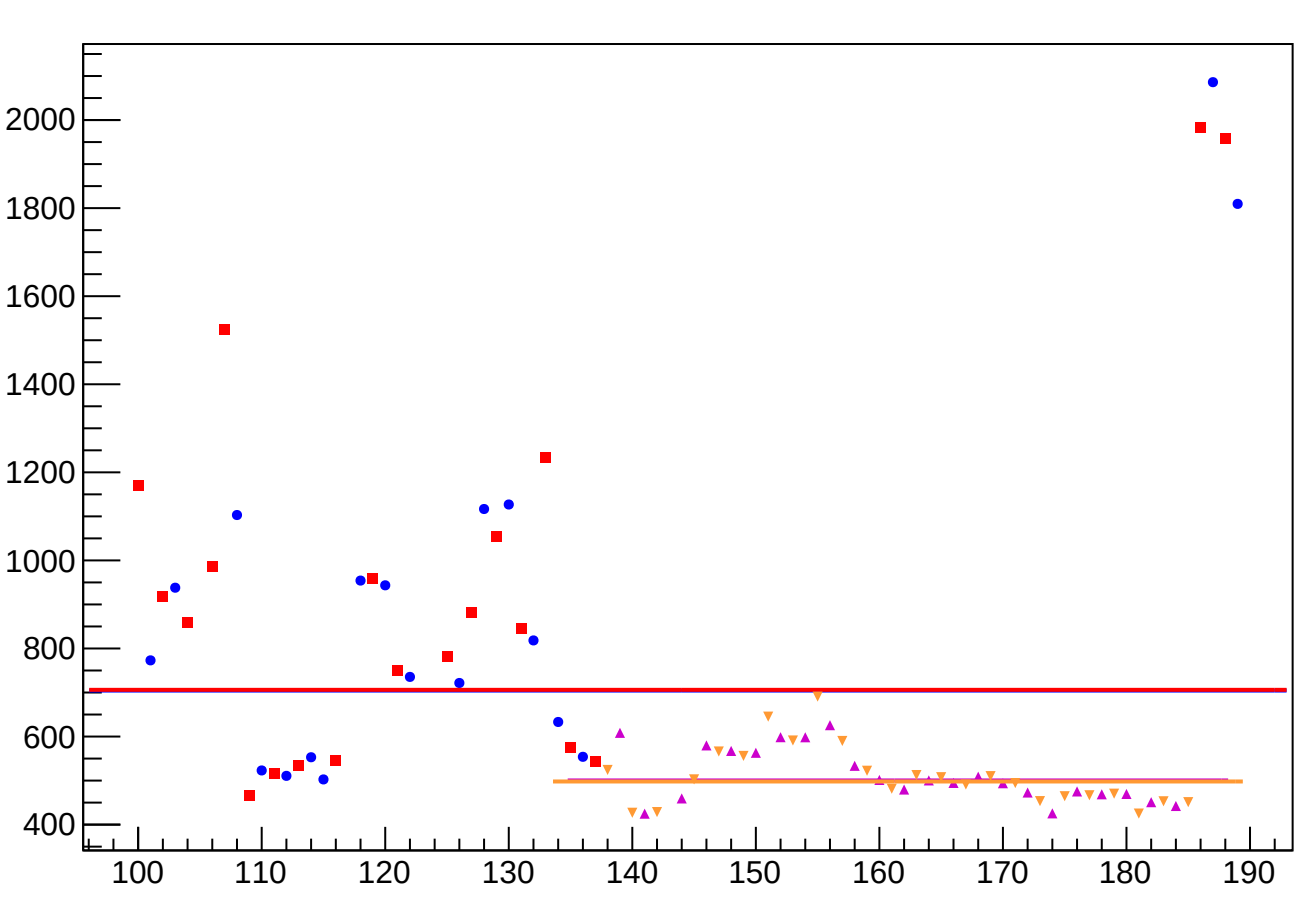
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 93.133+/-185.434 χ^2/NDF: 40.9/37

In: 10.219+/-107.636 χ^2/NDF:53.8/40

Out: -300.078+/-106.460 χ^2/NDF:88.4/43

All: -146.634+/-75.691 χ^2/NDF: 146.4/84



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

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

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

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

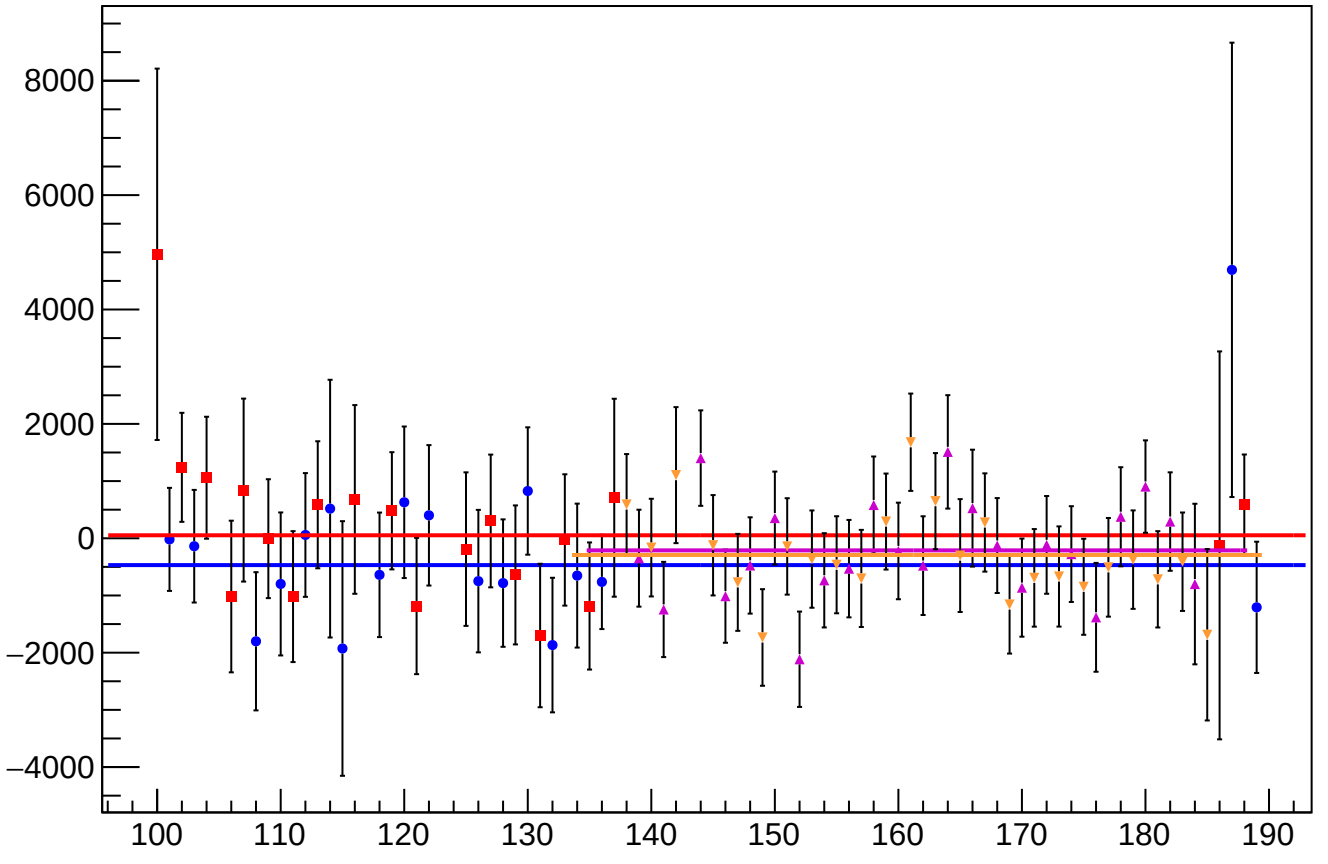
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 705.299+/-0.131 χ^2/NDF: 4051525.3/37

In: 534.042+/-0.076 χ^2/NDF:3063614.4/40

Out: 532.924+/-0.075 χ^2/NDF:4053029.9/43

All: 533.477+/-0.054 χ^2/NDF: 7116753.4/84



Right In: -468.897+/-279.252 χ^2/NDF: 8.9/17

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

Right Out: 52.562+/-272.478 χ^2/NDF: 12.3/19

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

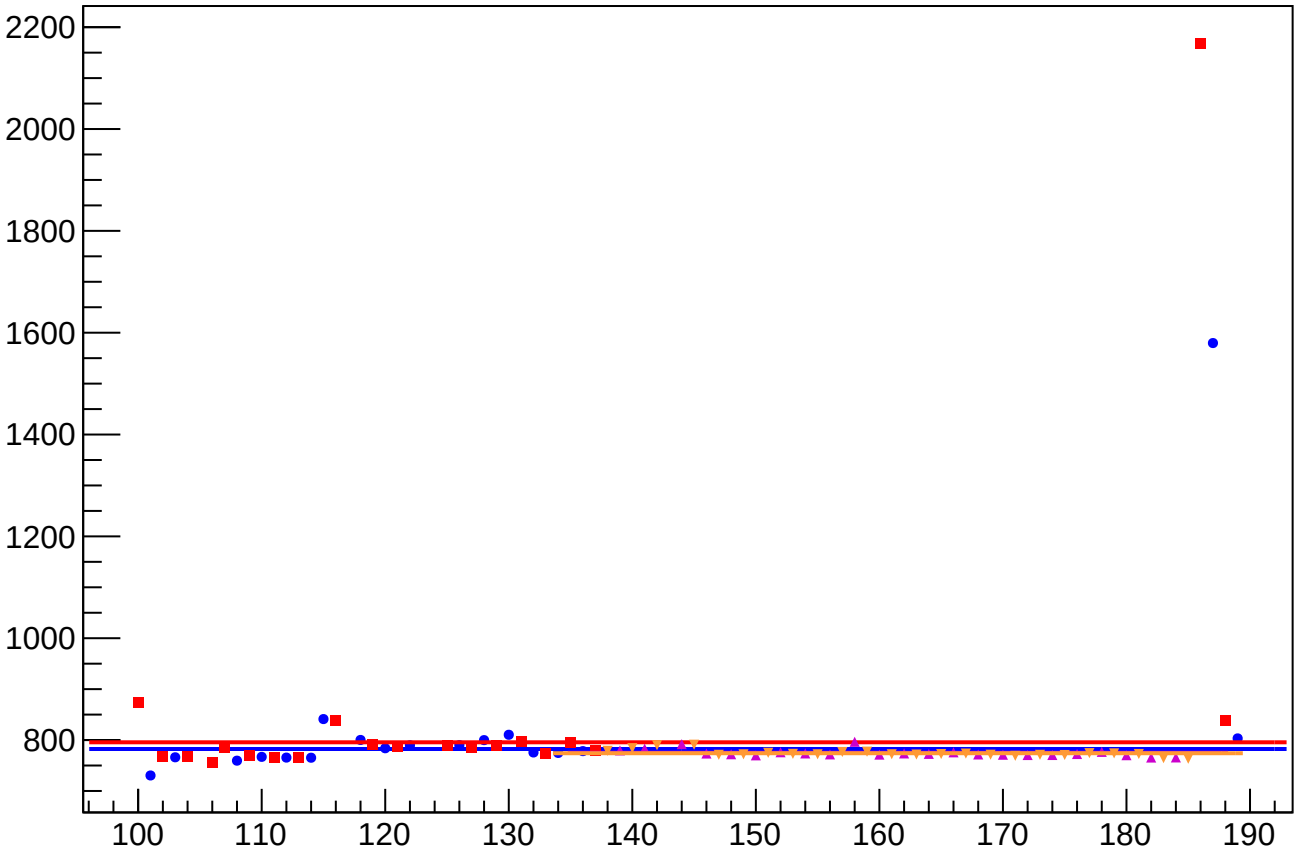
Left: -251.924+/-127.496 χ^2/NDF: 38.8/46

Right: -201.767+/-195.022 χ^2/NDF: 22.9/37

In: -287.432+/-151.857 χ^2/NDF:31.6/40

Out: -187.610+/-149.996 χ^2/NDF:30.0/43

All: -236.906+/-106.715 χ^2/NDF: 61.8/84



Right In: 782.441+/-0.197 χ^2/NDF: 94078.8/17

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

Right Out: 795.597+/-0.193 χ^2/NDF: 344651.9/19

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

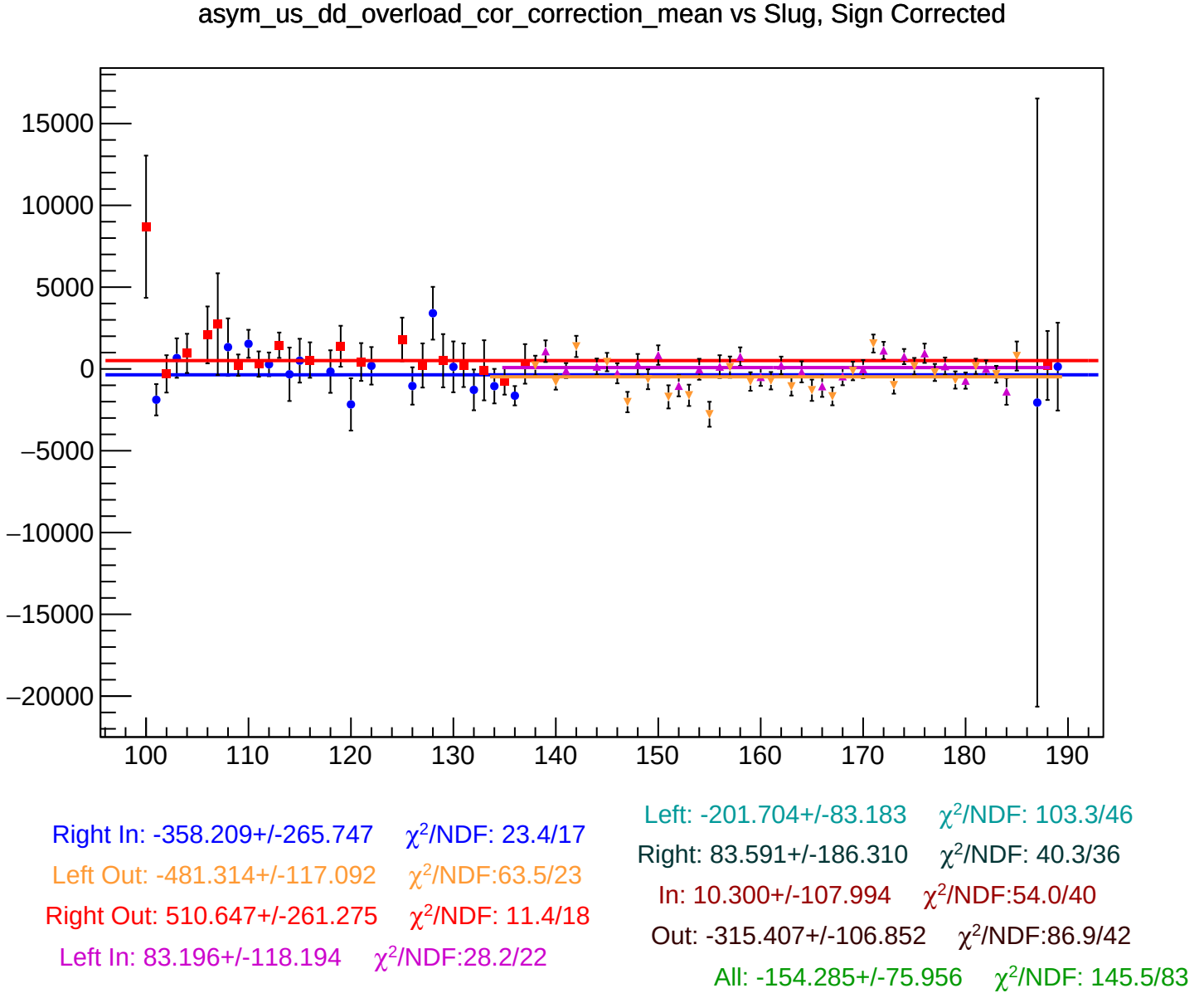
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

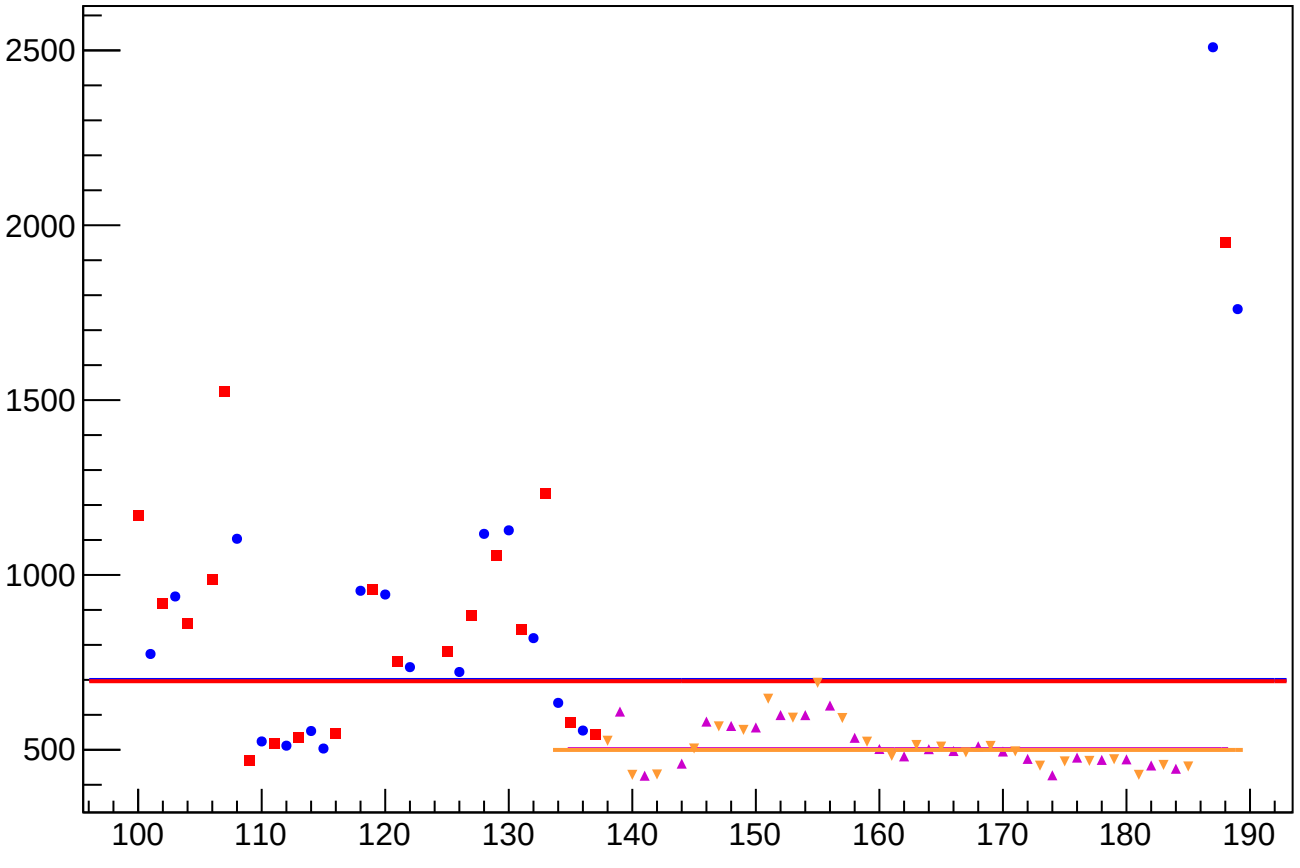
Right: 789.180+/-0.138 χ^2/NDF: 441004.5/37

In: 777.193+/-0.107 χ^2/NDF:98229.9/40

Out: 780.643+/-0.106 χ^2/NDF:355354.5/43

All: 778.939+/-0.075 χ^2/NDF: 454107.0/84


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -358.209+/-265.747 χ²/NDF: 23.4/17
Left Out: -481.314+/-117.092 χ²/NDF:63.5/23
Right Out: 510.647+/-261.275 χ²/NDF: 11.4/18
Left In: 83.196+/-118.194 χ²/NDF:28.2/22
Left: -201.704+/-83.183 χ²/NDF: 103.3/46
Right: 83.591+/-186.310 χ²/NDF: 40.3/36
In: 10.300+/-107.994 χ²/NDF:54.0/40
Out: -315.407+/-106.852 χ²/NDF:86.9/42
All: -154.285+/-75.956 χ²/NDF: 145.5/83



Right In: 699.690+/-0.188 χ^2/NDF: 1362224.3/17

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

Right Out: 696.126+/-0.185 χ^2/NDF: 2027319.7/18

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

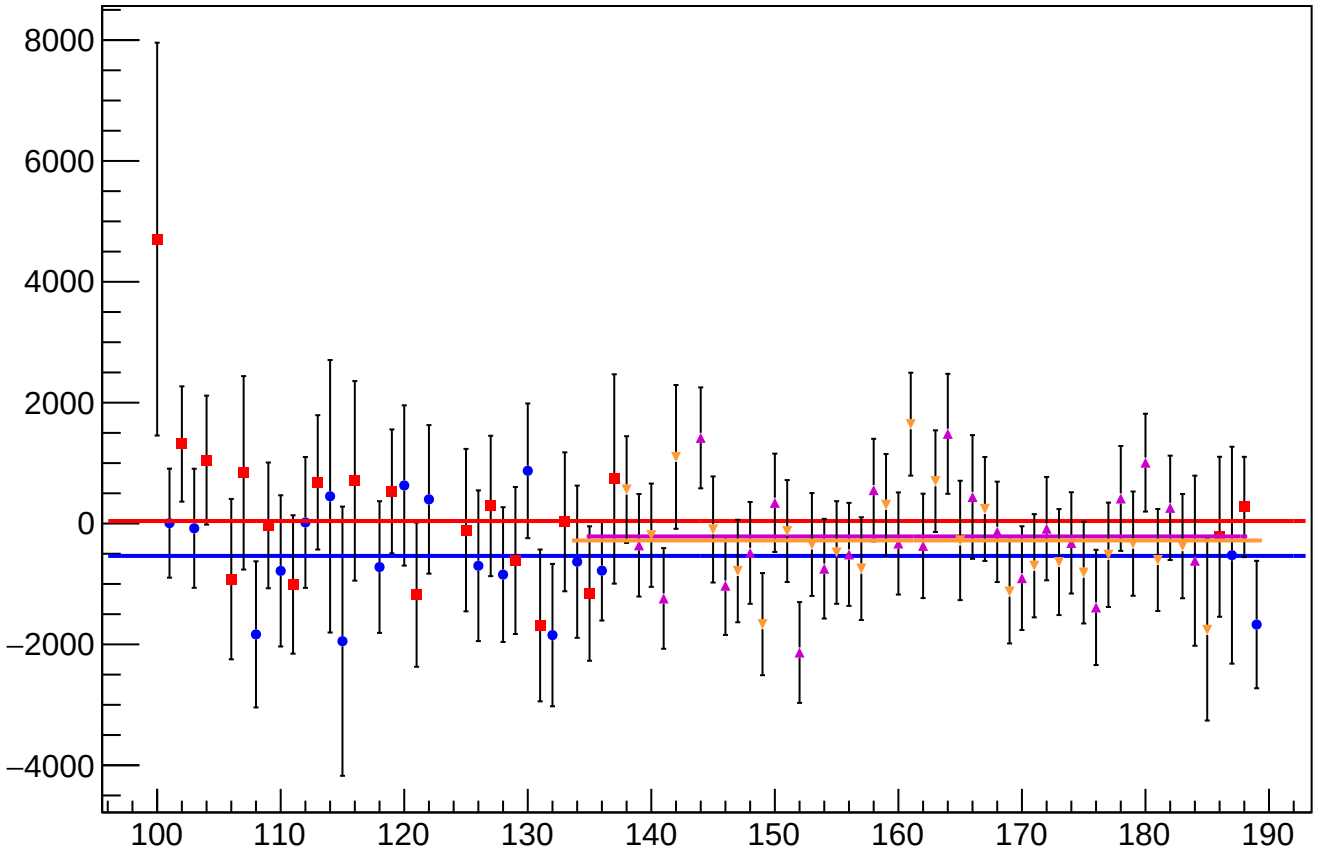
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 697.878+/-0.132 χ^2/NDF: 3389726.9/36

In: 534.669+/-0.076 χ^2/NDF:2753435.7/40

Out: 532.527+/-0.076 χ^2/NDF:3485264.5/42

All: 533.587+/-0.054 χ^2/NDF: 6239097.7/83



Right In: -535.922+/-275.377 χ^2/NDF: 8.2/17

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

Right Out: 41.732+/-266.571 χ^2/NDF: 11.8/19

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

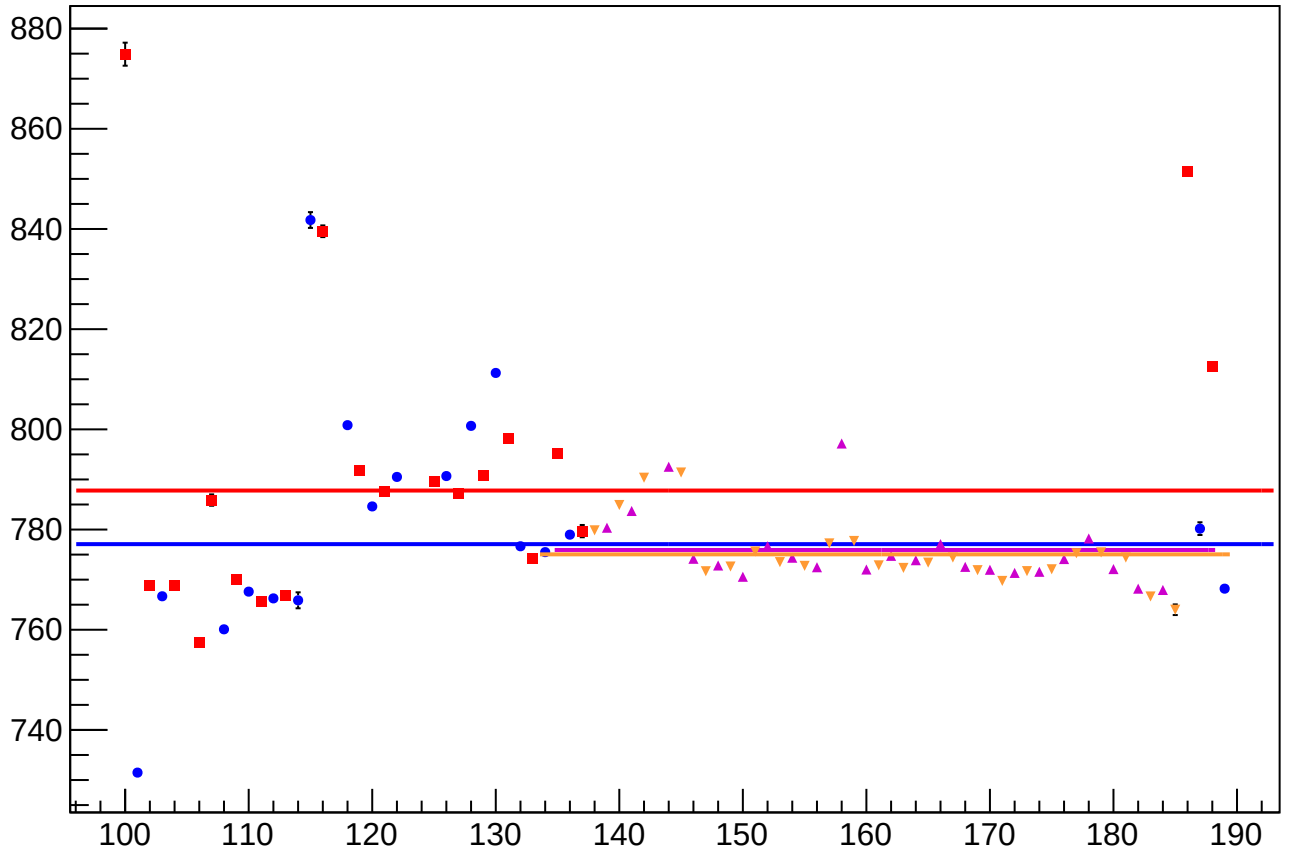
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -237.710+/-191.532 χ^2/NDF: 22.3/37

In: -310.843+/-151.351 χ^2/NDF:31.5/40

Out: -179.587+/-149.108 χ^2/NDF:28.9/43

All: -244.235+/-106.219 χ^2/NDF: 60.8/84



Right In: 777.087+/-0.195 χ^2/NDF: 12211.7/17

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

Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

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

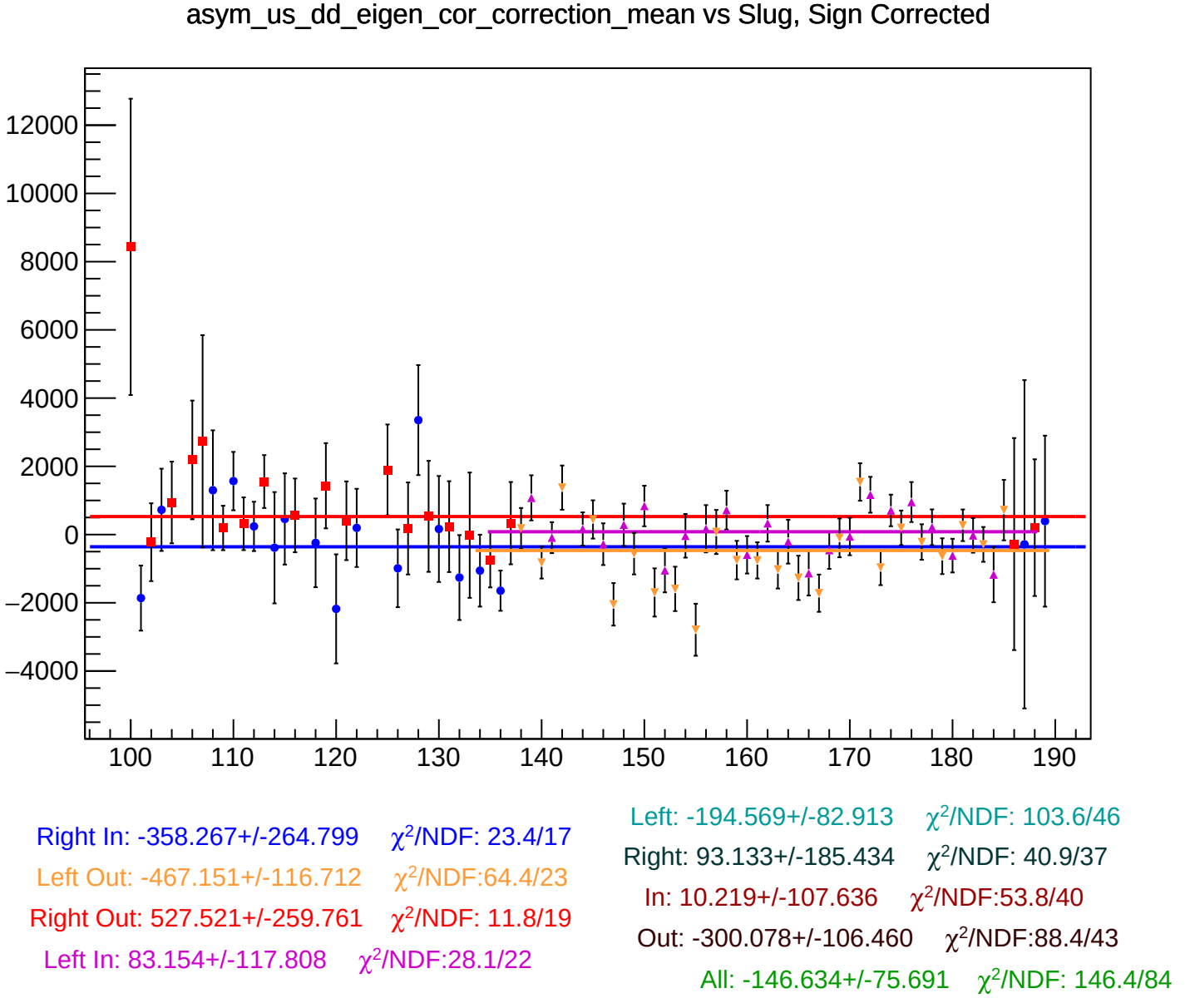
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 782.611+/-0.135 χ^2/NDF: 28696.6/37

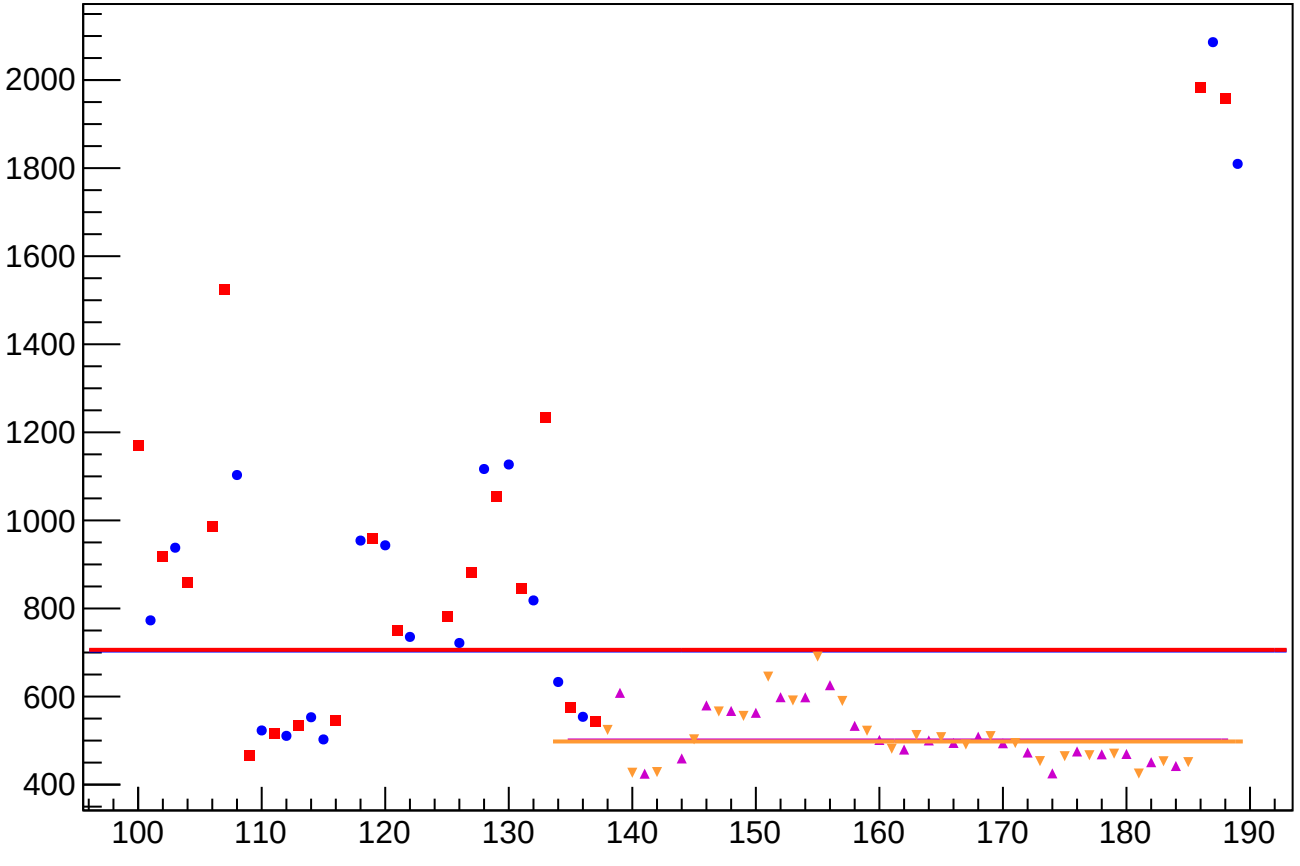
In: 776.274+/-0.107 χ^2/NDF:15209.6/40

Out: 779.035+/-0.105 χ^2/NDF:20015.2/43

All: 777.675+/-0.075 χ^2/NDF: 35562.6/84


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -358.267+/-264.799 χ²/NDF: 23.4/17
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 527.521+/-259.761 χ²/NDF: 11.8/19
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 93.133+/-185.434 χ²/NDF: 40.9/37
In: 10.219+/-107.636 χ²/NDF:53.8/40
Out: -300.078+/-106.460 χ²/NDF:88.4/43
All: -146.634+/-75.691 χ²/NDF: 146.4/84

asym_us_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 704.478+/-0.187 χ^2/NDF: 1593666.0/17

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

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

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

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

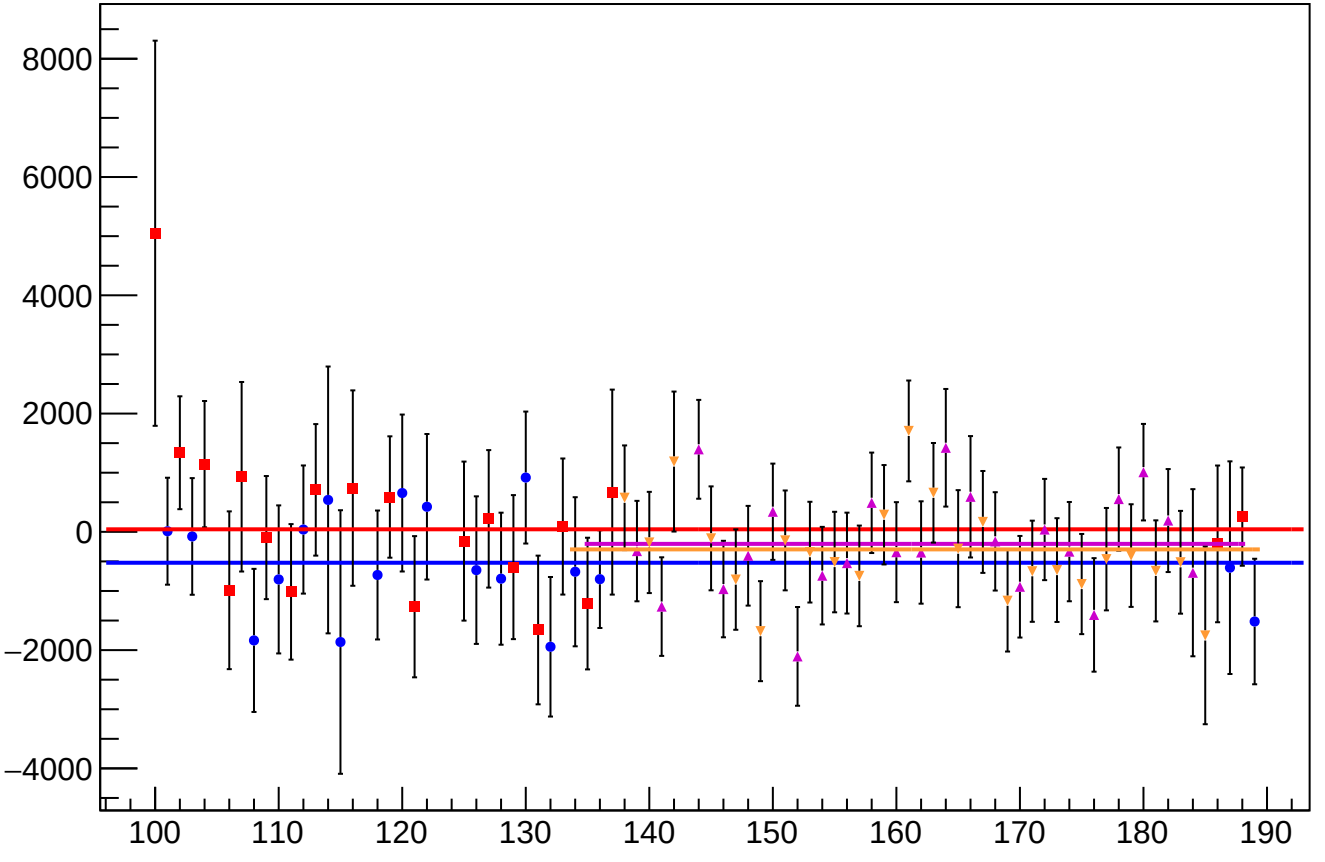
Right: 705.299+/-0.131 χ^2/NDF: 4051525.3/37

In: 534.042+/-0.076 χ^2/NDF:3063614.4/40

Out: 532.924+/-0.075 χ^2/NDF:4053029.9/43

All: 533.477+/-0.054 χ^2/NDF: 7116753.4/84

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -522.634+/-275.758 χ^2/NDF: 8.2/17

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

Right Out: 42.970+/-266.850 χ^2/NDF: 12.7/19

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

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

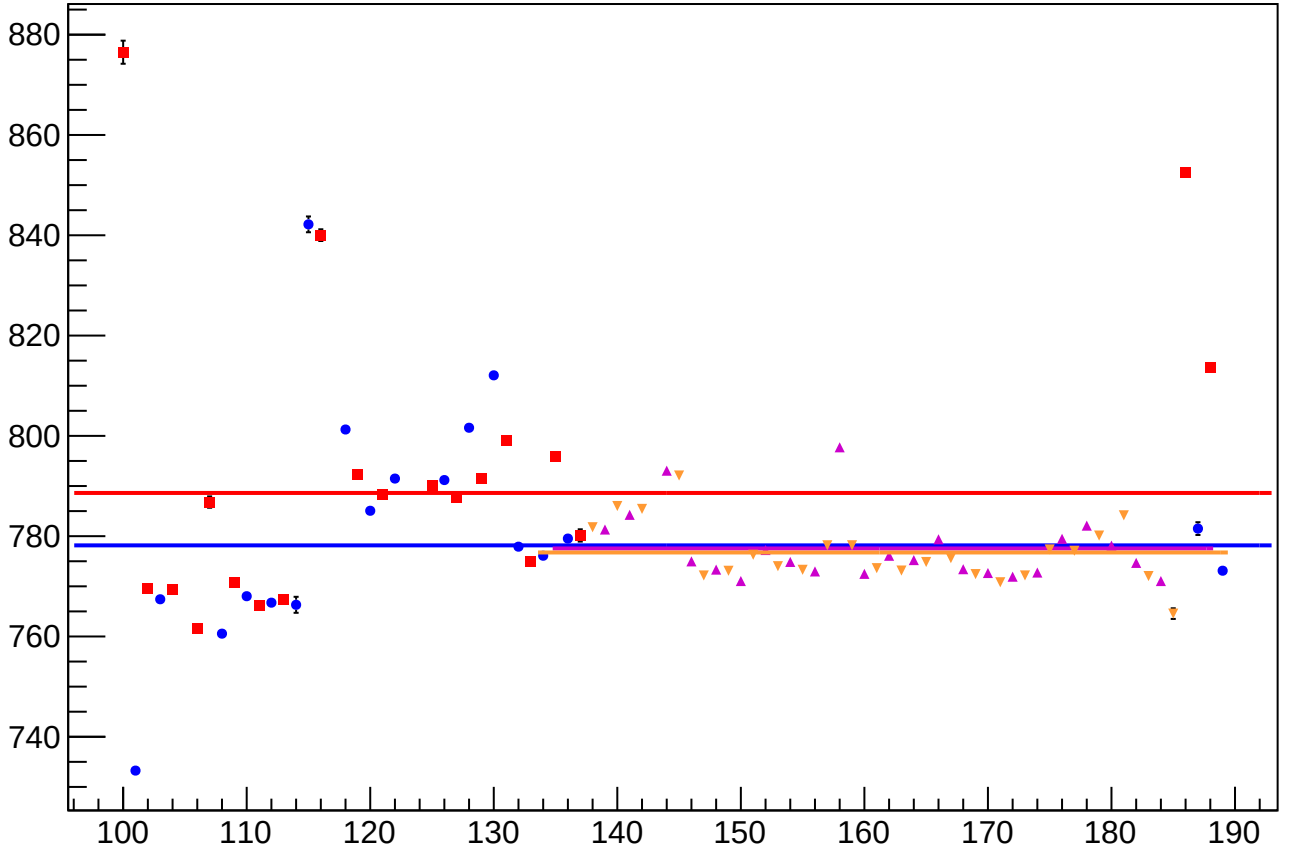
Right: -230.550+/-191.763 χ^2/NDF: 23.1/37

In: -299.886+/-151.636 χ^2/NDF:31.3/40

Out: -190.302+/-149.384 χ^2/NDF:30.5/43

All: -244.275+/-106.418 χ^2/NDF: 62.1/84

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 778.167+/-0.195 χ^2/NDF: 11849.5/17

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

Right Out: 788.619+/-0.189 χ^2/NDF: 14822.6/19

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

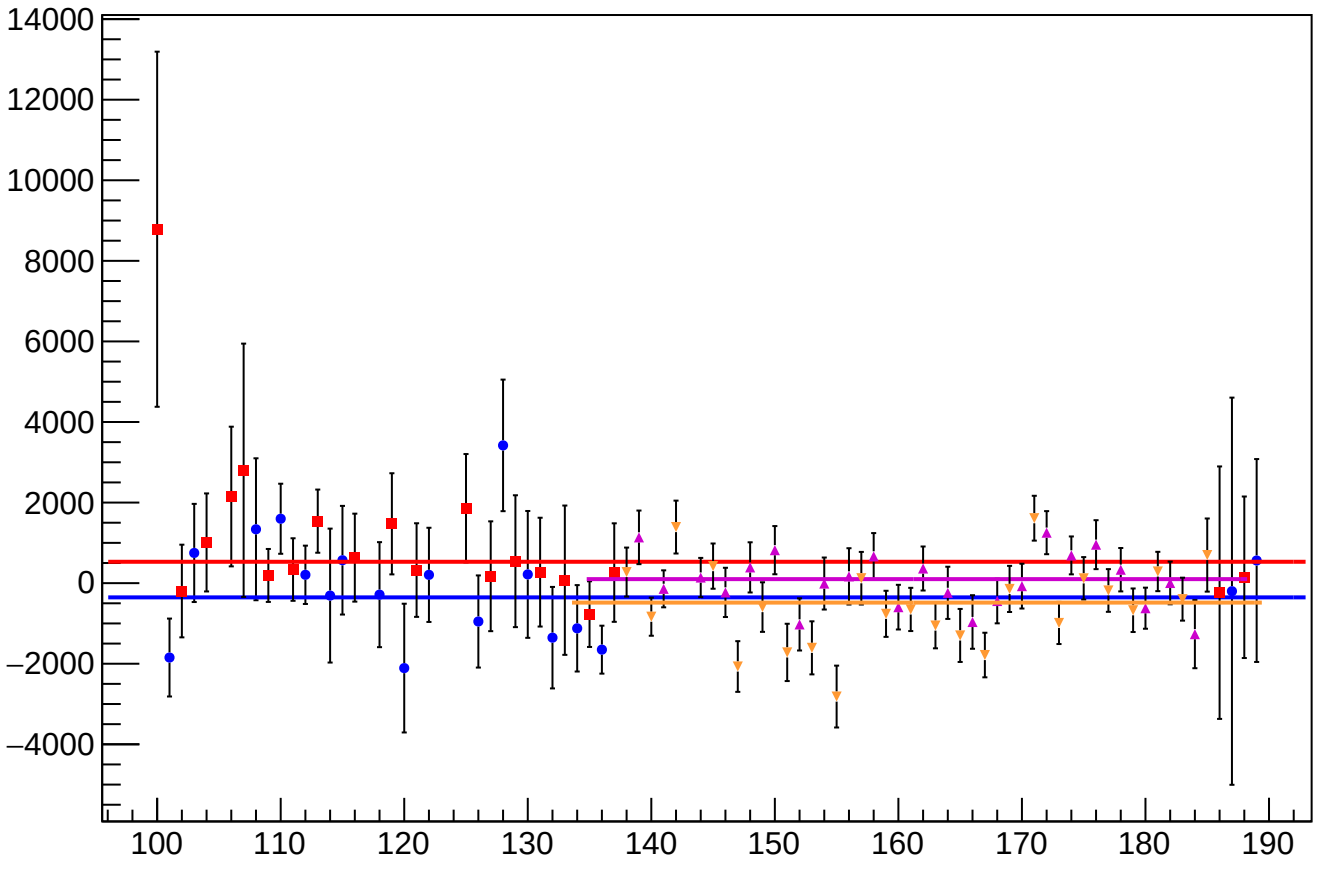
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 783.564+/-0.136 χ^2/NDF: 28155.8/37

In: 777.736+/-0.107 χ^2/NDF:14607.2/40

Out: 780.470+/-0.106 χ^2/NDF:19365.1/43

All: 779.124+/-0.075 χ^2/NDF: 34302.2/84



Right In: -353.030+/-267.374 χ^2/NDF: 23.4/17

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

Right Out: 530.643+/-262.059 χ^2/NDF: 11.9/19

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

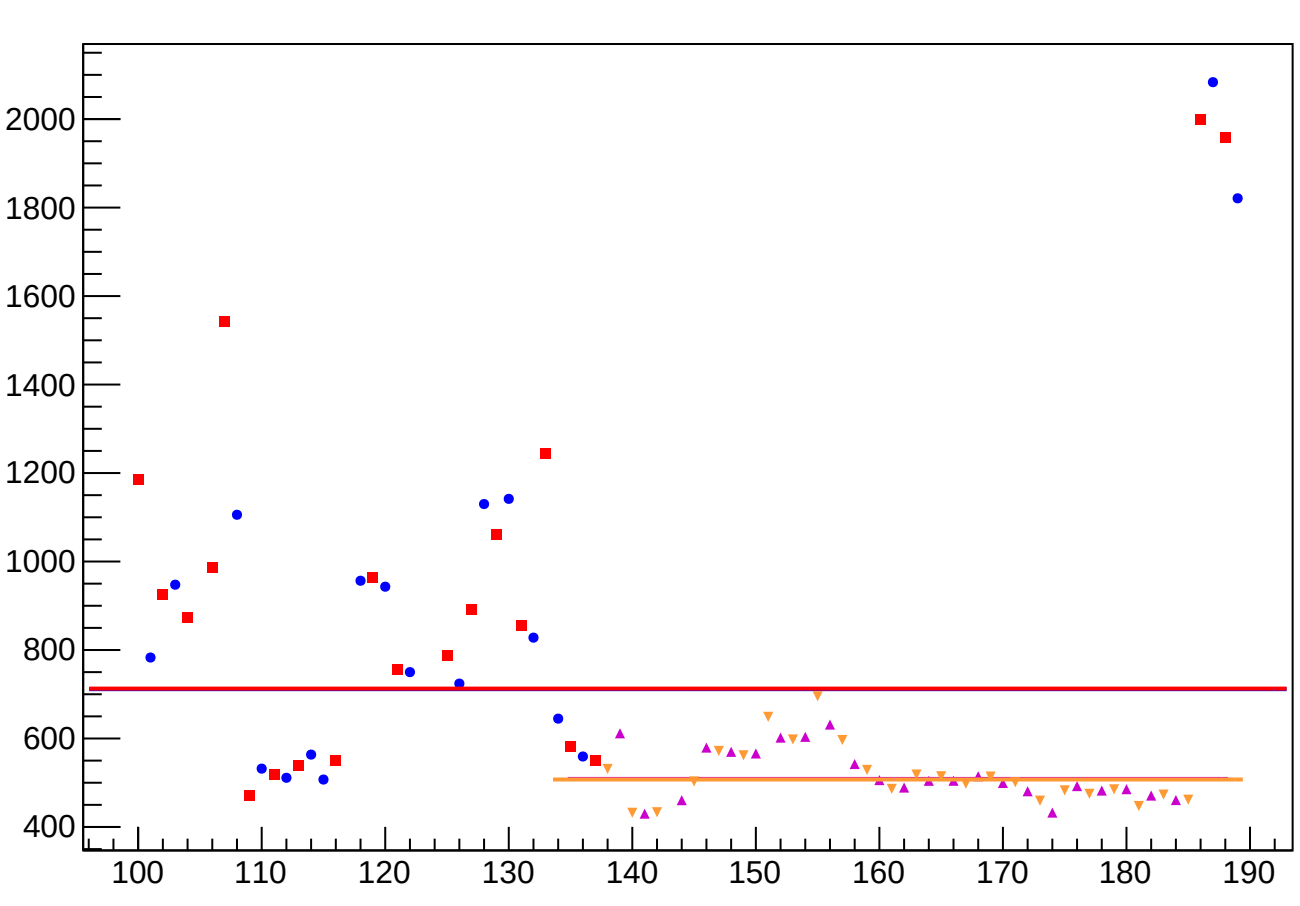
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 97.676+/-187.154 χ^2/NDF: 40.9/37

In: 24.374+/-109.234 χ^2/NDF:53.2/40

Out: -310.090+/-108.205 χ^2/NDF:89.4/43

All: -144.440+/-76.874 χ^2/NDF: 147.4/84



Right In: 711.522+/-0.189 χ^2/NDF: 1589121.9/17

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

Right Out: 712.781+/-0.185 χ^2/NDF: 2448198.2/19

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

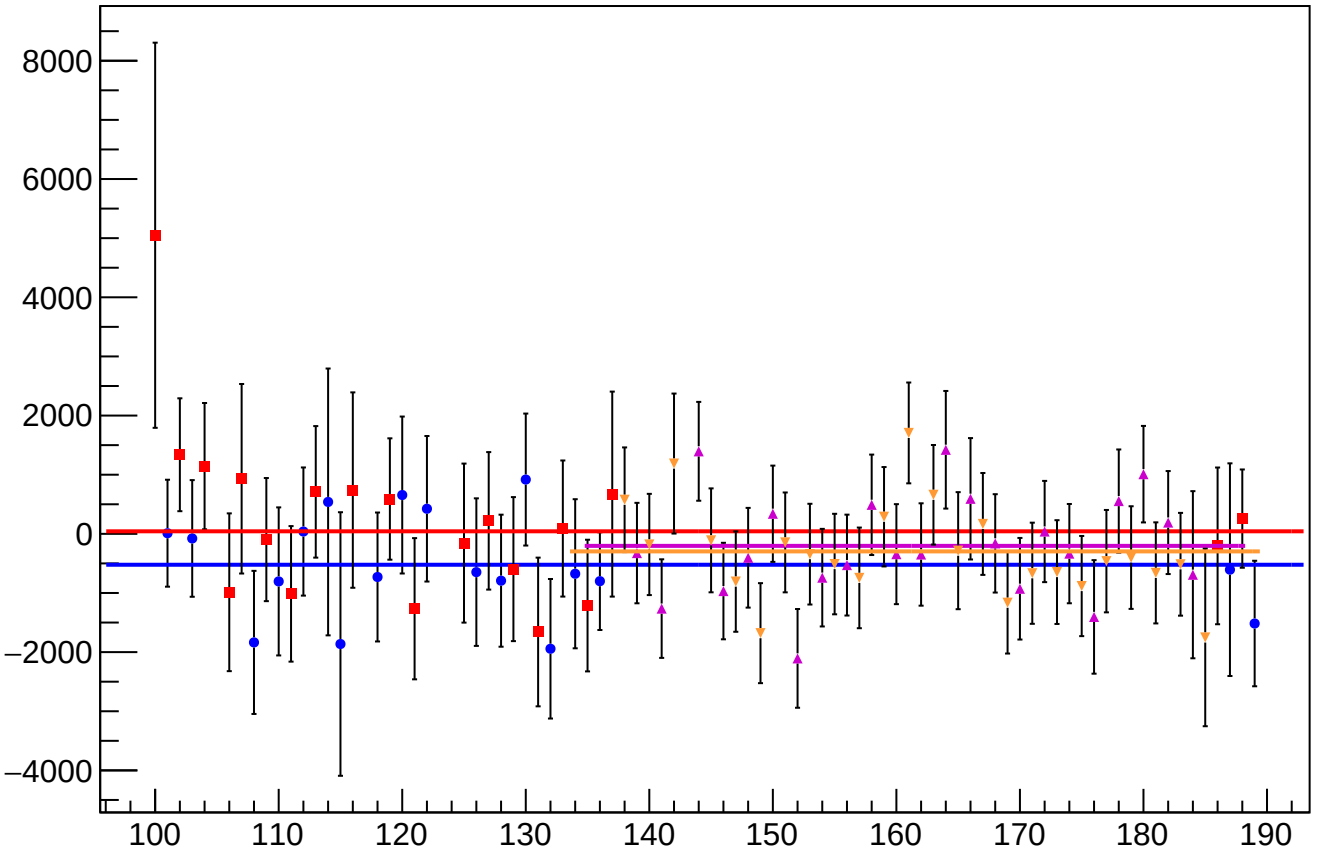
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 712.164+/-0.132 χ^2/NDF: 4037342.7/37

In: 542.501+/-0.077 χ^2/NDF:2980928.5/40

Out: 542.348+/-0.077 χ^2/NDF:3941984.8/43

All: 542.424+/-0.054 χ^2/NDF: 6922915.3/84



Right In: -522.635+/-275.758 χ^2/NDF: 8.2/17

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

Right Out: 42.969+/-266.850 χ^2/NDF: 12.7/19

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

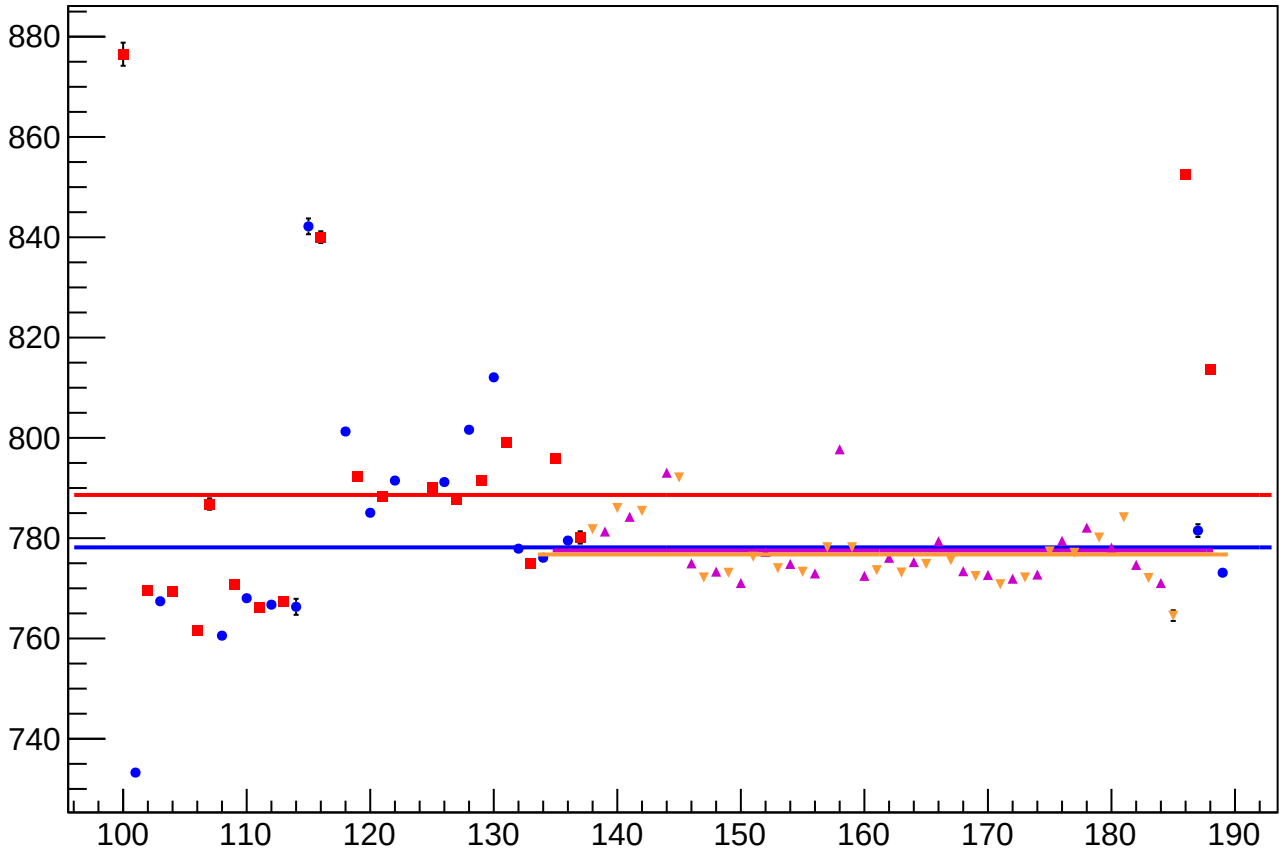
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -230.550+/-191.763 χ^2/NDF: 23.1/37

In: -299.886+/-151.636 χ^2/NDF:31.3/40

Out: -190.302+/-149.384 χ^2/NDF:30.5/43

All: -244.275+/-106.418 χ^2/NDF: 62.1/84



Right In: 778.167+/-0.195 χ^2/NDF: 11849.4/17

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

Right Out: 788.619+/-0.189 χ^2/NDF: 14822.6/19

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

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

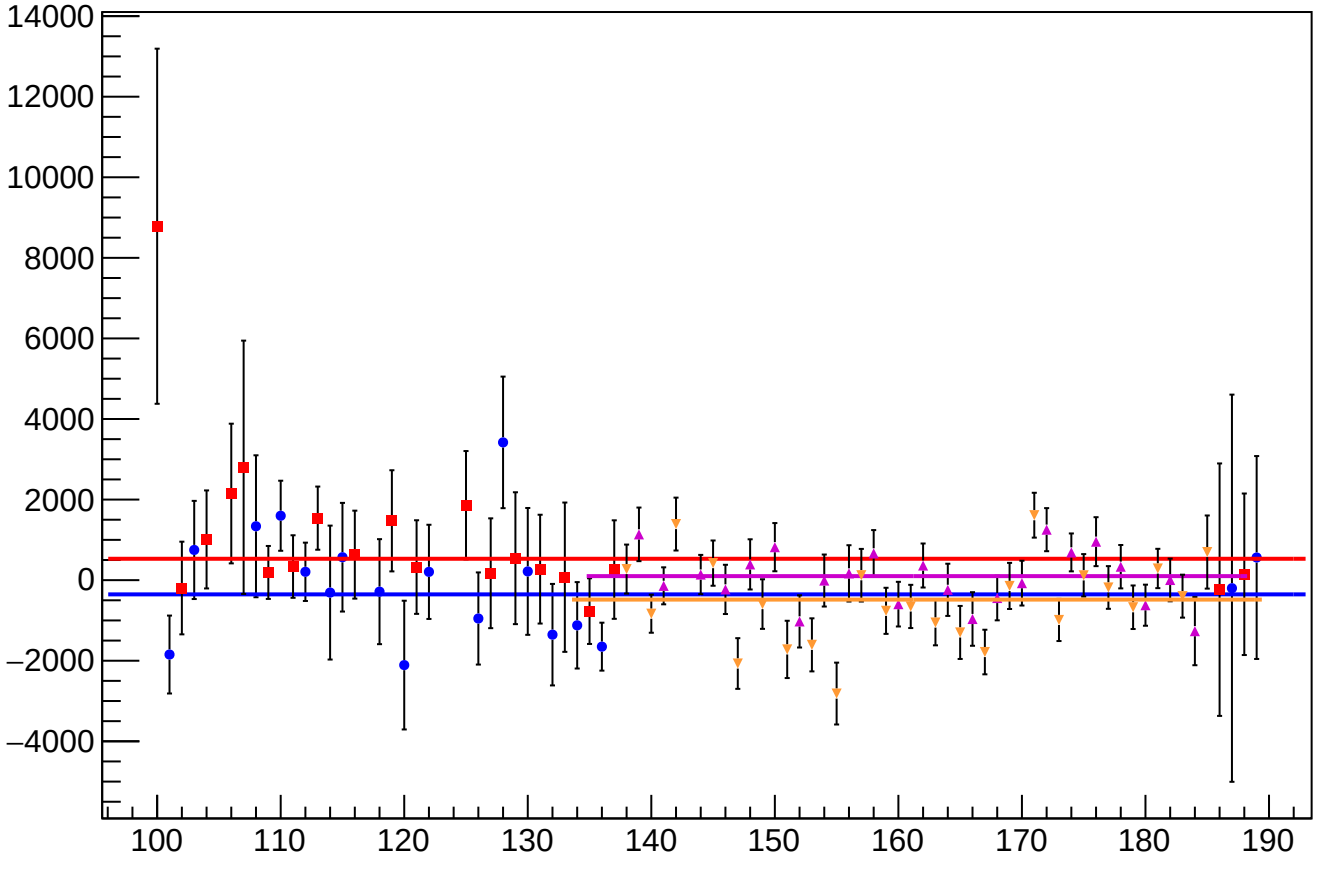
Right: 783.564+/-0.136 χ^2/NDF: 28155.8/37

In: 777.736+/-0.107 χ^2/NDF:14607.2/40

Out: 780.470+/-0.106 χ^2/NDF:19365.1/43

All: 779.124+/-0.075 χ^2/NDF: 34302.1/84

asym_us_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -353.026+/-267.372 χ^2/NDF: 23.4/17

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

Right Out: 530.642+/-262.058 χ^2/NDF: 11.9/19

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

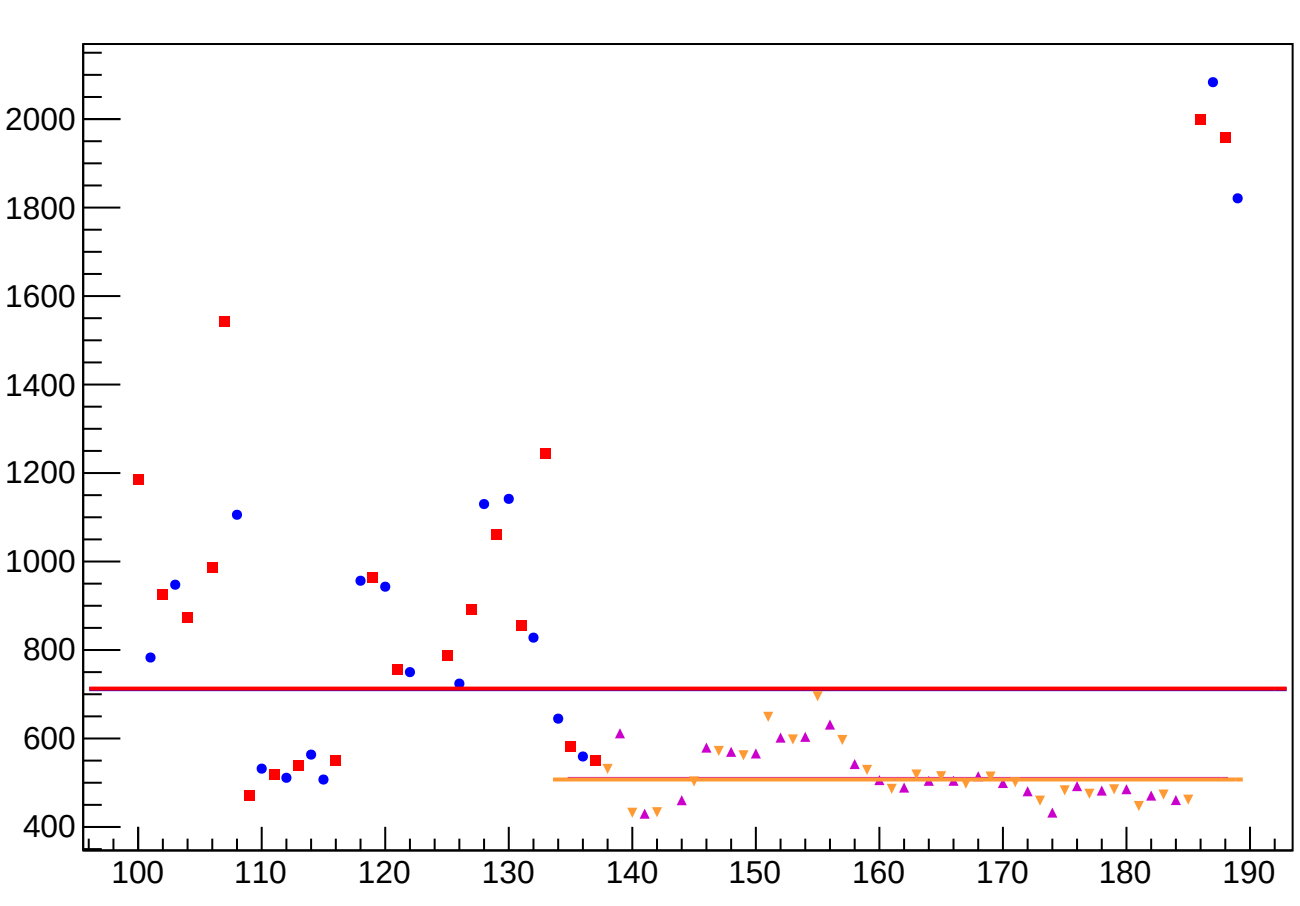
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 97.678+/-187.154 χ^2/NDF: 40.9/37

In: 24.374+/-109.233 χ^2/NDF:53.2/40

Out: -310.089+/-108.205 χ^2/NDF:89.4/43

All: -144.440+/-76.874 χ^2/NDF: 147.4/84



Right In: 711.519+/-0.189 χ^2/NDF: 1589136.6/17

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

Right Out: 712.777+/-0.185 χ^2/NDF: 2448221.6/19

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

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

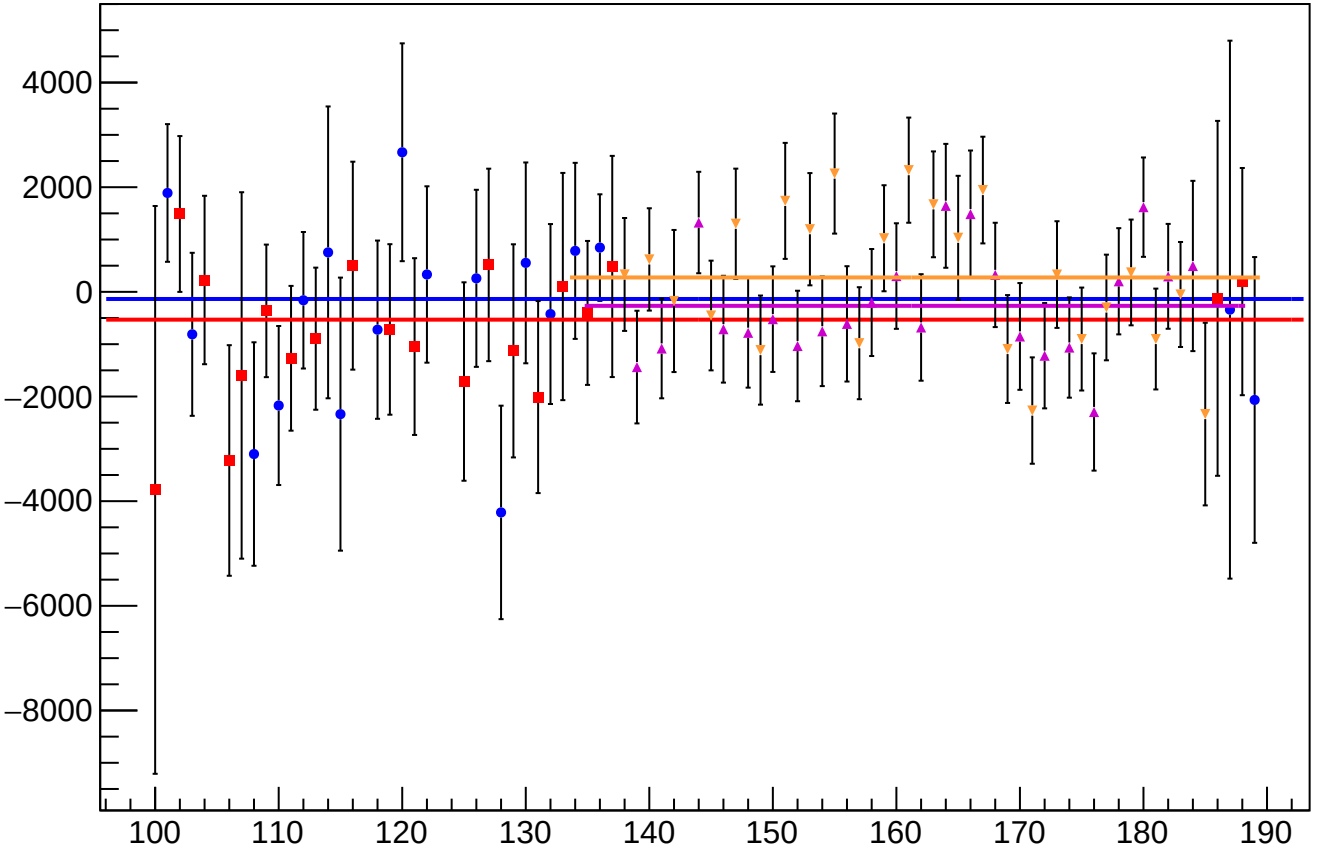
Right: 712.161+/-0.132 χ^2/NDF: 4037380.7/37

In: 542.501+/-0.077 χ^2/NDF:2980931.4/40

Out: 542.348+/-0.077 χ^2/NDF:3941989.2/43

All: 542.423+/-0.054 χ^2/NDF: 6922922.6/84

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -136.096+/-404.158 χ^2/NDF: 15.0/17

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

Right Out: -531.160+/-401.519 χ^2/NDF: 6.7/19

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

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

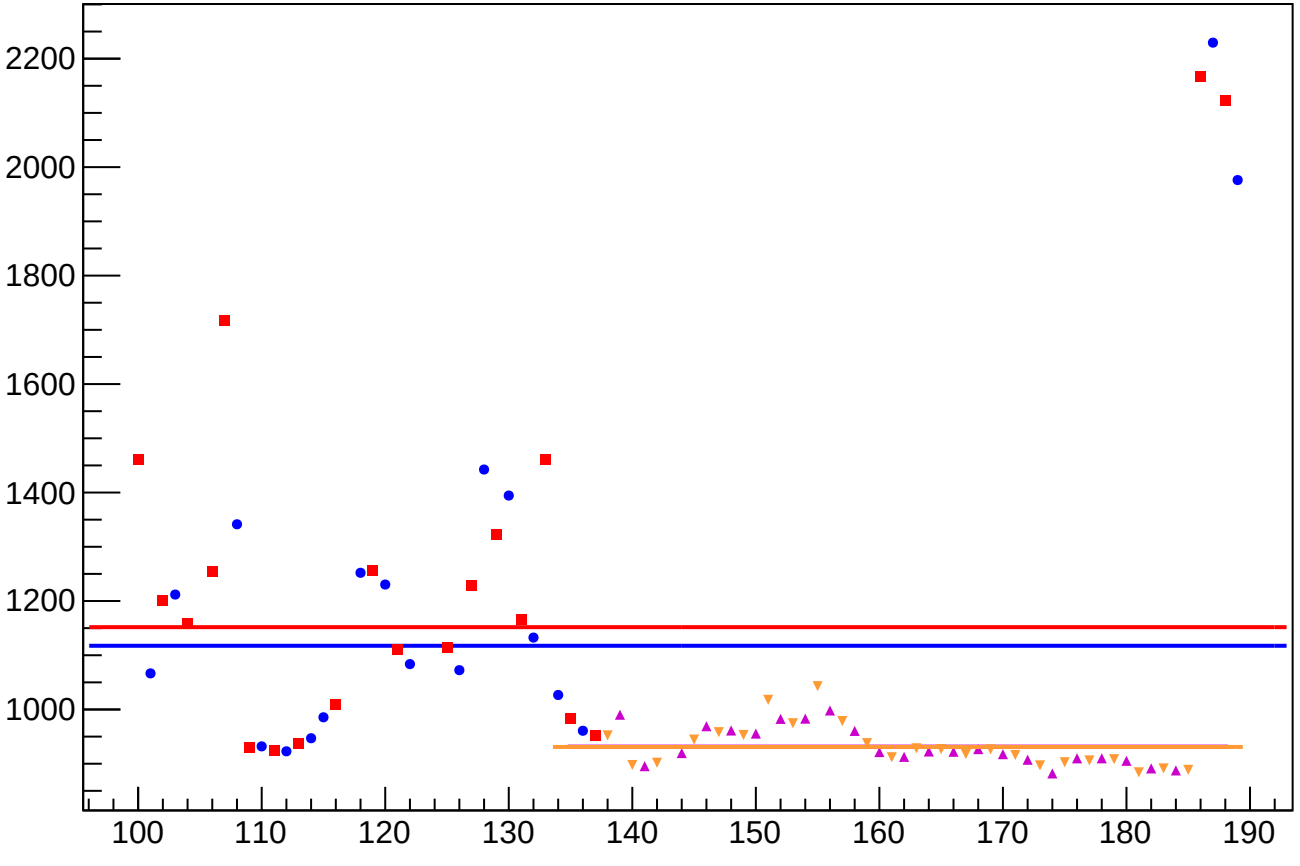
Right: -334.922+/-284.845 χ^2/NDF: 22.2/37

In: -237.610+/-191.653 χ^2/NDF:36.5/40

Out: 93.827+/-190.420 χ^2/NDF:43.4/43

All: -70.821+/-135.081 χ^2/NDF: 81.4/84

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1117.470+/-0.286 χ^2/NDF: 577014.7/17

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

Right Out: 1151.787+/-0.284 χ^2/NDF: 936466.1/19

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

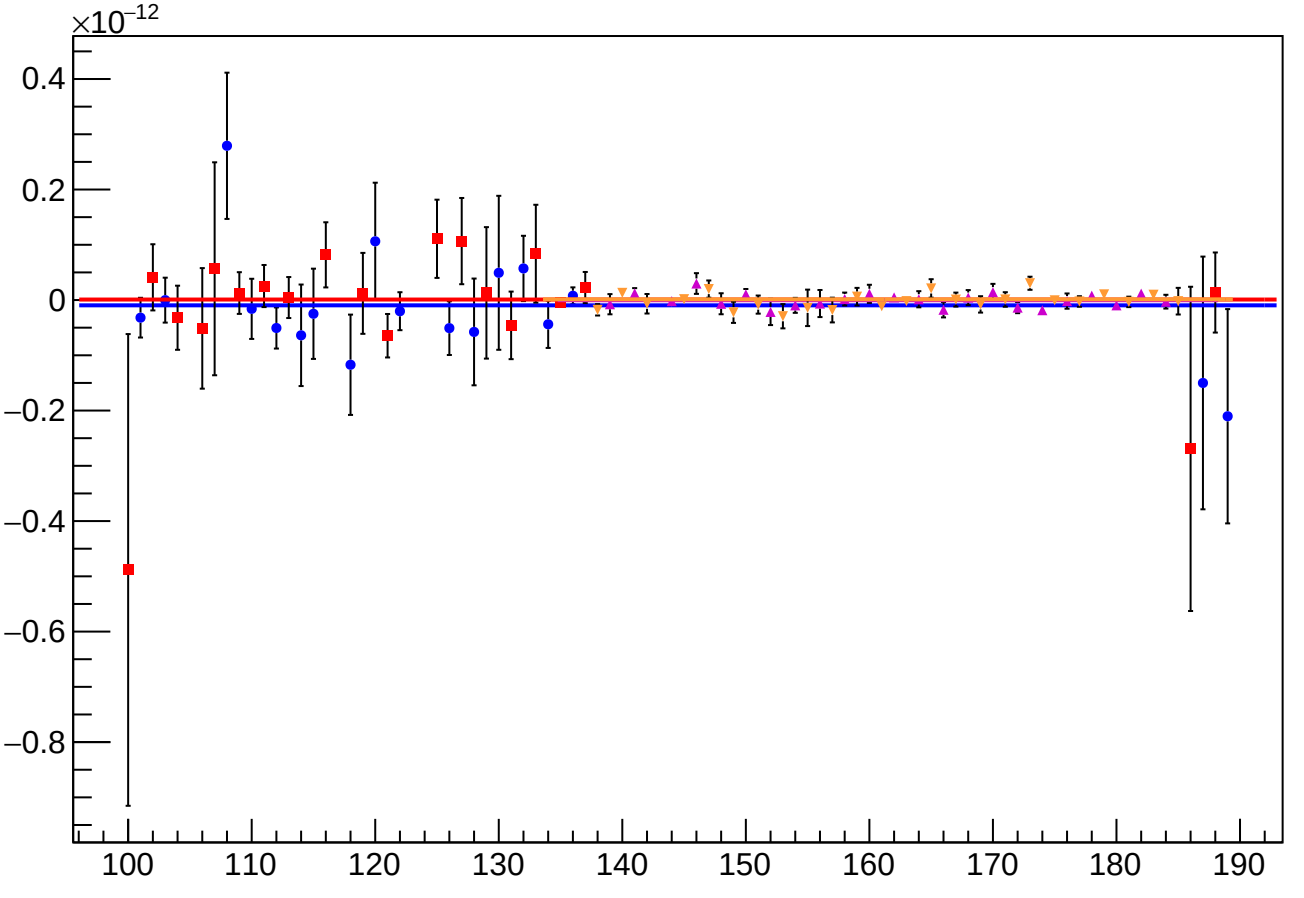
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1134.741+/-0.201 χ^2/NDF: 1520737.7/37

In: 973.367+/-0.136 χ^2/NDF:953949.5/40

Out: 980.597+/-0.135 χ^2/NDF:1467472.0/43

All: 977.005+/-0.096 χ^2/NDF: 2422853.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/19

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

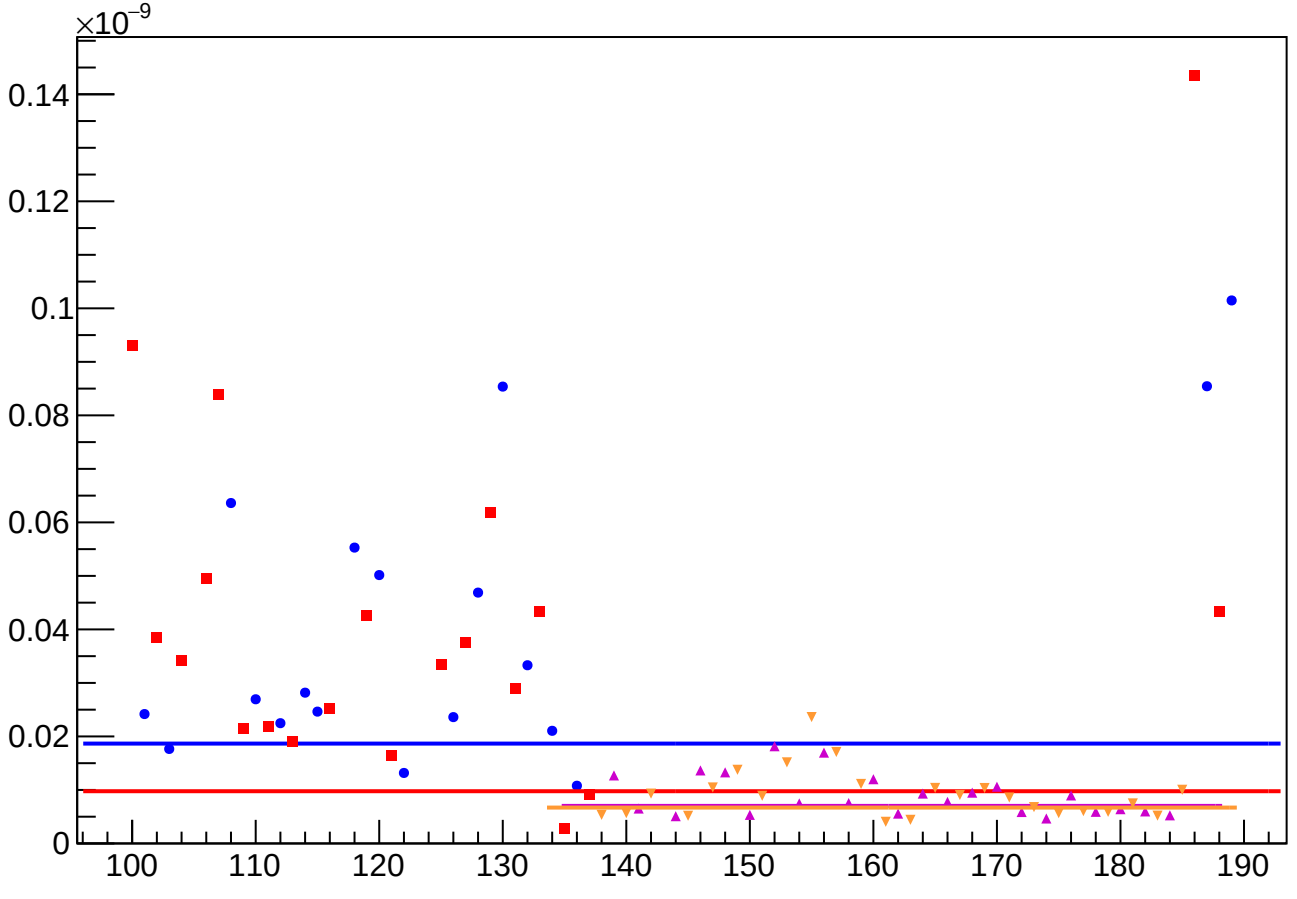
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 31.2/37

In: -0.000+/-0.000 χ^2/NDF:38.2/40

Out: 0.000+/-0.000 χ^2/NDF:40.9/43

All: 0.000+/-0.000 χ^2/NDF: 79.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 2780481.1/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5993902.5/19

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

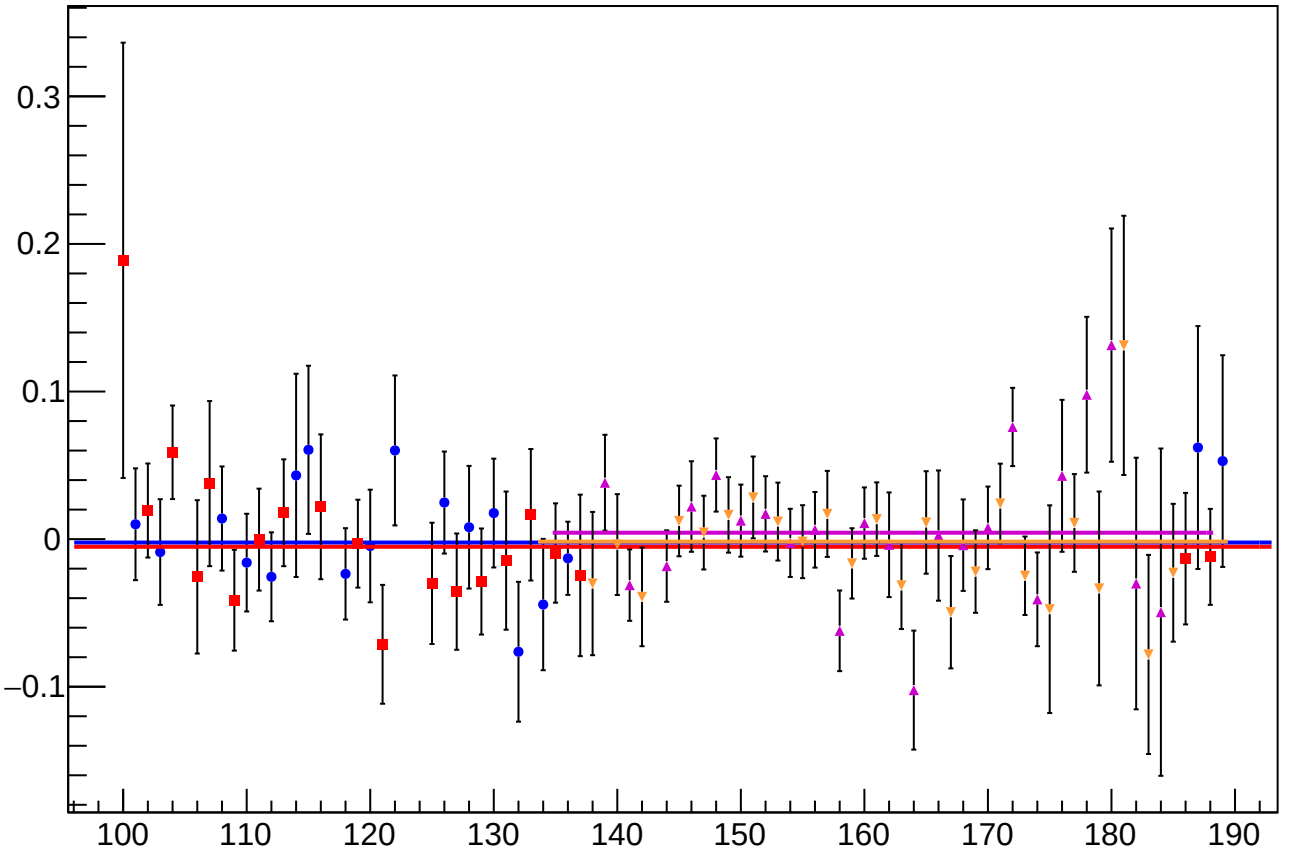
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9784867.2/37

In: 0.000+/-0.000 χ^2/NDF:7690914.8/40

Out: 0.000+/-0.000 χ^2/NDF:9246342.7/43

All: 0.000+/-0.000 χ^2/NDF: 17018358.1/84



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

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

Right Out: -0.005+/-0.009 χ^2/NDF: 13.6/19

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

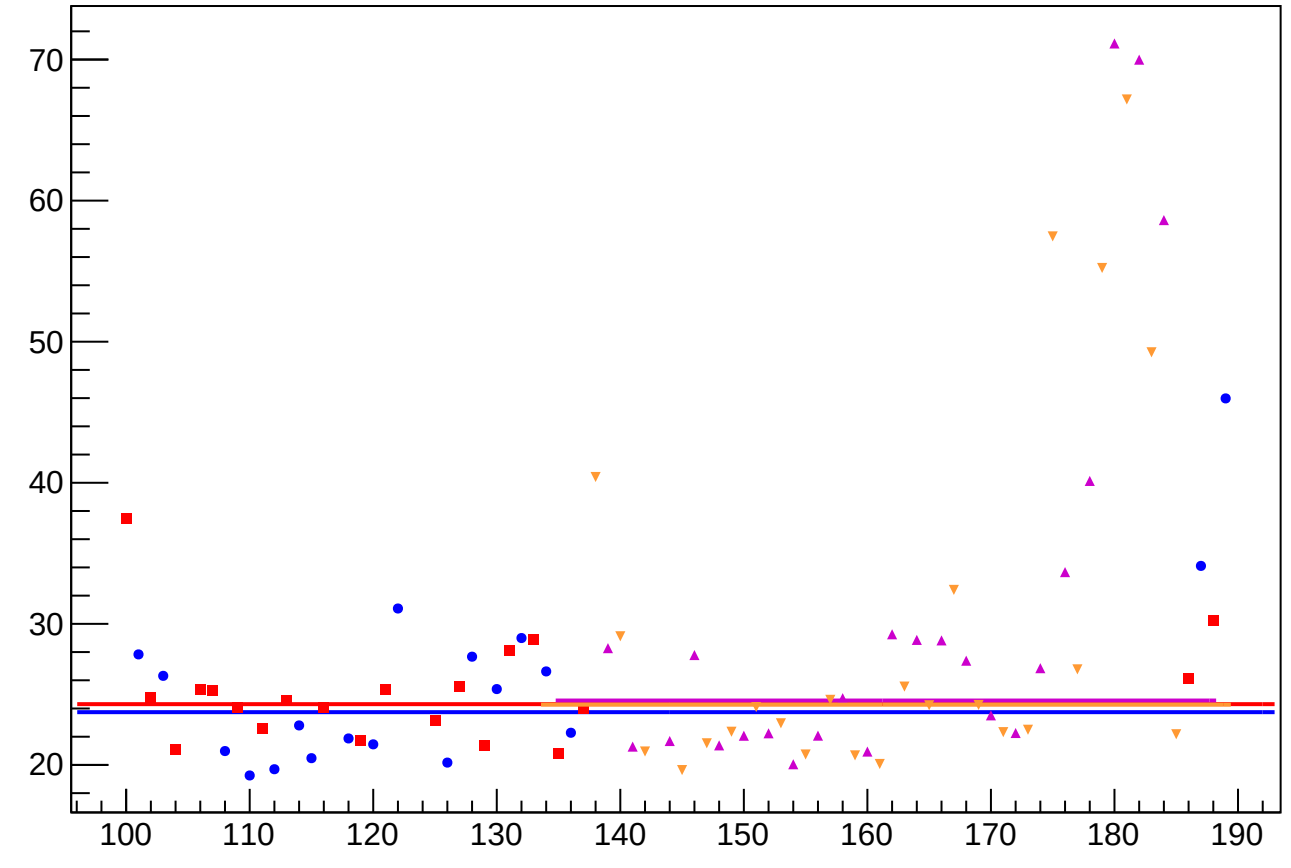
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 24.1/37

In: 0.002+/-0.005 χ^2/NDF:47.3/40

Out: -0.003+/-0.005 χ^2/NDF:28.3/43

All: -0.000+/-0.004 χ^2/NDF: 76.1/84



Right In: 23.740+/-0.006 χ^2/NDF: 489196.4/17

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

Right Out: 24.308+/-0.006 χ^2/NDF: 203774.1/19

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

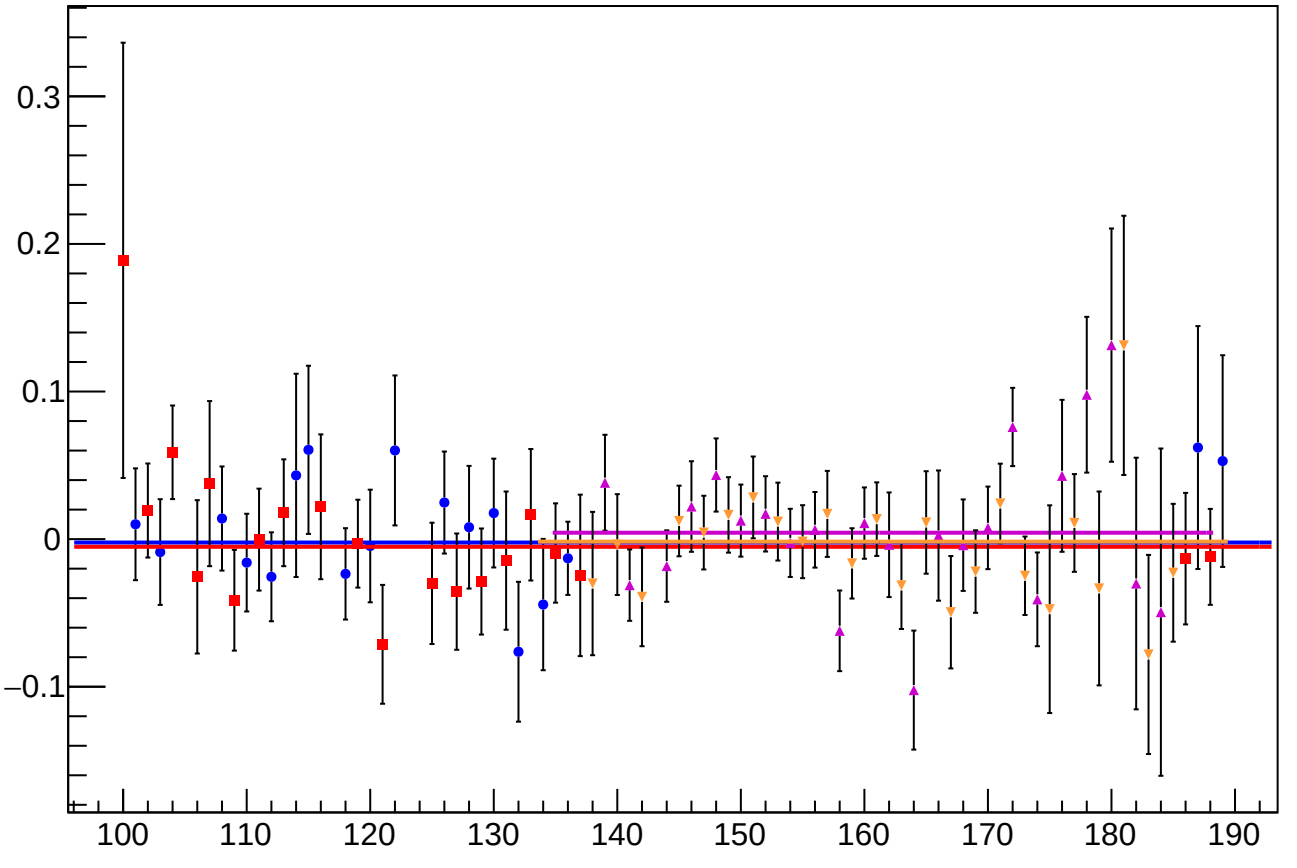
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.035+/-0.004 χ^2/NDF: 696993.4/37

In: 24.293+/-0.004 χ^2/NDF:2633065.4/40

Out: 24.286+/-0.004 χ^2/NDF:2514472.3/43

All: 24.290+/-0.003 χ^2/NDF: 5147539.7/84



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

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

Right Out: -0.005+/-0.009 χ^2/NDF: 13.6/19

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

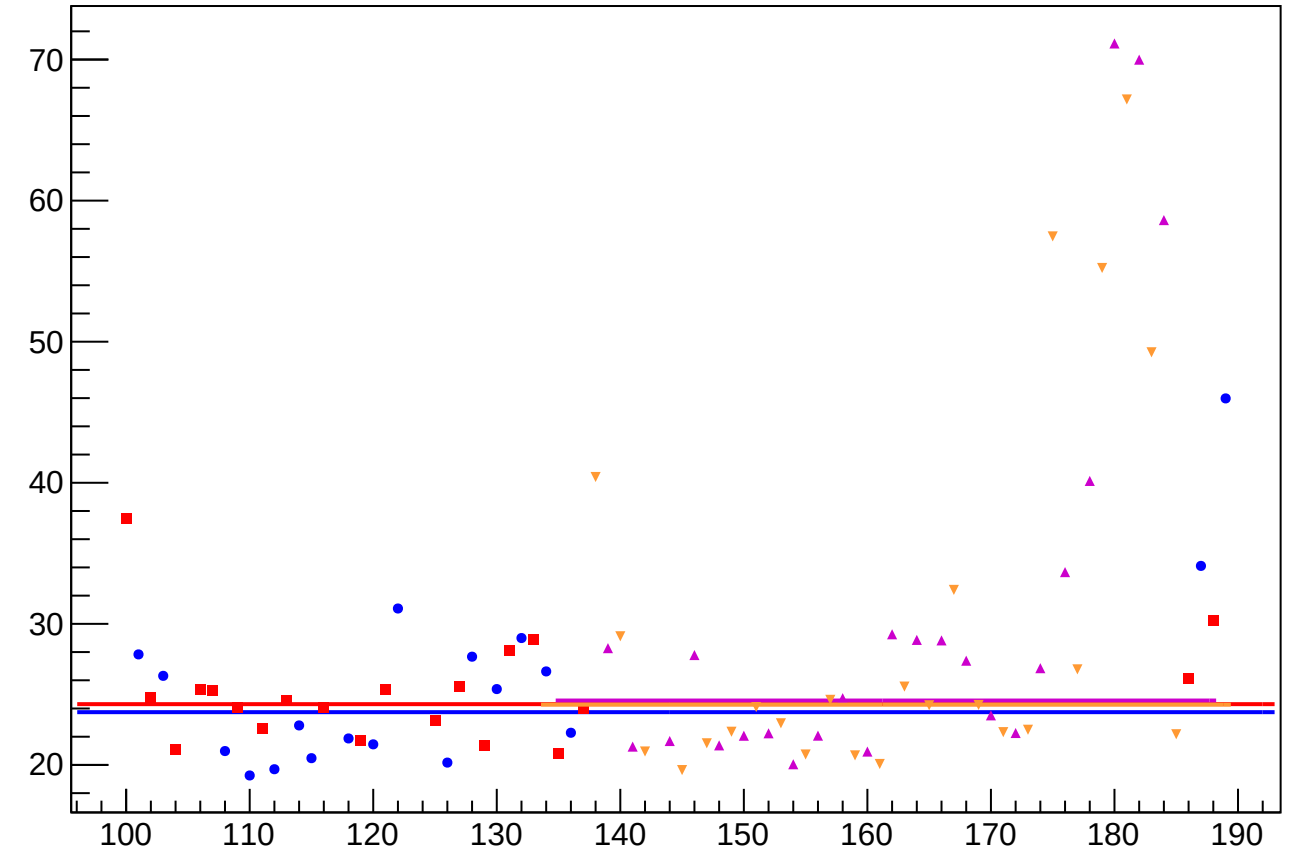
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 24.1/37

In: 0.002+/-0.005 χ^2/NDF:47.3/40

Out: -0.003+/-0.005 χ^2/NDF:28.3/43

All: -0.000+/-0.004 χ^2/NDF: 76.1/84



Right In: 23.740+/-0.006 χ^2/NDF: 489196.4/17

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

Right Out: 24.308+/-0.006 χ^2/NDF: 203774.1/19

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

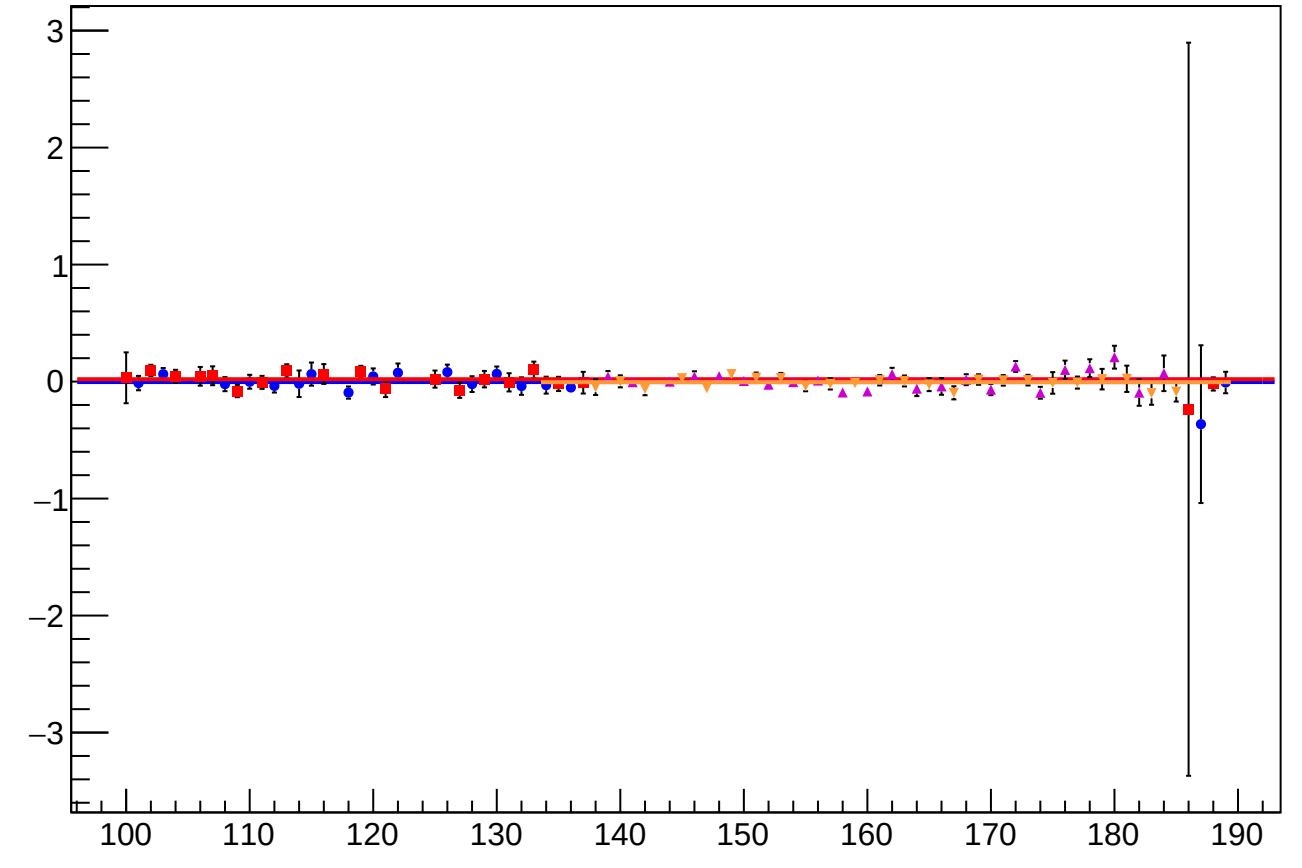
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 24.035+/-0.004 χ^2/NDF: 696993.4/37

In: 24.293+/-0.004 χ^2/NDF:2633065.4/40

Out: 24.286+/-0.004 χ^2/NDF:2514472.3/43

All: 24.290+/-0.003 χ^2/NDF: 5147539.7/84



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/17

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

Right Out: 0.020+/-0.015 χ^2/NDF: 15.9/19

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

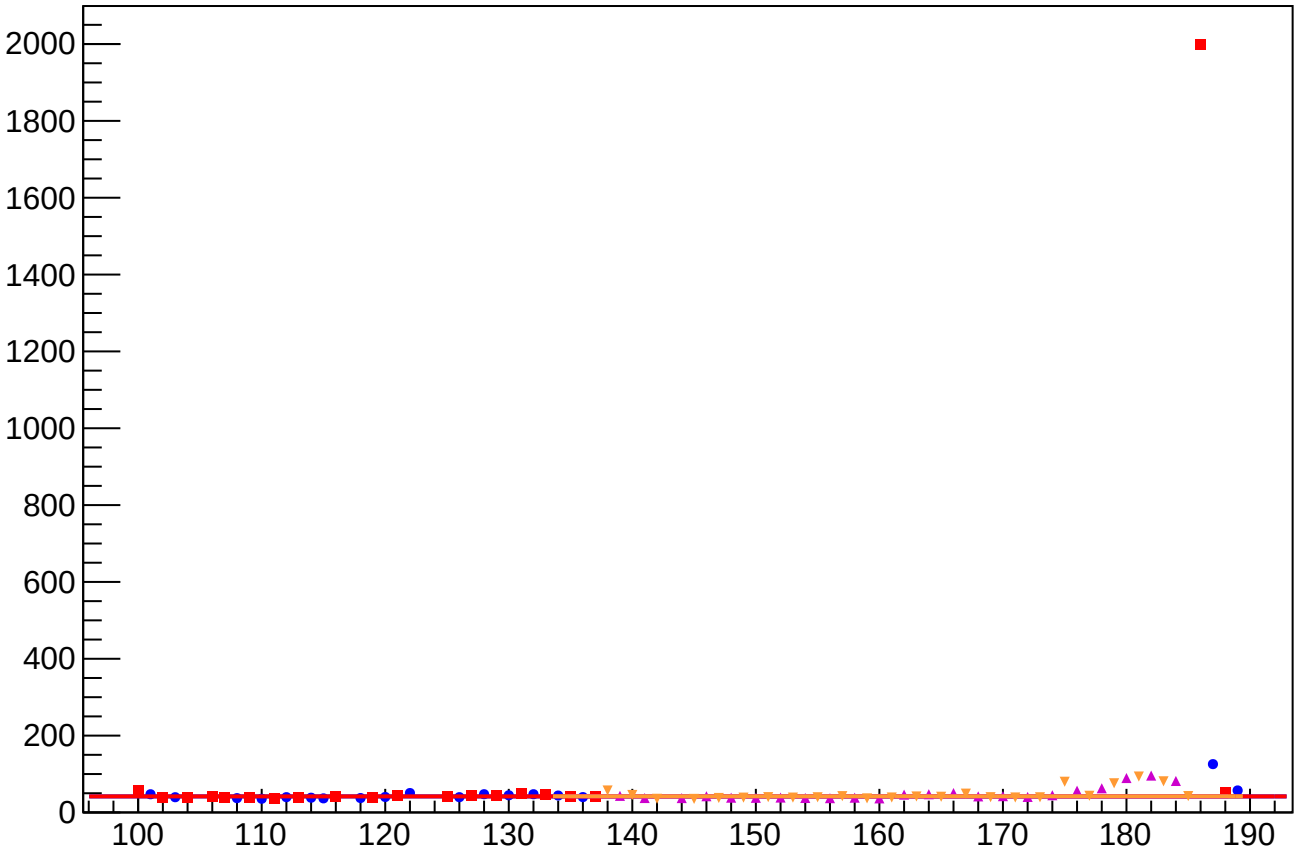
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.009+/-0.011 χ^2/NDF: 29.1/37

In: -0.001+/-0.009 χ^2/NDF:49.9/40

Out: 0.003+/-0.009 χ^2/NDF:31.7/43

All: 0.001+/-0.006 χ^2/NDF: 81.8/84



Right In: 41.744+/-0.011 χ^2/NDF: 225796.5/17

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

Right Out: 41.829+/-0.011 χ^2/NDF: 939981.3/19

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

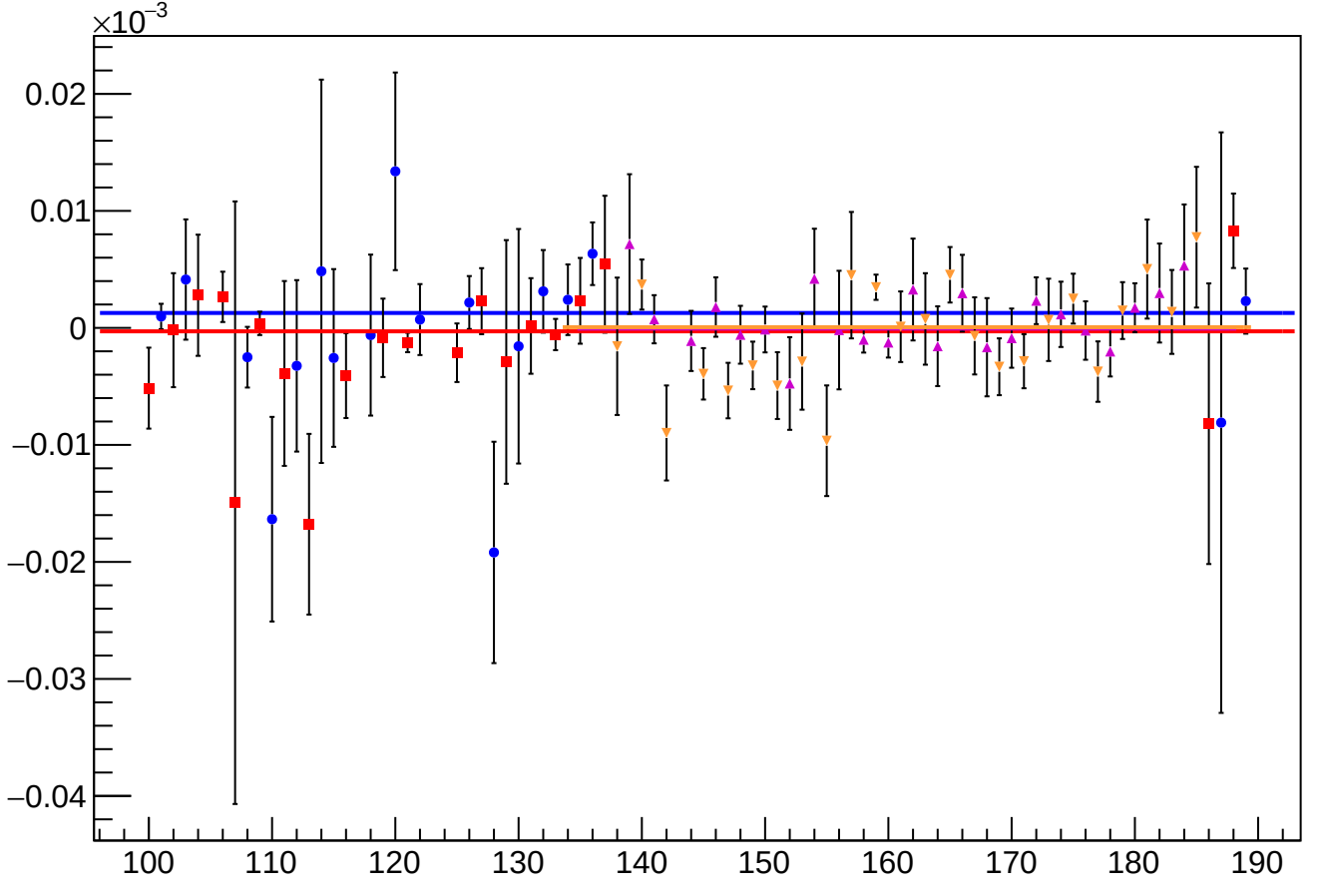
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.788+/-0.008 χ^2/NDF: 1165808.8/37

In: 41.974+/-0.006 χ^2/NDF:1769941.5/40

Out: 42.004+/-0.006 χ^2/NDF:2656434.5/43

All: 41.989+/-0.004 χ^2/NDF: 4426387.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

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

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/19

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

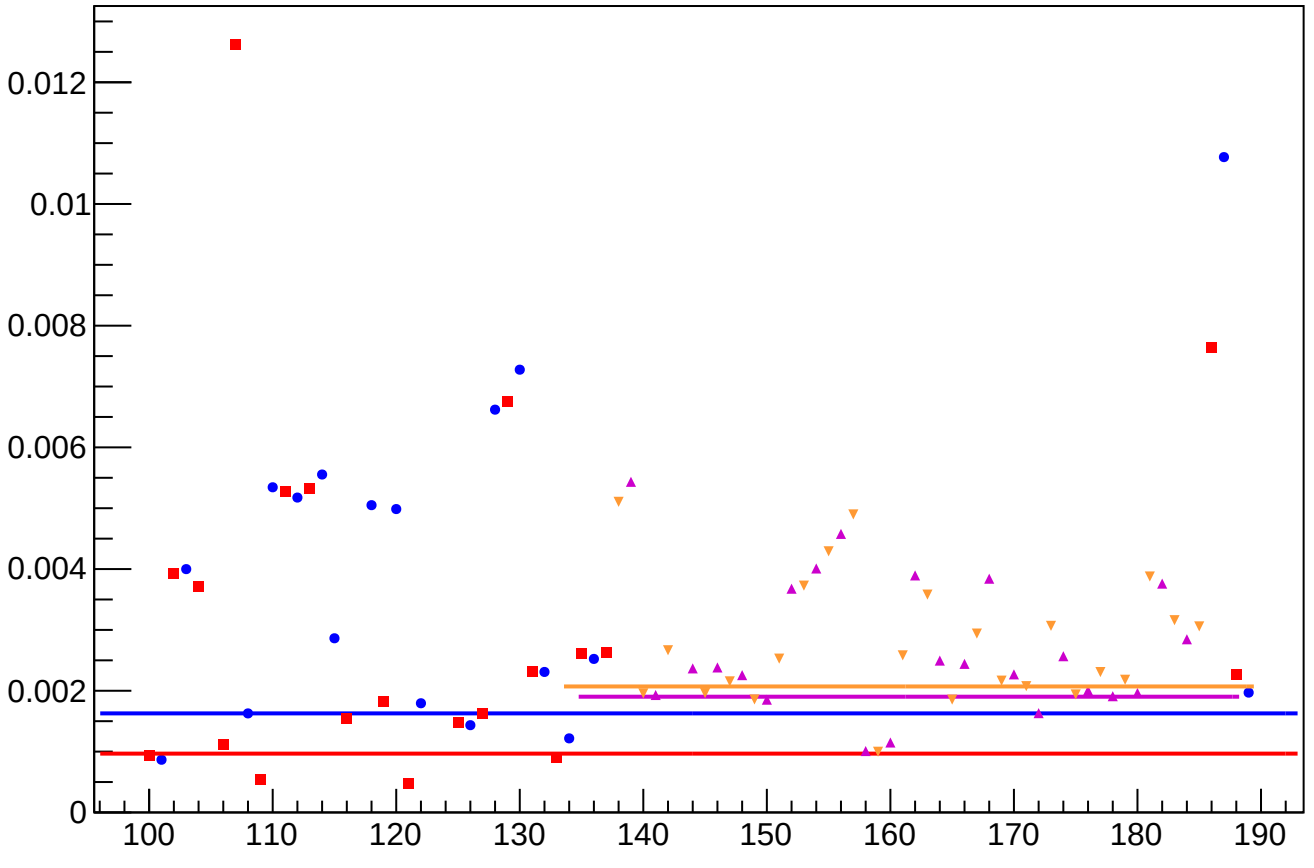
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 44.7/37

In: 0.000+/-0.000 χ^2/NDF:33.9/40

Out: -0.000+/-0.000 χ^2/NDF:74.8/43

All: 0.000+/-0.000 χ^2/NDF: 109.5/84



Right In: 0.002+/-0.000 χ^2/NDF: 5067735.3/17

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

Right Out: 0.001+/-0.000 χ^2/NDF: 6748915.0/19

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

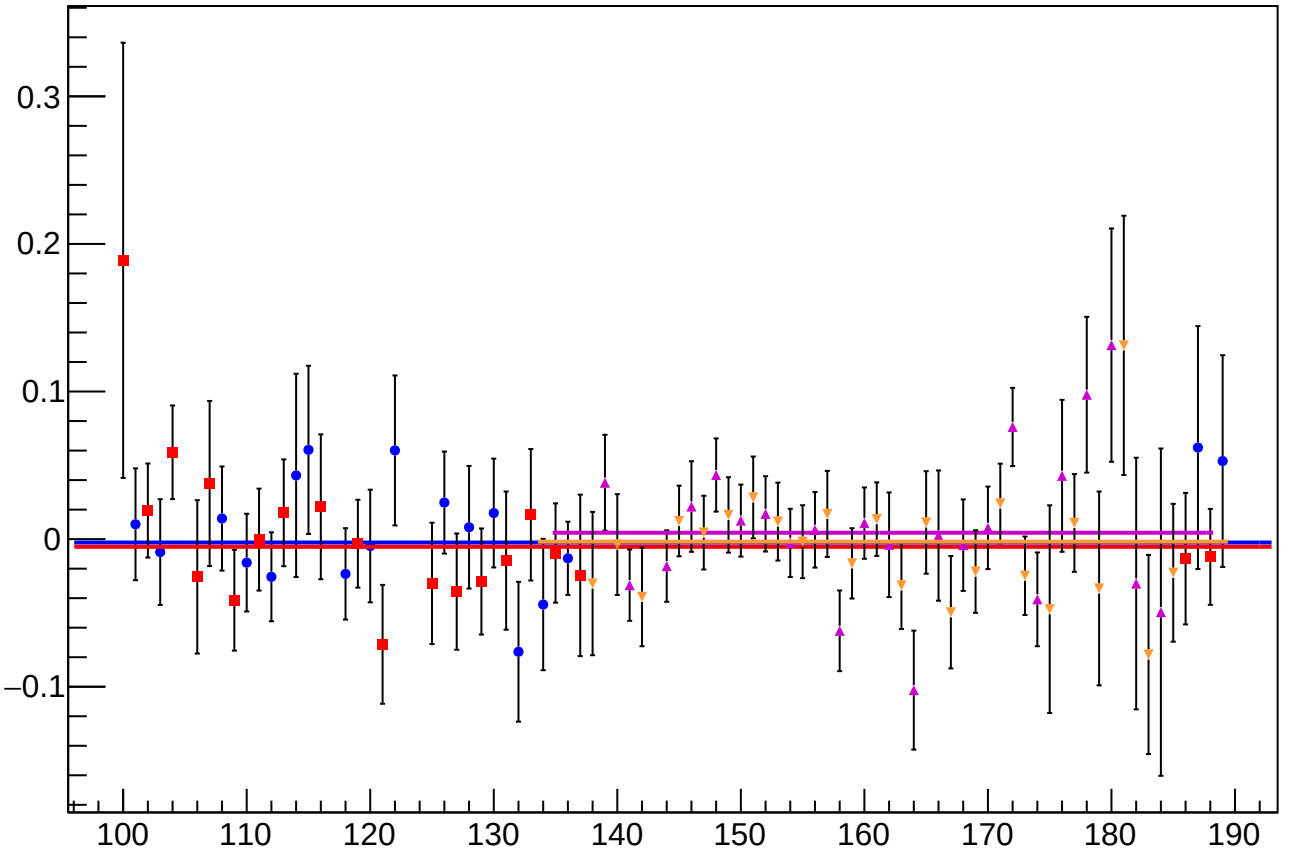
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 12959861.4/37

In: 0.002+/-0.000 χ^2/NDF:11199338.8/40

Out: 0.001+/-0.000 χ^2/NDF:16738584.2/43

All: 0.002+/-0.000 χ^2/NDF: 28690034.1/84



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

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

Right Out: -0.005+/-0.009 χ^2/NDF: 13.6/19

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

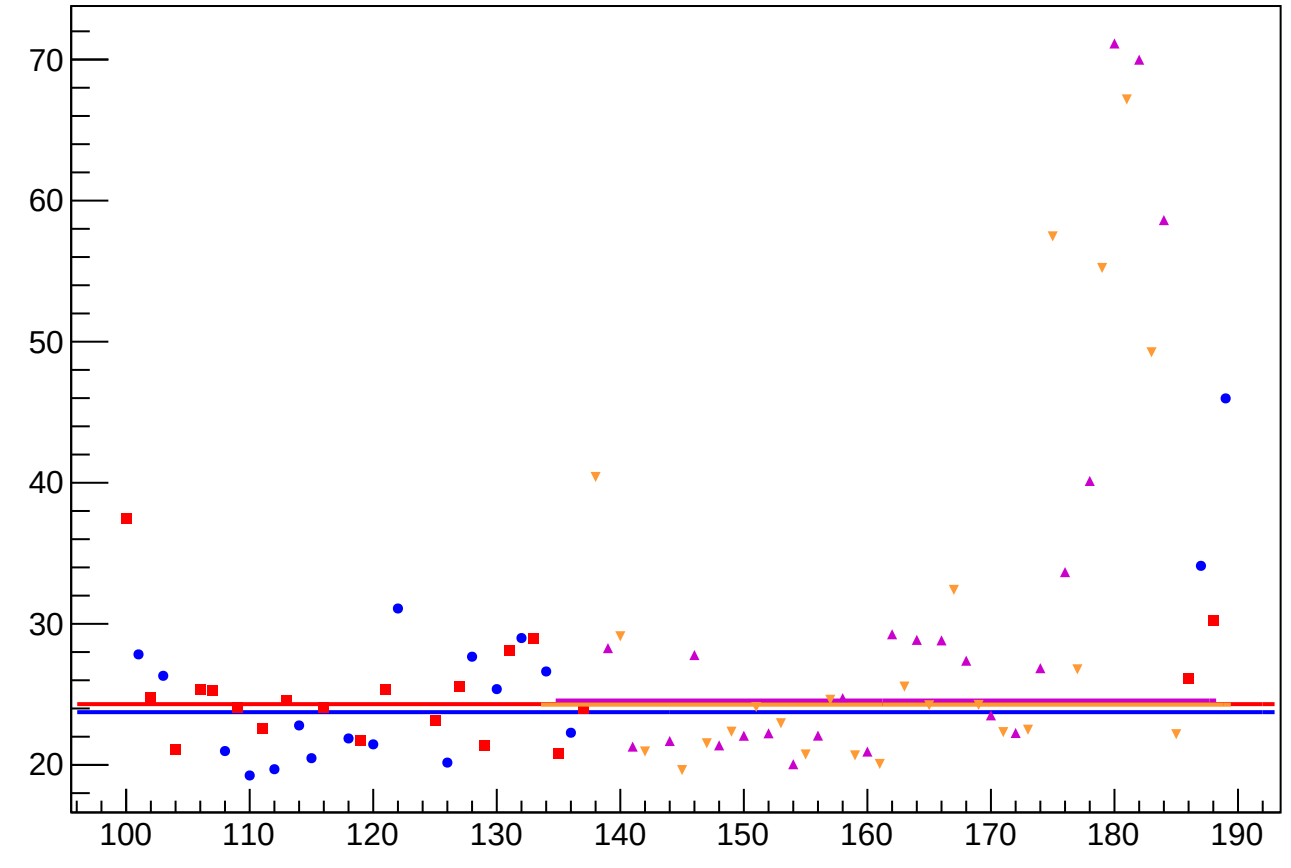
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 24.1/37

In: 0.002+/-0.005 χ^2/NDF:47.3/40

Out: -0.003+/-0.005 χ^2/NDF:28.3/43

All: -0.000+/-0.004 χ^2/NDF: 76.1/84



Right In: 23.739+/-0.006 χ^2/NDF: 489224.5/17

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

Right Out: 24.308+/-0.006 χ^2/NDF: 203729.3/19

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

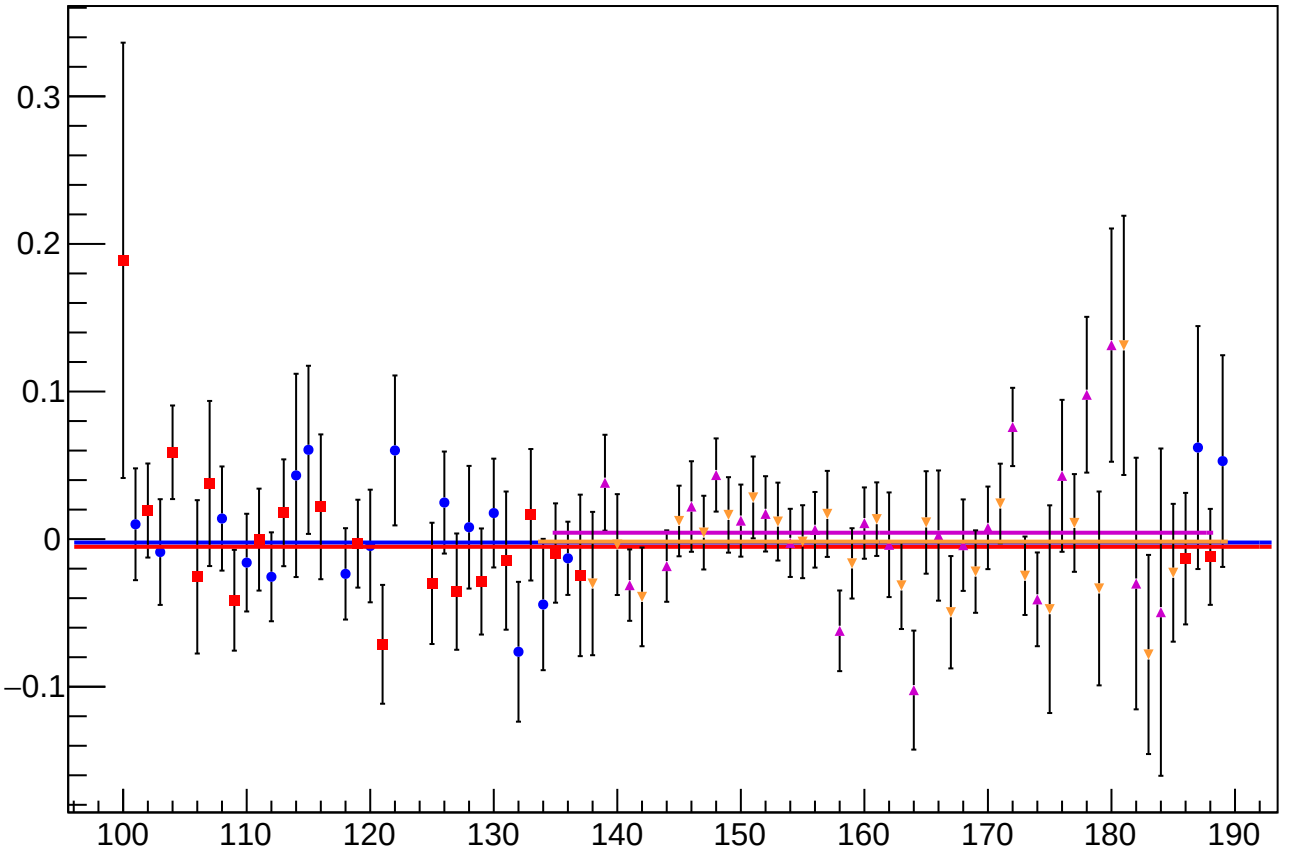
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 24.035+/-0.004 χ^2/NDF: 696989.3/37

In: 24.293+/-0.004 χ^2/NDF:2632983.0/40

Out: 24.286+/-0.004 χ^2/NDF:2514433.3/43

All: 24.290+/-0.003 χ^2/NDF: 5147418.4/84



Right In: -0.002+/-0.009 χ^2/NDF: 10.4/17

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

Right Out: -0.005+/-0.009 χ^2/NDF: 13.6/19

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

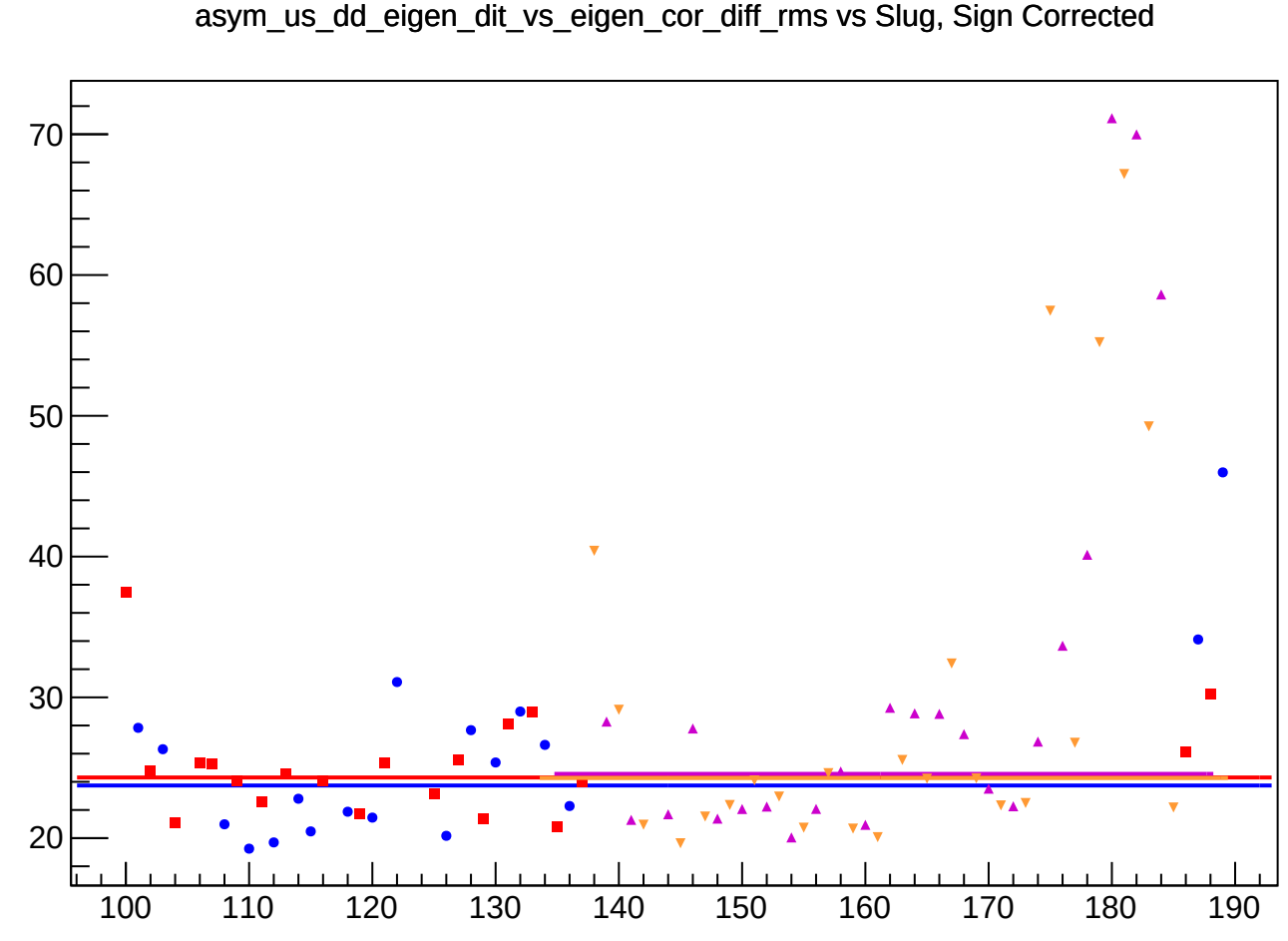
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 24.1/37

In: 0.002+/-0.005 χ^2/NDF:47.3/40

Out: -0.003+/-0.005 χ^2/NDF:28.3/43

All: -0.000+/-0.004 χ^2/NDF: 76.1/84



Right In: 23.739+/-0.006 χ^2/NDF: 489224.5/17

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

Right Out: 24.308+/-0.006 χ^2/NDF: 203729.3/19

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

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

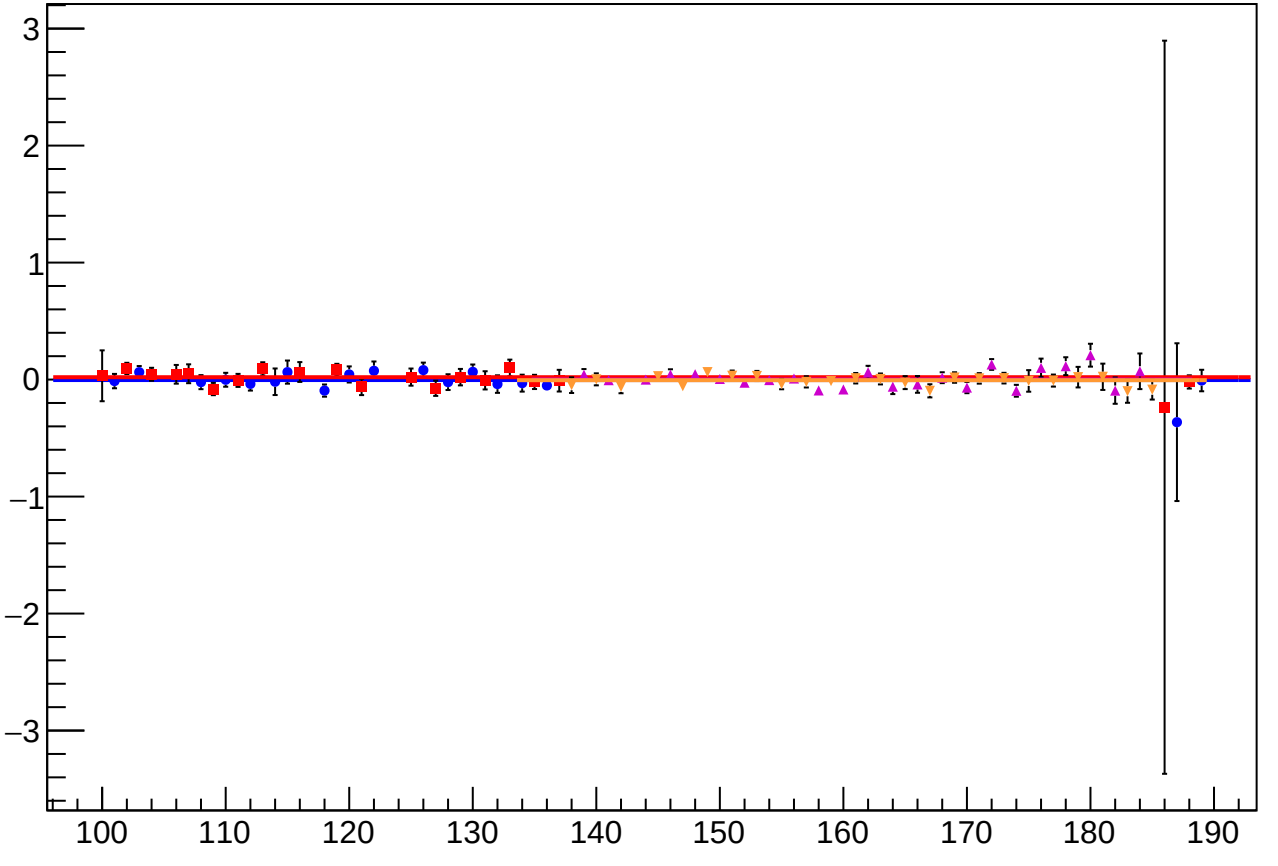
Right: 24.035+/-0.004 χ^2/NDF: 696989.3/37

In: 24.293+/-0.004 χ^2/NDF:2632983.0/40

Out: 24.286+/-0.004 χ^2/NDF:2514433.3/43

All: 24.290+/-0.003 χ^2/NDF: 5147418.4/84

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/17

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

Right Out: 0.020+/-0.015 χ^2/NDF: 15.9/19

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

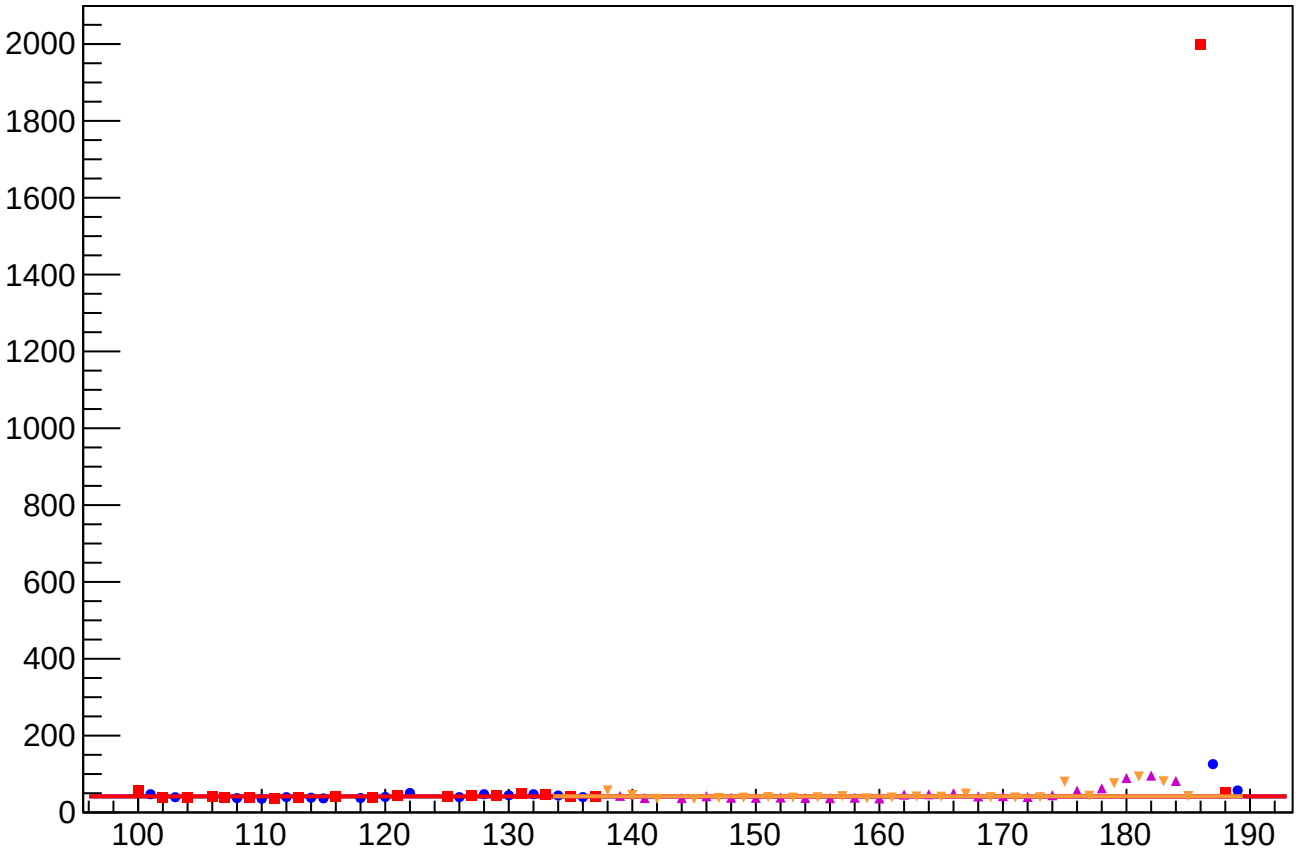
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.009+/-0.011 χ^2/NDF: 29.1/37

In: -0.001+/-0.009 χ^2/NDF:49.9/40

Out: 0.003+/-0.009 χ^2/NDF:31.7/43

All: 0.001+/-0.006 χ^2/NDF: 81.8/84



Right In: 41.744+/-0.011 χ^2/NDF: 225777.2/17

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

Right Out: 41.829+/-0.011 χ^2/NDF: 939971.8/19

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

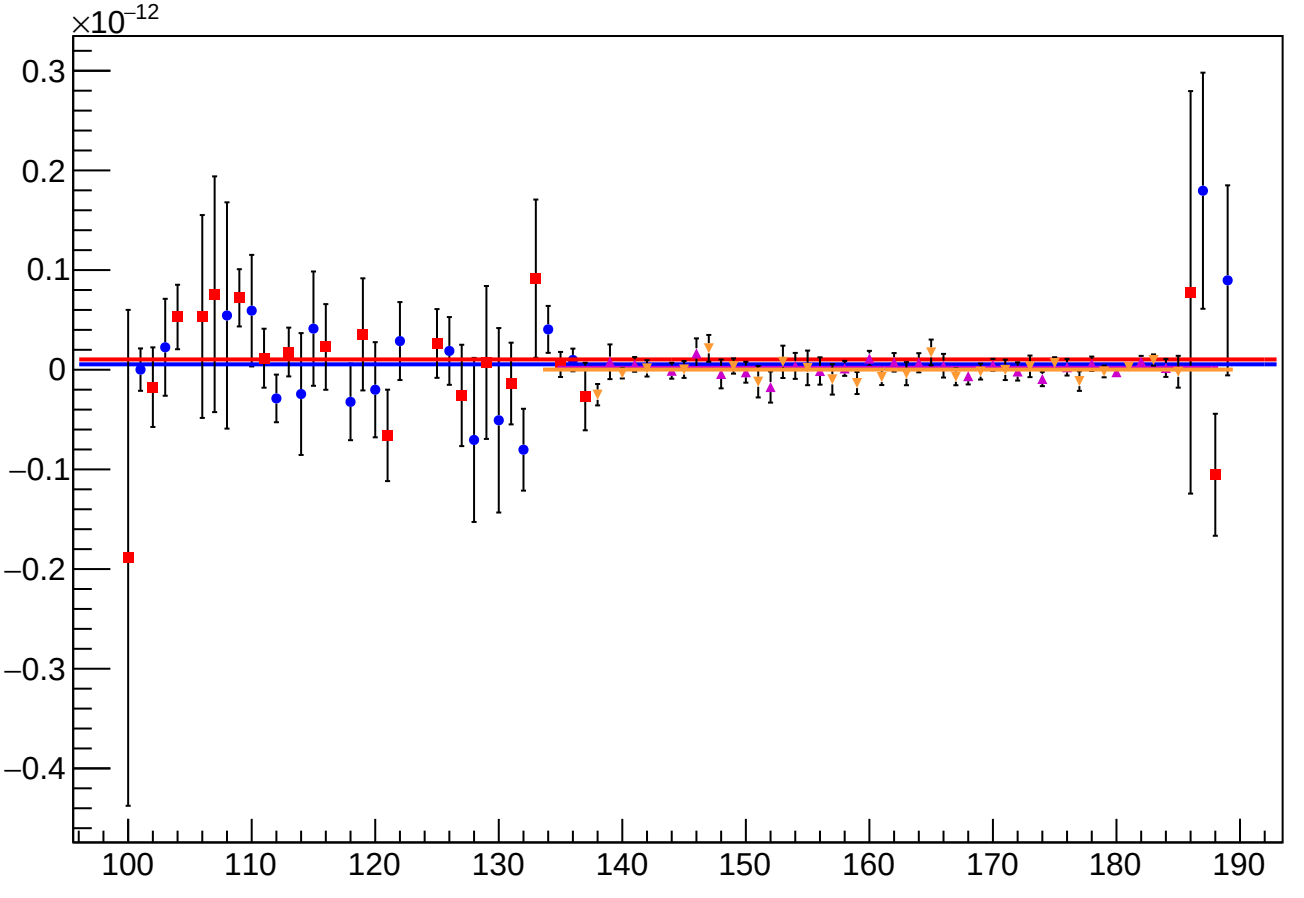
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.788+/-0.008 χ^2/NDF: 1165780.2/37

In: 41.974+/-0.006 χ^2/NDF:1769899.2/40

Out: 42.004+/-0.006 χ^2/NDF:2656415.8/43

All: 41.989+/-0.004 χ^2/NDF: 4426326.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/19

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

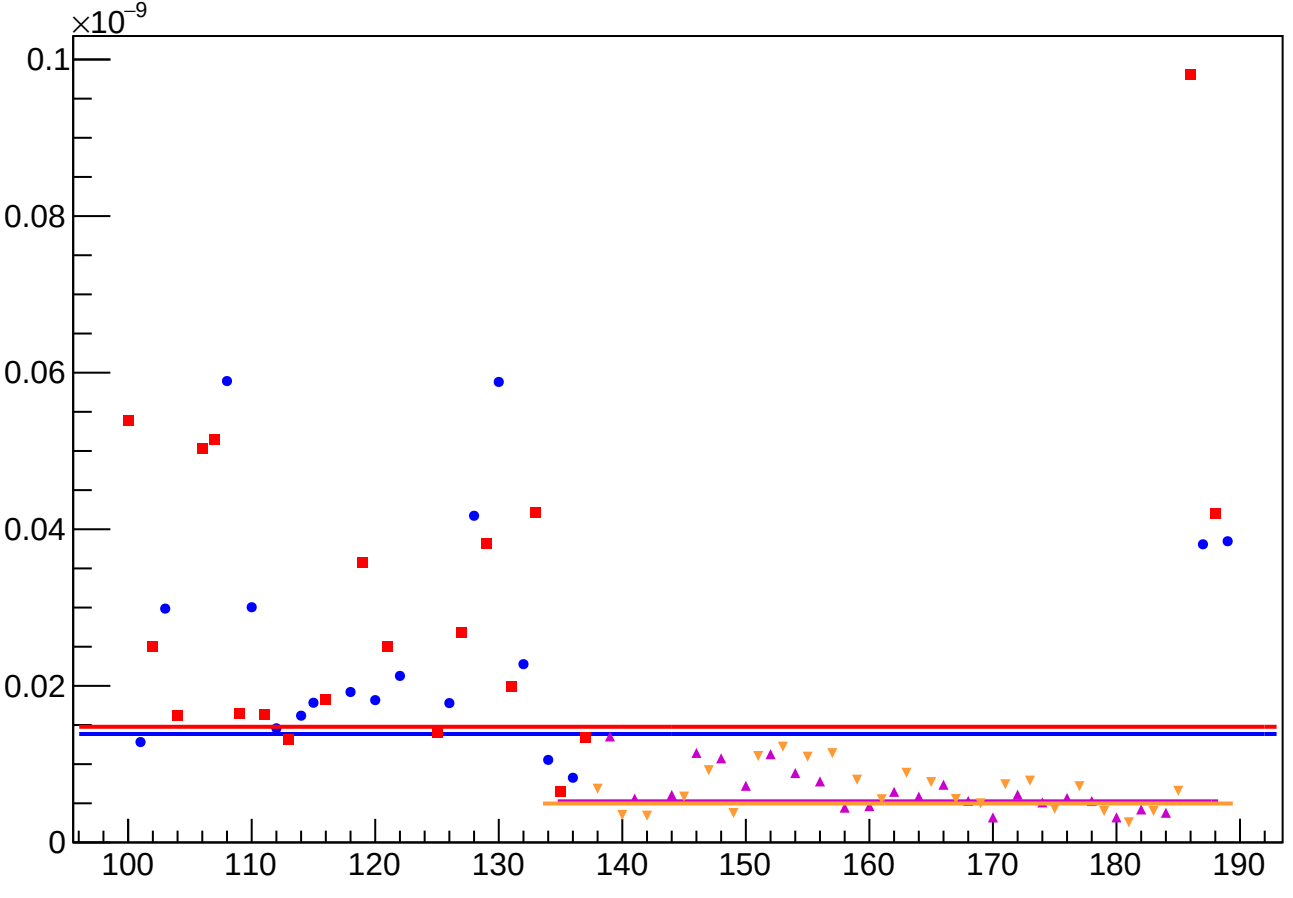
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 35.1/37

In: 0.000+/-0.000 χ^2/NDF:28.6/40

Out: 0.000+/-0.000 χ^2/NDF:41.1/43

All: 0.000+/-0.000 χ^2/NDF: 70.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 2407765.0/17

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3217789.3/19

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

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

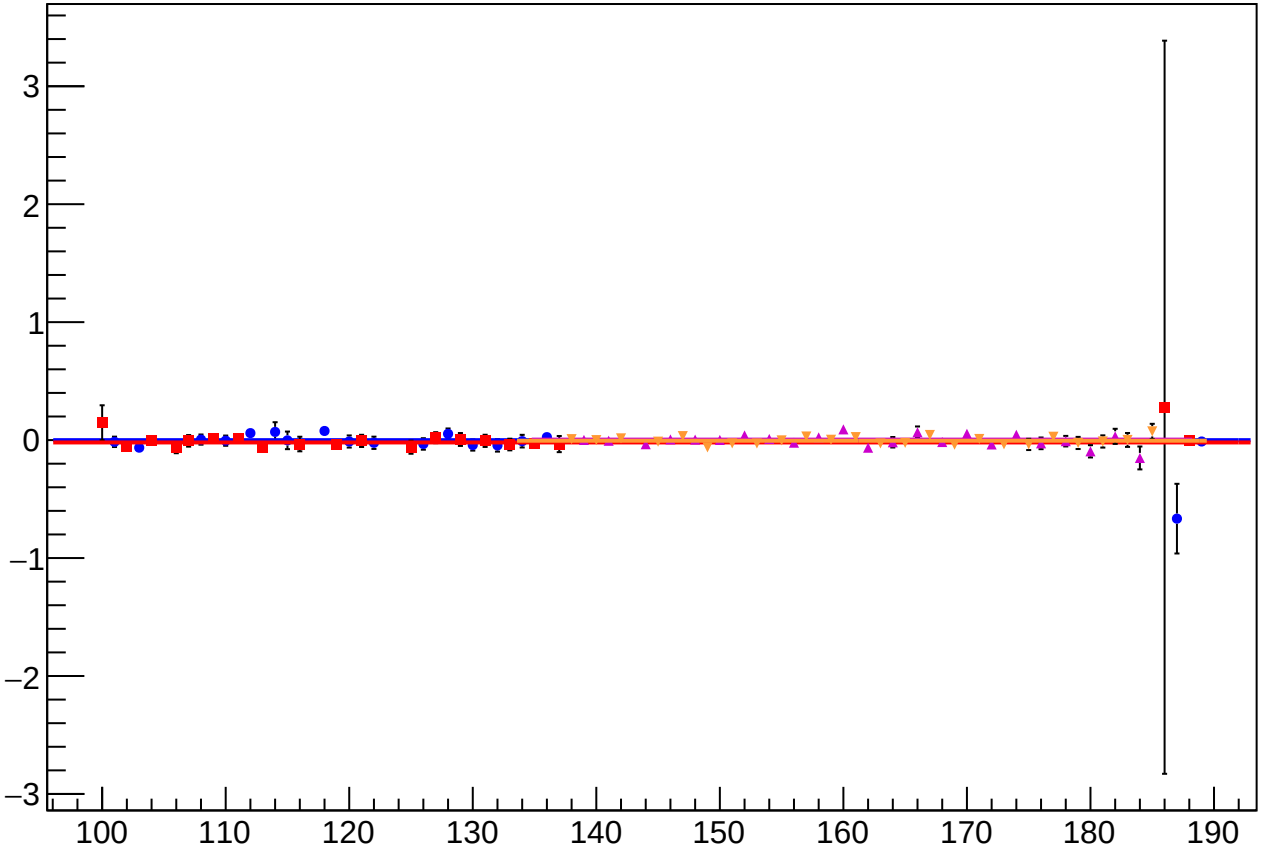
Right: 0.000+/-0.000 χ^2/NDF: 5640496.9/37

In: 0.000+/-0.000 χ^2/NDF:7627700.4/40

Out: 0.000+/-0.000 χ^2/NDF:9834058.9/43

All: 0.000+/-0.000 χ^2/NDF: 17493524.3/84

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.011 χ^2/NDF: 20.5/17

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

Right Out: -0.020+/-0.010 χ^2/NDF: 9.4/19

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

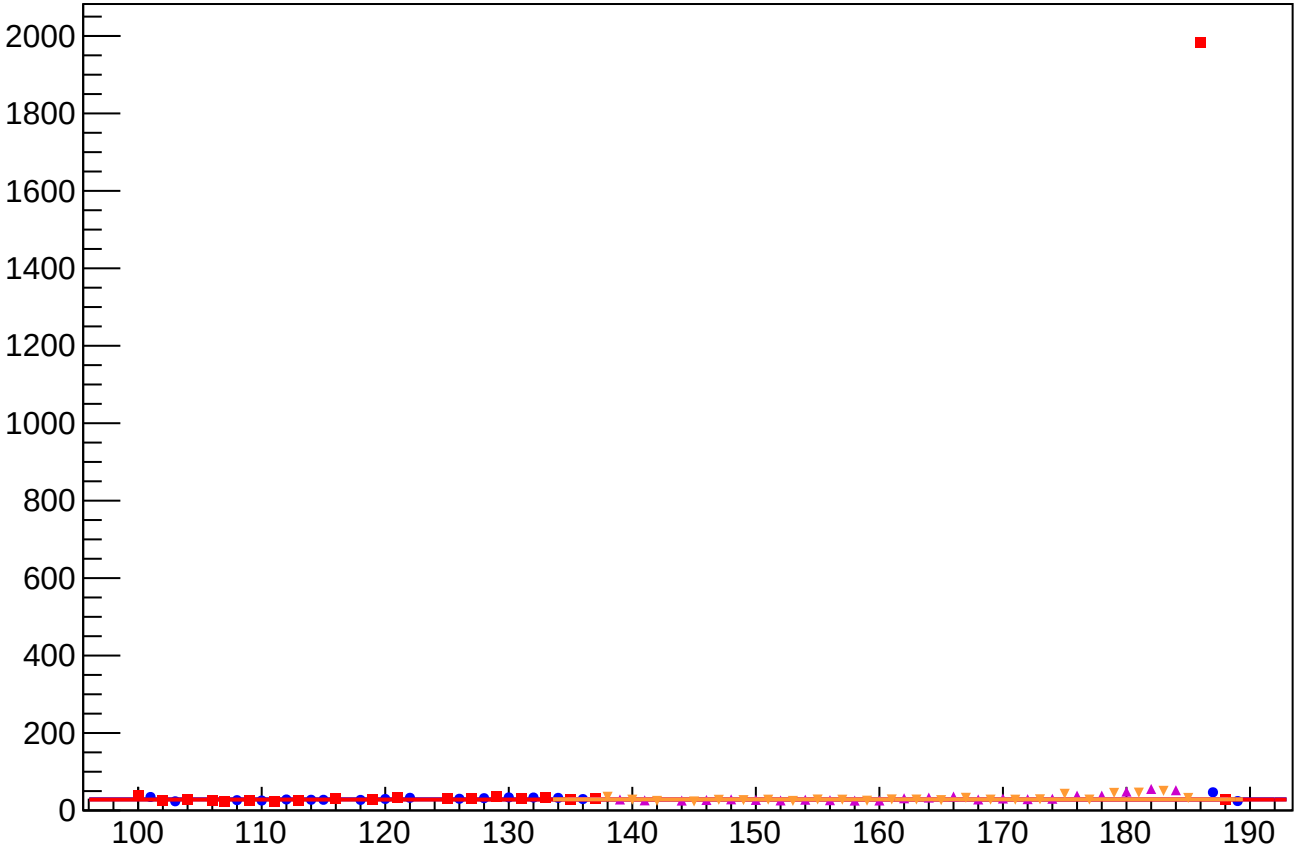
Right: -0.011+/-0.007 χ^2/NDF: 31.5/37

In: 0.003+/-0.006 χ^2/NDF:51.8/40

Out: -0.010+/-0.006 χ^2/NDF:27.5/43

All: -0.004+/-0.004 χ^2/NDF: 81.6/84

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.809+/-0.008 χ^2/NDF: 212358.8/17

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

Right Out: 28.098+/-0.007 χ^2/NDF: 978667.3/19

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

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

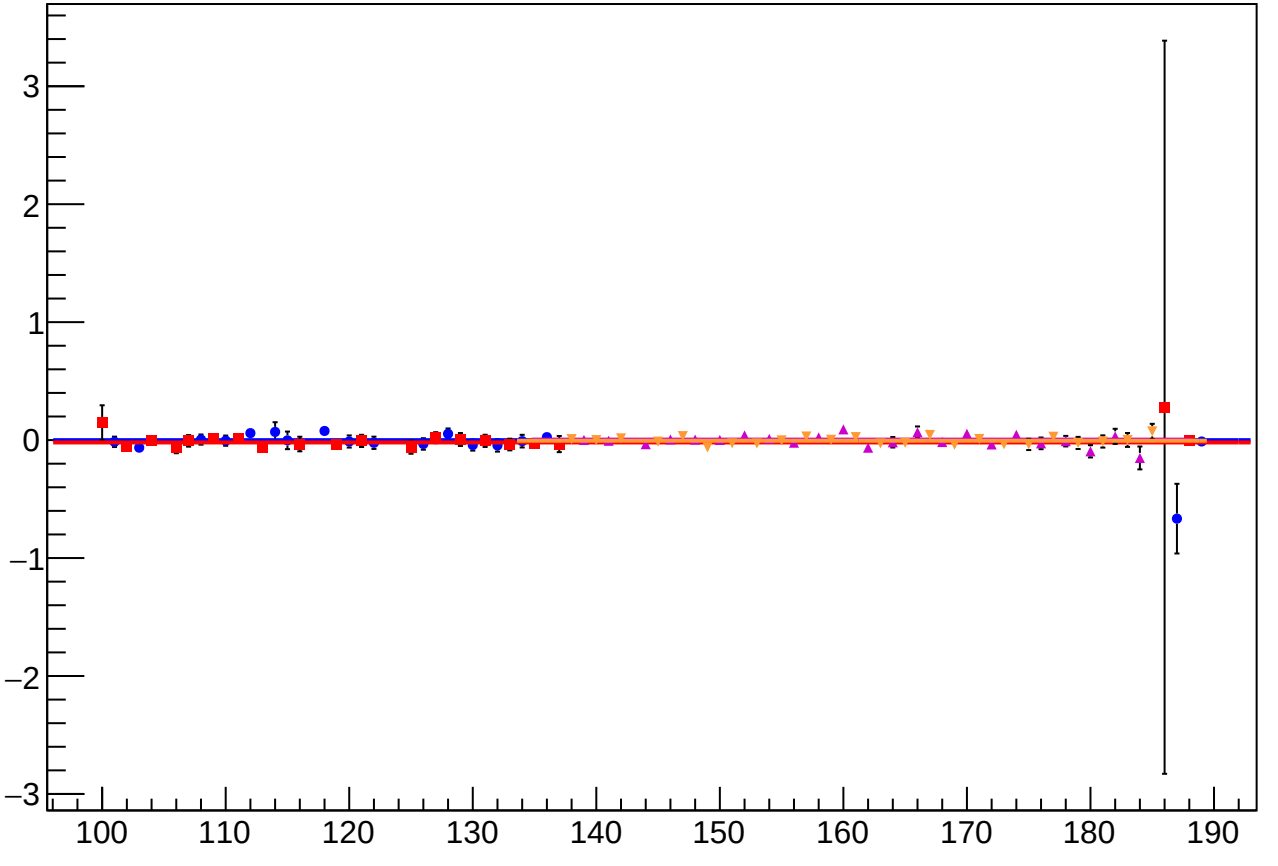
Right: 28.436+/-0.005 χ^2/NDF: 1195582.1/37

In: 29.118+/-0.004 χ^2/NDF:1355061.8/40

Out: 28.562+/-0.004 χ^2/NDF:2155278.7/43

All: 28.833+/-0.003 χ^2/NDF: 3519217.1/84

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.011 χ^2/NDF: 20.5/17

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

Right Out: -0.020+/-0.010 χ^2/NDF: 9.4/19

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

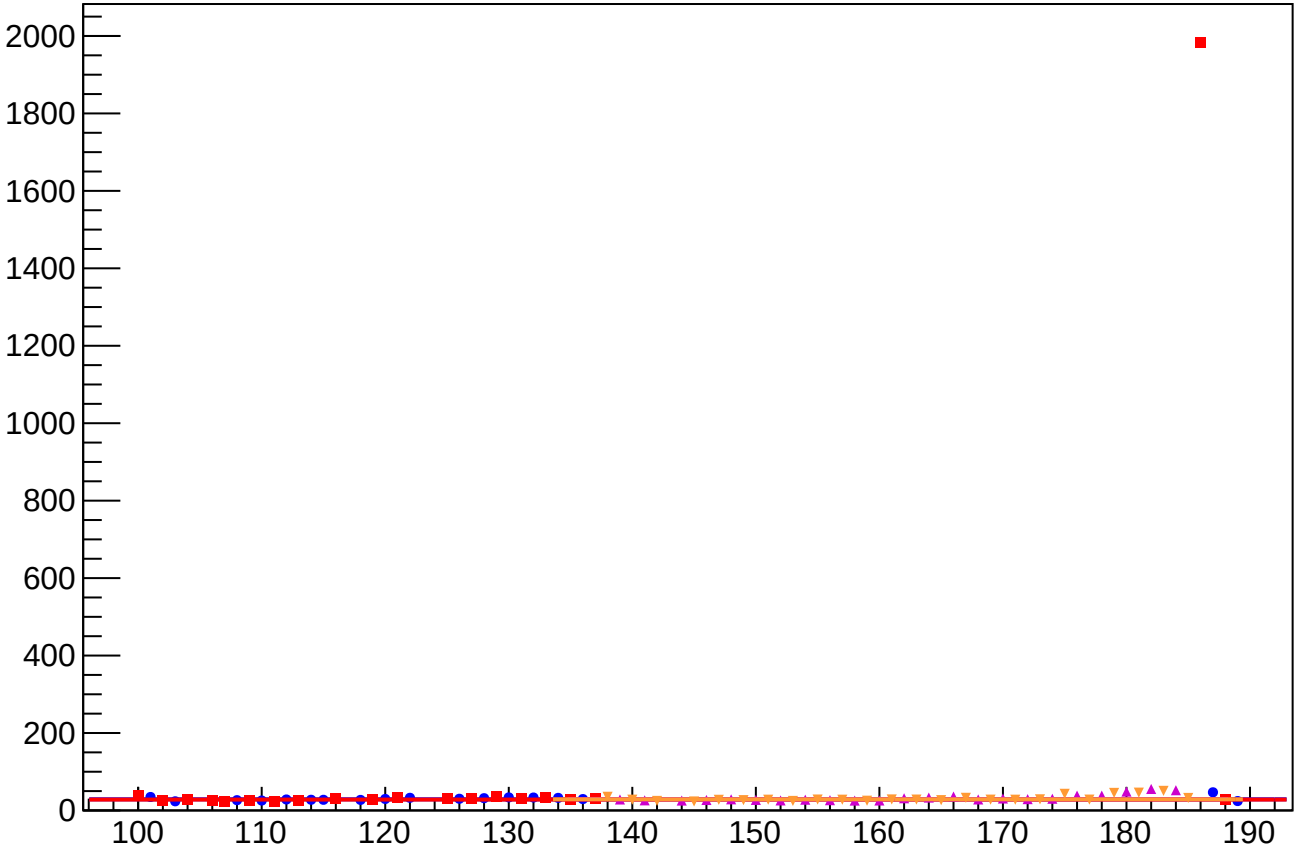
Right: -0.011+/-0.007 χ^2/NDF: 31.5/37

In: 0.003+/-0.006 χ^2/NDF:51.8/40

Out: -0.010+/-0.006 χ^2/NDF:27.5/43

All: -0.004+/-0.004 χ^2/NDF: 81.6/84

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.809+/-0.008 χ^2/NDF: 212358.8/17

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

Right Out: 28.098+/-0.007 χ^2/NDF: 978667.3/19

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

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

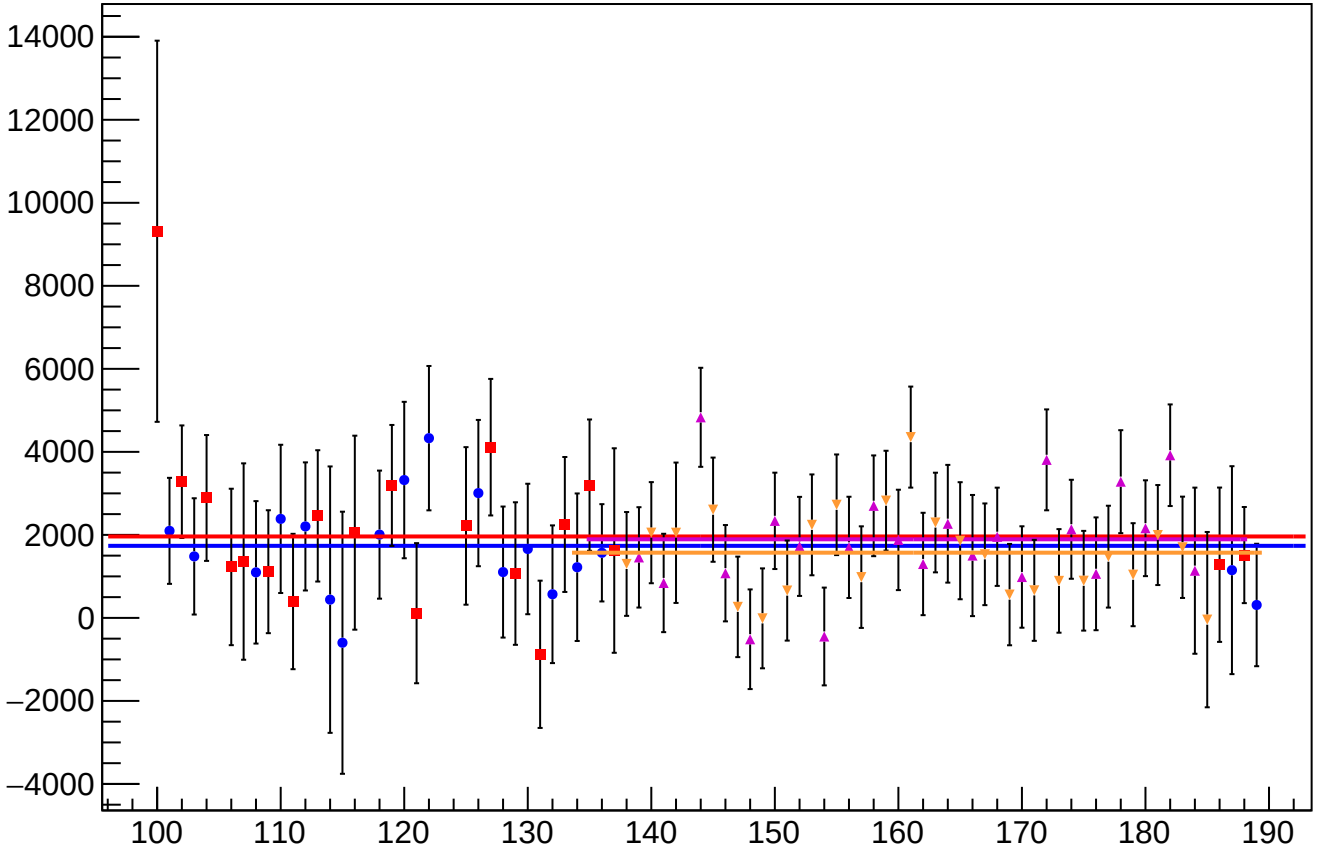
Right: 28.436+/-0.005 χ^2/NDF: 1195582.1/37

In: 29.118+/-0.004 χ^2/NDF:1355061.8/40

Out: 28.562+/-0.004 χ^2/NDF:2155278.7/43

All: 28.833+/-0.003 χ^2/NDF: 3519217.1/84

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

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

Right Out: 1961.894+/-377.810 χ^2/NDF: 12.9/19

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

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

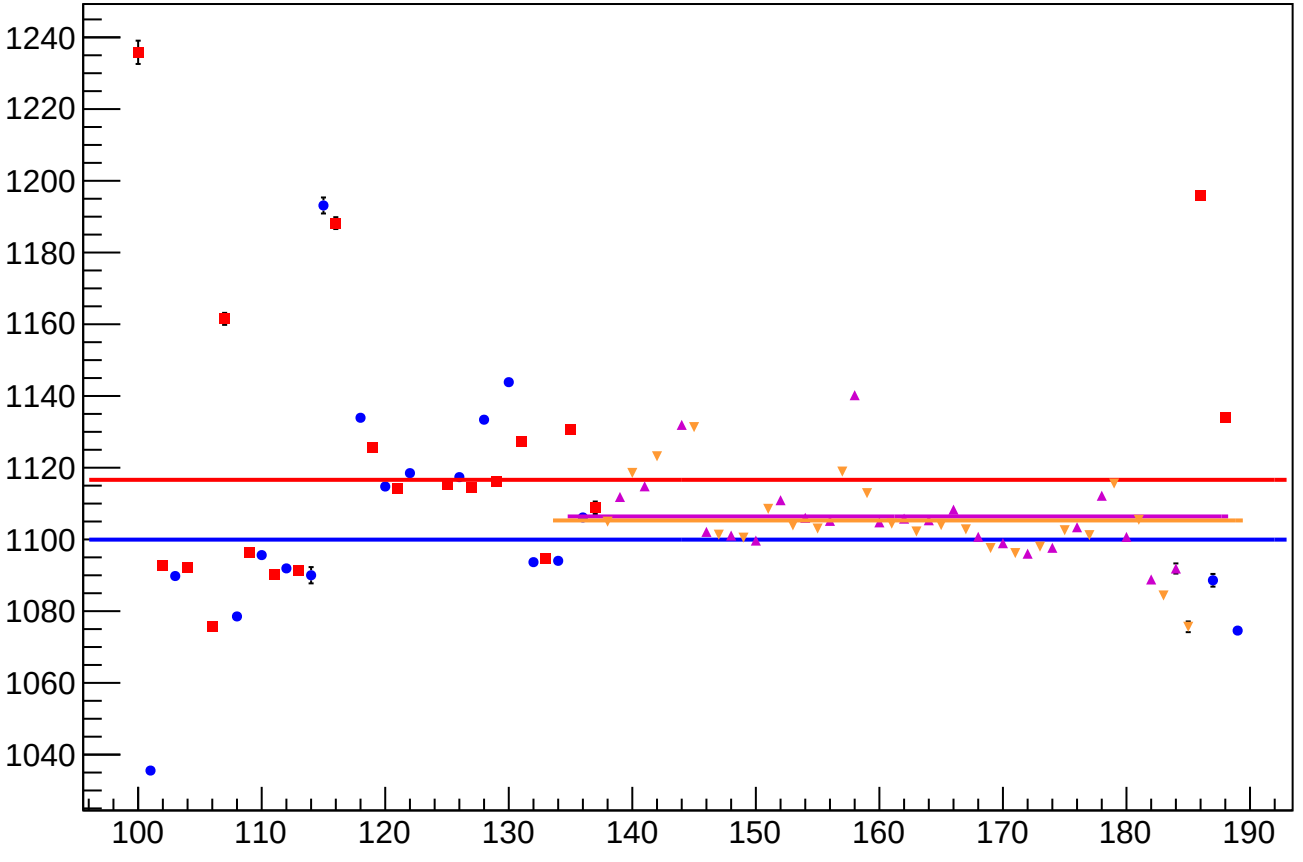
Right: 1852.478+/-271.288 χ^2/NDF: 19.5/37

In: 1845.329+/-215.338 χ^2/NDF:30.6/40

Out: 1694.389+/-212.234 χ^2/NDF:29.0/43

All: 1768.763+/-151.158 χ^2/NDF: 59.9/84

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

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

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

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

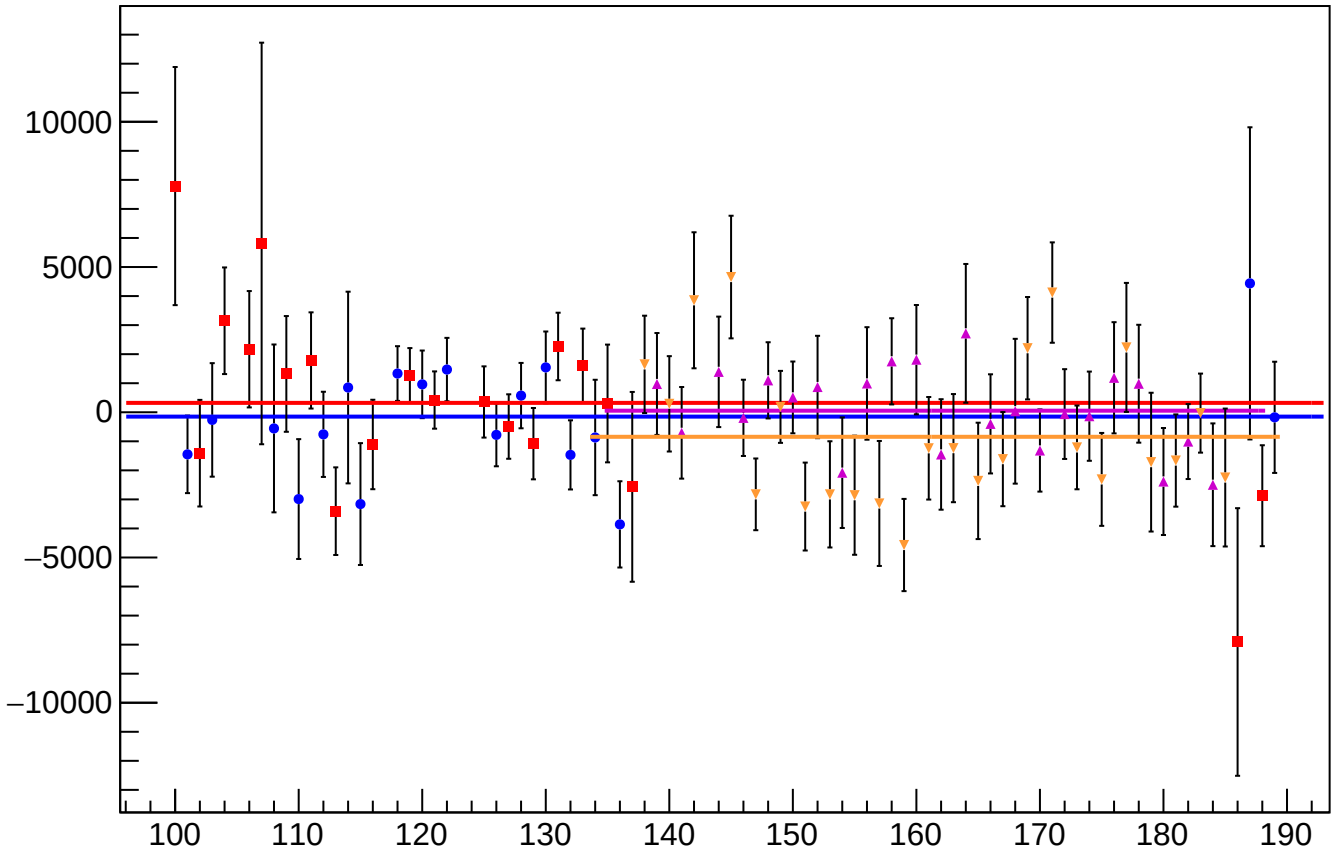
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.544+/-0.192 χ^2/NDF: 26156.2/37

In: 1104.434+/-0.152 χ^2/NDF:16200.0/40

Out: 1108.868+/-0.150 χ^2/NDF:16619.2/43

All: 1106.683+/-0.107 χ^2/NDF: 33249.4/84



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

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

Right Out: 322.955+/-337.536 χ^2/NDF: 30.1/19

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

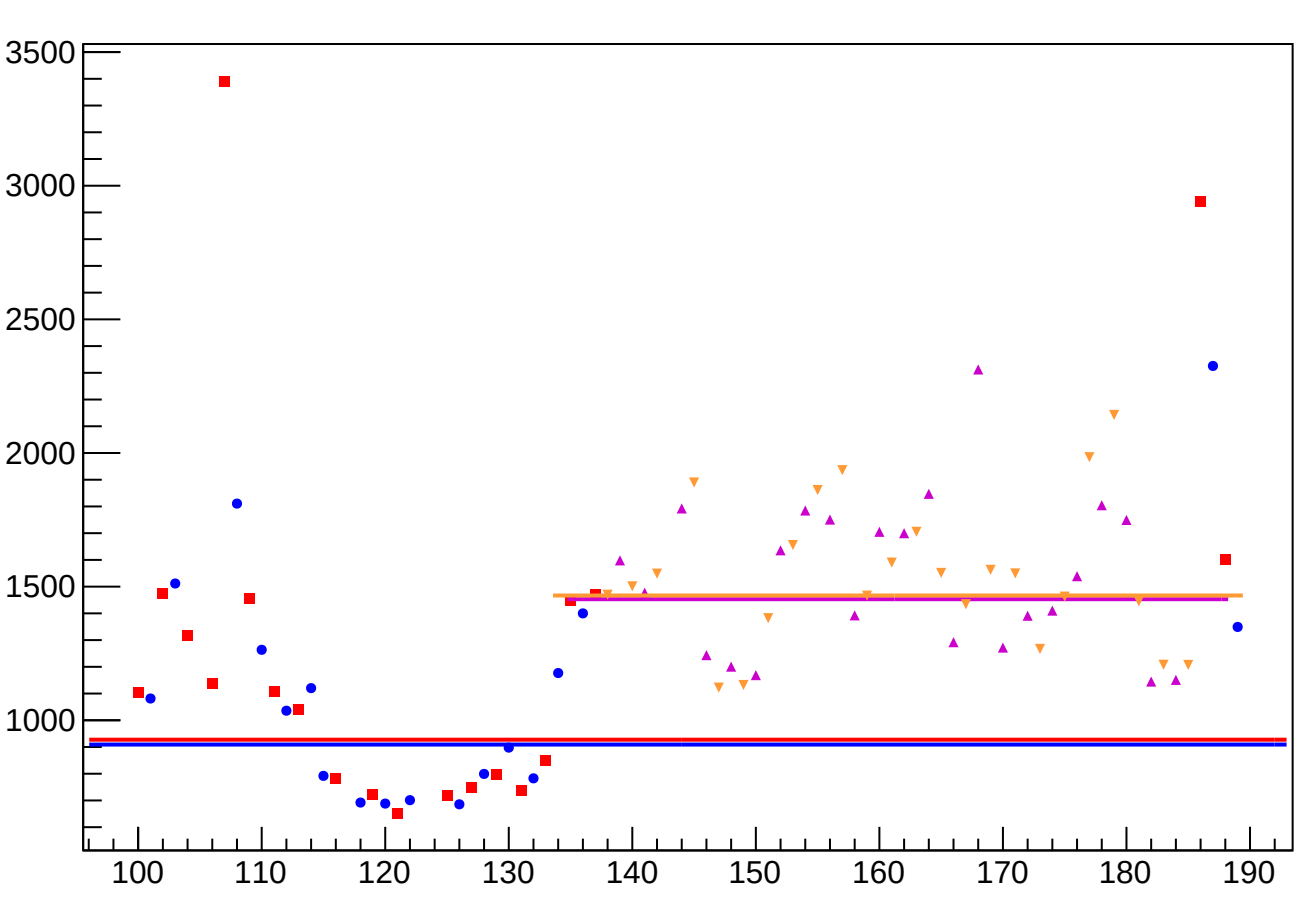
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 87.819+/-239.285 χ^2/NDF: 52.8/37

In: -49.689+/-242.232 χ^2/NDF:35.0/40

Out: -244.125+/-242.068 χ^2/NDF:80.1/43

All: -146.973+/-171.226 χ^2/NDF: 115.4/84



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

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

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

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

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

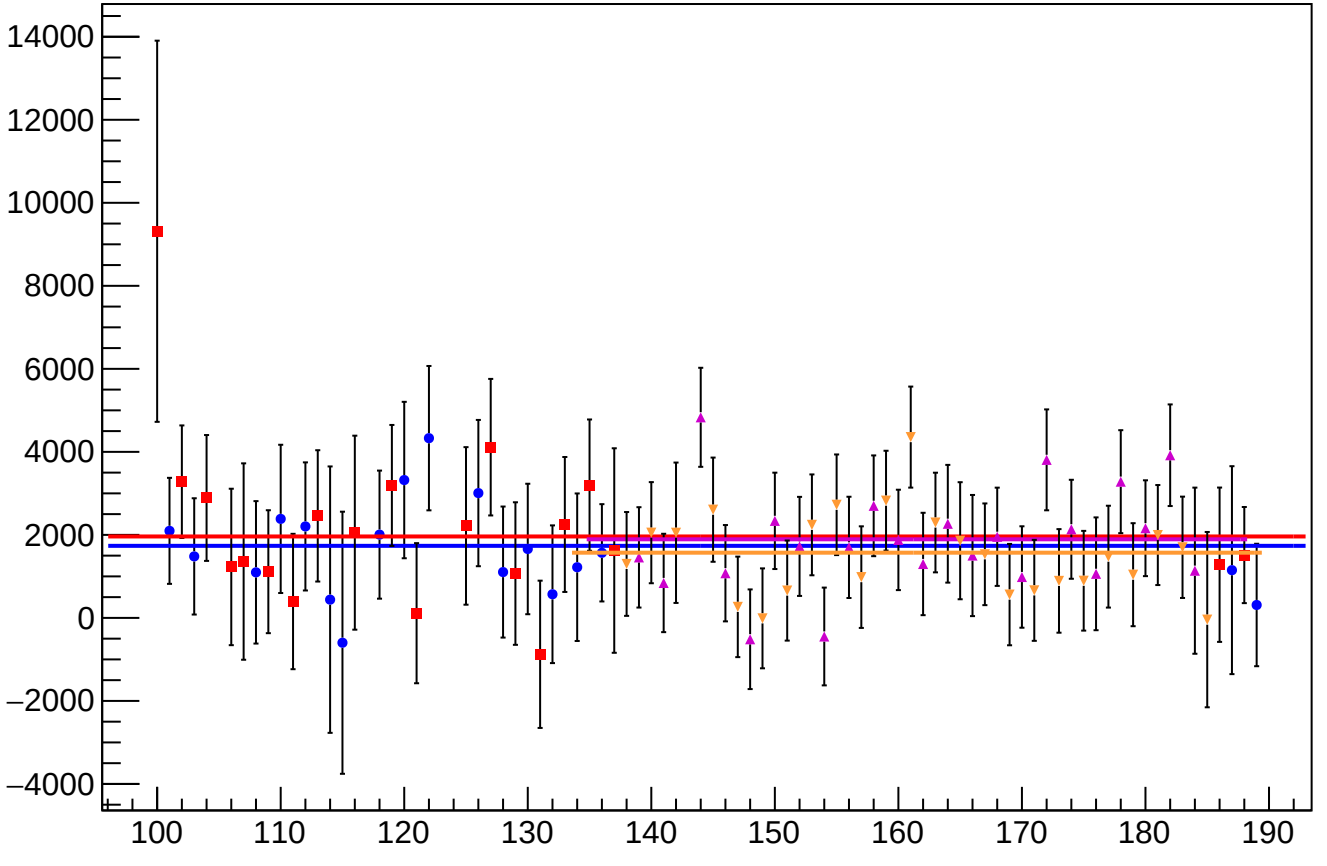
Right: 918.295+/-0.169 χ^2/NDF: 3439658.9/37

In: 1175.753+/-0.171 χ^2/NDF:5033191.2/40

Out: 1189.373+/-0.171 χ^2/NDF:5577244.5/43

All: 1182.568+/-0.121 χ^2/NDF: 10613599.3/8

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

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

Right Out: 1961.894+/-377.810 χ^2/NDF: 12.9/19

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

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

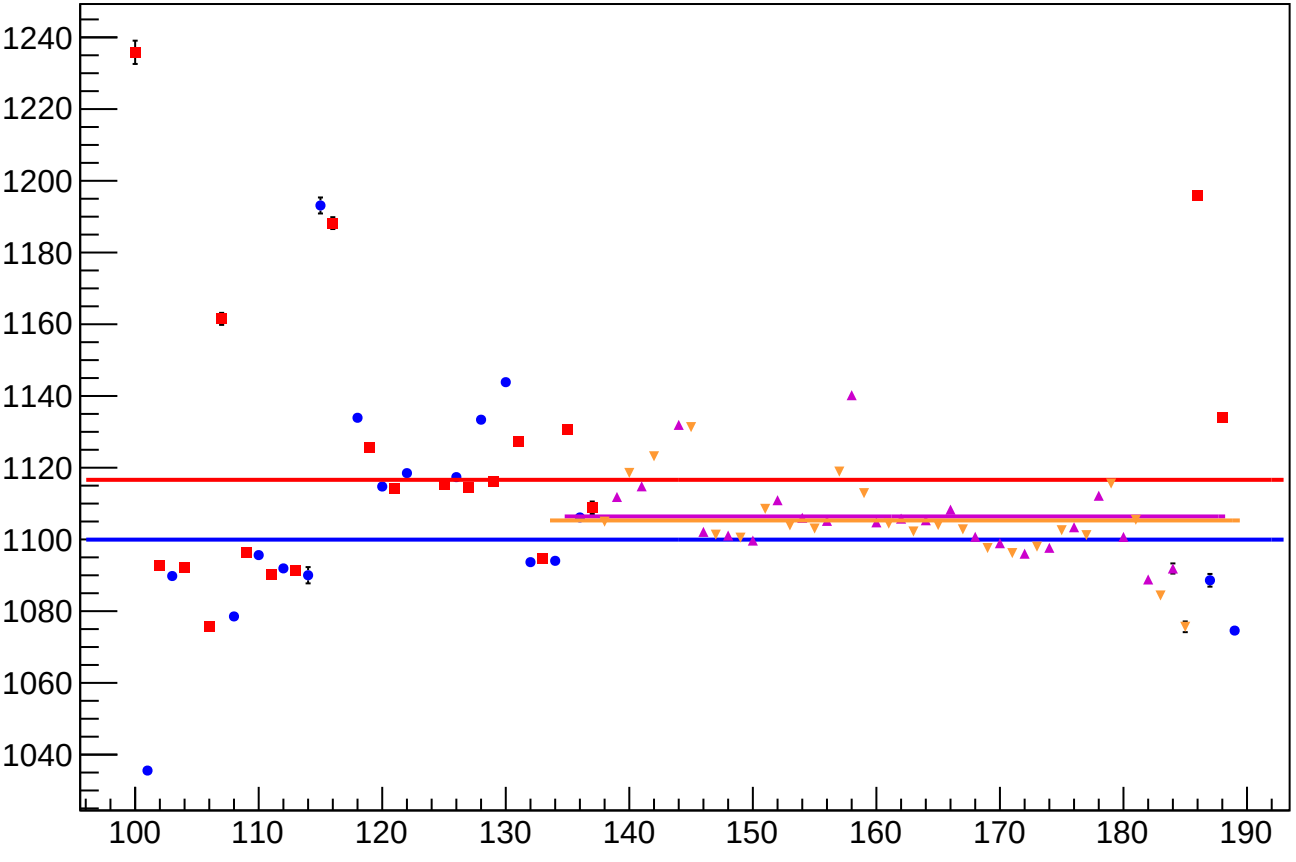
Right: 1852.478+/-271.288 χ^2/NDF: 19.5/37

In: 1845.329+/-215.338 χ^2/NDF:30.6/40

Out: 1694.389+/-212.234 χ^2/NDF:29.0/43

All: 1768.763+/-151.158 χ^2/NDF: 59.9/84

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

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

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

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

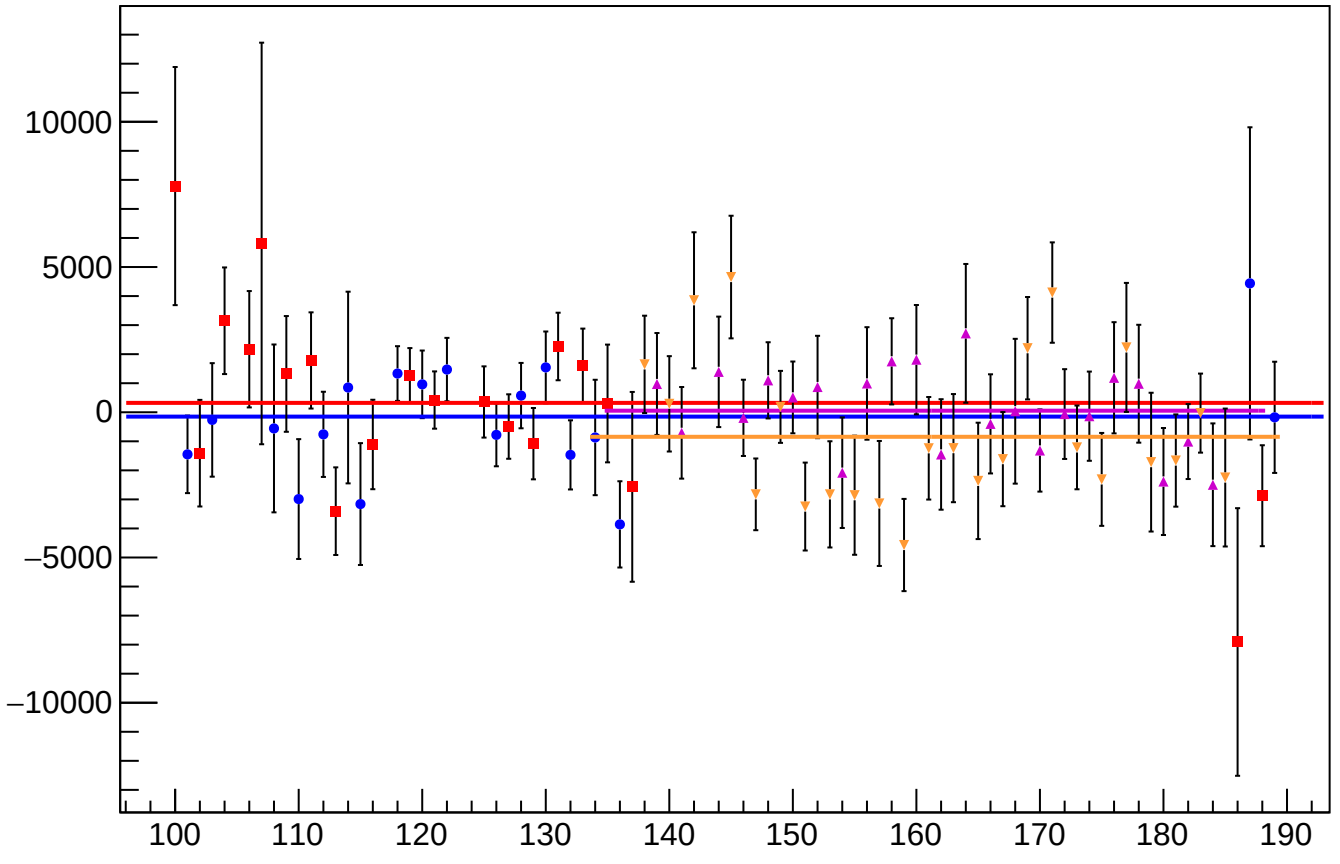
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.544+/-0.192 χ^2/NDF: 26156.2/37

In: 1104.434+/-0.152 χ^2/NDF:16200.0/40

Out: 1108.868+/-0.150 χ^2/NDF:16619.2/43

All: 1106.683+/-0.107 χ^2/NDF: 33249.4/84



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

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

Right Out: 322.955+/-337.536 χ^2/NDF: 30.1/19

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

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

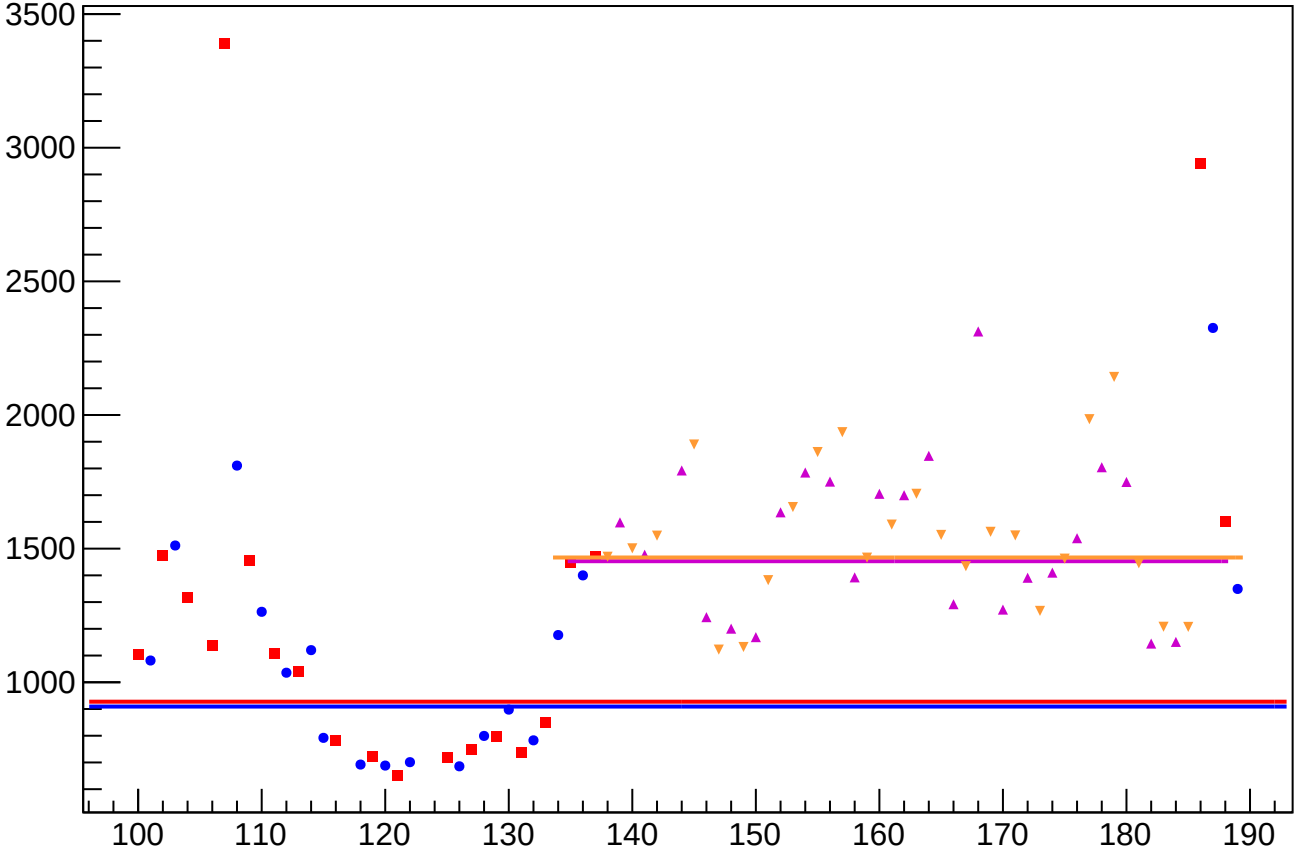
Right: 87.819+/-239.285 χ^2/NDF: 52.8/37

In: -49.689+/-242.232 χ^2/NDF:35.0/40

Out: -244.125+/-242.068 χ^2/NDF:80.1/43

All: -146.973+/-171.226 χ^2/NDF: 115.4/84

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

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

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

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

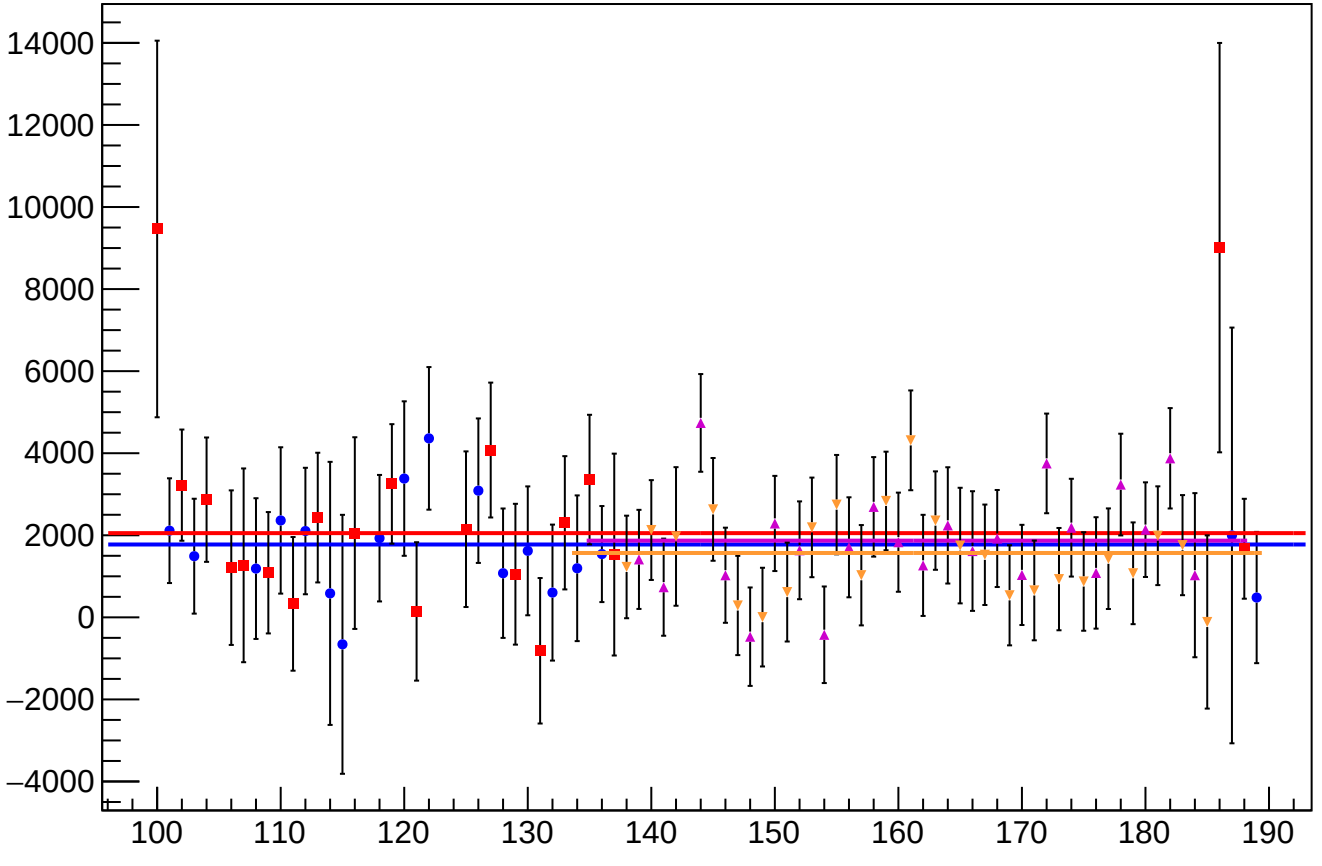
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 918.295+/-0.169 χ^2/NDF: 3439658.9/37

In: 1175.753+/-0.171 χ^2/NDF:5033191.2/40

Out: 1189.373+/-0.171 χ^2/NDF:5577244.5/43

All: 1182.568+/-0.121 χ^2/NDF: 10613599.3/8



Right In: 1775.556+/-395.200 χ^2/NDF: 6.1/17

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

Right Out: 2052.460+/-386.451 χ^2/NDF: 14.8/19

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

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

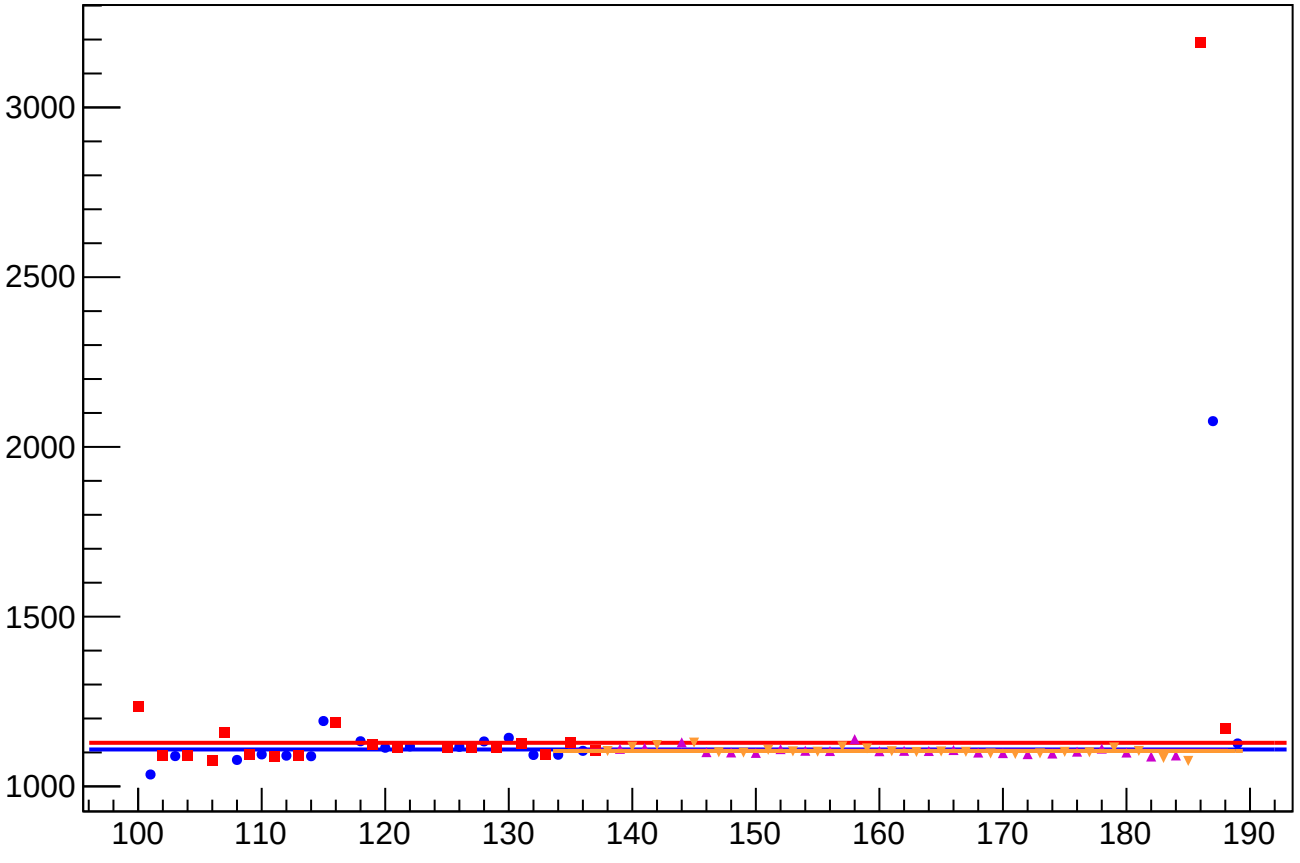
Right: 1917.107+/-276.303 χ^2/NDF: 21.2/37

In: 1841.301+/-216.097 χ^2/NDF:29.6/40

Out: 1716.537+/-213.591 χ^2/NDF:31.3/43

All: 1778.191+/-151.910 χ^2/NDF: 61.0/84

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1108.726+/-0.279 χ^2/NDF: 85124.4/17

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

Right Out: 1128.387+/-0.273 χ^2/NDF: 356074.9/19

Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

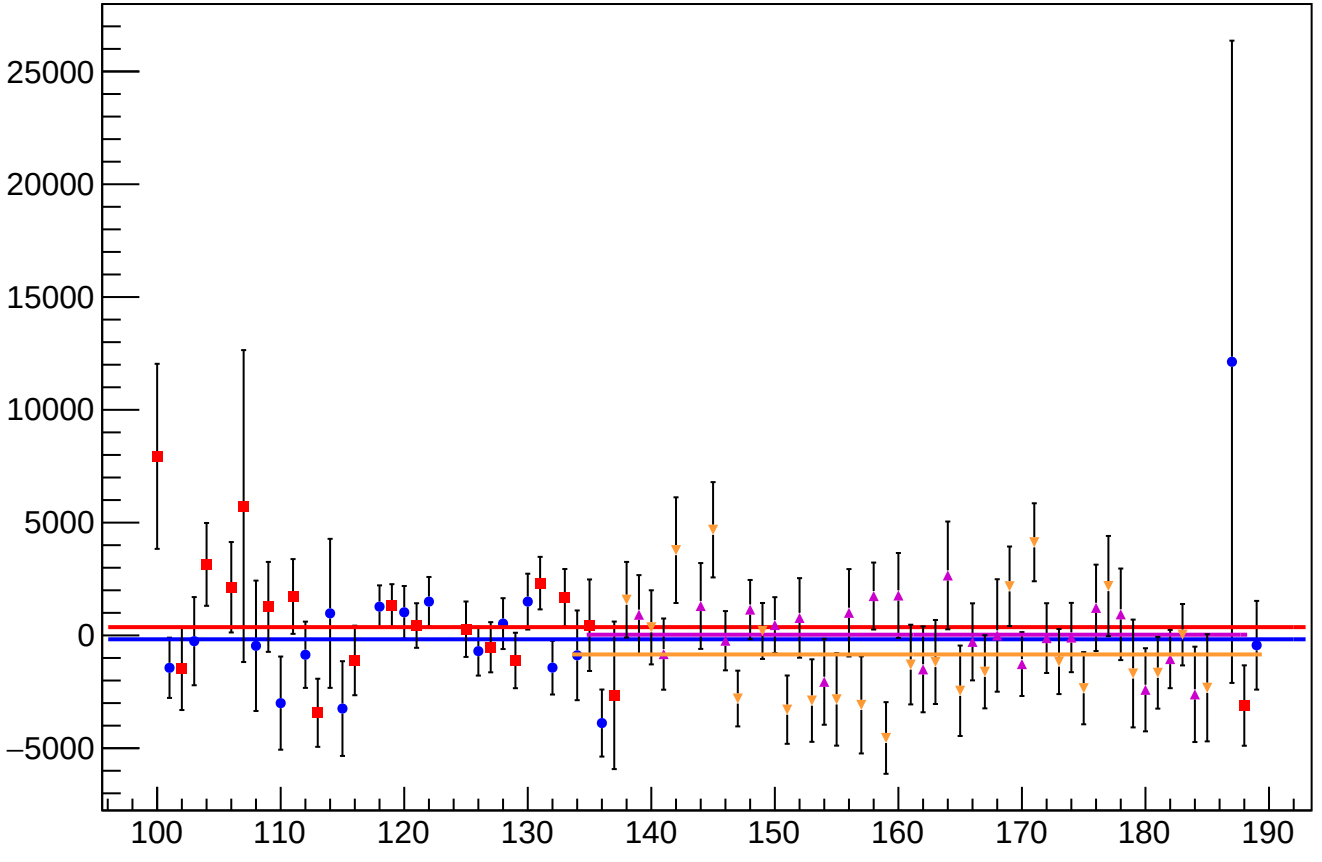
Right: 1118.776+/-0.195 χ^2/NDF: 443729.6/37

In: 1106.381+/-0.153 χ^2/NDF:88885.9/40

Out: 1111.629+/-0.151 χ^2/NDF:364489.0/43

All: 1109.035+/-0.107 χ^2/NDF: 453971.6/84

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -171.838+/-340.649 χ^2/NDF: 21.7/17

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

Right Out: 367.281+/-339.247 χ^2/NDF: 27.9/18

Left In: 31.387+/-346.155 χ^2/NDF:13.1/22

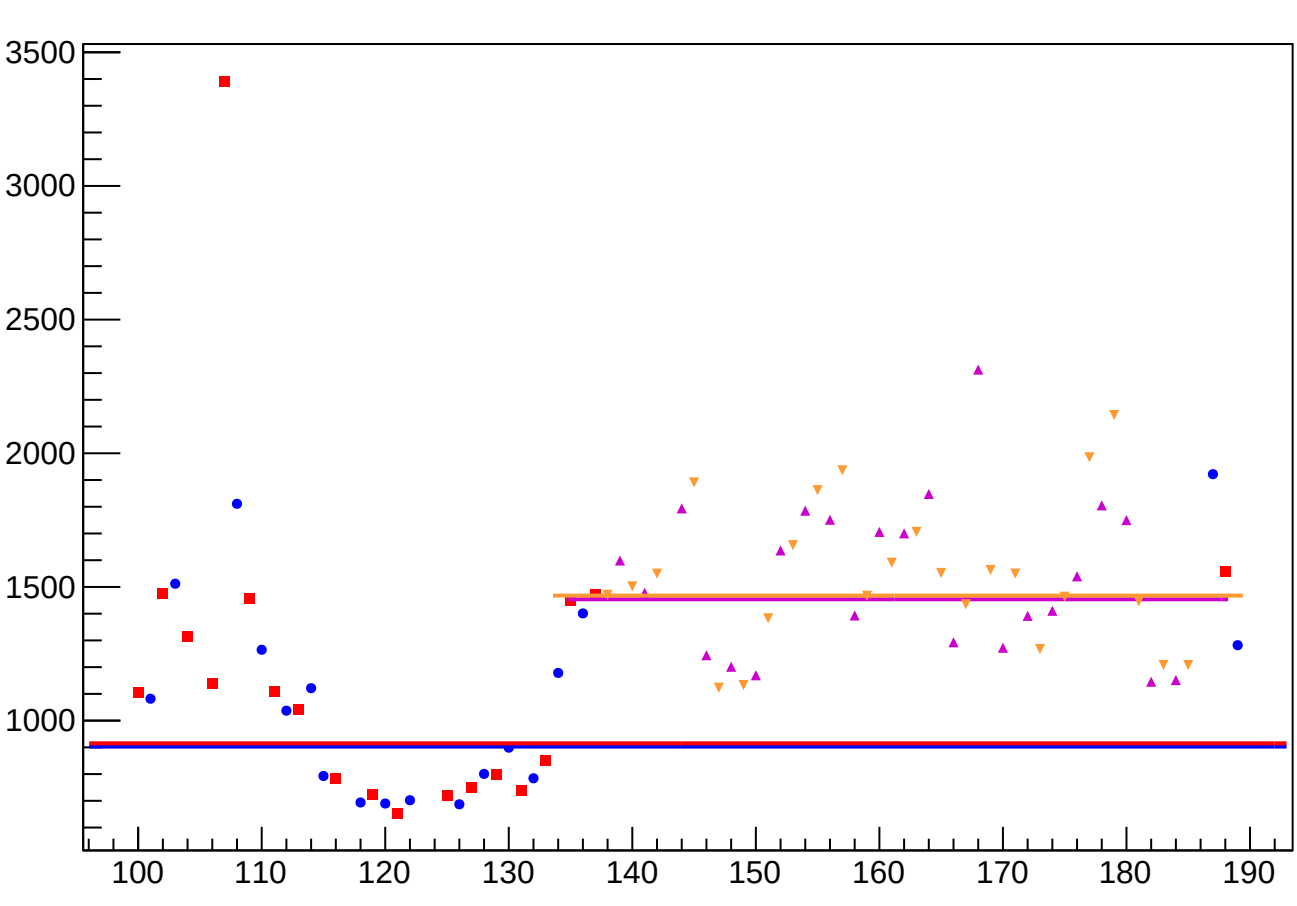
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 98.833+/-240.378 χ^2/NDF: 50.8/36

In: -71.855+/-242.799 χ^2/NDF:34.9/40

Out: -223.387+/-242.762 χ^2/NDF:78.1/42

All: -147.632+/-171.672 χ^2/NDF: 113.2/83



Right In: 902.838+/-0.241 χ^2/NDF: 1215946.0/17

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 915.093+/-0.240 χ^2/NDF: 1611492.8/18

Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

Left: 1460.738+/-0.173 χ^2/NDF: 2171472.5/46

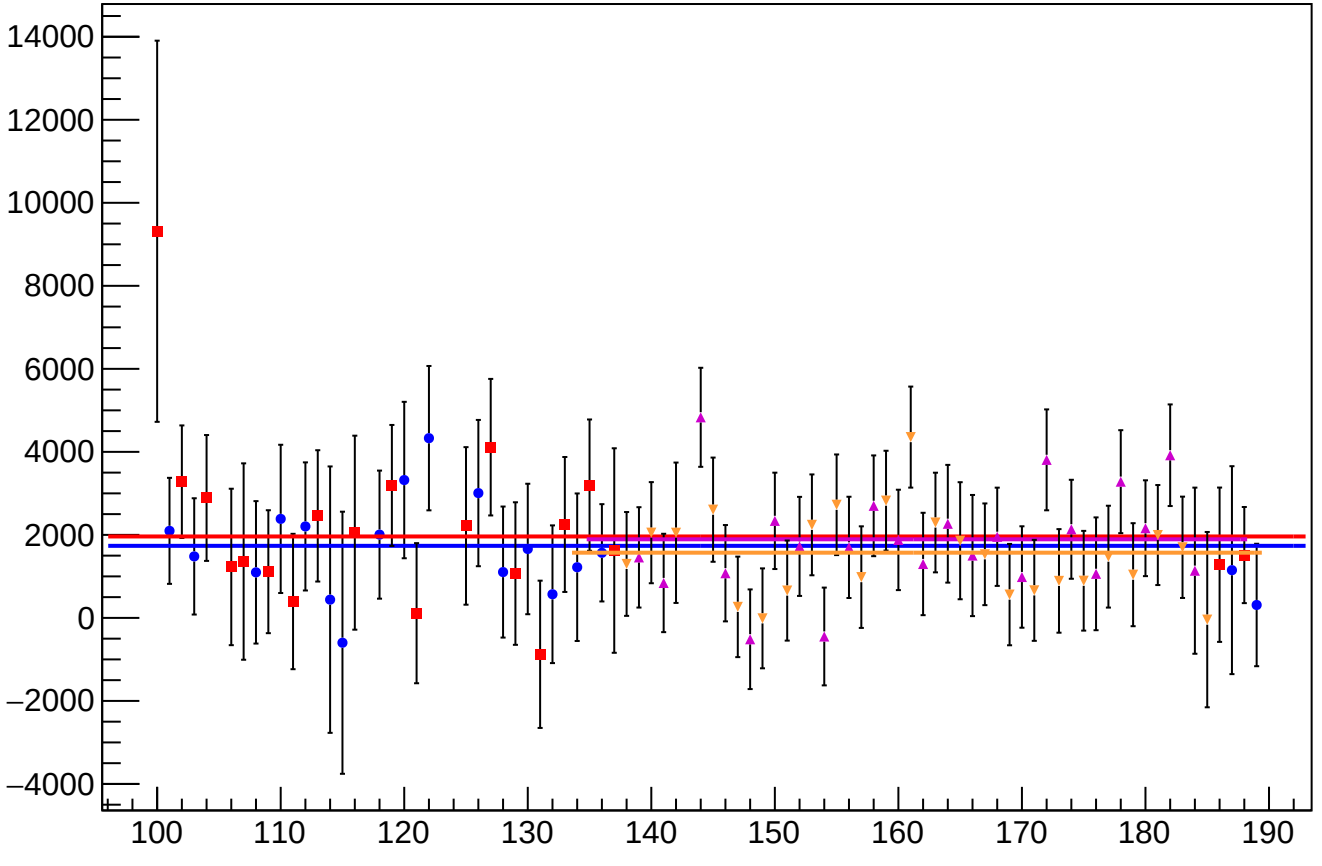
Right: 908.991+/-0.170 χ^2/NDF: 2828738.4/36

In: 1173.919+/-0.172 χ^2/NDF:4918266.2/40

Out: 1184.725+/-0.172 χ^2/NDF:5242673.9/42

All: 1179.323+/-0.121 χ^2/NDF: 10162921.1/8

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1736.014+/-389.789 χ^2/NDF: 6.4/17

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

Right Out: 1961.894+/-377.810 χ^2/NDF: 12.9/19

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

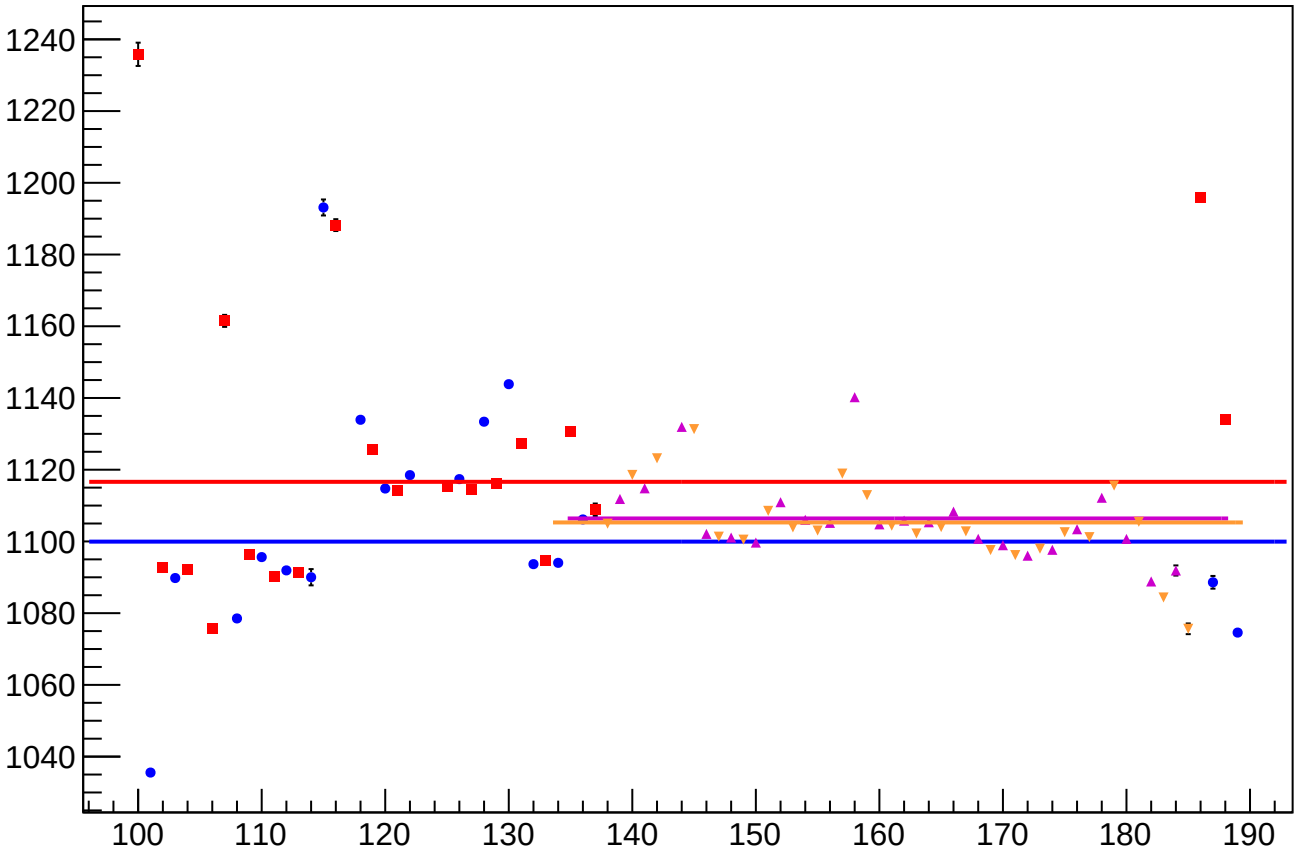
Left: 1731.072+/-182.032 χ^2/NDF: 40.3/46

Right: 1852.478+/-271.288 χ^2/NDF: 19.5/37

In: 1845.329+/-215.338 χ^2/NDF:30.6/40

Out: 1694.389+/-212.234 χ^2/NDF:29.0/43

All: 1768.763+/-151.158 χ^2/NDF: 59.9/84



Right In: 1099.947+/-0.276 χ^2/NDF: 12042.1/17

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

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

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

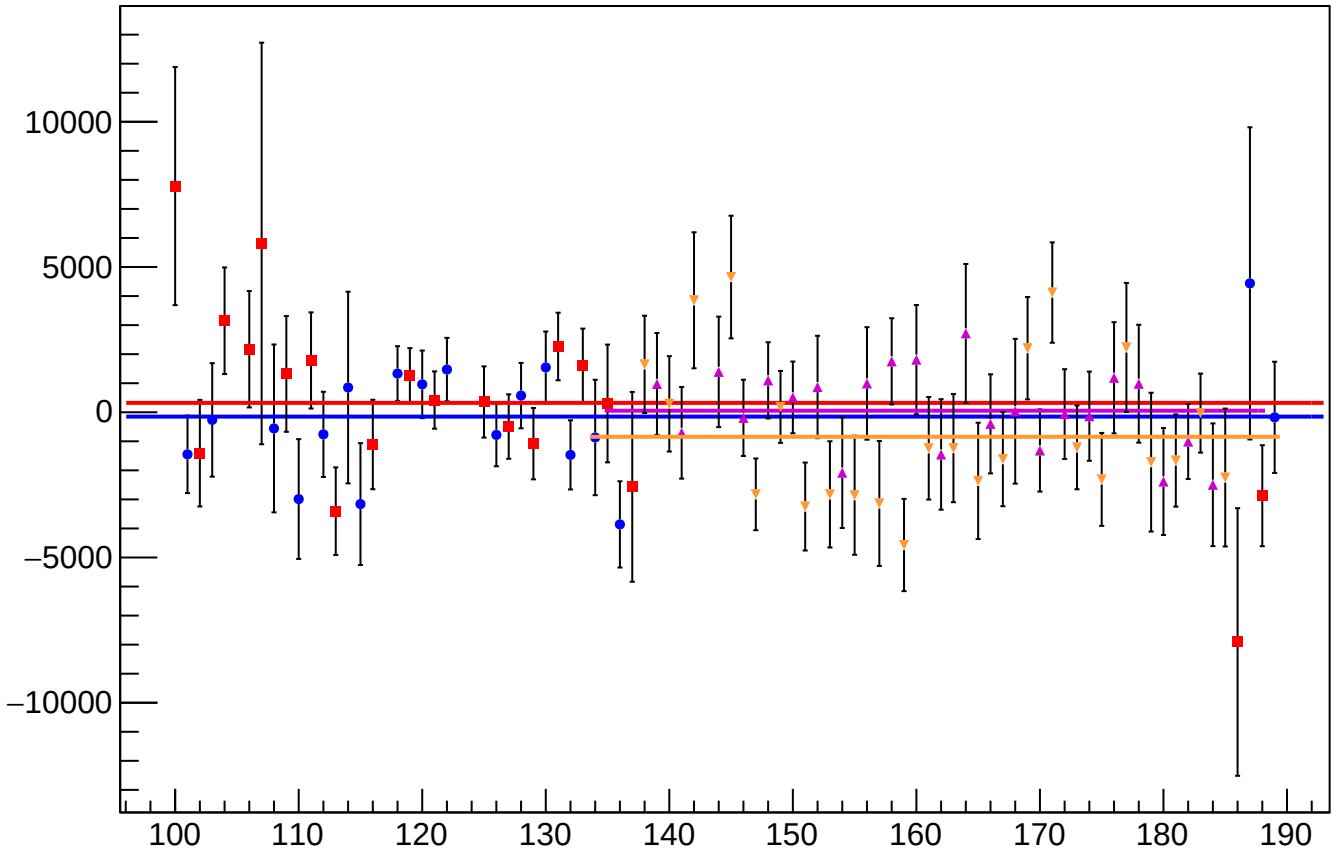
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1108.544+/-0.192 χ^2/NDF: 26156.2/37

In: 1104.434+/-0.152 χ^2/NDF:16200.0/40

Out: 1108.868+/-0.150 χ^2/NDF:16619.2/43

All: 1106.683+/-0.107 χ^2/NDF: 33249.4/84



Right In: -149.741+/-339.271 χ^2/NDF: 21.7/17

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

Right Out: 322.955+/-337.536 χ^2/NDF: 30.1/19

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

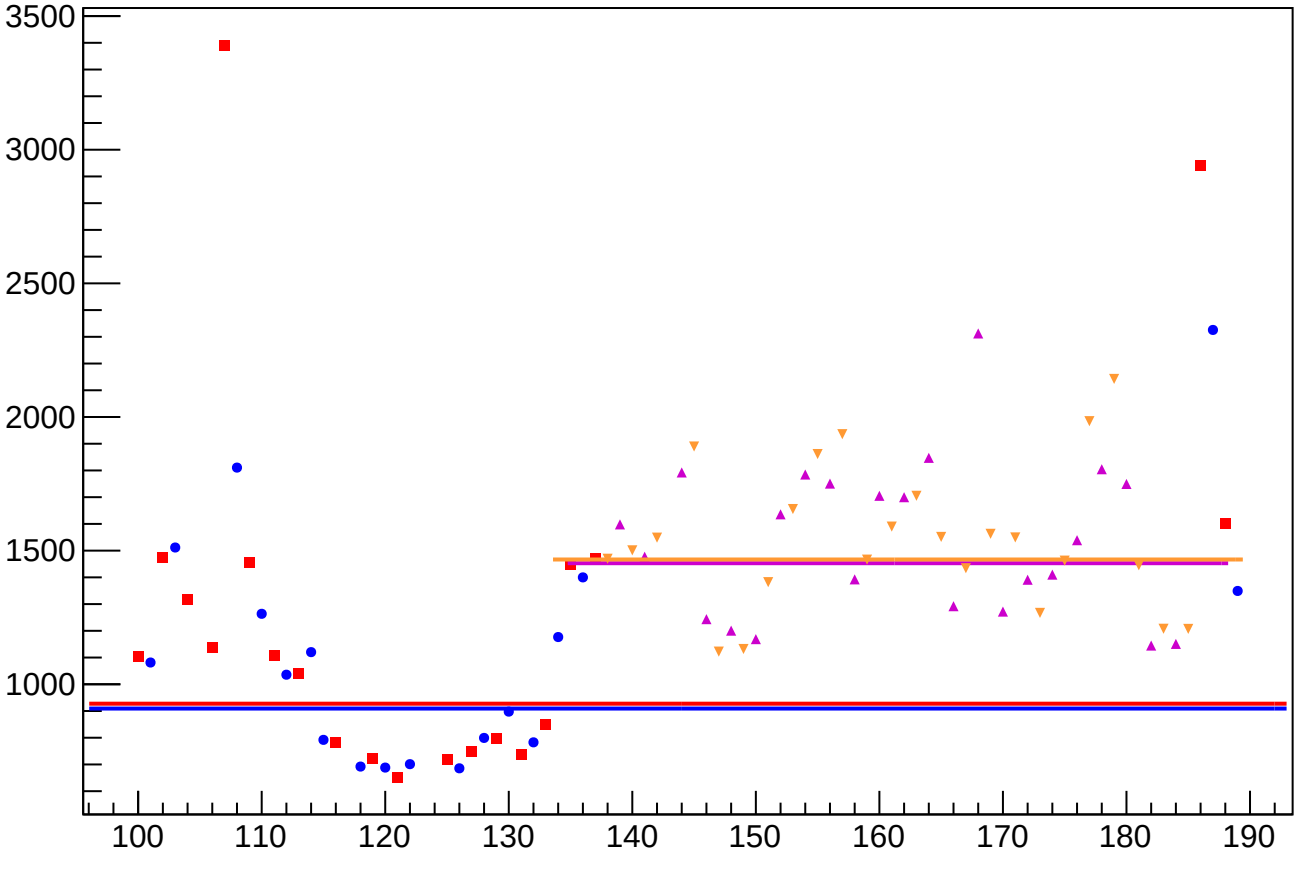
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 87.819+/-239.285 χ^2/NDF: 52.8/37

In: -49.689+/-242.232 χ^2/NDF:35.0/40

Out: -244.125+/-242.068 χ^2/NDF:80.1/43

All: -146.973+/-171.226 χ^2/NDF: 115.4/84



Right In: 909.144+/-0.240 χ^2/NDF: 1384307.5/17

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

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

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

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

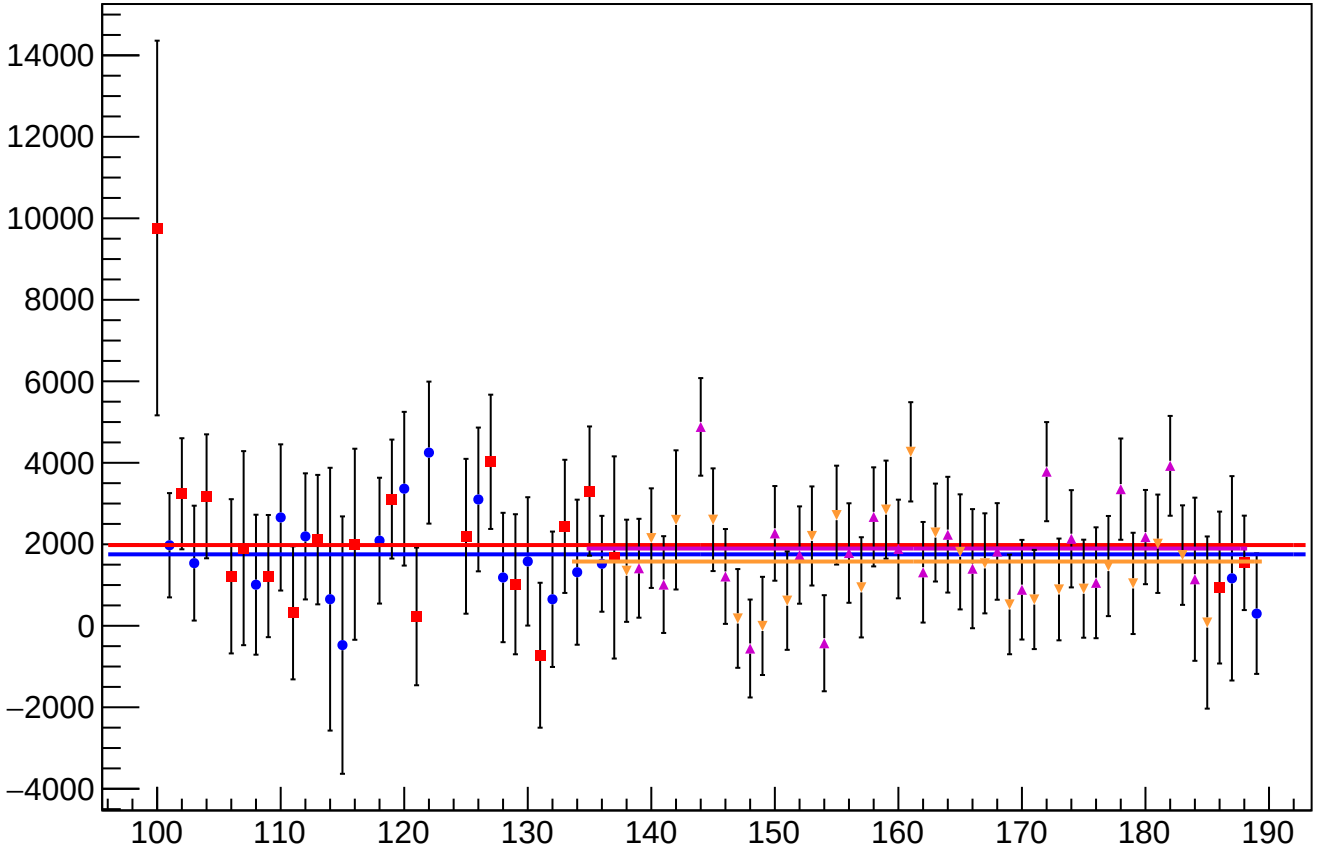
Right: 918.295+/-0.169 χ^2/NDF: 3439658.9/37

In: 1175.753+/-0.171 χ^2/NDF:5033191.2/40

Out: 1189.373+/-0.171 χ^2/NDF:5577244.5/43

All: 1182.568+/-0.121 χ^2/NDF: 10613599.3/8

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1753.471+/-390.887 χ^2/NDF: 6.3/17

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 1981.316+/-379.081 χ^2/NDF: 12.9/19

Left In: 1895.548+/-258.750 χ^2/NDF:24.1/22

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

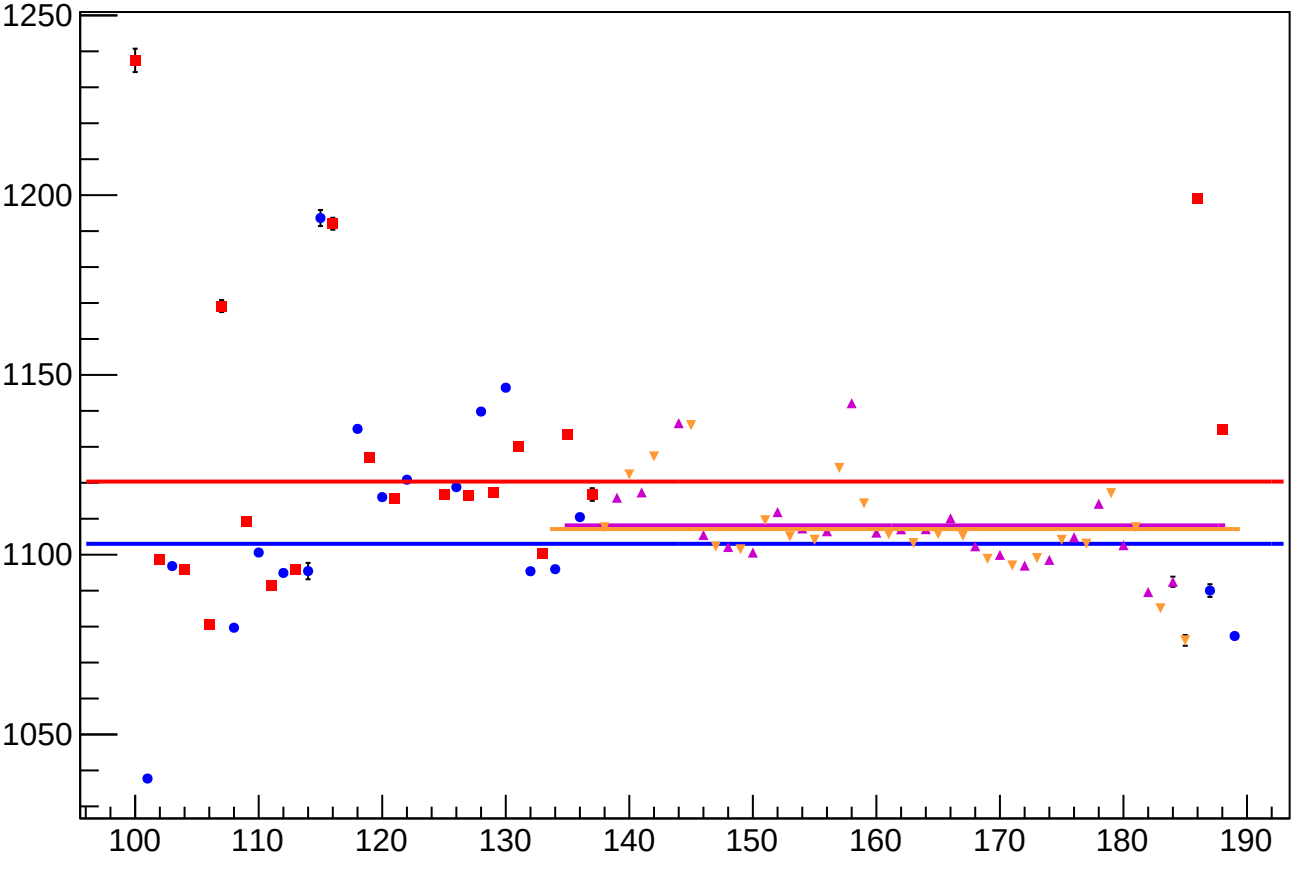
Right: 1870.886+/-272.129 χ^2/NDF: 19.4/37

In: 1852.260+/-215.761 χ^2/NDF:30.5/40

Out: 1704.593+/-212.724 χ^2/NDF:29.2/43

All: 1777.380+/-151.481 χ^2/NDF: 59.9/84

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1103.029+/-0.276 χ^2/NDF: 12050.2/17

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1120.338+/-0.268 χ^2/NDF: 11582.1/19

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

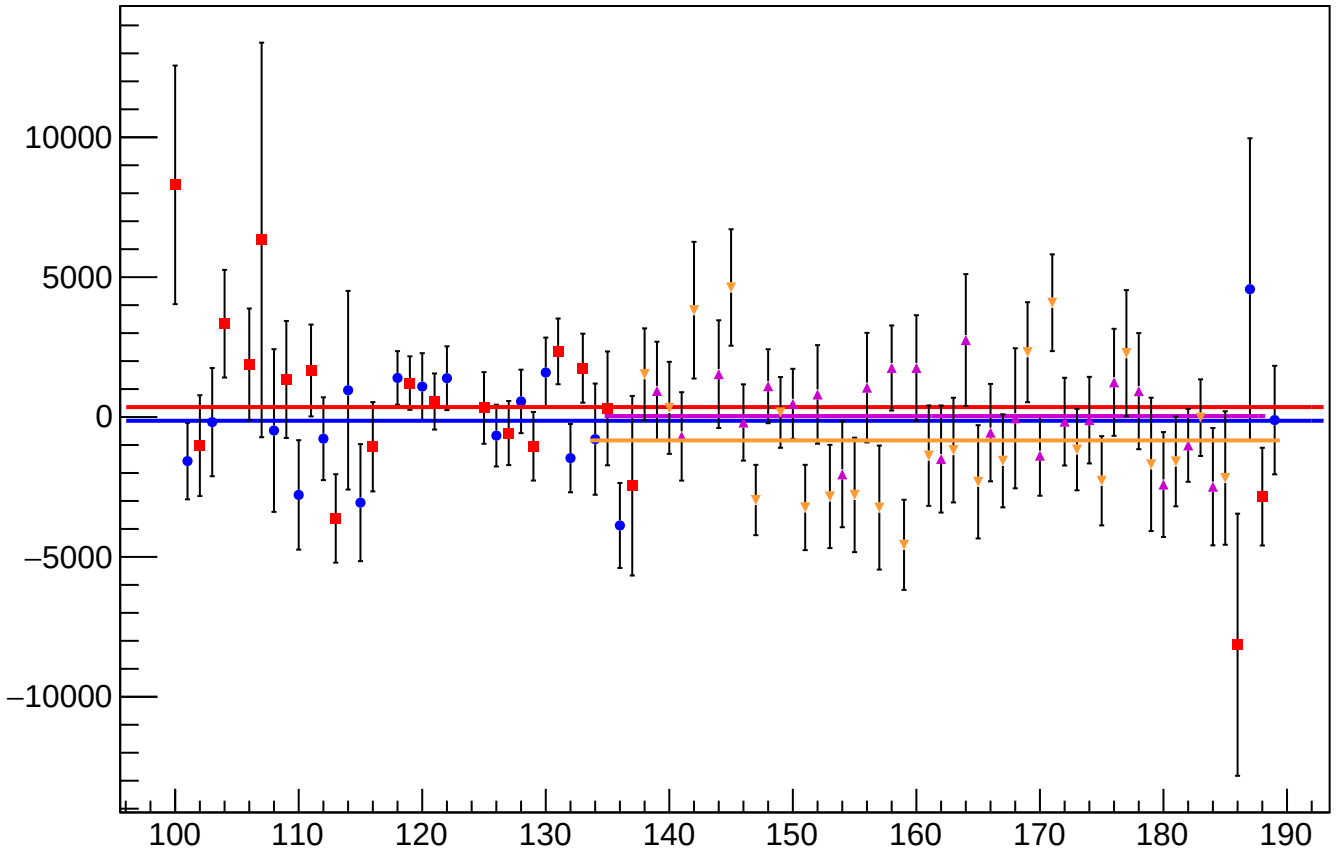
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1111.949+/-0.192 χ^2/NDF: 25653.4/37

In: 1106.586+/-0.153 χ^2/NDF:16479.0/40

Out: 1111.287+/-0.150 χ^2/NDF:17030.1/43

All: 1108.970+/-0.107 χ^2/NDF: 33990.5/84



Right In: -133.244+/-344.986 χ^2/NDF: 21.2/17

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 355.780+/-342.641 χ^2/NDF: 30.1/19

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

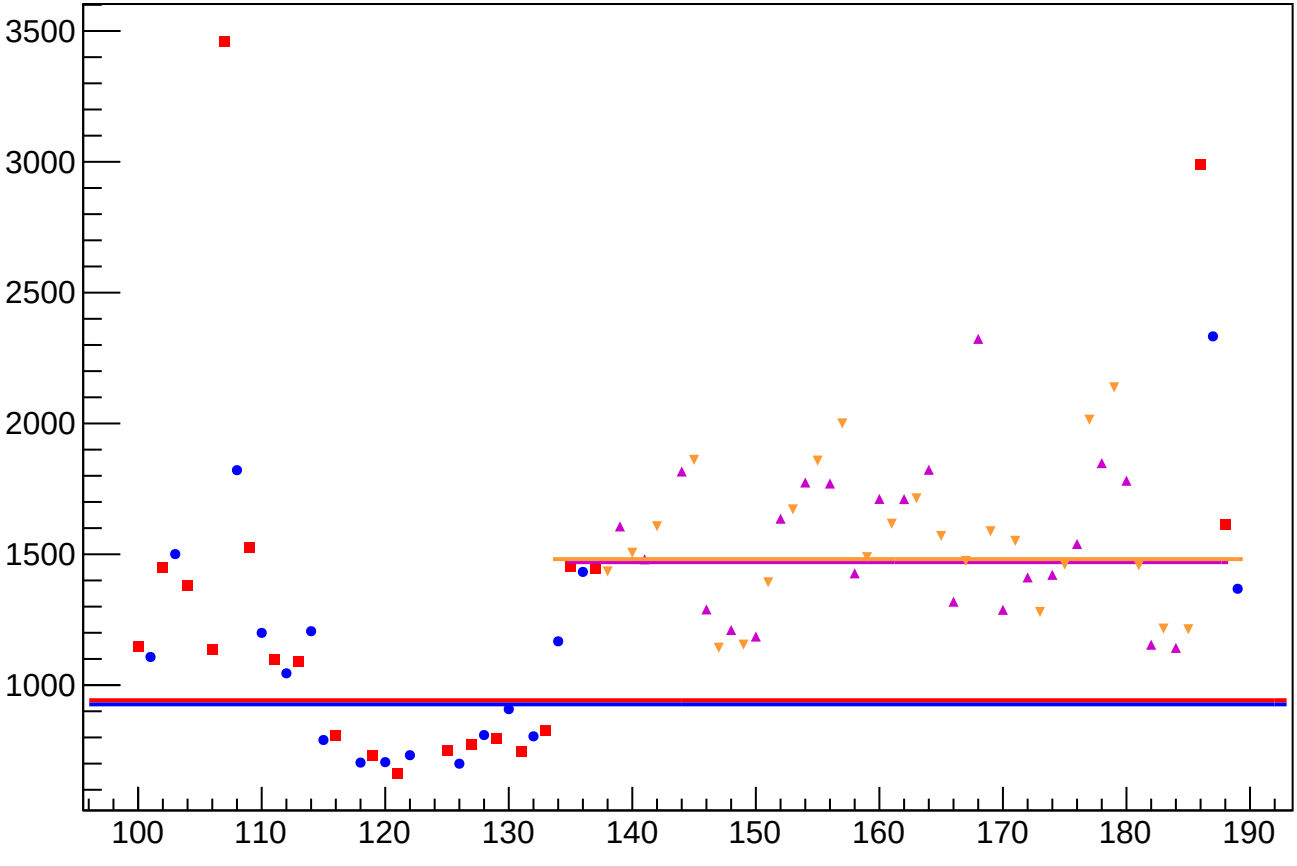
Right: 112.936+/-243.108 χ^2/NDF: 52.4/37

In: -49.994+/-245.569 χ^2/NDF:34.5/40

Out: -226.055+/-245.054 χ^2/NDF:79.6/43

All: -138.209+/-173.461 χ^2/NDF: 114.3/84

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 926.491+/-0.244 χ^2/NDF: 1325863.1/17

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 942.188+/-0.242 χ^2/NDF: 2040690.5/19

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

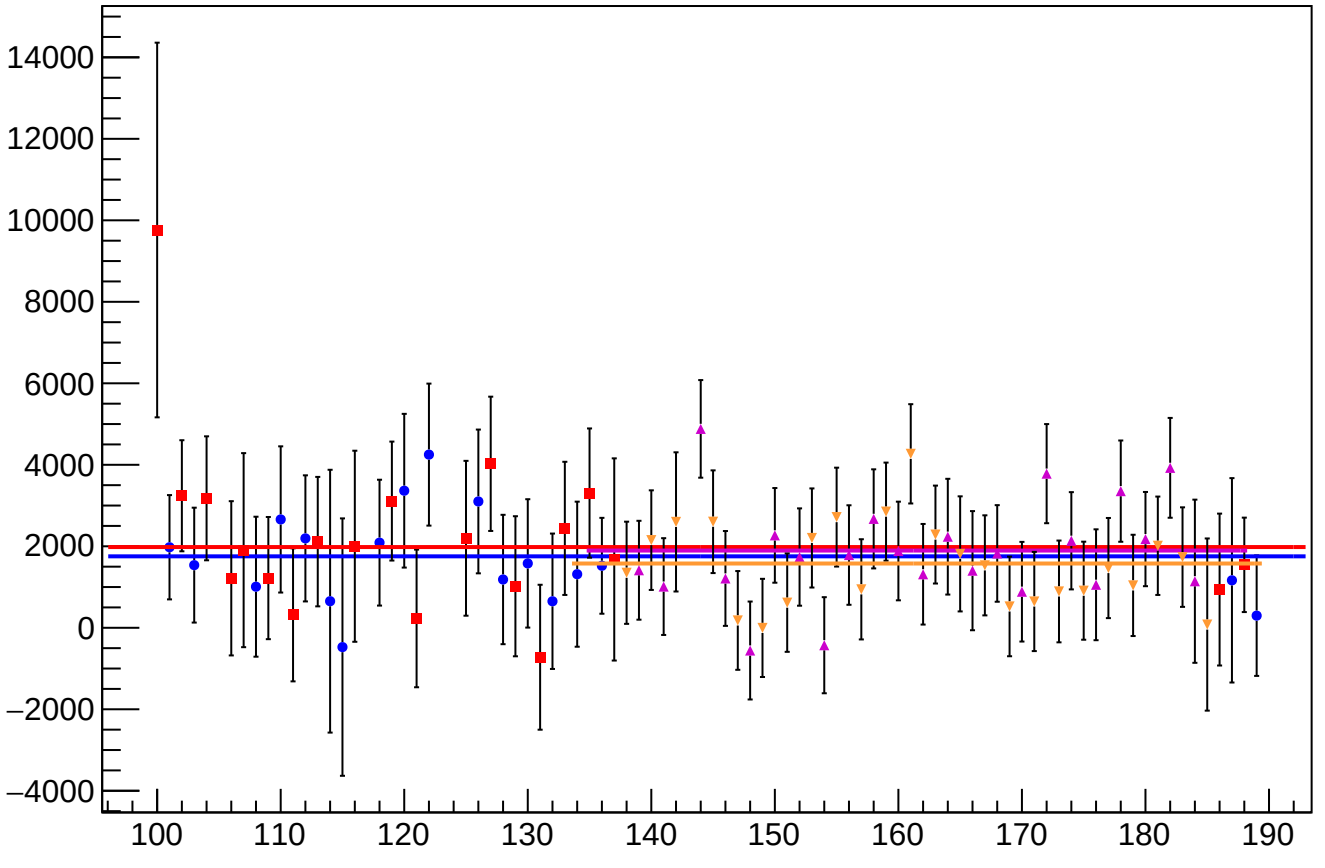
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 934.393+/-0.172 χ^2/NDF: 3368637.8/37

In: 1194.561+/-0.174 χ^2/NDF:4868902.7/40

Out: 1205.662+/-0.173 χ^2/NDF:5478997.6/43

All: 1200.123+/-0.123 χ^2/NDF: 10349948.0/8



Right In: 1753.470+/-390.887 χ^2/NDF: 6.3/17

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 1981.313+/-379.081 χ^2/NDF: 12.9/19

Left In: 1895.549+/-258.750 χ^2/NDF:24.1/22

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

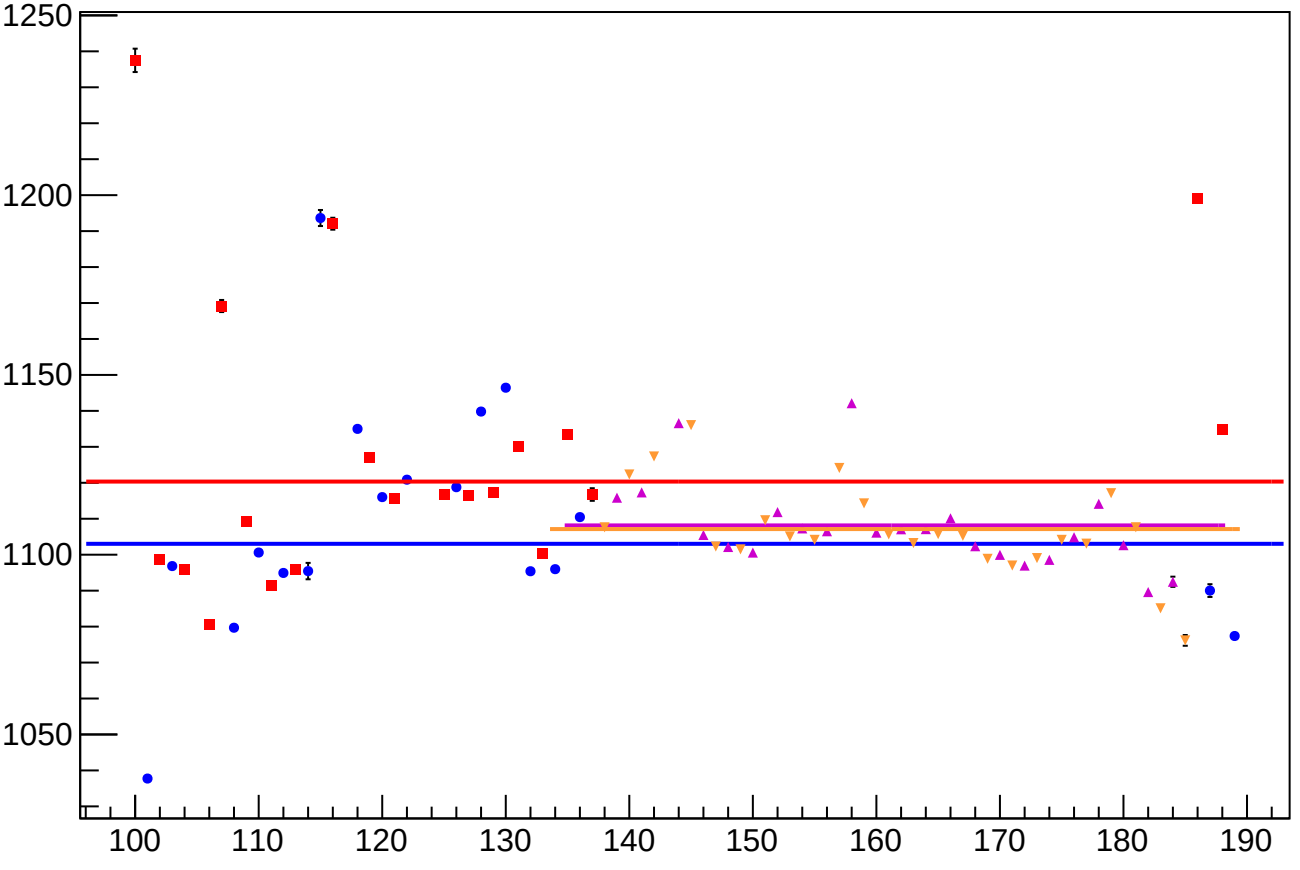
Right: 1870.885+/-272.129 χ^2/NDF: 19.4/37

In: 1852.260+/-215.761 χ^2/NDF:30.5/40

Out: 1704.591+/-212.724 χ^2/NDF:29.2/43

All: 1777.379+/-151.481 χ^2/NDF: 59.9/84

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1103.029+/-0.276 χ^2/NDF: 12050.2/17

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1120.338+/-0.268 χ^2/NDF: 11582.1/19

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

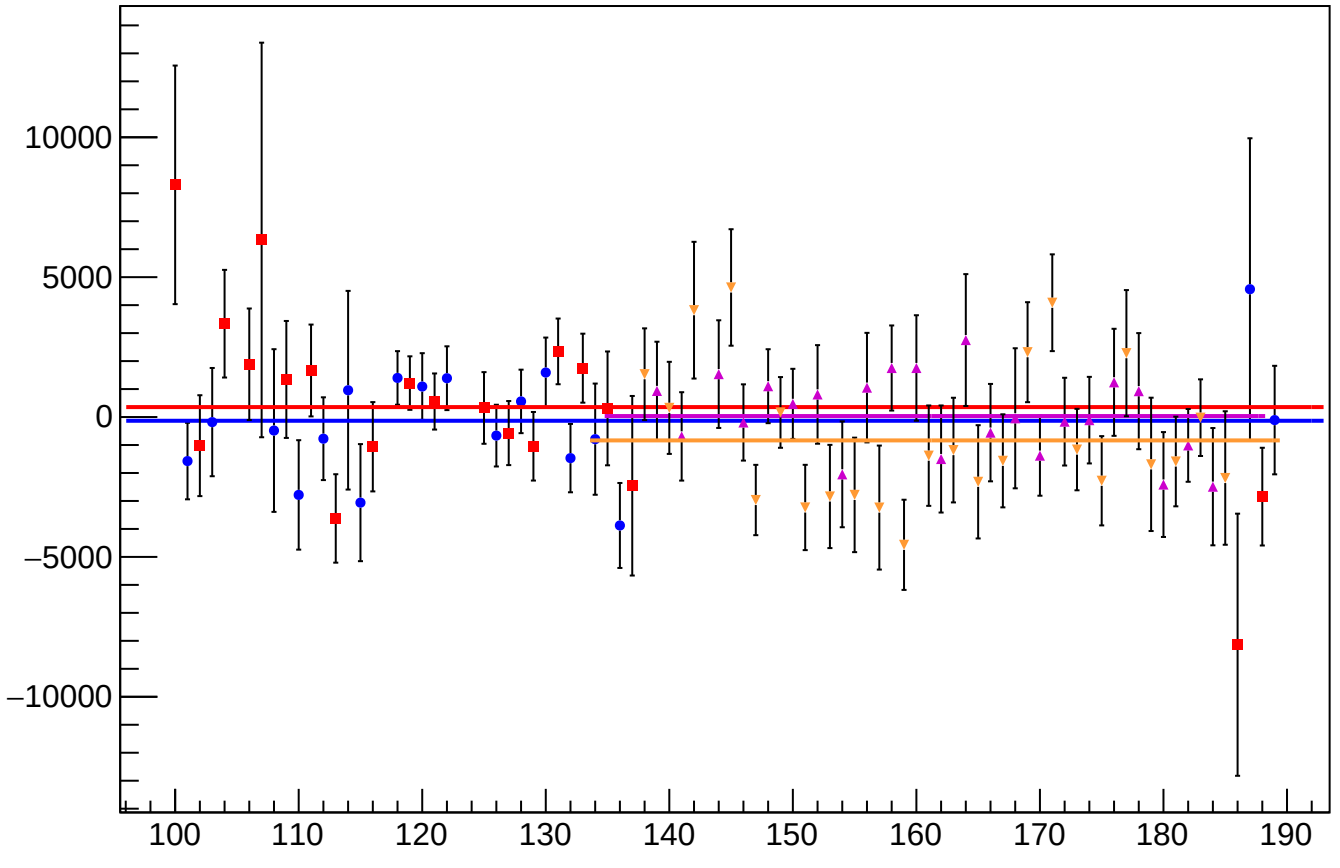
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1111.949+/-0.192 χ^2/NDF: 25653.4/37

In: 1106.586+/-0.153 χ^2/NDF:16479.0/40

Out: 1111.287+/-0.150 χ^2/NDF:17030.1/43

All: 1108.970+/-0.107 χ^2/NDF: 33990.5/84



Right In: -133.243+/-344.985 χ^2/NDF: 21.2/17

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 355.780+/-342.640 χ^2/NDF: 30.1/19

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

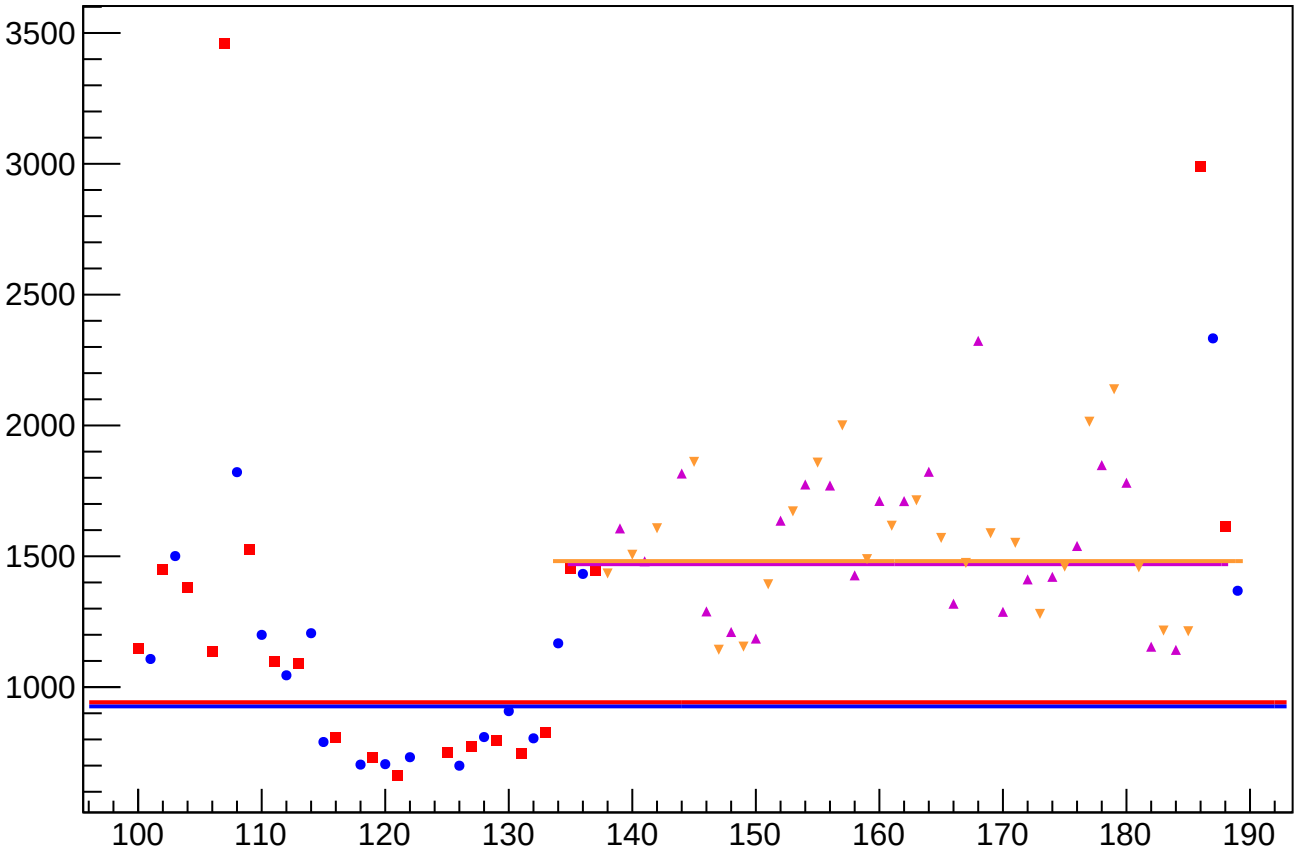
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 112.937+/-243.108 χ^2/NDF: 52.4/37

In: -49.993+/-245.569 χ^2/NDF:34.5/40

Out: -226.054+/-245.054 χ^2/NDF:79.6/43

All: -138.209+/-173.461 χ^2/NDF: 114.3/84



Right In: 926.489+/-0.244 χ^2/NDF: 1325869.2/17

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 942.185+/-0.242 χ^2/NDF: 2040697.1/19

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

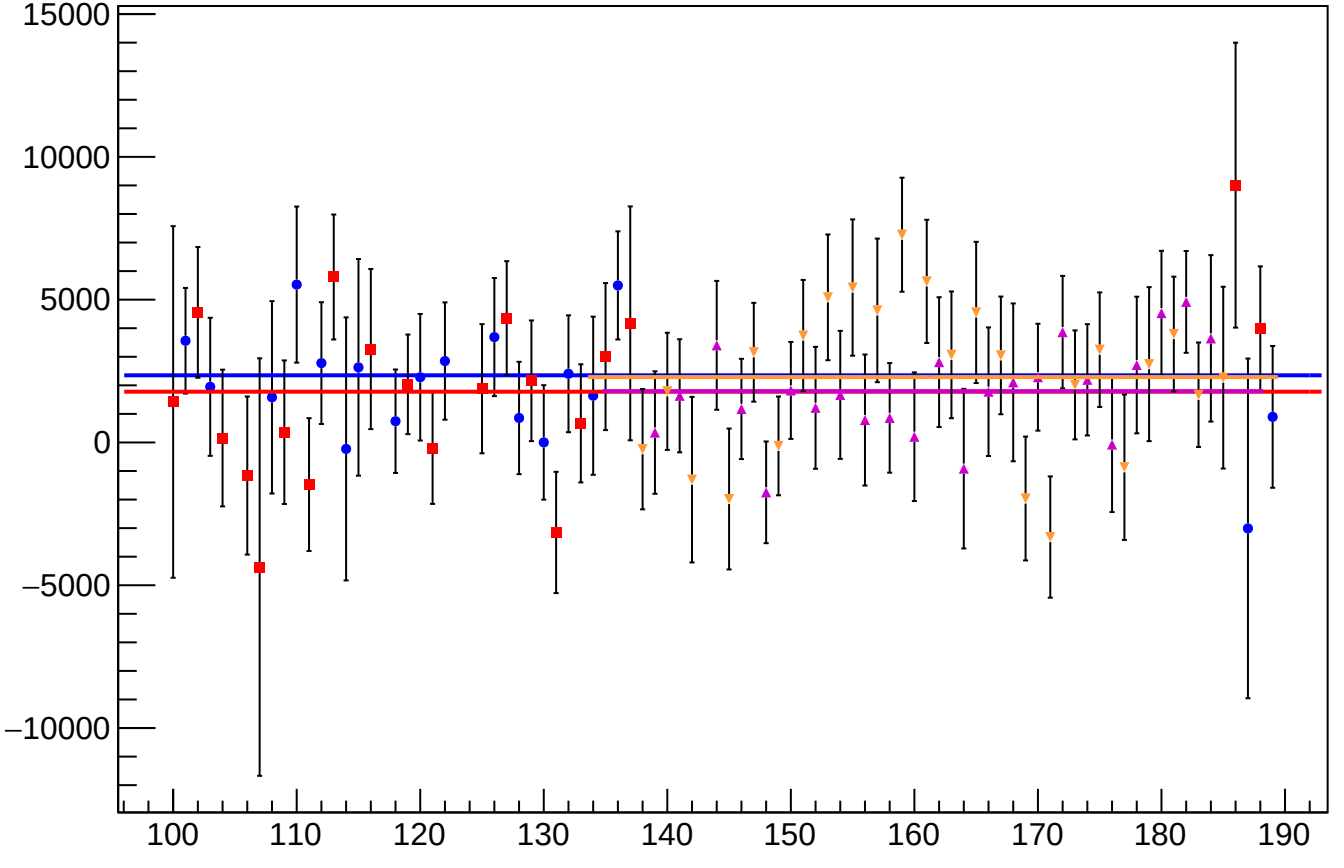
Right: 934.391+/-0.172 χ^2/NDF: 3368650.5/37

In: 1194.560+/-0.174 χ^2/NDF:4868938.5/40

Out: 1205.661+/-0.173 χ^2/NDF:5479036.0/43

All: 1200.122+/-0.123 χ^2/NDF: 10350022.2/8

asym_usl_mean vs Slug, Sign Corrected



Right In: 2351.222+/-546.542 χ^2/NDF: 9.4/17

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 1777.337+/-542.382 χ^2/NDF: 21.8/19

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

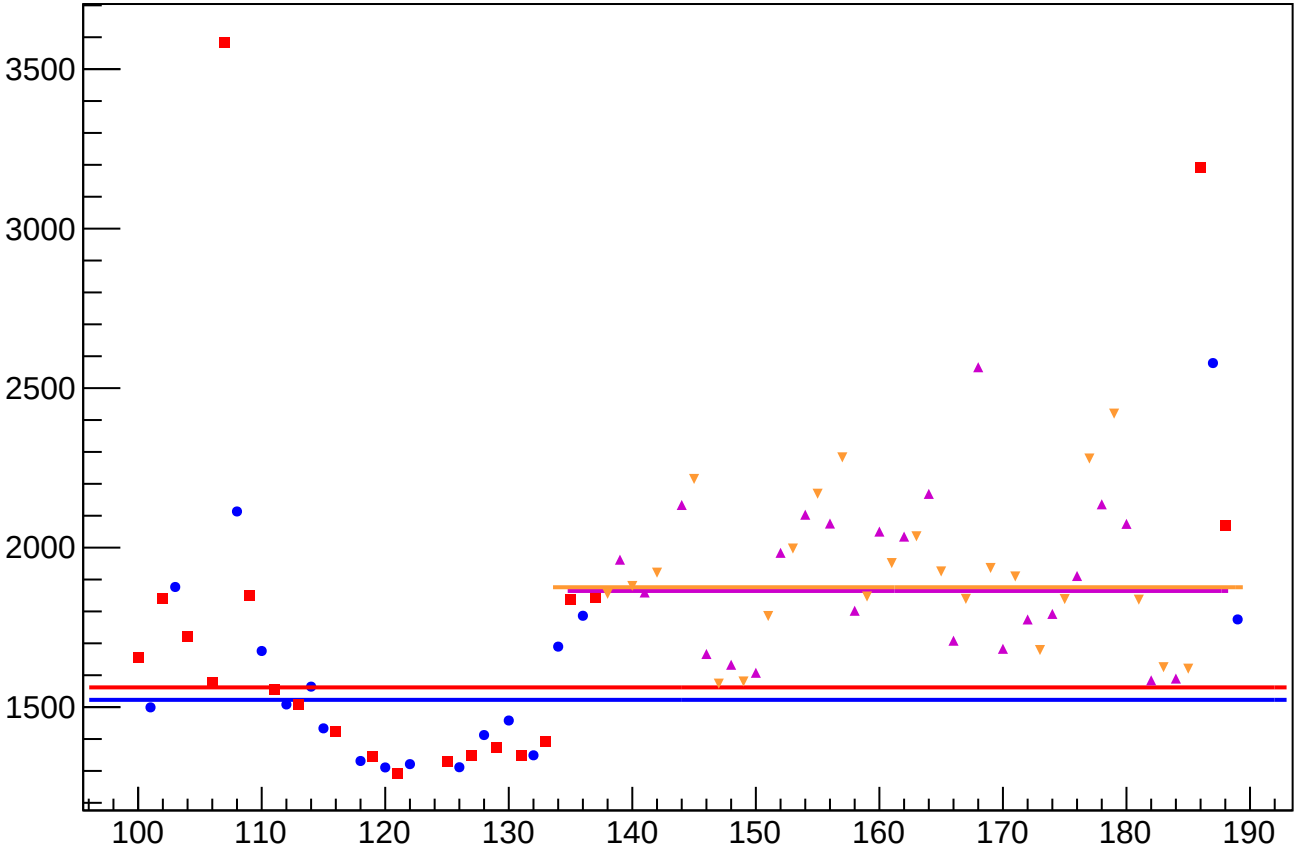
Right: 2062.087+/-384.984 χ^2/NDF: 31.8/37

In: 2014.011+/-342.329 χ^2/NDF:24.3/40

Out: 2086.718+/-341.387 χ^2/NDF:58.4/43

All: 2050.465+/-241.729 χ^2/NDF: 82.7/84

asym_usl_rms vs Slug, Sign Corrected



Right In: 1522.793+/-0.386 χ^2/NDF: 345625.6/17

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1561.880+/-0.384 χ^2/NDF: 742135.4/19

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

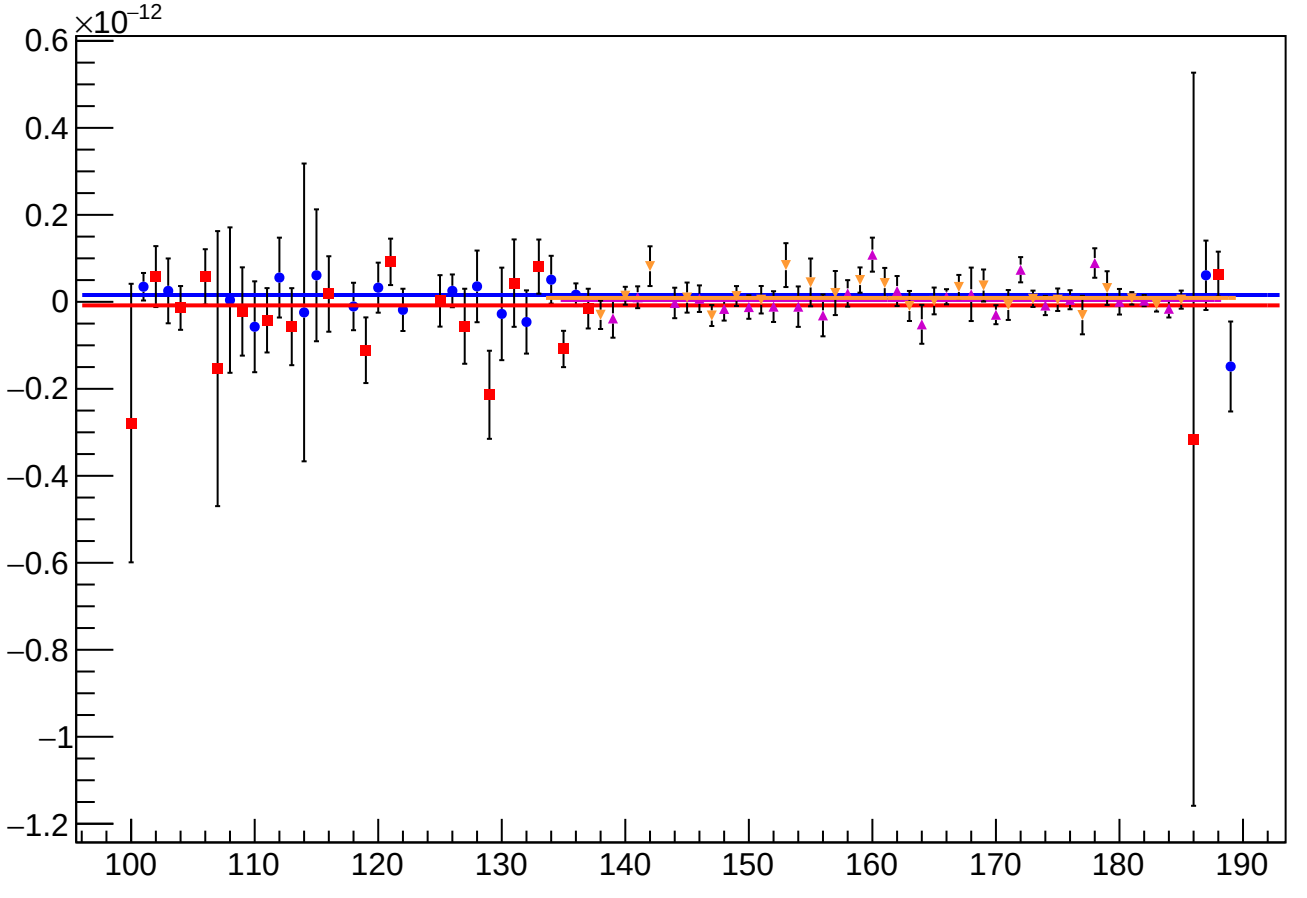
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1542.486+/-0.272 χ^2/NDF: 1092914.6/37

In: 1730.236+/-0.242 χ^2/NDF:1330365.8/40

Out: 1751.445+/-0.241 χ^2/NDF:1619288.2/43

All: 1740.870+/-0.171 χ^2/NDF: 2953503.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 6.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/19

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

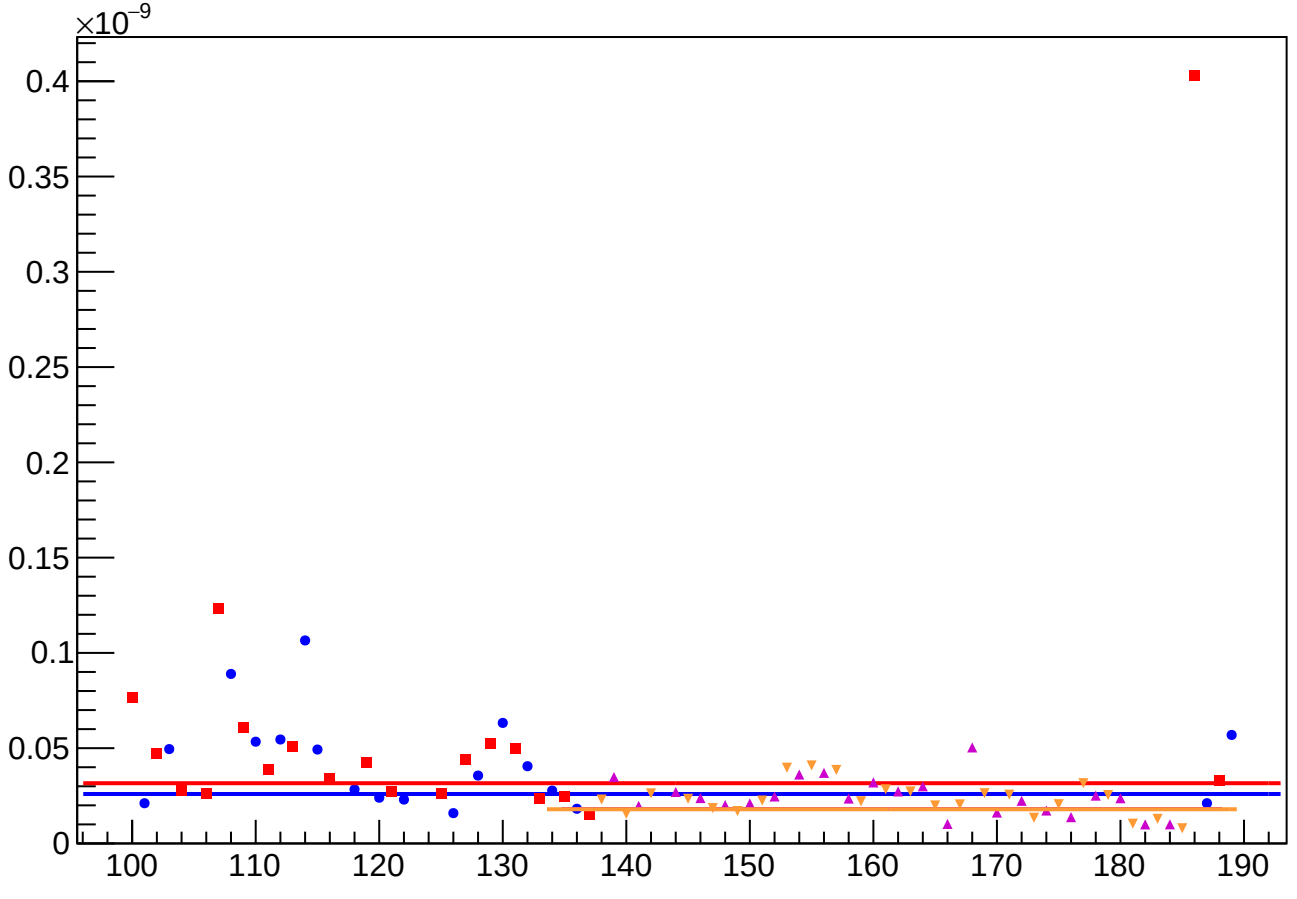
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 31.2/37

In: 0.000+/-0.000 χ^2/NDF:35.0/40

Out: 0.000+/-0.000 χ^2/NDF:41.2/43

All: 0.000+/-0.000 χ^2/NDF: 76.3/84



Right In: 0.000+/-0.000 χ^2/NDF: 1896475.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1617732.7/19

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

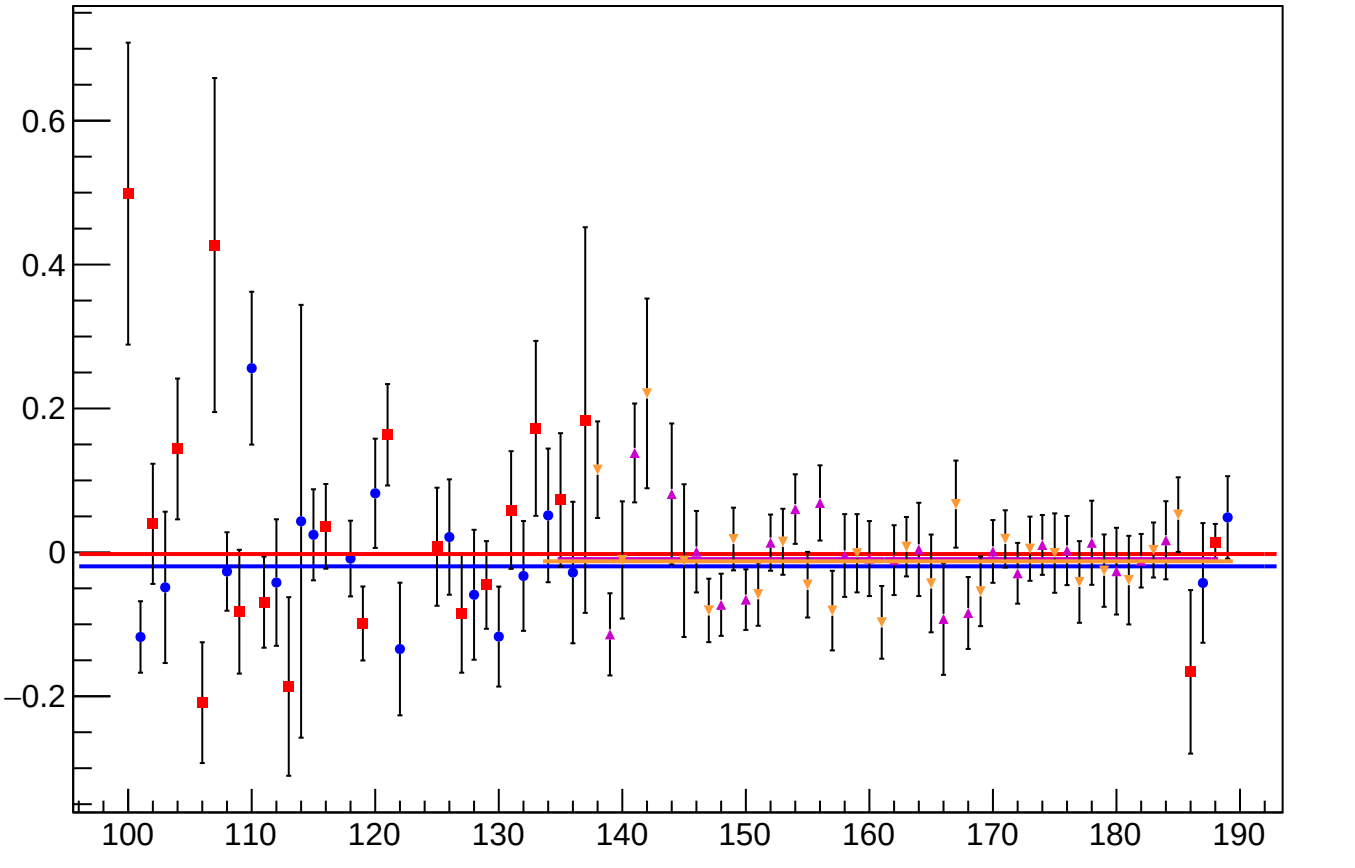
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 3670425.0/37

In: 0.000+/-0.000 χ^2/NDF:6683834.5/40

Out: 0.000+/-0.000 χ^2/NDF:6513085.1/43

All: 0.000+/-0.000 χ^2/NDF: 13199550.2/84



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/19

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

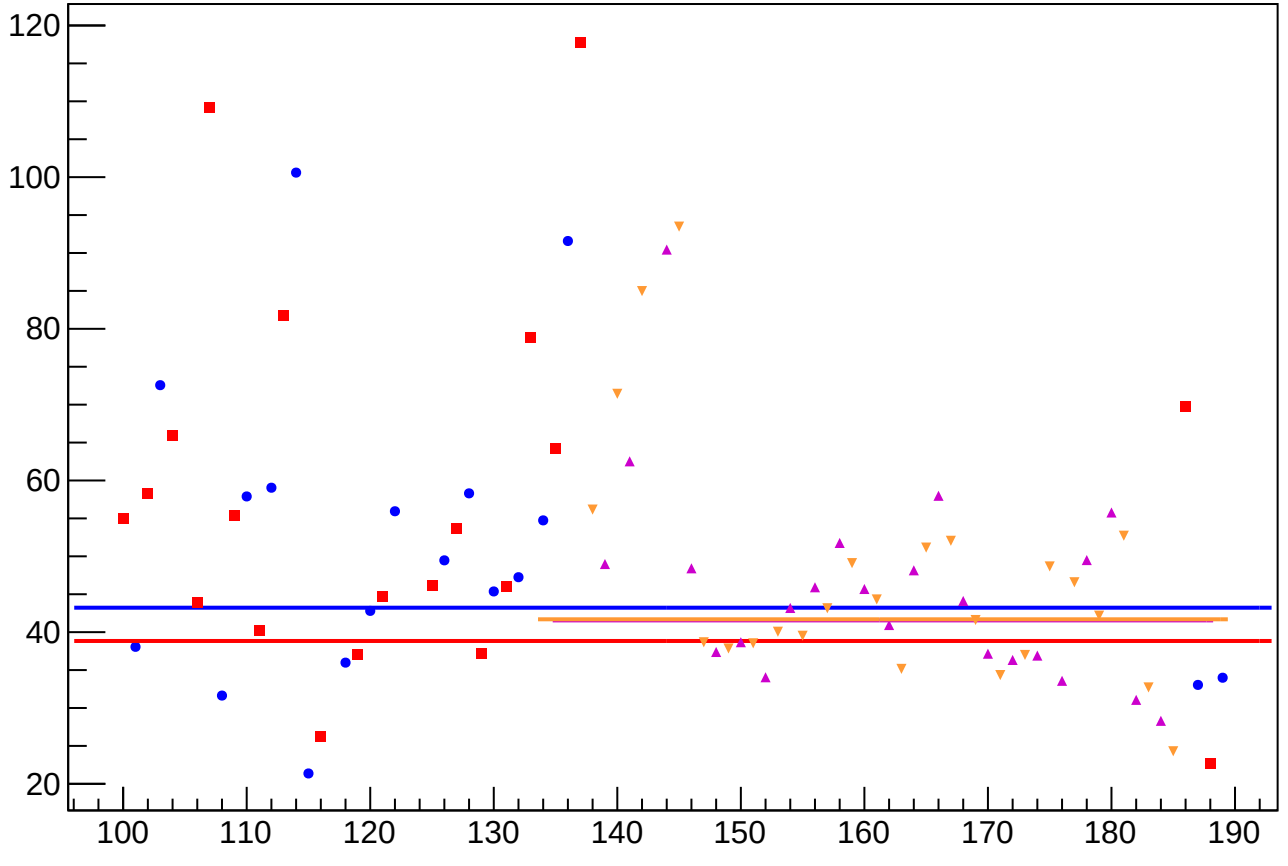
Right: -0.010+/-0.012 χ^2/NDF: 58.8/37

In: -0.012+/-0.009 χ^2/NDF:41.4/40

Out: -0.009+/-0.009 χ^2/NDF:61.2/43

All: -0.011+/-0.006 χ^2/NDF: 102.7/84

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.225+/-0.012 χ^2/NDF: 1429323.3/17

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420825.7/19

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

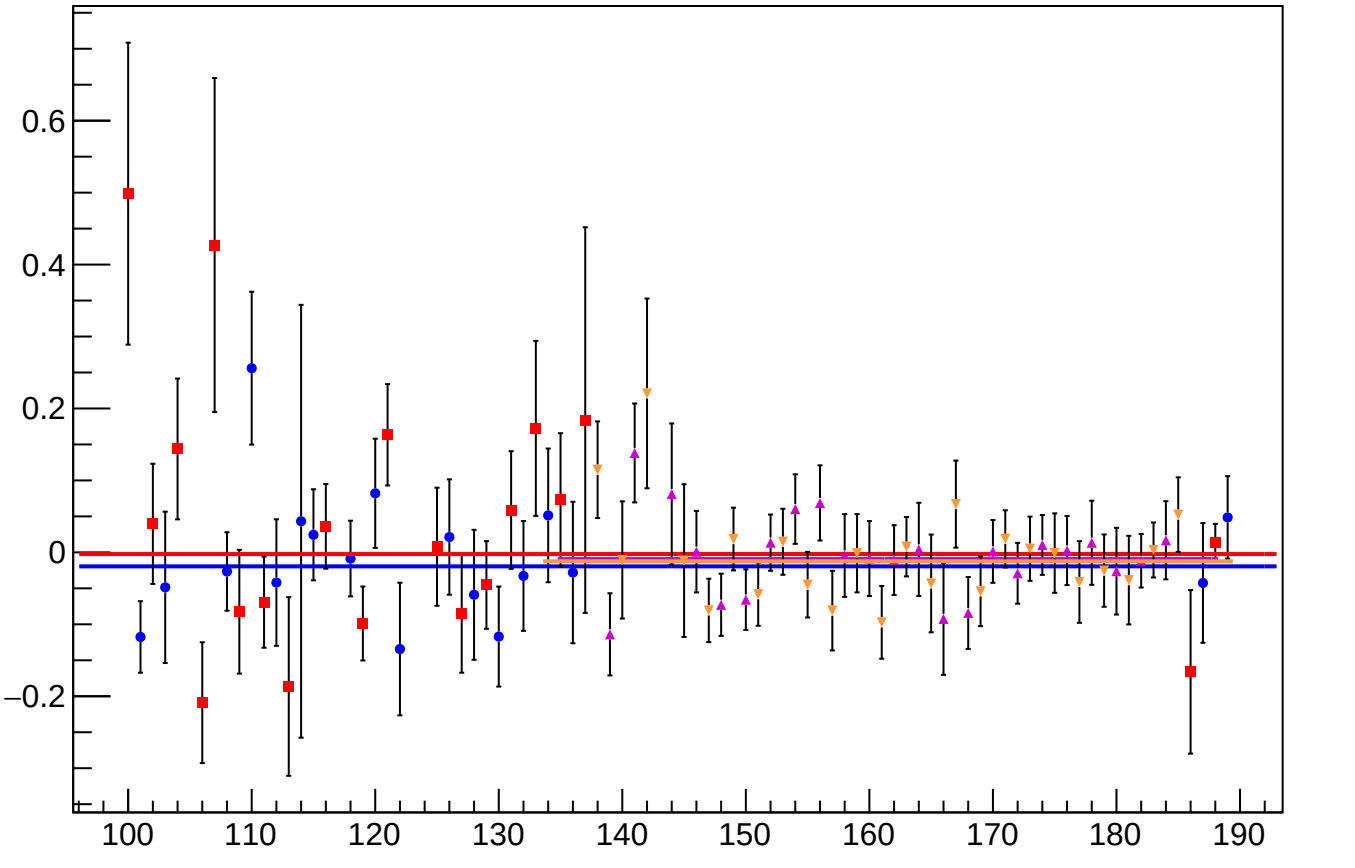
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 40.768+/-0.008 χ^2/NDF: 3921041.3/37

In: 41.995+/-0.006 χ^2/NDF:3055850.8/40

Out: 40.794+/-0.006 χ^2/NDF:4289388.6/43

All: 41.374+/-0.004 χ^2/NDF: 7363724.2/84



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/19

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

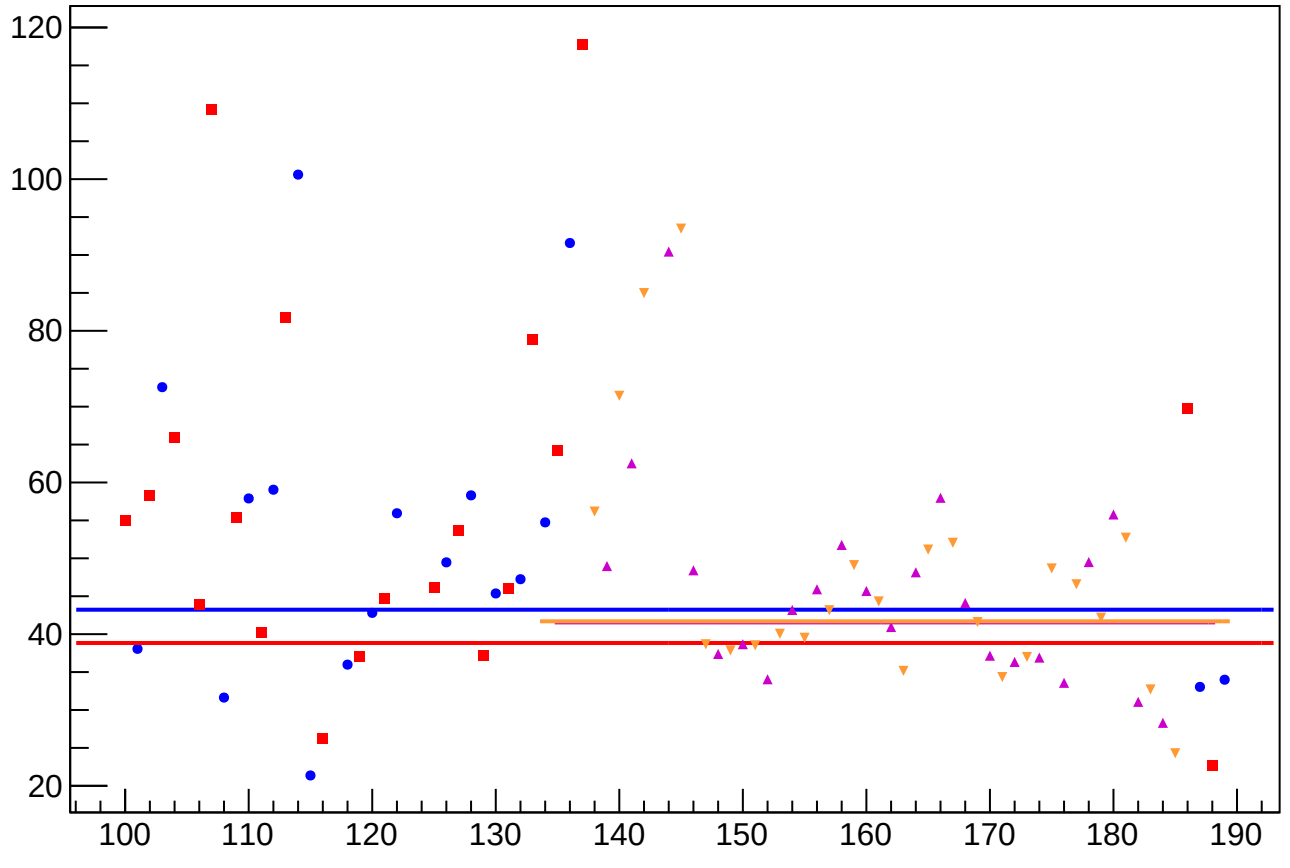
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.010+/-0.012 χ^2/NDF: 58.8/37

In: -0.012+/-0.009 χ^2/NDF:41.4/40

Out: -0.009+/-0.009 χ^2/NDF:61.2/43

All: -0.011+/-0.006 χ^2/NDF: 102.7/84



Right In: 43.225+/-0.012 χ^2/NDF: 1429323.3/17

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420825.7/19

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

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

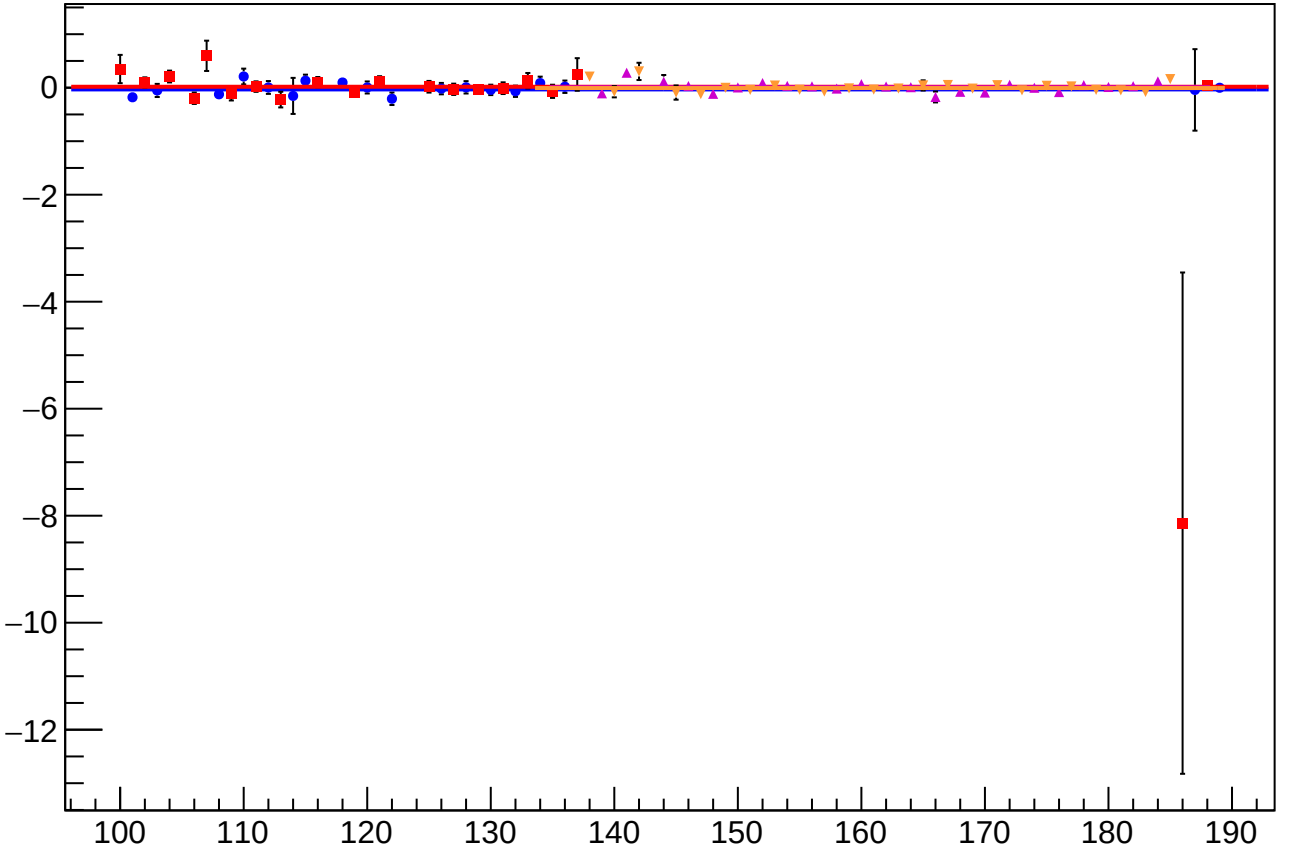
Right: 40.768+/-0.008 χ^2/NDF: 3921041.3/37

In: 41.995+/-0.006 χ^2/NDF:3055850.8/40

Out: 40.794+/-0.006 χ^2/NDF:4289388.6/43

All: 41.374+/-0.004 χ^2/NDF: 7363724.2/84

asym_usl_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.032+/-0.025 χ^2/NDF: 17.6/17

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.018+/-0.024 χ^2/NDF: 26.0/19

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

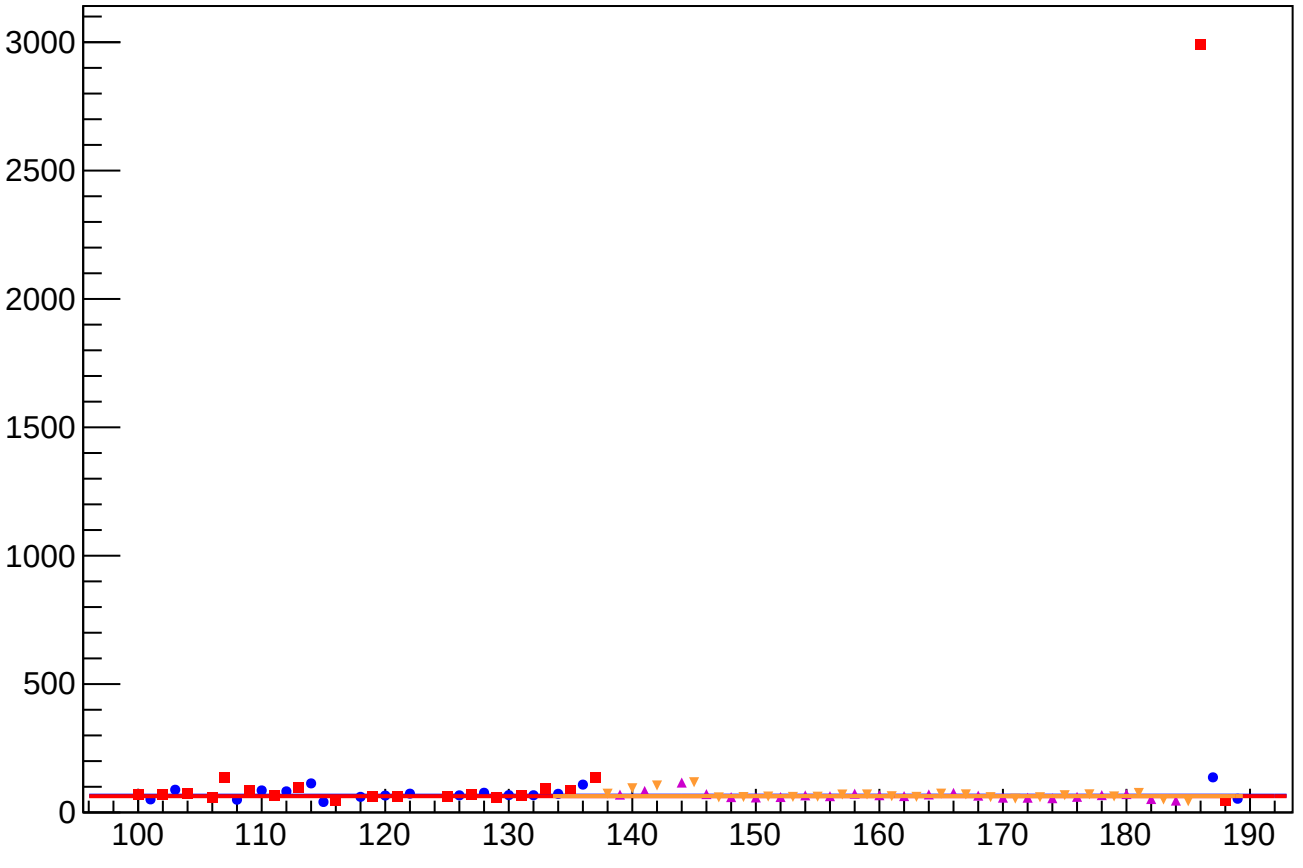
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.006+/-0.017 χ^2/NDF: 45.7/37

In: -0.003+/-0.013 χ^2/NDF:47.5/40

Out: 0.000+/-0.013 χ^2/NDF:50.4/43

All: -0.001+/-0.009 χ^2/NDF: 98.0/84



Right In: 65.377+/-0.018 χ^2/NDF: 829644.9/17

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 63.281+/-0.017 χ^2/NDF: 1733707.8/19

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

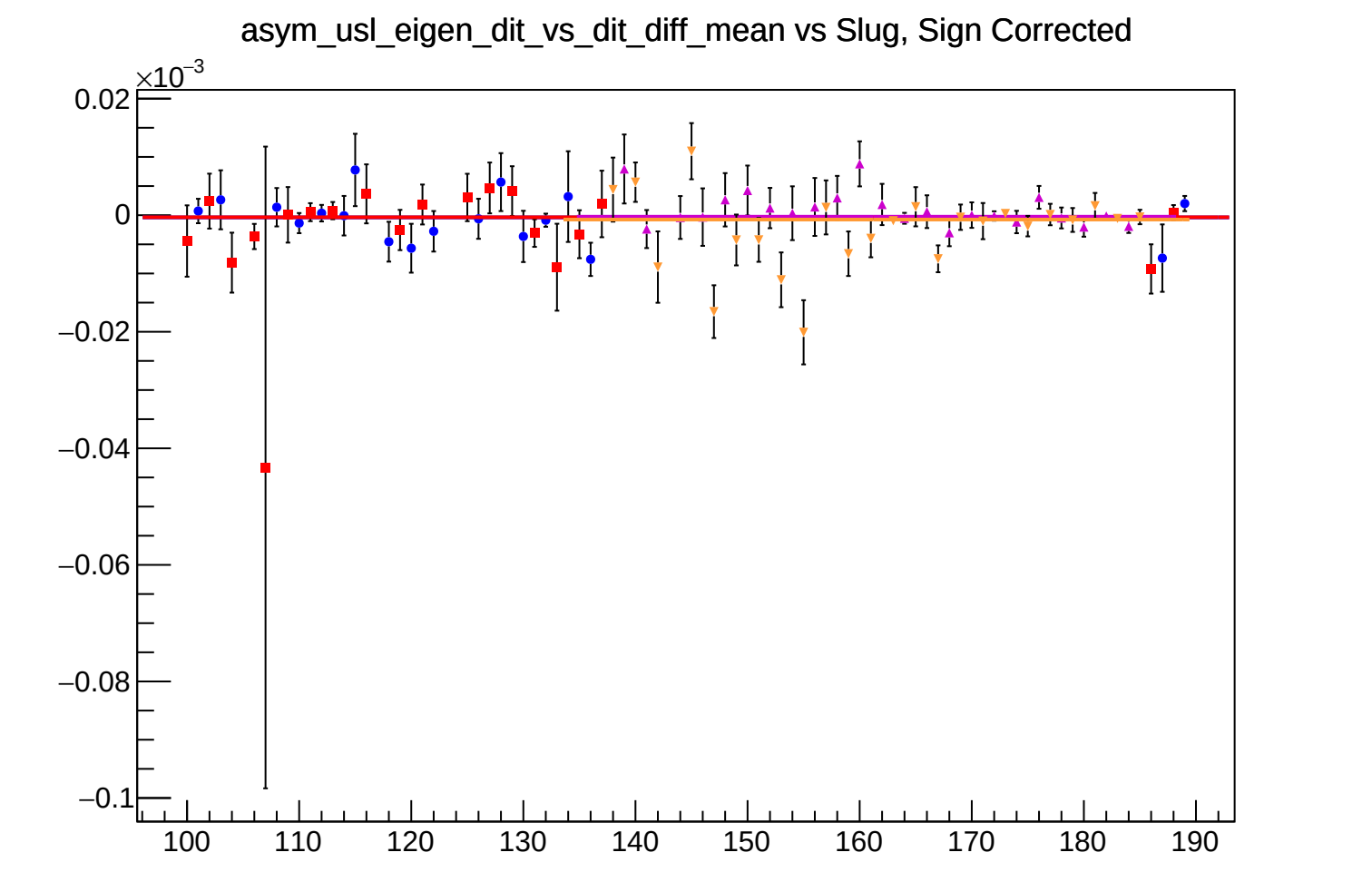
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 64.266+/-0.012 χ^2/NDF: 2570704.0/37

In: 64.404+/-0.009 χ^2/NDF:1672551.7/40

Out: 63.631+/-0.009 χ^2/NDF:2813151.3/43

All: 64.009+/-0.007 χ^2/NDF: 4489212.5/84



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/19

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

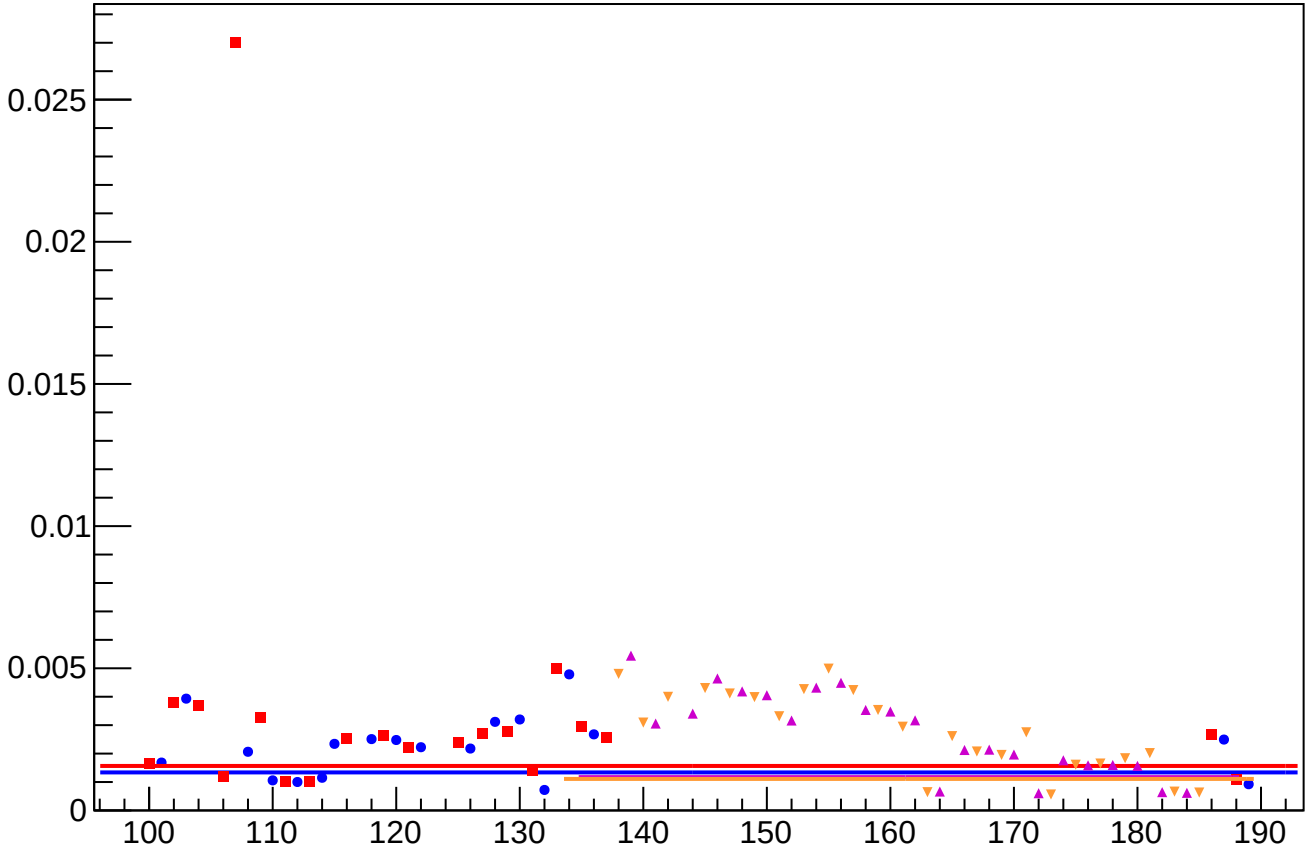
Right: -0.000+/-0.000 χ^2/NDF: 39.9/37

In: -0.000+/-0.000 χ^2/NDF:39.2/40

Out: -0.000+/-0.000 χ^2/NDF:79.9/43

All: -0.000+/-0.000 χ^2/NDF: 119.8/84

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3862425.3/17

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3894205.6/19

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

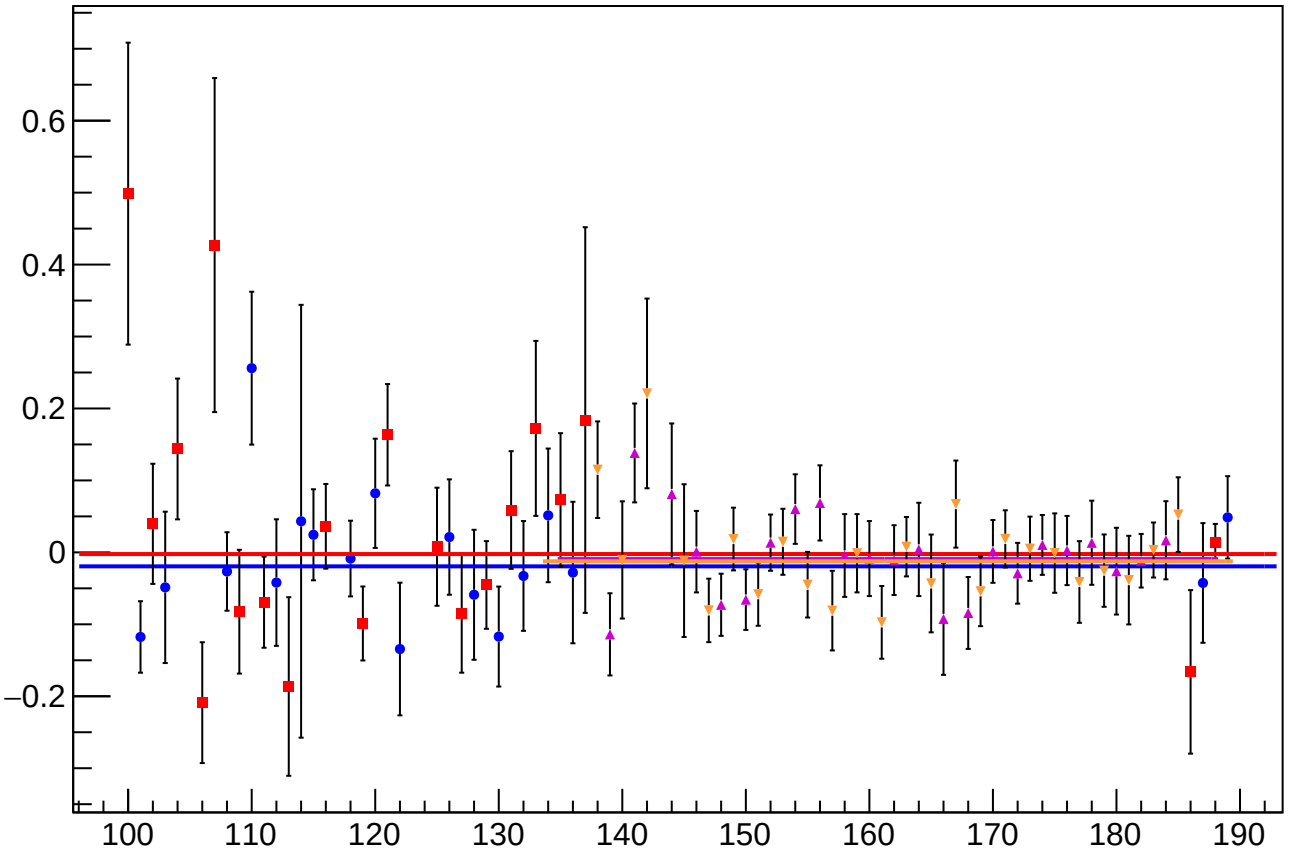
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 7904682.8/37

In: 0.001+/-0.000 χ^2/NDF:18239868.8/40

Out: 0.001+/-0.000 χ^2/NDF:19870536.9/43

All: 0.001+/-0.000 χ^2/NDF: 38110992.1/84



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/19

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

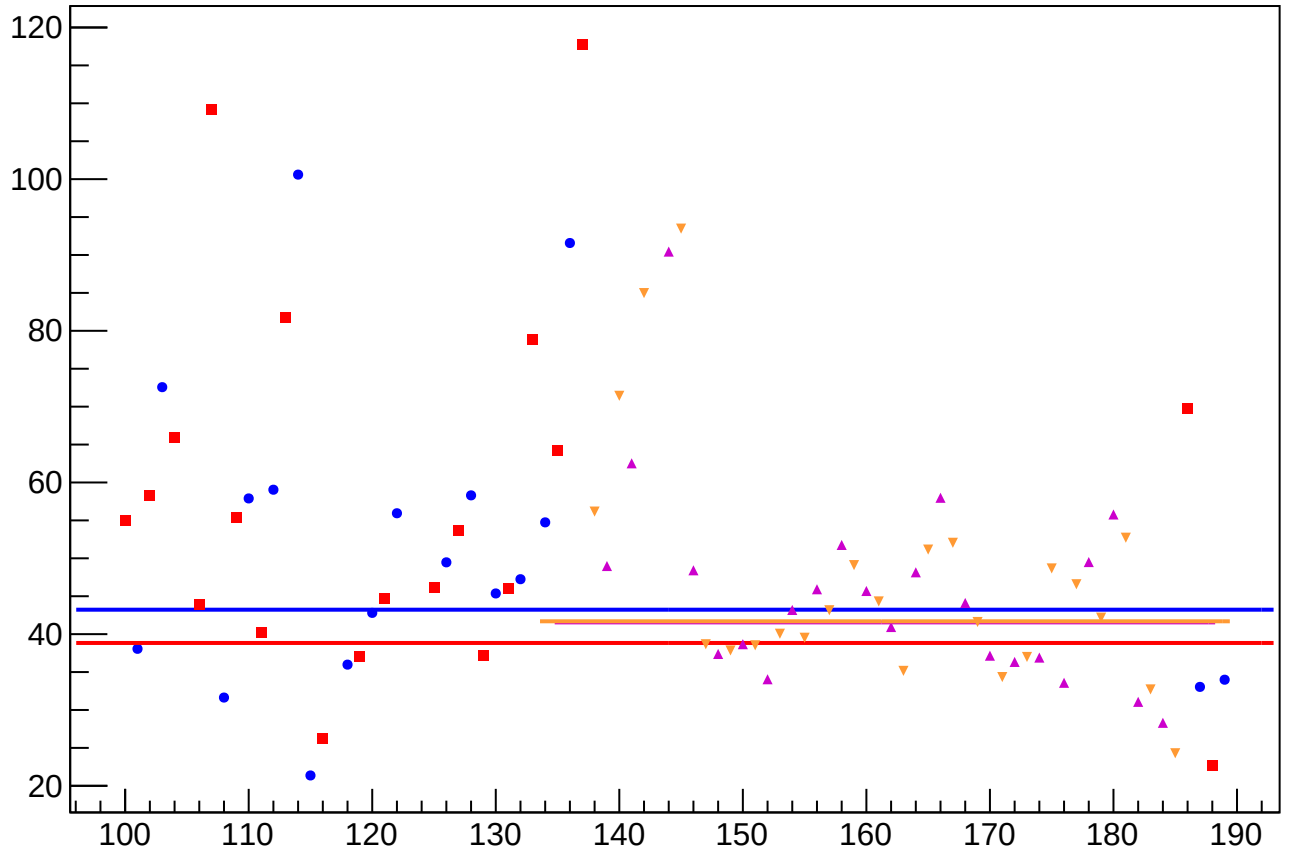
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.010+/-0.012 χ^2/NDF: 58.8/37

In: -0.012+/-0.009 χ^2/NDF:41.4/40

Out: -0.009+/-0.009 χ^2/NDF:61.2/43

All: -0.011+/-0.006 χ^2/NDF: 102.7/84



Right In: 43.224+/-0.012 χ^2/NDF: 1429369.7/17

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420655.6/19

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

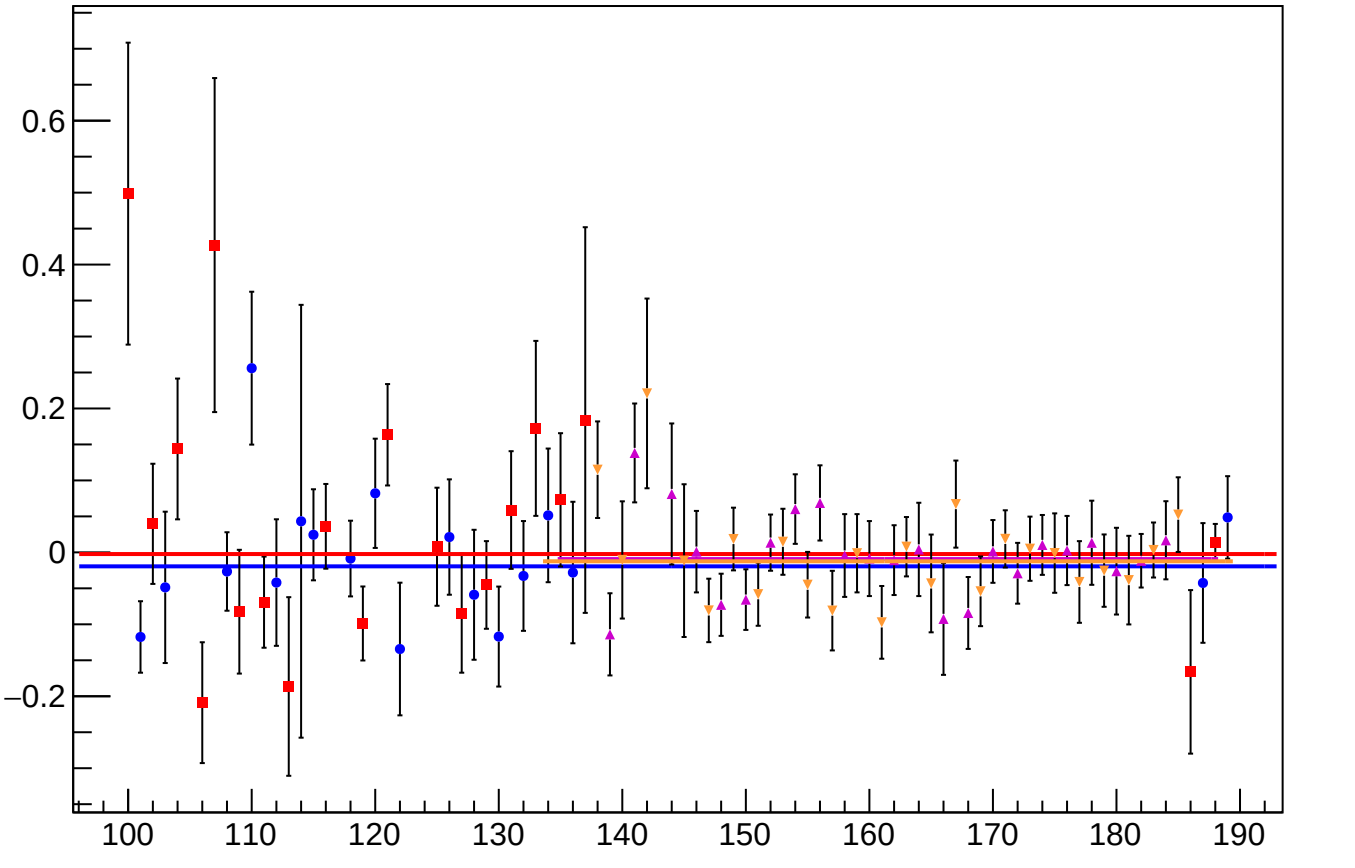
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 40.768+/-0.008 χ^2/NDF: 3920882.4/37

In: 41.995+/-0.006 χ^2/NDF:3055842.0/40

Out: 40.794+/-0.006 χ^2/NDF:4289174.5/43

All: 41.374+/-0.004 χ^2/NDF: 7363495.7/84



Right In: -0.019+/-0.017 χ^2/NDF: 19.2/17

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/19

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

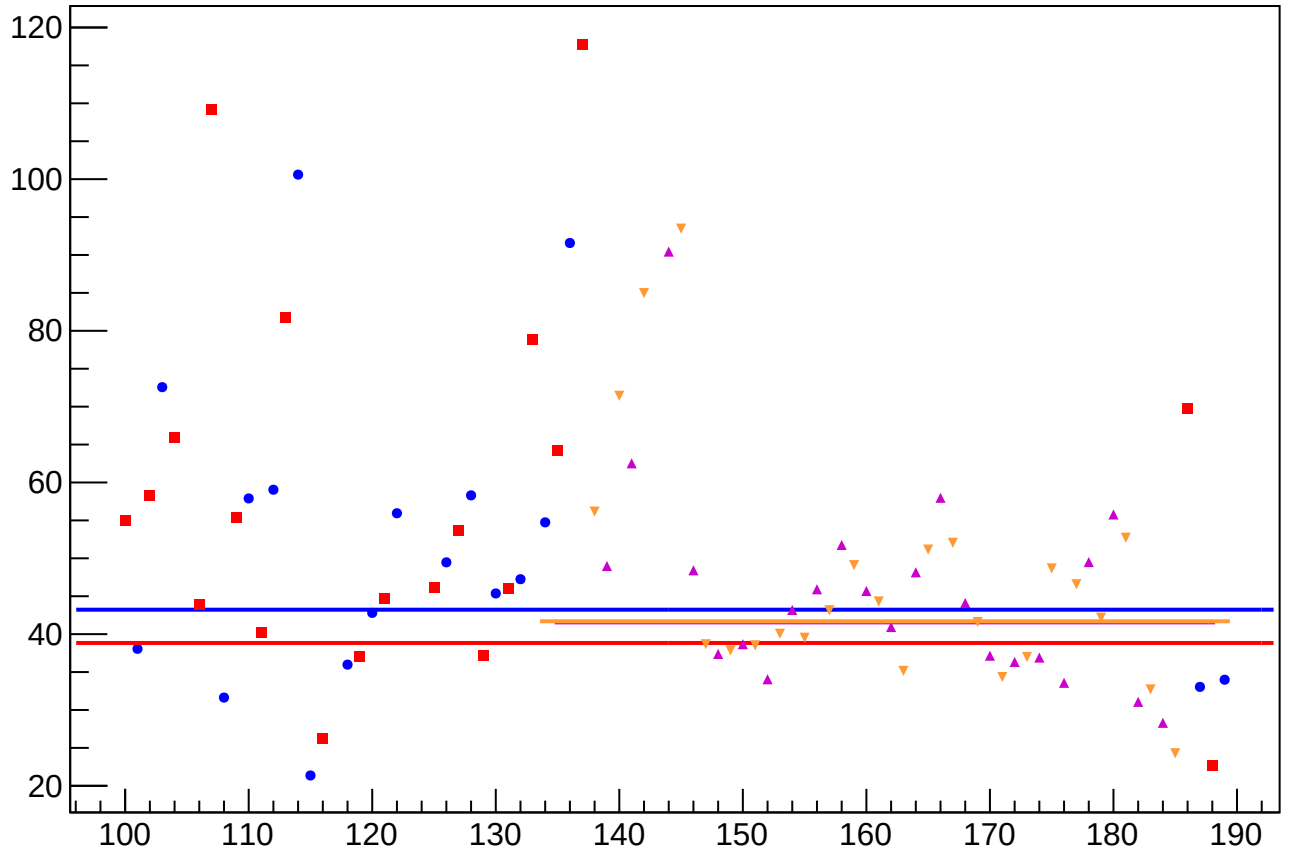
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.010+/-0.012 χ^2/NDF: 58.8/37

In: -0.012+/-0.009 χ^2/NDF:41.4/40

Out: -0.009+/-0.009 χ^2/NDF:61.2/43

All: -0.011+/-0.006 χ^2/NDF: 102.7/84



Right In: 43.224+/-0.012 χ^2/NDF: 1429369.7/17

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420655.6/19

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

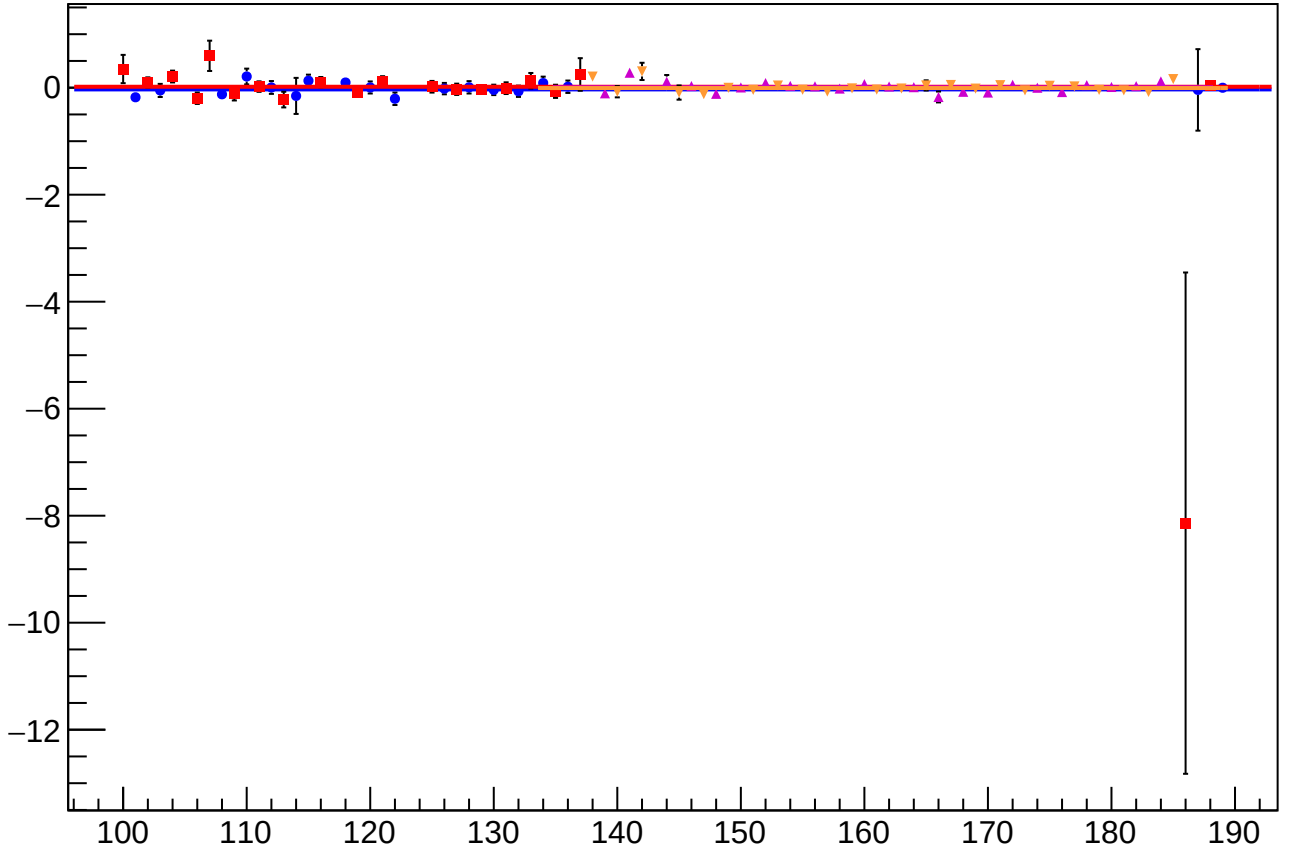
Right: 40.768+/-0.008 χ^2/NDF: 3920882.4/37

In: 41.995+/-0.006 χ^2/NDF:3055842.0/40

Out: 40.794+/-0.006 χ^2/NDF:4289174.5/43

All: 41.374+/-0.004 χ^2/NDF: 7363495.7/84

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.032+/-0.025 χ^2/NDF: 17.6/17

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.018+/-0.024 χ^2/NDF: 26.0/19

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

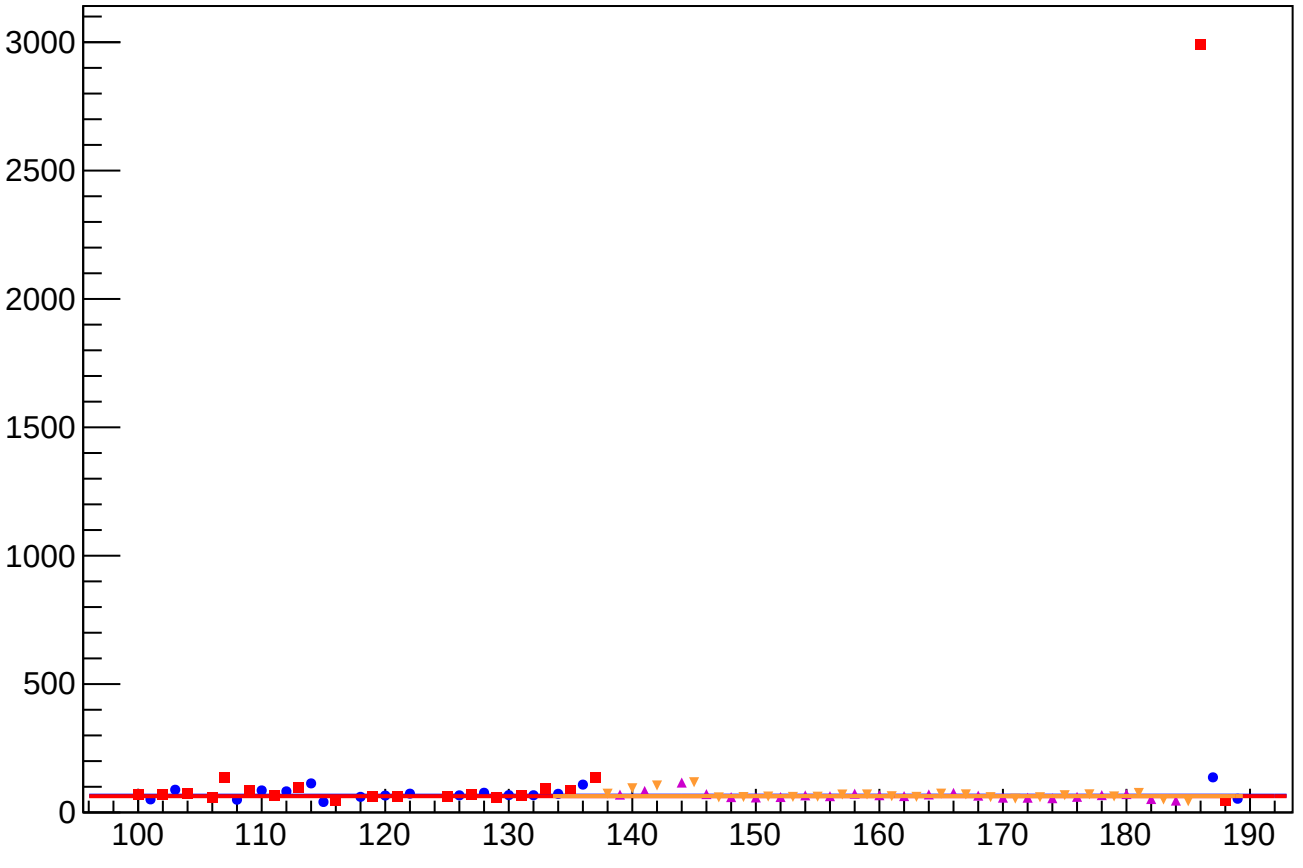
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: -0.006+/-0.017 χ^2/NDF: 45.7/37

In: -0.003+/-0.013 χ^2/NDF:47.5/40

Out: 0.000+/-0.013 χ^2/NDF:50.4/43

All: -0.001+/-0.009 χ^2/NDF: 98.0/84



Right In: 65.377+/-0.018 χ^2/NDF: 829647.2/17

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 63.280+/-0.017 χ^2/NDF: 1733674.5/19

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

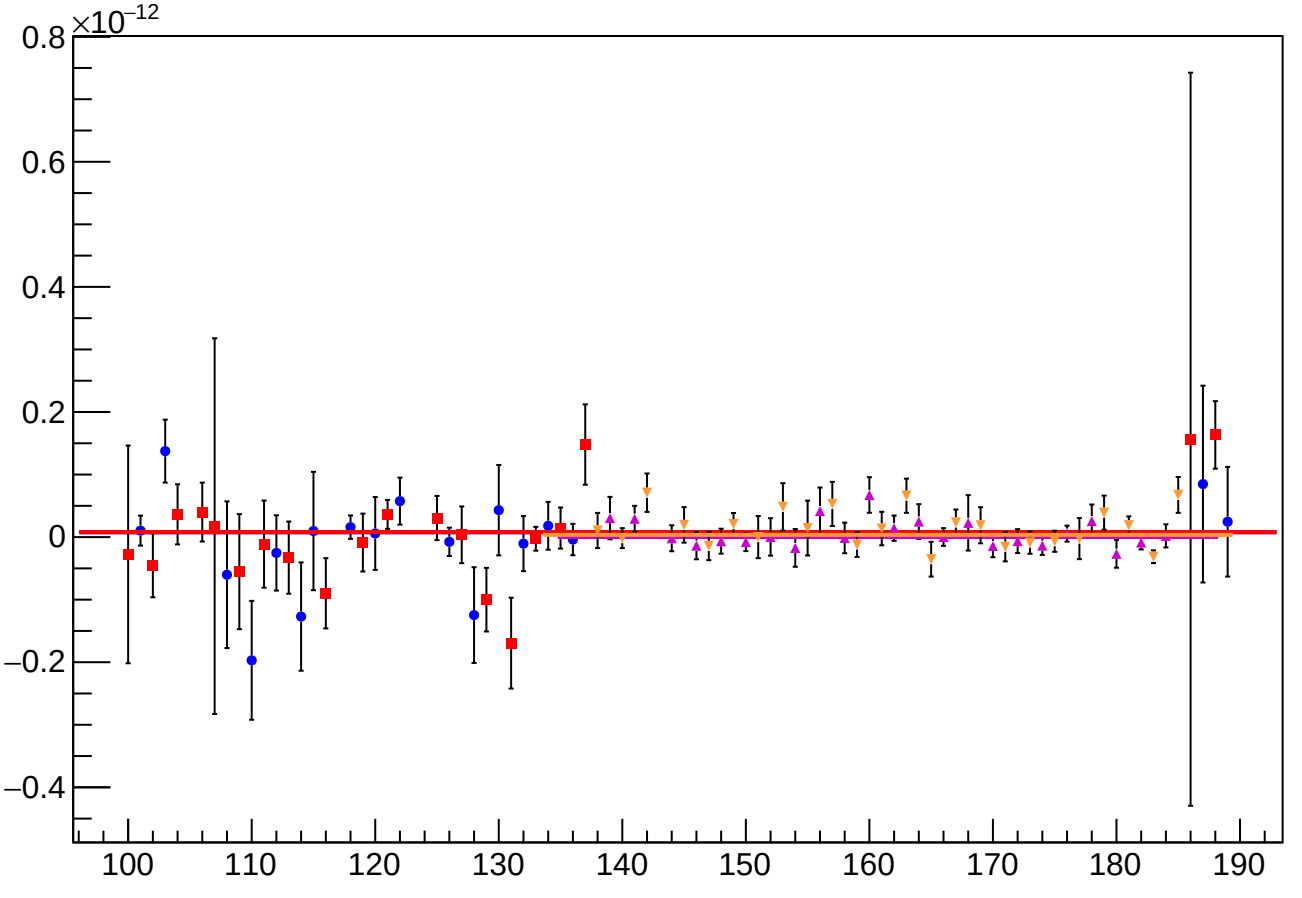
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 64.266+/-0.012 χ^2/NDF: 2570672.7/37

In: 64.404+/-0.009 χ^2/NDF:1672545.9/40

Out: 63.631+/-0.009 χ^2/NDF:2813106.5/43

All: 64.009+/-0.007 χ^2/NDF: 4489162.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/19

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

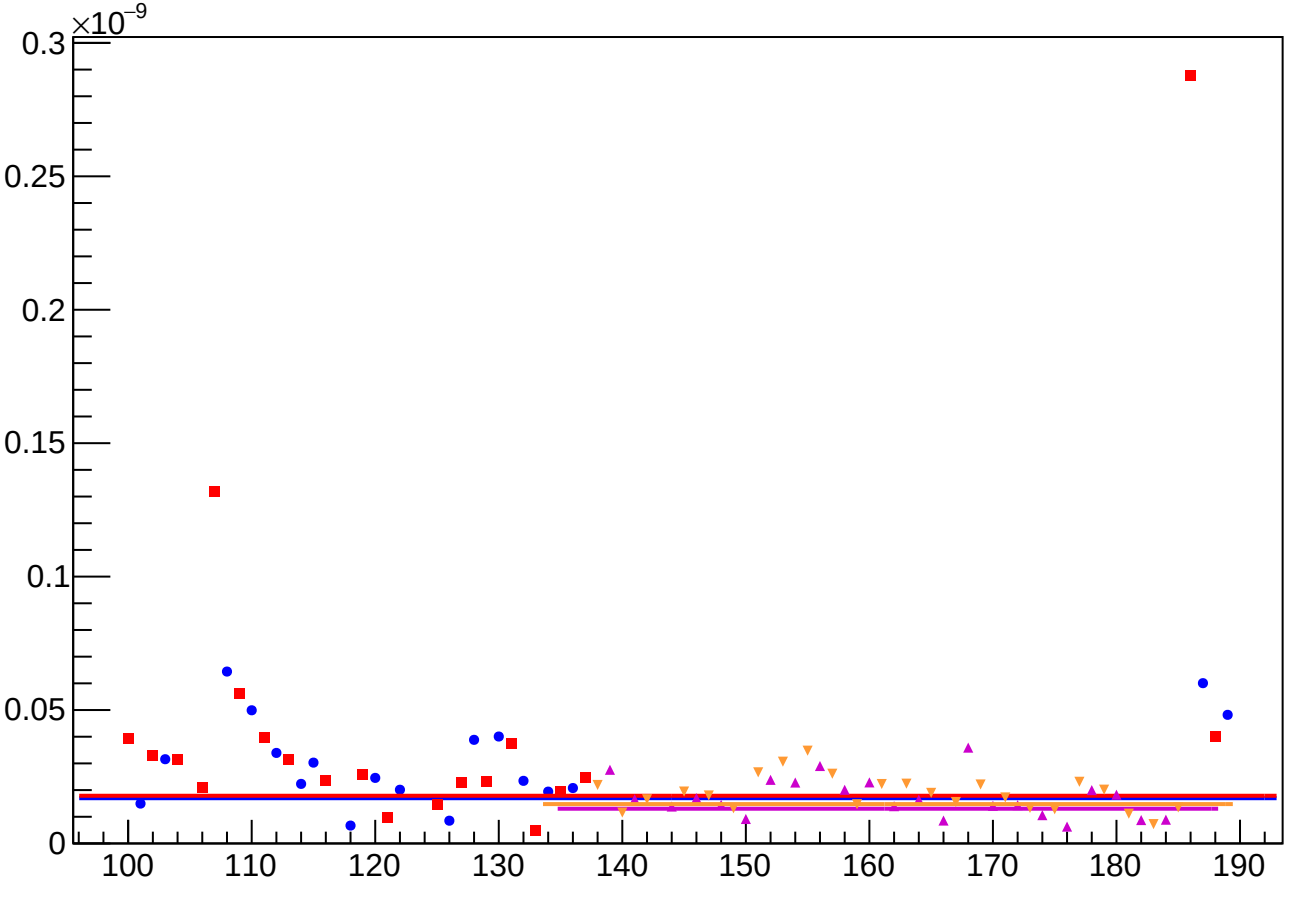
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 52.7/37

In: 0.000+/-0.000 χ^2/NDF:38.4/40

Out: 0.000+/-0.000 χ^2/NDF:72.7/43

All: 0.000+/-0.000 χ^2/NDF: 111.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 2756036.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3562743.5/19

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

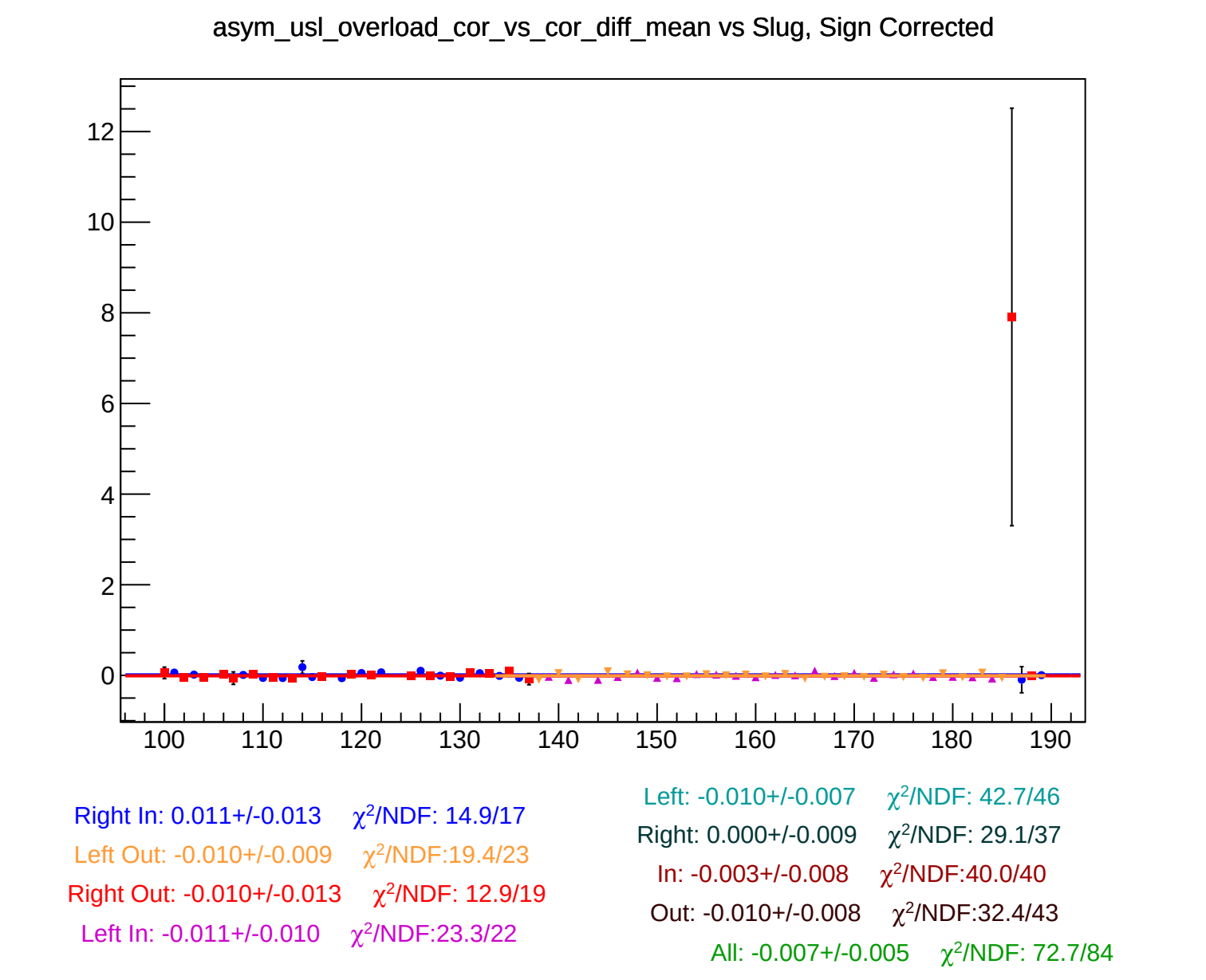
Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

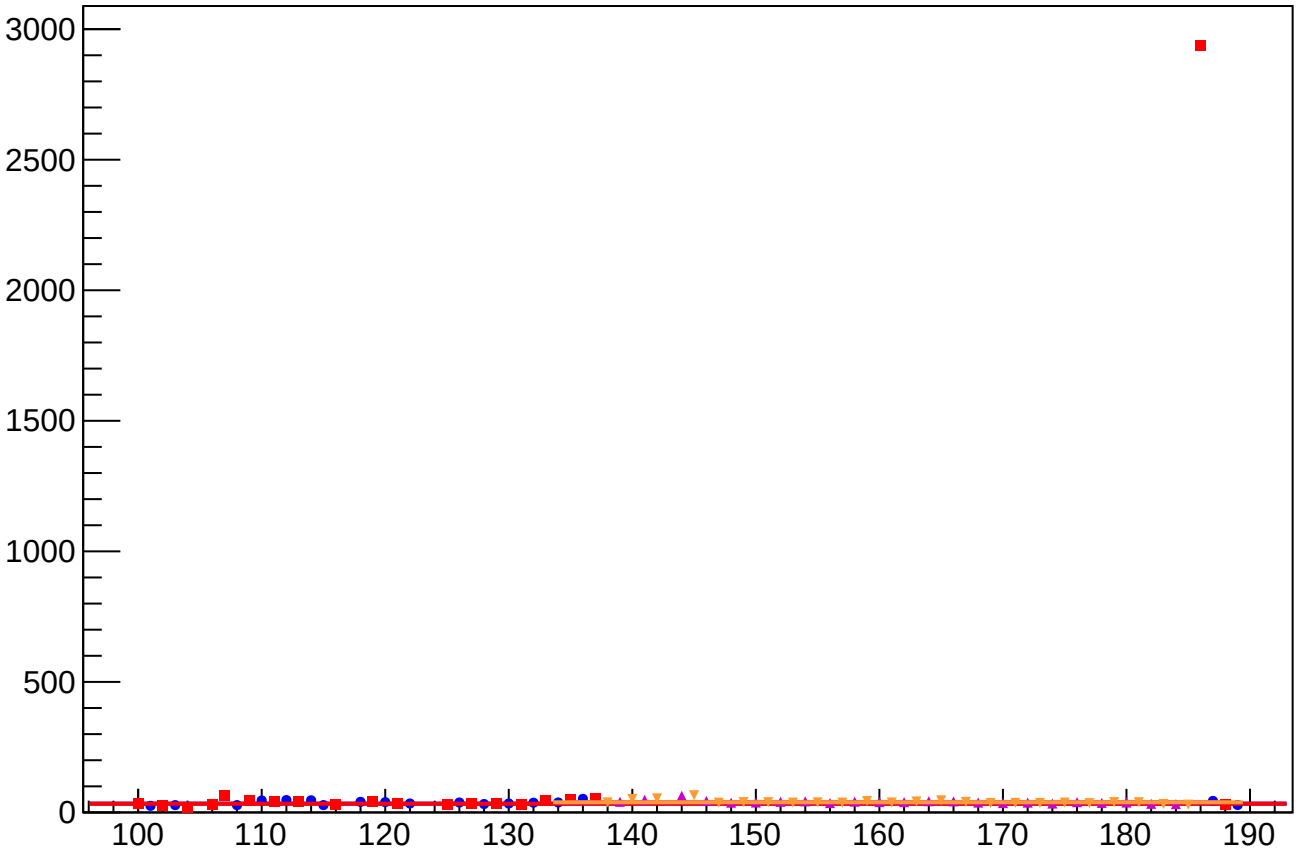
Right: 0.000+/-0.000 χ^2/NDF: 6328369.1/37

In: 0.000+/-0.000 χ^2/NDF:6992851.8/40

Out: 0.000+/-0.000 χ^2/NDF:7267556.3/43

All: 0.000+/-0.000 χ^2/NDF: 14438535.5/84


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.011+/-0.013 χ²/NDF: 14.9/17
Left Out: -0.010+/-0.009 χ²/NDF:19.4/23
Right Out: -0.010+/-0.013 χ²/NDF: 12.9/19
Left In: -0.011+/-0.010 χ²/NDF:23.3/22
Left: -0.010+/-0.007 χ²/NDF: 42.7/46
Right: 0.000+/-0.009 χ²/NDF: 29.1/37
In: -0.003+/-0.008 χ²/NDF:40.0/40
Out: -0.010+/-0.008 χ²/NDF:32.4/43
All: -0.007+/-0.005 χ²/NDF: 72.7/84



Right In: 33.813+/-0.009 χ^2/NDF: 667114.6/17

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.465+/-0.009 χ^2/NDF: 1715667.2/19

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

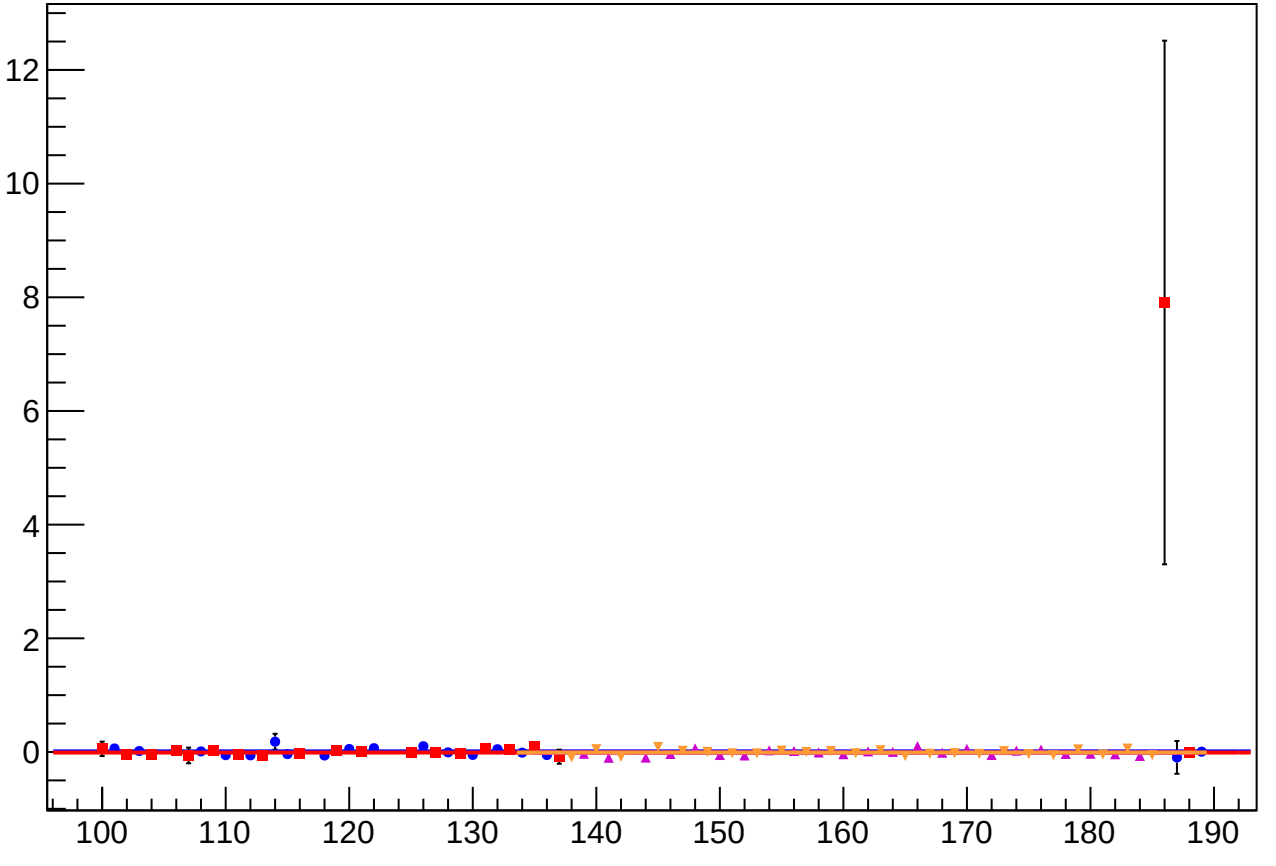
Right: 33.632+/-0.006 χ^2/NDF: 2383523.2/37

In: 37.303+/-0.005 χ^2/NDF:1409169.2/40

Out: 36.976+/-0.005 χ^2/NDF:2585717.9/43

All: 37.136+/-0.004 χ^2/NDF: 3996725.7/84

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.013 χ^2/NDF: 14.9/17

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.010+/-0.013 χ^2/NDF: 12.9/19

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

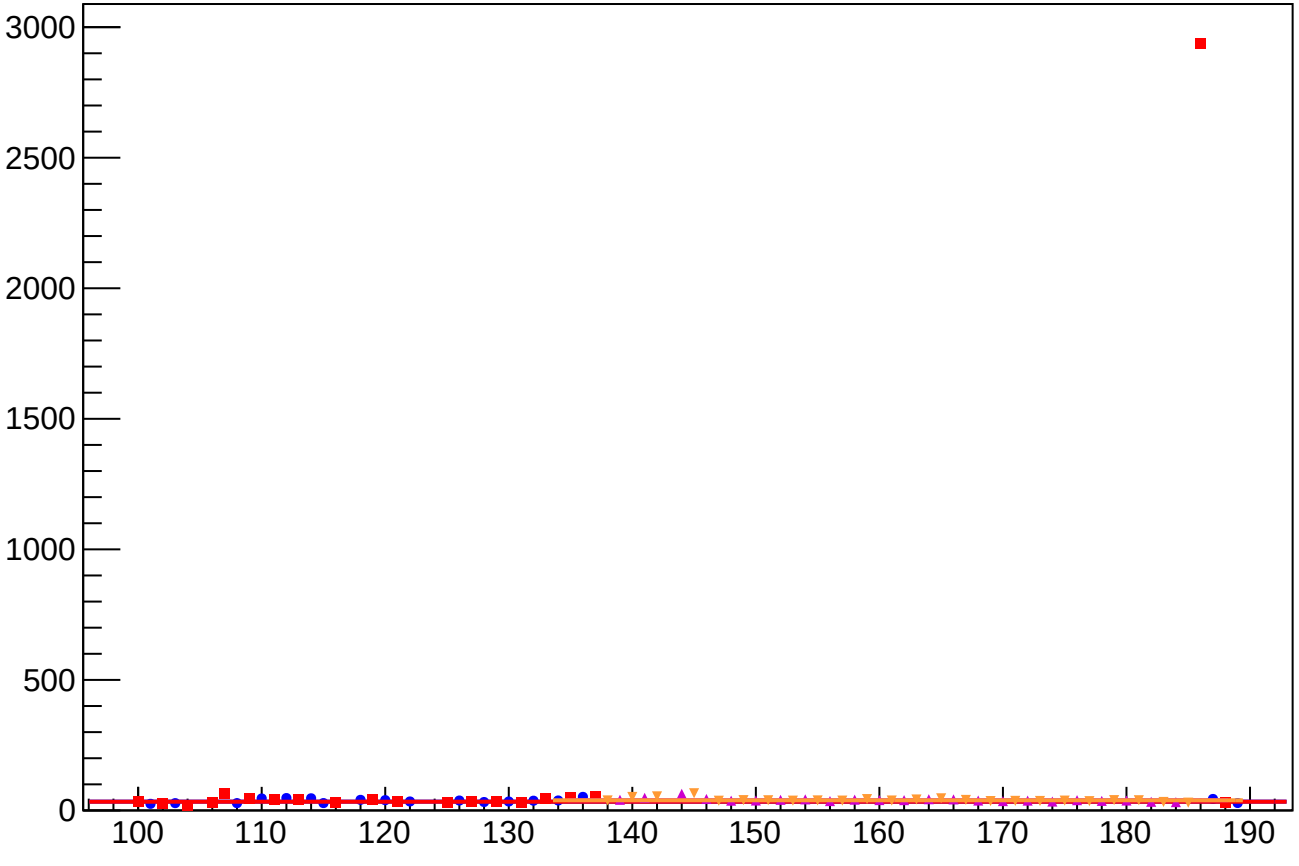
Right: 0.000+/-0.009 χ^2/NDF: 29.1/37

In: -0.003+/-0.008 χ^2/NDF:40.0/40

Out: -0.010+/-0.008 χ^2/NDF:32.4/43

All: -0.007+/-0.005 χ^2/NDF: 72.7/84

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.813+/-0.009 χ^2/NDF: 667114.6/17

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.465+/-0.009 χ^2/NDF: 1715667.2/19

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

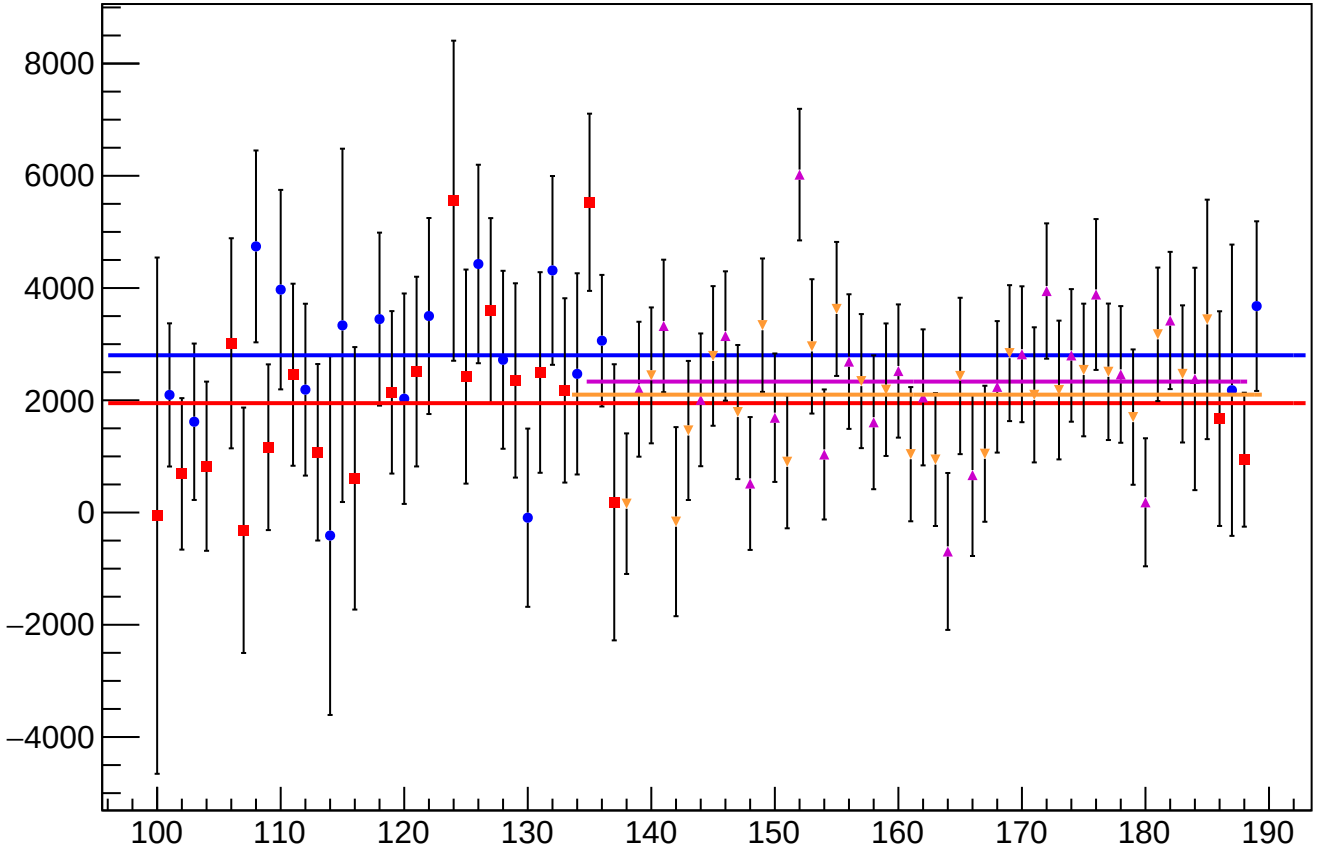
Right: 33.632+/-0.006 χ^2/NDF: 2383523.2/37

In: 37.303+/-0.005 χ^2/NDF:1409169.2/40

Out: 36.976+/-0.005 χ^2/NDF:2585717.9/43

All: 37.136+/-0.004 χ^2/NDF: 3996725.7/84

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2801.989+/-391.039 χ^2/NDF: 9.9/17

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.847+/-375.067 χ^2/NDF: 13.4/20

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

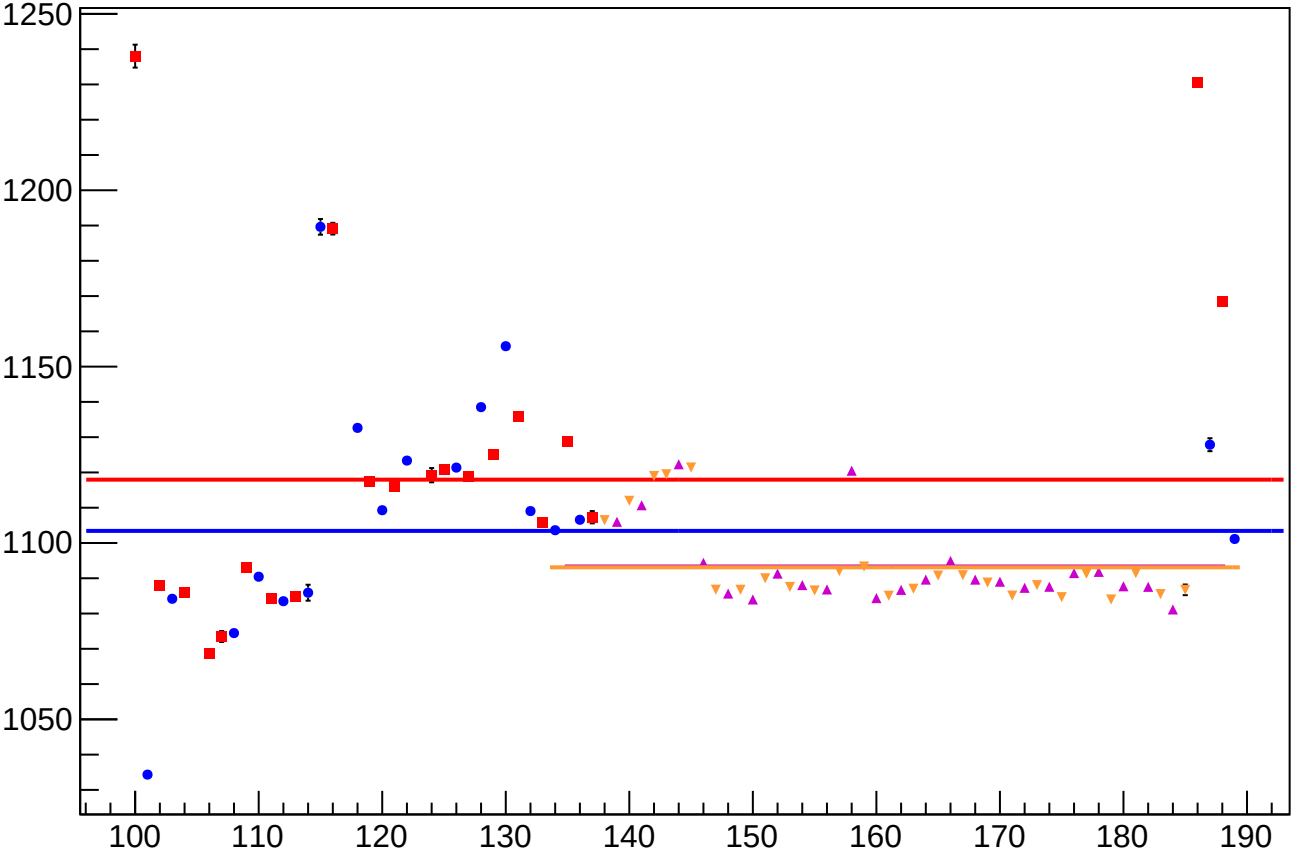
Right: 2357.640+/-270.683 χ^2/NDF: 25.8/38

In: 2473.118+/-213.764 χ^2/NDF:40.4/40

Out: 2054.216+/-207.045 χ^2/NDF:27.3/45

All: 2256.980+/-148.722 χ^2/NDF: 69.7/86

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

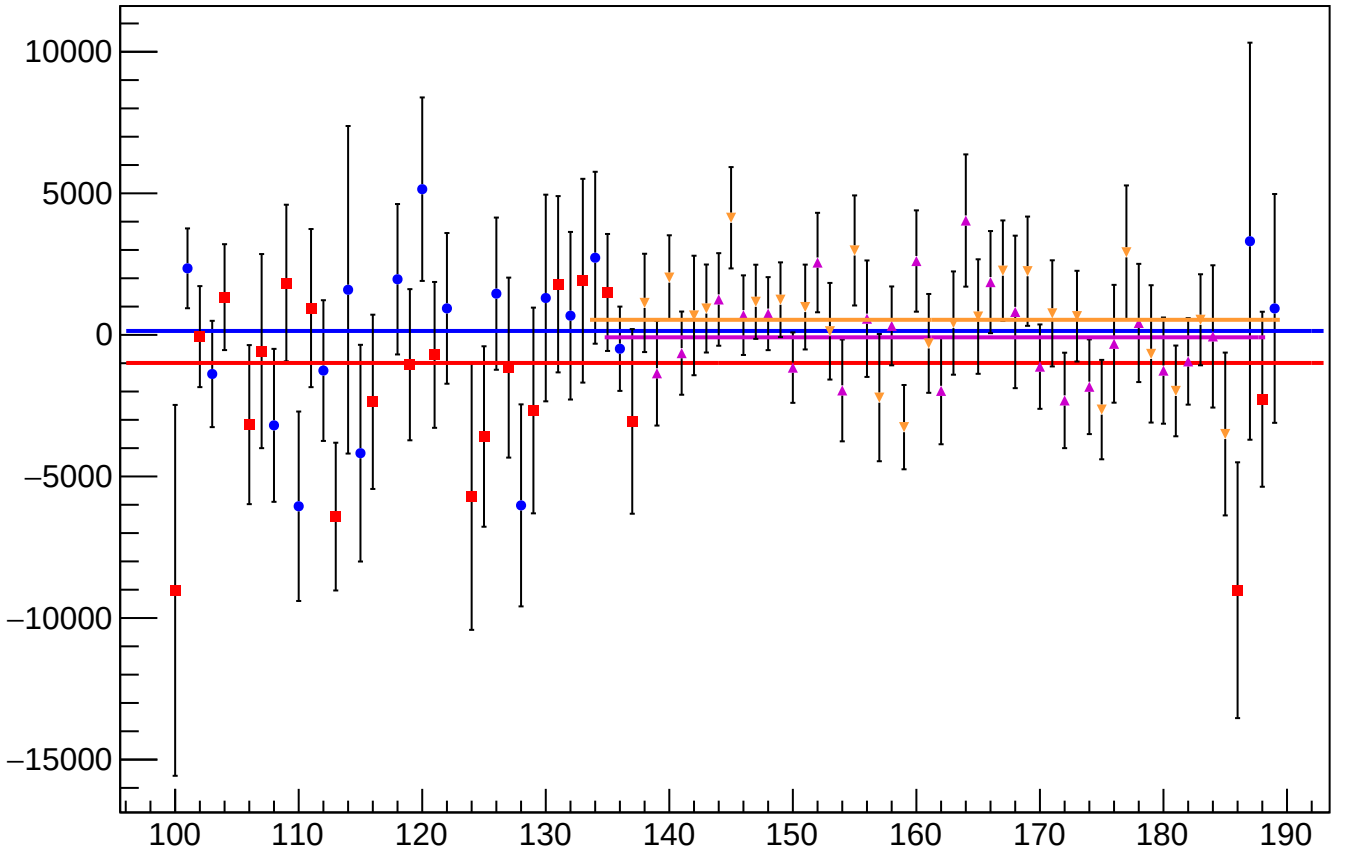
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1110.993+/-0.191 χ^2/NDF: 35452.2/38

In: 1096.354+/-0.151 χ^2/NDF:18067.5/40

Out: 1100.675+/-0.146 χ^2/NDF:30694.6/45

All: 1098.583+/-0.105 χ^2/NDF: 49183.8/86



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -991.018+/-617.990 χ^2/NDF: 18.5/20

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

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

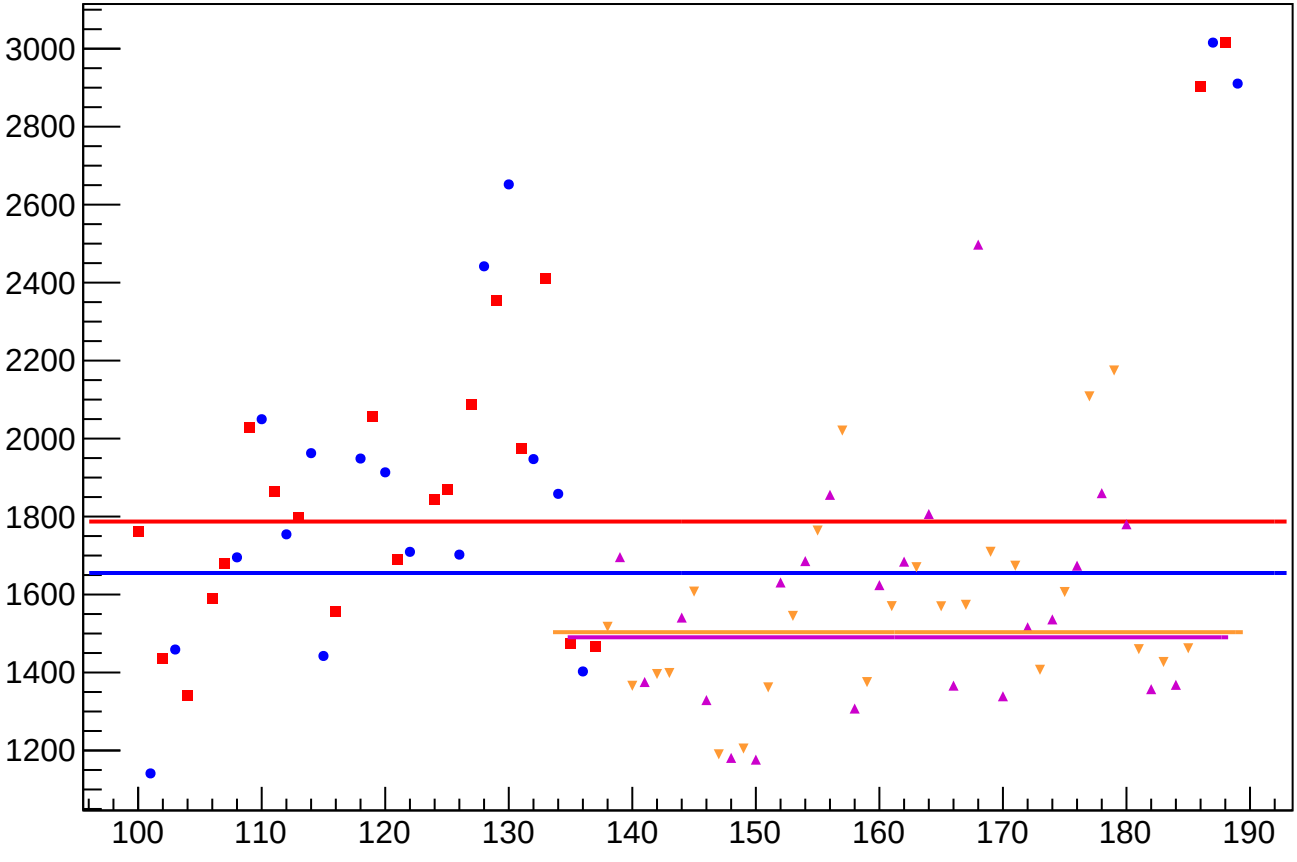
Right: -417.330+/-433.657 χ^2/NDF: 37.4/38

In: -28.593+/-305.967 χ^2/NDF:35.3/40

Out: 167.314+/-302.714 χ^2/NDF:49.6/45

All: 70.408+/-215.192 χ^2/NDF: 85.1/86

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

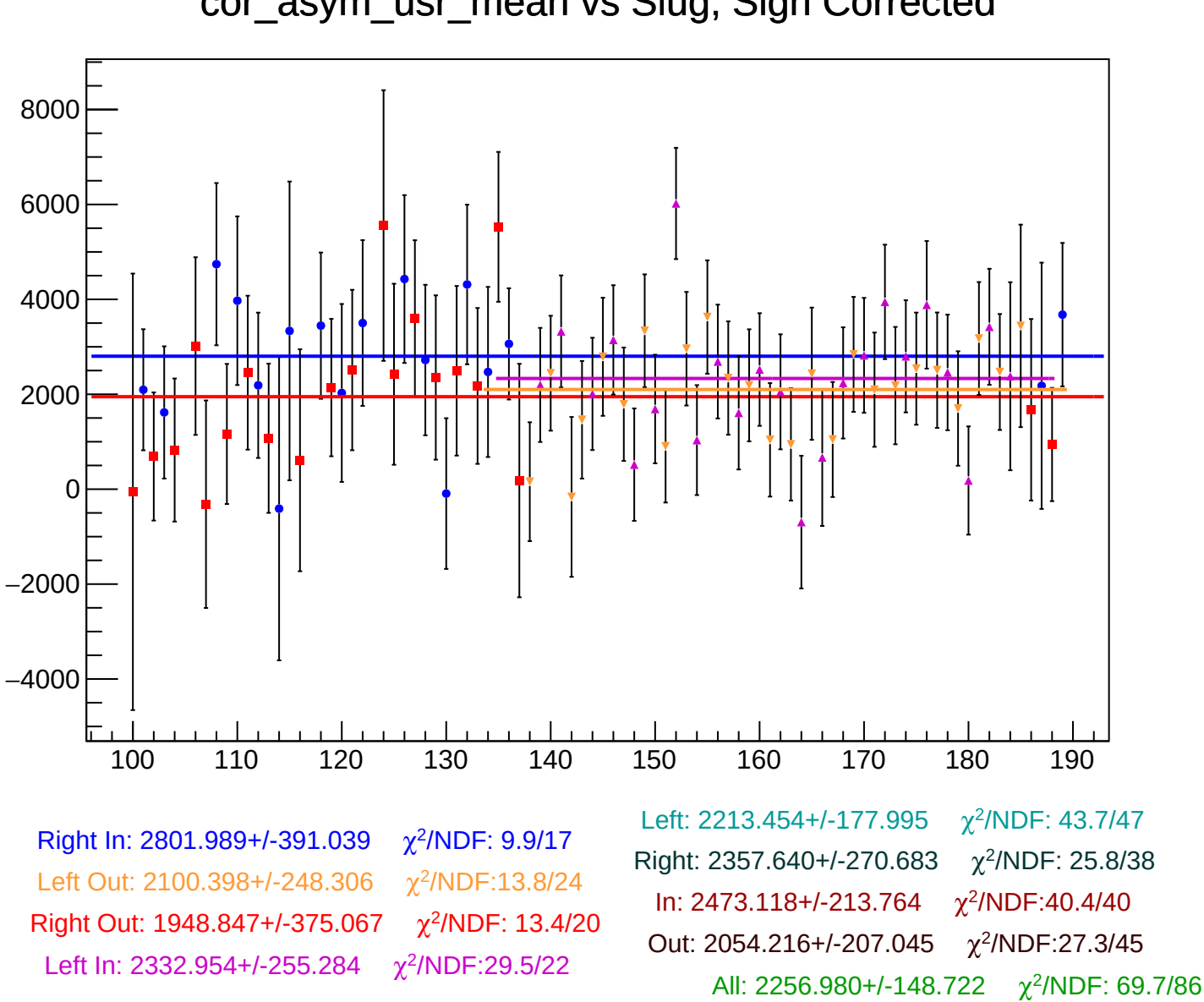
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1720.224+/-0.307 χ^2/NDF: 1910291.0/38

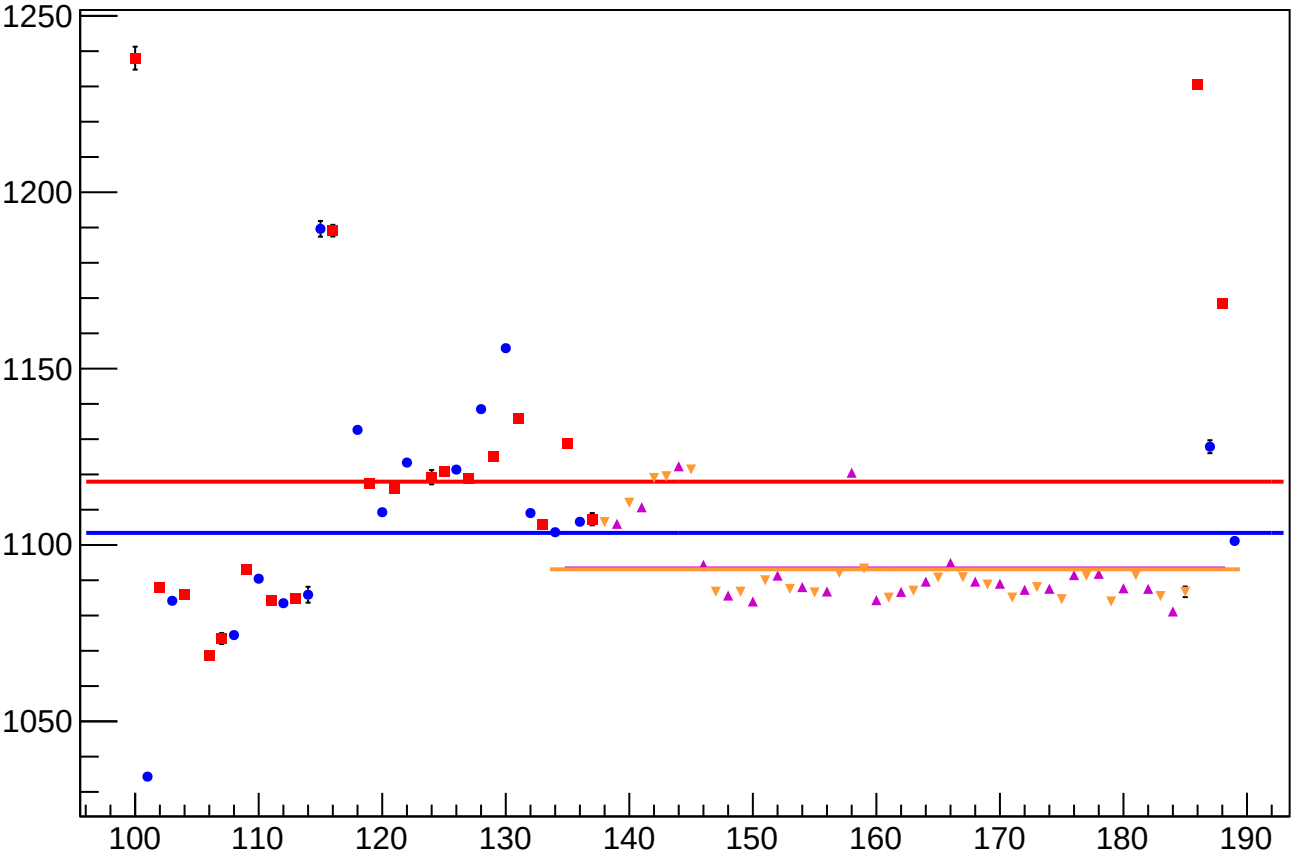
In: 1531.991+/-0.216 χ^2/NDF:2048218.9/40

Out: 1571.522+/-0.214 χ^2/NDF:2013931.5/45

All: 1551.968+/-0.152 χ^2/NDF: 4079021.1/86


cor_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 2801.989+/-391.039 χ²/NDF: 9.9/17
Left Out: 2100.398+/-248.306 χ²/NDF:13.8/24
Right Out: 1948.847+/-375.067 χ²/NDF: 13.4/20
Left In: 2332.954+/-255.284 χ²/NDF:29.5/22
Left: 2213.454+/-177.995 χ²/NDF: 43.7/47
Right: 2357.640+/-270.683 χ²/NDF: 25.8/38
In: 2473.118+/-213.764 χ²/NDF:40.4/40
Out: 2054.216+/-207.045 χ²/NDF:27.3/45
All: 2256.980+/-148.722 χ²/NDF: 69.7/86

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

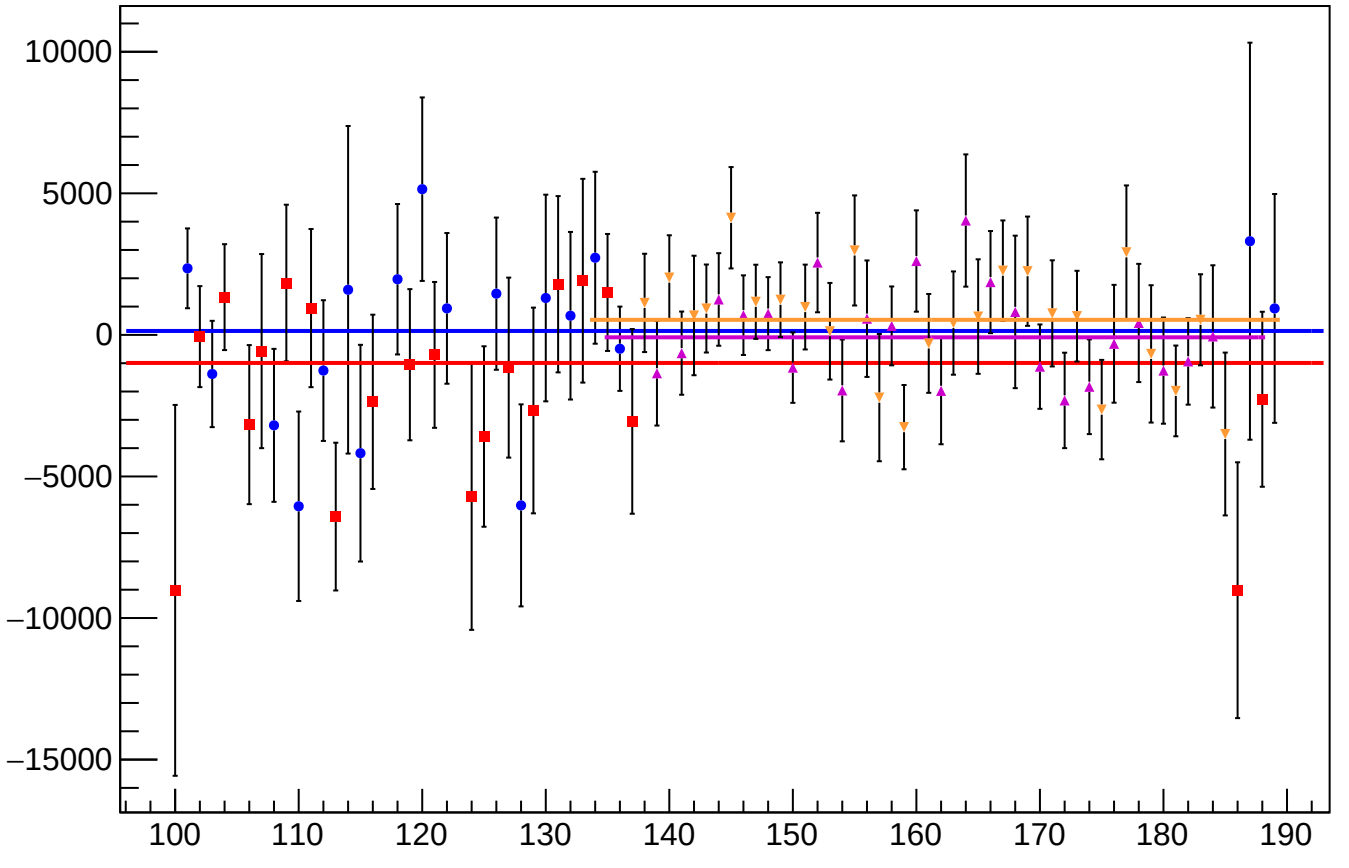
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1110.993+/-0.191 χ^2/NDF: 35452.2/38

In: 1096.354+/-0.151 χ^2/NDF:18067.5/40

Out: 1100.675+/-0.146 χ^2/NDF:30694.6/45

All: 1098.583+/-0.105 χ^2/NDF: 49183.8/86



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -991.018+/-617.990 χ^2/NDF: 18.5/20

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

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

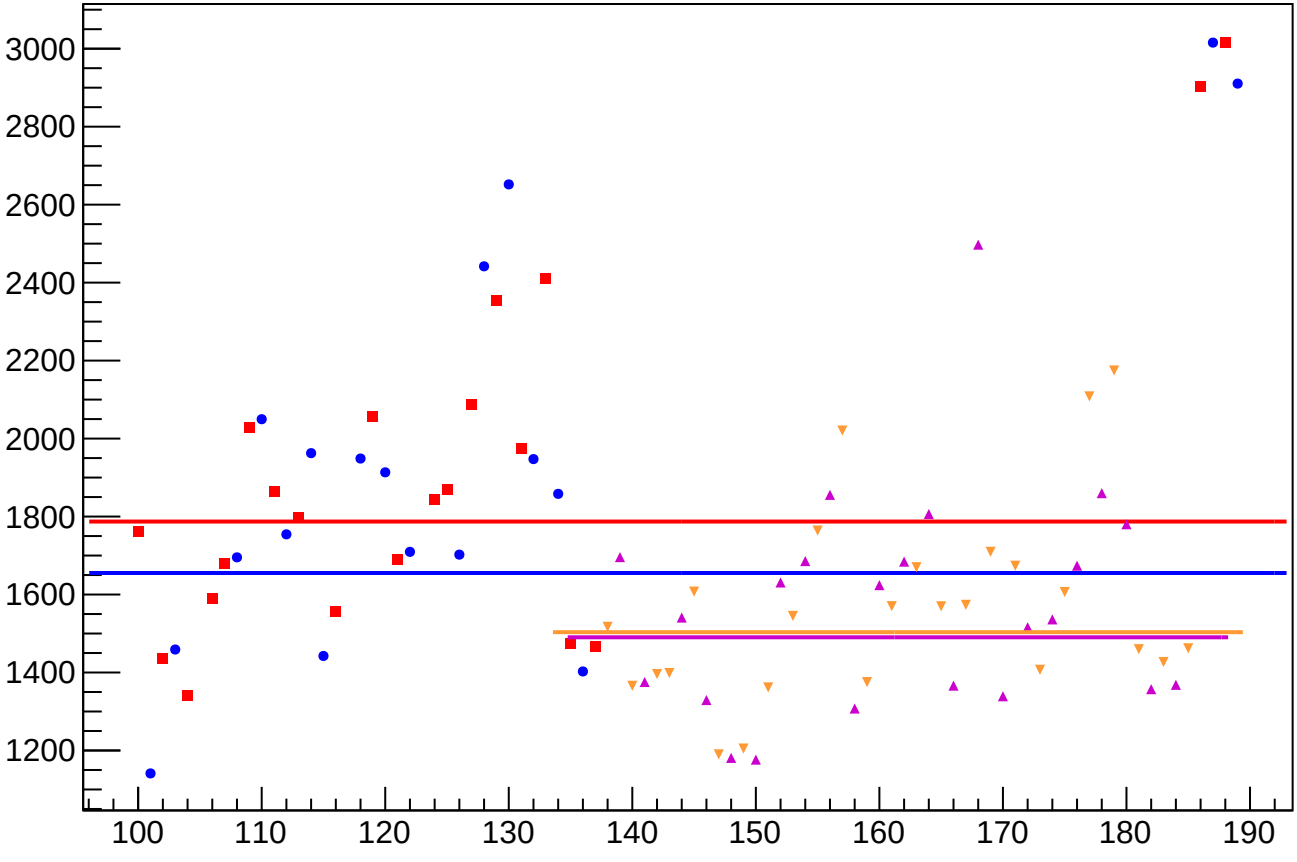
Right: -417.330+/-433.657 χ^2/NDF: 37.4/38

In: -28.593+/-305.967 χ^2/NDF:35.3/40

Out: 167.314+/-302.714 χ^2/NDF:49.6/45

All: 70.408+/-215.192 χ^2/NDF: 85.1/86

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

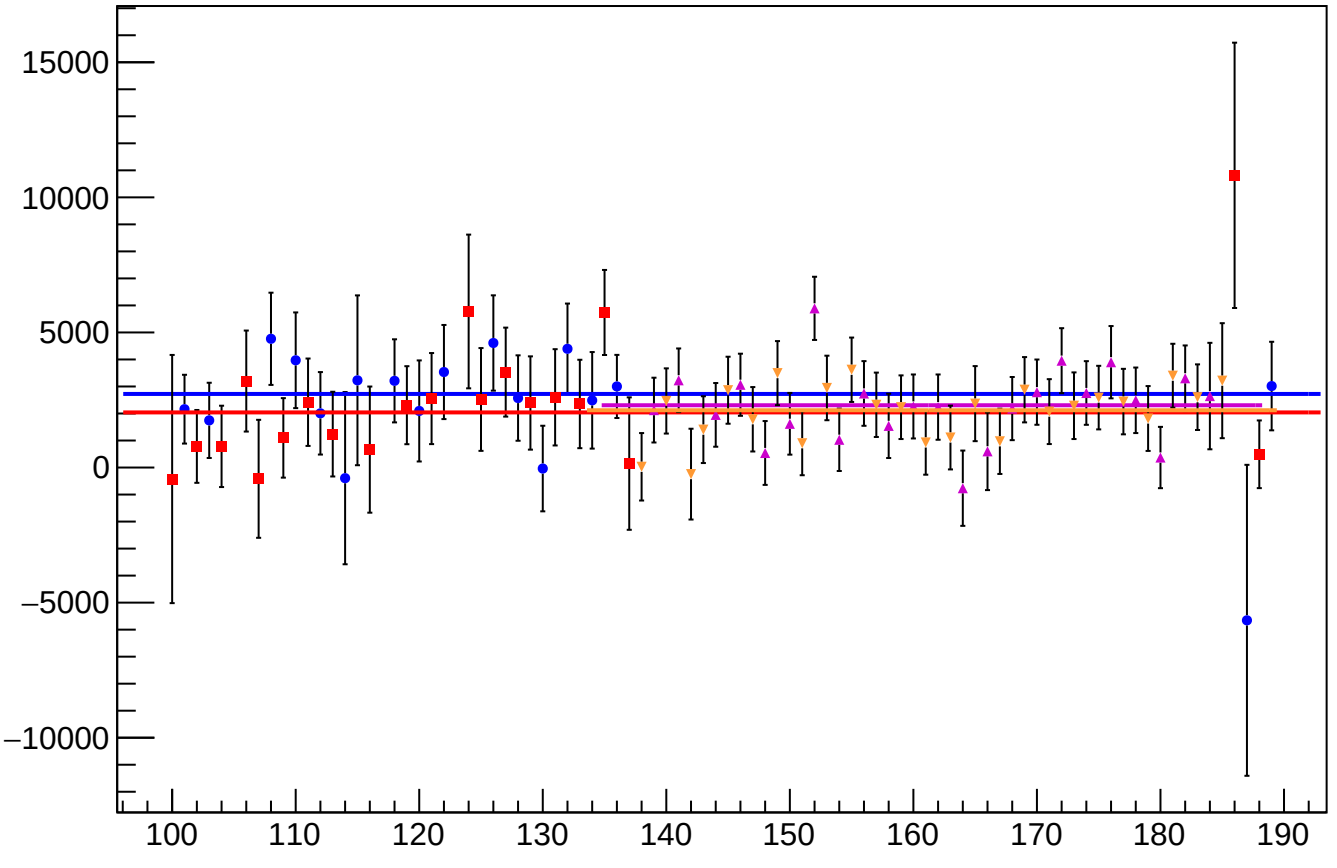
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1720.224+/-0.307 χ^2/NDF: 1910291.0/38

In: 1531.991+/-0.216 χ^2/NDF:2048218.9/40

Out: 1571.522+/-0.214 χ^2/NDF:2013931.5/45

All: 1551.968+/-0.152 χ^2/NDF: 4079021.1/86



Right In: 2723.830+/-395.670 χ^2/NDF: 11.7/17

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2040.007+/-382.289 χ^2/NDF: 18.3/20

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

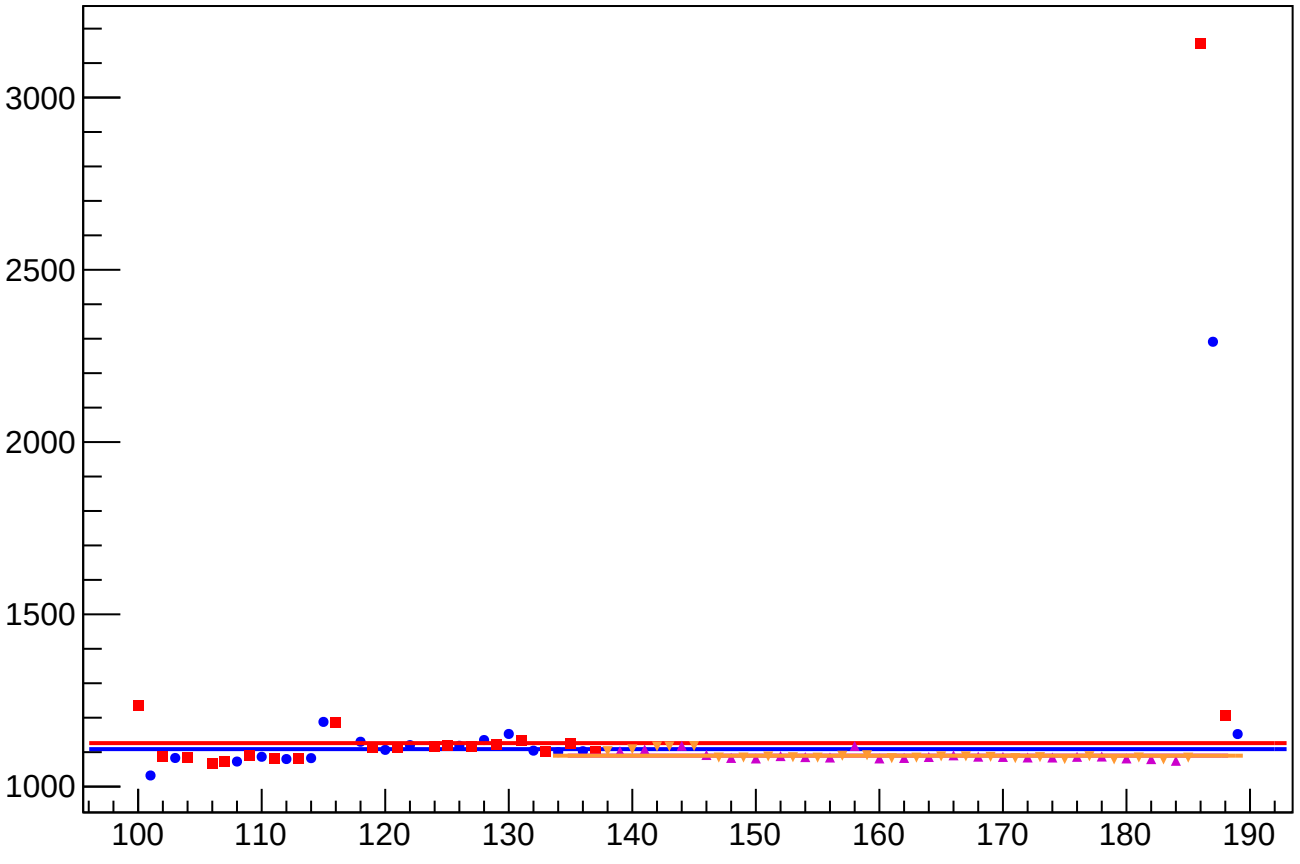
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2370.160+/-274.928 χ^2/NDF: 31.5/38

In: 2427.859+/-214.044 χ^2/NDF:40.9/40

Out: 2096.349+/-207.785 χ^2/NDF:33.5/45

All: 2257.187+/-149.090 χ^2/NDF: 75.6/86



Right In: 1108.777+/-0.280 χ^2/NDF: 99830.0/17

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1126.204+/-0.270 χ^2/NDF: 364016.8/20

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

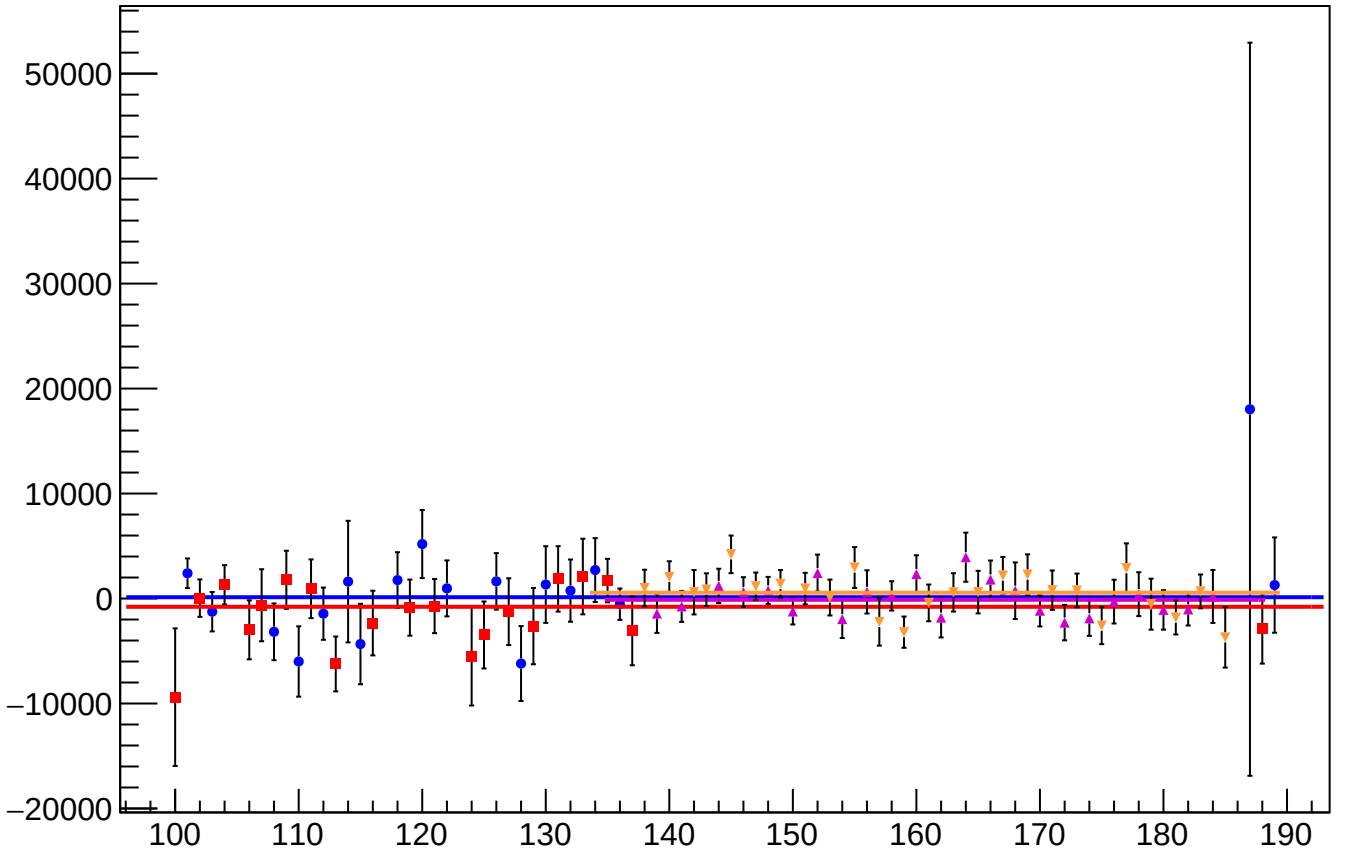
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1117.790+/-0.194 χ^2/NDF: 465853.5/38

In: 1095.470+/-0.151 χ^2/NDF:106924.2/40

Out: 1100.515+/-0.147 χ^2/NDF:380892.6/45

All: 1098.067+/-0.105 χ^2/NDF: 488388.9/86



Right In: 124.579+/-613.108 χ^2/NDF: 17.6/17

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -787.429+/-626.227 χ^2/NDF: 15.3/19

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

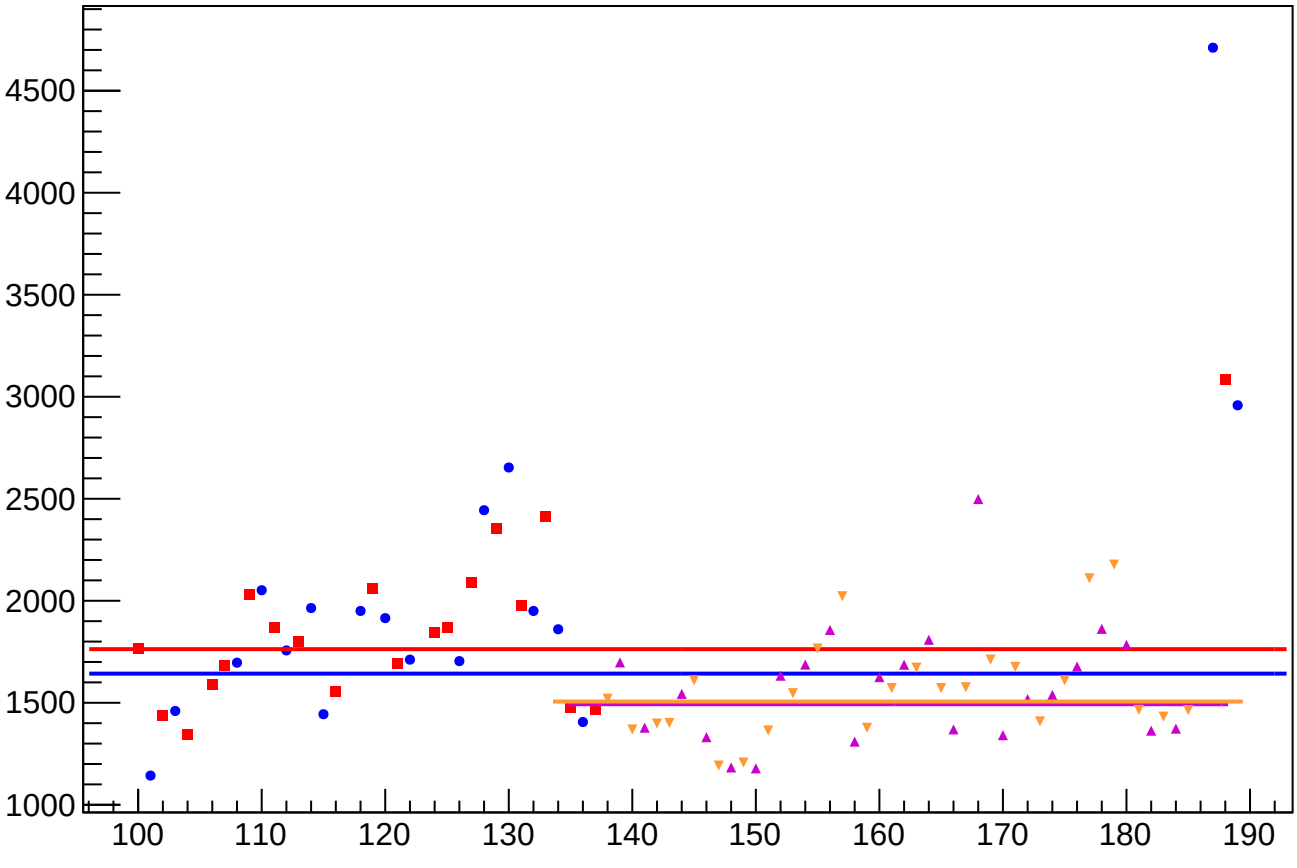
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -321.772+/-438.098 χ^2/NDF: 34.0/37

In: -59.774+/-306.919 χ^2/NDF:34.8/40

Out: 237.569+/-304.062 χ^2/NDF:45.0/44

All: 90.288+/-216.007 χ^2/NDF: 80.2/85



Right In: 1642.905+/-0.434 χ^2/NDF: 878467.7/17

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

Right Out: 1762.880+/-0.443 χ^2/NDF: 753679.2/19

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

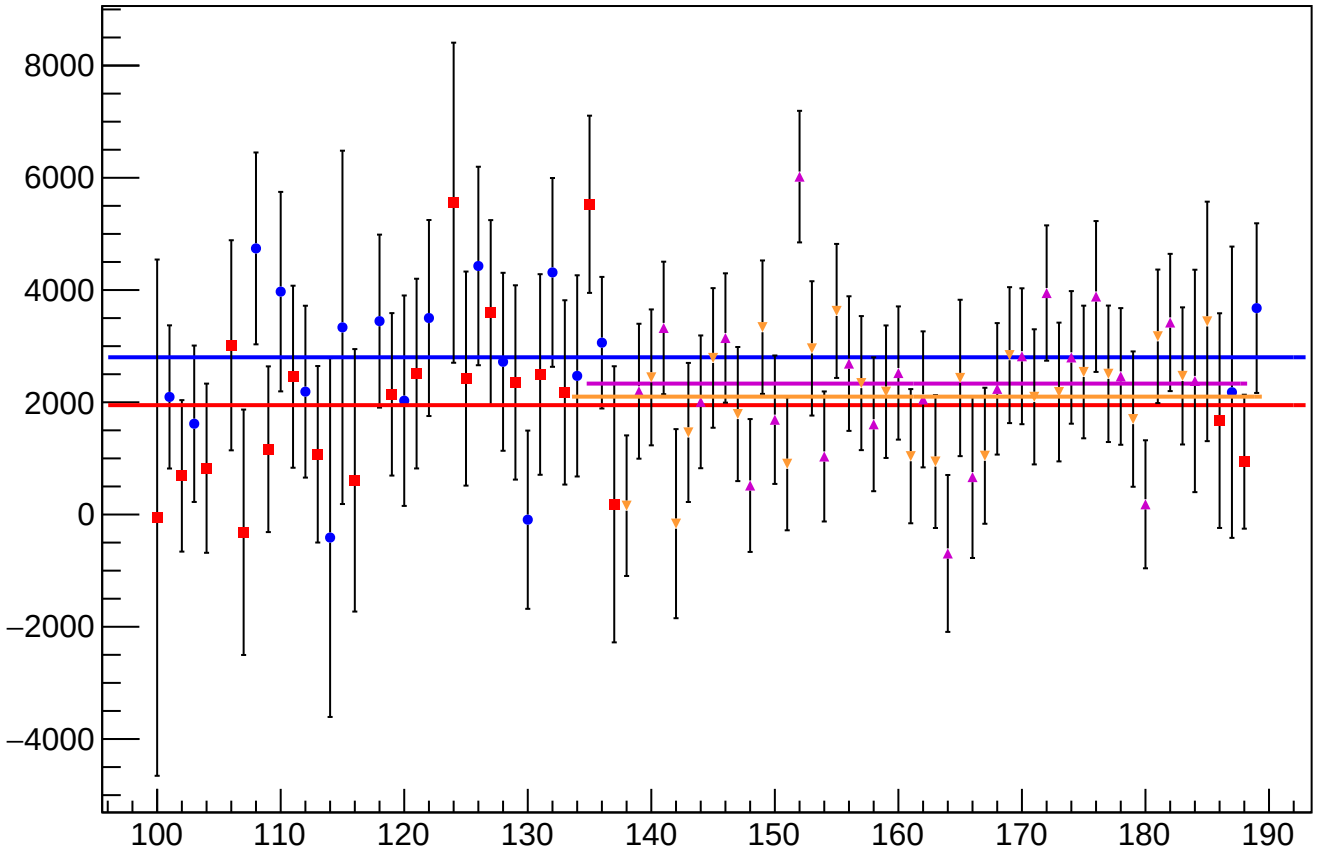
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1701.623+/-0.310 χ^2/NDF: 1669628.1/37

In: 1530.548+/-0.217 χ^2/NDF:1932453.9/40

Out: 1566.639+/-0.215 χ^2/NDF:1807068.4/44

All: 1548.762+/-0.153 χ^2/NDF: 3753479.8/85



Right In: 2801.989+/-391.039 χ^2/NDF: 9.9/17

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.847+/-375.067 χ^2/NDF: 13.4/20

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

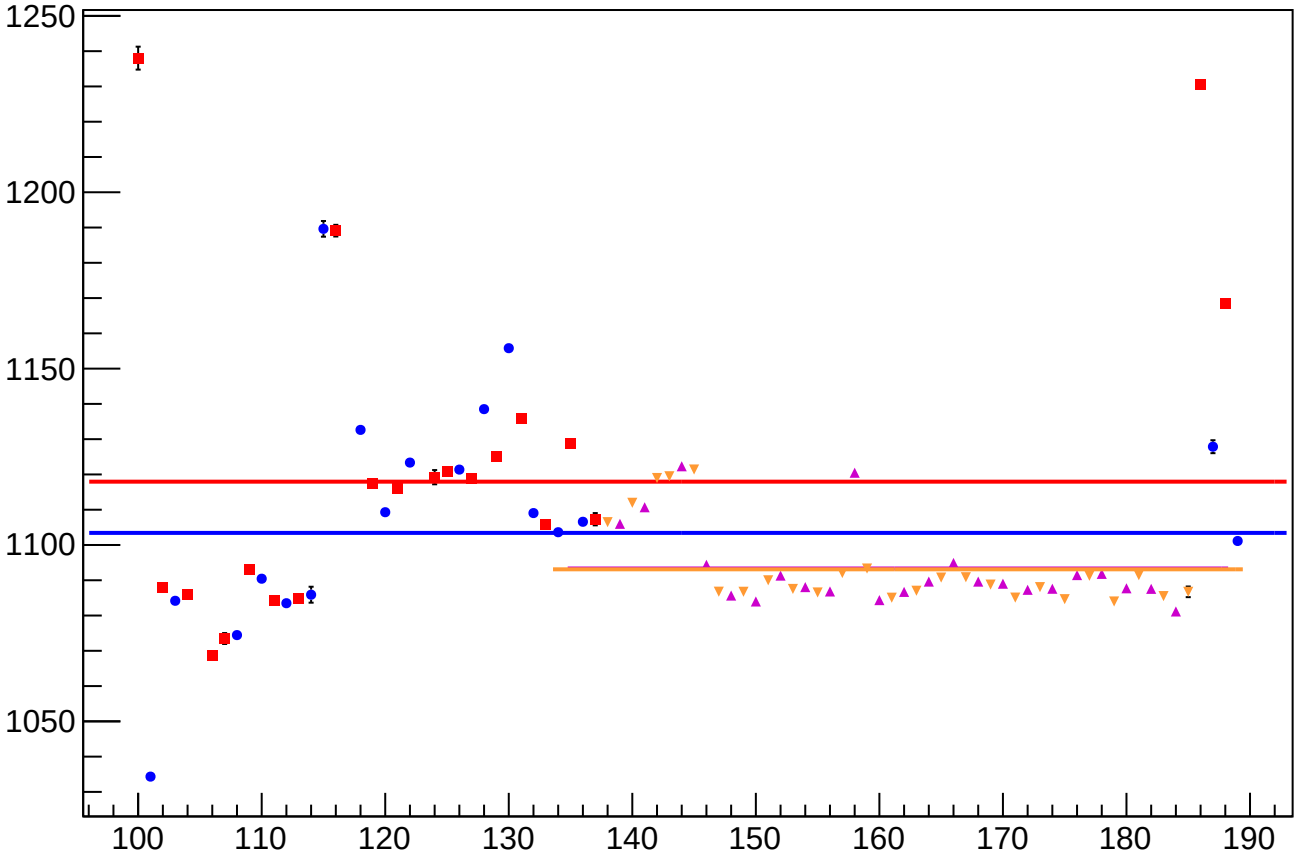
Right: 2357.640+/-270.683 χ^2/NDF: 25.8/38

In: 2473.118+/-213.764 χ^2/NDF:40.4/40

Out: 2054.216+/-207.045 χ^2/NDF:27.3/45

All: 2256.980+/-148.722 χ^2/NDF: 69.7/86

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.429+/-0.277 χ^2/NDF: 13408.0/17

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

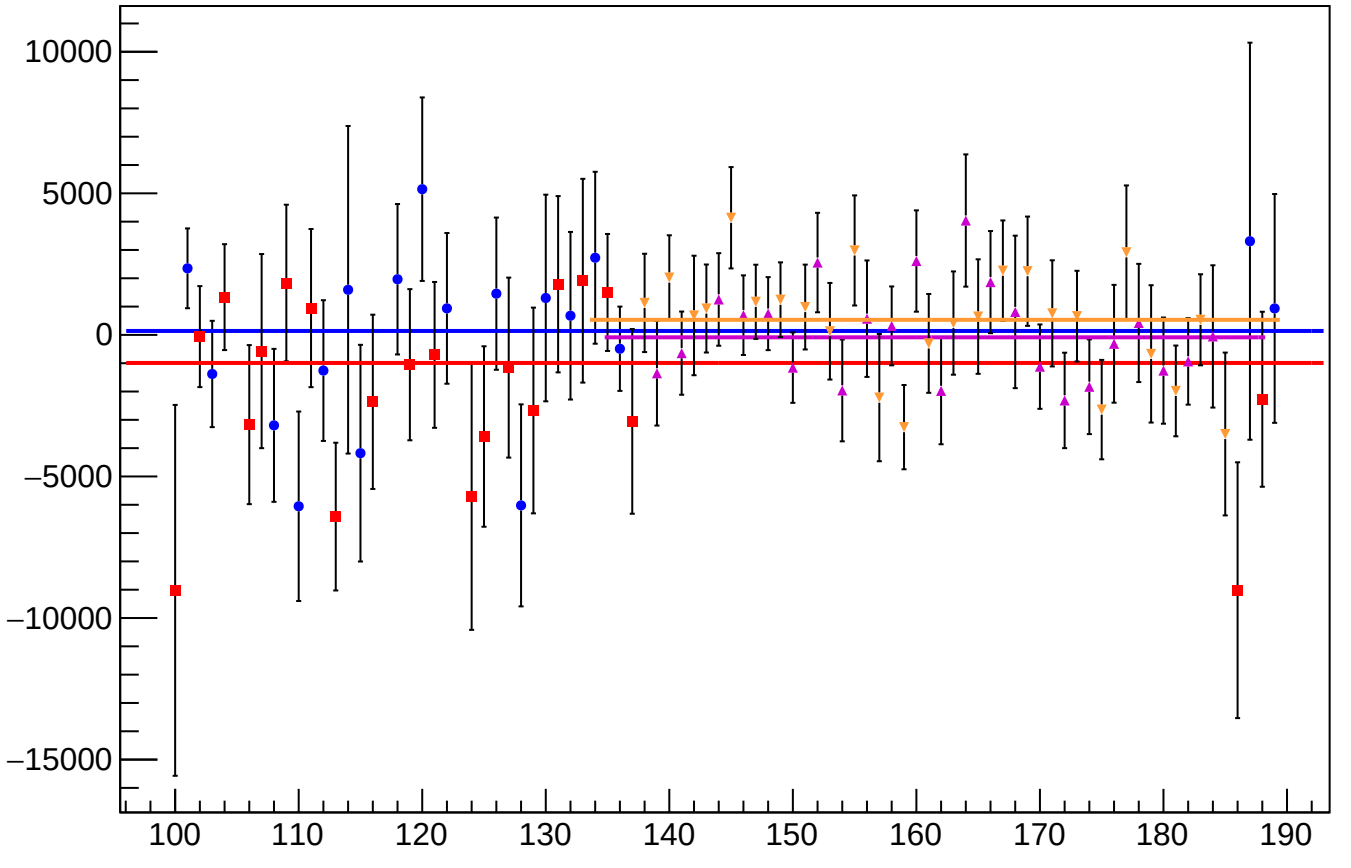
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1110.993+/-0.191 χ^2/NDF: 35452.2/38

In: 1096.354+/-0.151 χ^2/NDF:18067.5/40

Out: 1100.675+/-0.146 χ^2/NDF:30694.6/45

All: 1098.583+/-0.105 χ^2/NDF: 49183.8/86



Right In: 139.208+/-608.682 χ^2/NDF: 17.2/17

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -991.018+/-617.990 χ^2/NDF: 18.5/20

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

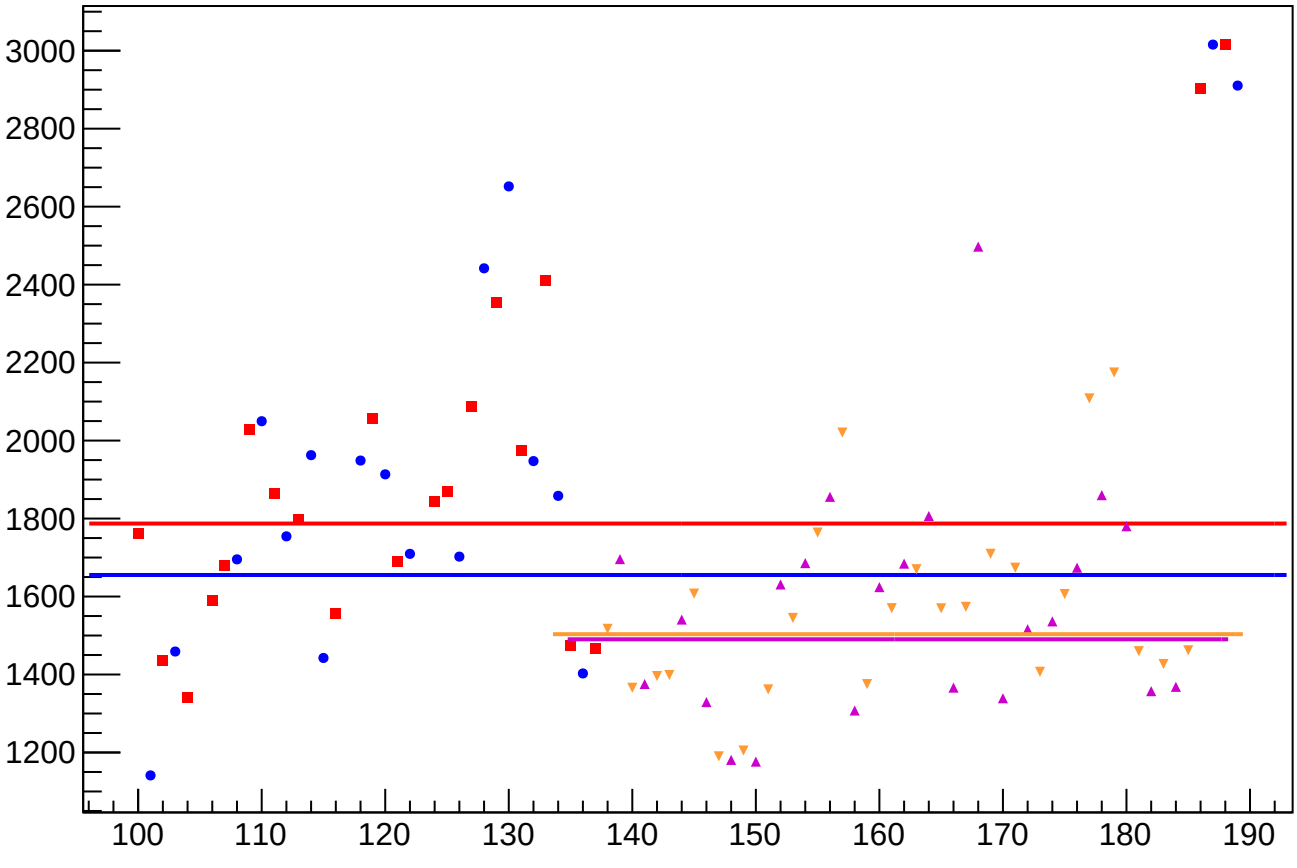
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -417.330+/-433.657 χ^2/NDF: 37.4/38

In: -28.593+/-305.967 χ^2/NDF:35.3/40

Out: 167.314+/-302.714 χ^2/NDF:49.6/45

All: 70.408+/-215.192 χ^2/NDF: 85.1/86



Right In: 1655.255+/-0.430 χ^2/NDF: 970245.9/17

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

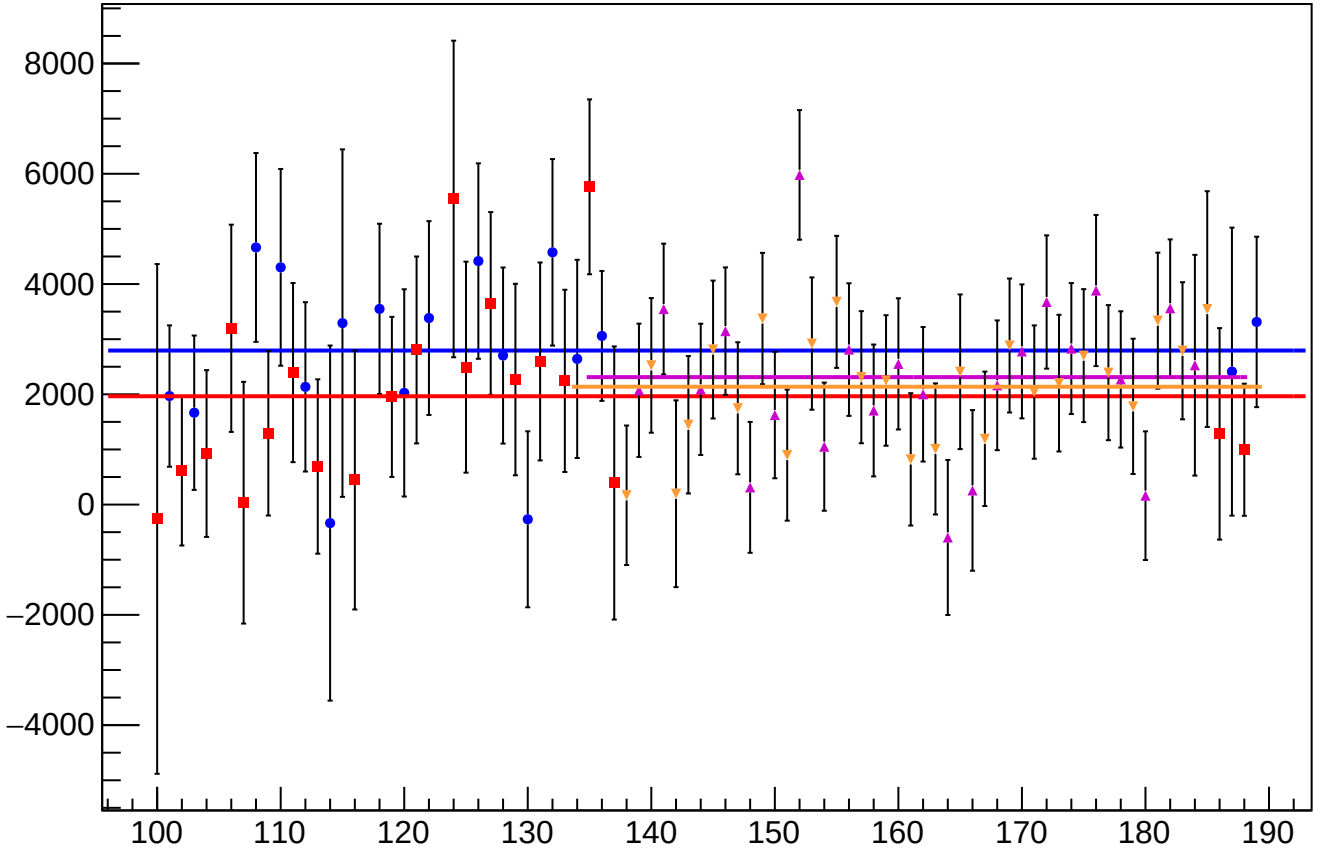
Right: 1720.224+/-0.307 χ^2/NDF: 1910291.0/38

In: 1531.991+/-0.216 χ^2/NDF:2048218.9/40

Out: 1571.522+/-0.214 χ^2/NDF:2013931.5/45

All: 1551.968+/-0.152 χ^2/NDF: 4079021.1/86

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2793.942+/-393.174 χ^2/NDF: 10.5/17

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1964.677+/-376.687 χ^2/NDF: 14.3/20

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

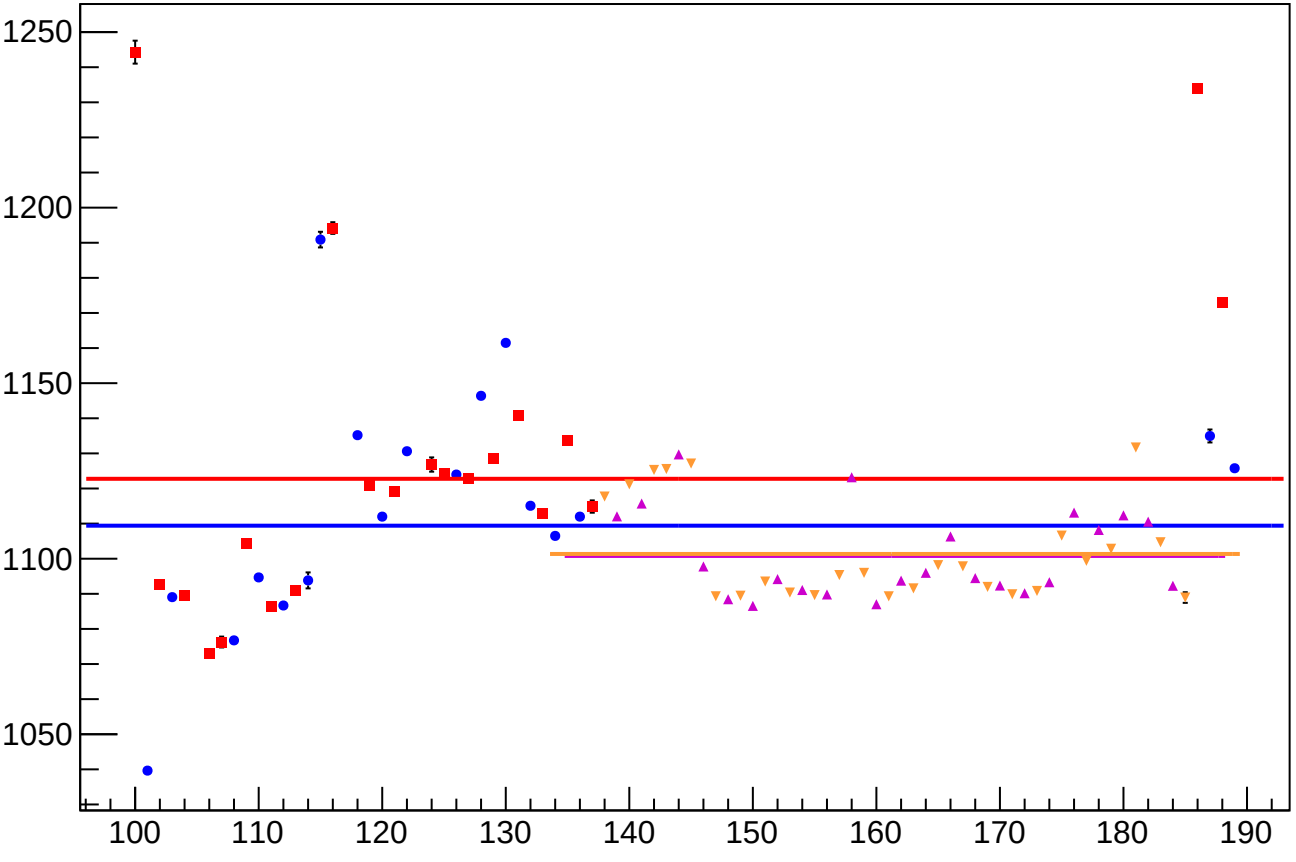
Right: 2361.559+/-271.999 χ^2/NDF: 27.0/38

In: 2456.135+/-215.141 χ^2/NDF:41.5/40

Out: 2084.378+/-208.412 χ^2/NDF:28.3/45

All: 2264.351+/-149.692 χ^2/NDF: 71.3/86

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1109.408+/-0.278 χ^2/NDF: 13674.4/17

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.762+/-0.266 χ^2/NDF: 20295.5/20

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

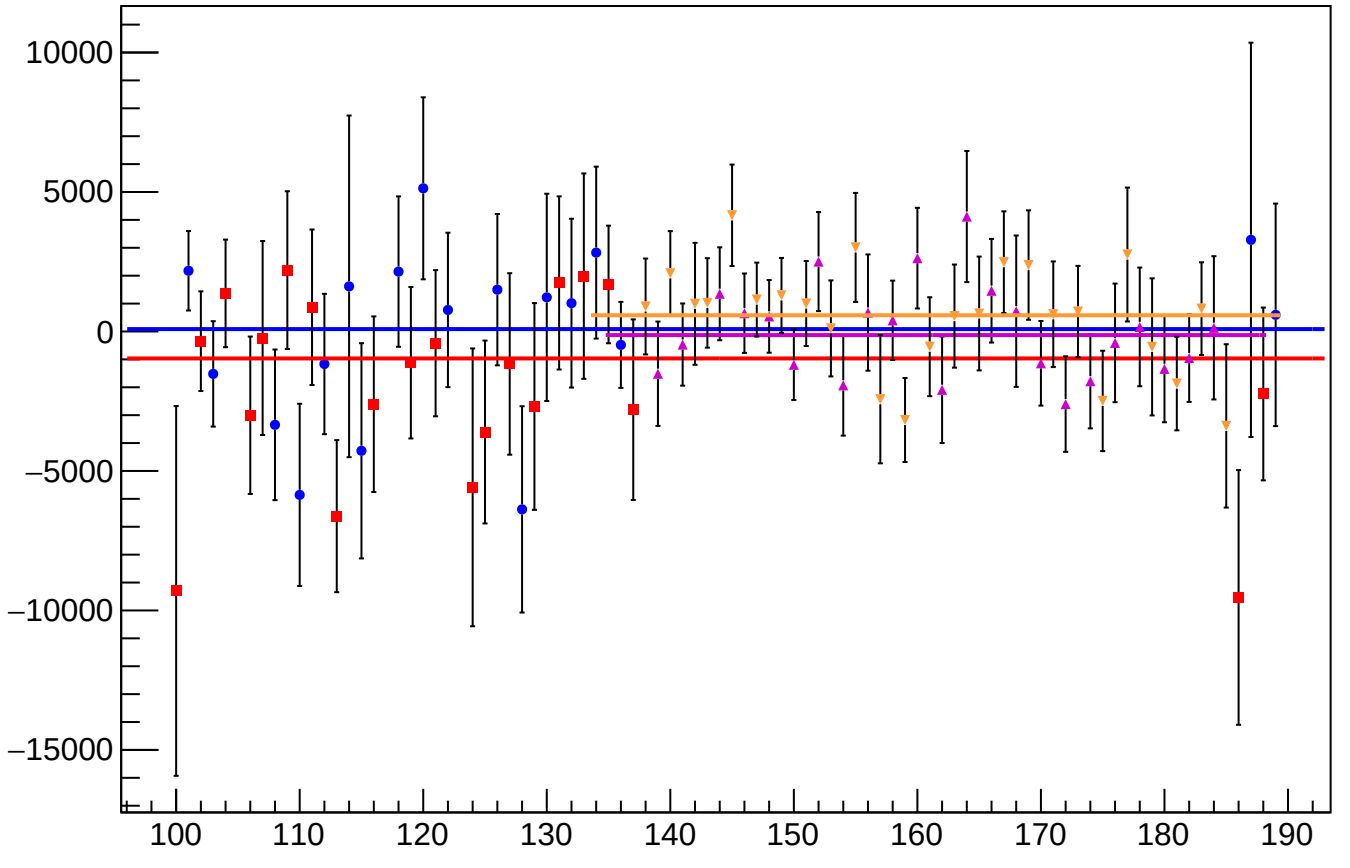
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1116.371+/-0.192 χ^2/NDF: 35172.8/38

In: 1103.372+/-0.152 χ^2/NDF:18988.9/40

Out: 1107.907+/-0.147 χ^2/NDF:30728.6/45

All: 1105.711+/-0.106 χ^2/NDF: 50175.9/86



Right In: 85.730+/-618.038 χ^2/NDF: 17.1/17

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -966.451+/-628.041 χ^2/NDF: 18.8/20

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

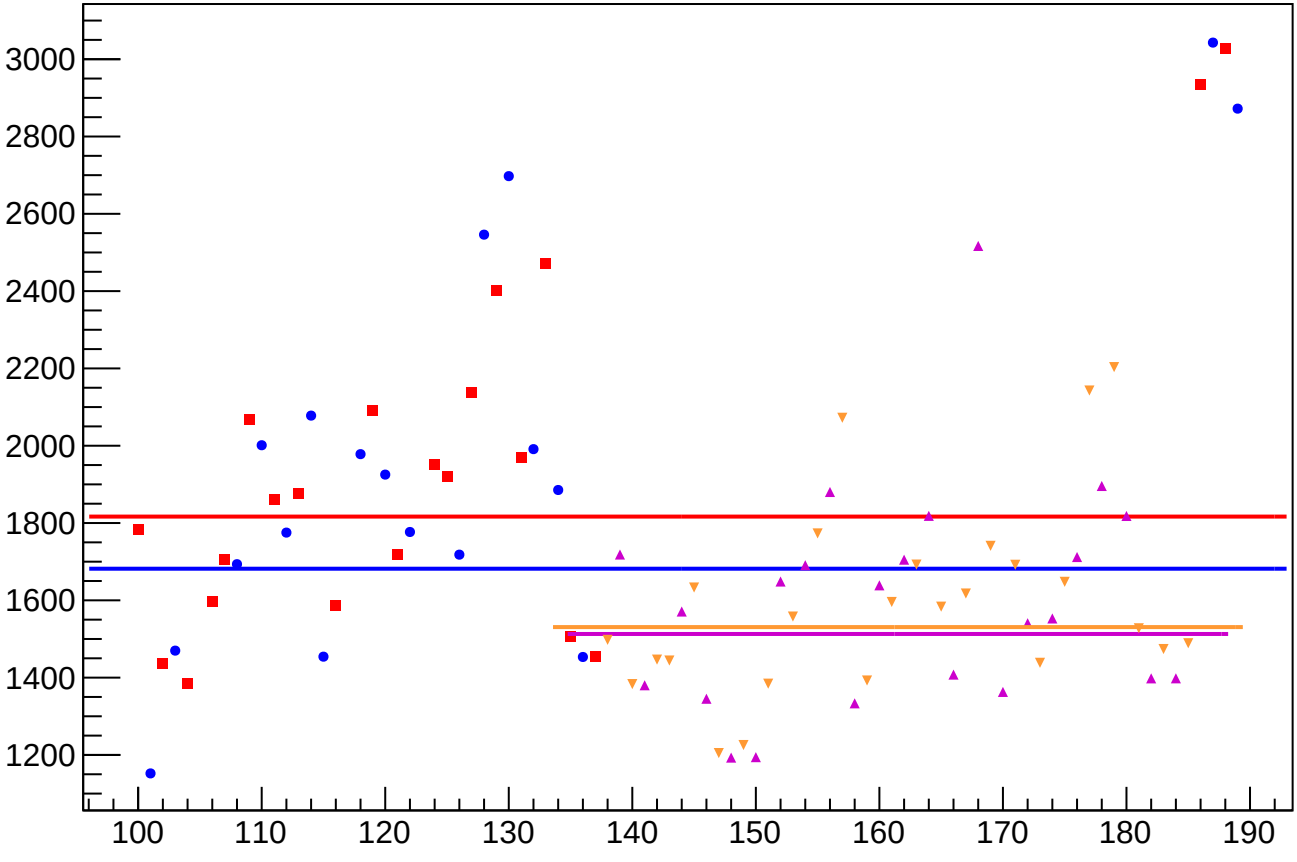
Right: -431.915+/-440.513 χ^2/NDF: 37.3/38

In: -74.625+/-310.512 χ^2/NDF:35.0/40

Out: 209.200+/-307.981 χ^2/NDF:48.8/45

All: 68.449+/-218.665 χ^2/NDF: 84.2/86

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1681.805+/-0.437 χ^2/NDF: 961865.1/17

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1816.677+/-0.444 χ^2/NDF: 890990.2/20

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

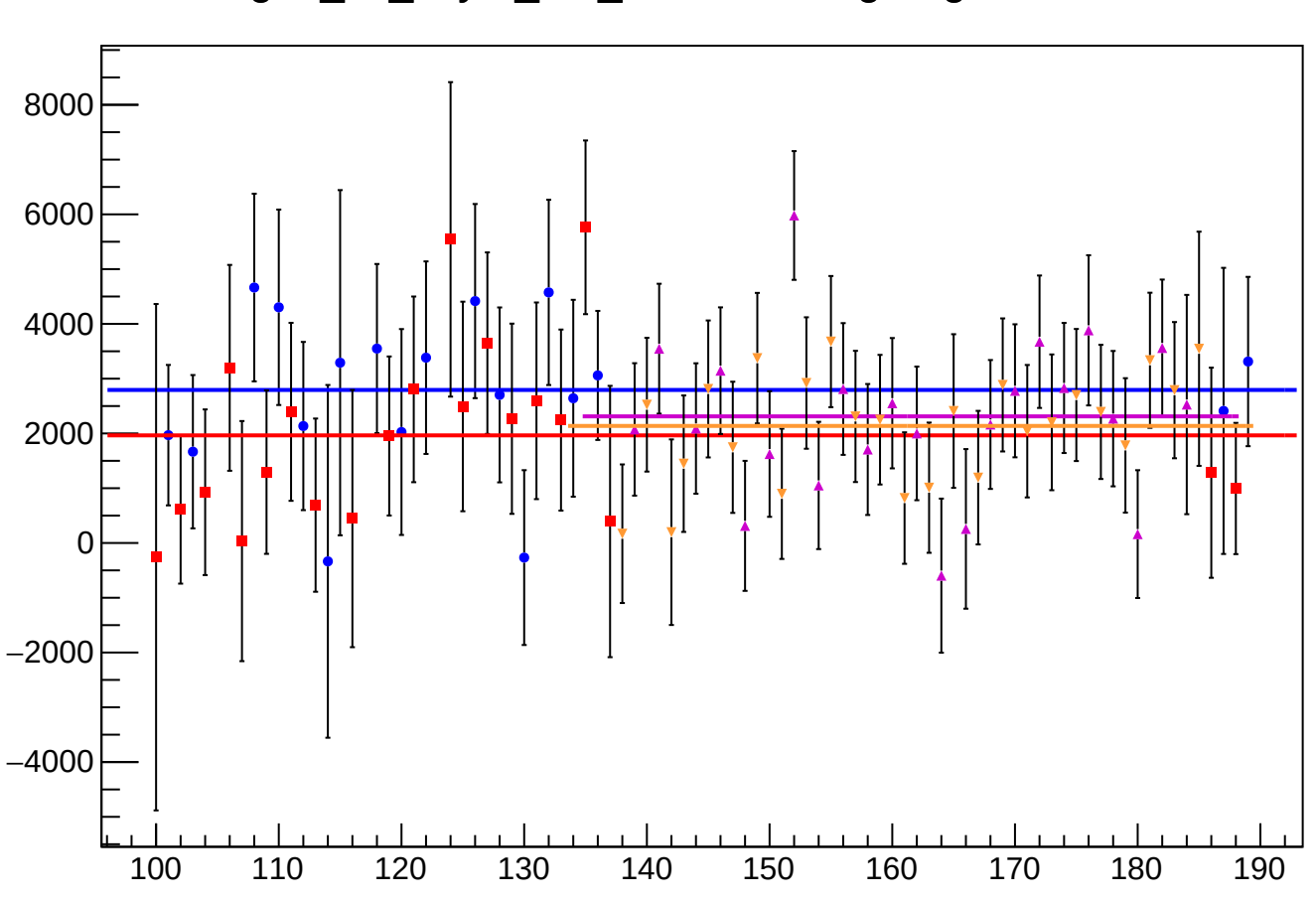
Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

Right: 1748.159+/-0.311 χ^2/NDF: 1899713.2/38

In: 1555.570+/-0.220 χ^2/NDF:2030534.4/40

Out: 1599.519+/-0.218 χ^2/NDF:2001445.2/45

All: 1577.725+/-0.155 χ^2/NDF: 4052176.3/86



Right In: 2793.942+/-393.174 χ^2/NDF: 10.5/17

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 1964.677+/-376.686 χ^2/NDF: 14.3/20

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

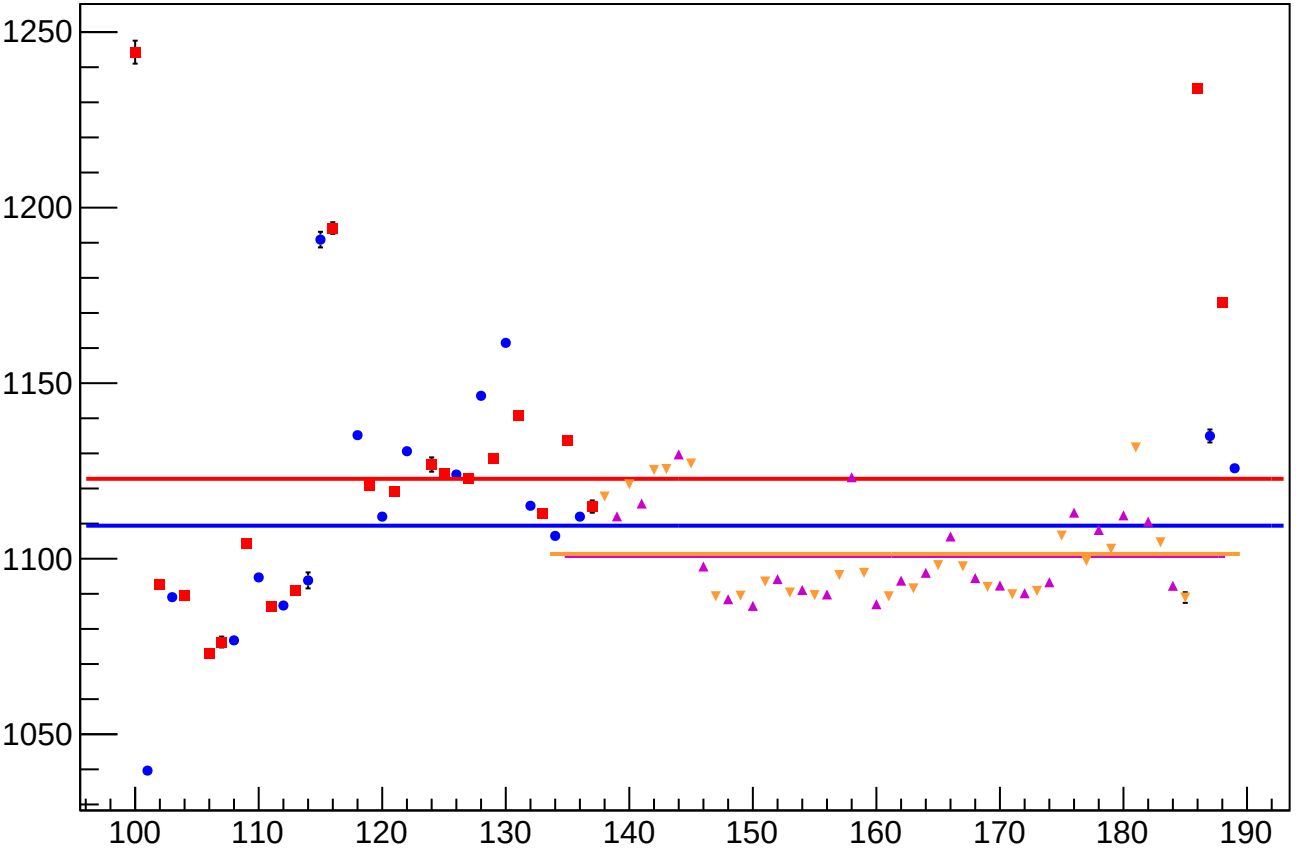
Right: 2361.558+/-271.999 χ^2/NDF: 27.0/38

In: 2456.134+/-215.141 χ^2/NDF:41.5/40

Out: 2084.376+/-208.412 χ^2/NDF:28.3/45

All: 2264.350+/-149.692 χ^2/NDF: 71.3/86

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1109.408+/-0.278 χ^2/NDF: 13674.3/17

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.761+/-0.266 χ^2/NDF: 20295.5/20

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

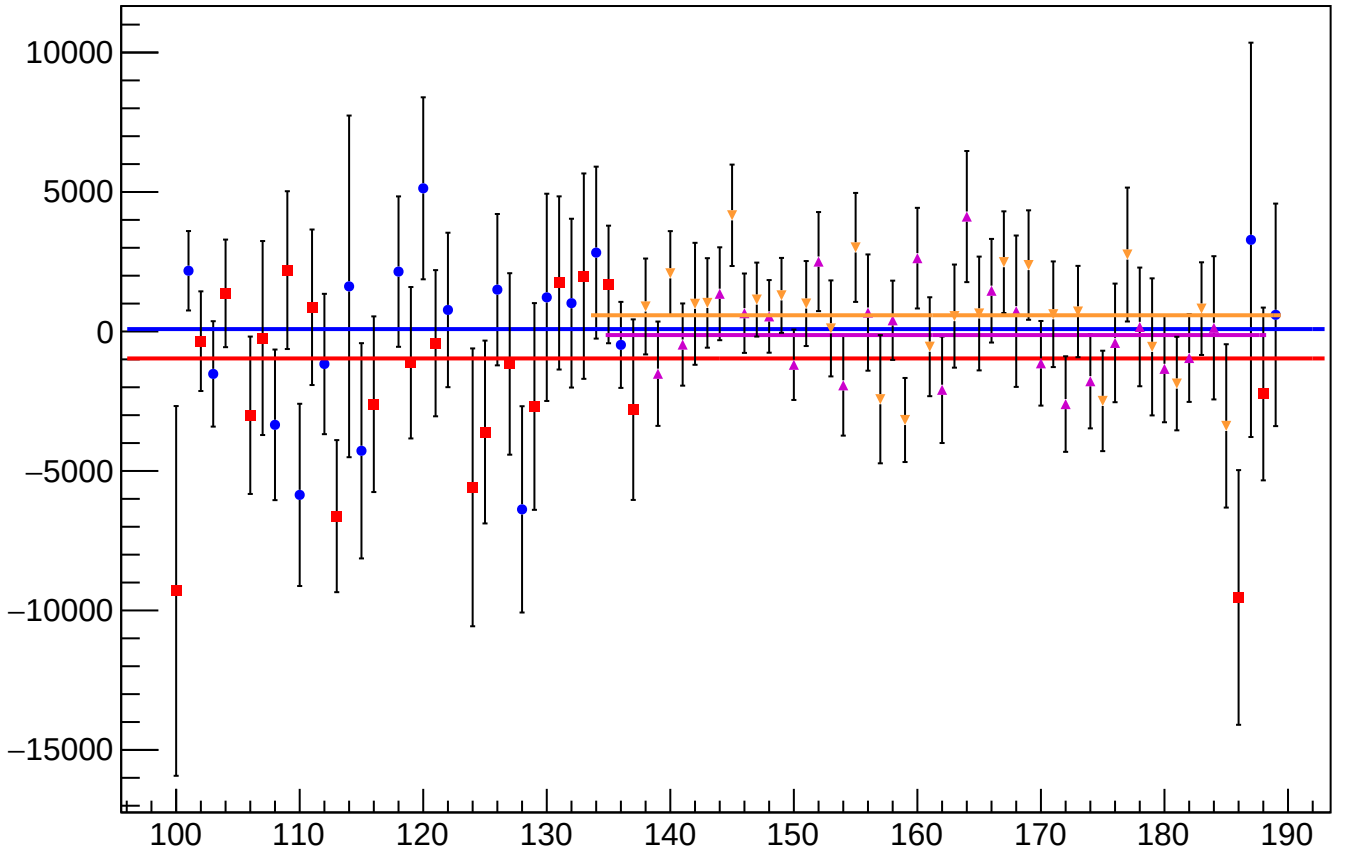
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1116.371+/-0.192 χ^2/NDF: 35172.7/38

In: 1103.372+/-0.152 χ^2/NDF:18988.8/40

Out: 1107.907+/-0.147 χ^2/NDF:30728.5/45

All: 1105.711+/-0.106 χ^2/NDF: 50175.7/86



Right In: 85.725+/-618.037 χ^2/NDF: 17.1/17

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -966.454+/-628.040 χ^2/NDF: 18.8/20

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

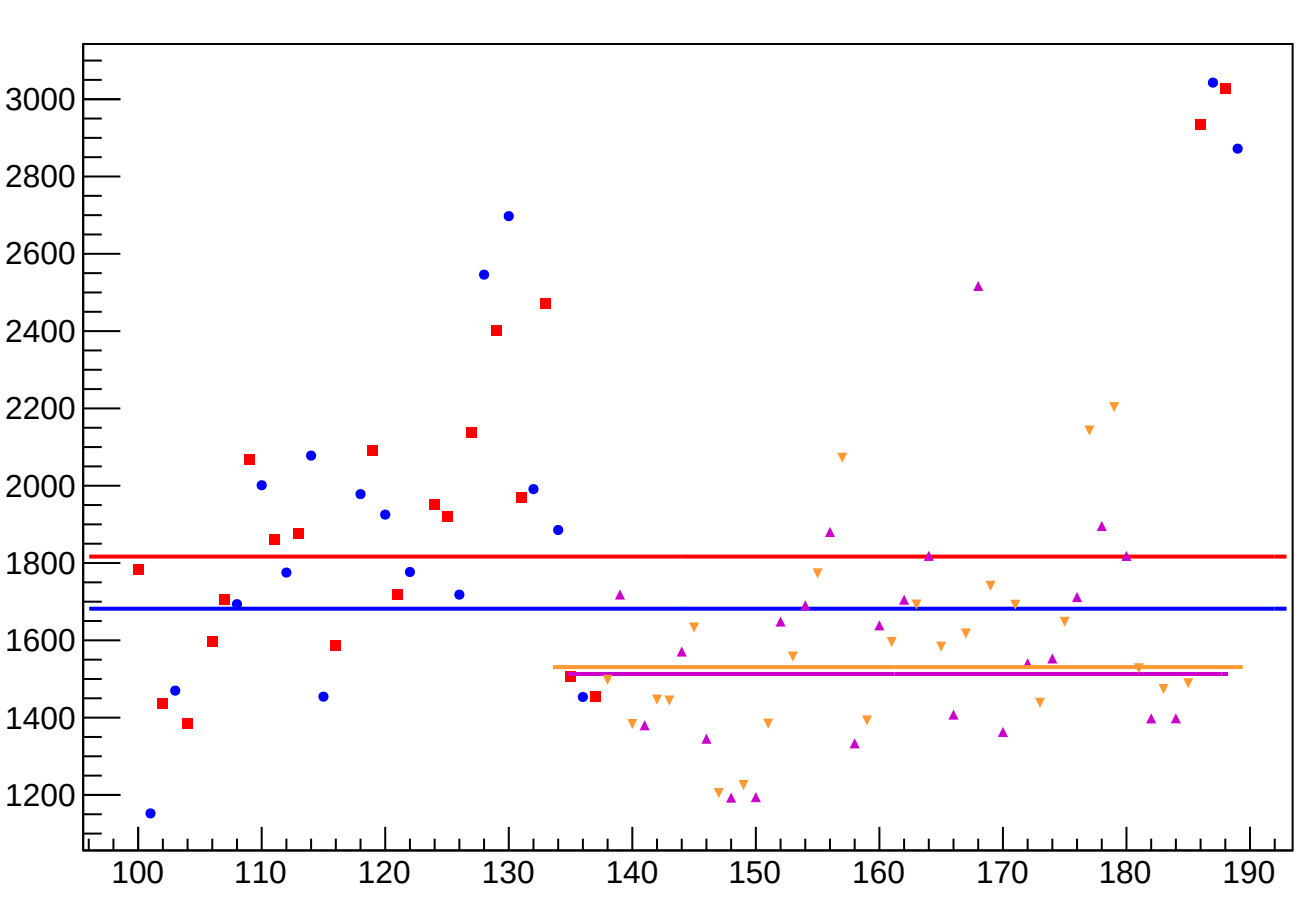
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -431.918+/-440.512 χ^2/NDF: 37.3/38

In: -74.626+/-310.512 χ^2/NDF:35.0/40

Out: 209.196+/-307.981 χ^2/NDF:48.8/45

All: 68.447+/-218.665 χ^2/NDF: 84.2/86



Right In: 1681.803+/-0.437 χ^2/NDF: 961852.9/17

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 1816.676+/-0.444 χ^2/NDF: 890976.0/20

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

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

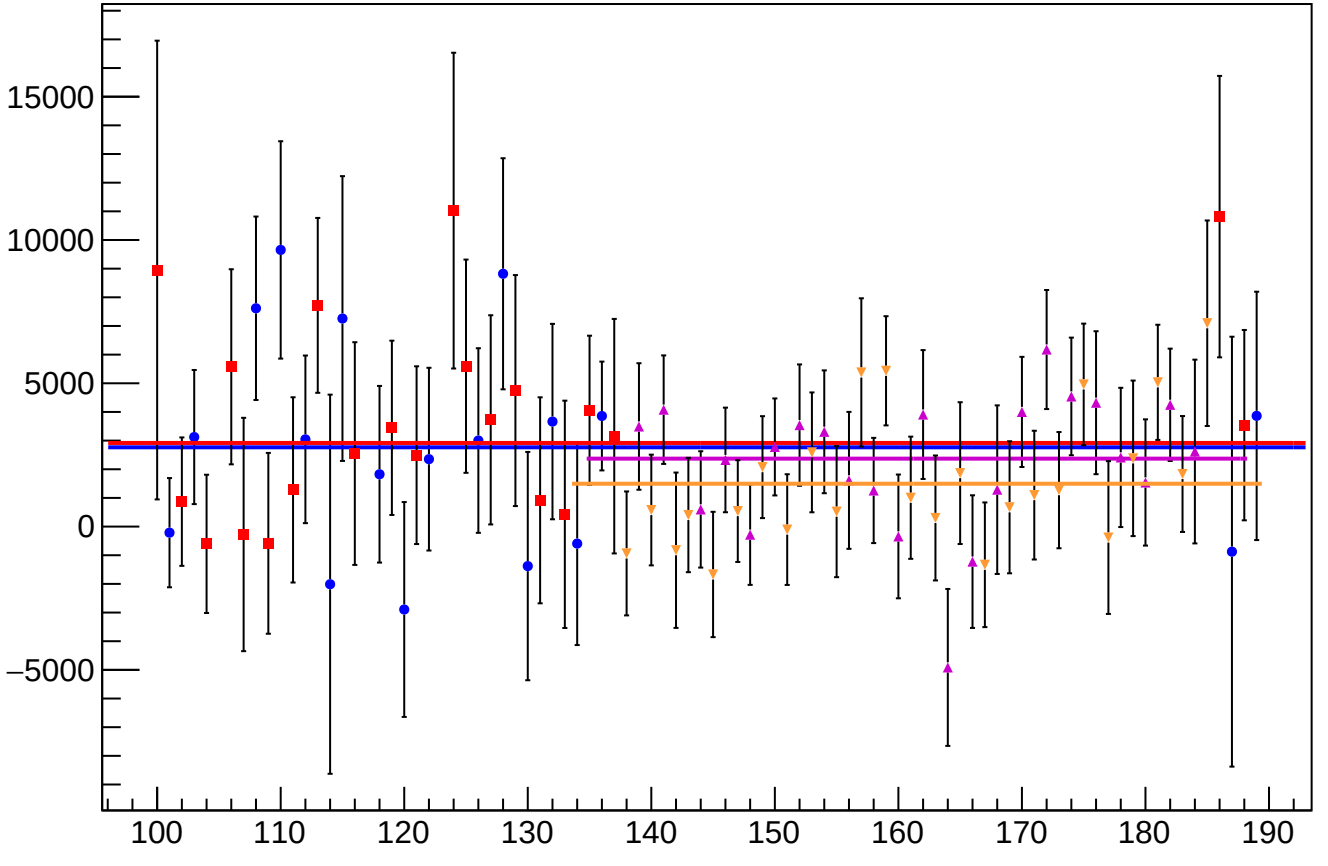
Right: 1748.157+/-0.311 χ^2/NDF: 1899687.5/38

In: 1555.573+/-0.220 χ^2/NDF:2030520.4/40

Out: 1599.522+/-0.218 χ^2/NDF:2001423.5/45

All: 1577.727+/-0.155 χ^2/NDF: 4052141.0/86

asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.317+/-742.148 χ^2/NDF: 16.7/17

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 2917.750+/-737.704 χ^2/NDF: 15.2/20

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

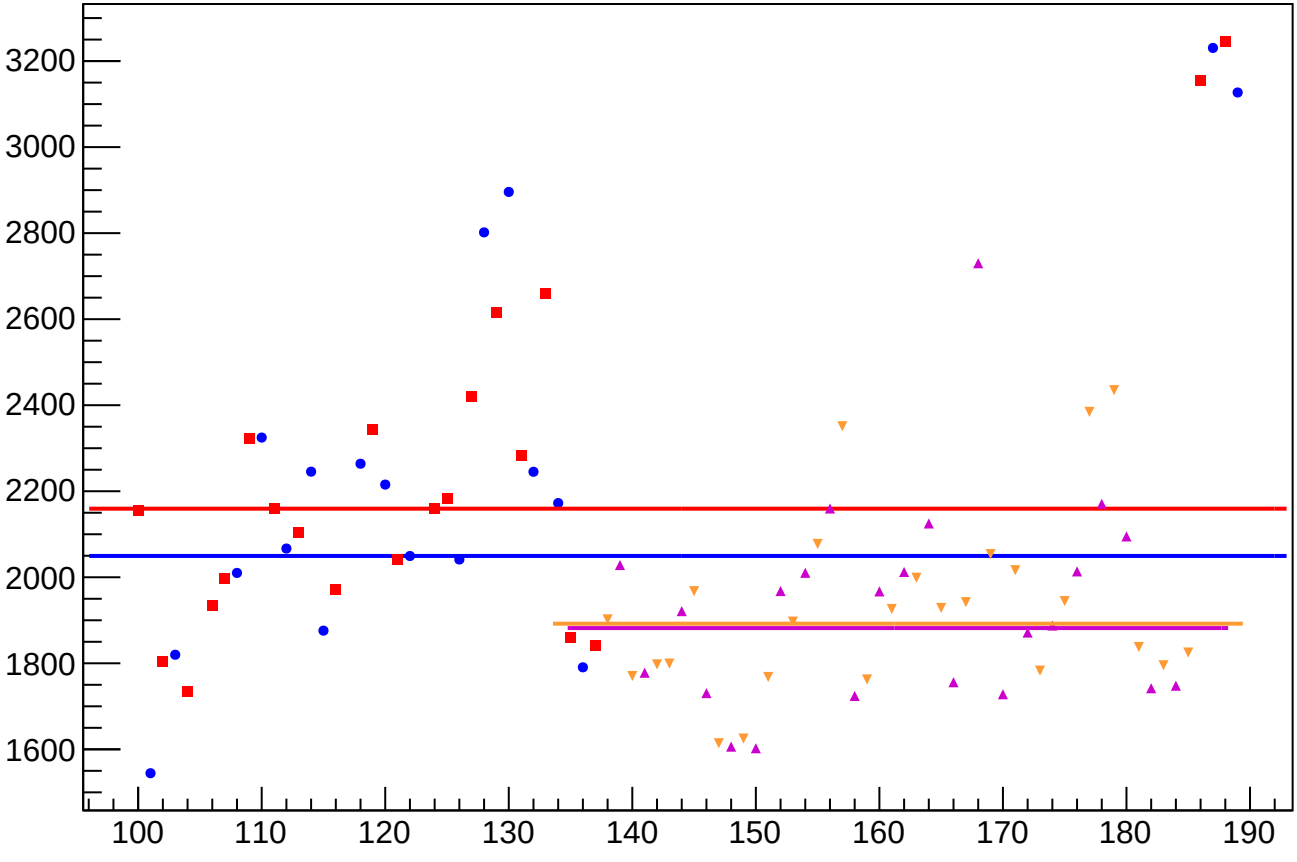
Right: 2842.488+/-523.200 χ^2/NDF: 32.0/38

In: 2474.609+/-380.356 χ^2/NDF:40.7/40

Out: 1859.825+/-373.552 χ^2/NDF:41.8/45

All: 2161.669+/-266.514 χ^2/NDF: 83.7/86

asym_usr_rms vs Slug, Sign Corrected



Right In: 2049.568+/-0.525 χ^2/NDF: 567873.9/17

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2159.456+/-0.522 χ^2/NDF: 549483.1/20

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

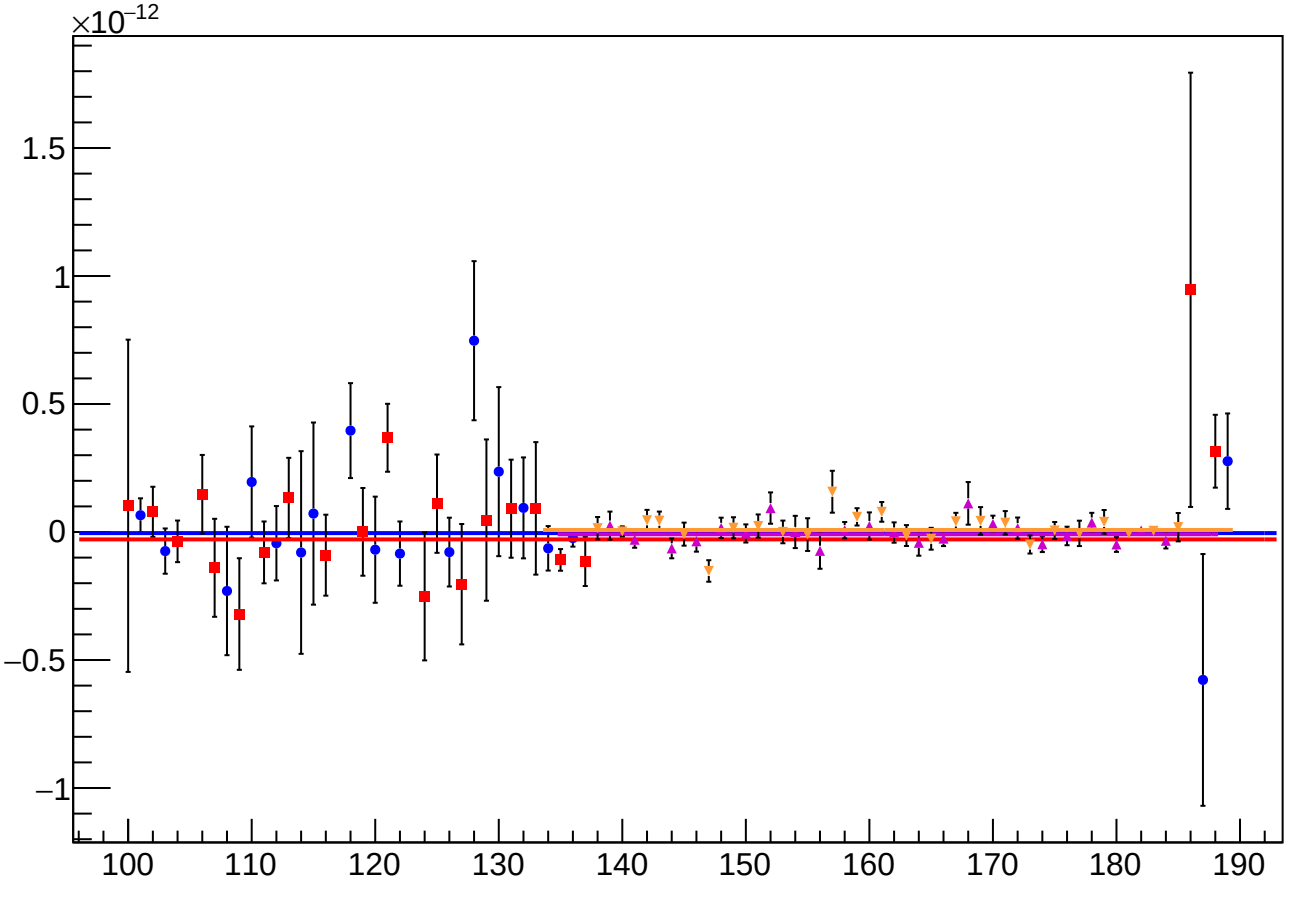
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2104.842+/-0.370 χ^2/NDF: 1139412.8/38

In: 1925.934+/-0.269 χ^2/NDF:1105809.6/40

Out: 1960.666+/-0.264 χ^2/NDF:1134440.8/45

All: 1943.613+/-0.188 χ^2/NDF: 2248739.1/86



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/20

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

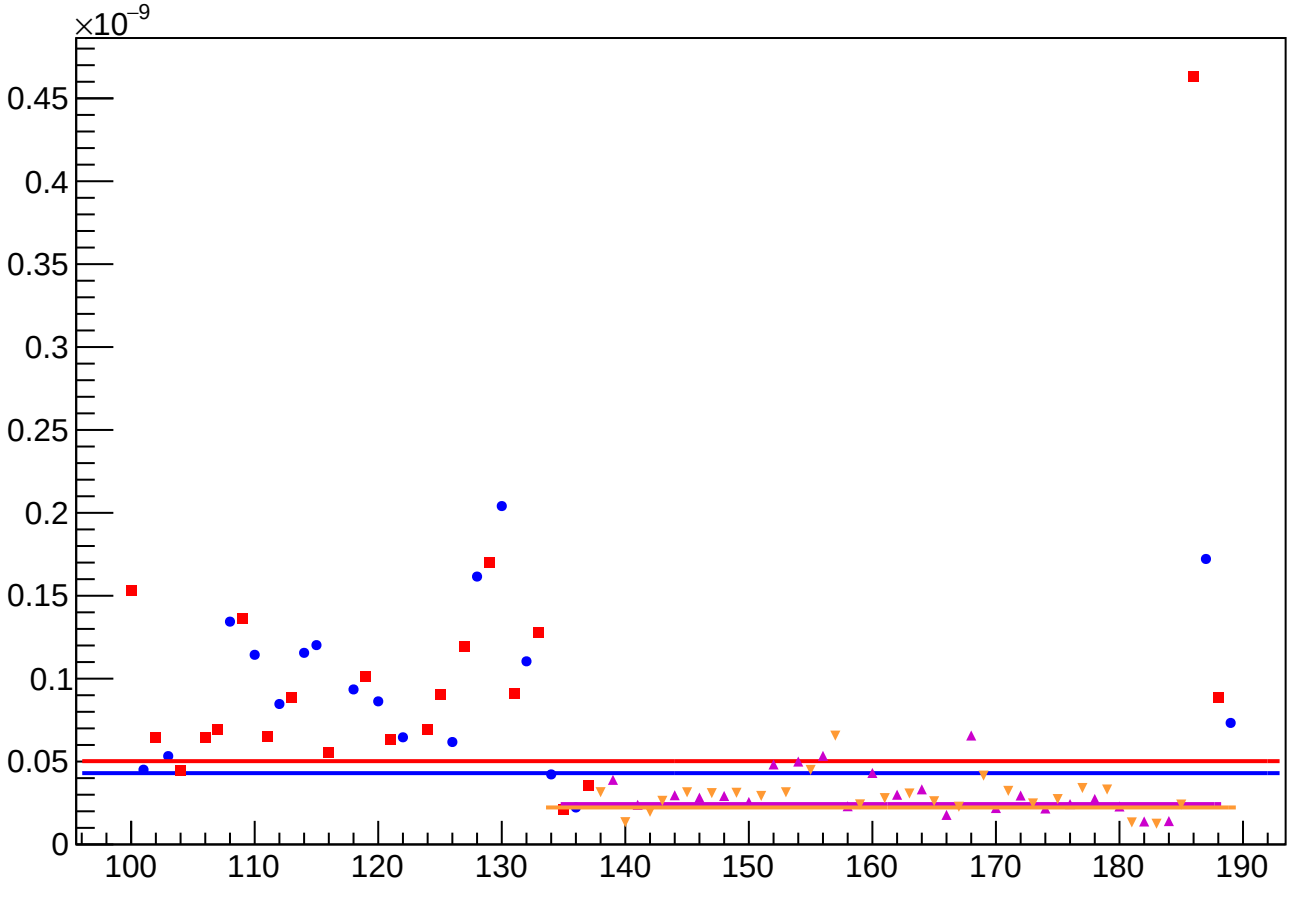
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 49.8/38

In: -0.000+/-0.000 χ^2/NDF:39.2/40

Out: 0.000+/-0.000 χ^2/NDF:63.4/45

All: -0.000+/-0.000 χ^2/NDF: 104.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 3126695.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3234711.5/20

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

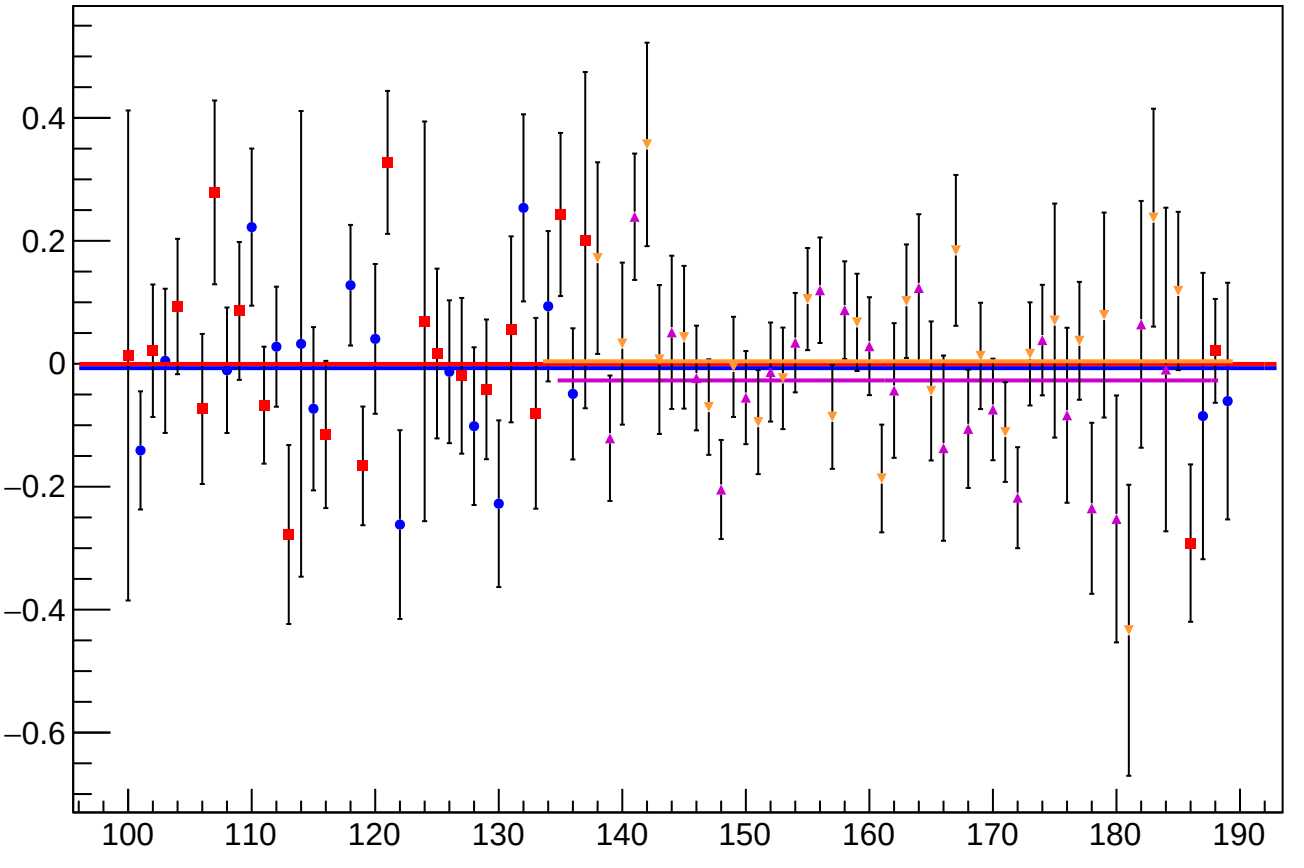
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6443008.3/38

In: 0.000+/-0.000 χ^2/NDF:7348343.3/40

Out: 0.000+/-0.000 χ^2/NDF:8941921.4/45

All: 0.000+/-0.000 χ^2/NDF: 16368224.5/86



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

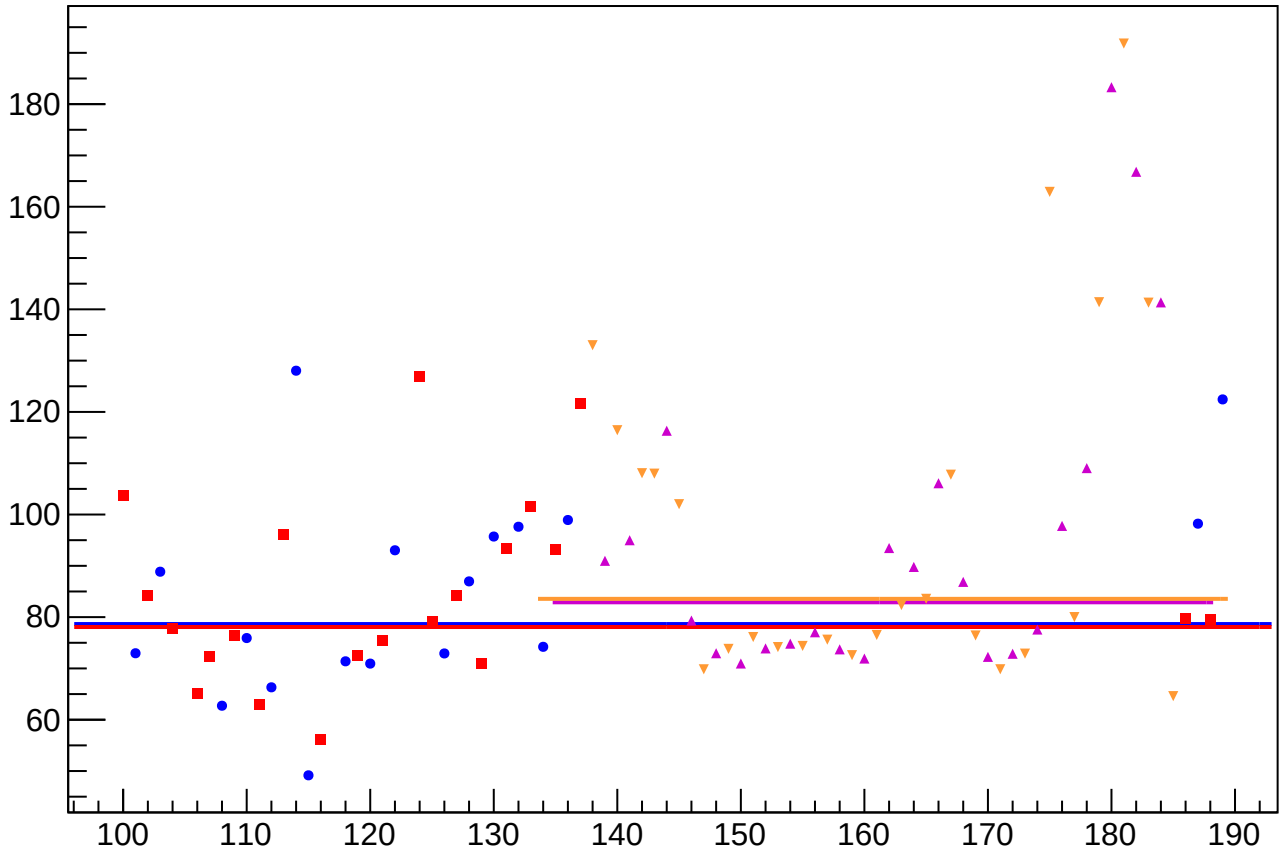
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.003+/-0.020 χ^2/NDF: 48.4/38

In: -0.021+/-0.017 χ^2/NDF:49.8/40

Out: 0.003+/-0.016 χ^2/NDF:59.1/45

All: -0.009+/-0.012 χ^2/NDF: 109.8/86



Right In: 78.651+/-0.021 χ^2/NDF: 541131.7/17

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.074+/-0.019 χ^2/NDF: 397631.6/20

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

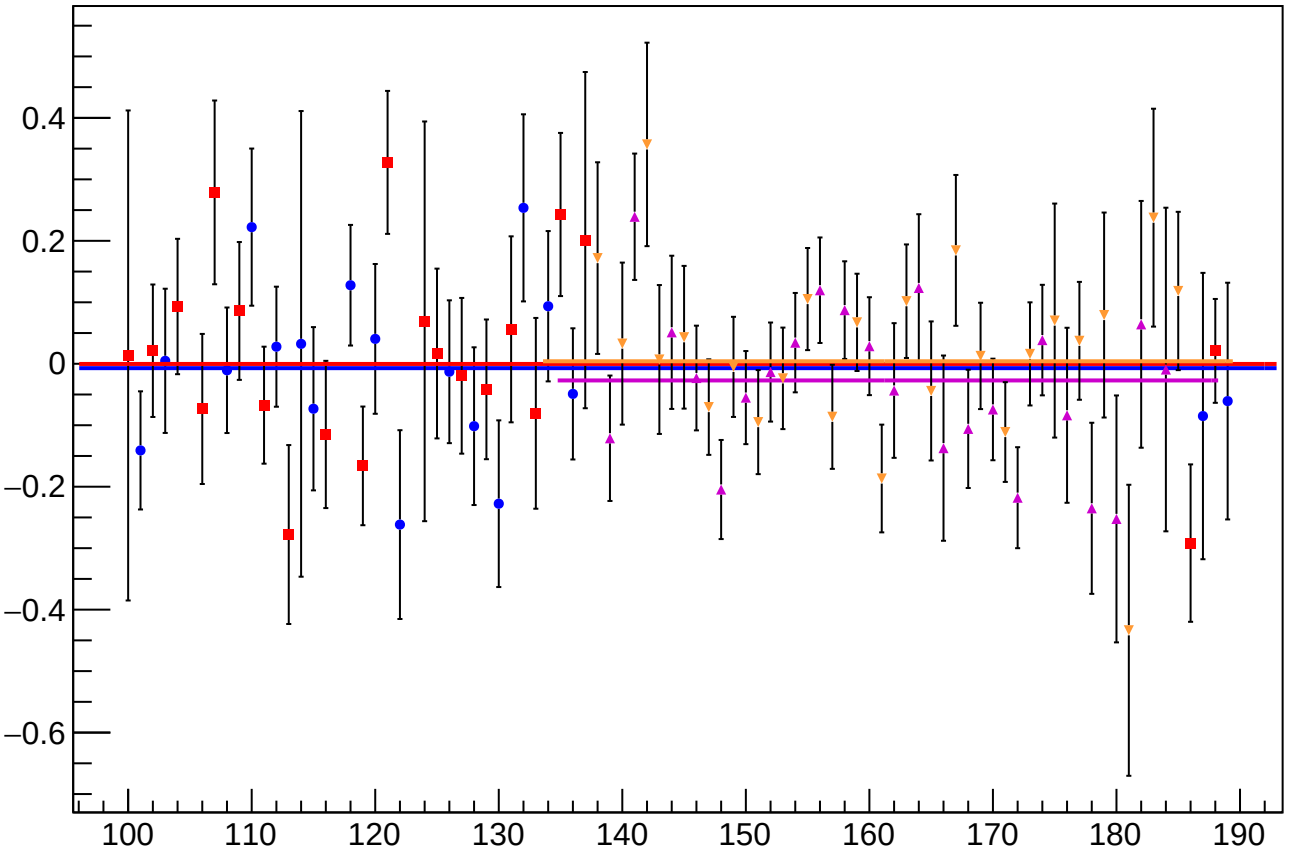
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 78.341+/-0.014 χ^2/NDF: 939175.4/38

In: 81.503+/-0.012 χ^2/NDF:2142007.9/40

Out: 81.617+/-0.012 χ^2/NDF:2622433.8/45

All: 81.562+/-0.008 χ^2/NDF: 4764489.6/86



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

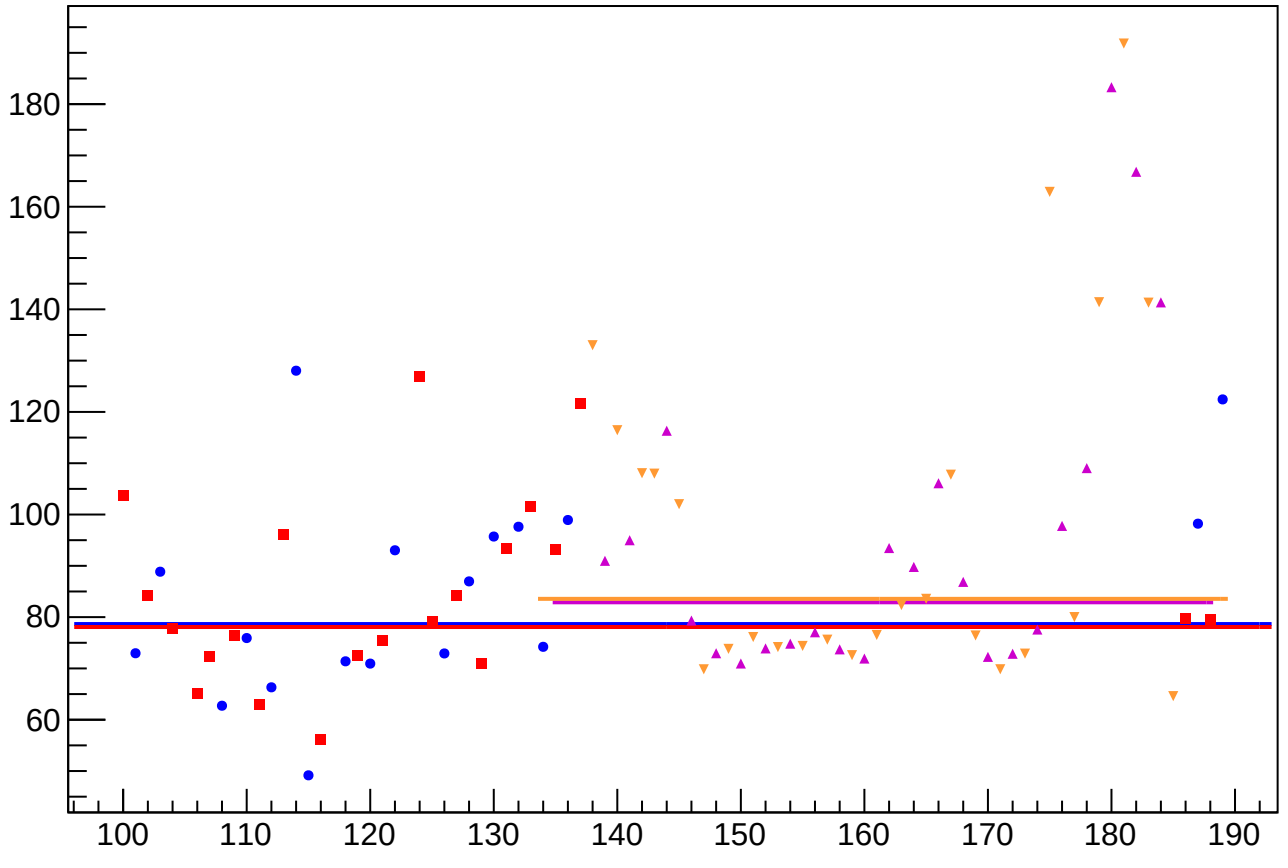
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.003+/-0.020 χ^2/NDF: 48.4/38

In: -0.021+/-0.017 χ^2/NDF:49.8/40

Out: 0.003+/-0.016 χ^2/NDF:59.1/45

All: -0.009+/-0.012 χ^2/NDF: 109.8/86



Right In: 78.651+/-0.021 χ^2/NDF: 541131.7/17

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.074+/-0.019 χ^2/NDF: 397631.6/20

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

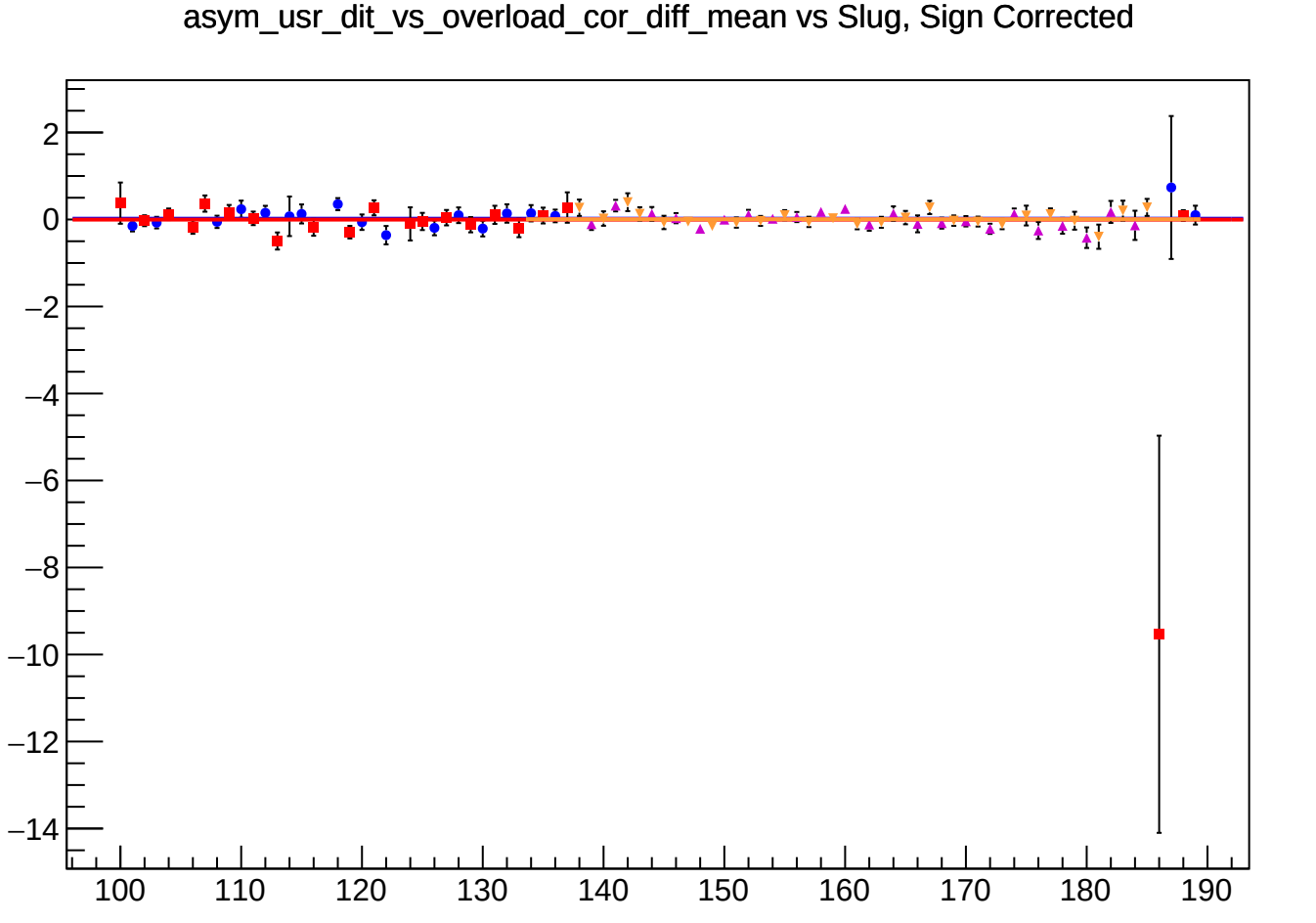
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 78.341+/-0.014 χ^2/NDF: 939175.4/38

In: 81.503+/-0.012 χ^2/NDF:2142007.9/40

Out: 81.617+/-0.012 χ^2/NDF:2622433.8/45

All: 81.562+/-0.008 χ^2/NDF: 4764489.6/86



Right In: 0.018+/-0.041 χ^2/NDF: 18.5/17

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.002+/-0.039 χ^2/NDF: 28.8/20

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

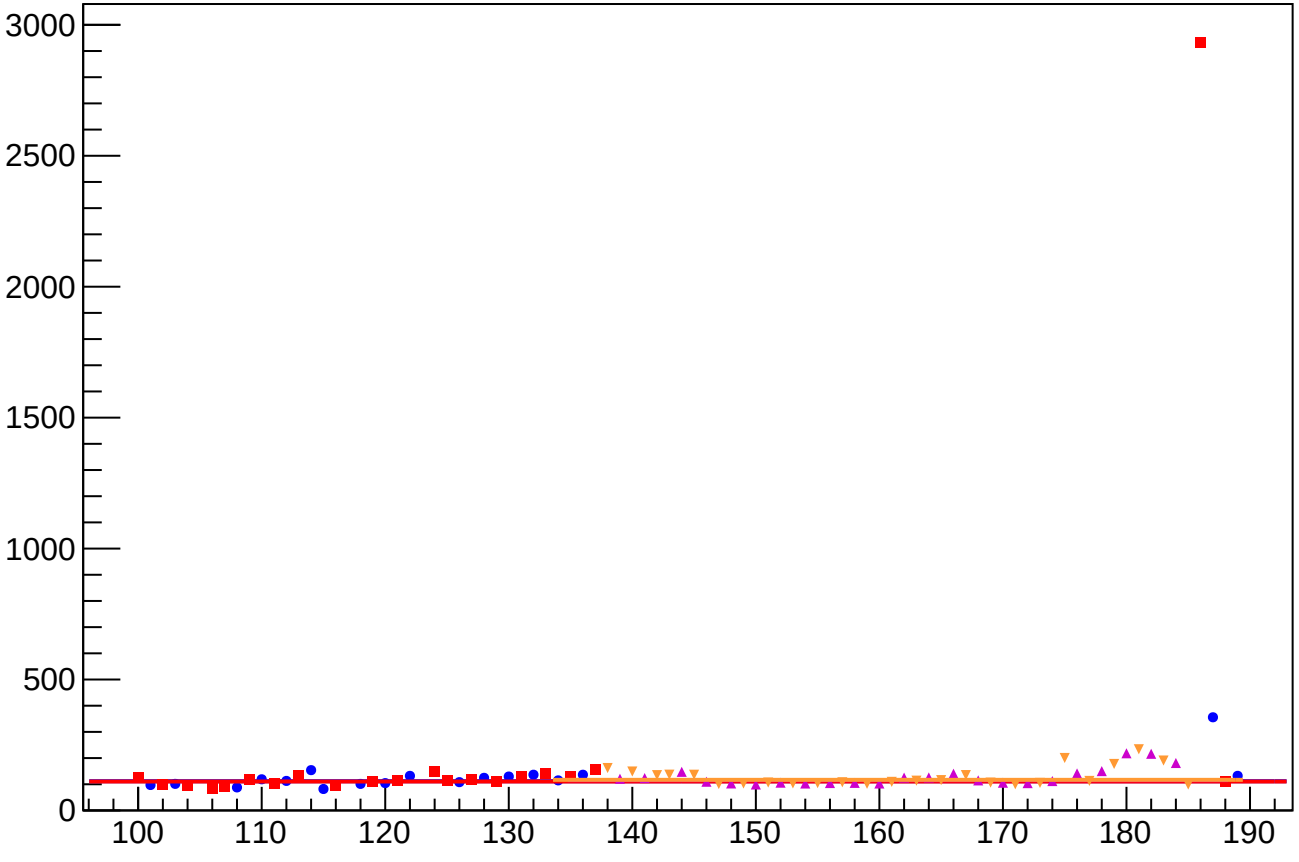
Right: 0.007+/-0.028 χ^2/NDF: 47.4/38

In: 0.012+/-0.023 χ^2/NDF:49.9/40

Out: 0.003+/-0.023 χ^2/NDF:50.1/45

All: 0.008+/-0.016 χ^2/NDF: 100.0/86

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.656+/-0.029 χ^2/NDF: 363002.7/17

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.573+/-0.028 χ^2/NDF: 1092133.3/20

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

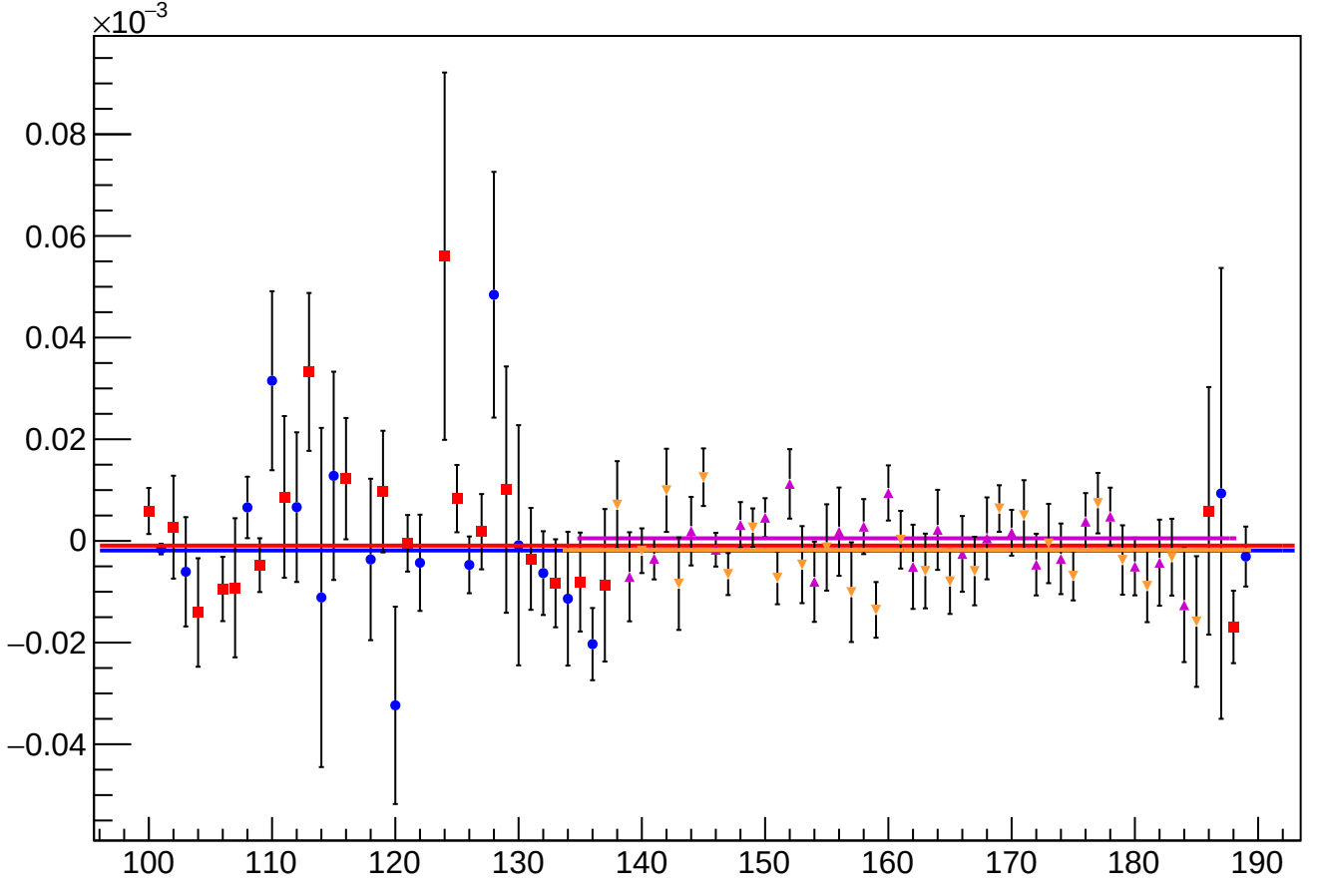
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 111.083+/-0.020 χ^2/NDF: 1455857.2/38

In: 114.532+/-0.016 χ^2/NDF:1608436.1/40

Out: 114.770+/-0.016 χ^2/NDF:2723602.8/45

All: 114.654+/-0.011 χ^2/NDF: 4332146.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/20

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

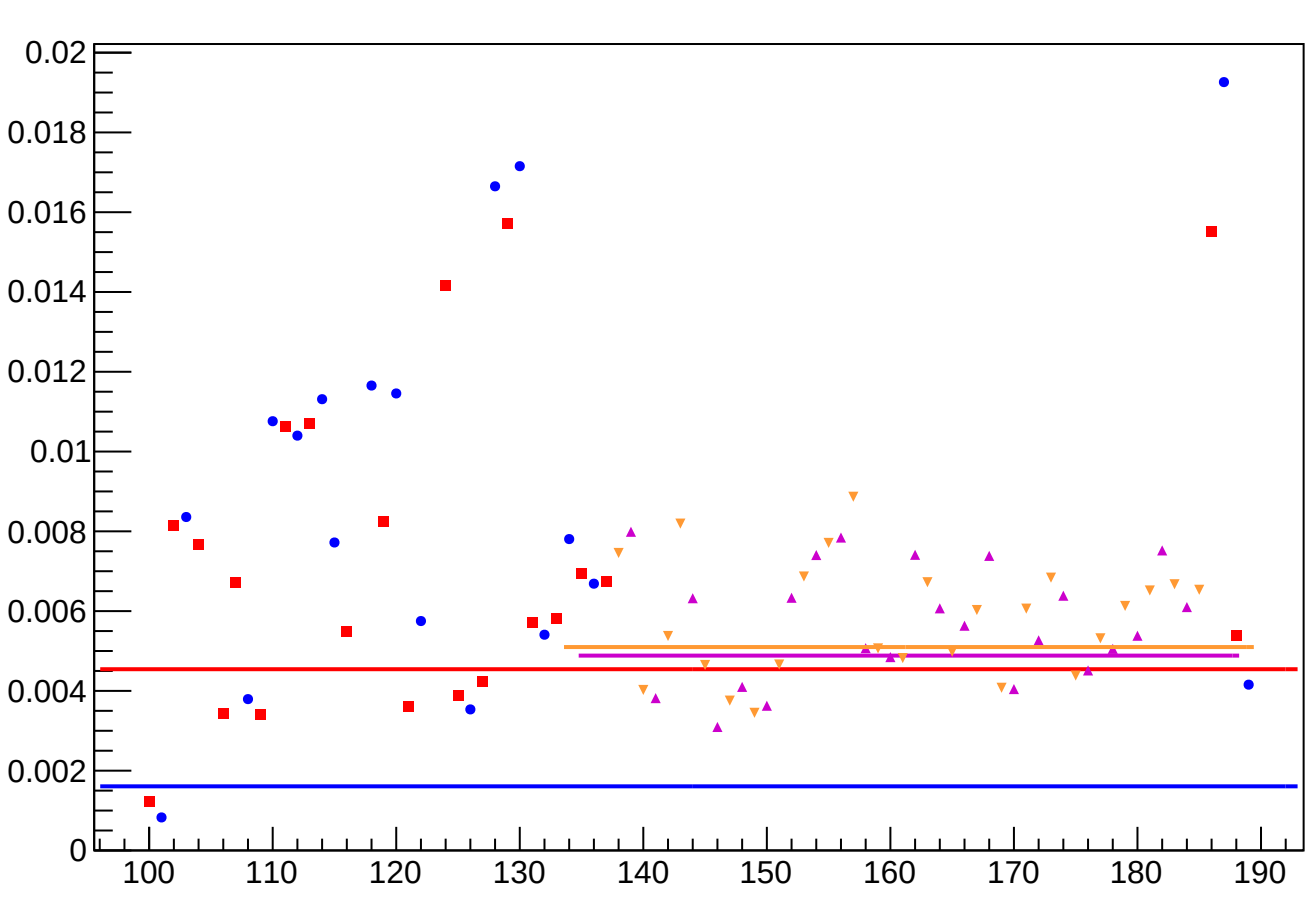
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/38

In: -0.000+/-0.000 χ^2/NDF:39.5/40

Out: -0.000+/-0.000 χ^2/NDF:56.6/45

All: -0.000+/-0.000 χ^2/NDF: 96.3/86



Right In: 0.002+/-0.000 χ^2/NDF: 9926675.3/17

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 3830522.7/20

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

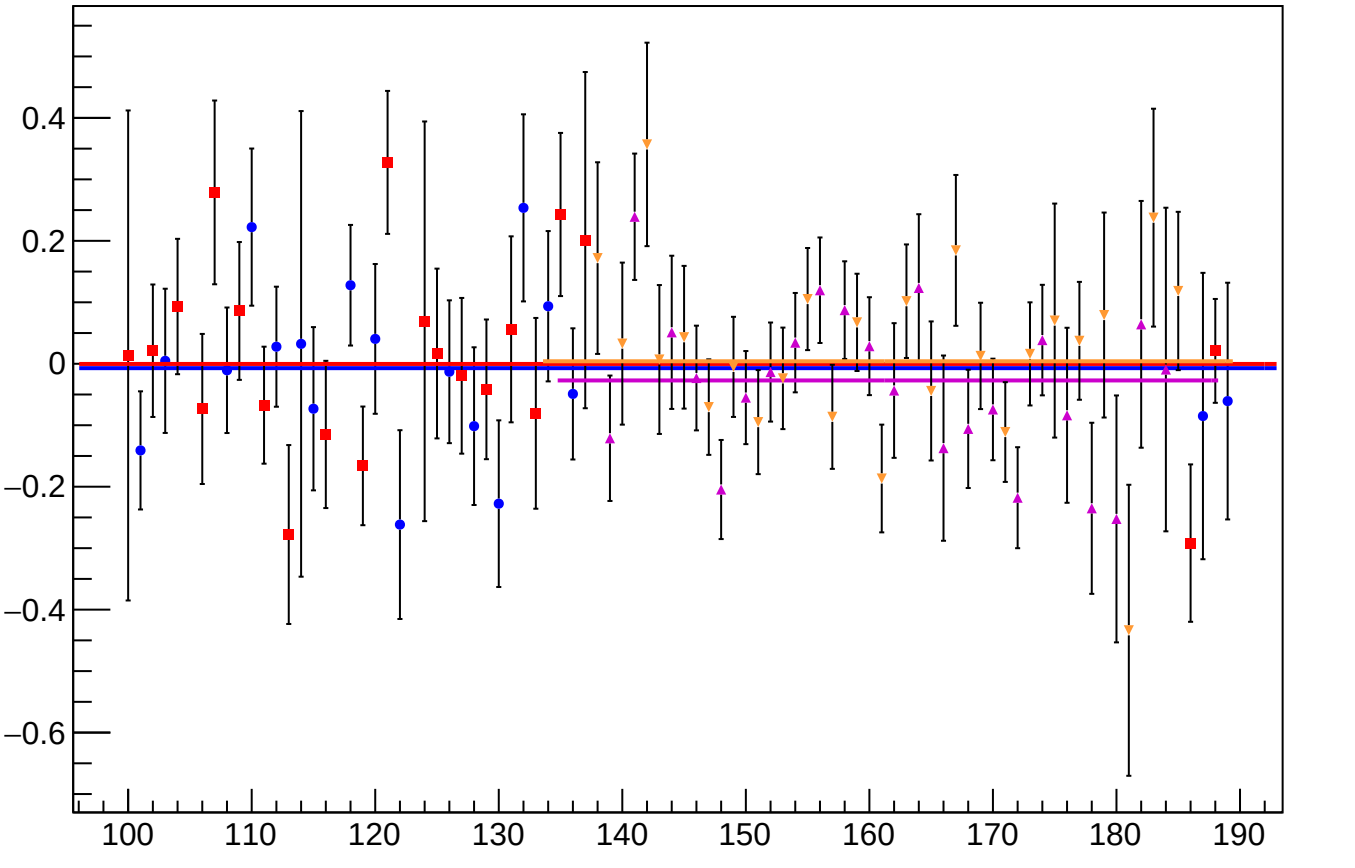
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.002+/-0.000 χ^2/NDF: 17713454.3/38

In: 0.003+/-0.000 χ^2/NDF:21794878.4/40

Out: 0.005+/-0.000 χ^2/NDF:6334978.1/45

All: 0.004+/-0.000 χ^2/NDF: 33371909.9/86



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

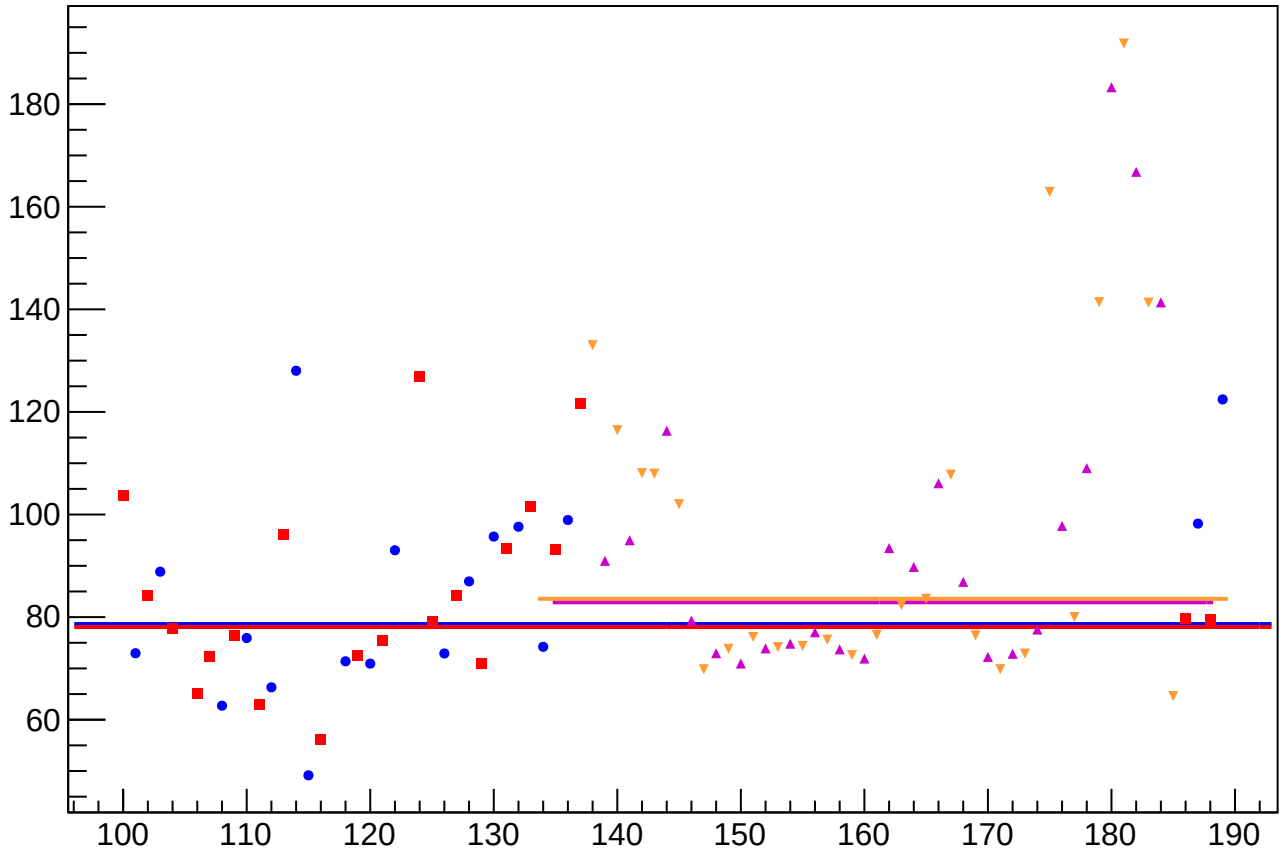
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.003+/-0.020 χ^2/NDF: 48.4/38

In: -0.021+/-0.017 χ^2/NDF:49.8/40

Out: 0.003+/-0.016 χ^2/NDF:59.1/45

All: -0.009+/-0.012 χ^2/NDF: 109.8/86



Right In: 78.649+/-0.021 χ^2/NDF: 541145.1/17

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.072+/-0.019 χ^2/NDF: 397630.2/20

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

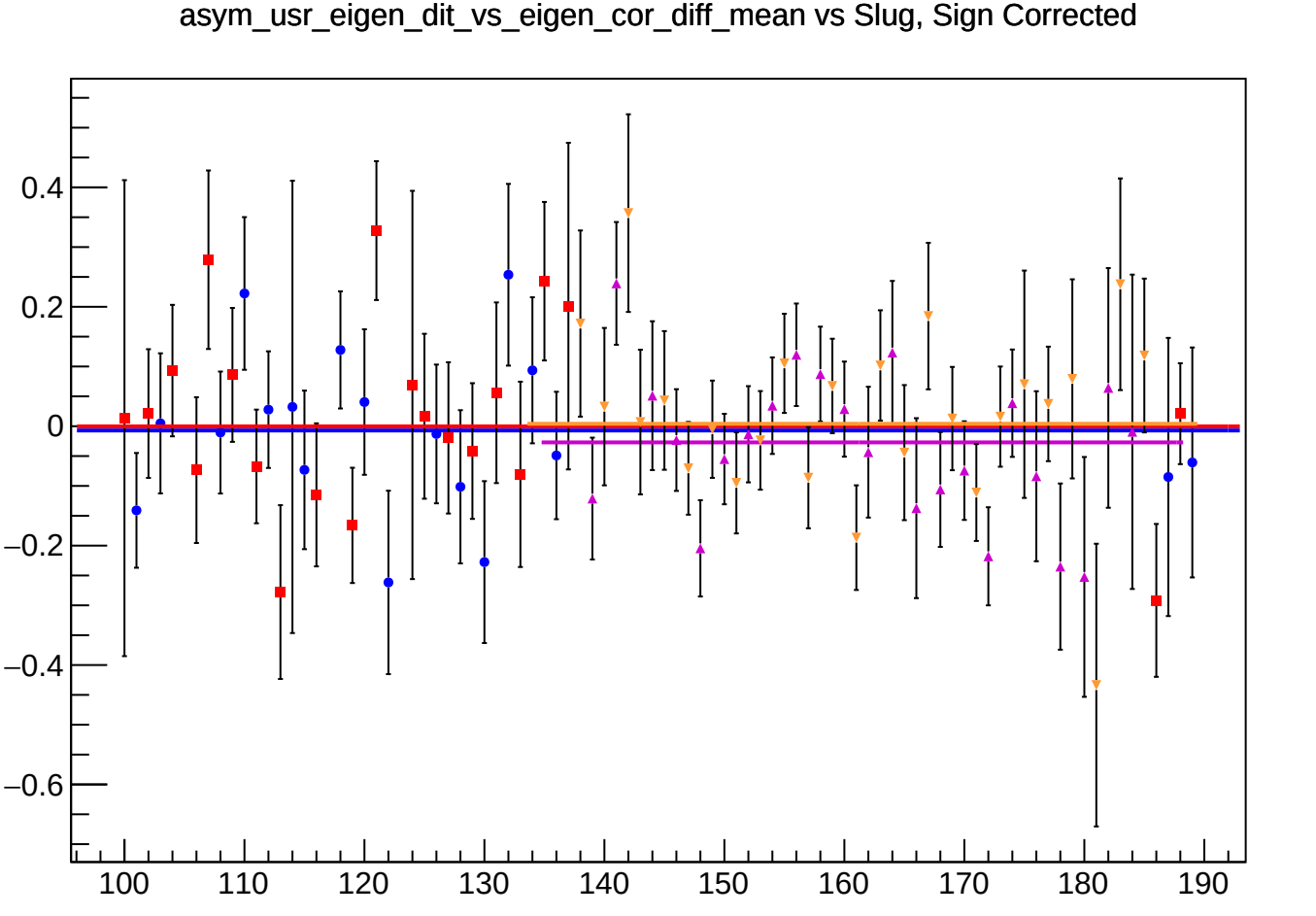
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 78.340+/-0.014 χ^2/NDF: 939187.3/38

In: 81.502+/-0.012 χ^2/NDF:2142025.1/40

Out: 81.617+/-0.012 χ^2/NDF:2622462.0/45

All: 81.562+/-0.008 χ^2/NDF: 4764535.0/86



Right In: -0.007+/-0.029 χ^2/NDF: 17.5/17

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

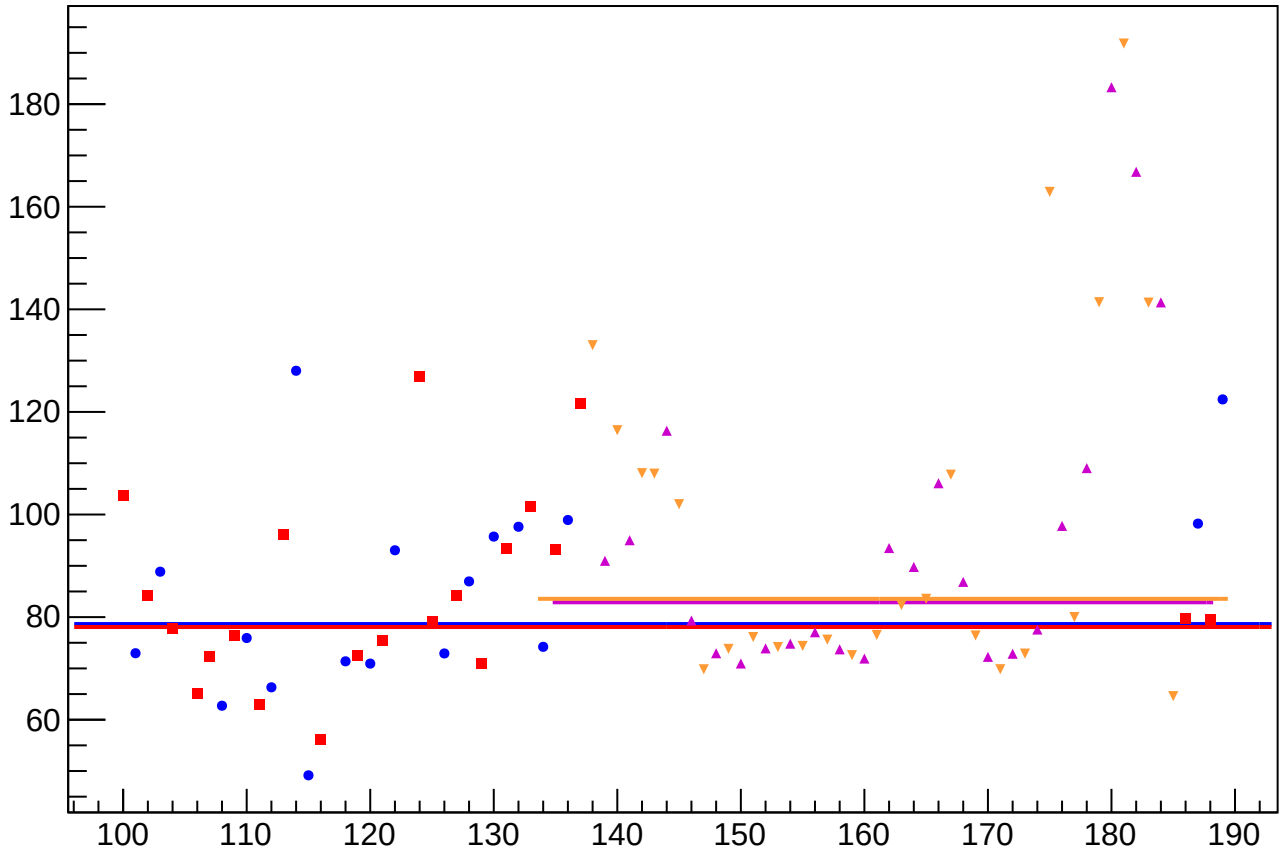
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.003+/-0.020 χ^2/NDF: 48.4/38

In: -0.021+/-0.017 χ^2/NDF:49.8/40

Out: 0.003+/-0.016 χ^2/NDF:59.1/45

All: -0.009+/-0.012 χ^2/NDF: 109.8/86



Right In: 78.649+/-0.021 χ^2/NDF: 541145.1/17

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.072+/-0.019 χ^2/NDF: 397630.2/20

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

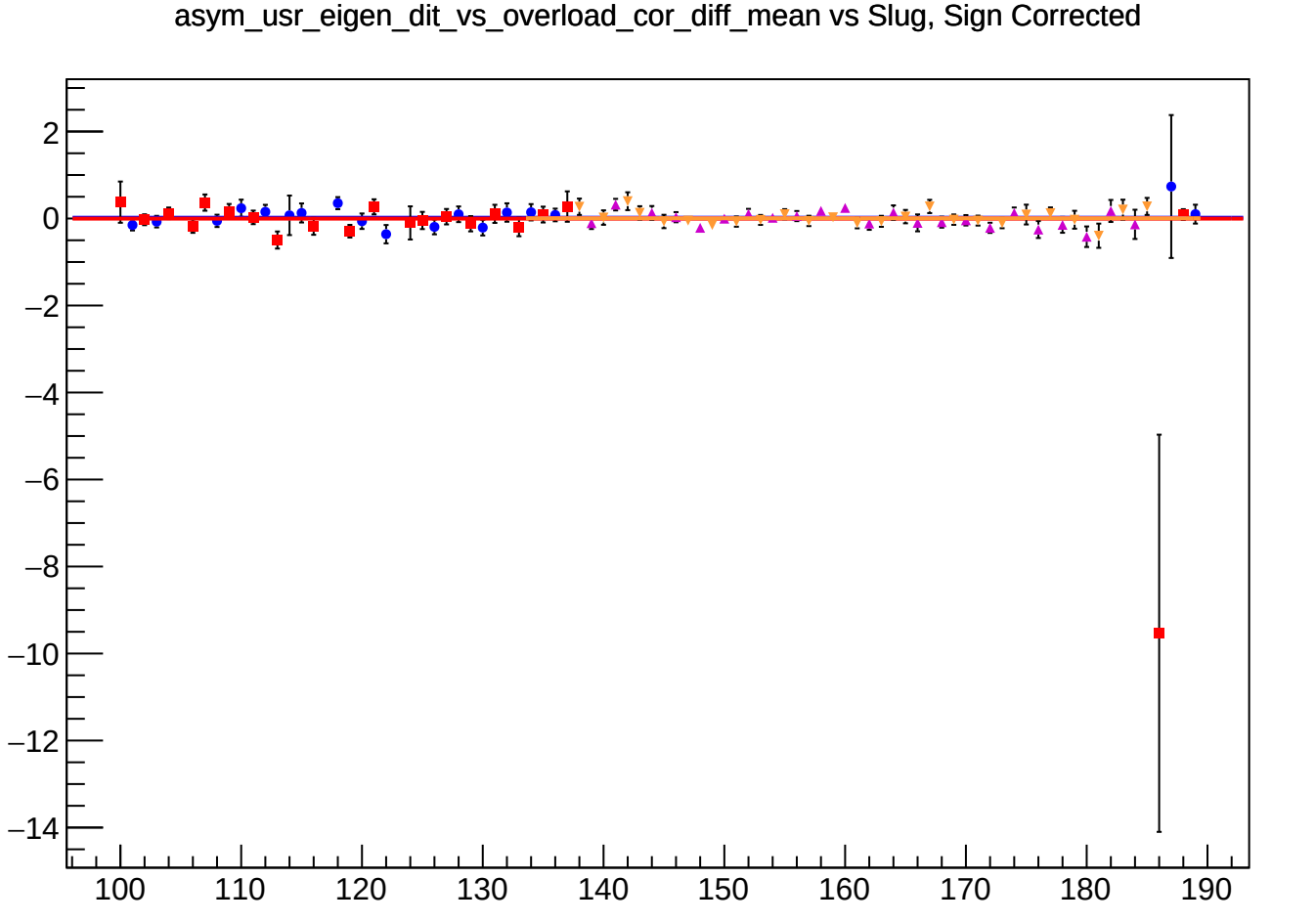
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 78.340+/-0.014 χ^2/NDF: 939187.3/38

In: 81.502+/-0.012 χ^2/NDF:2142025.1/40

Out: 81.617+/-0.012 χ^2/NDF:2622462.0/45

All: 81.562+/-0.008 χ^2/NDF: 4764535.0/86



Right In: 0.018+/-0.041 χ^2/NDF: 18.5/17

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.002+/-0.039 χ^2/NDF: 28.8/20

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

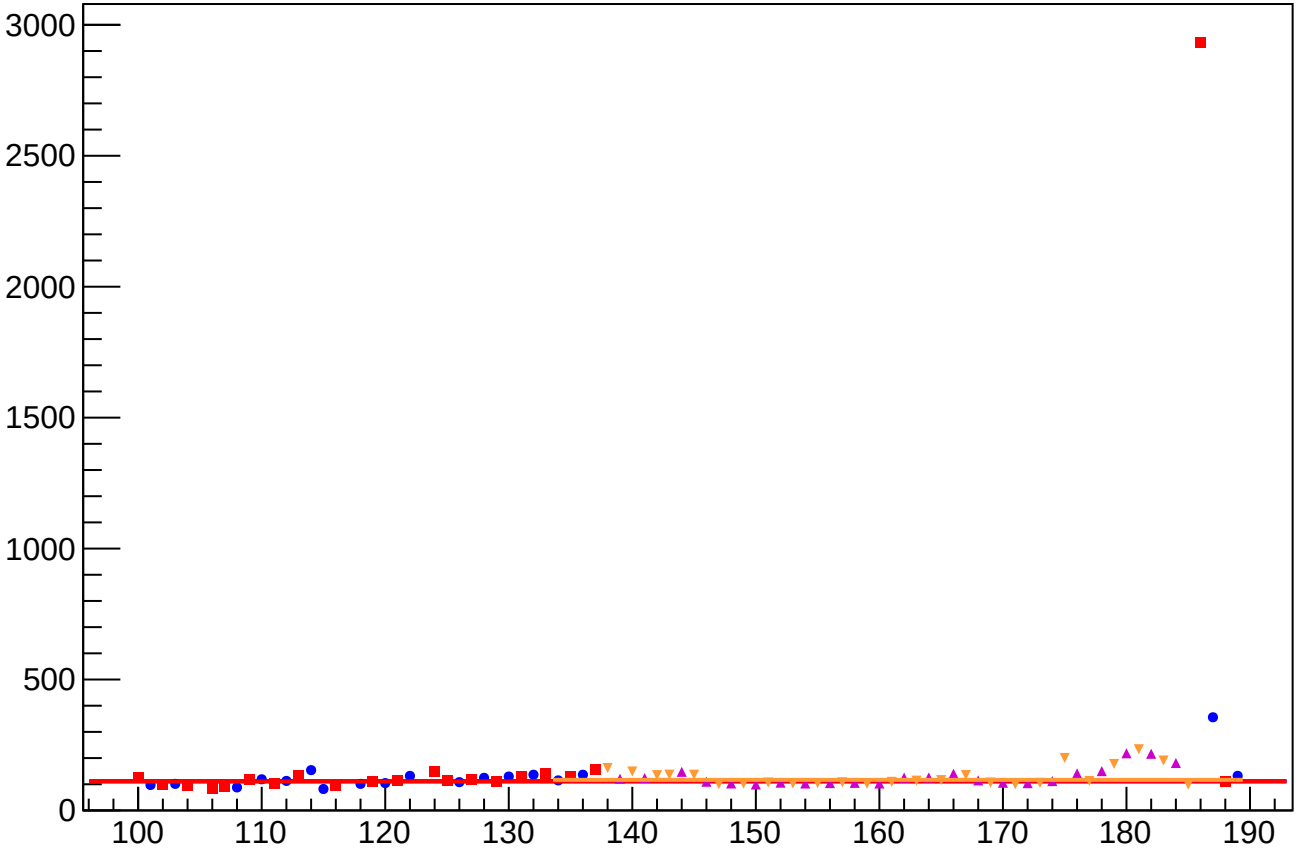
Right: 0.007+/-0.028 χ^2/NDF: 47.4/38

In: 0.012+/-0.023 χ^2/NDF:49.9/40

Out: 0.003+/-0.023 χ^2/NDF:50.1/45

All: 0.008+/-0.016 χ^2/NDF: 100.0/86

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.655+/-0.029 χ^2/NDF: 362980.8/17

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 110.572+/-0.028 χ^2/NDF: 1092104.6/20

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

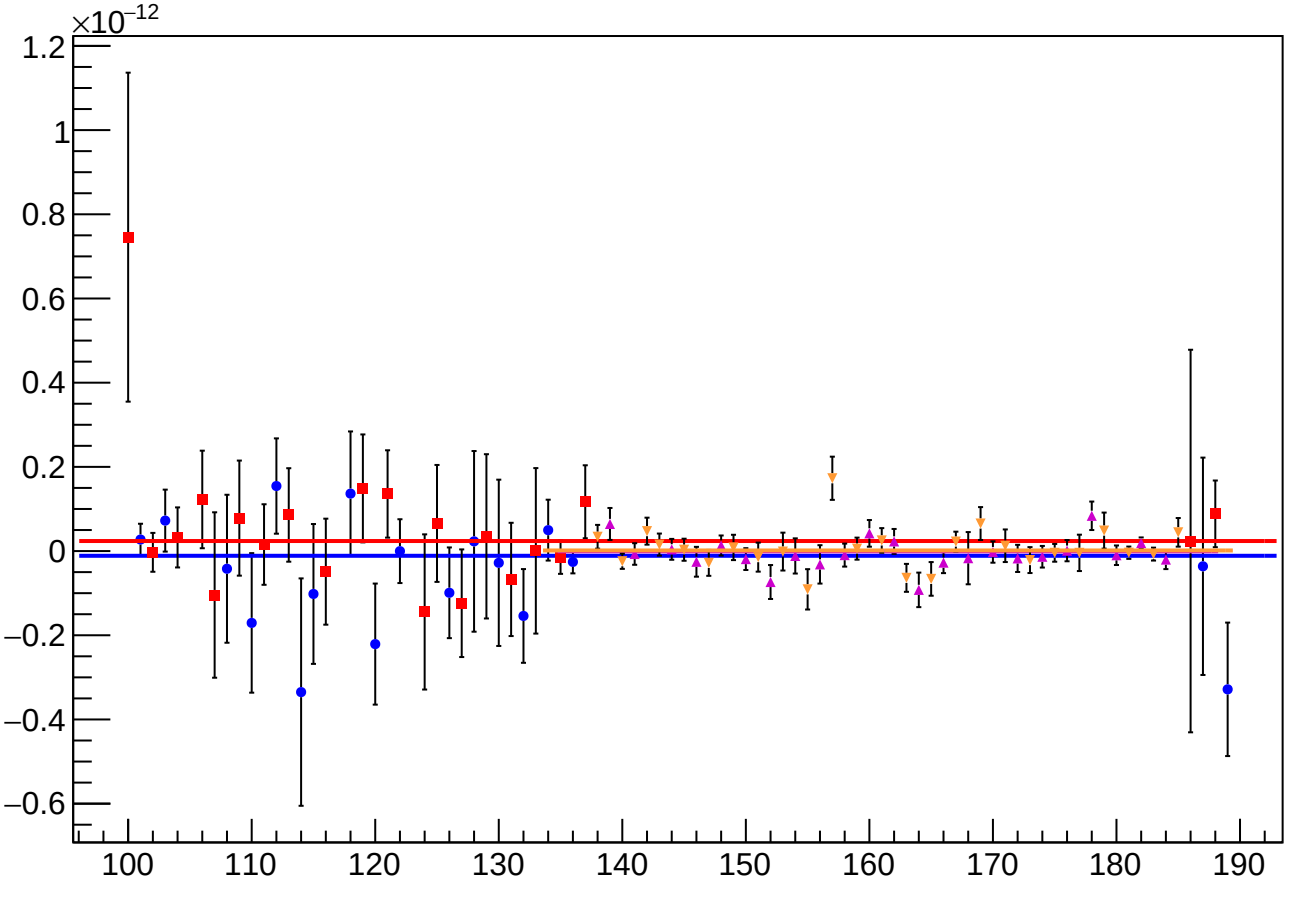
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 111.082+/-0.020 χ^2/NDF: 1455806.3/38

In: 114.531+/-0.016 χ^2/NDF:1608412.2/40

Out: 114.770+/-0.016 χ^2/NDF:2723580.2/45

All: 114.654+/-0.011 χ^2/NDF: 4332100.1/86



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

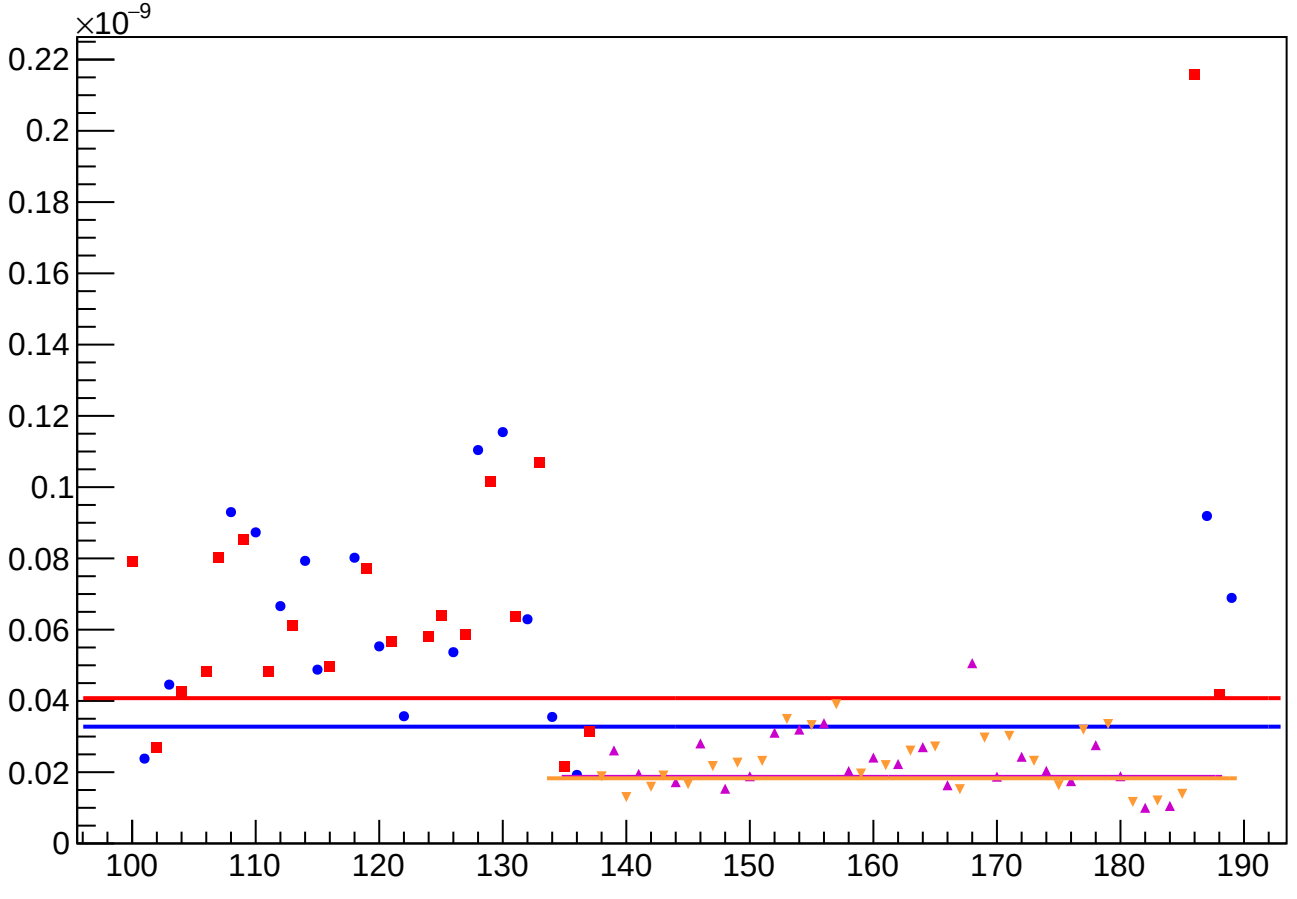
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 32.7/38

In: -0.000+/-0.000 χ^2/NDF:44.7/40

Out: 0.000+/-0.000 χ^2/NDF:51.1/45

All: 0.000+/-0.000 χ^2/NDF: 96.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 2671617.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2164061.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

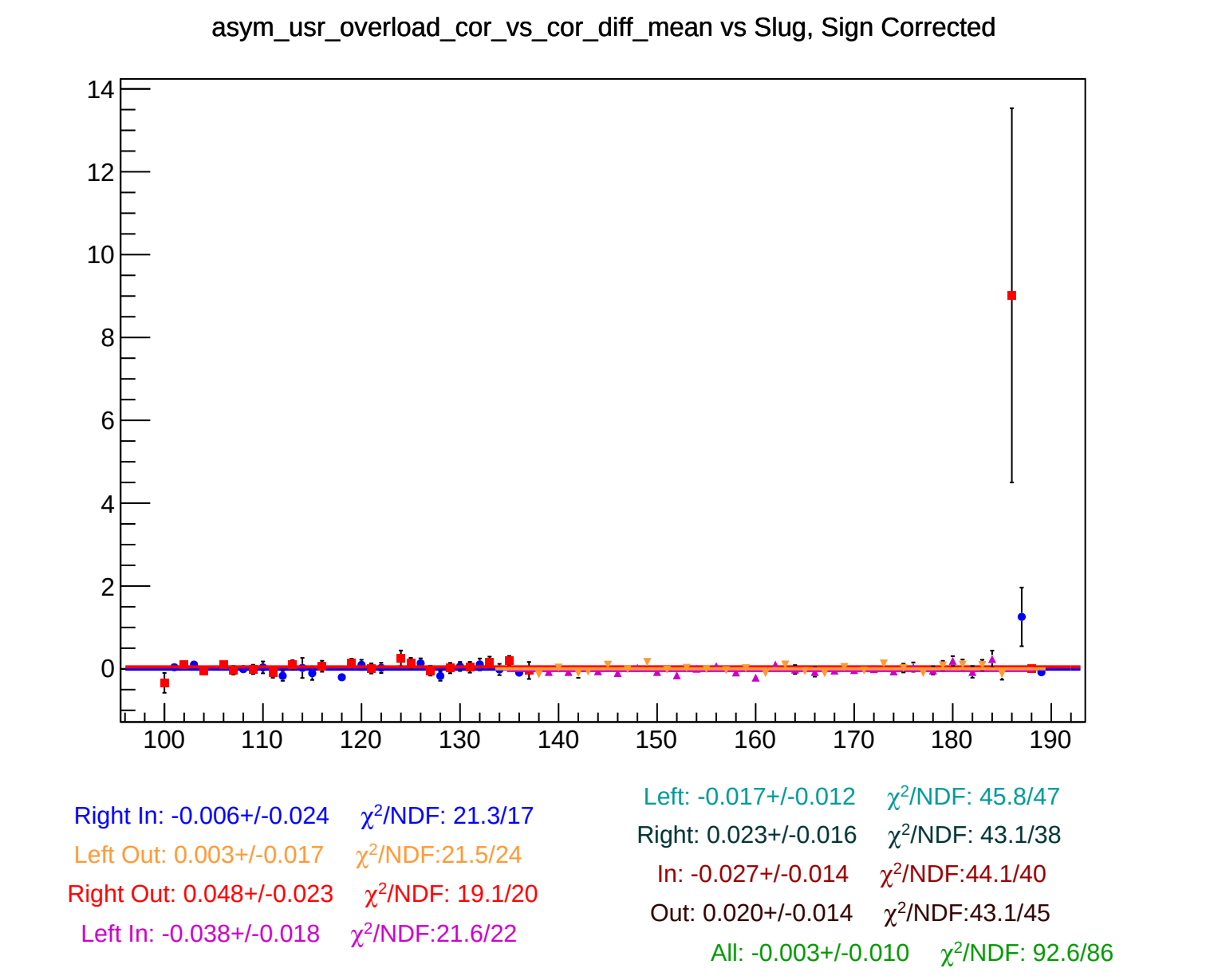
Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

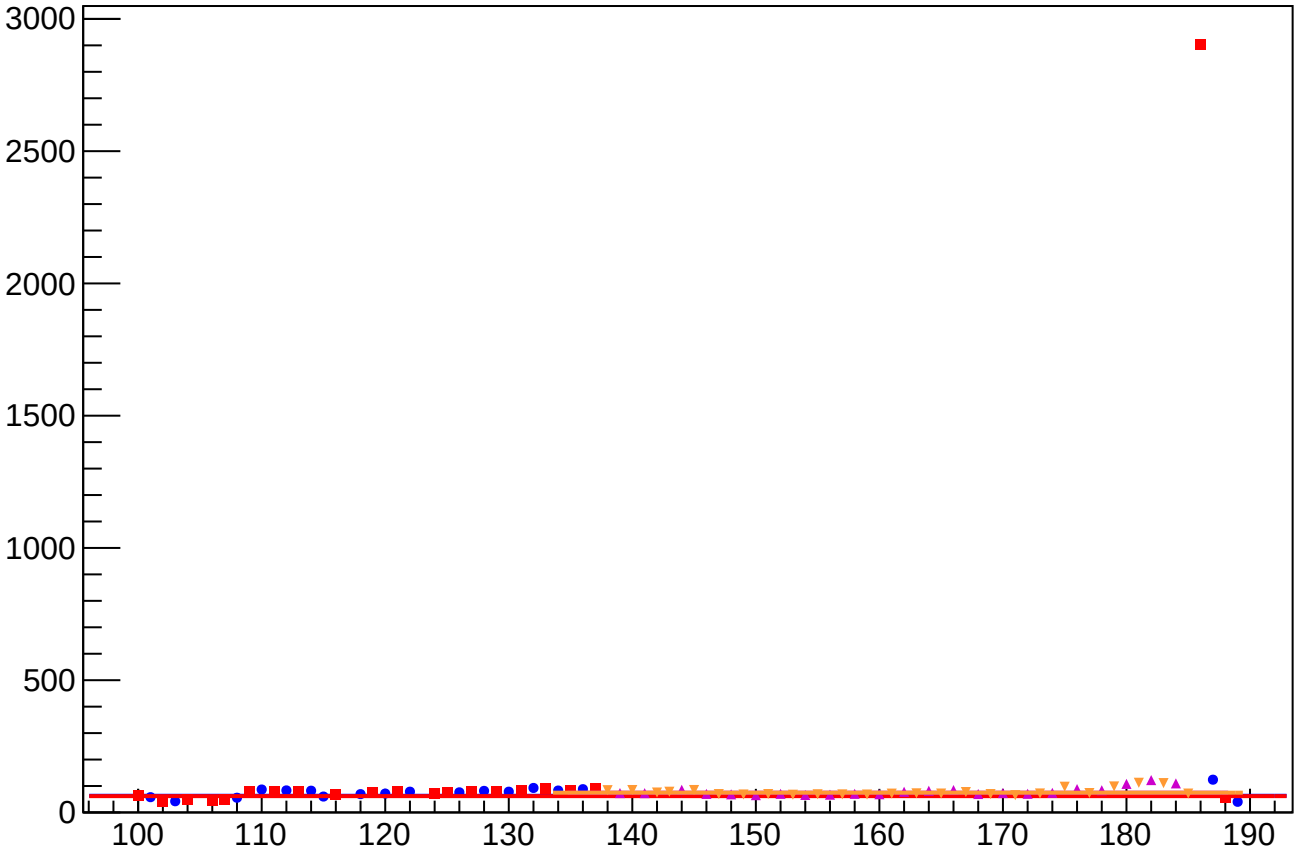
Right: 0.000+/-0.000 χ^2/NDF: 5010818.4/38

In: 0.000+/-0.000 χ^2/NDF:6723578.8/40

Out: 0.000+/-0.000 χ^2/NDF:7465980.3/45

All: 0.000+/-0.000 χ^2/NDF: 14191020.3/86


asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.006+/-0.024 χ2/NDF: 21.3/17
Left Out: 0.003+/-0.017 χ2/NDF:21.5/24
Right Out: 0.048+/-0.023 χ2/NDF: 19.1/20
Left In: -0.038+/-0.018 χ2/NDF:21.6/22
Left: -0.017+/-0.012 χ2/NDF: 45.8/47
Right: 0.023+/-0.016 χ2/NDF: 43.1/38
In: -0.027+/-0.014 χ2/NDF:44.1/40
Out: 0.020+/-0.014 χ2/NDF:43.1/45
All: -0.003+/-0.010 χ2/NDF: 92.6/86



Right In: 63.080+/-0.017 χ^2/NDF: 1125622.4/17

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 61.690+/-0.016 χ^2/NDF: 1923924.8/20

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

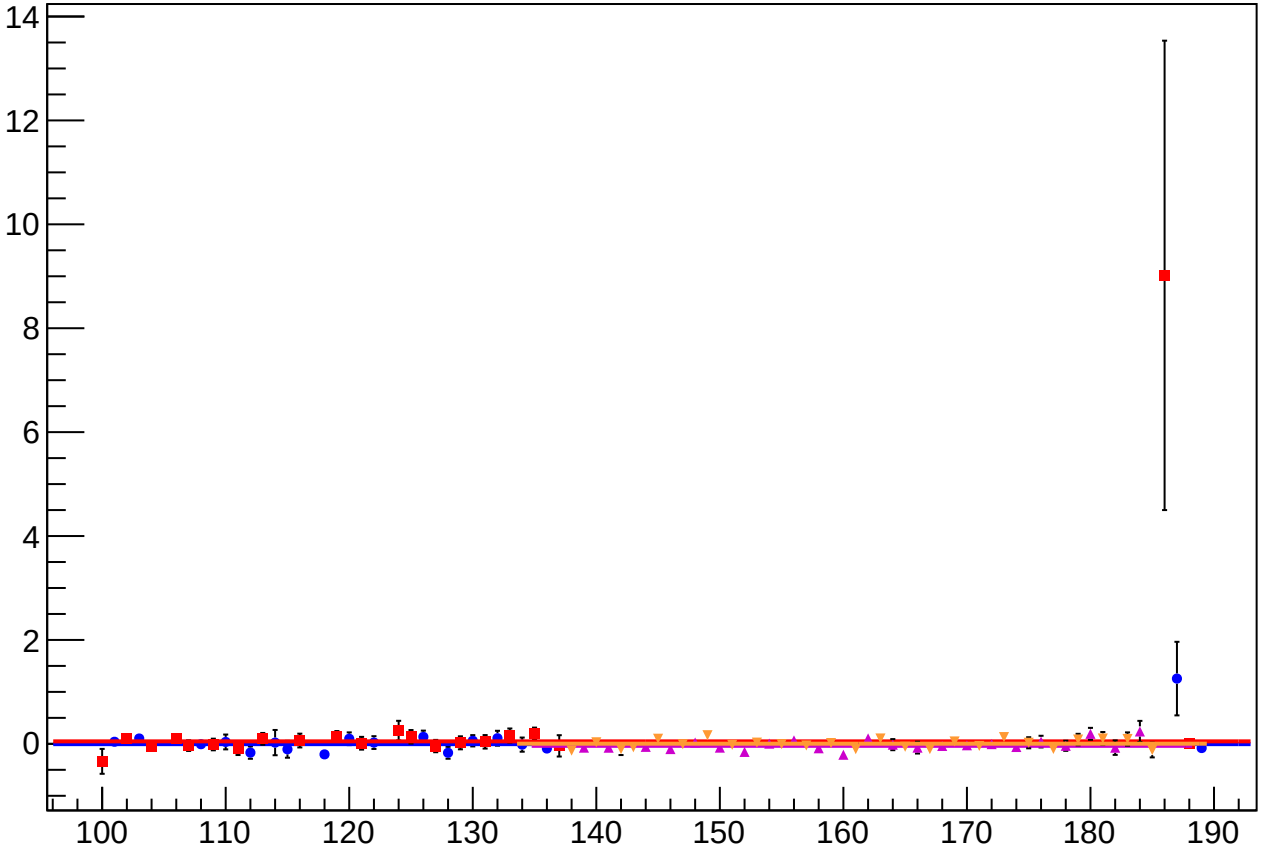
Right: 62.344+/-0.012 χ^2/NDF: 3053101.1/38

In: 70.489+/-0.010 χ^2/NDF:2135869.3/40

Out: 69.883+/-0.010 χ^2/NDF:3086775.6/45

All: 70.175+/-0.007 χ^2/NDF: 5224496.7/86

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.024 χ^2/NDF: 21.3/17

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.048+/-0.023 χ^2/NDF: 19.1/20

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

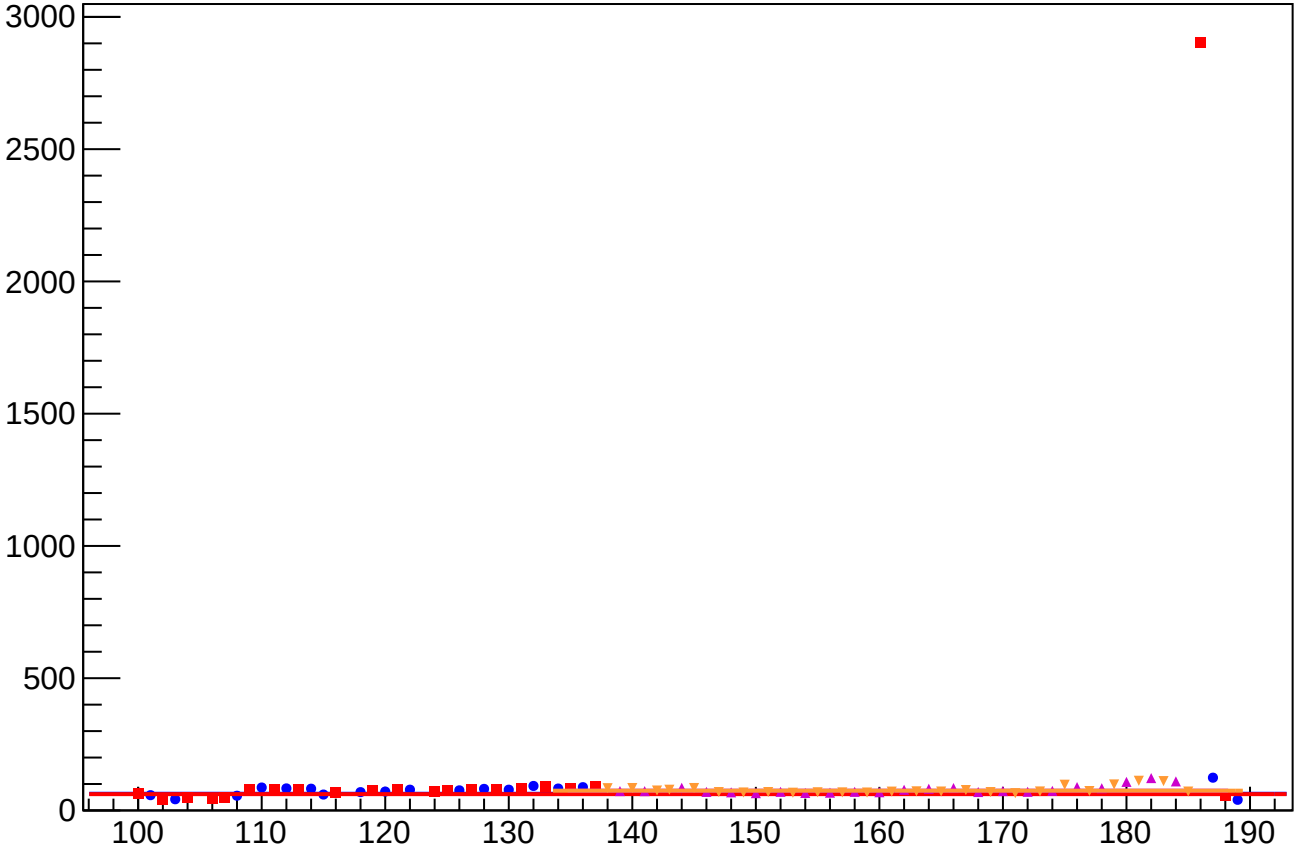
Right: 0.023+/-0.016 χ^2/NDF: 43.1/38

In: -0.027+/-0.014 χ^2/NDF:44.1/40

Out: 0.020+/-0.014 χ^2/NDF:43.1/45

All: -0.003+/-0.010 χ^2/NDF: 92.6/86

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.080+/-0.017 χ^2/NDF: 1125622.4/17

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 61.690+/-0.016 χ^2/NDF: 1923924.8/20

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

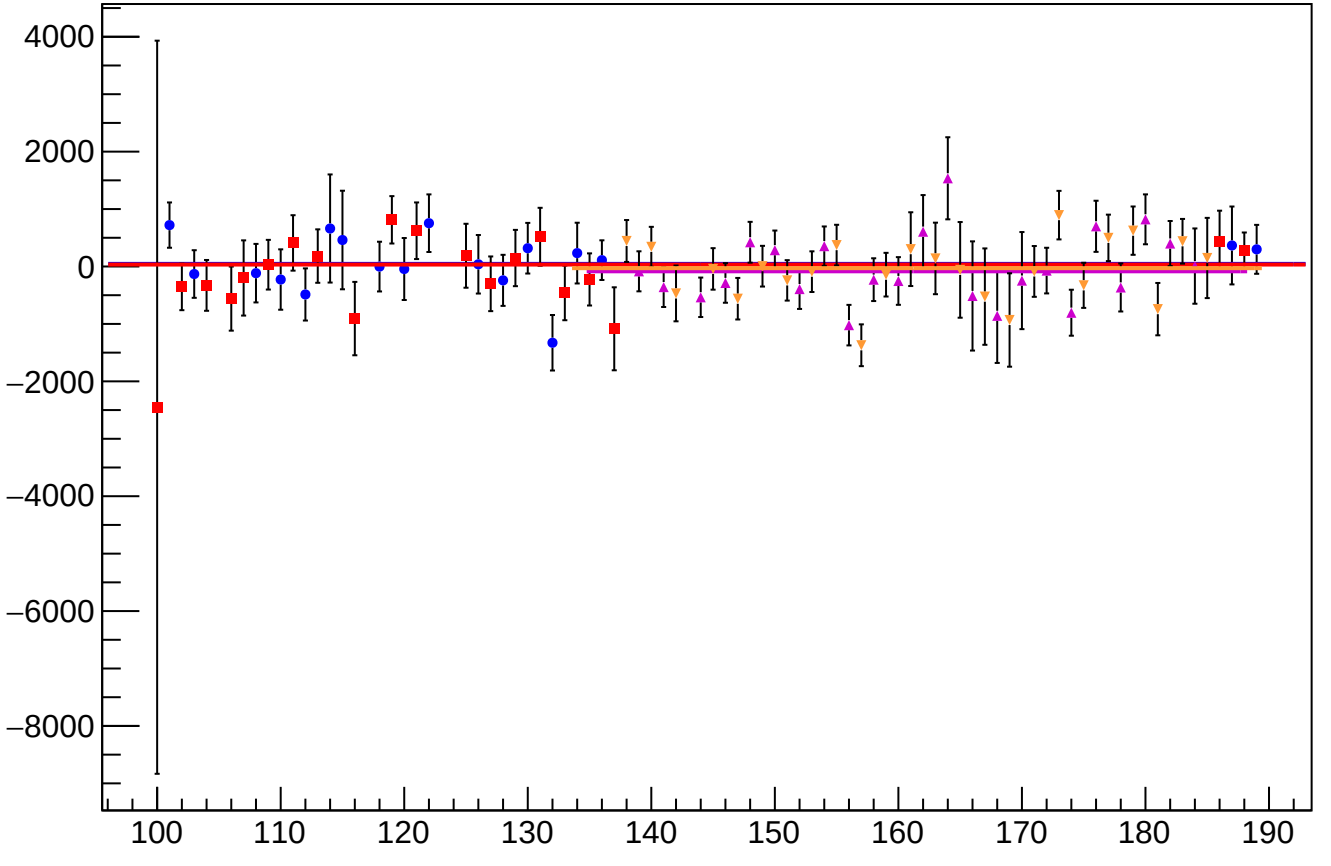
Right: 62.344+/-0.012 χ^2/NDF: 3053101.1/38

In: 70.489+/-0.010 χ^2/NDF:2135869.3/40

Out: 69.883+/-0.010 χ^2/NDF:3086775.6/45

All: 70.175+/-0.007 χ^2/NDF: 5224496.7/86

asym_dsl_mean vs Slug, Sign Corrected



Right In: 45.385+/-113.378 χ^2/NDF: 17.2/17

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 33.818+/-109.039 χ^2/NDF: 17.4/19

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

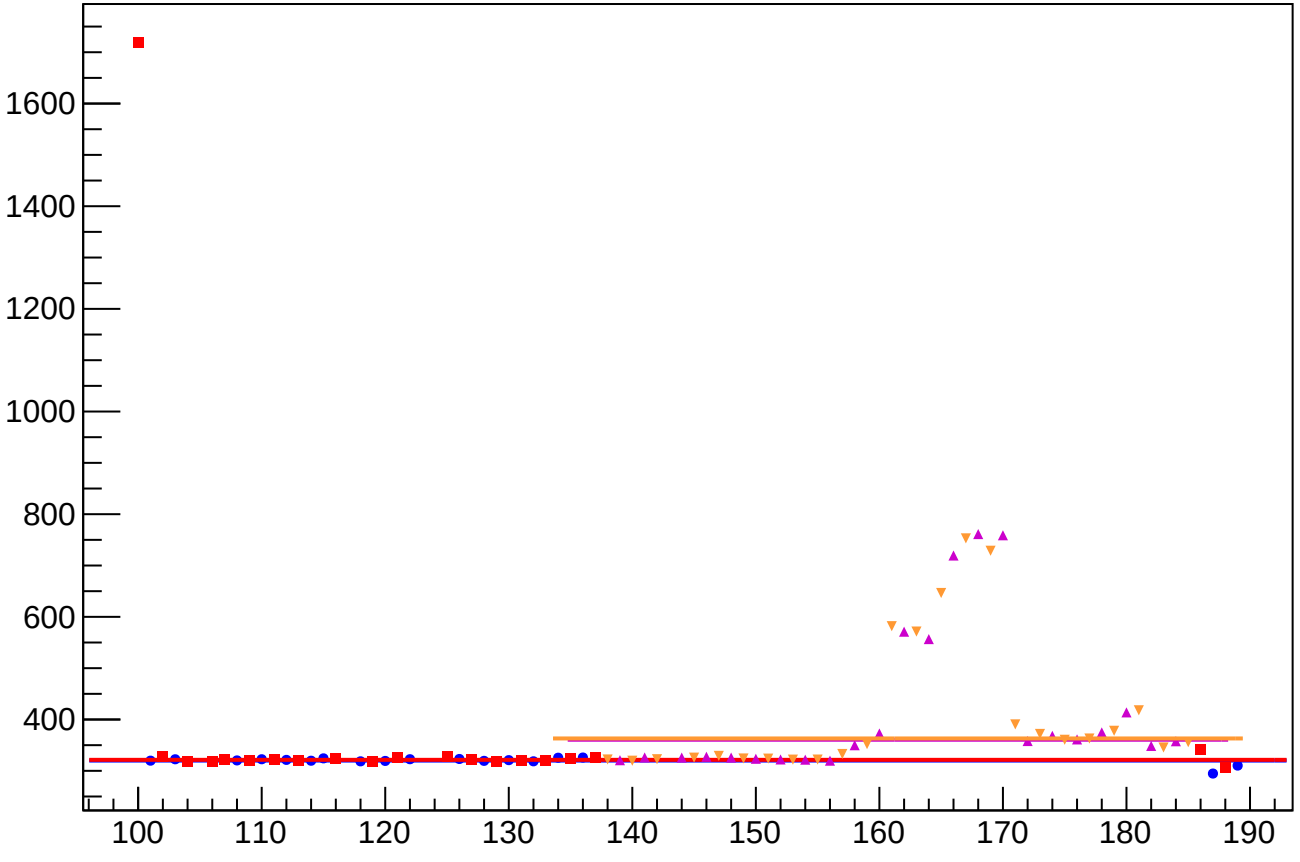
Right: 39.376+/-78.591 χ^2/NDF: 34.6/37

In: -36.237+/-68.759 χ^2/NDF:53.8/40

Out: -4.939+/-67.781 χ^2/NDF:54.2/43

All: -20.364+/-48.270 χ^2/NDF: 108.1/84

asym_dsl_rms vs Slug, Sign Corrected



Right In: 320.046+/-0.080 χ^2/NDF: 5018.7/17

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 321.414+/-0.077 χ^2/NDF: 104151.8/19

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

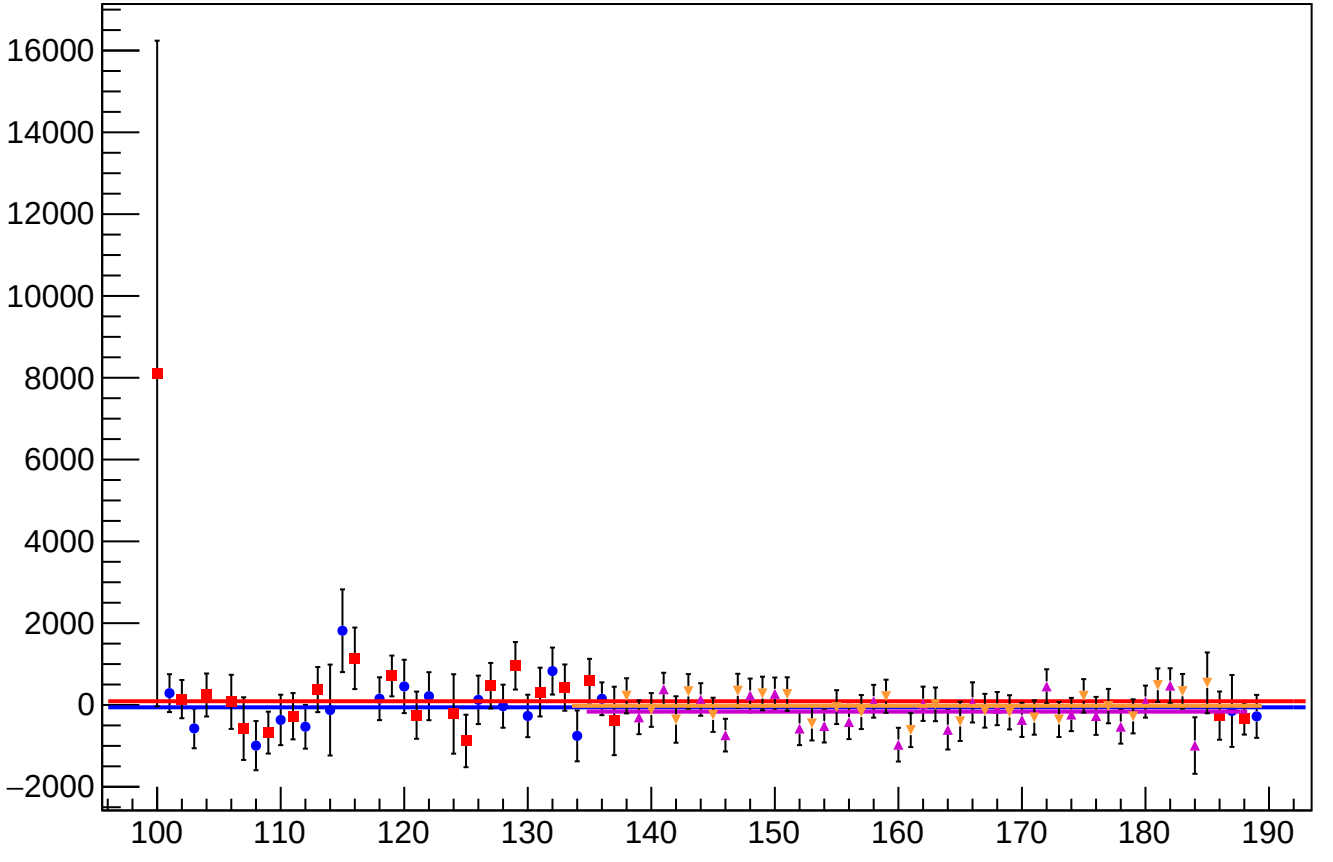
Right: 320.757+/-0.056 χ^2/NDF: 109321.7/37

In: 345.676+/-0.049 χ^2/NDF:1984364.2/40

Out: 346.979+/-0.048 χ^2/NDF:2078900.7/43

All: 346.337+/-0.034 χ^2/NDF: 4063629.6/84

asym_dsr_mean vs Slug, Sign Corrected



Right In: -57.109+/-134.327 χ^2/NDF: 13.9/17

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 91.293+/-127.801 χ^2/NDF: 16.9/20

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

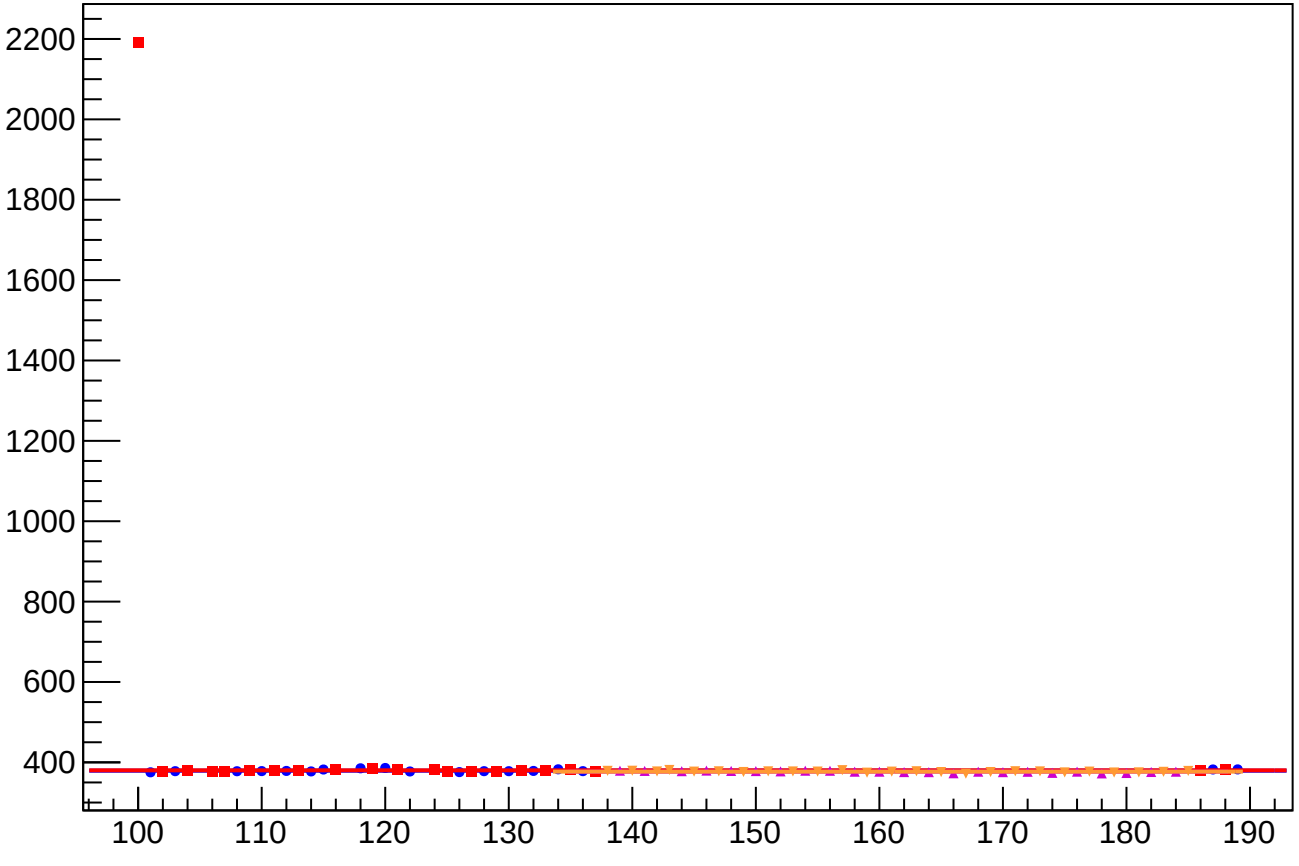
Right: 20.784+/-92.590 χ^2/NDF: 31.5/38

In: -131.200+/-73.605 χ^2/NDF:36.1/40

Out: 13.745+/-71.132 χ^2/NDF:30.1/45

All: -56.251+/-51.150 χ^2/NDF: 68.2/86

asym_dsr_rms vs Slug, Sign Corrected



Right In: 379.224+/-0.095 χ^2/NDF: 963.7/17

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 380.177+/-0.090 χ^2/NDF: 99731.9/20

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

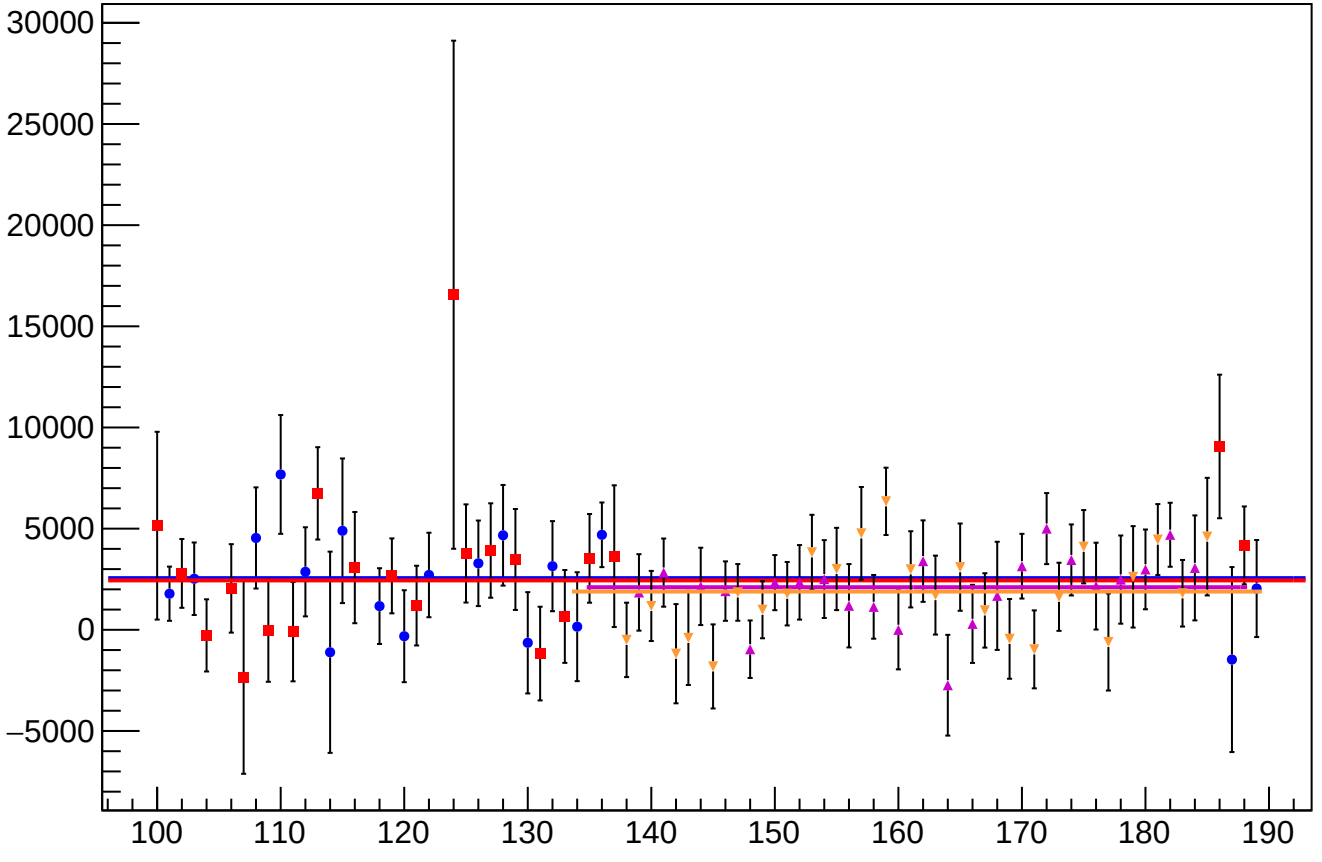
Right: 379.725+/-0.065 χ^2/NDF: 100748.5/38

In: 377.560+/-0.052 χ^2/NDF:2476.5/40

Out: 377.919+/-0.050 χ^2/NDF:101694.8/45

All: 377.746+/-0.036 χ^2/NDF: 104196.0/86

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2553.762+/-521.553 χ^2/NDF: 13.1/17

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2441.463+/-520.460 χ^2/NDF: 19.6/20

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

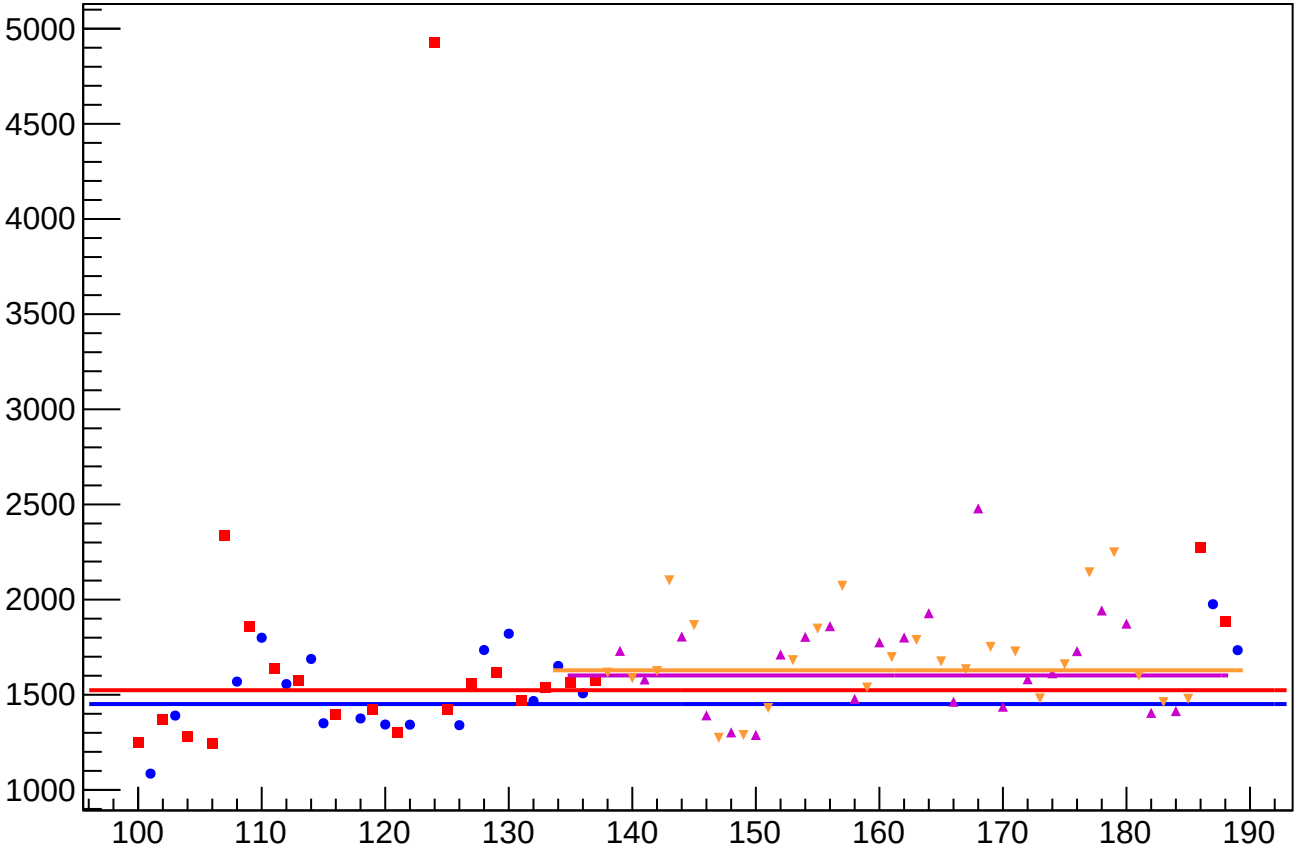
Right: 2497.495+/-368.407 χ^2/NDF: 32.8/38

In: 2260.379+/-306.625 χ^2/NDF:32.2/40

Out: 2079.436+/-304.406 χ^2/NDF:48.7/45

All: 2169.250+/-216.028 χ^2/NDF: 81.1/86

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1451.177+/-0.369 χ^2/NDF: 350817.9/17

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1523.936+/-0.368 χ^2/NDF: 543240.4/20

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

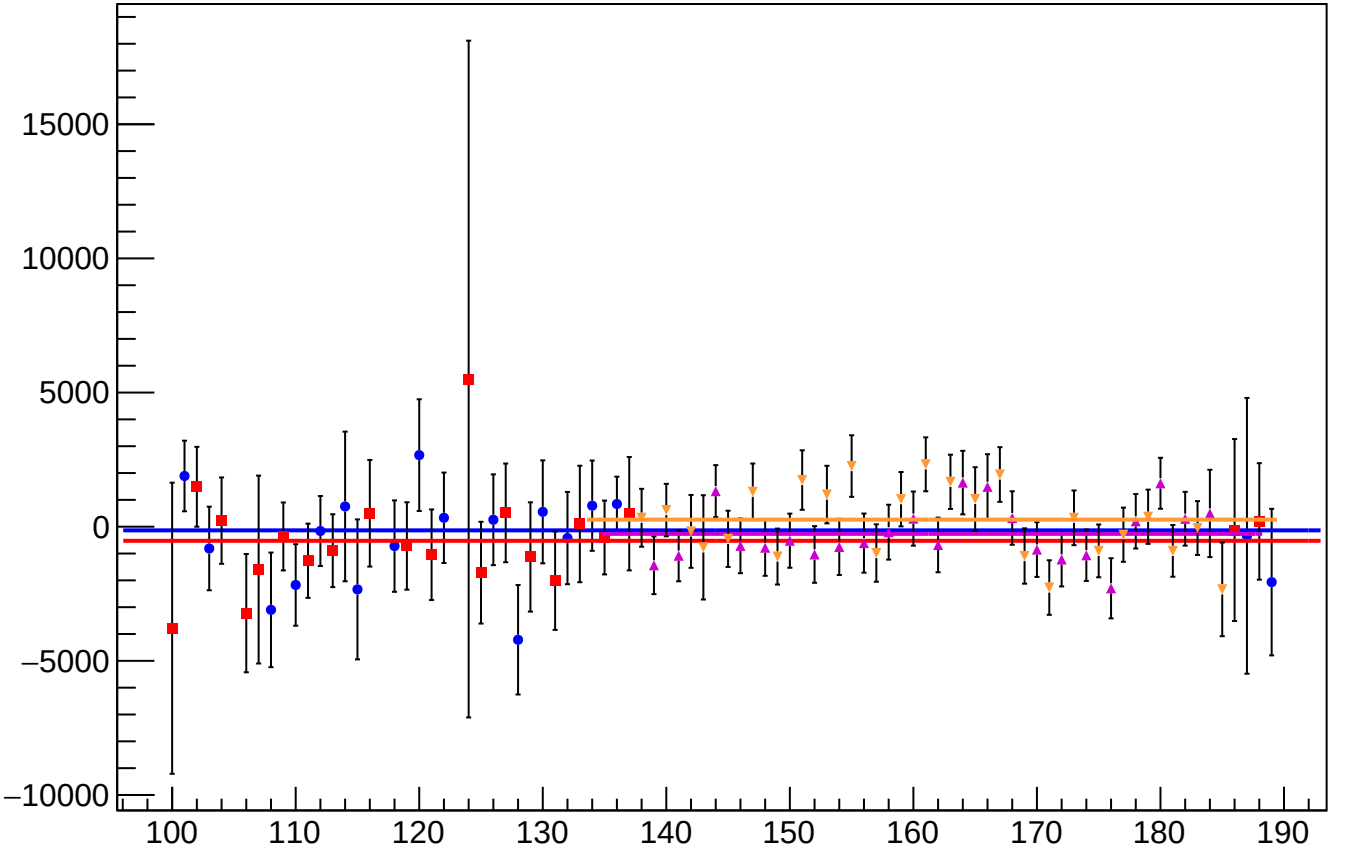
Right: 1487.633+/-0.261 χ^2/NDF: 913560.6/38

In: 1549.541+/-0.217 χ^2/NDF:1253254.1/40

Out: 1592.716+/-0.215 χ^2/NDF:1375425.5/45

All: 1571.285+/-0.153 χ^2/NDF: 2648651.0/86

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -136.096+/-404.158 χ^2/NDF: 15.0/17

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -525.052+/-401.316 χ^2/NDF: 6.9/20

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

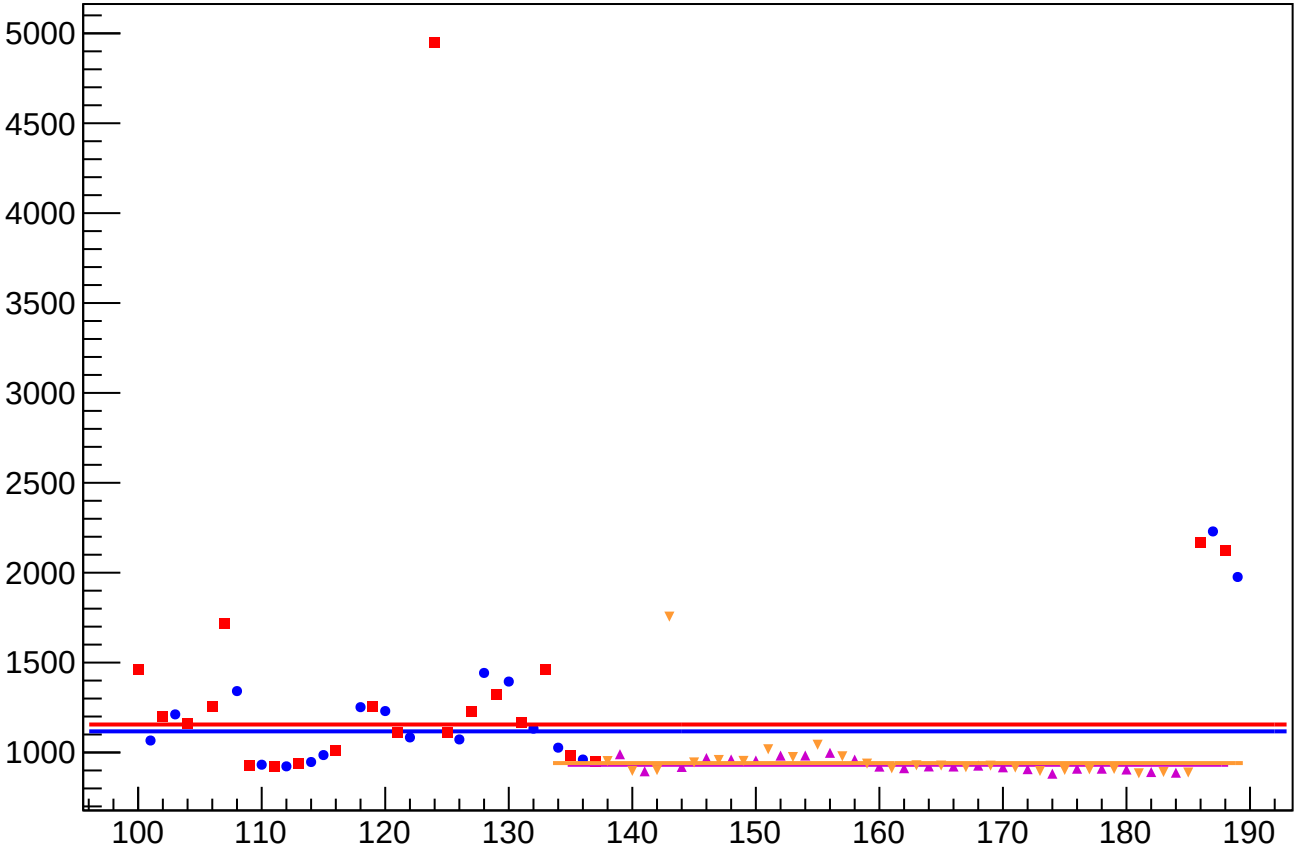
Right: -331.946+/-284.773 χ^2/NDF: 22.4/38

In: -237.610+/-191.653 χ^2/NDF:36.5/40

Out: 86.827+/-189.490 χ^2/NDF:43.8/45

All: -73.551+/-134.748 χ^2/NDF: 81.7/86

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1117.470+/-0.286 χ^2/NDF: 577014.7/17

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1155.633+/-0.284 χ^2/NDF: 1117680.0/20

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

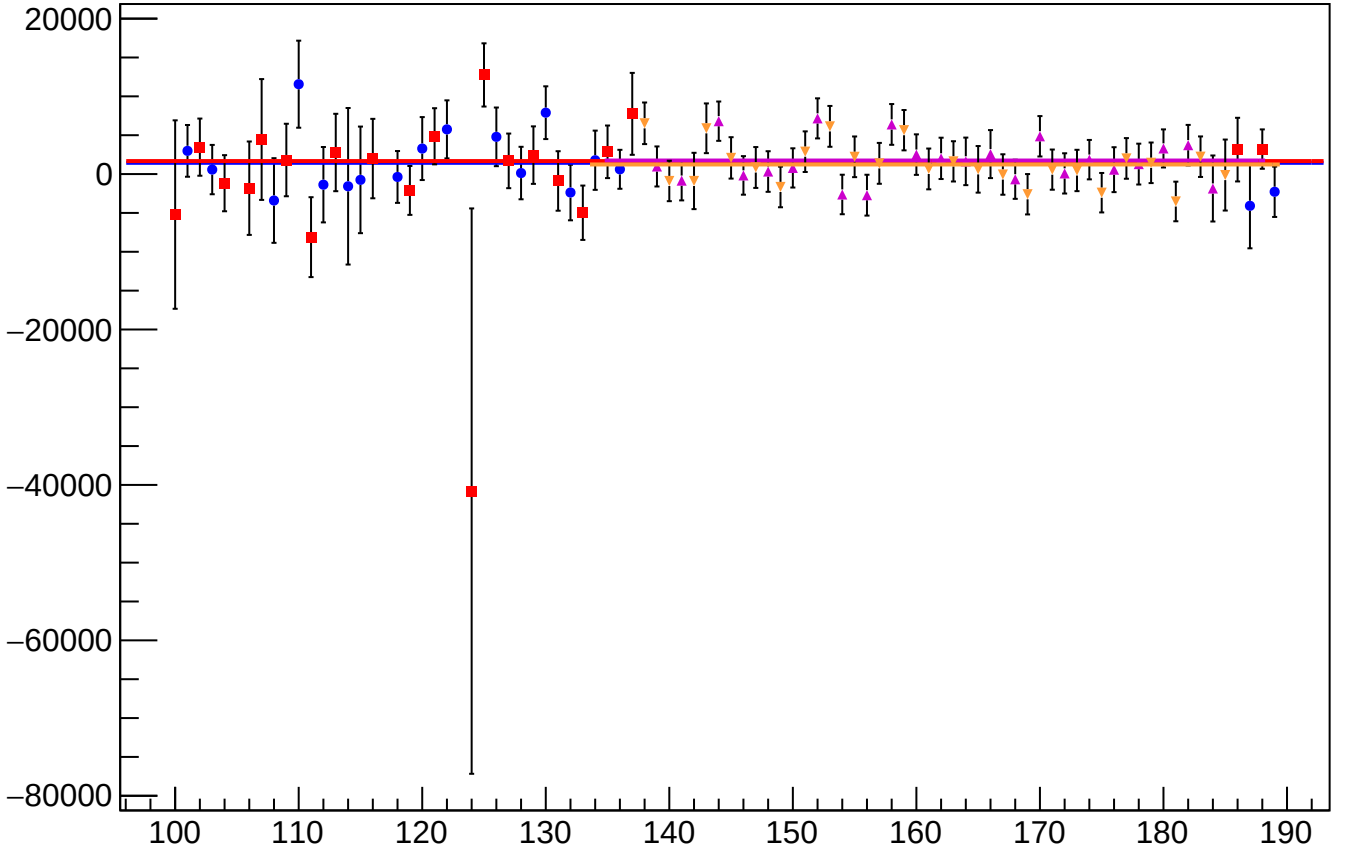
Right: 1136.686+/-0.201 χ^2/NDF: 1703673.7/38

In: 973.367+/-0.136 χ^2/NDF:953949.5/40

Out: 988.862+/-0.134 χ^2/NDF:1979862.2/45

All: 981.202+/-0.095 χ^2/NDF: 2940422.5/86

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1449.111+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1671.911+/-895.889 χ^2/NDF: 22.4/20

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

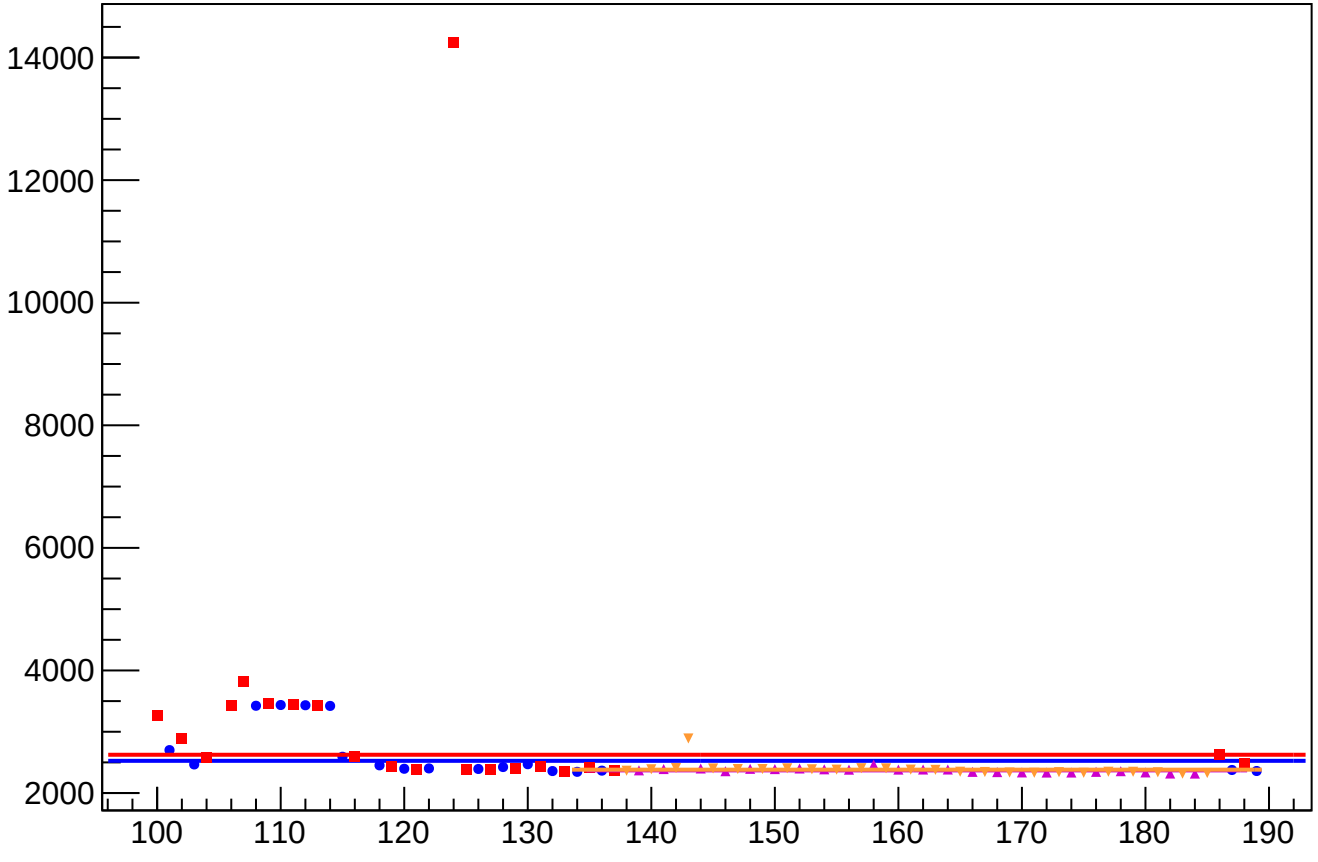
Right: 1561.186+/-635.405 χ^2/NDF: 37.3/38

In: 1661.651+/-471.513 χ^2/NDF:39.3/40

Out: 1351.642+/-463.293 χ^2/NDF:46.4/45

All: 1503.921+/-330.465 χ^2/NDF: 86.0/86

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2624.592+/-0.633 χ^2/NDF: 544257.0/20

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

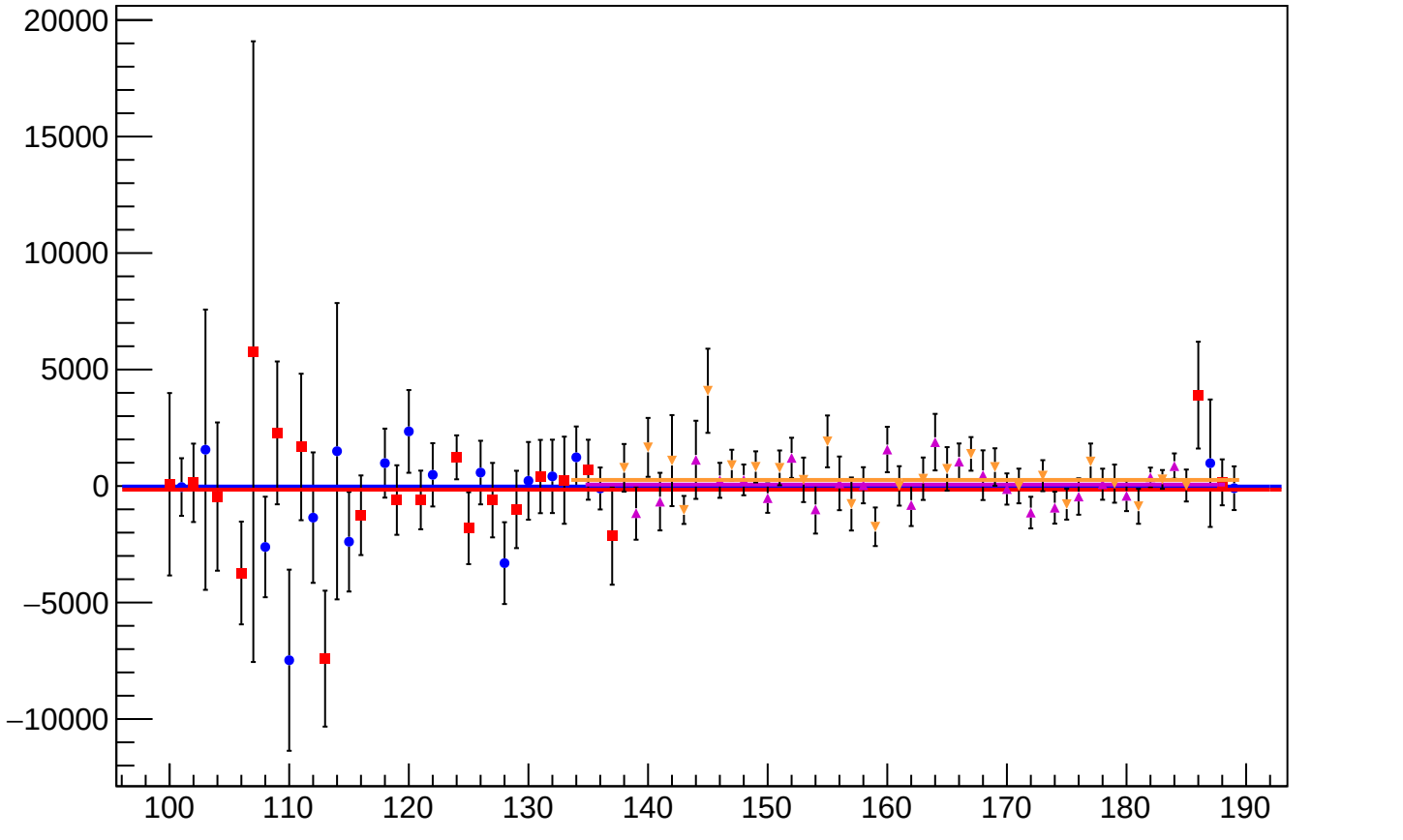
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2575.362+/-0.449 χ^2/NDF: 789550.4/38

In: 2412.116+/-0.333 χ^2/NDF:283773.4/40

Out: 2446.315+/-0.328 χ^2/NDF:709988.5/45

All: 2429.516+/-0.234 χ^2/NDF: 999115.0/86



Right In: -22.310+/-368.999 χ^2/NDF: 13.9/17

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -154.646+/-364.817 χ^2/NDF: 19.1/20

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

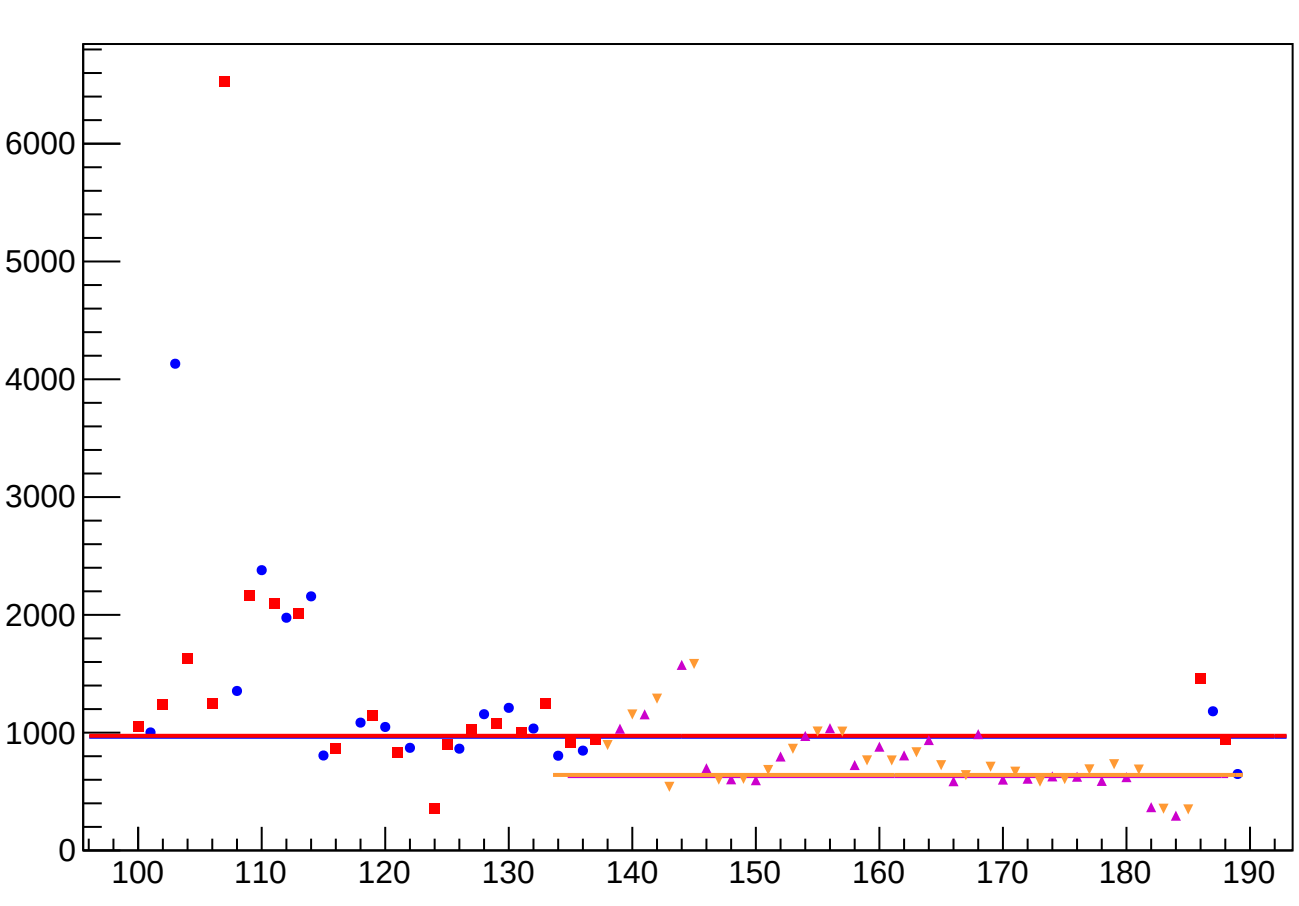
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -89.232+/-259.430 χ^2/NDF: 33.0/38

In: 48.988+/-144.774 χ^2/NDF:36.0/40

Out: 198.874+/-141.884 χ^2/NDF:51.3/45

All: 125.442+/-101.333 χ^2/NDF: 87.8/86



Right In: 965.158+/-0.261 χ^2/NDF: 1640352.1/17

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 973.357+/-0.258 χ^2/NDF: 2403429.7/20

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

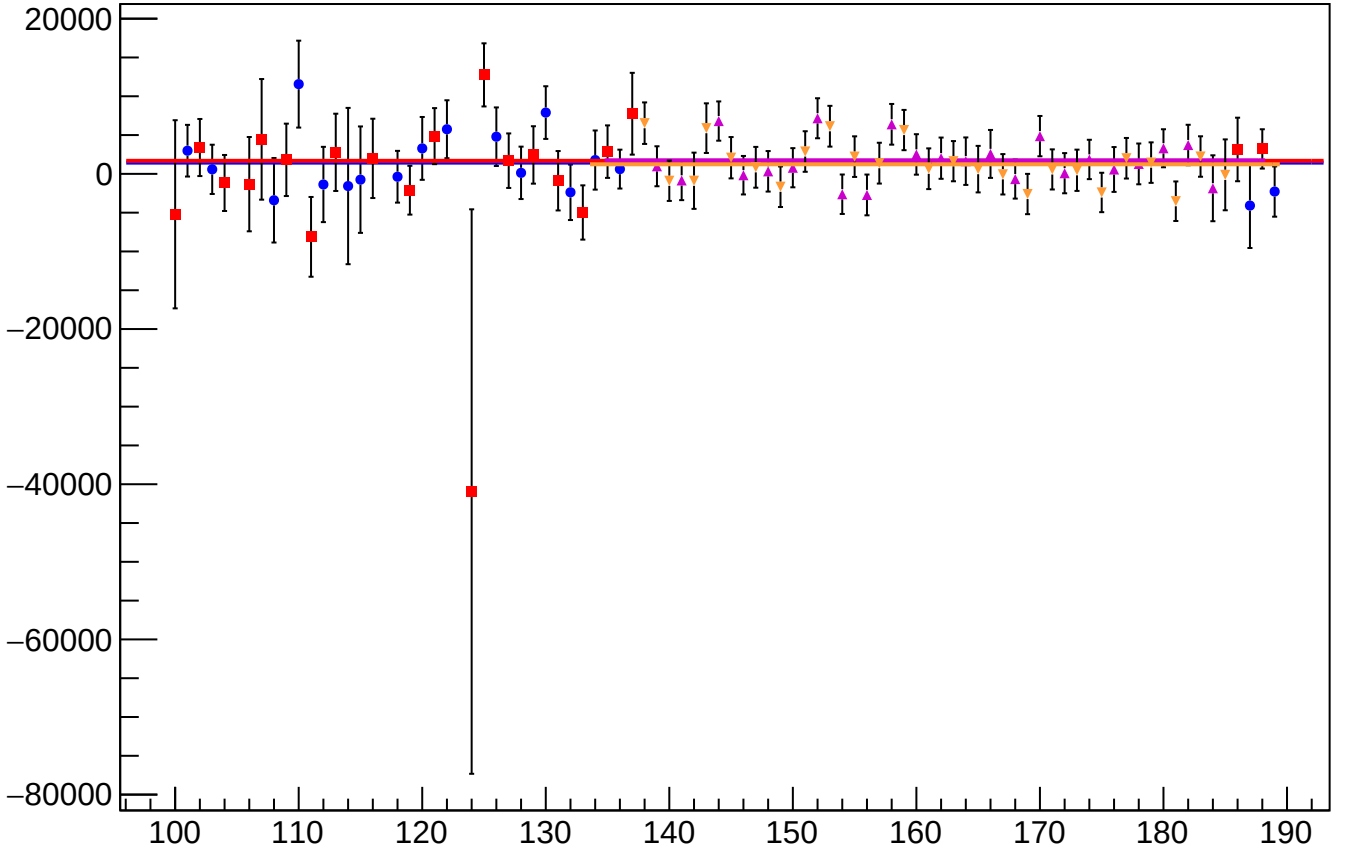
Right: 969.304+/-0.183 χ^2/NDF: 4044281.1/38

In: 682.605+/-0.102 χ^2/NDF:7001813.3/40

Out: 691.404+/-0.100 χ^2/NDF:7285818.3/45

All: 687.094+/-0.072 χ^2/NDF: 14291399.9/86

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1449.441+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1680.104+/-896.115 χ^2/NDF: 22.3/20

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

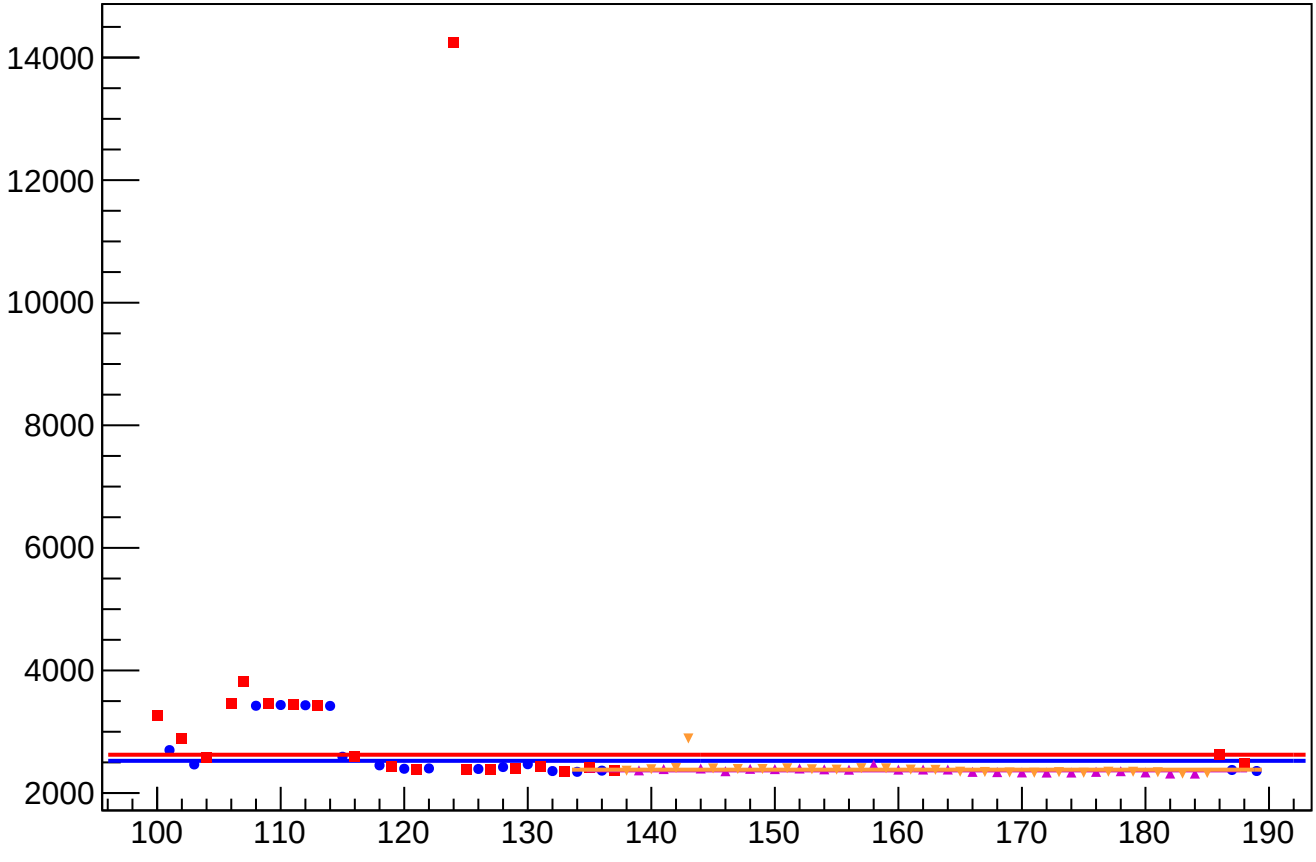
Right: 1565.442+/-635.486 χ^2/NDF: 37.2/38

In: 1661.781+/-471.513 χ^2/NDF:39.3/40

Out: 1353.772+/-463.324 χ^2/NDF:46.3/45

All: 1505.079+/-330.477 χ^2/NDF: 85.9/86

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2625.041+/-0.634 χ^2/NDF: 546886.4/20

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

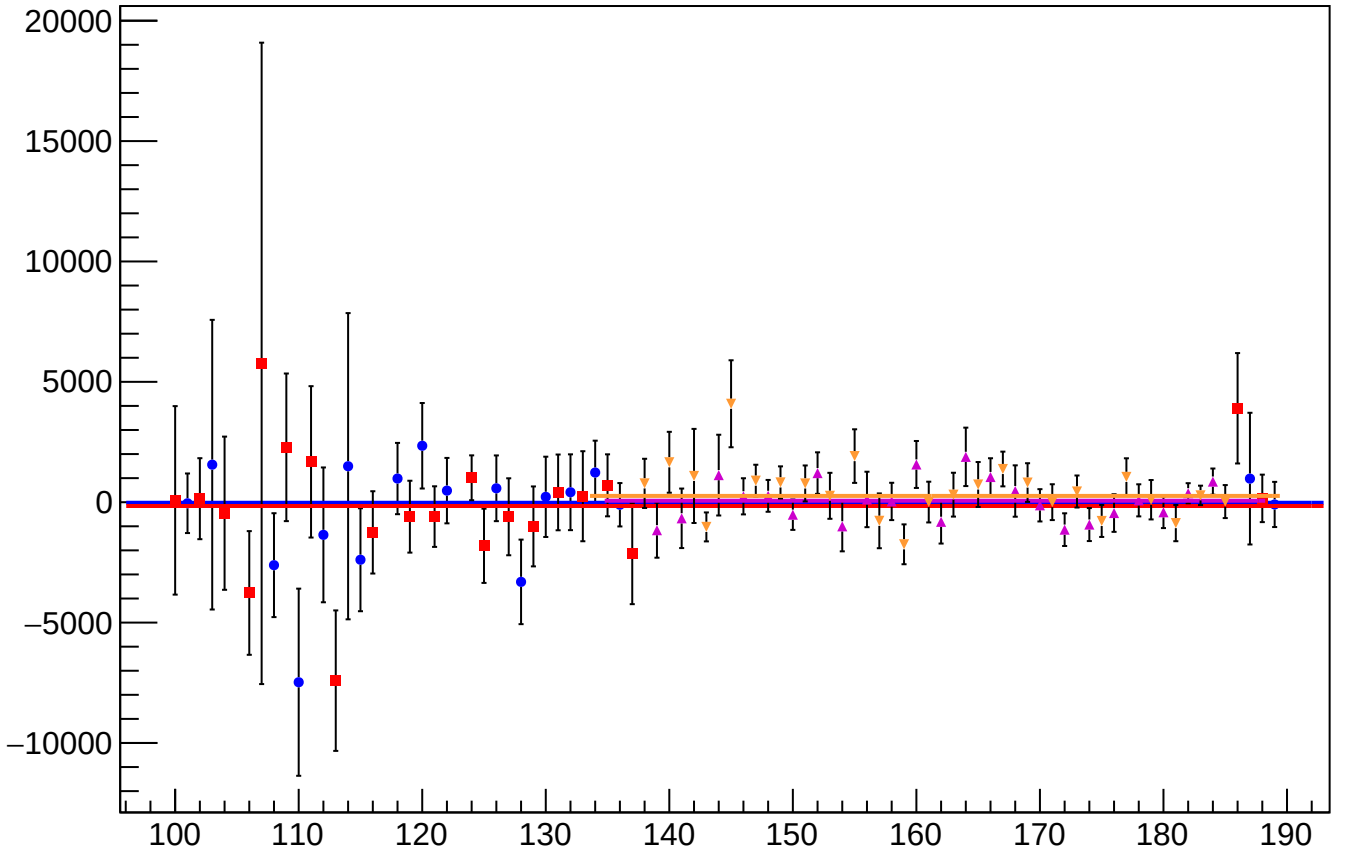
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2575.575+/-0.449 χ^2/NDF: 792287.2/38

In: 2412.116+/-0.333 χ^2/NDF:283773.4/40

Out: 2446.411+/-0.328 χ^2/NDF:712977.4/45

All: 2429.564+/-0.234 χ^2/NDF: 1002133.7/86



Right In: -22.403+/-368.997 χ^2/NDF: 13.9/17

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -156.940+/-365.404 χ^2/NDF: 17.8/20

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

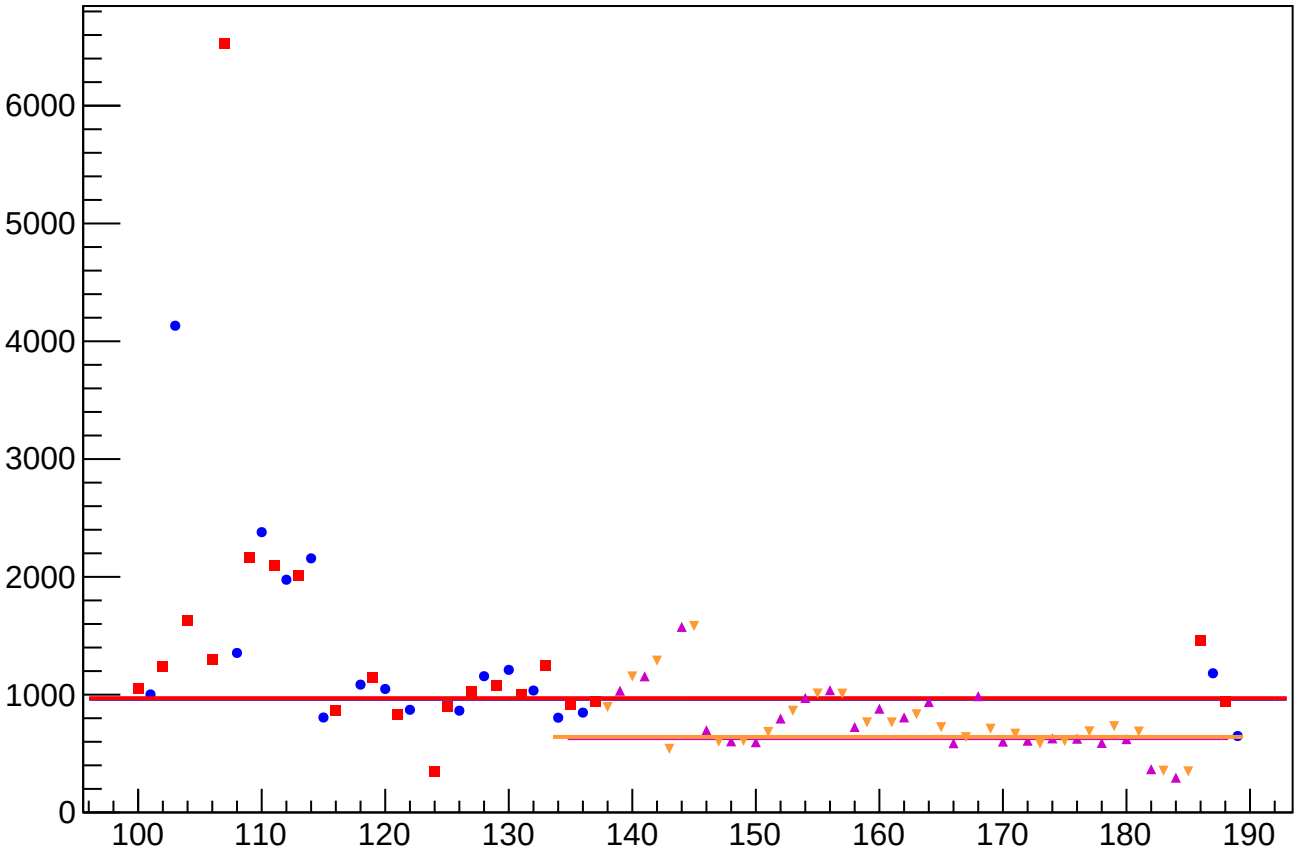
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -90.330+/-259.641 χ^2/NDF: 31.8/38

In: 48.988+/-144.773 χ^2/NDF:36.0/40

Out: 198.939+/-141.921 χ^2/NDF:50.0/45

All: 125.455+/-101.347 χ^2/NDF: 86.5/86



Right In: 965.152+/-0.261 χ^2/NDF: 1640324.2/17

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 969.171+/-0.258 χ^2/NDF: 2439678.6/20

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

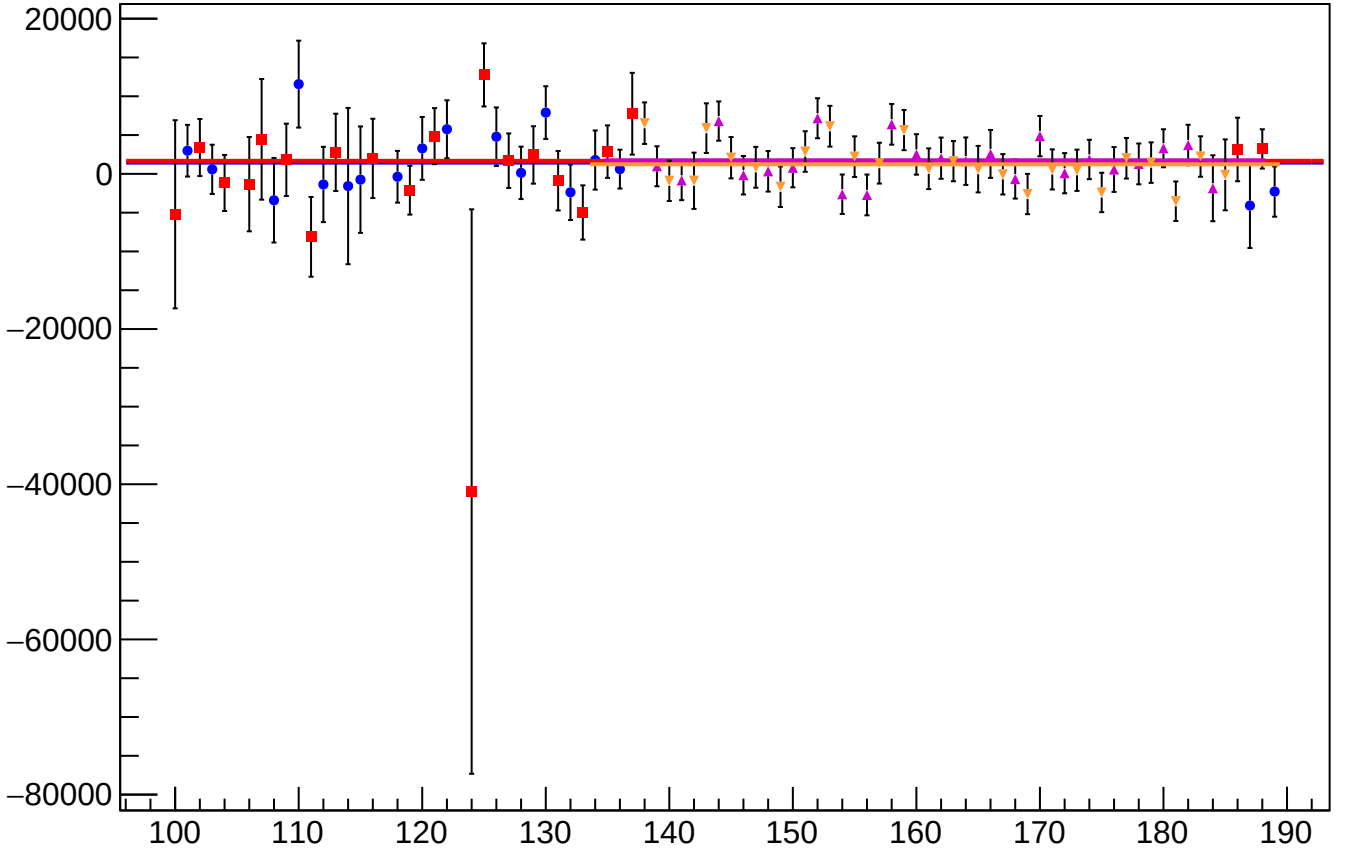
Right: 967.181+/-0.184 χ^2/NDF: 4080122.6/38

In: 682.603+/-0.102 χ^2/NDF:7001900.9/40

Out: 690.648+/-0.100 χ^2/NDF:7282690.6/45

All: 686.706+/-0.072 χ^2/NDF: 14287741.2/86

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1449.441+/-901.334 χ^2/NDF: 14.9/17

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1680.104+/-896.115 χ^2/NDF: 22.3/20

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

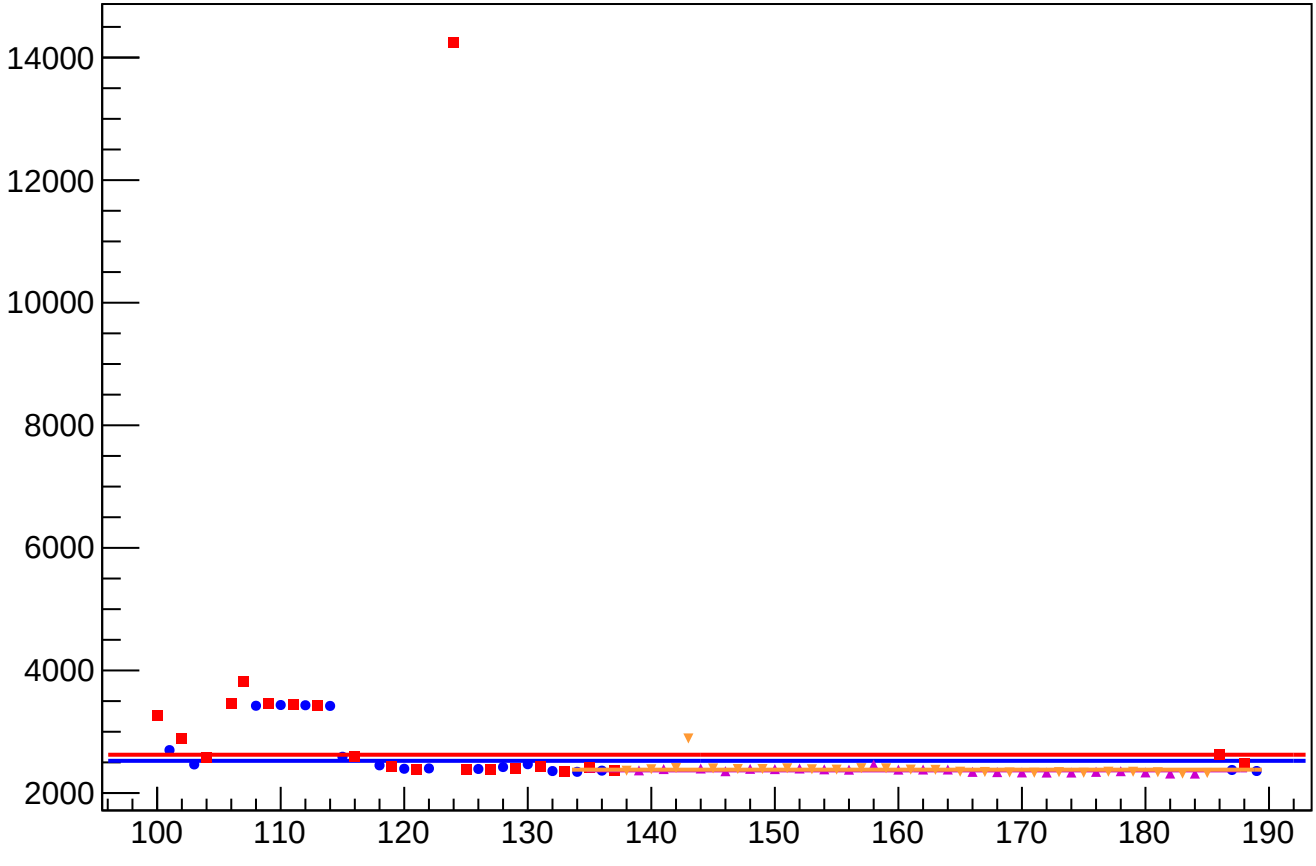
Right: 1565.442+/-635.486 χ^2/NDF: 37.2/38

In: 1661.781+/-471.513 χ^2/NDF:39.3/40

Out: 1353.772+/-463.324 χ^2/NDF:46.3/45

All: 1505.079+/-330.477 χ^2/NDF: 85.9/86

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2525.532+/-0.637 χ^2/NDF: 233141.3/17

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2625.041+/-0.634 χ^2/NDF: 546886.4/20

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

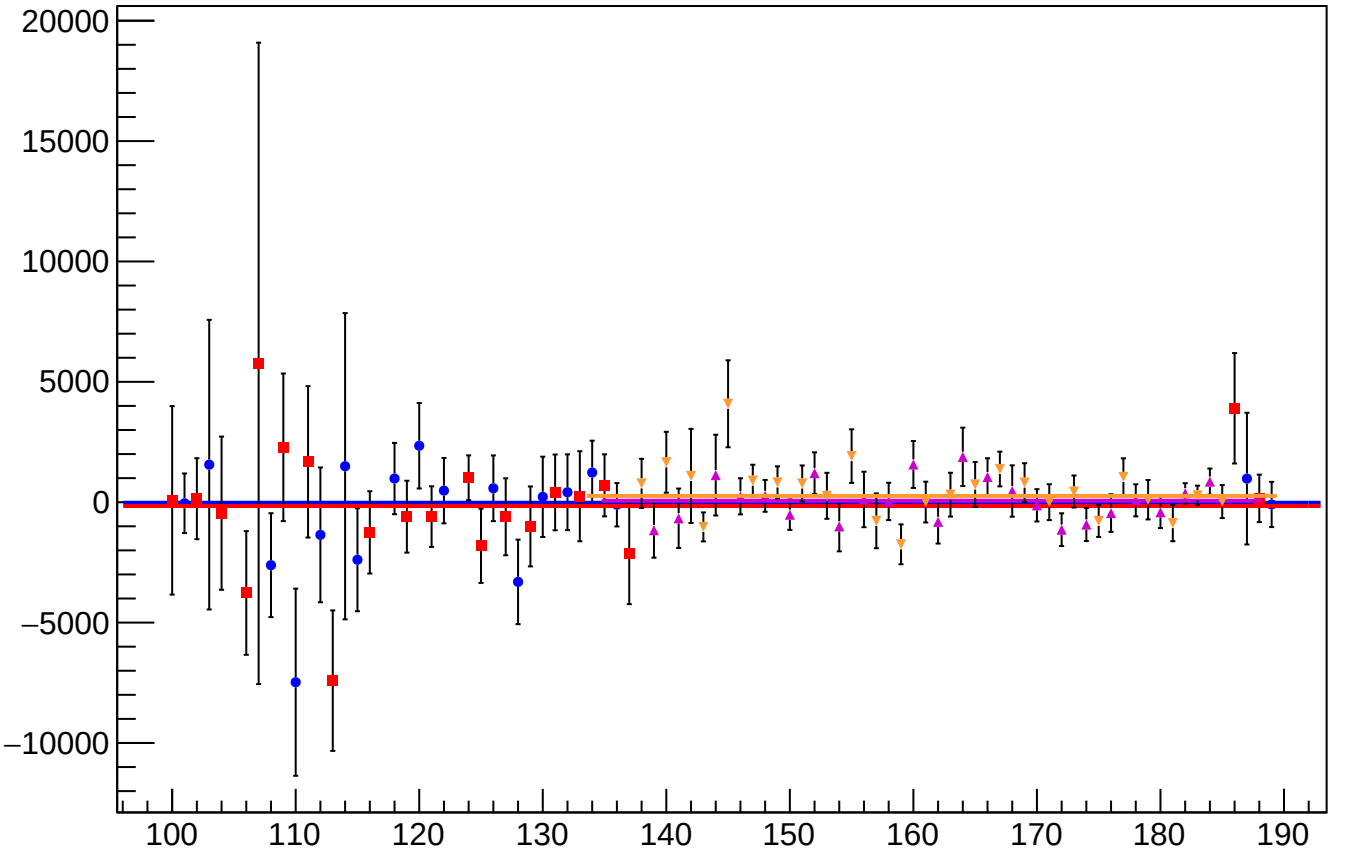
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2575.575+/-0.449 χ^2/NDF: 792287.2/38

In: 2412.116+/-0.333 χ^2/NDF:283773.4/40

Out: 2446.411+/-0.328 χ^2/NDF:712977.4/45

All: 2429.564+/-0.234 χ^2/NDF: 1002133.7/86



Right In: -22.403+/-368.997 χ^2/NDF: 13.9/17

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -156.940+/-365.404 χ^2/NDF: 17.8/20

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

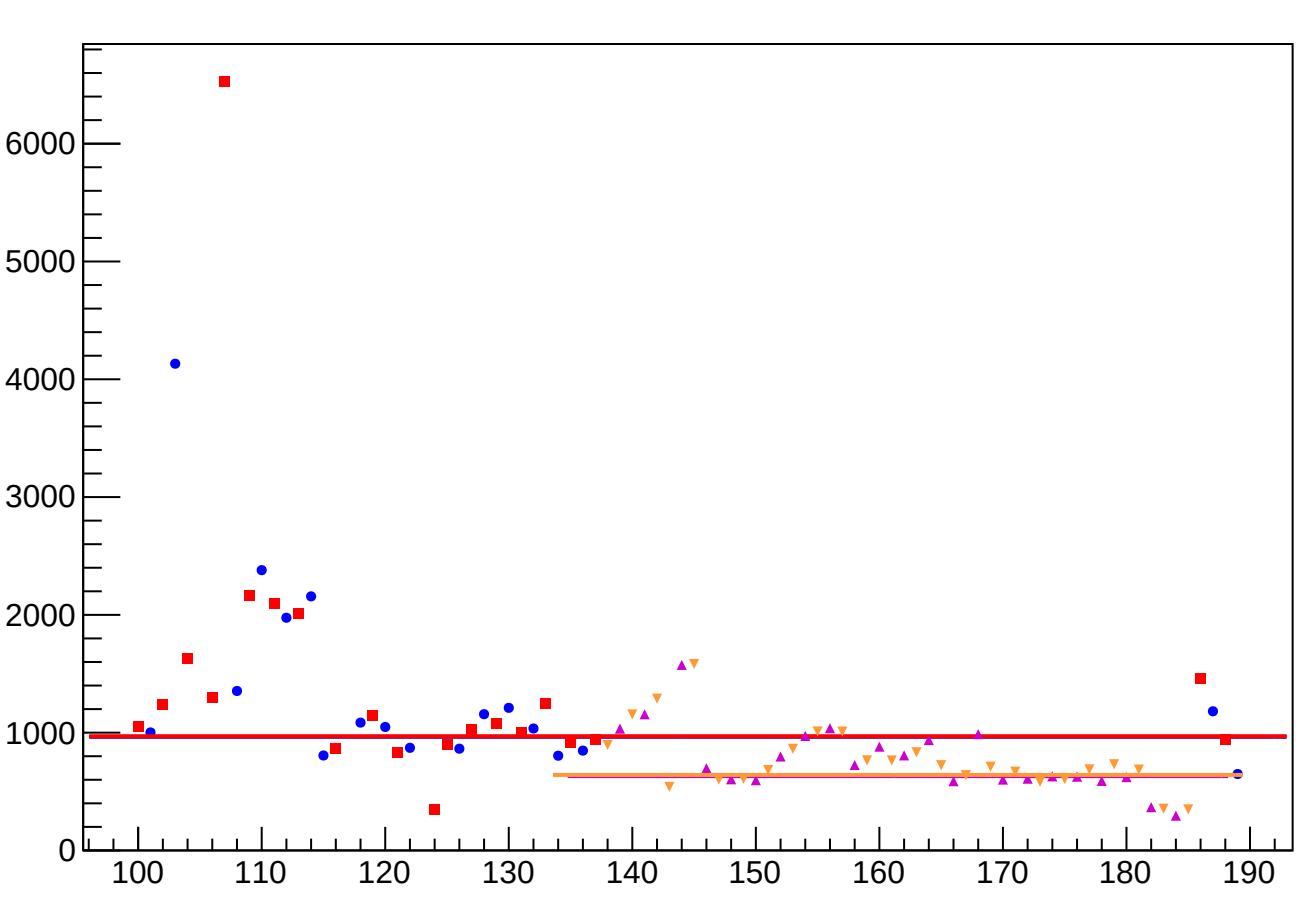
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -90.330+/-259.641 χ^2/NDF: 31.8/38

In: 48.988+/-144.773 χ^2/NDF:36.0/40

Out: 198.939+/-141.921 χ^2/NDF:50.0/45

All: 125.455+/-101.347 χ^2/NDF: 86.5/86



Right In: 965.152+/-0.261 χ^2/NDF: 1640324.2/17

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 969.171+/-0.258 χ^2/NDF: 2439678.6/20

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

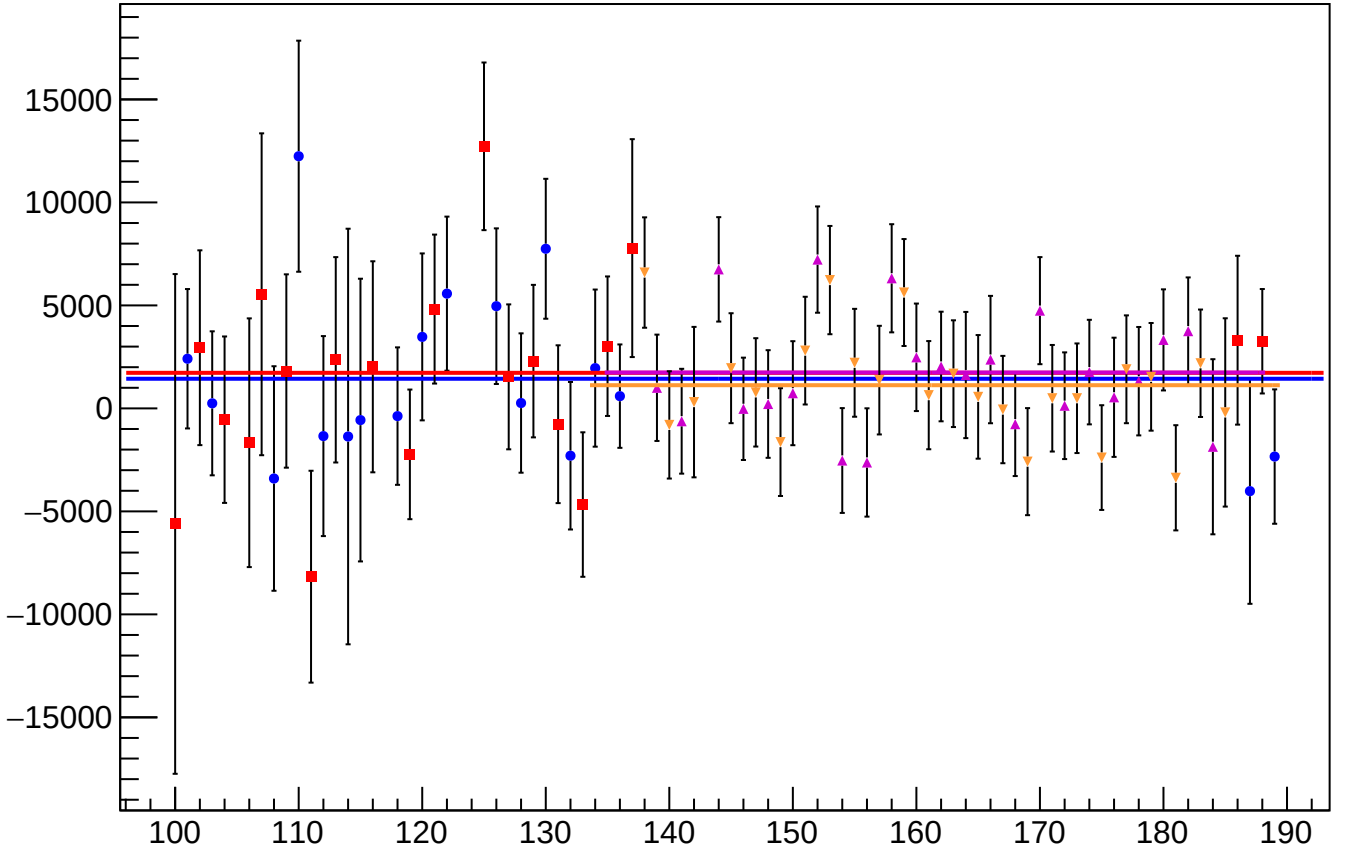
Right: 967.181+/-0.184 χ^2/NDF: 4080122.6/38

In: 682.603+/-0.102 χ^2/NDF:7001900.9/40

Out: 690.648+/-0.100 χ^2/NDF:7282690.6/45

All: 686.706+/-0.072 χ^2/NDF: 14287741.2/86

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1438.467+/-910.134 χ^2/NDF: 15.0/17

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1726.500+/-913.960 χ^2/NDF: 20.4/19

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

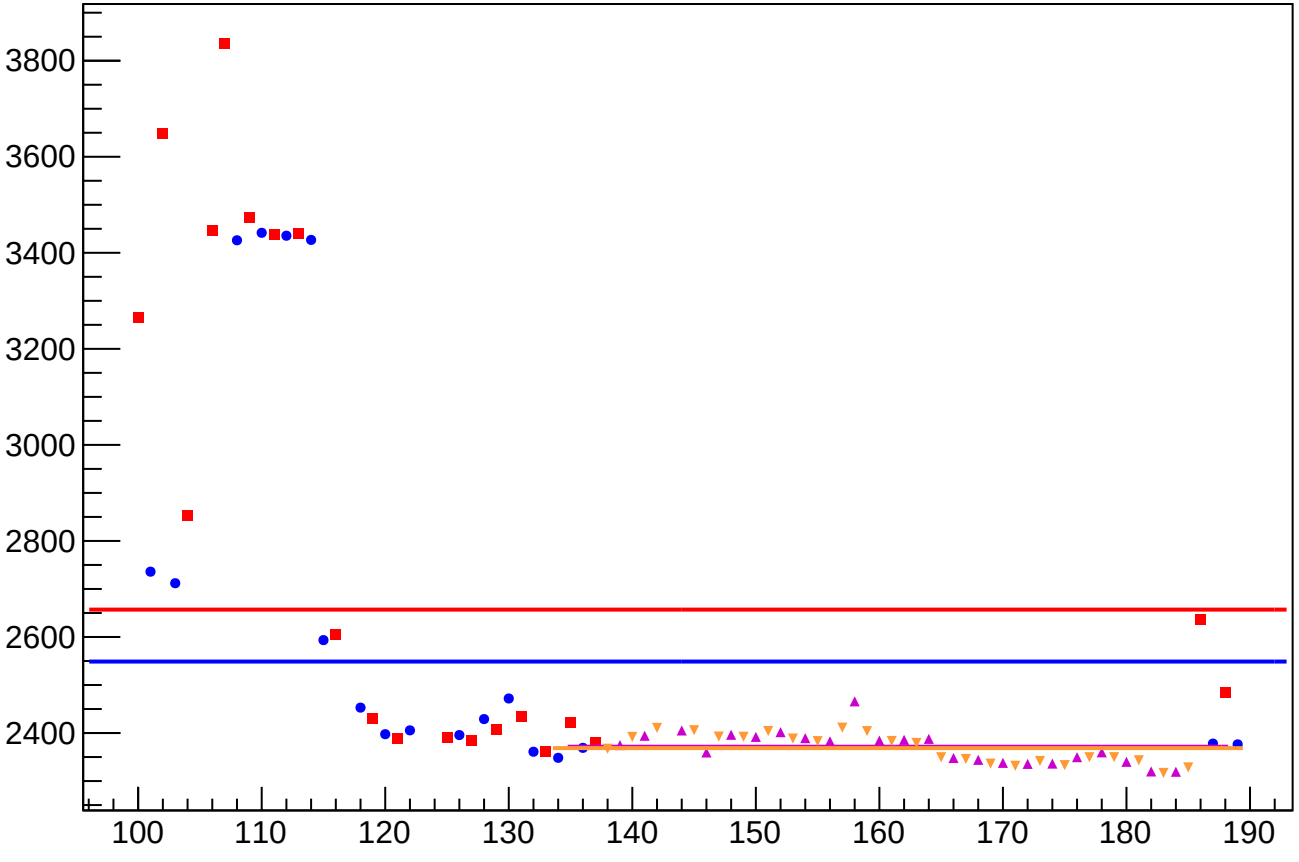
Right: 1581.879+/-644.910 χ^2/NDF: 35.4/37

In: 1660.215+/-473.072 χ^2/NDF:38.8/40

Out: 1285.256+/-471.147 χ^2/NDF:41.9/43

All: 1471.971+/-333.830 χ^2/NDF: 81.0/84

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2548.832+/-0.644 χ^2/NDF: 237919.7/17

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2657.005+/-0.646 χ^2/NDF: 430268.7/19

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

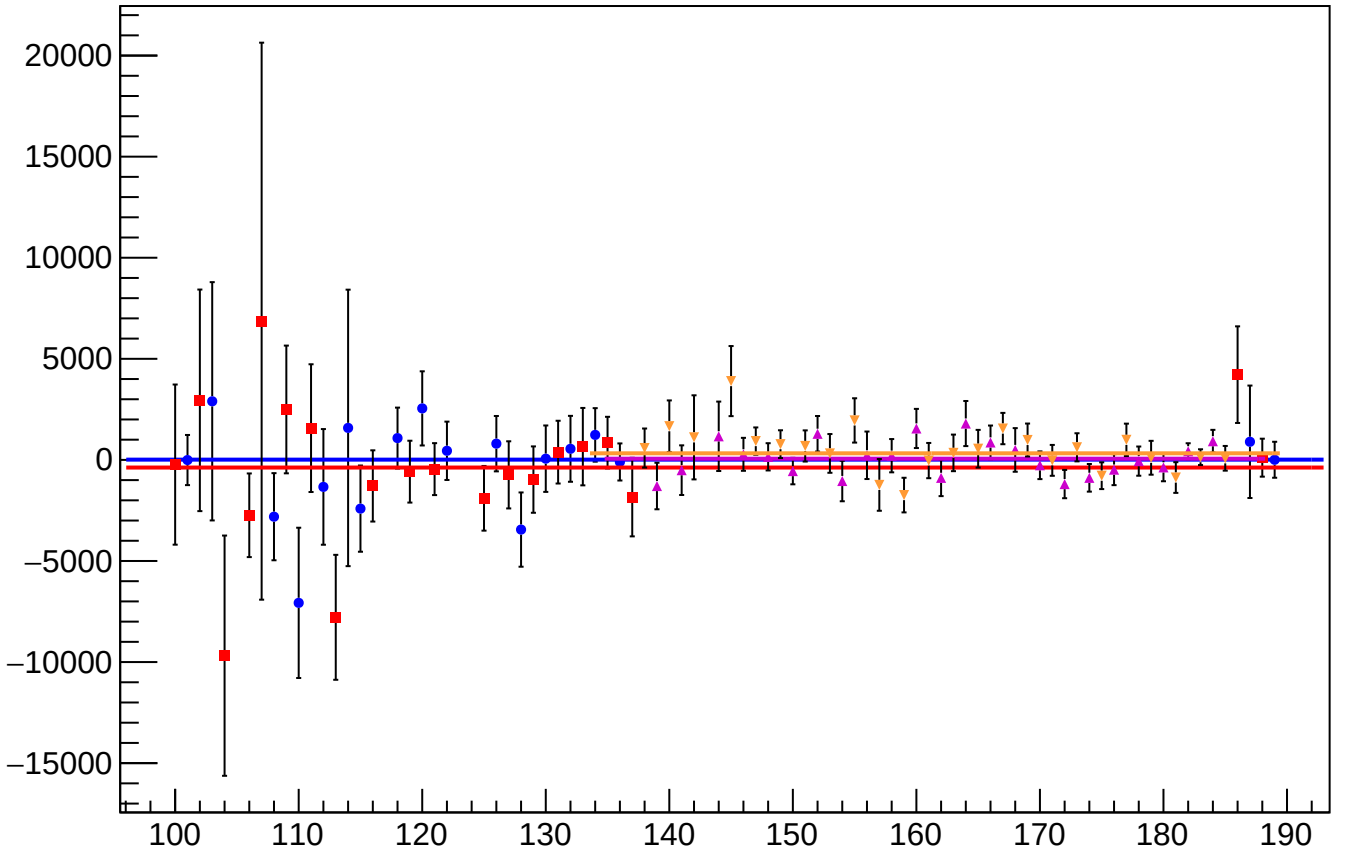
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2602.692+/-0.456 χ^2/NDF: 682255.3/37

In: 2419.424+/-0.335 χ^2/NDF:300375.3/40

Out: 2445.218+/-0.333 χ^2/NDF:582099.5/43

All: 2432.374+/-0.236 χ^2/NDF: 885459.9/84



Right In: 12.937+/-370.716 χ^2/NDF: 14.6/17

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -378.031+/-407.422 χ^2/NDF: 18.7/19

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

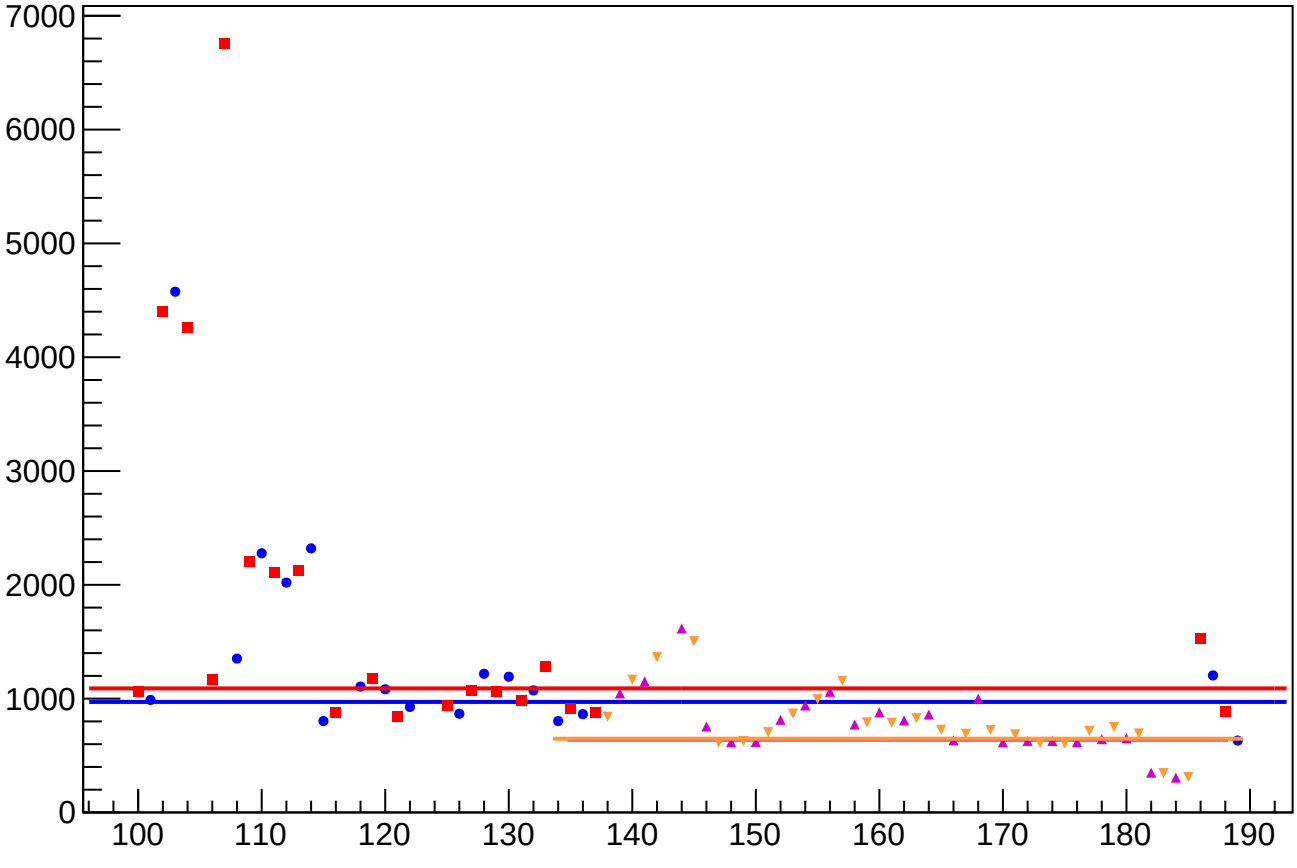
Right: -164.145+/-274.196 χ^2/NDF: 33.8/37

In: 52.314+/-146.646 χ^2/NDF:37.3/40

Out: 231.849+/-148.961 χ^2/NDF:48.1/43

All: 140.675+/-104.503 χ^2/NDF: 86.2/84

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 971.132+/-0.262 χ^2/NDF: 1898067.8/17

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 1090.091+/-0.288 χ^2/NDF: 2708204.5/19

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

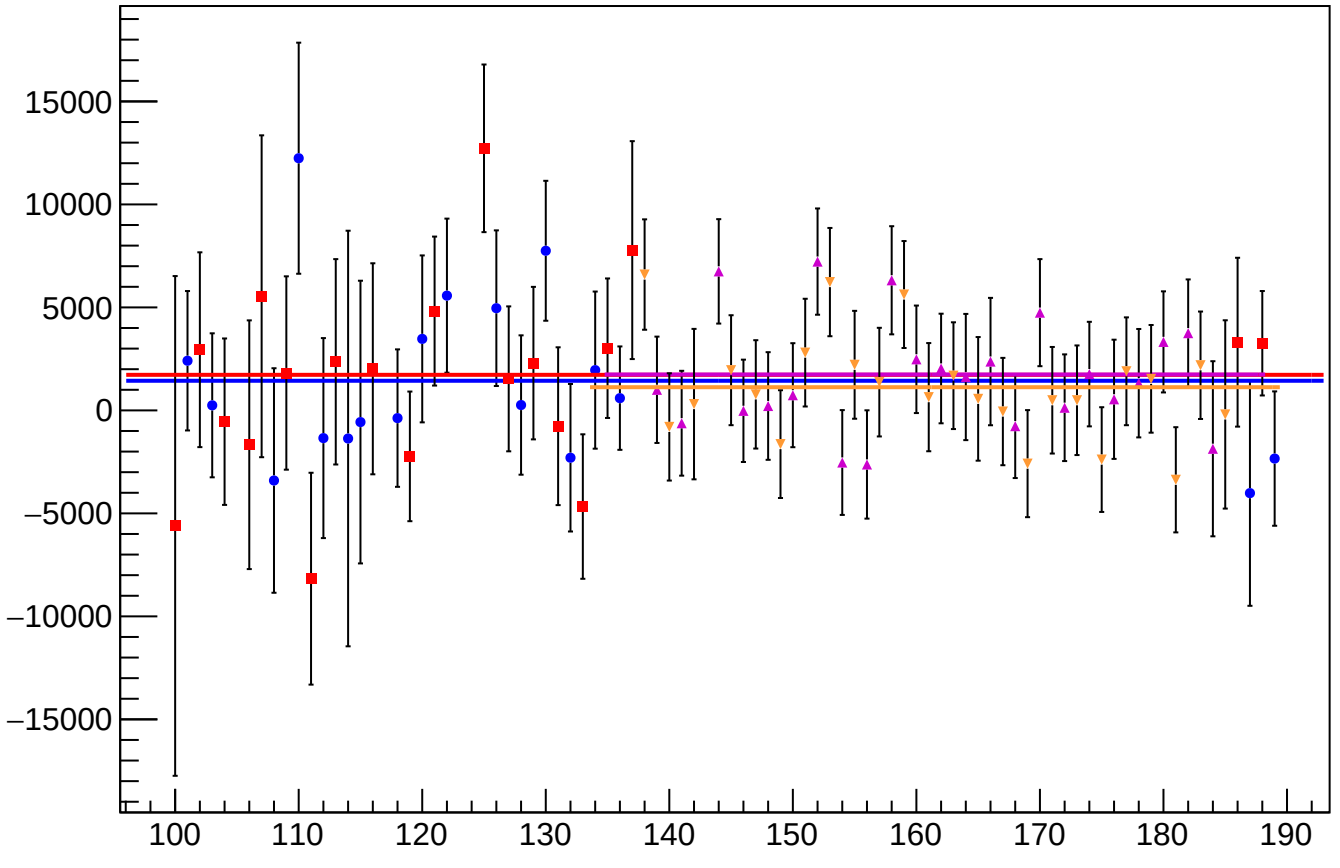
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 1025.013+/-0.194 χ^2/NDF: 4699549.8/37

In: 692.171+/-0.104 χ^2/NDF:7369404.5/40

Out: 707.184+/-0.105 χ^2/NDF:8634337.7/43

All: 699.560+/-0.074 χ^2/NDF: 16014058.7/84



Right In: 1438.464+/-910.134 χ^2/NDF: 15.0/17

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1726.498+/-913.960 χ^2/NDF: 20.4/19

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

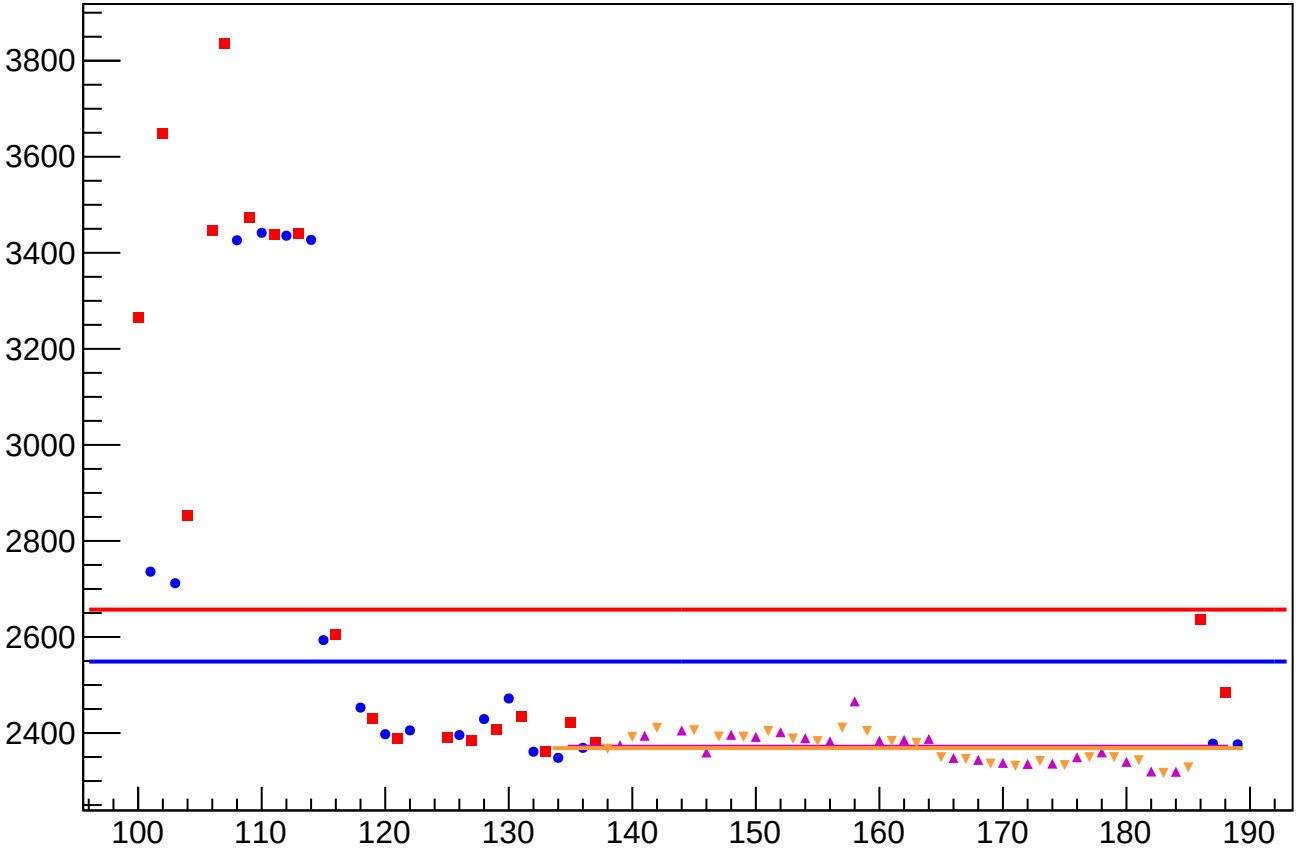
Right: 1581.877+/-644.910 χ^2/NDF: 35.4/37

In: 1660.215+/-473.072 χ^2/NDF:38.8/40

Out: 1285.255+/-471.147 χ^2/NDF:41.9/43

All: 1471.971+/-333.830 χ^2/NDF: 81.0/84

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2548.832+/-0.644 χ^2/NDF: 237919.4/17

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2657.005+/-0.646 χ^2/NDF: 430268.1/19

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

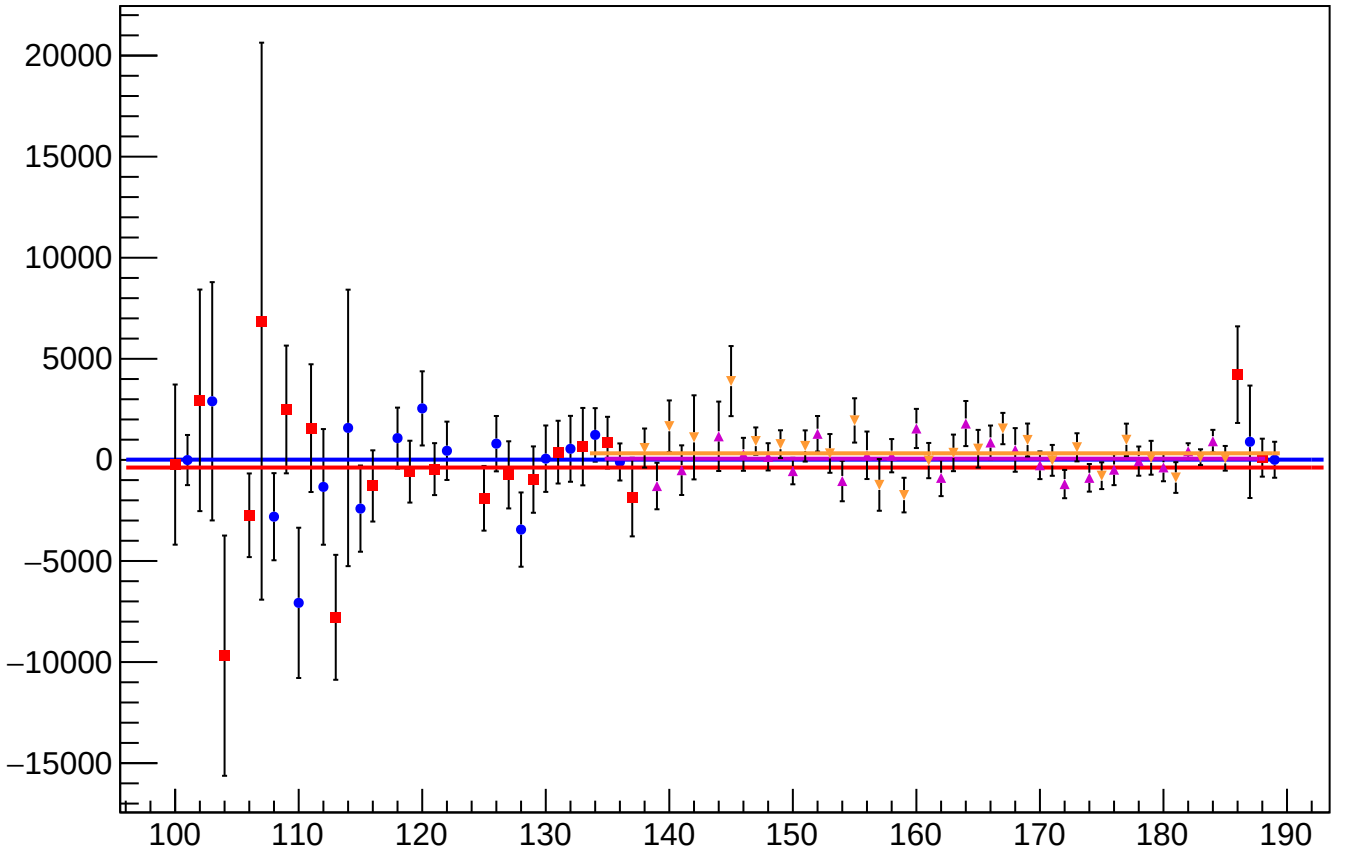
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2602.691+/-0.456 χ^2/NDF: 682254.4/37

In: 2419.424+/-0.335 χ^2/NDF:300374.9/40

Out: 2445.218+/-0.333 χ^2/NDF:582098.5/43

All: 2432.374+/-0.236 χ^2/NDF: 885458.5/84



Right In: 12.934+/-370.716 χ^2/NDF: 14.6/17

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -378.031+/-407.422 χ^2/NDF: 18.7/19

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

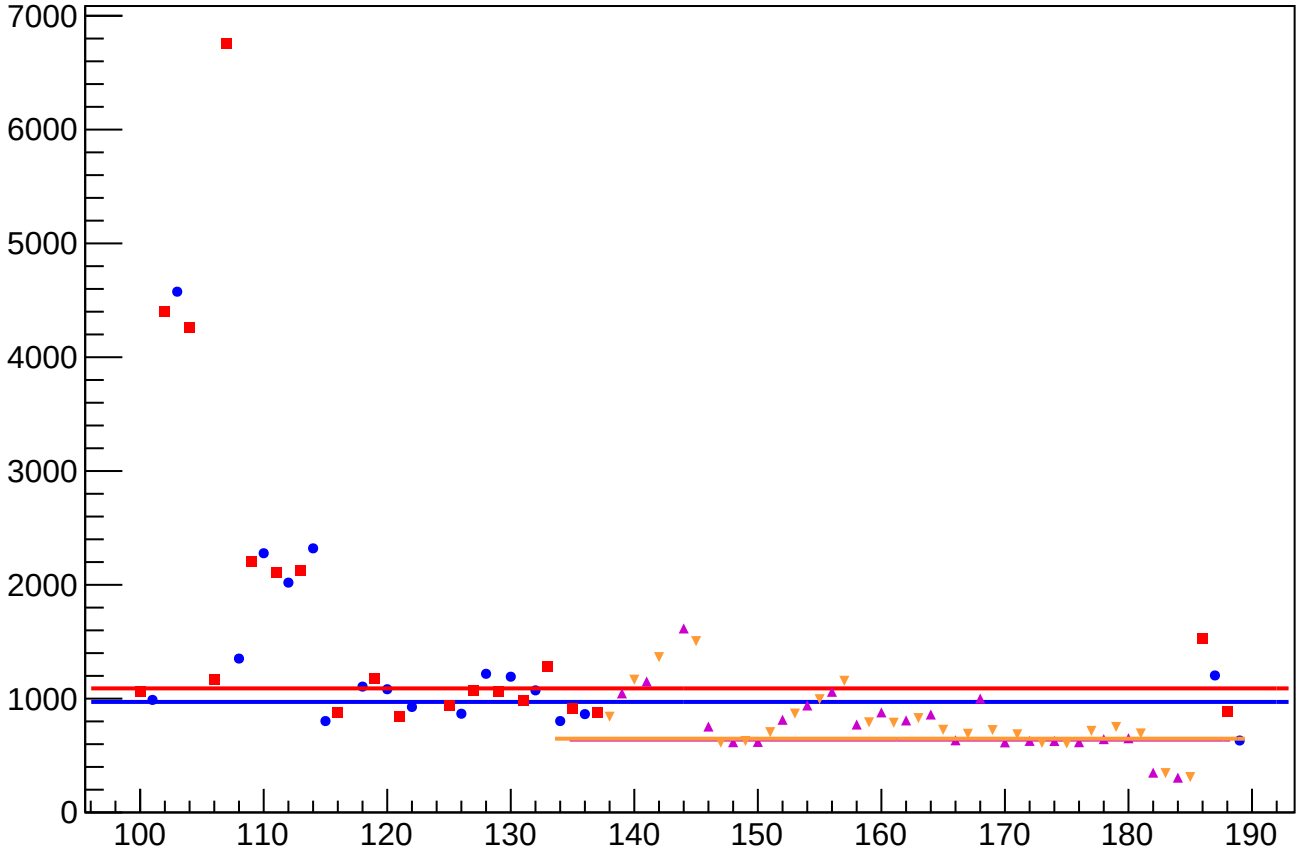
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -164.147+/-274.196 χ^2/NDF: 33.8/37

In: 52.314+/-146.646 χ^2/NDF:37.3/40

Out: 231.848+/-148.961 χ^2/NDF:48.1/43

All: 140.675+/-104.503 χ^2/NDF: 86.2/84



Right In: 971.133+/-0.262 χ^2/NDF: 1898064.6/17

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1090.091+/-0.288 χ^2/NDF: 2708203.9/19

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

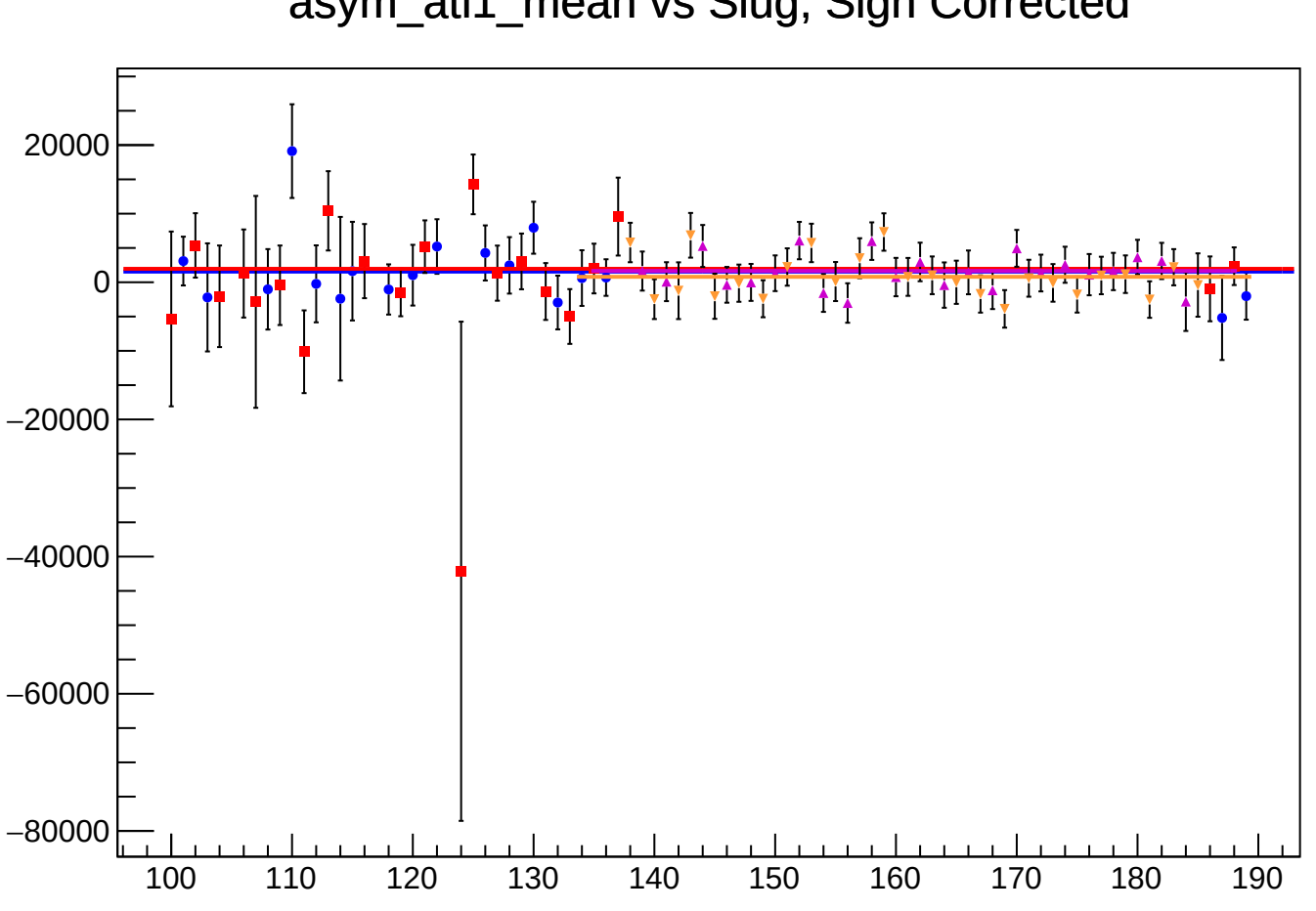
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 1025.013+/-0.194 χ^2/NDF: 4699545.1/37

In: 692.172+/-0.104 χ^2/NDF:7369409.7/40

Out: 707.185+/-0.105 χ^2/NDF:8634336.3/43

All: 699.561+/-0.074 χ^2/NDF: 16014062.7/84



Right In: 1552.559+/-1019.794 χ^2/NDF: 15.9/17

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1956.273+/-1025.299 χ^2/NDF: 24.7/20

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

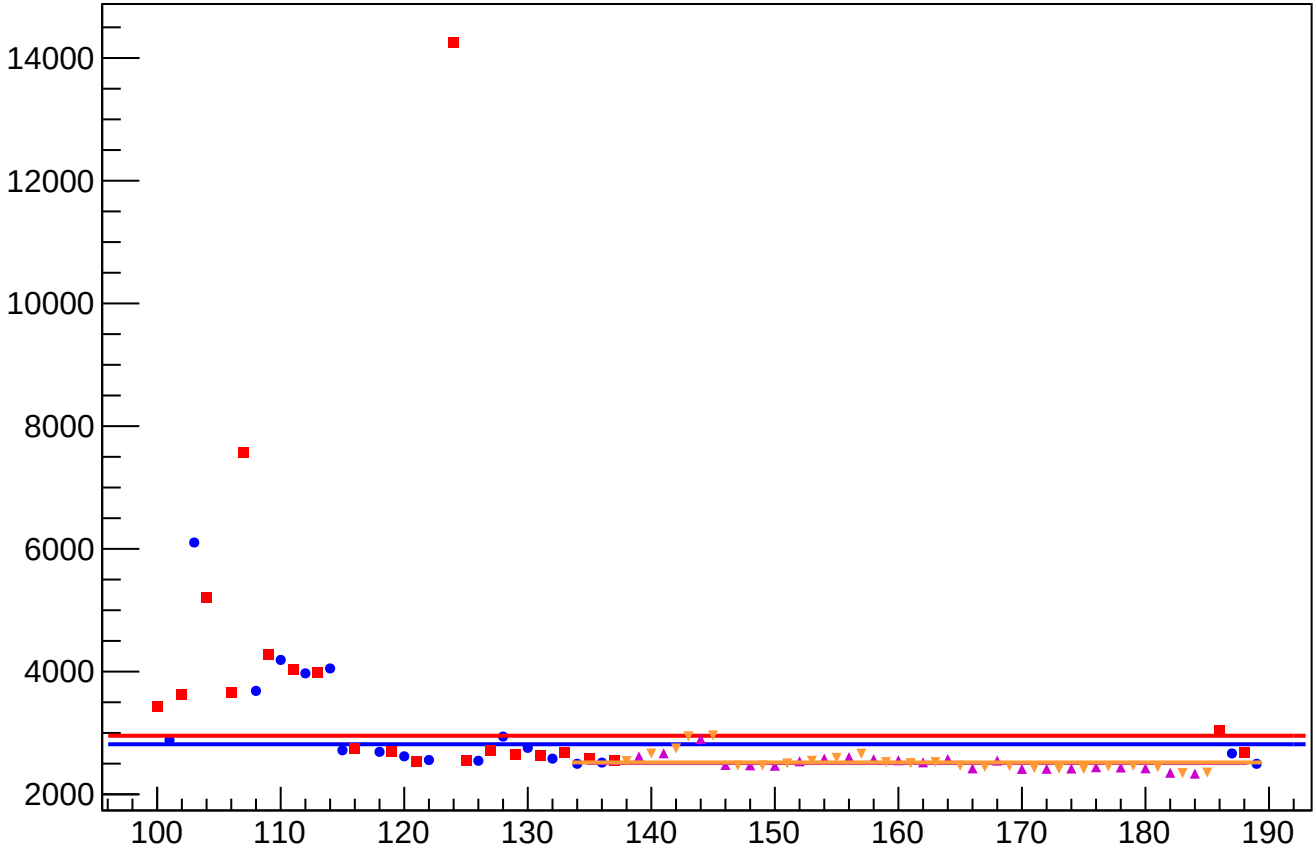
Right: 1753.329+/-723.042 χ^2/NDF: 40.7/38

In: 1629.240+/-508.589 χ^2/NDF:33.3/40

Out: 1068.858+/-500.366 χ^2/NDF:52.8/45

All: 1344.482+/-356.684 χ^2/NDF: 86.7/86

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2815.614+/-0.721 χ^2/NDF: 669484.3/17

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2954.428+/-0.725 χ^2/NDF: 1001501.1/20

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

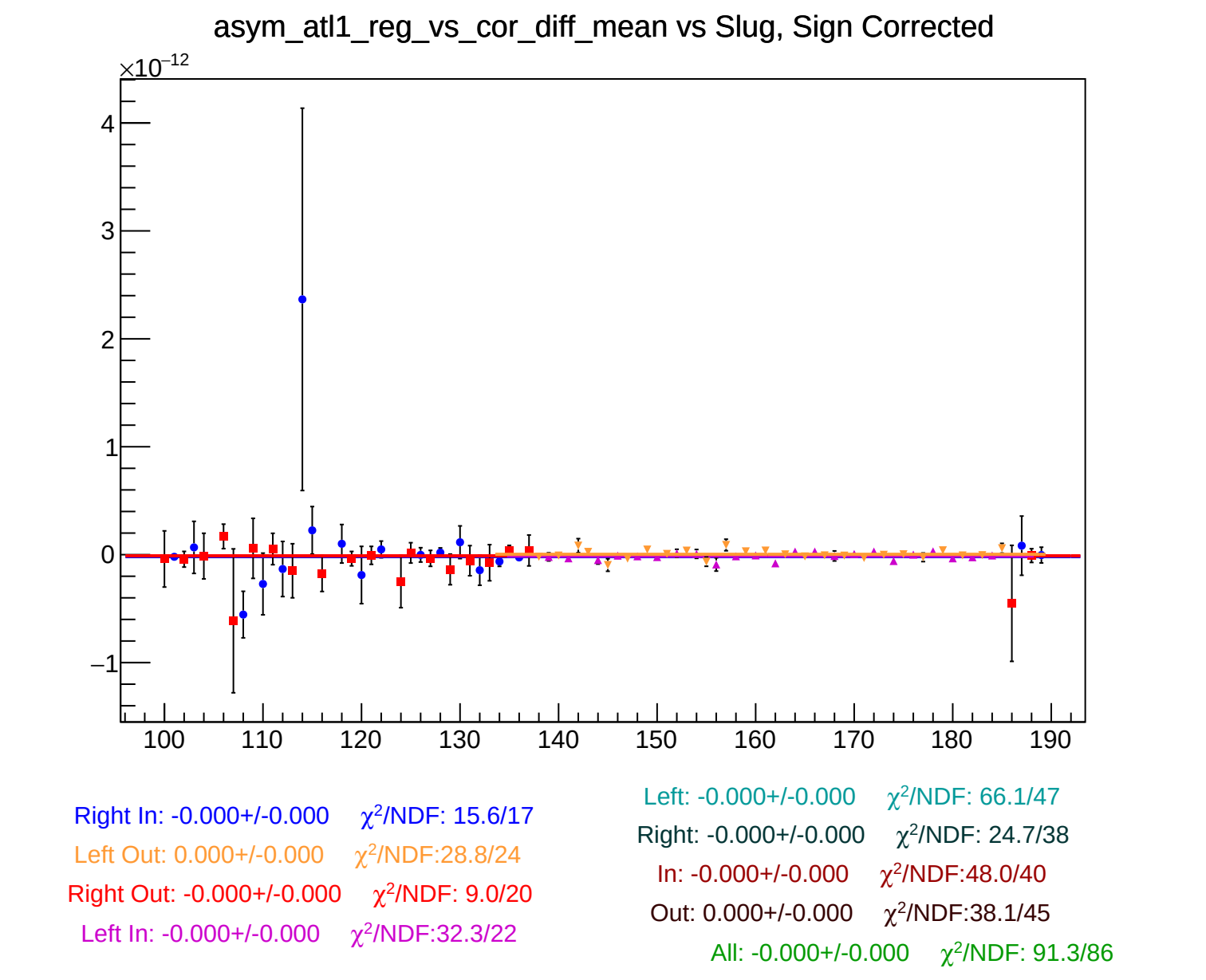
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

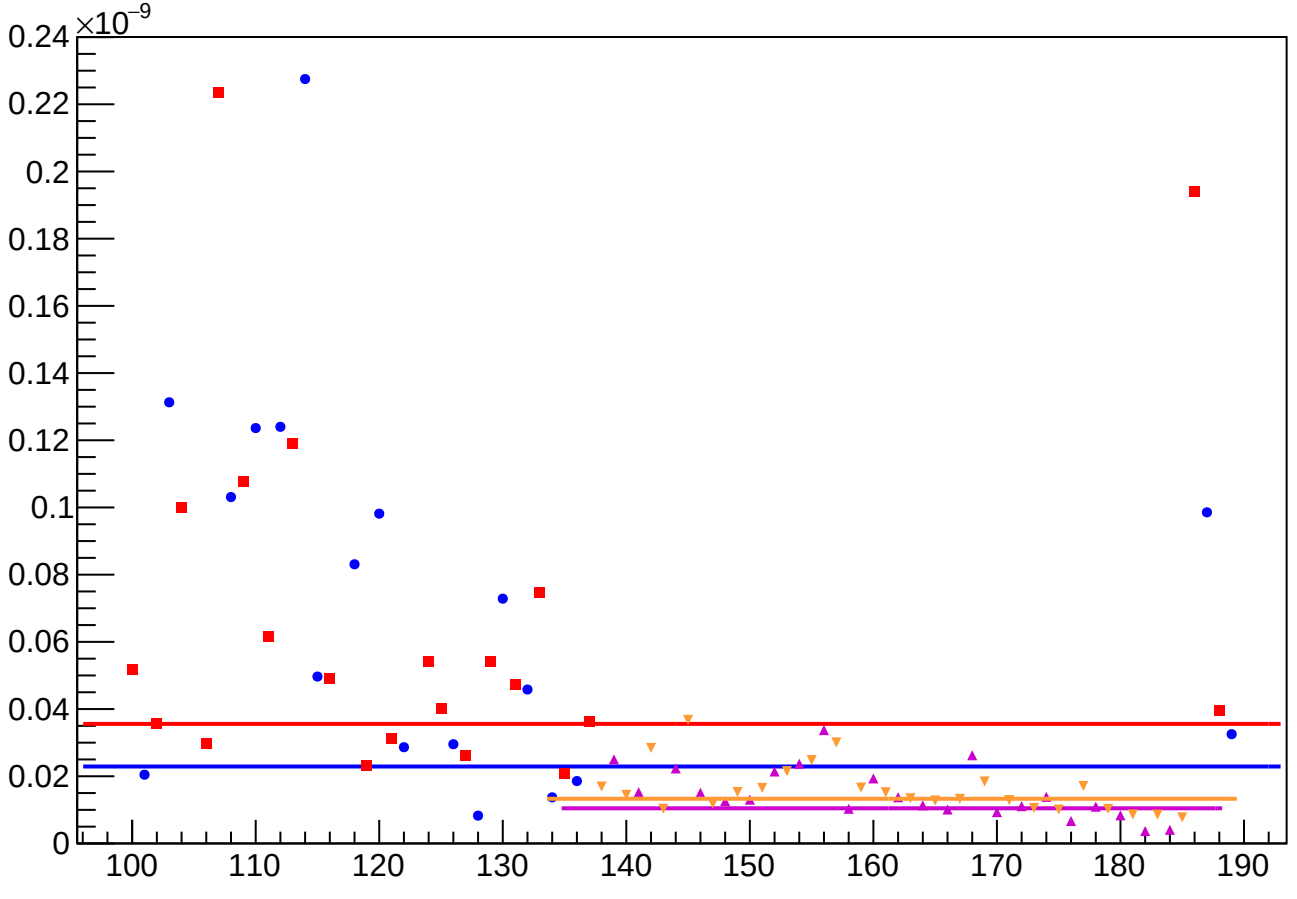
Right: 2884.647+/-0.511 χ^2/NDF: 1689414.2/38

In: 2586.129+/-0.360 χ^2/NDF:878062.1/40

Out: 2623.095+/-0.354 χ^2/NDF:1390859.6/45

All: 2604.914+/-0.252 χ^2/NDF: 2274290.8/86


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.6/17
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 9.0/20
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 24.7/38
In: -0.000+/-0.000 χ²/NDF:48.0/40
Out: 0.000+/-0.000 χ²/NDF:38.1/45
All: -0.000+/-0.000 χ²/NDF: 91.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 2535818.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1428318.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

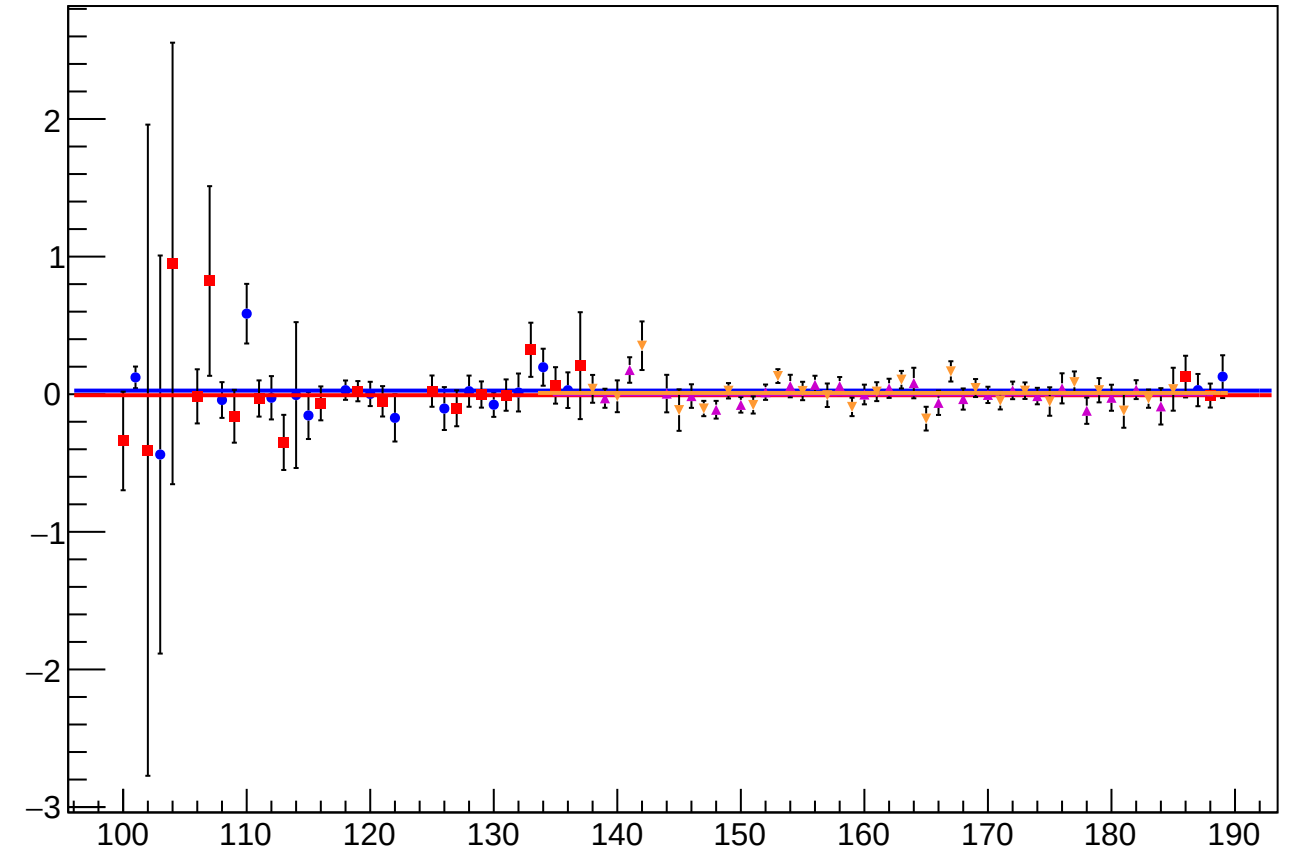
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4367764.0/38

In: 0.000+/-0.000 χ^2/NDF:6379997.9/40

Out: 0.000+/-0.000 χ^2/NDF:4715427.1/45

All: 0.000+/-0.000 χ^2/NDF: 11476226.8/86



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.031 χ^2/NDF: 11.7/19

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

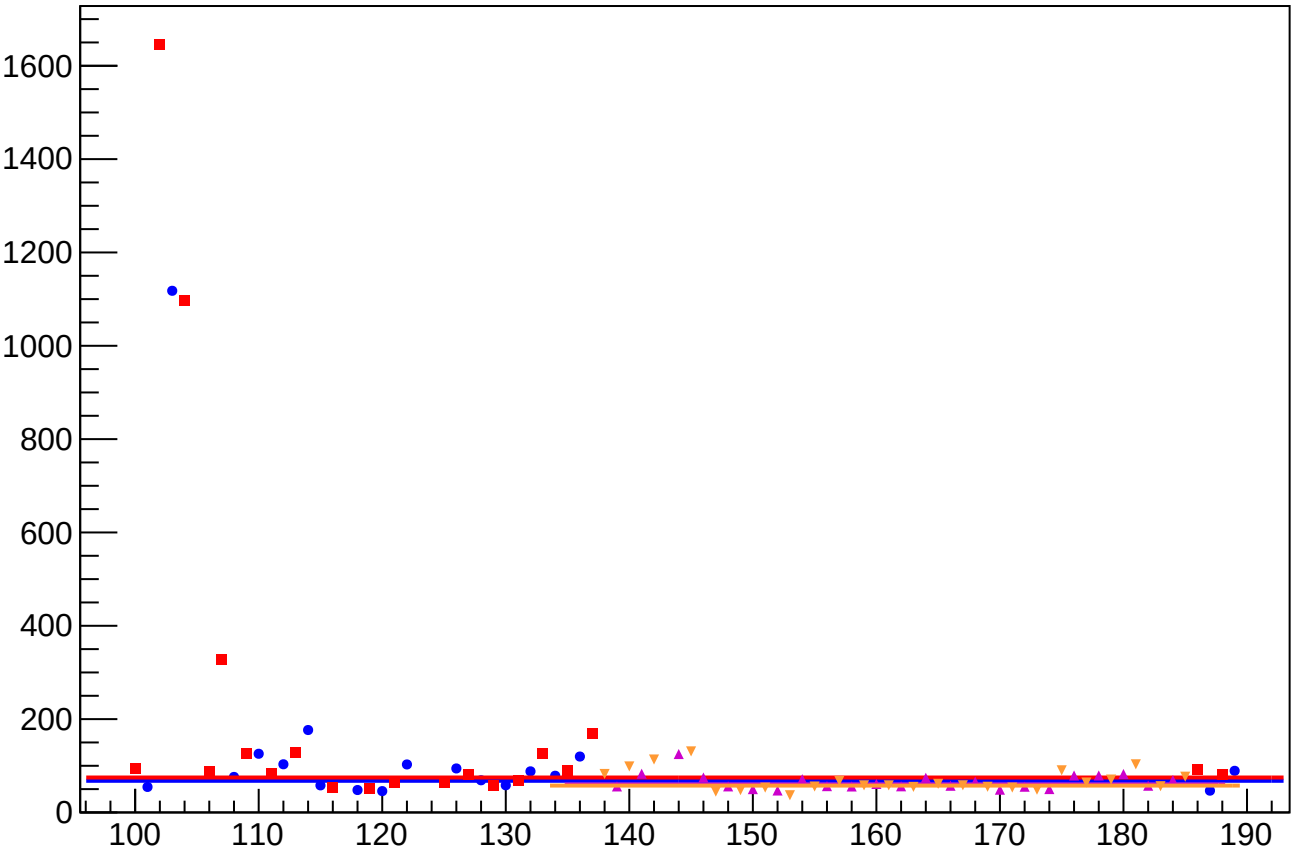
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.011+/-0.021 χ^2/NDF: 27.5/37

In: 0.005+/-0.014 χ^2/NDF:31.5/40

Out: 0.006+/-0.014 χ^2/NDF:46.6/43

All: 0.006+/-0.010 χ^2/NDF: 78.1/84



Right In: 67.838+/-0.020 χ^2/NDF: 2381643.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.881+/-0.022 χ^2/NDF: 2957815.7/19

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

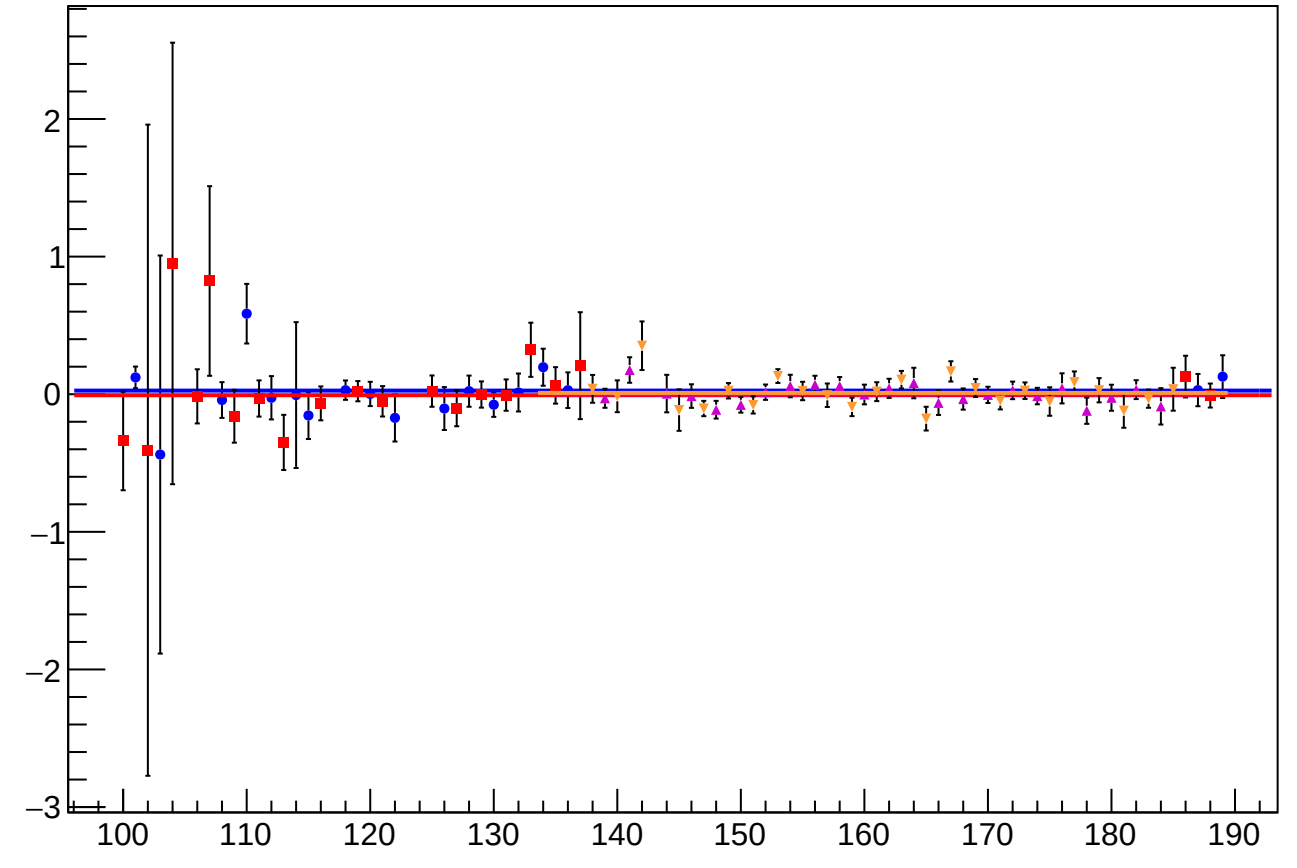
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.133+/-0.015 χ^2/NDF: 5395816.9/37

In: 61.635+/-0.010 χ^2/NDF:3842998.4/40

Out: 60.990+/-0.010 χ^2/NDF:5683313.1/43

All: 61.311+/-0.007 χ^2/NDF: 9528564.8/84



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.031 χ^2/NDF: 11.7/19

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

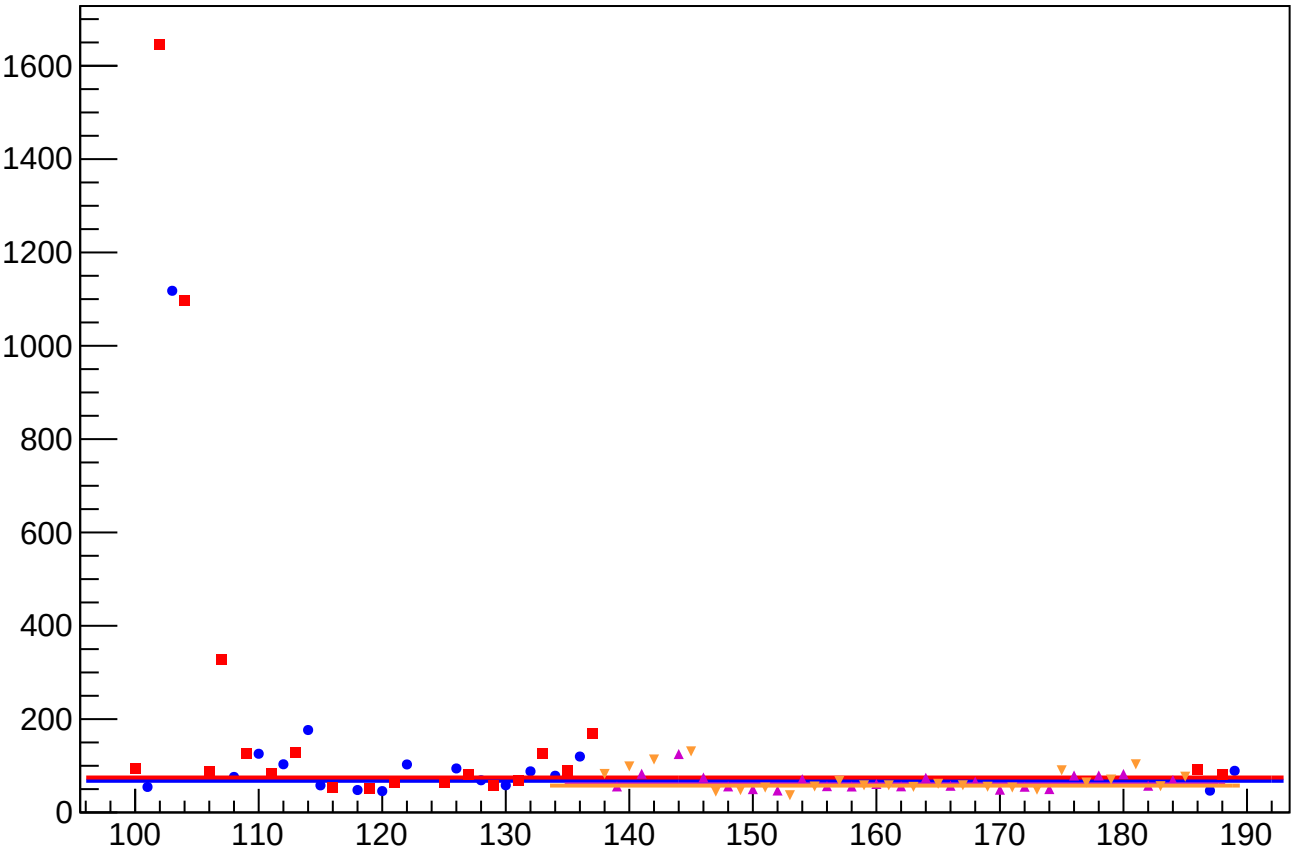
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.011+/-0.021 χ^2/NDF: 27.5/37

In: 0.005+/-0.014 χ^2/NDF:31.5/40

Out: 0.006+/-0.014 χ^2/NDF:46.6/43

All: 0.006+/-0.010 χ^2/NDF: 78.1/84



Right In: 67.838+/-0.020 χ^2/NDF: 2381643.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.881+/-0.022 χ^2/NDF: 2957815.7/19

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

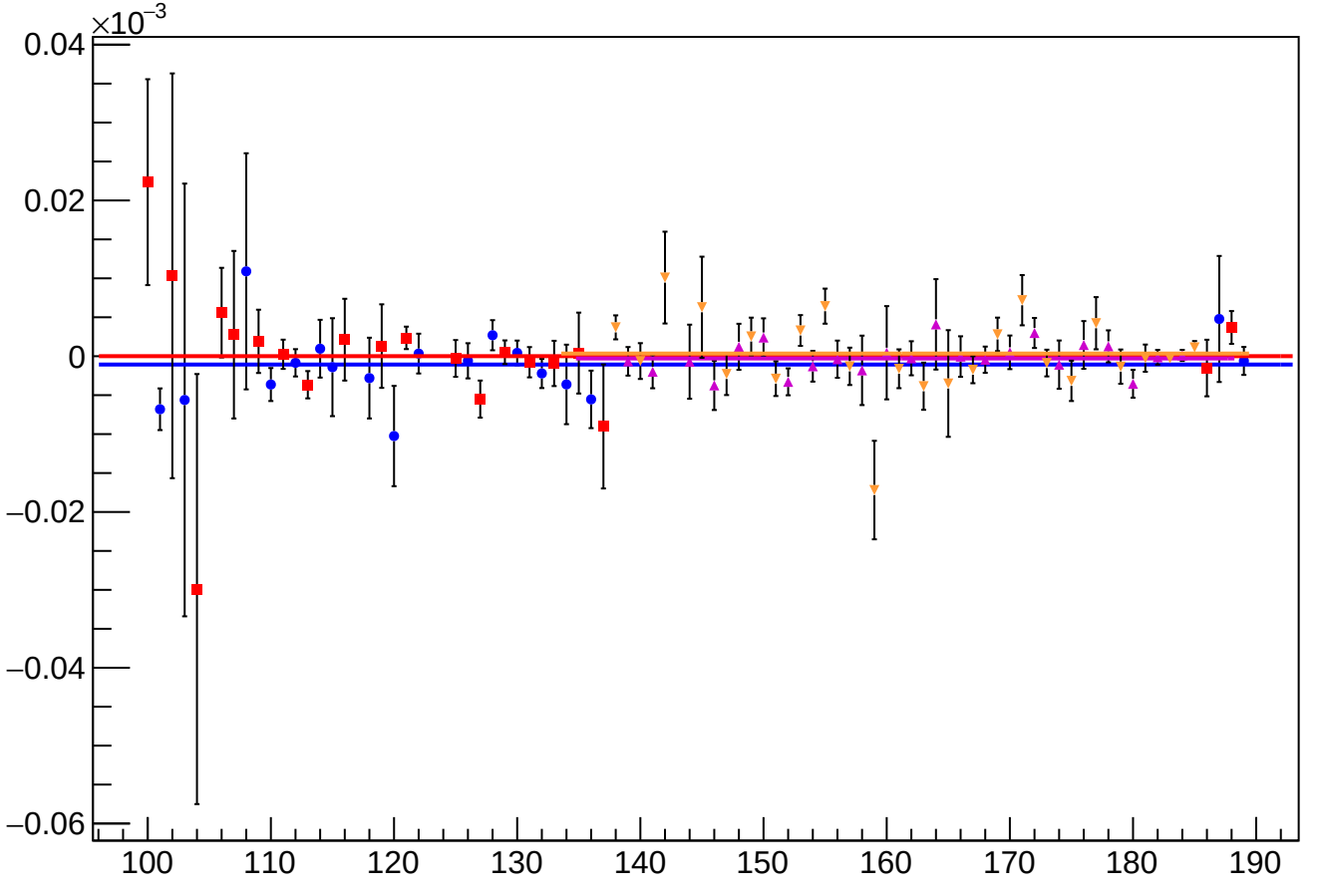
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.133+/-0.015 χ^2/NDF: 5395816.9/37

In: 61.635+/-0.010 χ^2/NDF:3842998.4/40

Out: 60.990+/-0.010 χ^2/NDF:5683313.1/43

All: 61.311+/-0.007 χ^2/NDF: 9528564.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/19

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

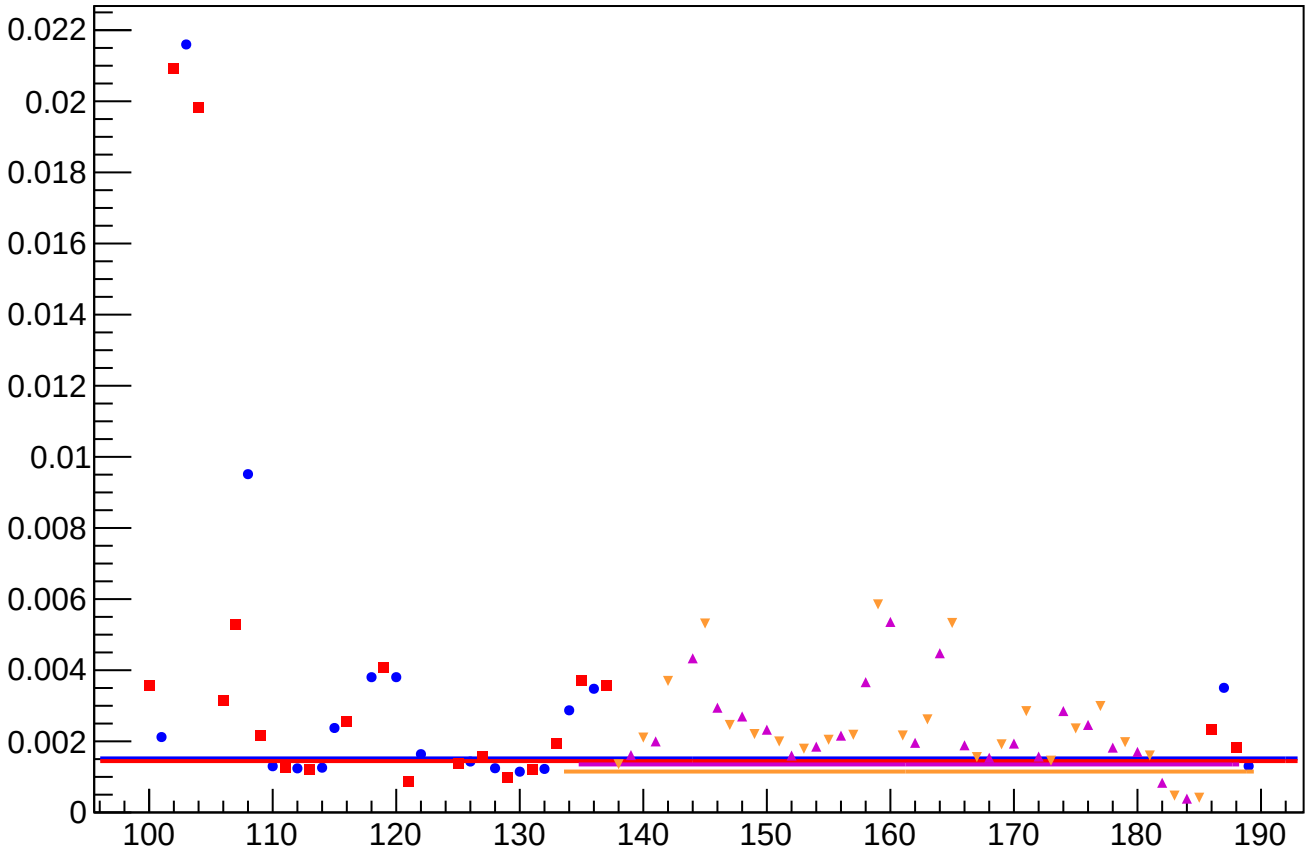
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 41.5/37

In: -0.000+/-0.000 χ^2/NDF:33.0/40

Out: 0.000+/-0.000 χ^2/NDF:70.0/43

All: -0.000+/-0.000 χ^2/NDF: 106.0/84



Right In: 0.002+/-0.000 χ^2/NDF: 3524454.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4470090.5/19

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

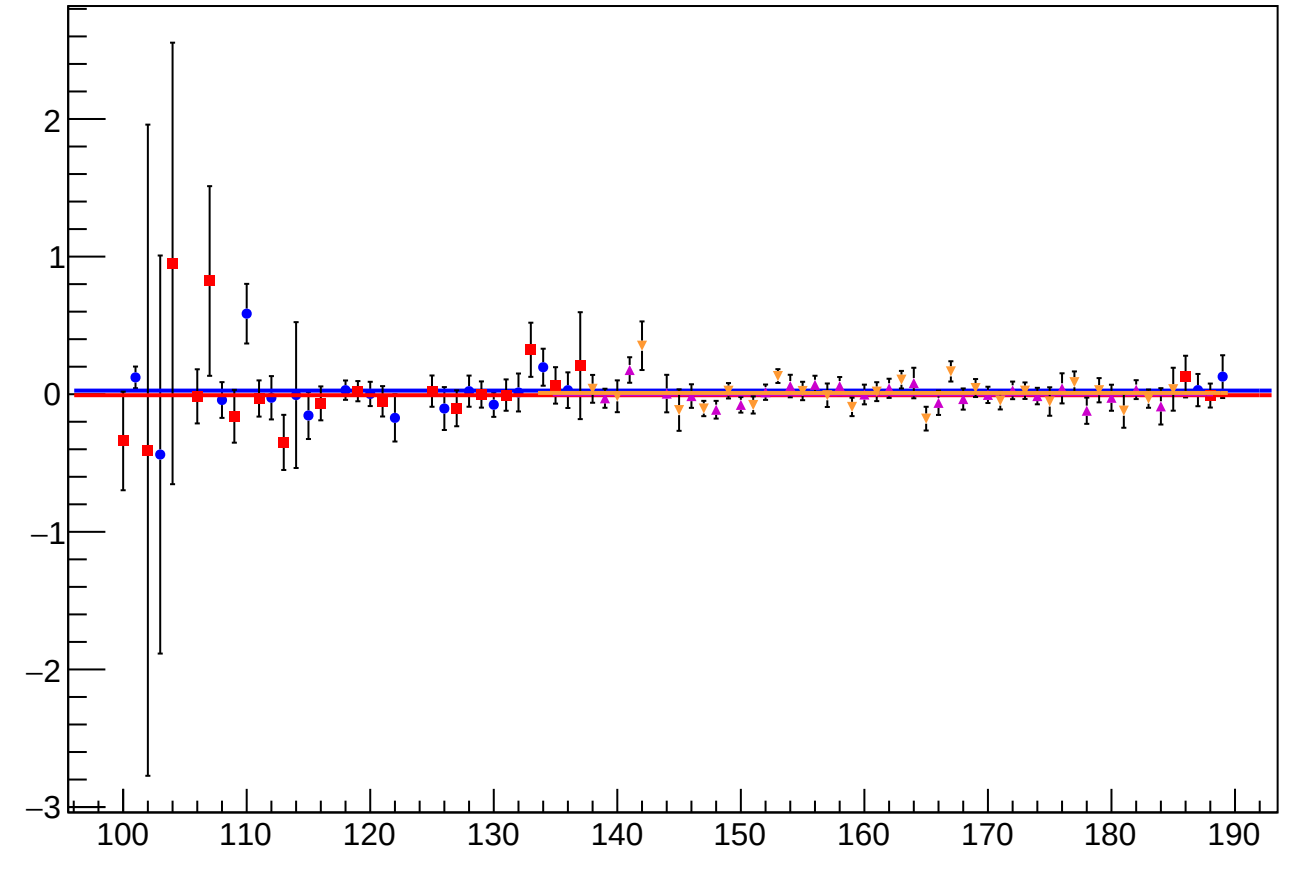
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 8009664.8/37

In: 0.001+/-0.000 χ^2/NDF:13879454.5/40

Out: 0.001+/-0.000 χ^2/NDF:18077837.9/43

All: 0.001+/-0.000 χ^2/NDF: 32269304.4/84



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.031 χ^2/NDF: 11.7/19

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

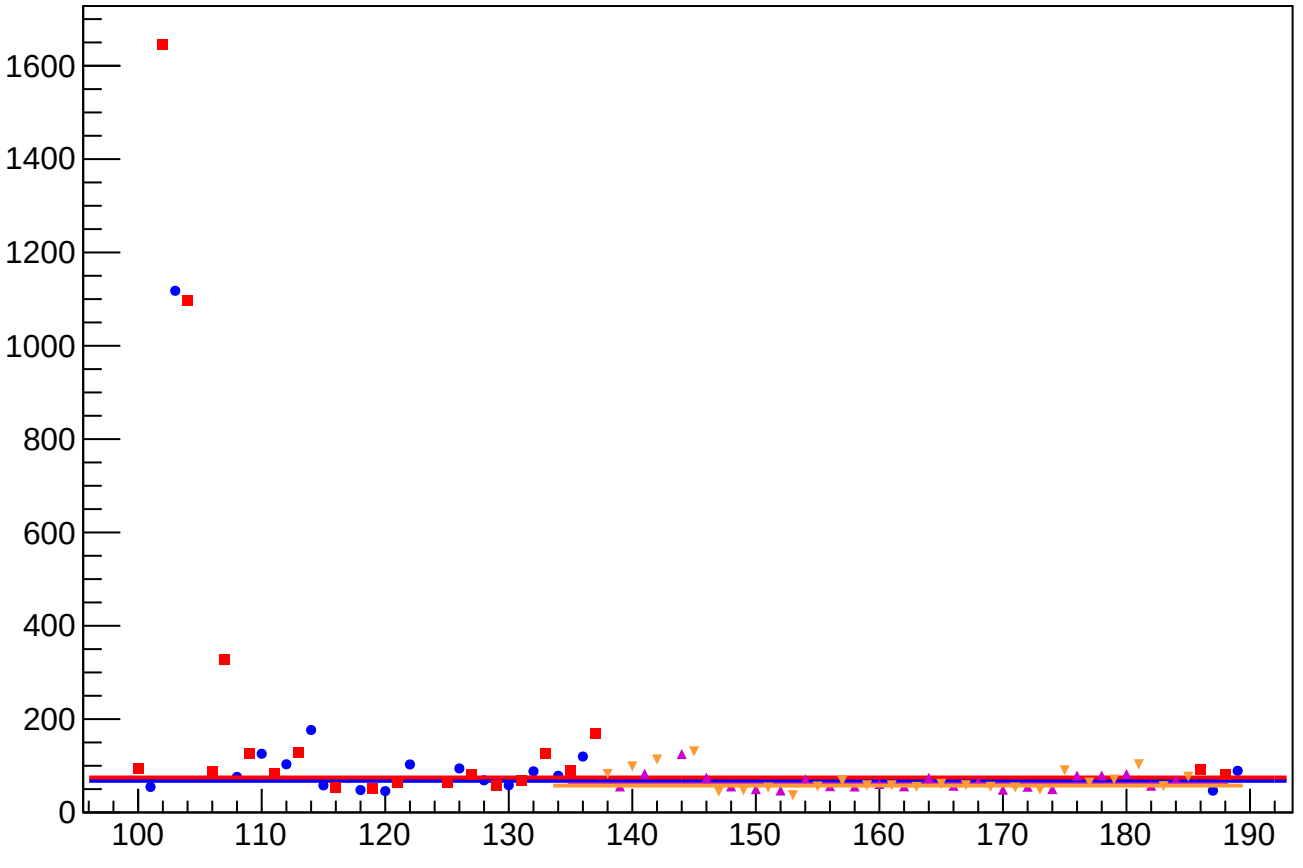
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.011+/-0.021 χ^2/NDF: 27.5/37

In: 0.005+/-0.014 χ^2/NDF:31.5/40

Out: 0.006+/-0.014 χ^2/NDF:46.6/43

All: 0.006+/-0.010 χ^2/NDF: 78.1/84



Right In: 67.837+/-0.020 χ^2/NDF: 2381732.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.880+/-0.022 χ^2/NDF: 2957828.4/19

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

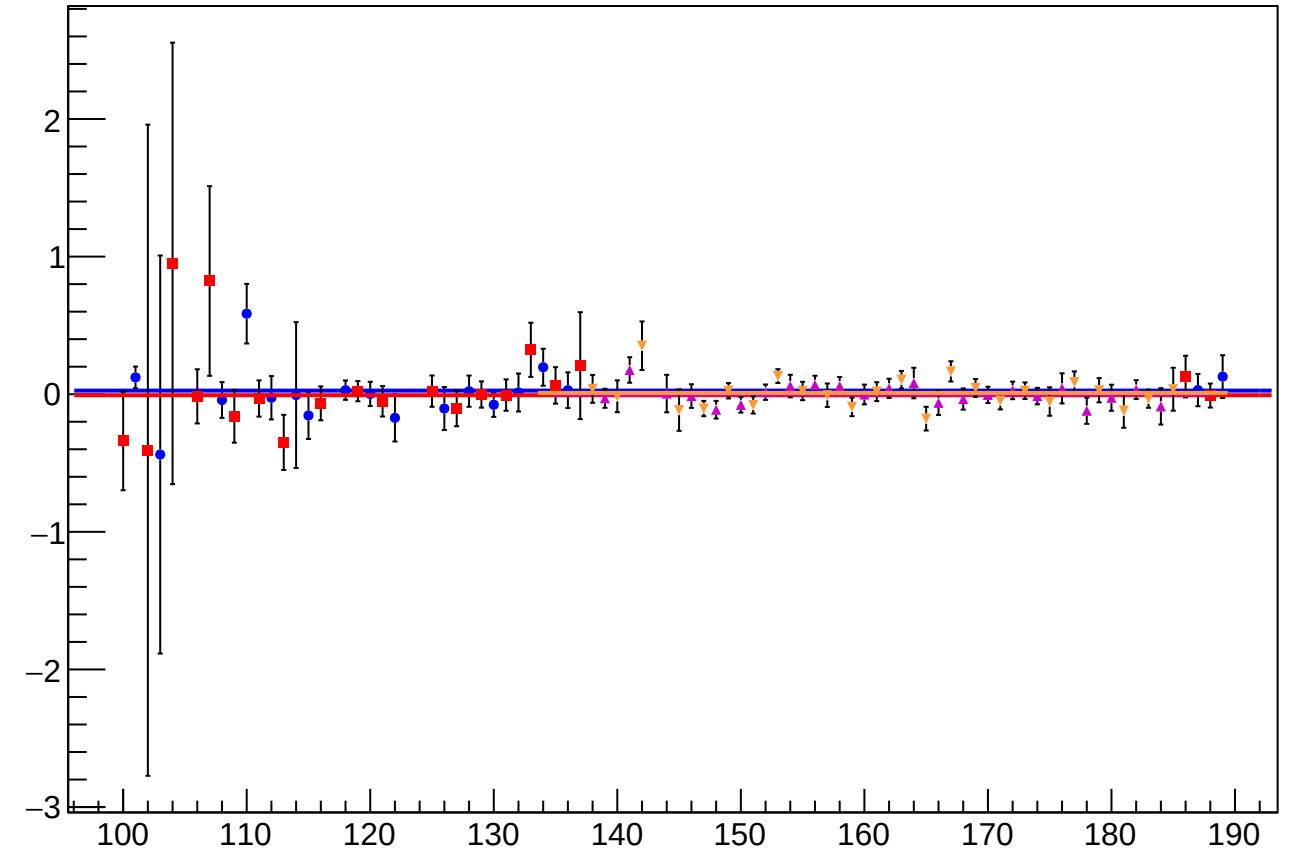
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.133+/-0.015 χ^2/NDF: 5395925.7/37

In: 61.635+/-0.010 χ^2/NDF:3843040.0/40

Out: 60.990+/-0.010 χ^2/NDF:5683371.3/43

All: 61.311+/-0.007 χ^2/NDF: 9528664.7/84



Right In: 0.026+/-0.029 χ^2/NDF: 15.2/17

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.031 χ^2/NDF: 11.7/19

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

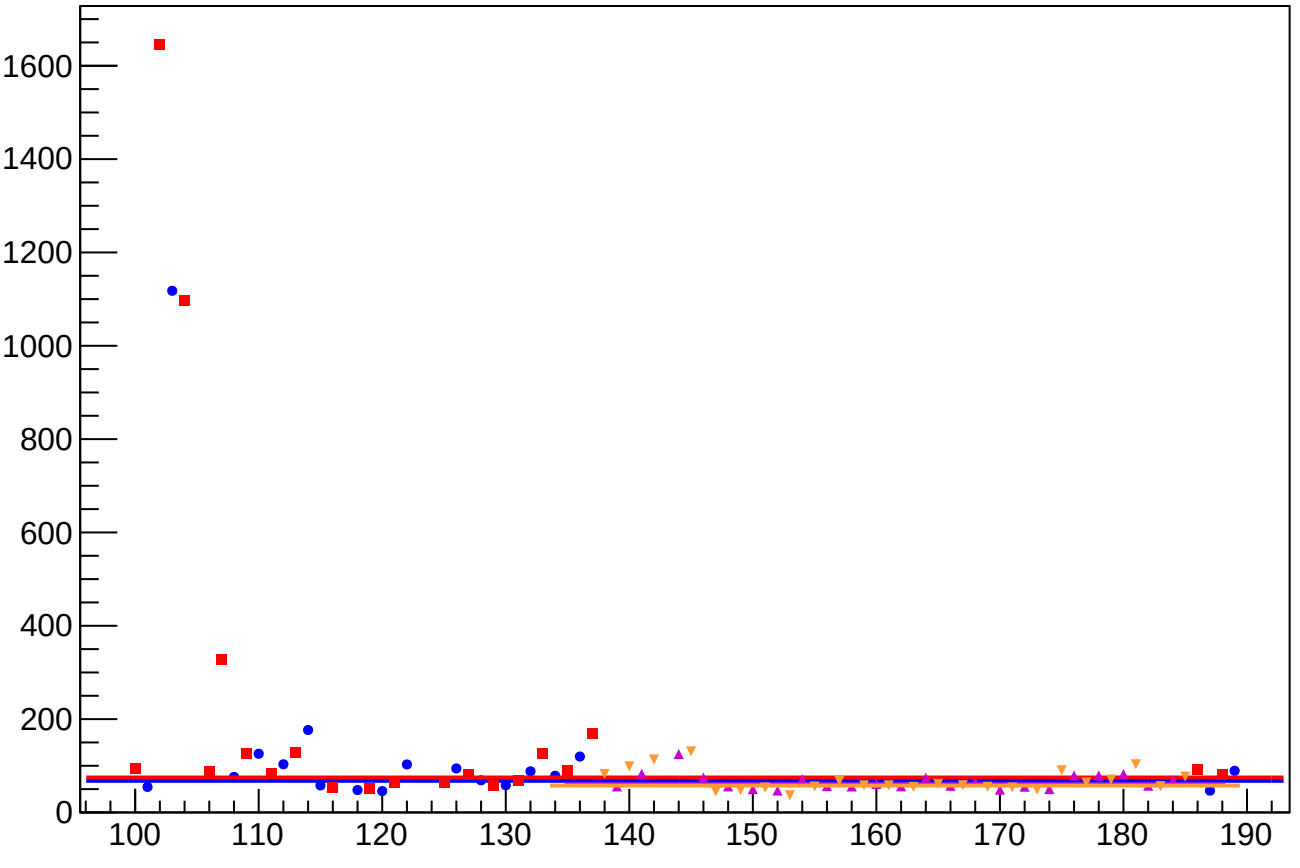
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.011+/-0.021 χ^2/NDF: 27.5/37

In: 0.005+/-0.014 χ^2/NDF:31.5/40

Out: 0.006+/-0.014 χ^2/NDF:46.6/43

All: 0.006+/-0.010 χ^2/NDF: 78.1/84



Right In: 67.837+/-0.020 χ^2/NDF: 2381732.5/17

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.880+/-0.022 χ^2/NDF: 2957828.4/19

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

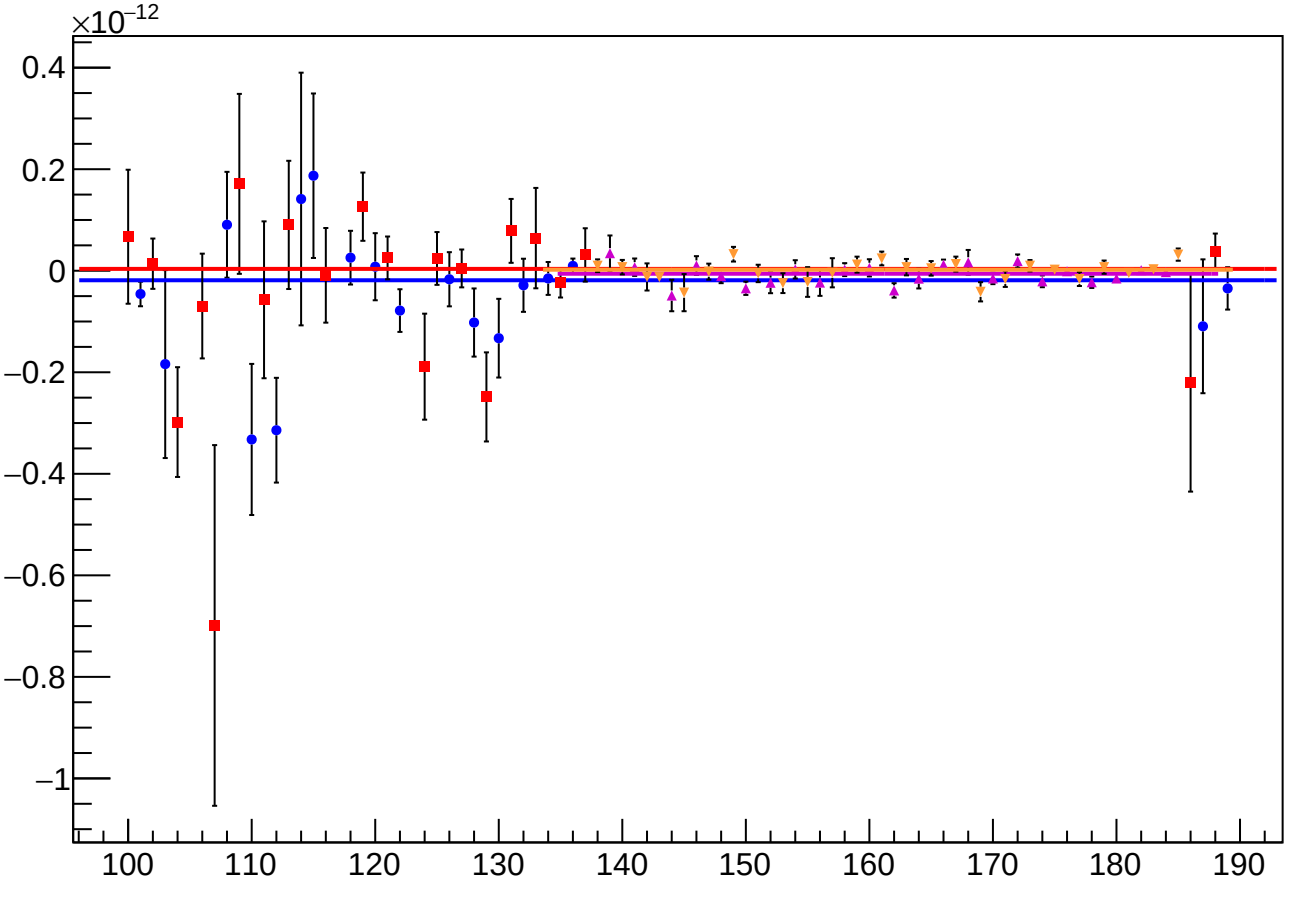
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.133+/-0.015 χ^2/NDF: 5395925.7/37

In: 61.635+/-0.010 χ^2/NDF:3843040.0/40

Out: 60.990+/-0.010 χ^2/NDF:5683371.3/43

All: 61.311+/-0.007 χ^2/NDF: 9528664.7/84



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/20

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

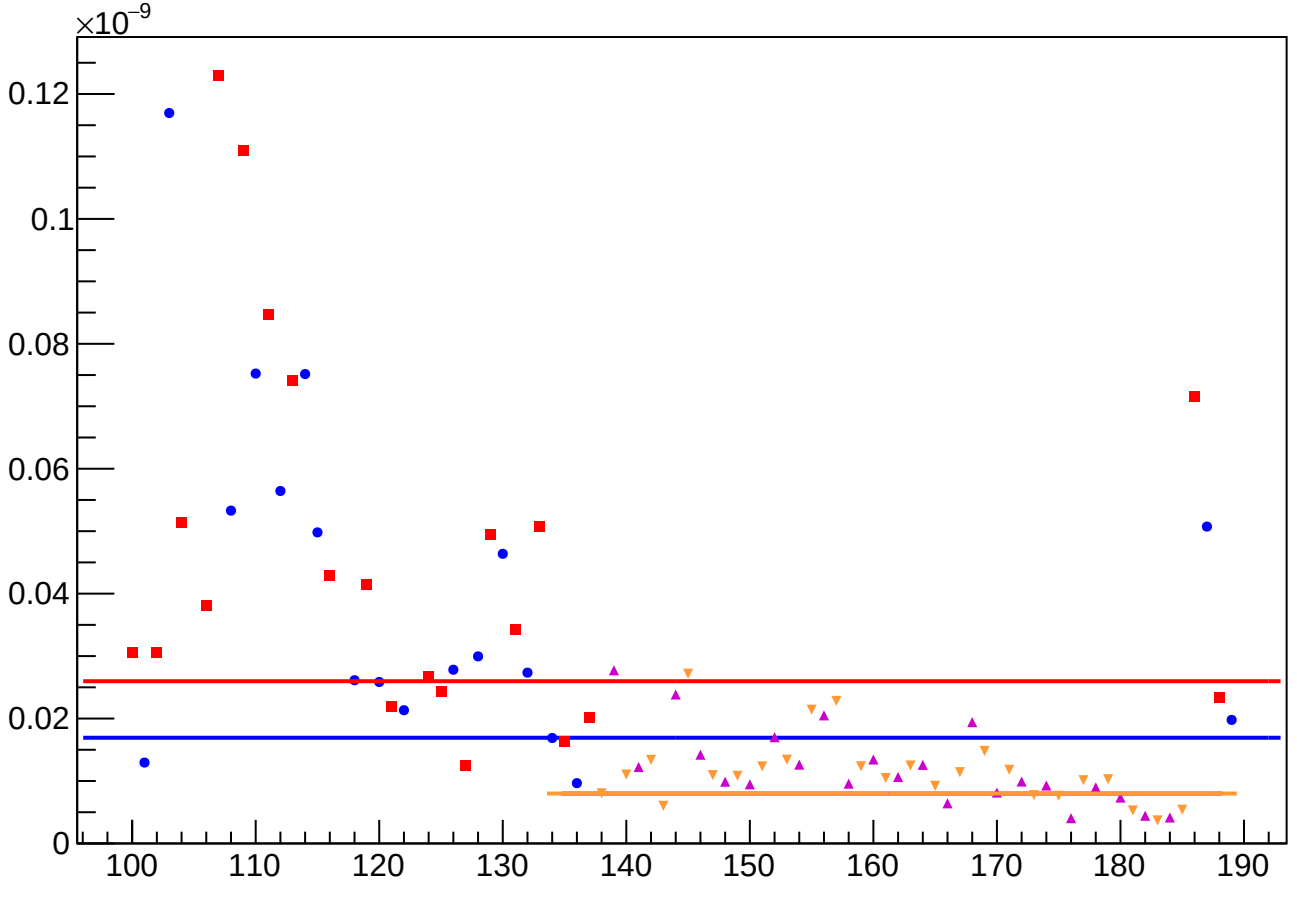
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/38

In: -0.000+/-0.000 χ^2/NDF:63.1/40

Out: 0.000+/-0.000 χ^2/NDF:66.4/45

All: -0.000+/-0.000 χ^2/NDF: 136.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 2966955.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2448901.9/20

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

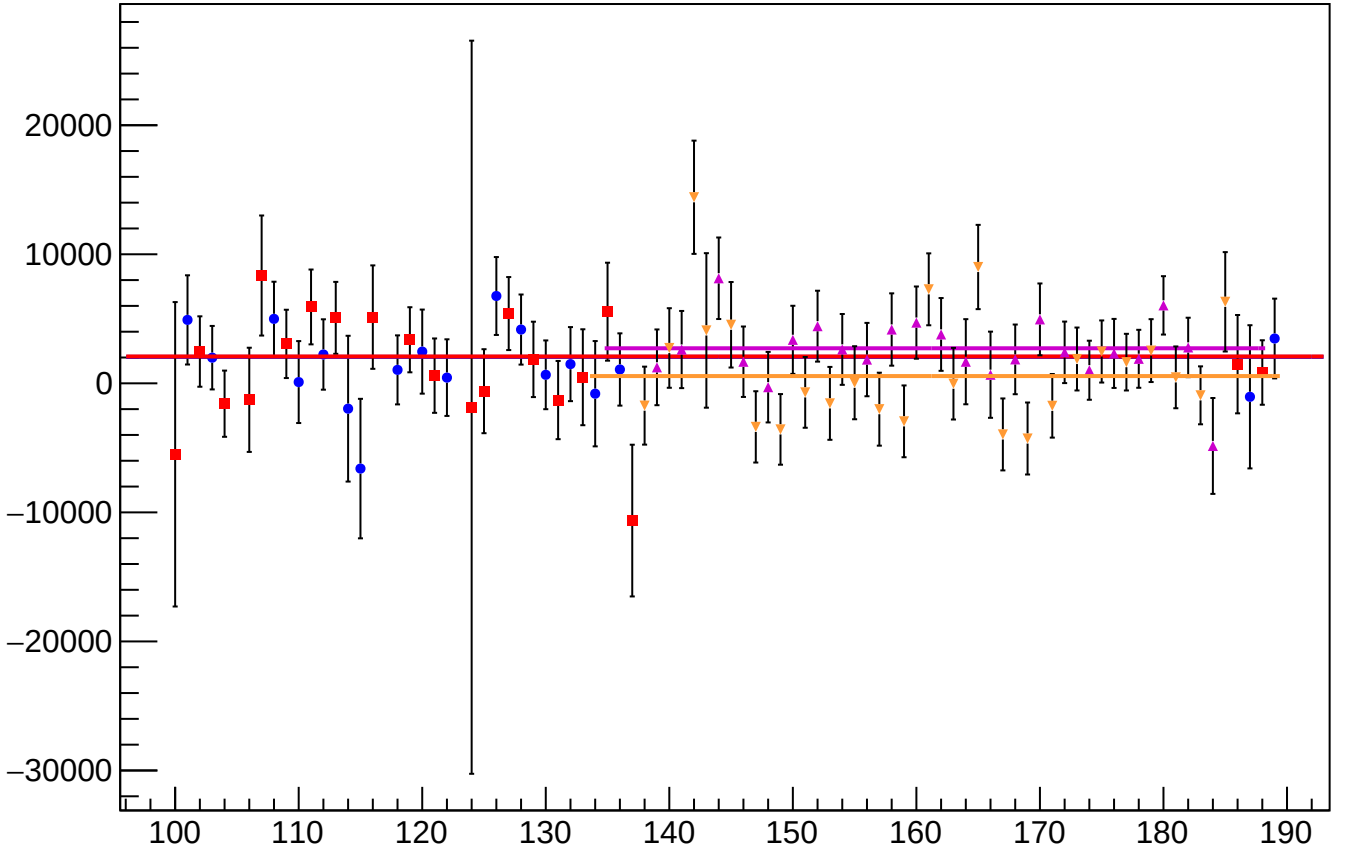
Right: 0.000+/-0.000 χ^2/NDF: 6030346.7/38

In: 0.000+/-0.000 χ^2/NDF:9747040.2/40

Out: 0.000+/-0.000 χ^2/NDF:10950956.1/45

All: 0.000+/-0.000 χ^2/NDF: 20698195.5/86

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2050.932+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2080.078+/-711.015 χ^2/NDF: 18.4/20

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

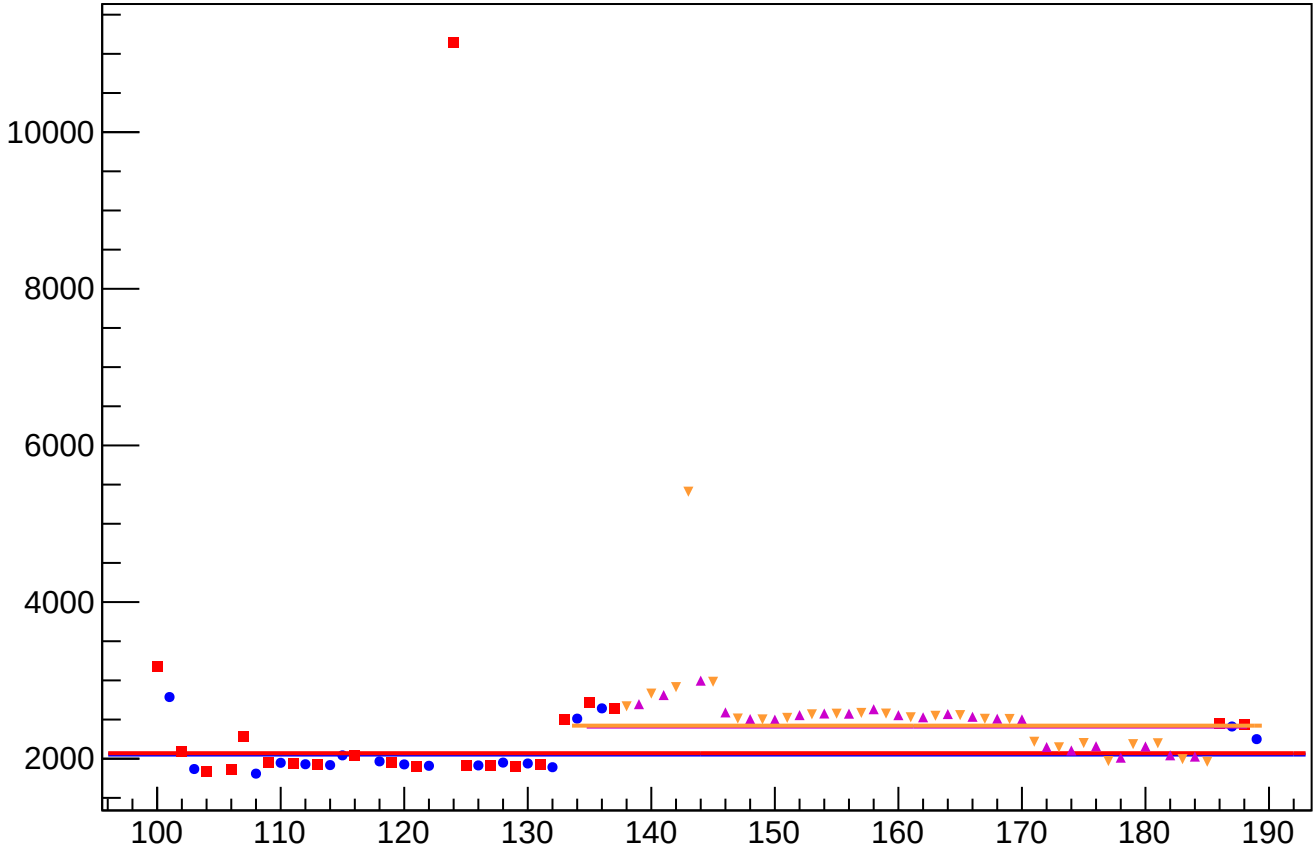
Right: 2065.997+/-511.181 χ^2/NDF: 28.6/38

In: 2468.626+/-448.644 χ^2/NDF:24.9/40

Out: 1139.980+/-438.629 χ^2/NDF:65.2/45

All: 1789.307+/-313.638 χ^2/NDF: 94.6/86

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.7/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.494+/-0.503 χ^2/NDF: 462712.7/20

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

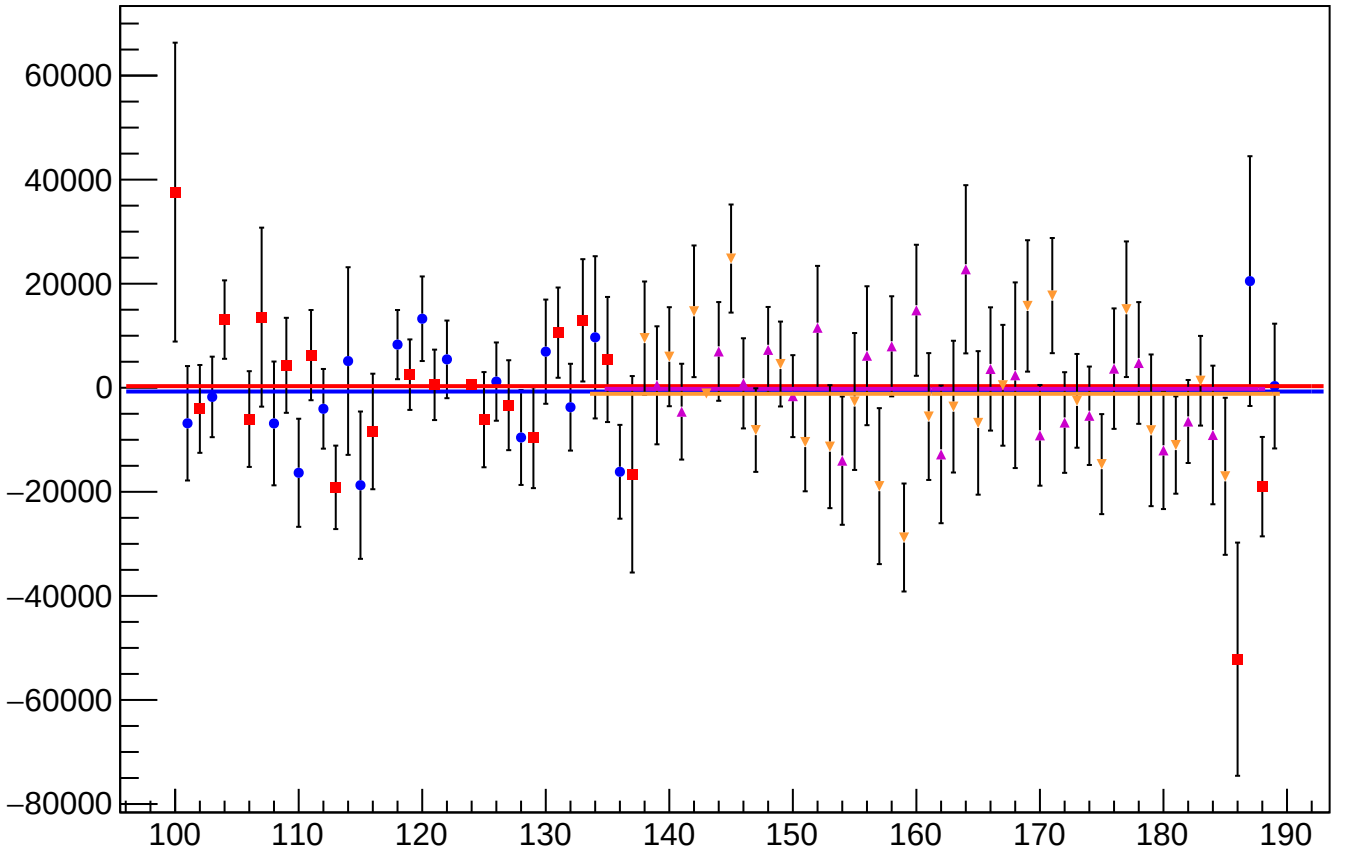
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2062.052+/-0.361 χ^2/NDF: 743952.0/38

In: 2277.040+/-0.317 χ^2/NDF:1004578.9/40

Out: 2288.321+/-0.310 χ^2/NDF:1718613.3/45

All: 2282.807+/-0.222 χ^2/NDF: 2723838.7/86



Right In: -721.465+/-2228.803 χ^2/NDF: 16.1/17

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 310.753+/-765.368 χ^2/NDF: 28.1/20

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

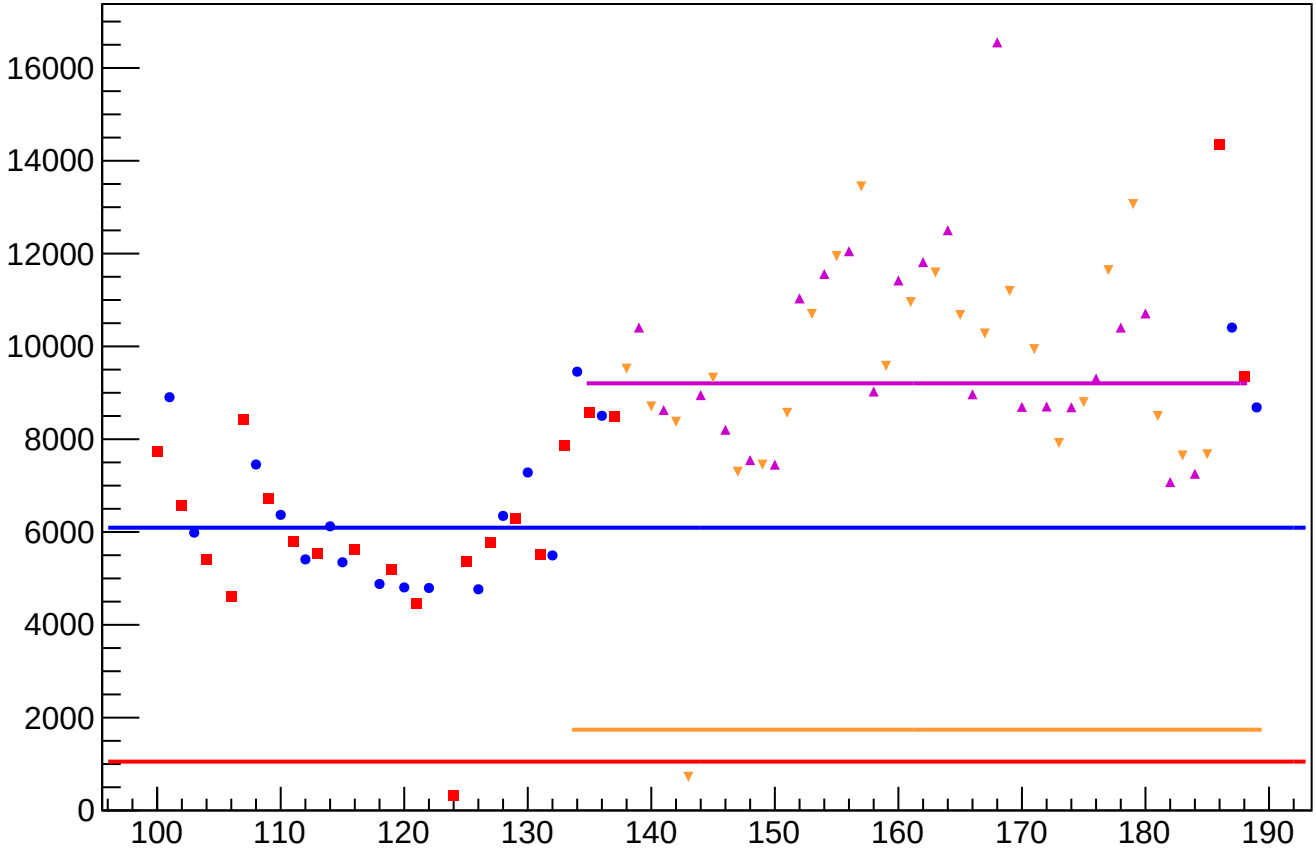
Right: 201.871+/-723.876 χ^2/NDF: 44.4/38

In: -461.656+/-1563.935 χ^2/NDF:29.6/40

Out: -431.031+/-538.500 χ^2/NDF:61.9/45

All: -434.277+/-509.162 χ^2/NDF: 91.4/86

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 6093.256+/-1.576 χ^2/NDF: 854028.5/17

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1052.591+/-0.541 χ^2/NDF: 13644799.3/20

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

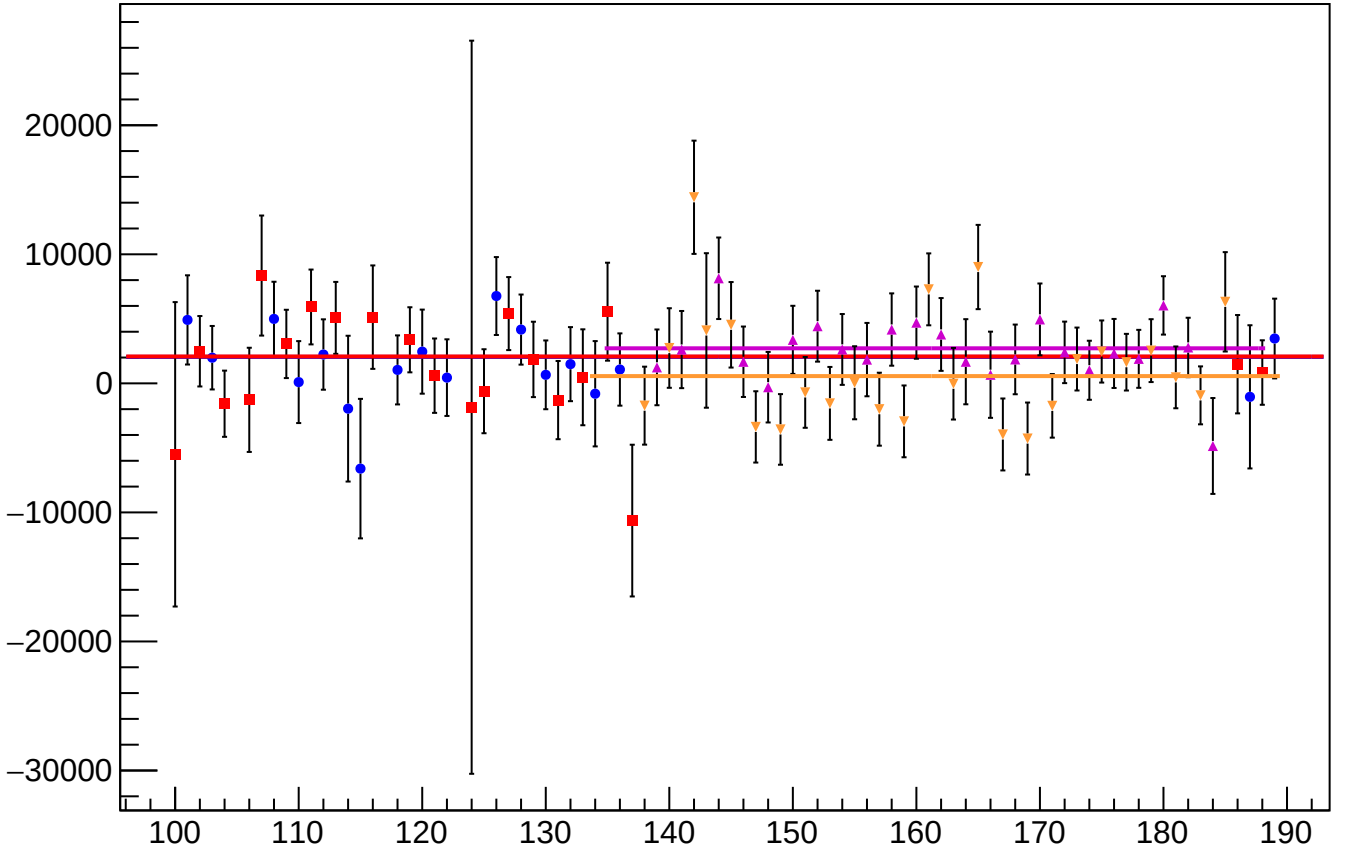
Right: 1584.298+/-0.512 χ^2/NDF: 23649448.9/38

In: 7672.233+/-1.106 χ^2/NDF:4103485.9/40

Out: 1399.556+/-0.381 χ^2/NDF:42192794.0/45

All: 2064.413+/-0.360 χ^2/NDF: 75059641.4/8

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2051.100+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2081.698+/-711.021 χ^2/NDF: 18.4/20

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

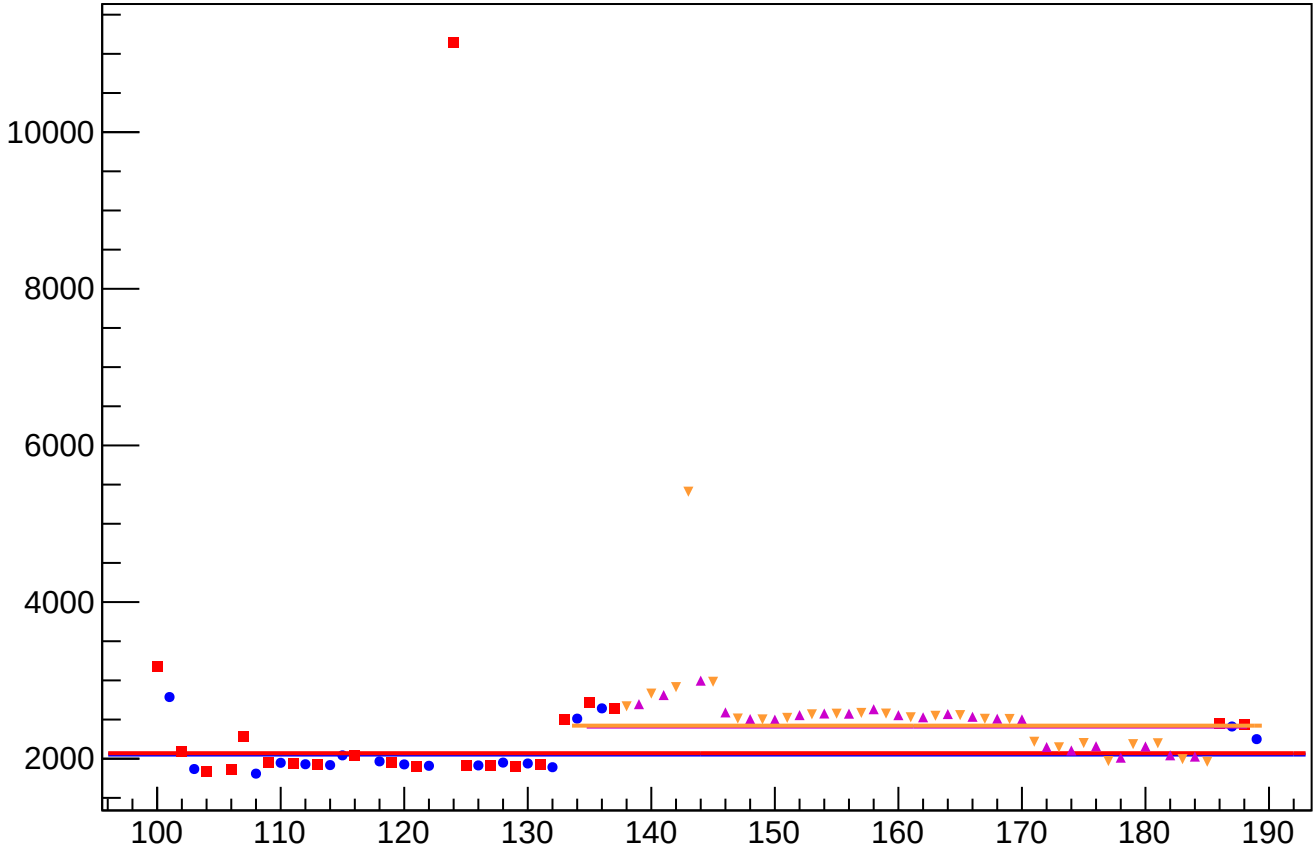
Right: 2066.916+/-511.183 χ^2/NDF: 28.6/38

In: 2468.665+/-448.644 χ^2/NDF:24.9/40

Out: 1140.591+/-438.630 χ^2/NDF:65.2/45

All: 1789.641+/-313.639 χ^2/NDF: 94.6/86

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.5/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.514+/-0.503 χ^2/NDF: 462716.8/20

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

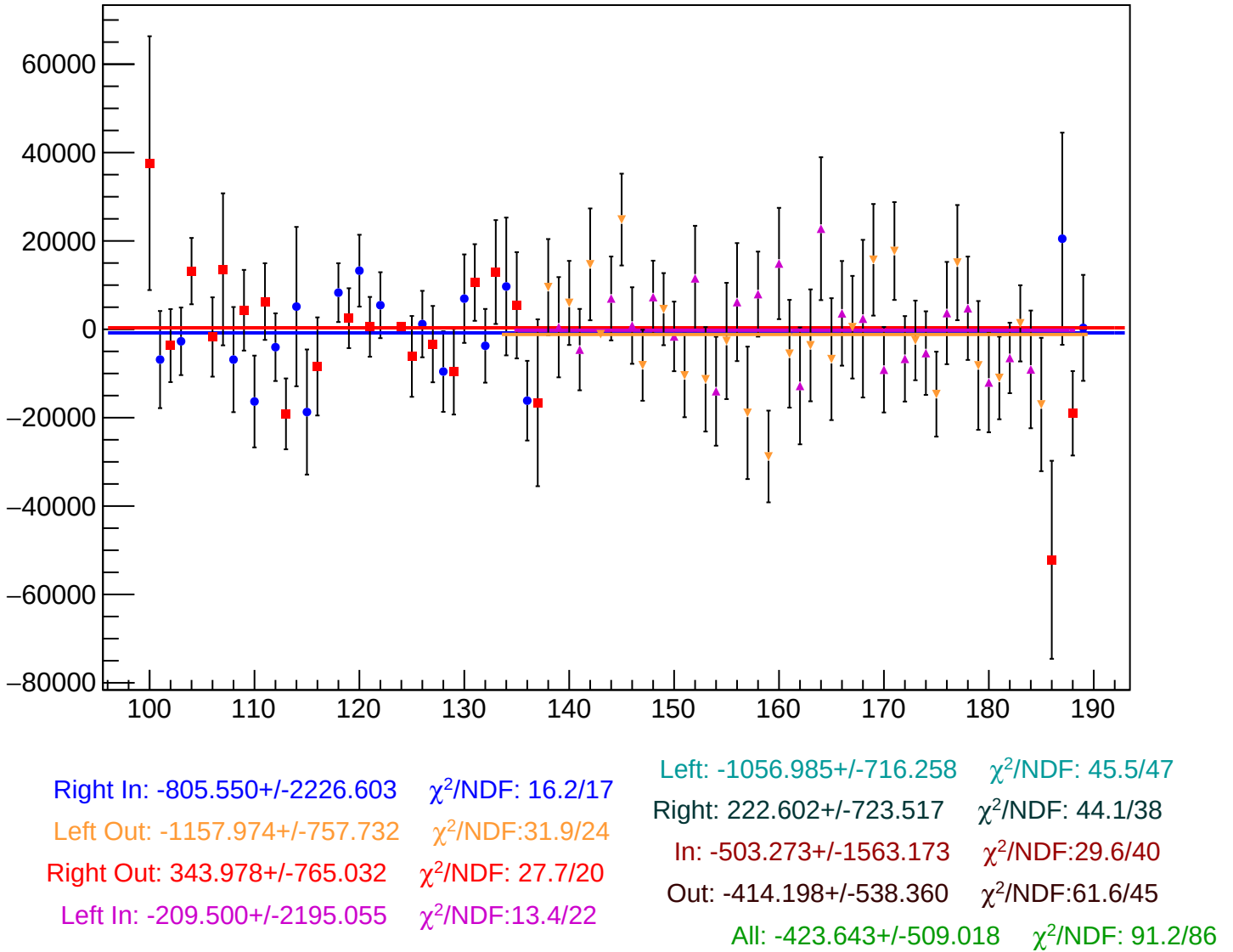
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2062.062+/-0.361 χ^2/NDF: 743957.3/38

In: 2277.040+/-0.317 χ^2/NDF:1004579.0/40

Out: 2288.330+/-0.310 χ^2/NDF:1718579.8/45

All: 2282.812+/-0.222 χ^2/NDF: 2723806.4/86


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
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−40000
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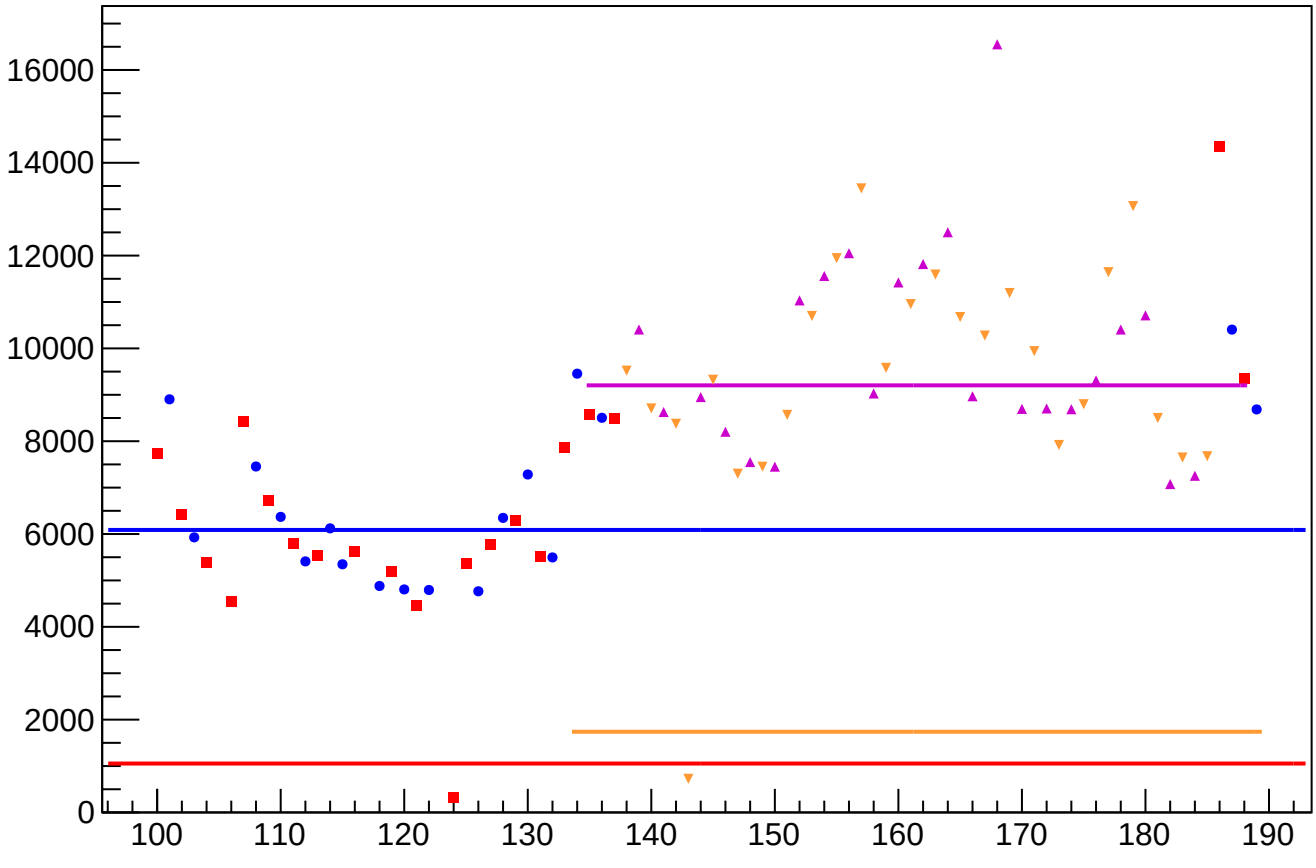
150
160
170
180
190
Right In: -805.550+/-2226.603 χ²/NDF: 16.2/17
Left Out: -1157.974+/-757.732 χ²/NDF:31.9/24
Right Out: 343.978+/-765.032 χ²/NDF: 27.7/20
Left In: -209.500+/-2195.055 χ²/NDF:13.4/22
Left: -1056.985+/-716.258 χ²/NDF: 45.5/47
Right: 222.602+/-723.517 χ²/NDF: 44.1/38
In: -503.273+/-1563.173 χ²/NDF:29.6/40
Out: -414.198+/-538.360 χ²/NDF:61.6/45
All: -423.643+/-509.018 χ²/NDF: 91.2/86



Right In: 6088.054+/-1.574 χ^2/NDF: 854443.1/17

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1054.245+/-0.541 χ^2/NDF: 13640155.3/20

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

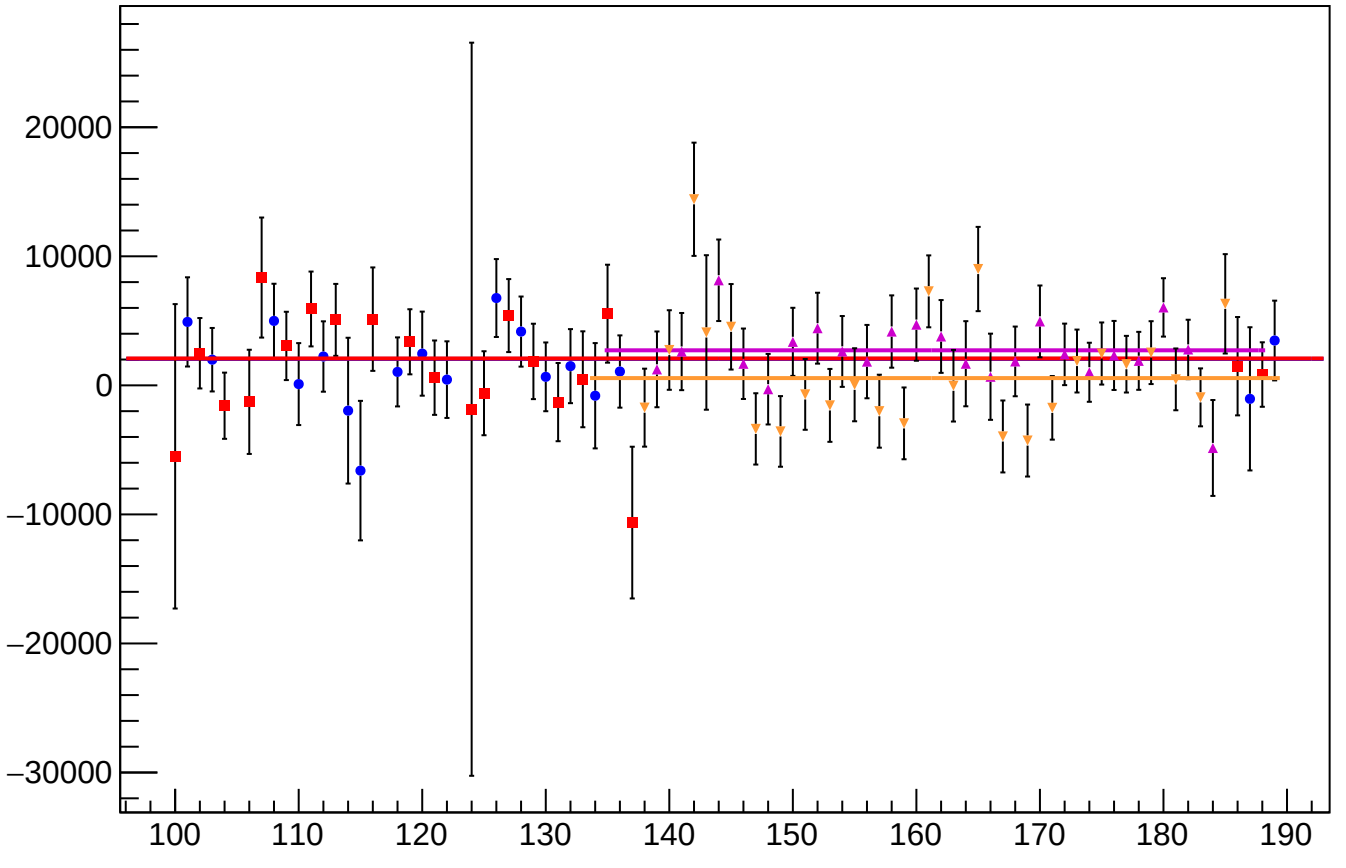
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1585.751+/-0.512 χ^2/NDF: 23637329.5/38

In: 7668.127+/-1.105 χ^2/NDF:4112508.3/40

Out: 1400.136+/-0.381 χ^2/NDF:42185154.2/45

All: 2064.766+/-0.360 χ^2/NDF: 75044696.0/8



Right In: 2051.100+/-735.442 χ^2/NDF: 10.1/17

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2081.698+/-711.021 χ^2/NDF: 18.4/20

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

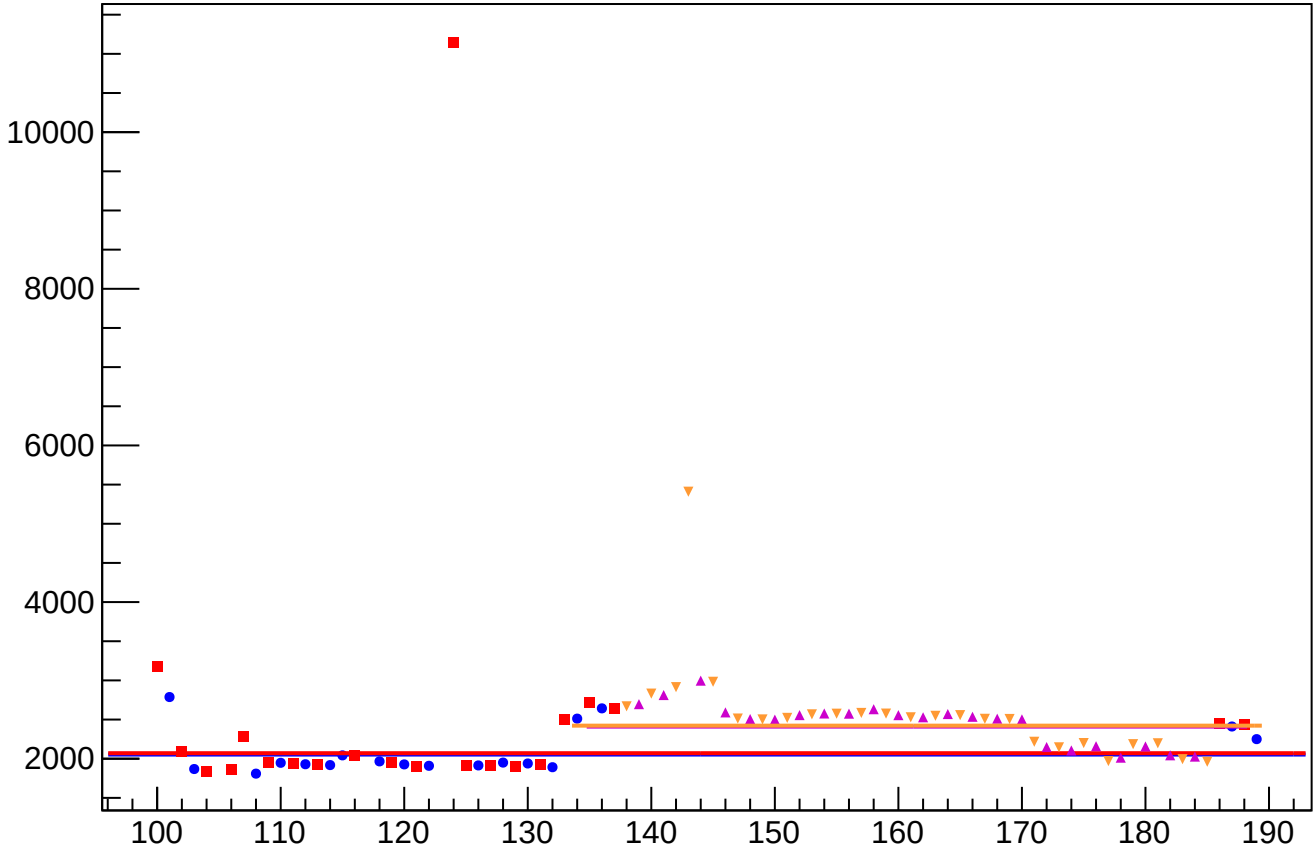
Right: 2066.916+/-511.183 χ^2/NDF: 28.6/38

In: 2468.665+/-448.644 χ^2/NDF:24.9/40

Out: 1140.591+/-438.630 χ^2/NDF:65.2/45

All: 1789.641+/-313.639 χ^2/NDF: 94.6/86

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2053.020+/-0.520 χ^2/NDF: 280655.5/17

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.514+/-0.503 χ^2/NDF: 462716.8/20

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

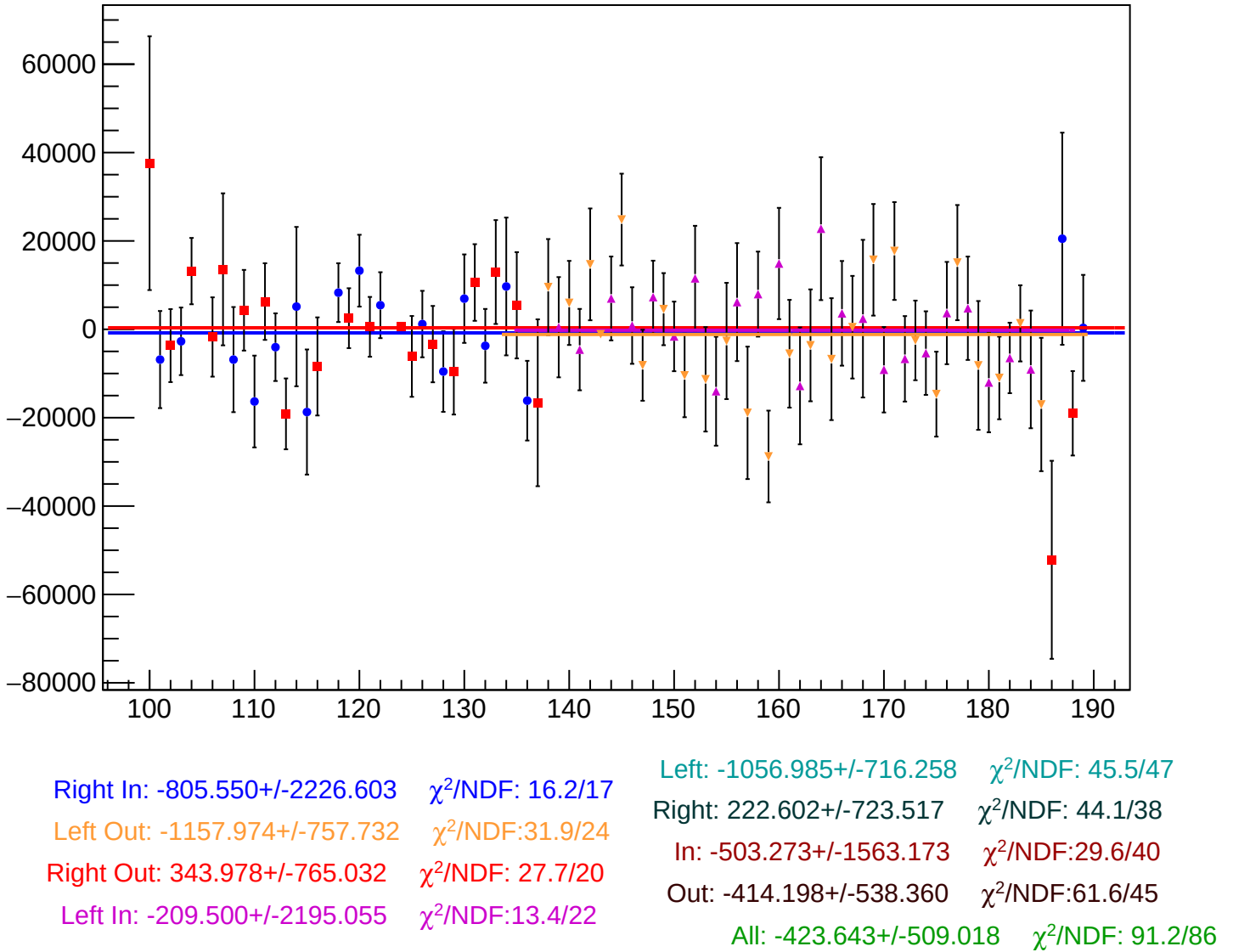
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2062.062+/-0.361 χ^2/NDF: 743957.3/38

In: 2277.040+/-0.317 χ^2/NDF:1004579.0/40

Out: 2288.330+/-0.310 χ^2/NDF:1718579.8/45

All: 2282.812+/-0.222 χ^2/NDF: 2723806.4/86


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
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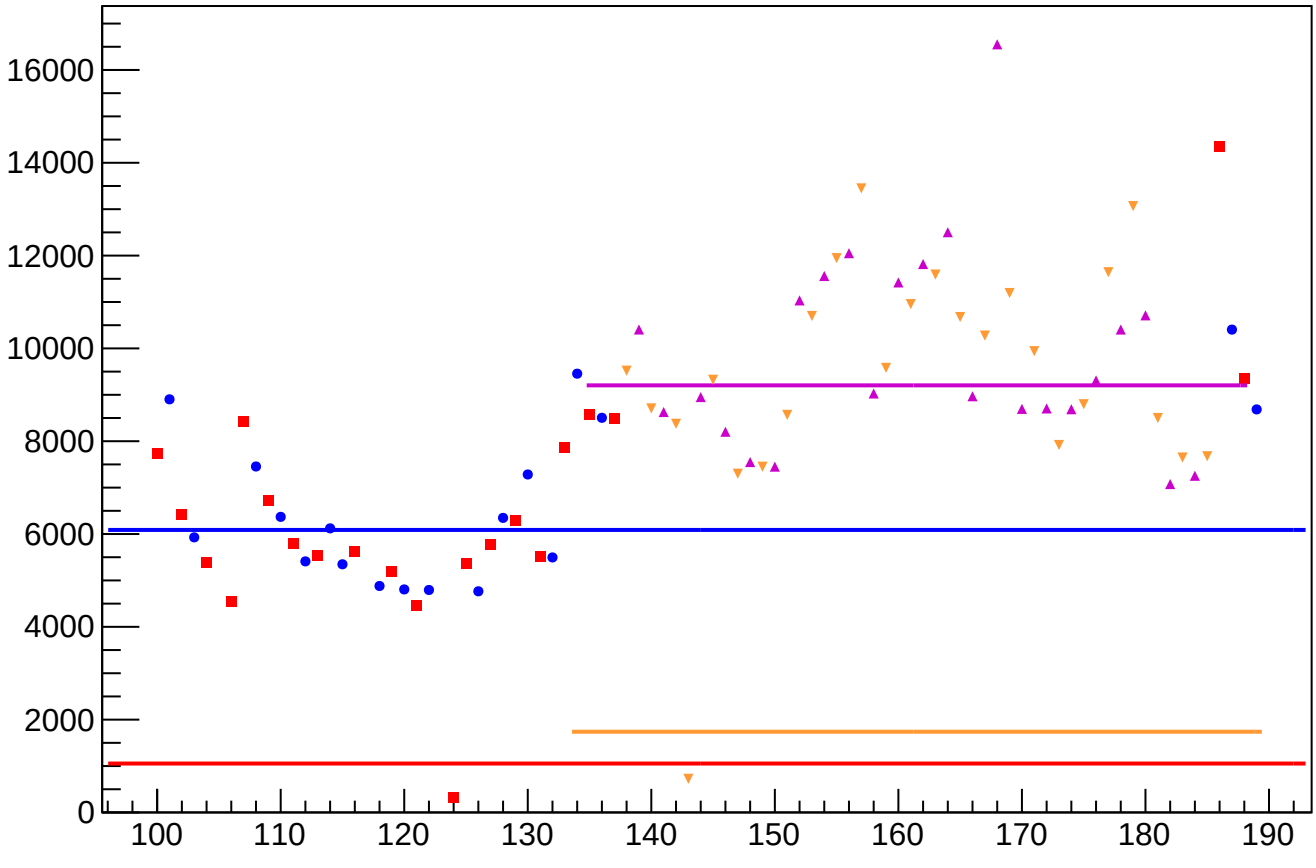
190
Right In: -805.550+/-2226.603 χ²/NDF: 16.2/17
Left Out: -1157.974+/-757.732 χ²/NDF:31.9/24
Right Out: 343.978+/-765.032 χ²/NDF: 27.7/20
Left In: -209.500+/-2195.055 χ²/NDF:13.4/22
Left: -1056.985+/-716.258 χ²/NDF: 45.5/47
Right: 222.602+/-723.517 χ²/NDF: 44.1/38
In: -503.273+/-1563.173 χ²/NDF:29.6/40
Out: -414.198+/-538.360 χ²/NDF:61.6/45
All: -423.643+/-509.018 χ²/NDF: 91.2/86



Right In: 6088.054+/-1.574 χ^2/NDF: 854443.1/17

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1054.245+/-0.541 χ^2/NDF: 13640155.3/20

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

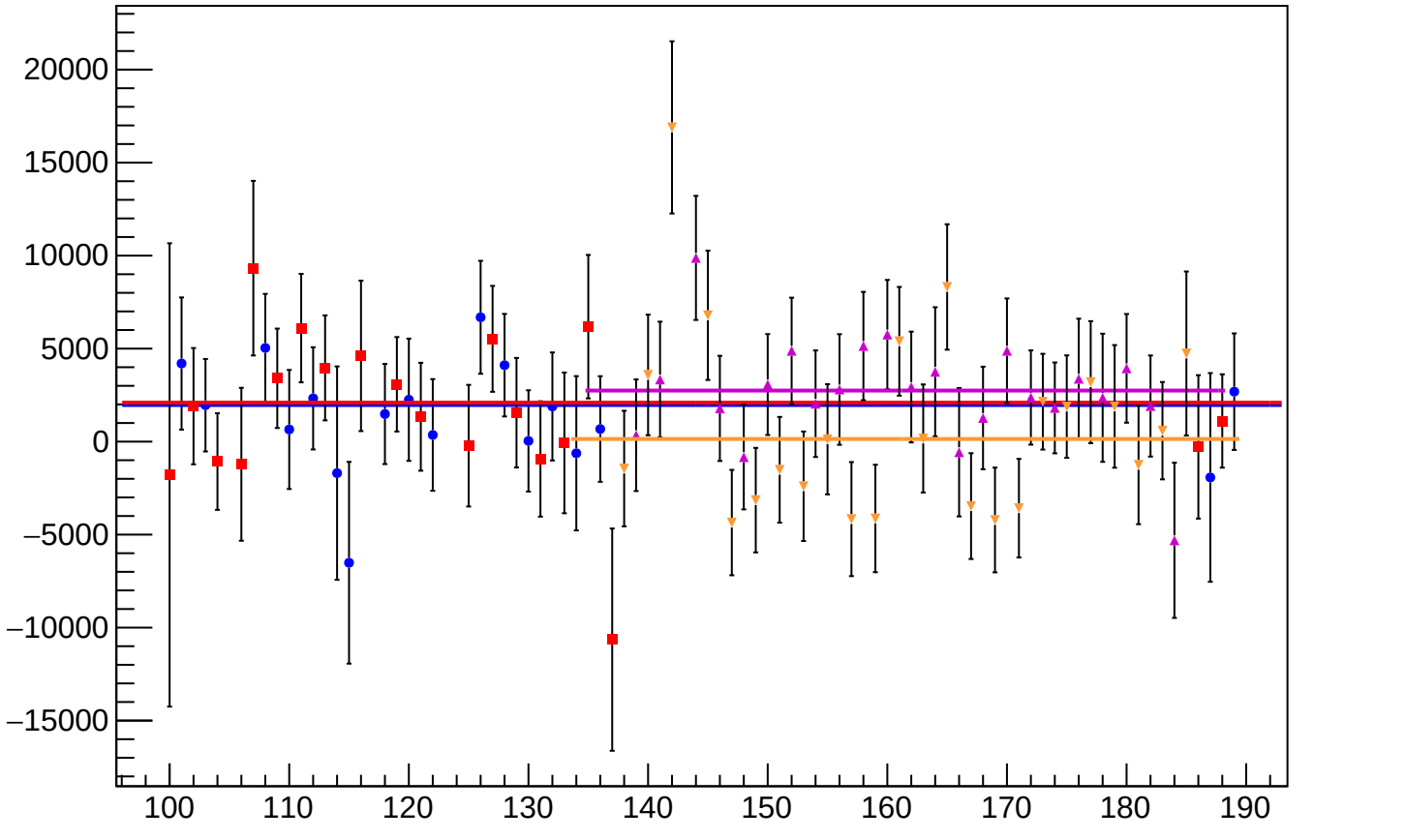
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1585.751+/-0.512 χ^2/NDF: 23637329.5/38

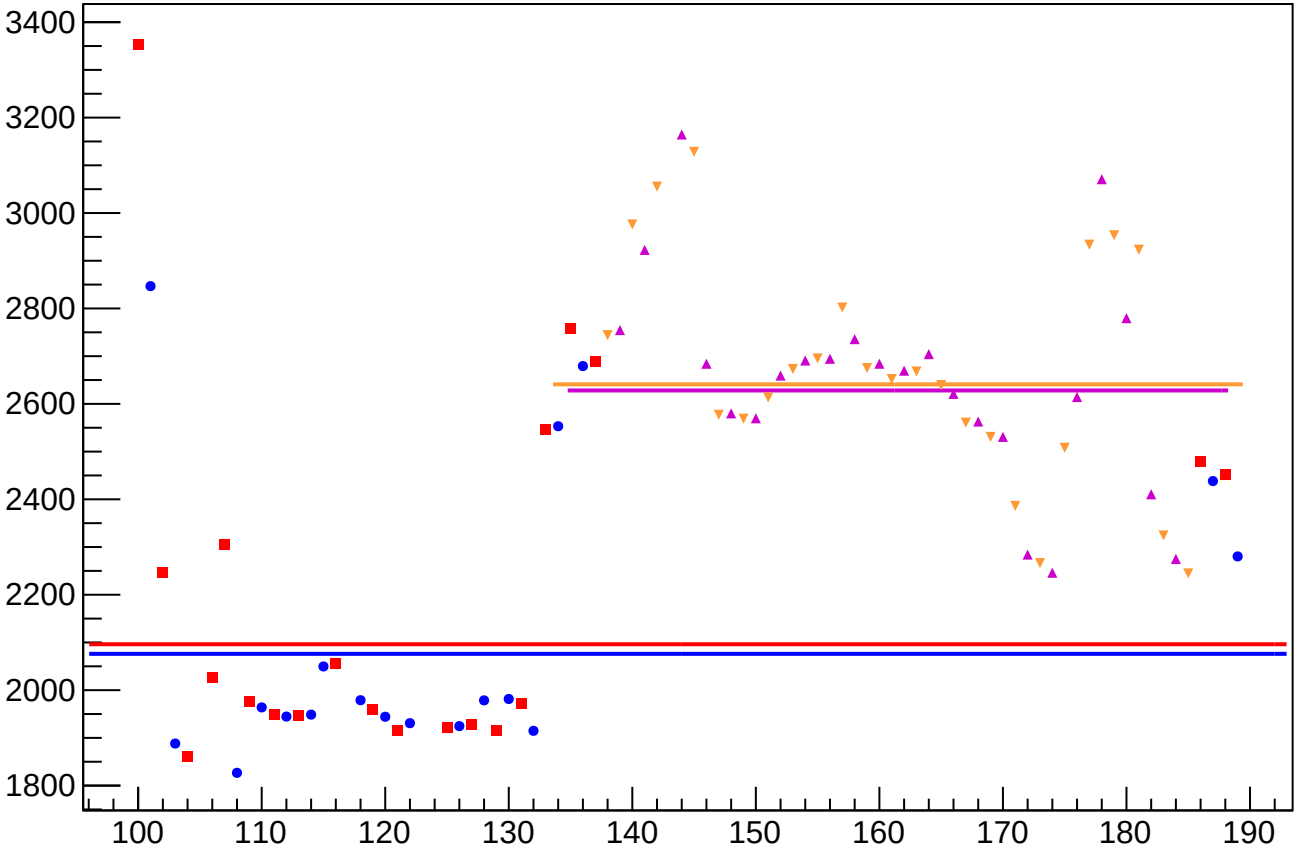
In: 7668.127+/-1.105 χ^2/NDF:4112508.3/40

Out: 1400.136+/-0.381 χ^2/NDF:42185154.2/45

All: 2064.766+/-0.360 χ^2/NDF: 75044696.0/8


dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 1968.963+/-744.332 χ²/NDF: 9.5/17
Left Out: 142.497+/-615.731 χ²/NDF:45.8/23
Right Out: 2097.307+/-724.136 χ²/NDF: 17.3/19
Left In: 2745.982+/-616.123 χ²/NDF:15.4/22
Left: 1443.410+/-435.526 χ²/NDF: 70.2/46
Right: 2034.899+/-519.035 χ²/NDF: 26.8/37
In: 2430.054+/-474.619 χ²/NDF:25.6/40
Out: 962.771+/-469.081 χ²/NDF:67.3/43
All: 1687.802+/-333.631 χ²/NDF: 97.7/84

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2076.134+/-0.526 χ^2/NDF: 288535.0/17

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2096.258+/-0.511 χ^2/NDF: 264673.0/19

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

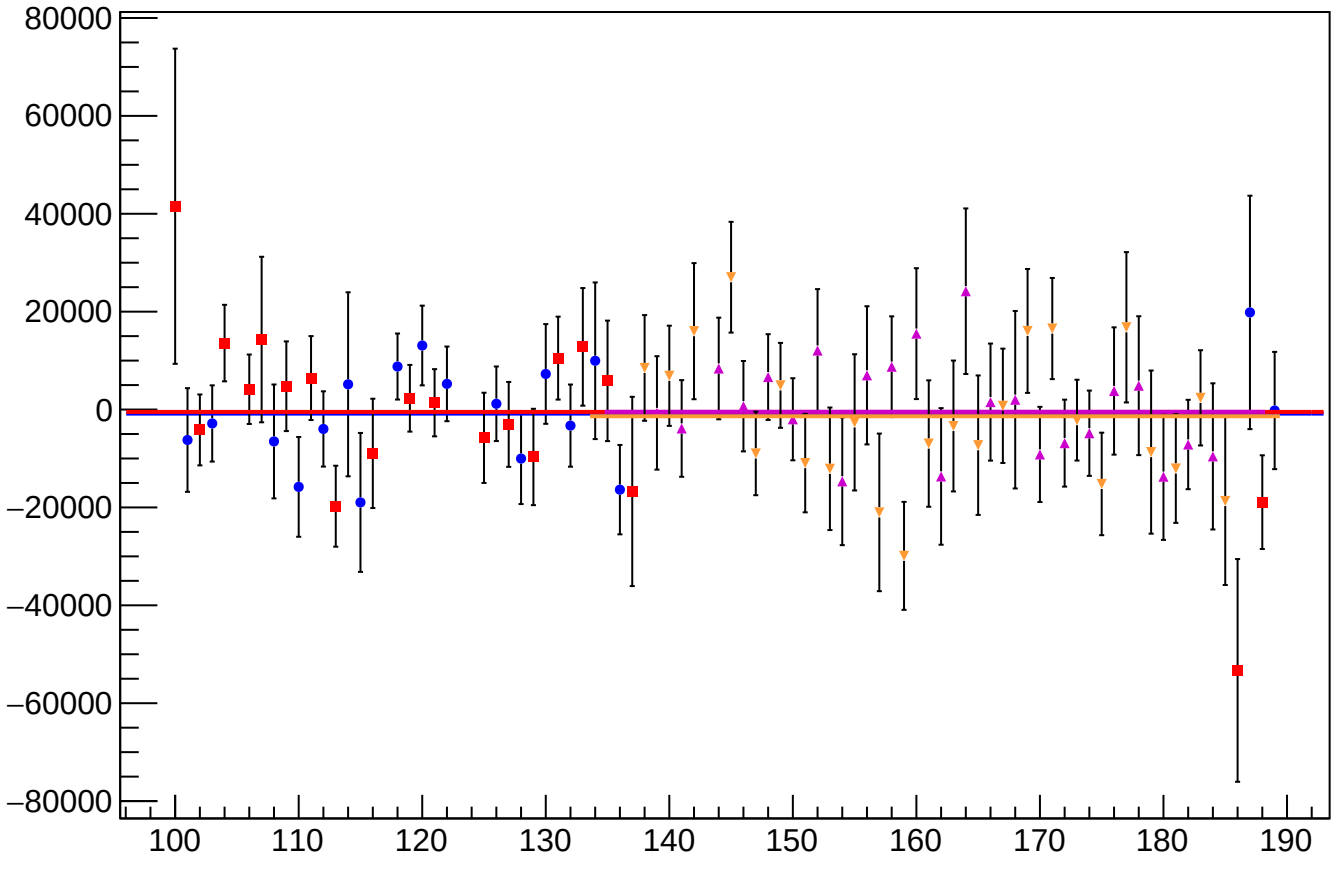
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2086.486+/-0.367 χ^2/NDF: 553960.0/37

In: 2403.684+/-0.336 χ^2/NDF:1178718.4/40

Out: 2412.057+/-0.332 χ^2/NDF:1175945.4/43

All: 2407.922+/-0.236 χ^2/NDF: 2354978.8/84



Right In: -828.006+/-2243.625 χ^2/NDF: 16.1/17

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -482.836+/-2089.725 χ^2/NDF: 27.9/19

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

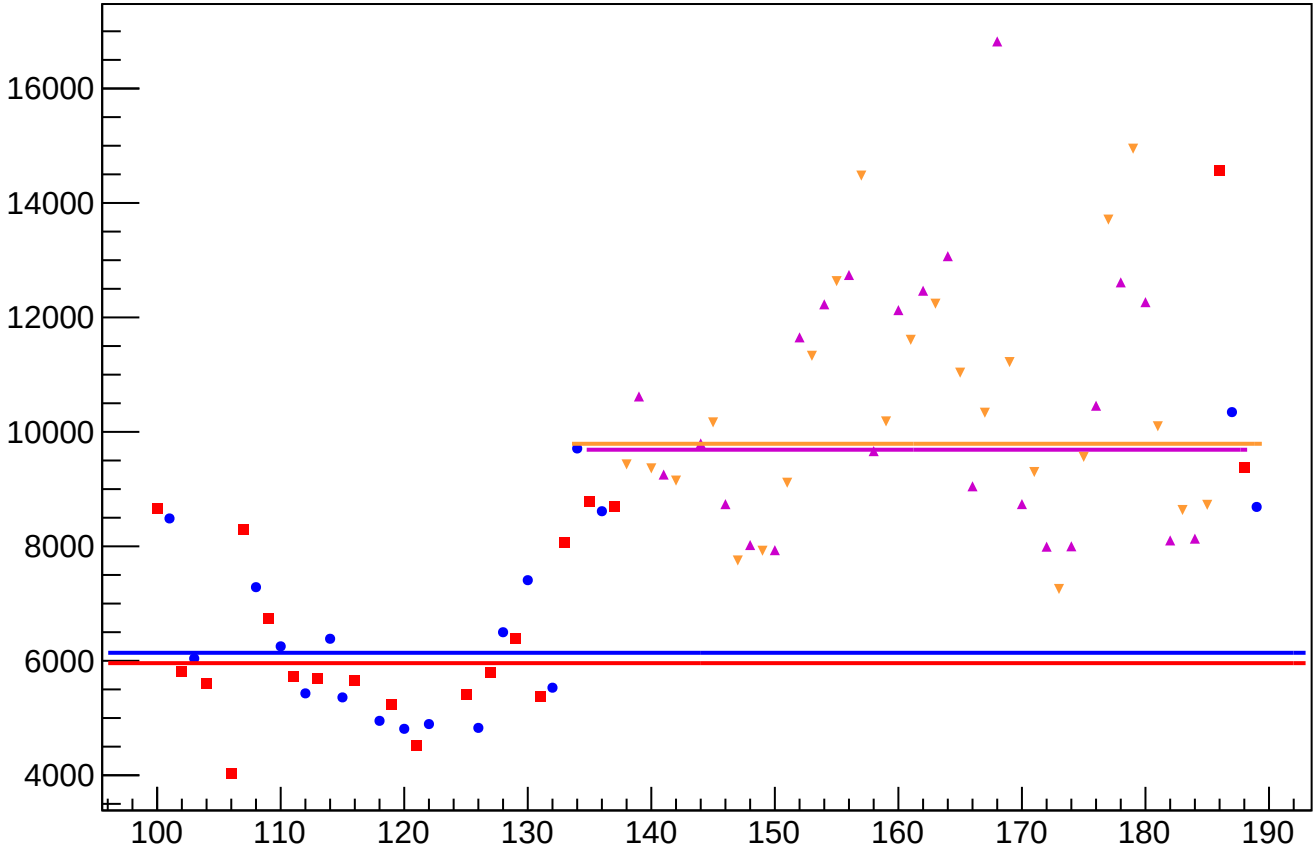
Right: -643.178+/-1529.174 χ^2/NDF: 44.0/37

In: -651.551+/-1610.949 χ^2/NDF:29.2/40

Out: -877.618+/-1554.587 χ^2/NDF:59.2/43

All: -768.608+/-1118.654 χ^2/NDF: 88.4/84

asym_atl2_dit_correction_rms vs Slug, Sign Corrected



Right In: 6139.916+/-1.586 χ^2/NDF: 813446.3/17

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 5958.986+/-1.478 χ^2/NDF: 1102810.0/19

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

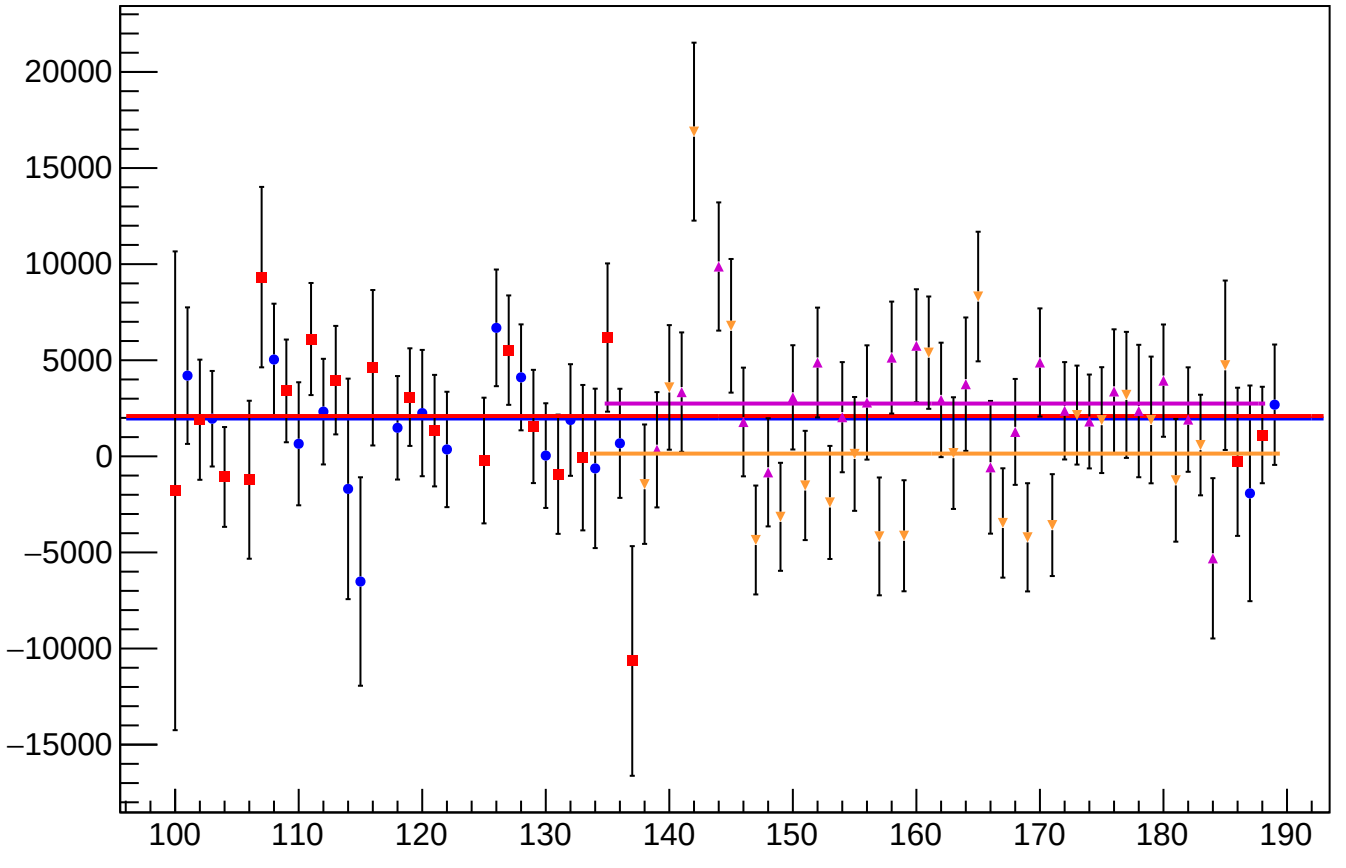
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

Right: 6043.033+/-1.081 χ^2/NDF: 1923220.8/37

In: 7858.905+/-1.139 χ^2/NDF:4614982.0/40

Out: 7670.851+/-1.099 χ^2/NDF:5327176.8/43

All: 7761.531+/-0.791 χ^2/NDF: 9956270.9/84



Right In: 1968.968+/-744.332 χ^2/NDF: 9.5/17

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2097.313+/-724.136 χ^2/NDF: 17.3/19

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

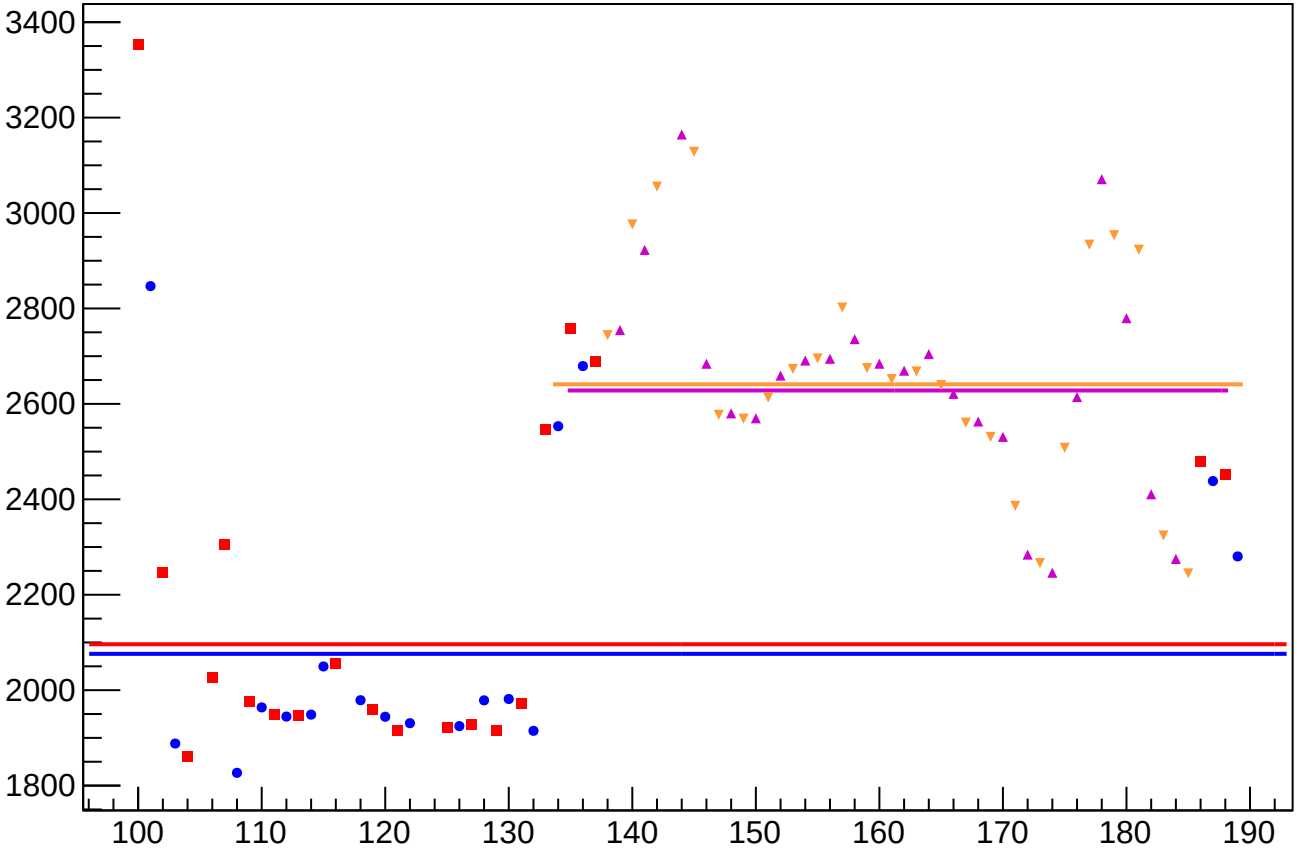
Right: 2034.906+/-519.035 χ^2/NDF: 26.8/37

In: 2430.055+/-474.619 χ^2/NDF:25.6/40

Out: 962.769+/-469.081 χ^2/NDF:67.3/43

All: 1687.802+/-333.631 χ^2/NDF: 97.7/84

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2076.134+/-0.526 χ^2/NDF: 288534.8/17

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2096.258+/-0.511 χ^2/NDF: 264673.0/19

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

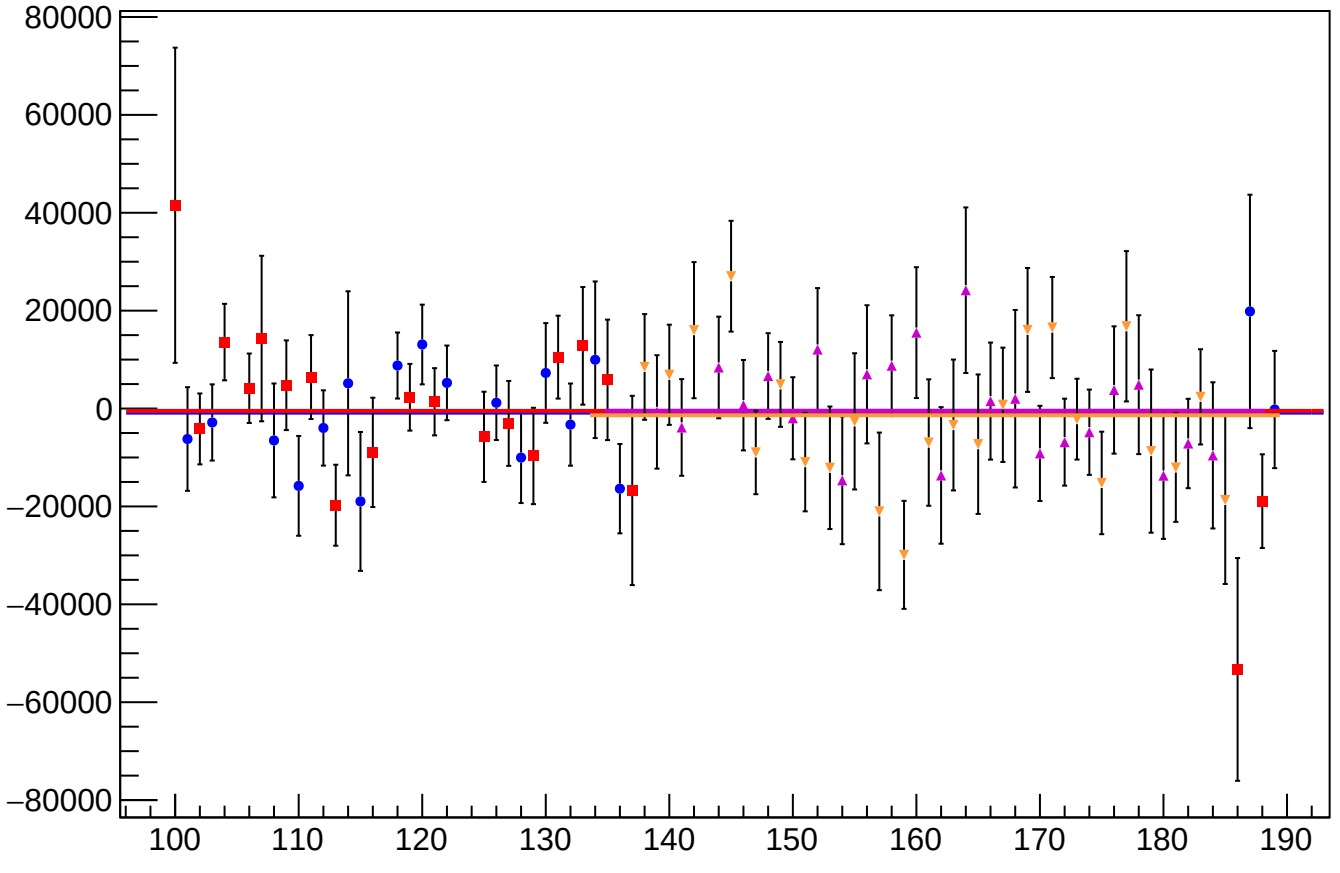
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2086.486+/-0.367 χ^2/NDF: 553959.8/37

In: 2403.685+/-0.336 χ^2/NDF:1178732.0/40

Out: 2412.058+/-0.332 χ^2/NDF:1175960.4/43

All: 2407.923+/-0.236 χ^2/NDF: 2355007.5/84



Right In: -827.997+/-2243.619 χ^2/NDF: 16.1/17

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -482.824+/-2089.719 χ^2/NDF: 27.9/19

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

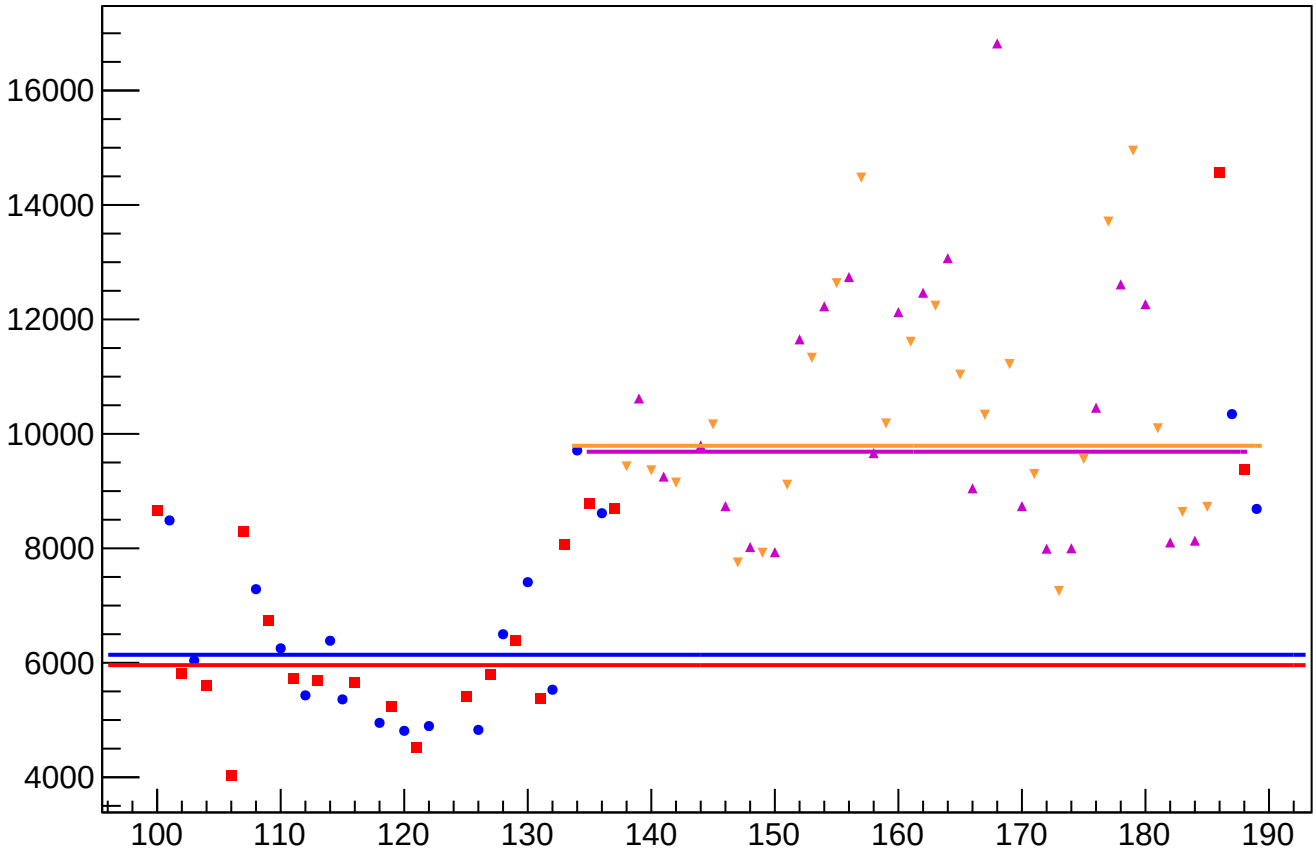
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -643.167+/-1529.170 χ^2/NDF: 44.0/37

In: -651.548+/-1610.948 χ^2/NDF:29.2/40

Out: -877.614+/-1554.586 χ^2/NDF:59.2/43

All: -768.604+/-1118.653 χ^2/NDF: 88.4/84



Right In: 6139.896+/-1.586 χ^2/NDF: 813456.6/17

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 5958.968+/-1.478 χ^2/NDF: 1102818.5/19

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

Left: 9739.958+/-1.160 χ^2/NDF: 2599248.9/46

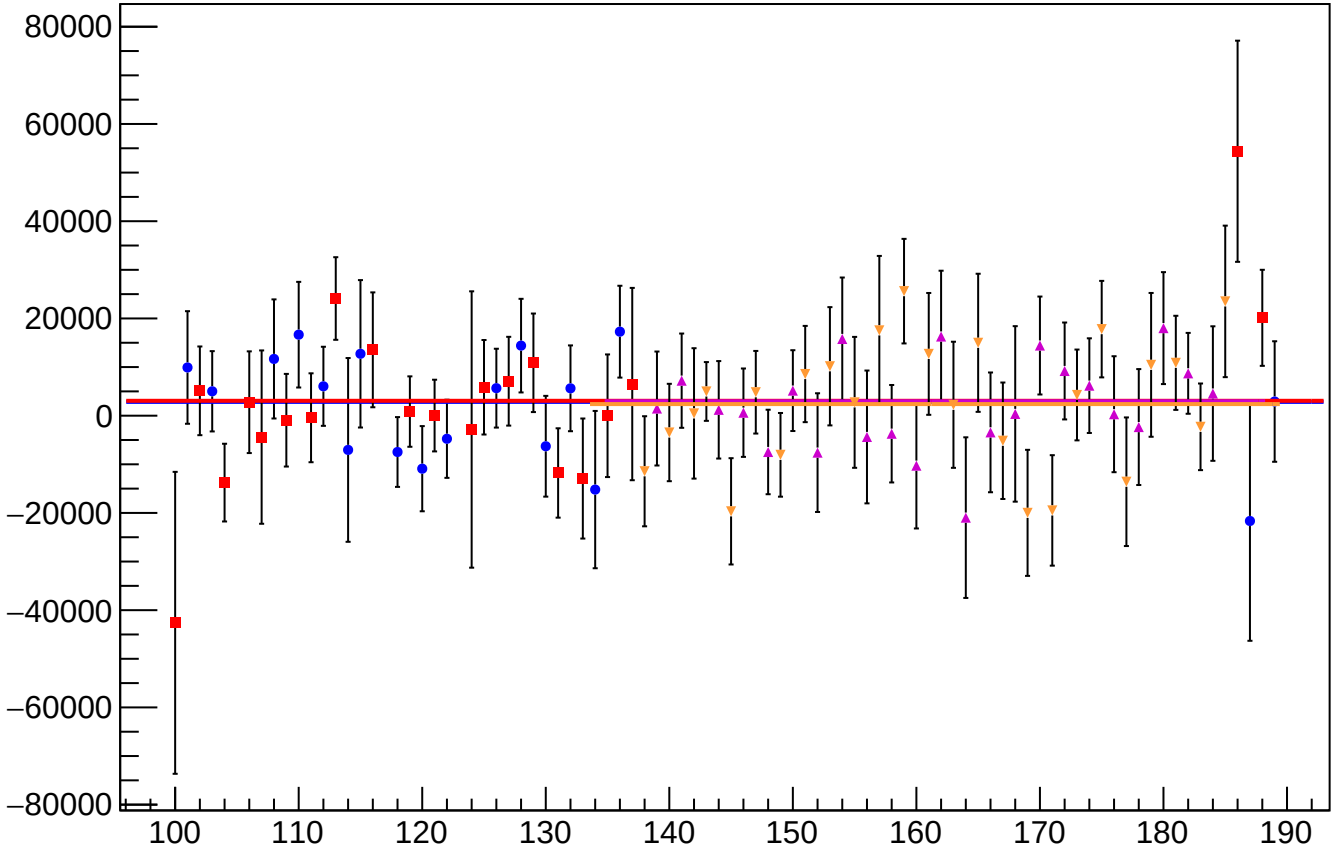
Right: 6043.015+/-1.081 χ^2/NDF: 1923239.4/37

In: 7858.895+/-1.139 χ^2/NDF:4615044.8/40

Out: 7670.841+/-1.099 χ^2/NDF:5327240.7/43

All: 7761.521+/-0.791 χ^2/NDF: 9956397.5/84

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2836.945+/-2364.870 χ^2/NDF: 15.9/17

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 3062.909+/-2261.910 χ^2/NDF: 27.7/20

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

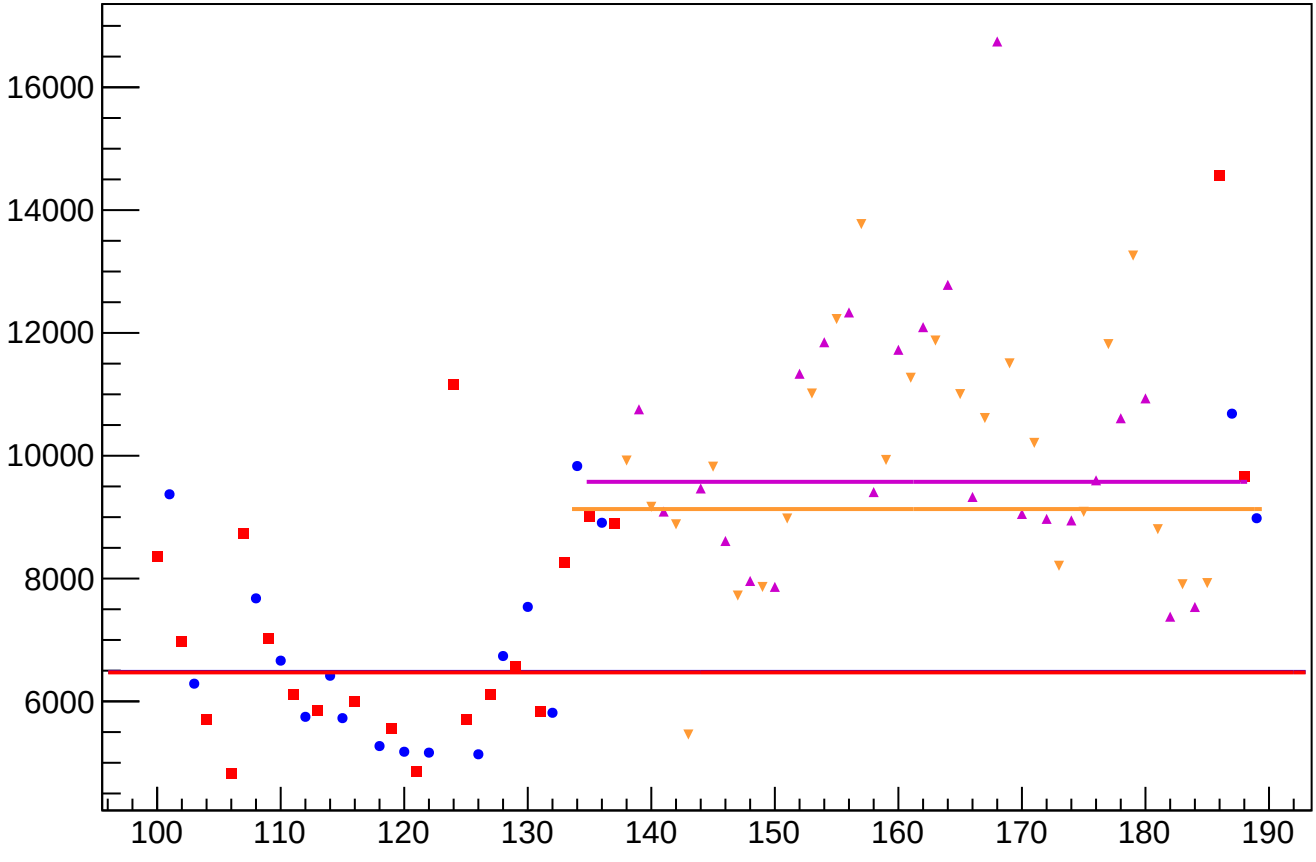
Right: 2954.953+/-1634.599 χ^2/NDF: 43.6/38

In: 2902.583+/-1640.987 χ^2/NDF:28.8/40

Out: 2706.156+/-1553.189 χ^2/NDF:57.5/45

All: 2798.974+/-1128.032 χ^2/NDF: 86.3/86

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6479.833+/-1.672 χ^2/NDF: 767336.3/17

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6472.012+/-1.599 χ^2/NDF: 959482.5/20

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

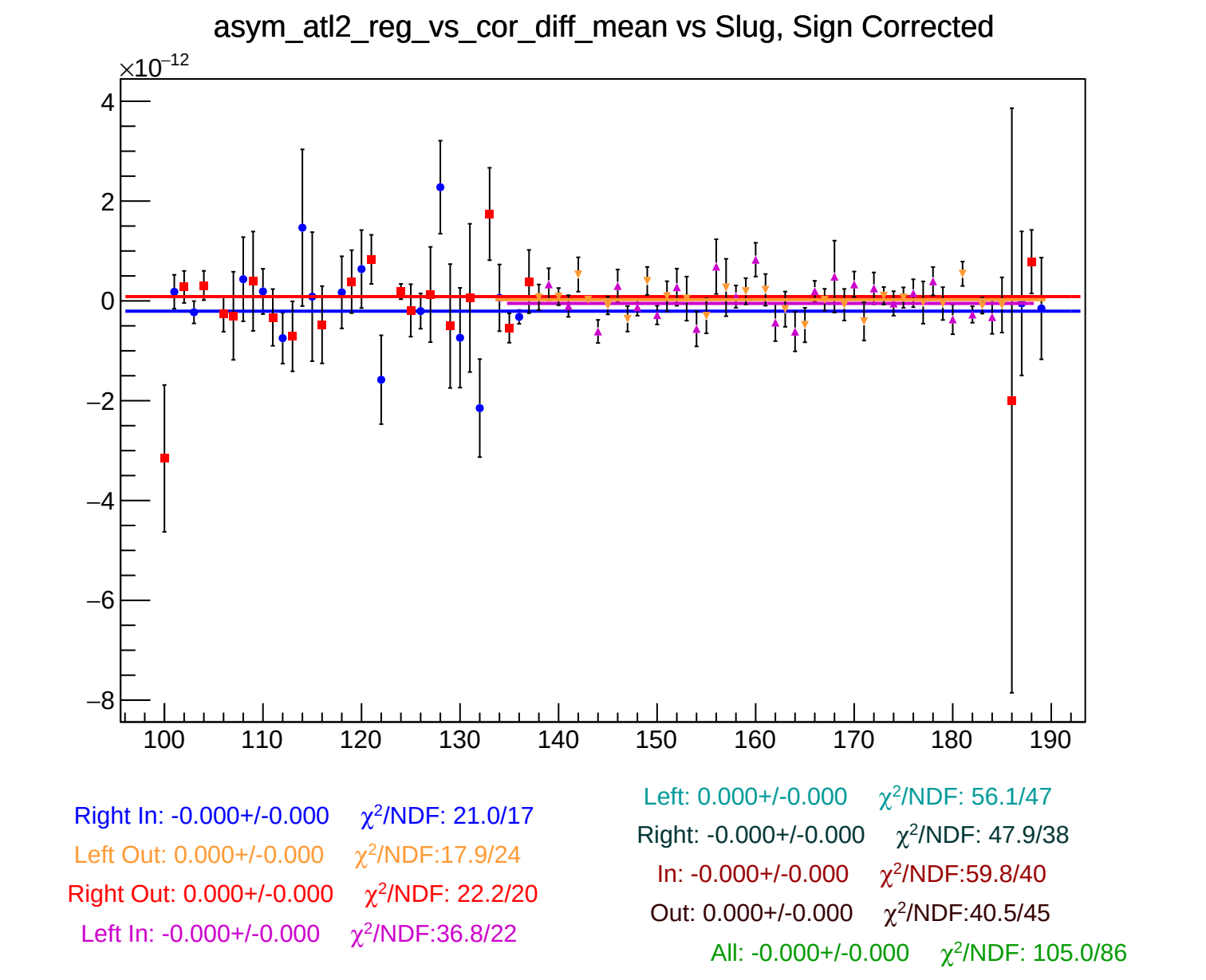
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

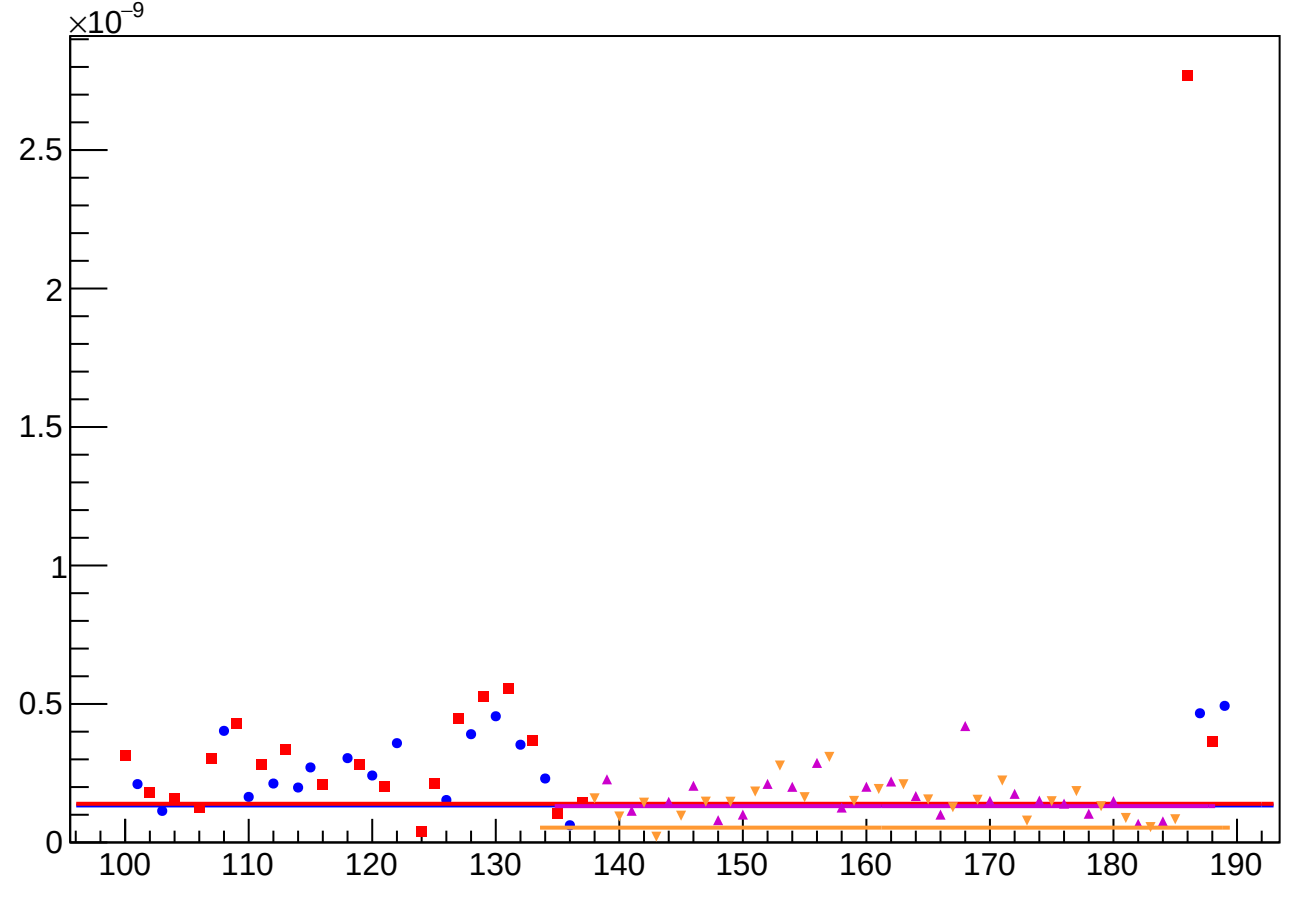
Right: 6475.748+/-1.156 χ^2/NDF: 1726830.3/38

In: 8084.797+/-1.160 χ^2/NDF:3697777.8/40

Out: 7877.614+/-1.098 χ^2/NDF:4232571.3/45

All: 7975.515+/-0.798 χ^2/NDF: 7947165.2/86


asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.0/17
Left Out: 0.000+/-0.000 χ²/NDF:17.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/20
Left In: -0.000+/-0.000 χ²/NDF:36.8/22
Left: 0.000+/-0.000 χ²/NDF: 56.1/47
Right: -0.000+/-0.000 χ²/NDF: 47.9/38
In: -0.000+/-0.000 χ²/NDF:59.8/40
Out: 0.000+/-0.000 χ²/NDF:40.5/45
All: -0.000+/-0.000 χ²/NDF: 105.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 2080449.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2960991.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

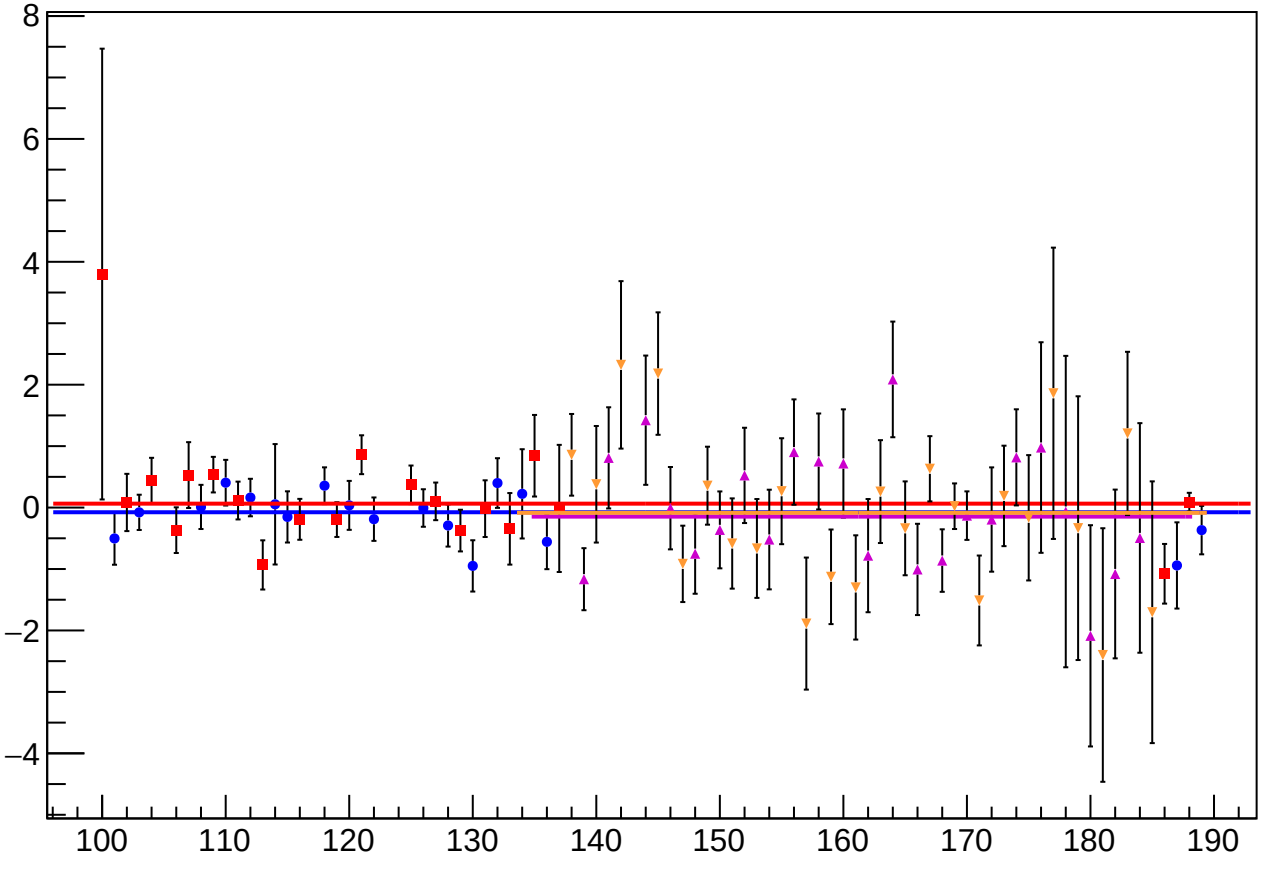
Right: 0.000+/-0.000 χ^2/NDF: 5045450.8/38

In: 0.000+/-0.000 χ^2/NDF:3985756.0/40

Out: 0.000+/-0.000 χ^2/NDF:11714704.2/45

All: 0.000+/-0.000 χ^2/NDF: 18972264.4/86

asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

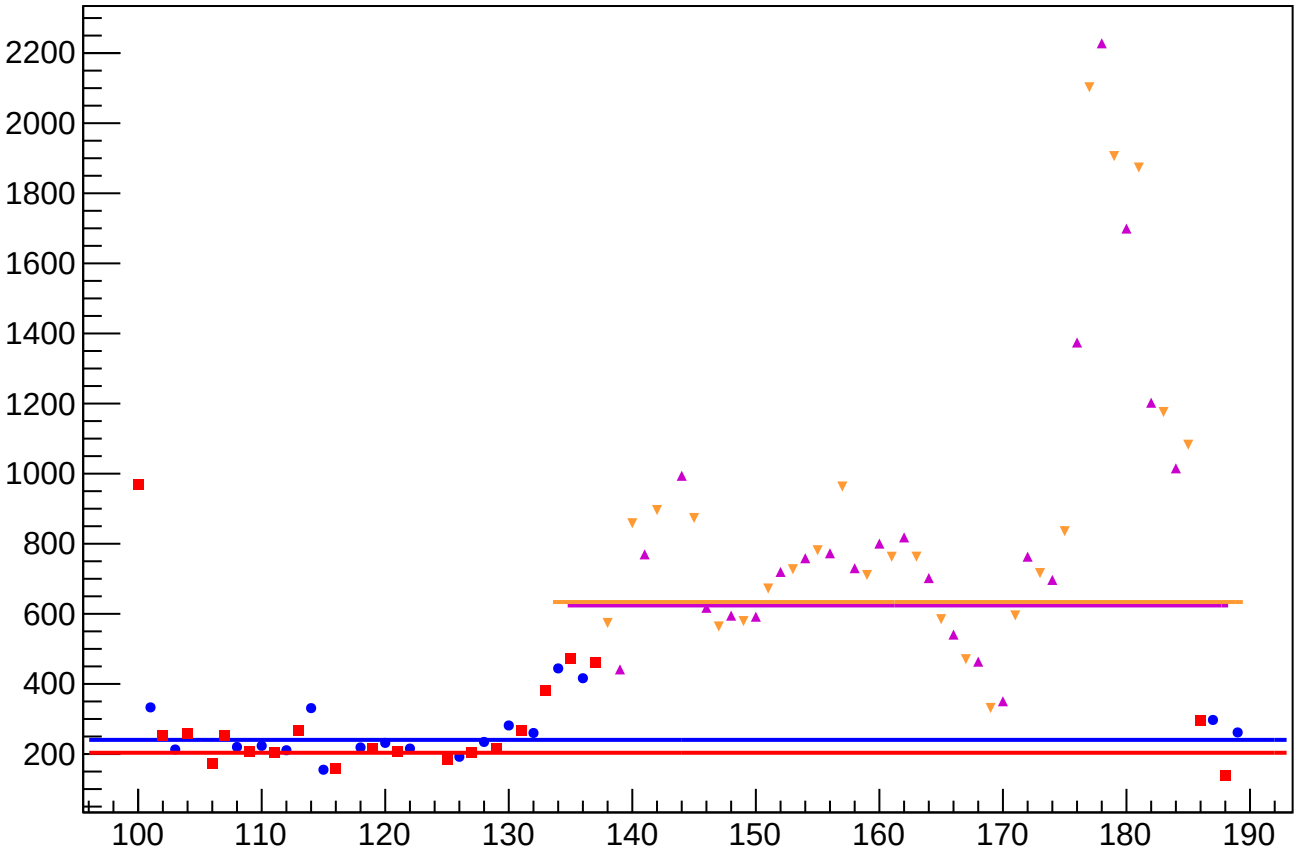
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.005+/-0.058 χ^2/NDF: 47.6/37

In: -0.094+/-0.079 χ^2/NDF:41.9/40

Out: 0.036+/-0.069 χ^2/NDF:61.9/43

All: -0.020+/-0.052 χ^2/NDF: 105.3/84



Right In: 240.383+/-0.064 χ^2/NDF: 827258.4/17

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 203.574+/-0.054 χ^2/NDF: 1406011.7/19

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

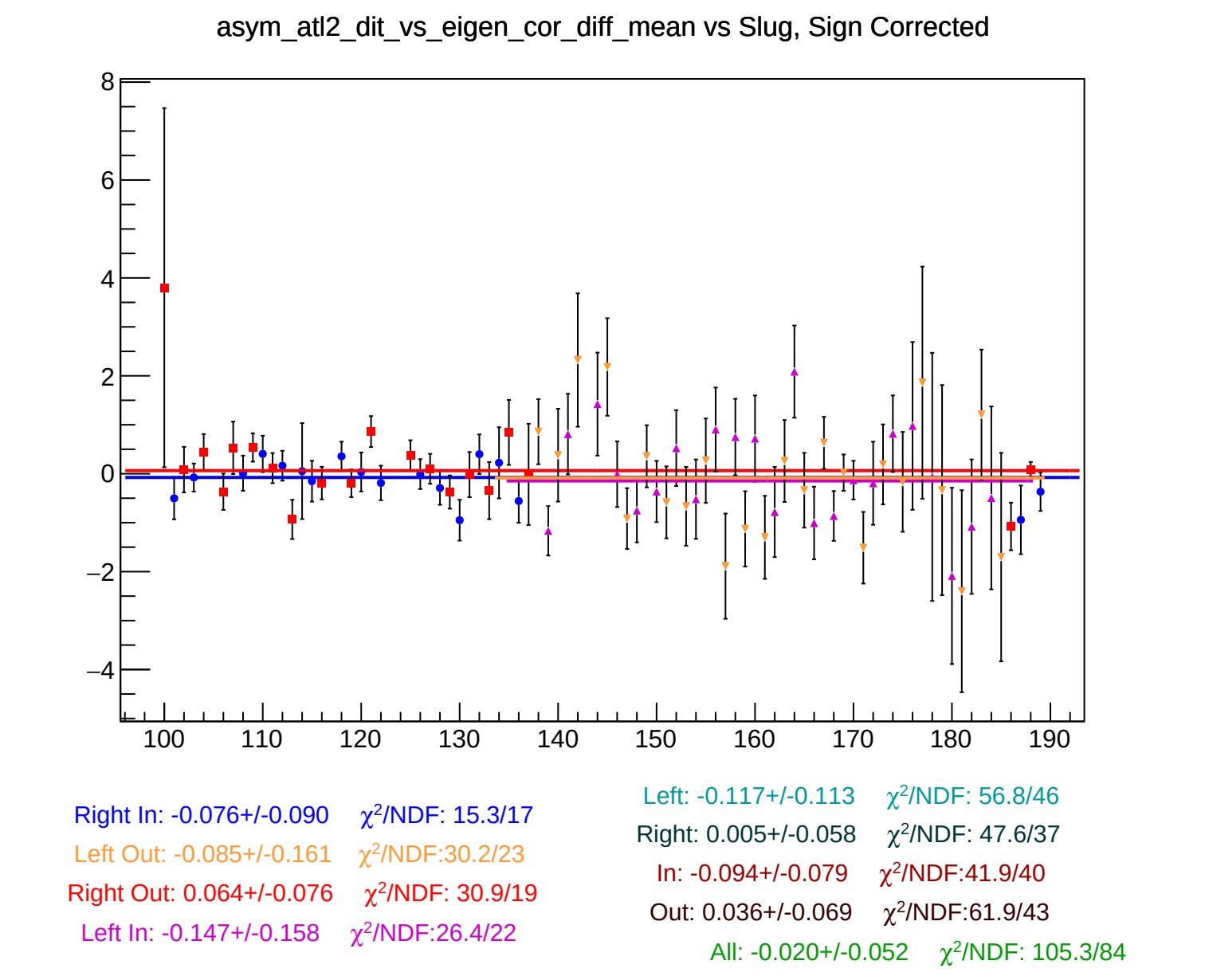
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

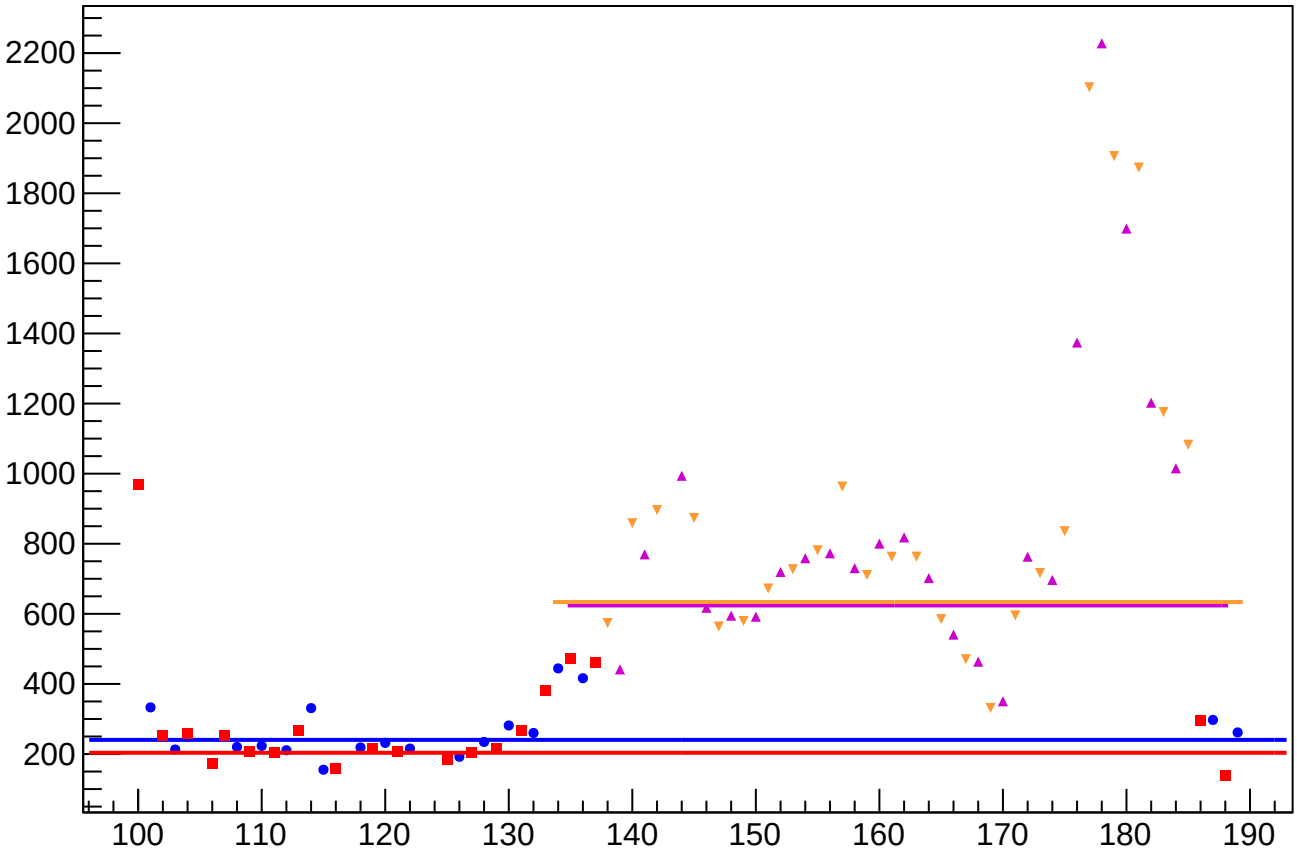
Right: 218.915+/-0.041 χ^2/NDF: 2426297.6/37

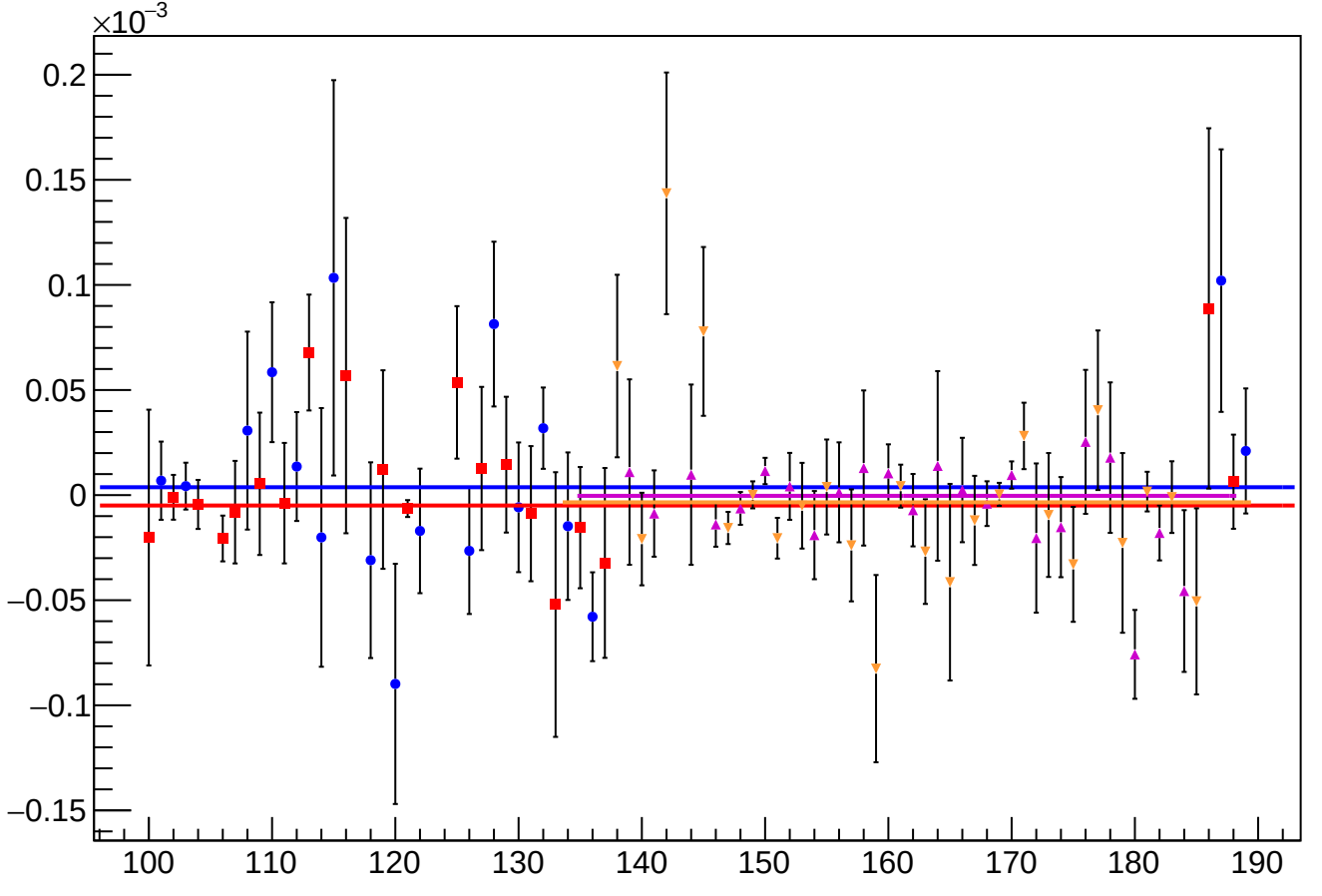
In: 334.917+/-0.056 χ^2/NDF:14224968.0/40

Out: 282.435+/-0.049 χ^2/NDF:17993938.4/43

All: 305.341+/-0.037 χ^2/NDF: 32722099.7/84


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.076+/-0.090 χ²/NDF: 15.3/17
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.064+/-0.076 χ²/NDF: 30.9/19
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.005+/-0.058 χ²/NDF: 47.6/37
In: -0.094+/-0.079 χ²/NDF:41.9/40
Out: 0.036+/-0.069 χ²/NDF:61.9/43
All: -0.020+/-0.052 χ²/NDF: 105.3/84


asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 240.383+/-0.064 χ²/NDF: 827258.4/17
Left Out: 633.674+/-0.114 χ²/NDF:4994105.8/23
Right Out: 203.574+/-0.054 χ²/NDF: 1406011.7/19
Left In: 623.916+/-0.112 χ²/NDF:4541431.8/22
Left: 628.697+/-0.080 χ²/NDF: 9539265.1/46
Right: 218.915+/-0.041 χ²/NDF: 2426297.6/37
In: 334.917+/-0.056 χ²/NDF:14224968.0/40
Out: 282.435+/-0.049 χ²/NDF:17993938.4/43
All: 305.341+/-0.037 χ²/NDF: 32722099.7/84



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/19

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

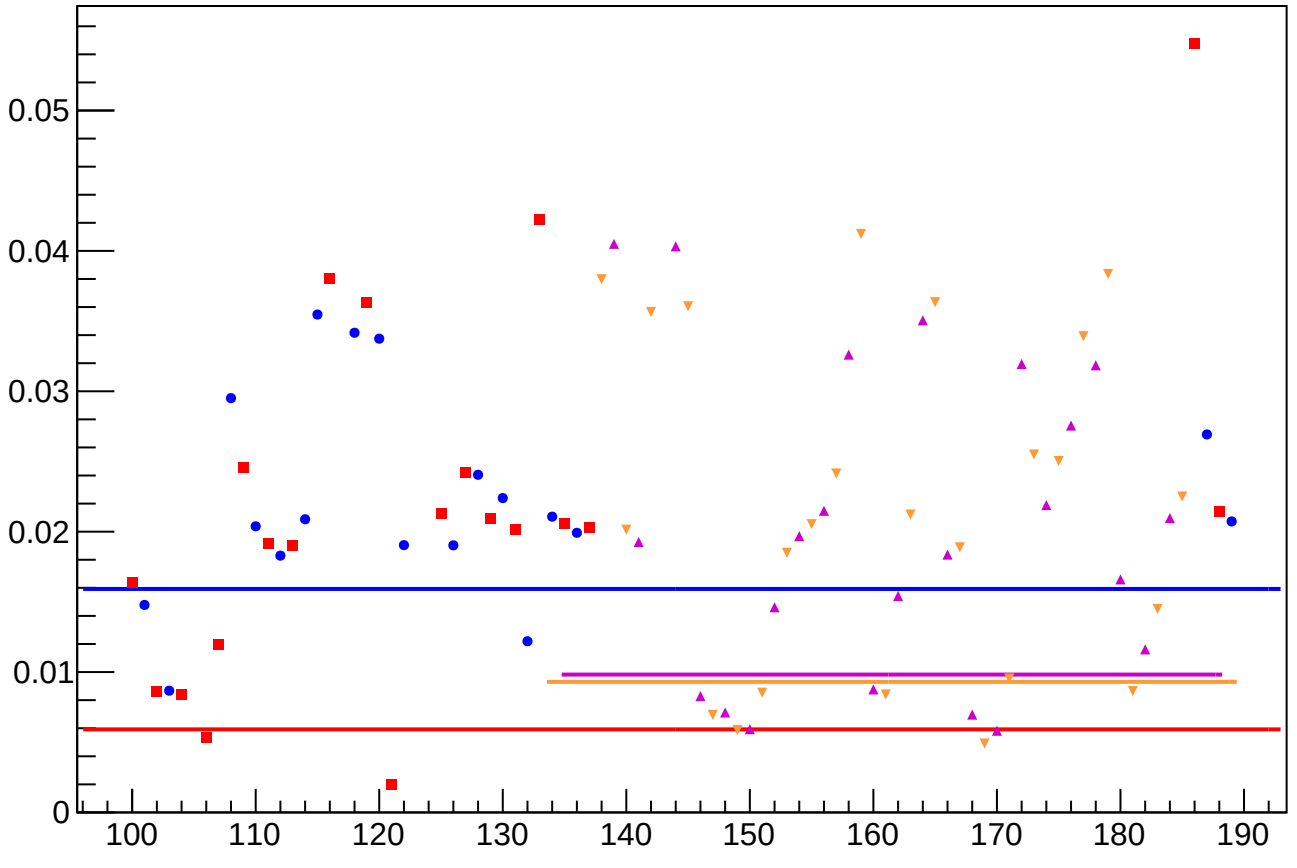
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 44.5/37

In: 0.000+/-0.000 χ^2/NDF:55.2/40

Out: -0.000+/-0.000 χ^2/NDF:50.4/43

All: -0.000+/-0.000 χ^2/NDF: 107.4/84



Right In: 0.016+/-0.000 χ^2/NDF: 2194594.6/17

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 9590414.8/19

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

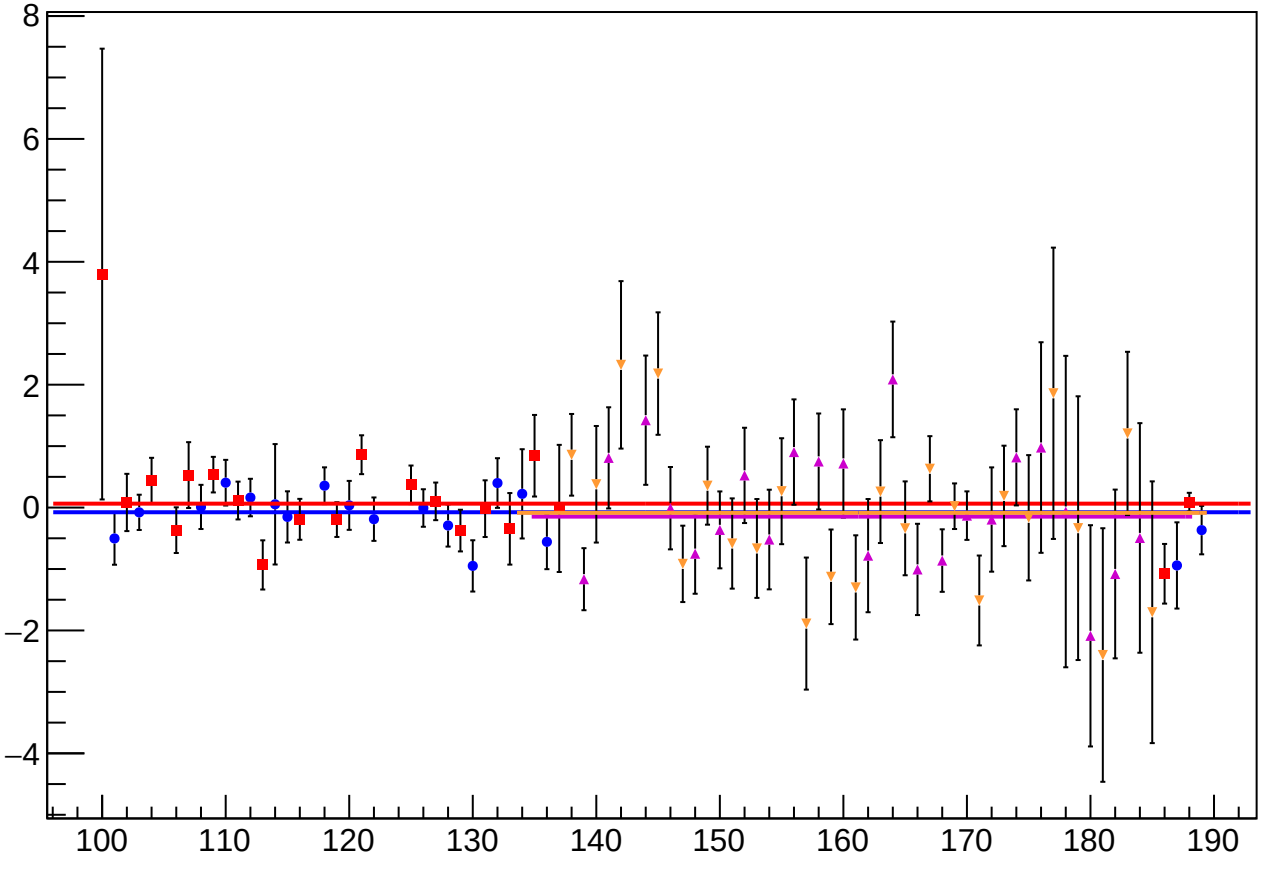
Right: 0.008+/-0.000 χ^2/NDF: 15910379.6/37

In: 0.011+/-0.000 χ^2/NDF:14089530.2/40

Out: 0.008+/-0.000 χ^2/NDF:23117962.1/43

All: 0.009+/-0.000 χ^2/NDF: 38886795.0/84

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

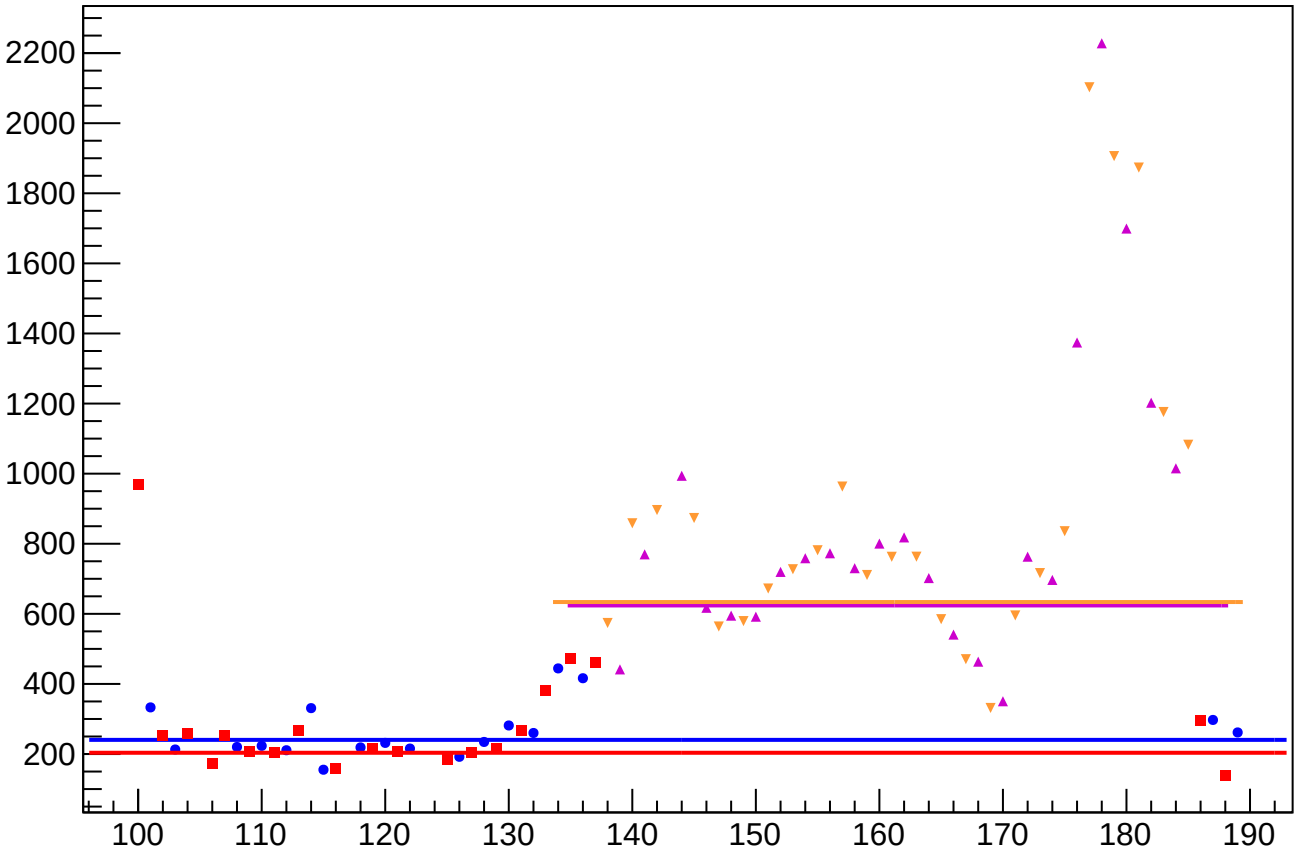
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.005+/-0.058 χ^2/NDF: 47.6/37

In: -0.094+/-0.079 χ^2/NDF:41.9/40

Out: 0.036+/-0.069 χ^2/NDF:61.9/43

All: -0.020+/-0.052 χ^2/NDF: 105.3/84



Right In: 240.384+/-0.064 χ^2/NDF: 827230.7/17

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 203.571+/-0.054 χ^2/NDF: 1406056.9/19

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

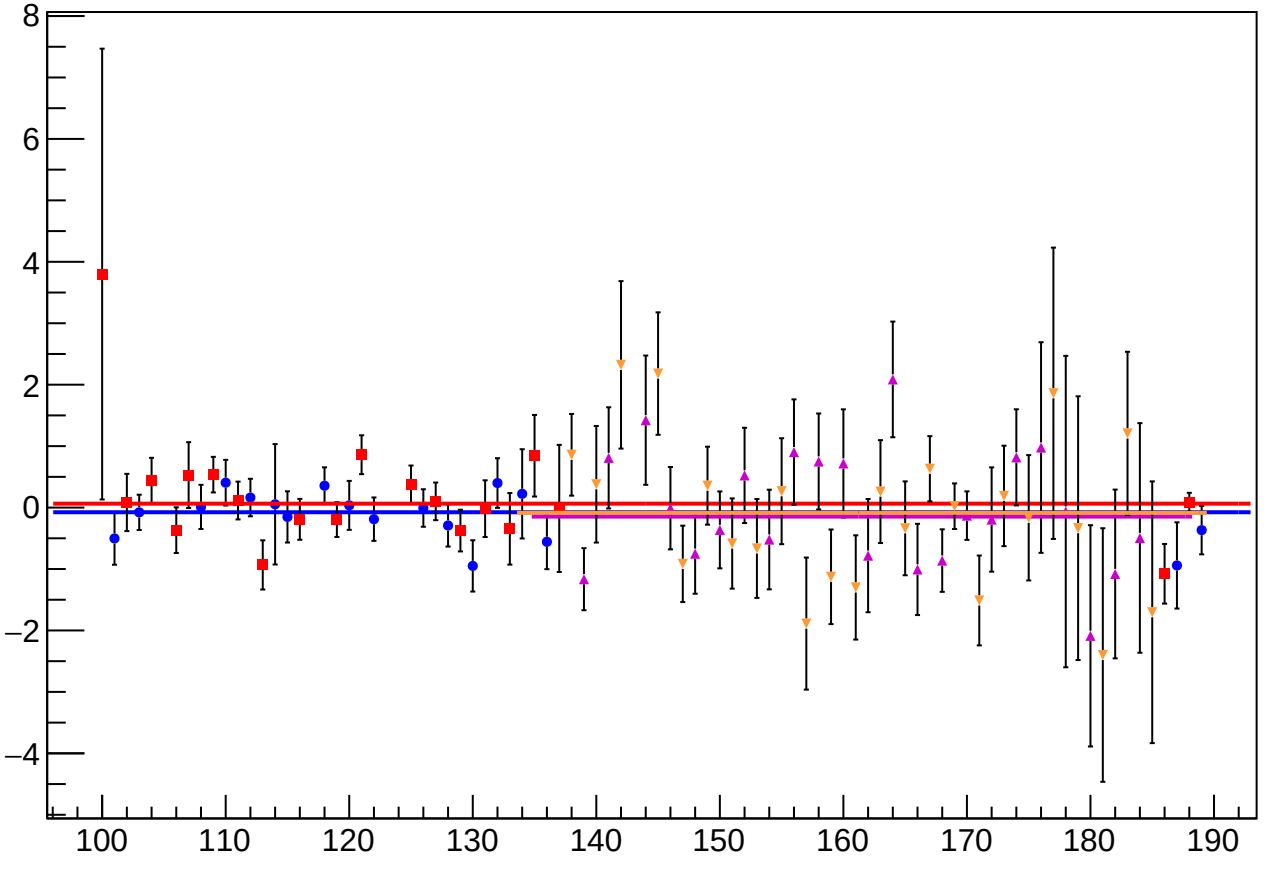
Right: 218.914+/-0.041 χ^2/NDF: 2426359.7/37

In: 334.919+/-0.056 χ^2/NDF:14225012.6/40

Out: 282.430+/-0.049 χ^2/NDF:17994339.3/43

All: 305.339+/-0.037 χ^2/NDF: 32722655.6/84

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.090 χ^2/NDF: 15.3/17

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

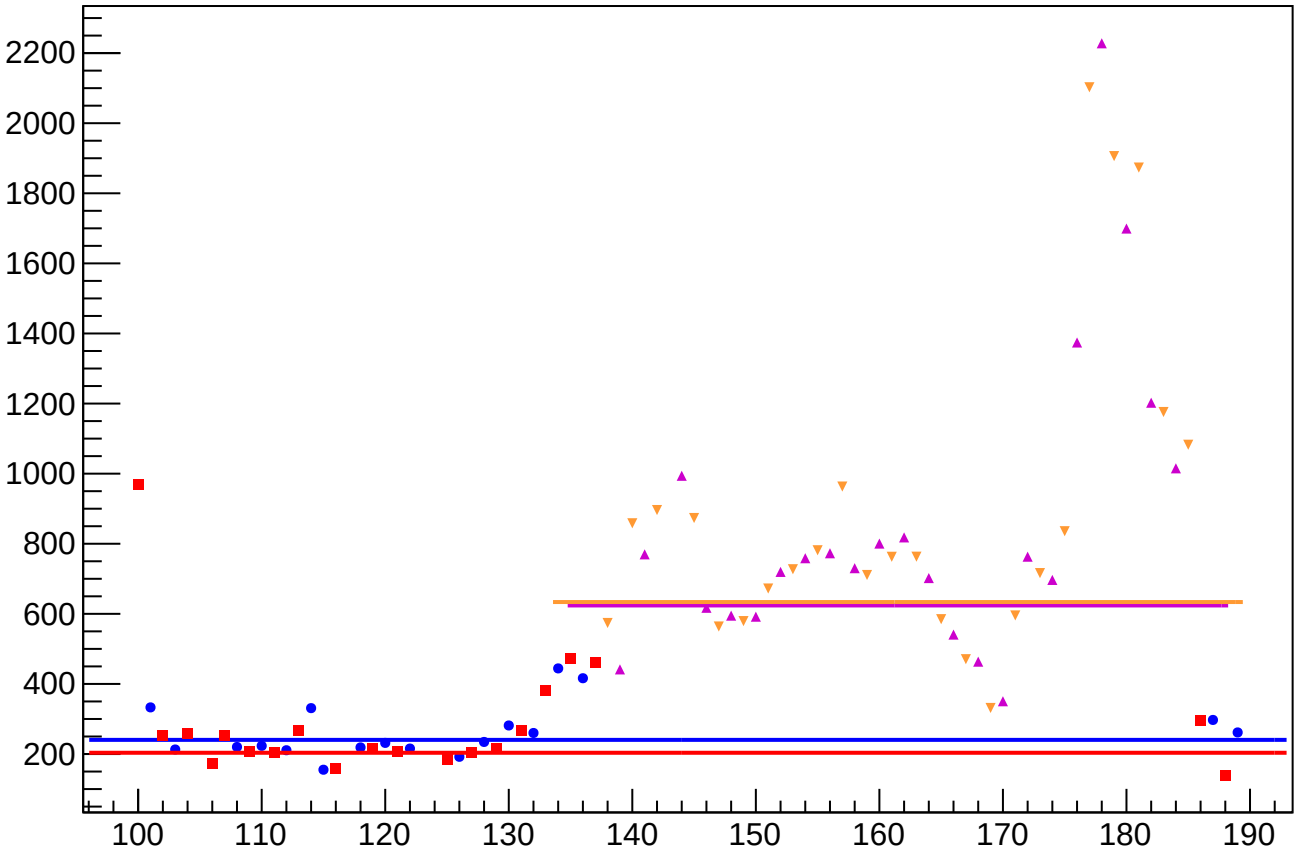
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.005+/-0.058 χ^2/NDF: 47.6/37

In: -0.094+/-0.079 χ^2/NDF:41.9/40

Out: 0.036+/-0.069 χ^2/NDF:61.9/43

All: -0.020+/-0.052 χ^2/NDF: 105.3/84



Right In: 240.384+/-0.064 χ^2/NDF: 827230.7/17

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 203.571+/-0.054 χ^2/NDF: 1406056.9/19

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

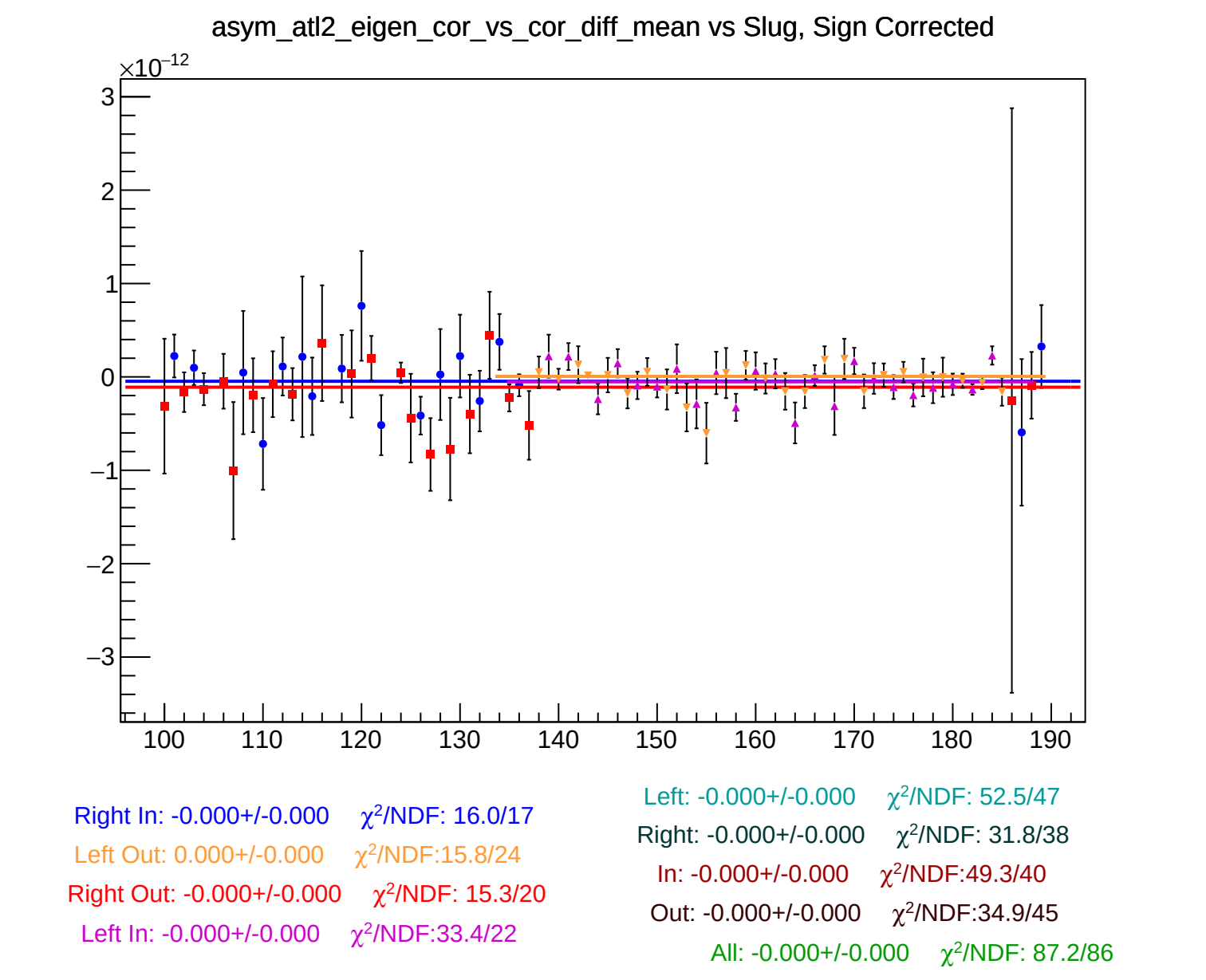
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

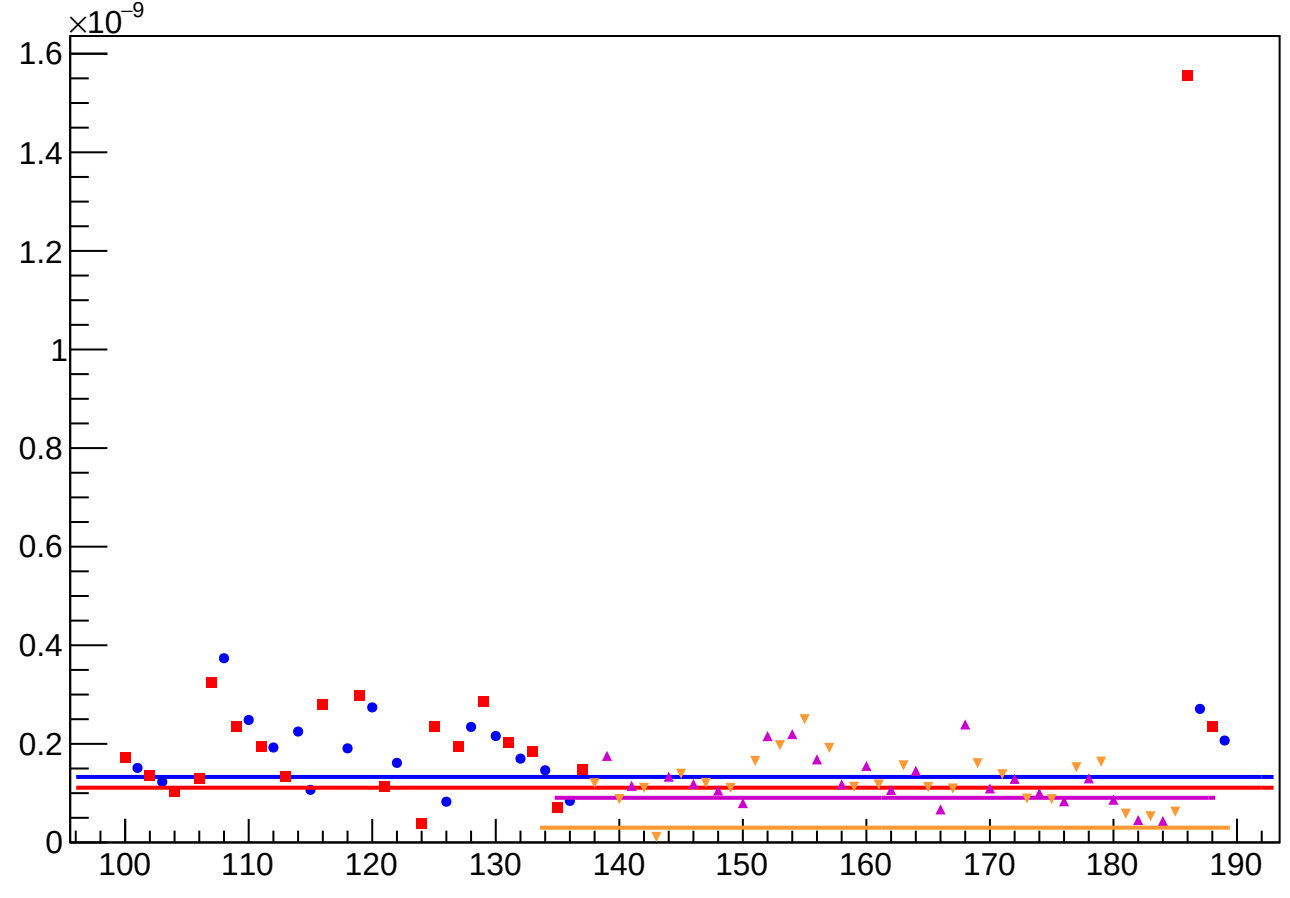
Right: 218.914+/-0.041 χ^2/NDF: 2426359.7/37

In: 334.919+/-0.056 χ^2/NDF:14225012.6/40

Out: 282.430+/-0.049 χ^2/NDF:17994339.3/43

All: 305.339+/-0.037 χ^2/NDF: 32722655.6/84


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.0/17
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.3/20
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: 31.8/38
In: -0.000+/-0.000 χ²/NDF:49.3/40
Out: -0.000+/-0.000 χ²/NDF:34.9/45
All: -0.000+/-0.000 χ²/NDF: 87.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 1454903.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3335935.2/20

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

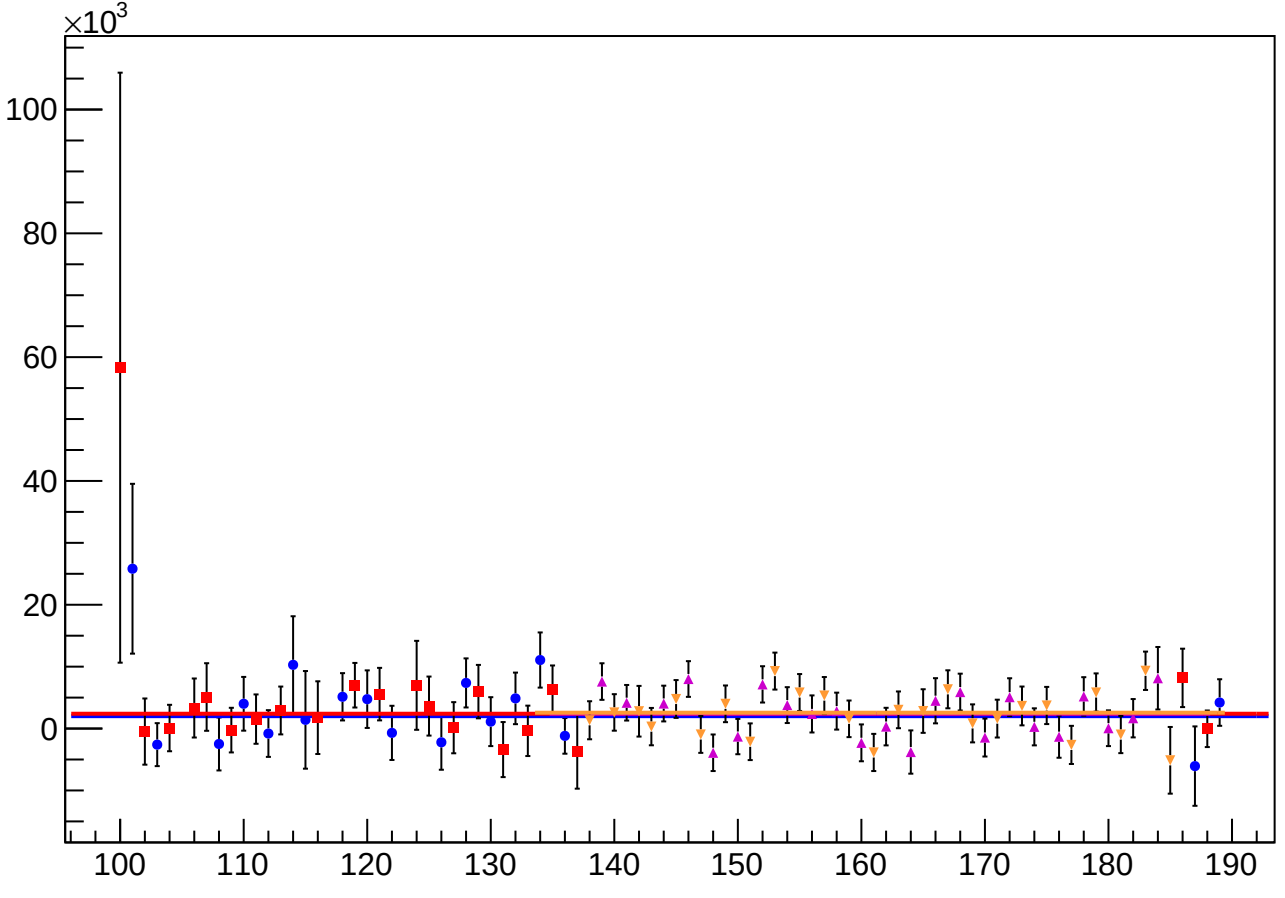
Right: 0.000+/-0.000 χ^2/NDF: 4912723.4/38

In: 0.000+/-0.000 χ^2/NDF:6859123.6/40

Out: 0.000+/-0.000 χ^2/NDF:24277977.2/45

All: 0.000+/-0.000 χ^2/NDF: 40524069.4/86

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2002.990+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2392.396+/-956.903 χ^2/NDF: 12.9/20

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

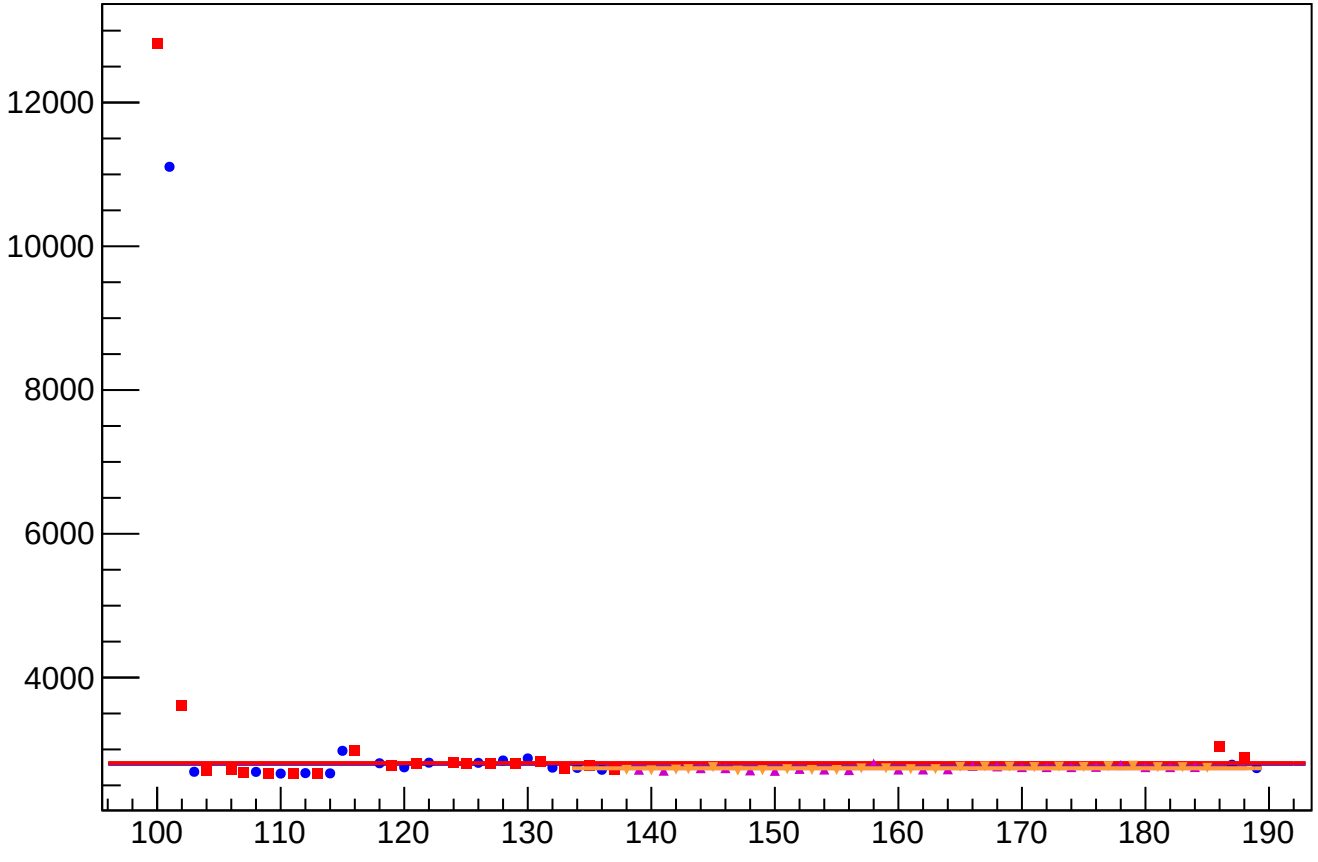
Right: 2209.442+/-696.748 χ^2/NDF: 32.7/38

In: 2293.326+/-541.427 χ^2/NDF:51.2/40

Out: 2508.006+/-521.408 χ^2/NDF:44.6/45

All: 2404.708+/-375.569 χ^2/NDF: 95.8/86

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2800.213+/-0.719 χ^2/NDF: 746808.3/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2809.957+/-0.677 χ^2/NDF: 154000.8/20

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

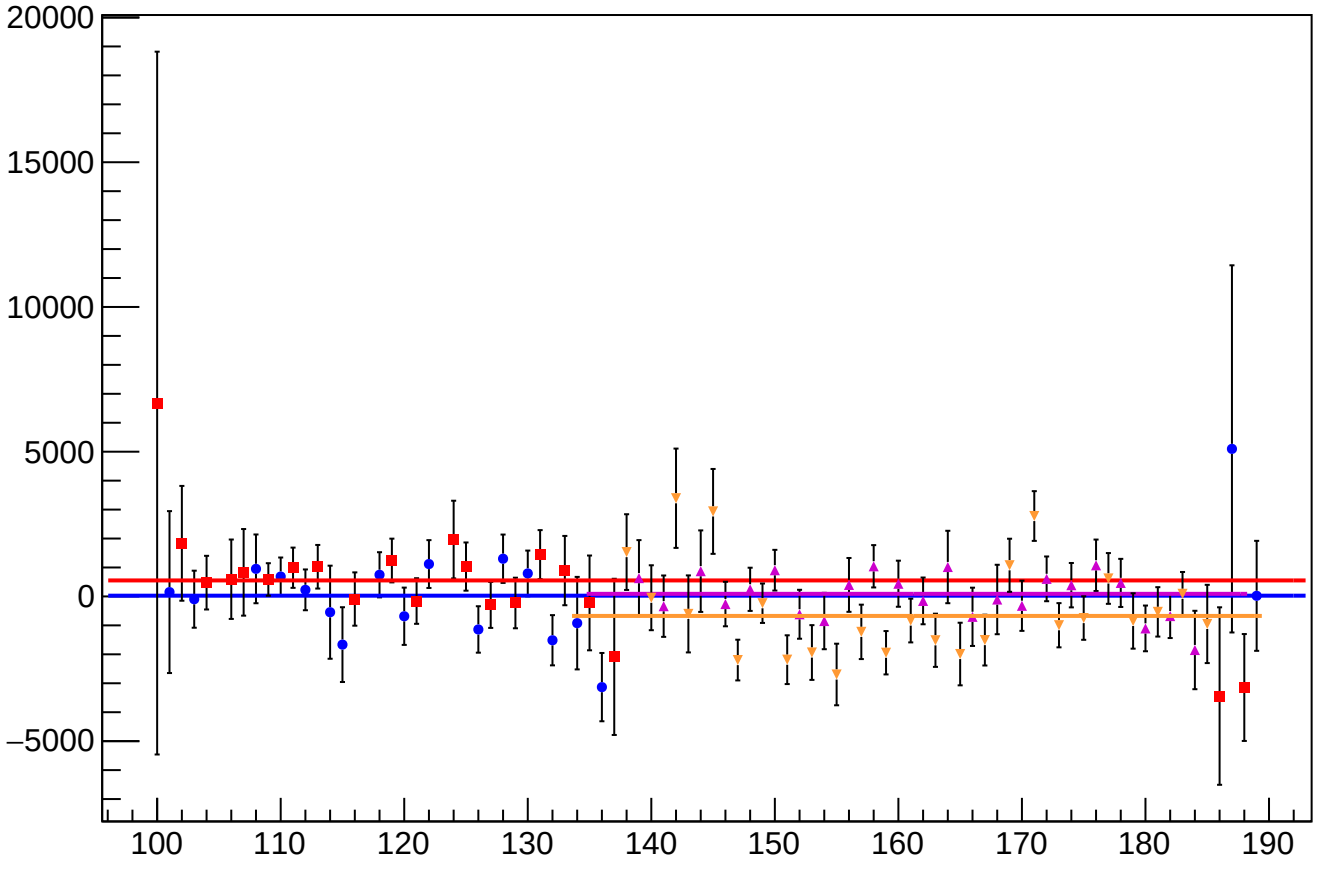
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2805.379+/-0.493 χ^2/NDF: 900906.6/38

In: 2756.985+/-0.383 χ^2/NDF:755220.0/40

Out: 2759.026+/-0.369 χ^2/NDF:164376.6/45

All: 2758.044+/-0.266 χ^2/NDF: 919611.3/86



Right In: 25.778+/-231.585 χ^2/NDF: 23.4/17

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 552.700+/-213.963 χ^2/NDF: 15.1/20

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

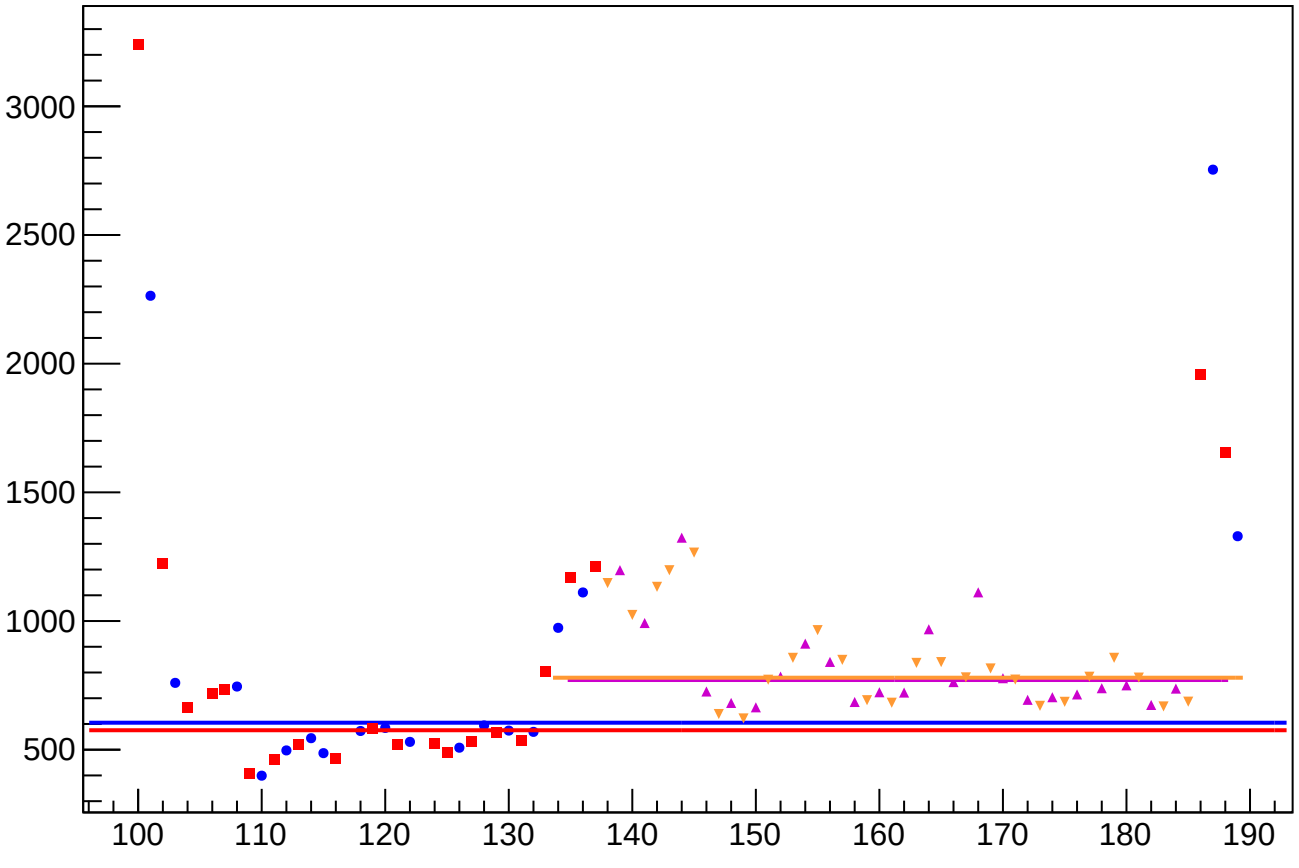
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 310.046+/-157.156 χ^2/NDF: 41.3/38

In: 64.936+/-143.819 χ^2/NDF:38.2/40

Out: -161.383+/-138.290 χ^2/NDF:92.6/45

All: -52.657+/-99.683 χ^2/NDF: 132.1/86



Right In: 604.898+/-0.164 χ^2/NDF: 2095310.0/17

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 575.610+/-0.151 χ^2/NDF: 2227823.7/20

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

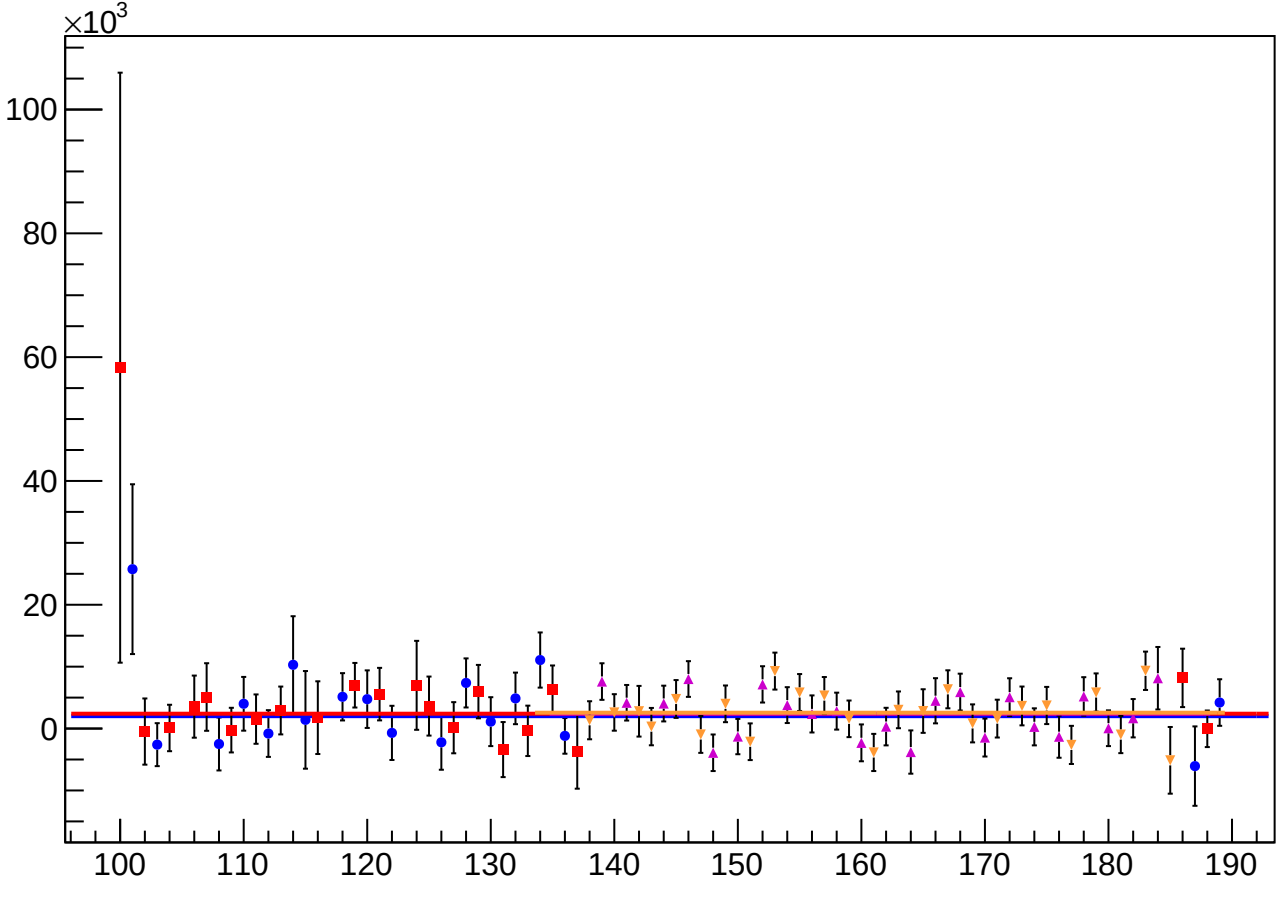
Right: 589.098+/-0.111 χ^2/NDF: 4340391.8/38

In: 706.814+/-0.102 χ^2/NDF:3802167.2/40

Out: 694.453+/-0.098 χ^2/NDF:4531257.0/45

All: 700.391+/-0.070 χ^2/NDF: 8341101.0/86

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2002.284+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2397.388+/-958.784 χ^2/NDF: 13.0/20

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

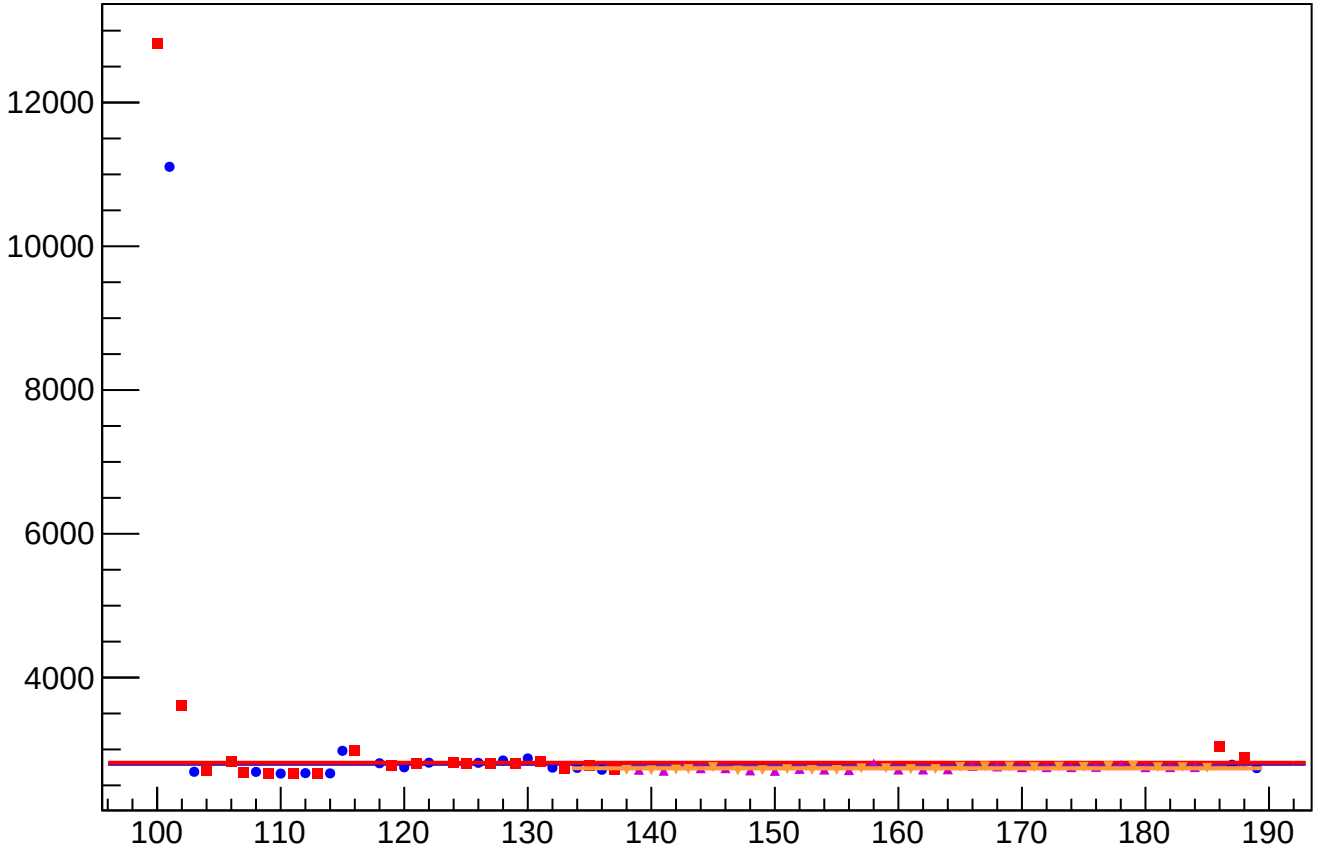
Right: 2211.370+/-697.473 χ^2/NDF: 32.7/38

In: 2293.227+/-541.427 χ^2/NDF:51.2/40

Out: 2509.591+/-521.712 χ^2/NDF:44.6/45

All: 2405.420+/-375.682 χ^2/NDF: 95.8/86

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2800.213+/-0.719 χ^2/NDF: 746807.4/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2814.594+/-0.678 χ^2/NDF: 153330.2/20

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

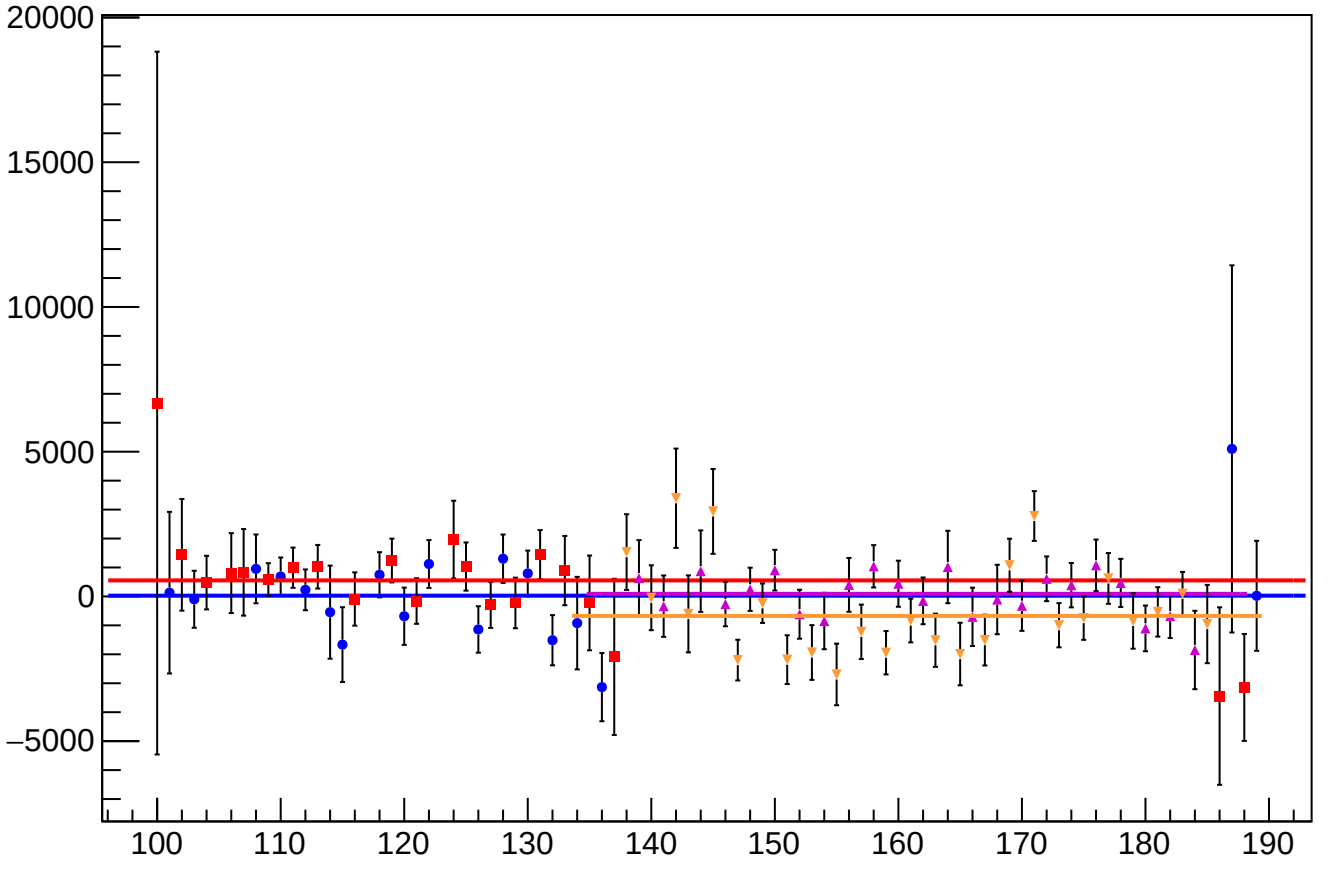
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2807.824+/-0.493 χ^2/NDF: 900349.4/38

In: 2756.985+/-0.383 χ^2/NDF:755219.1/40

Out: 2760.340+/-0.369 χ^2/NDF:164745.7/45

All: 2758.724+/-0.266 χ^2/NDF: 920004.5/86



Right In: 25.738+/-231.573 χ^2/NDF: 23.4/17

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 553.817+/-213.918 χ^2/NDF: 14.9/20

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

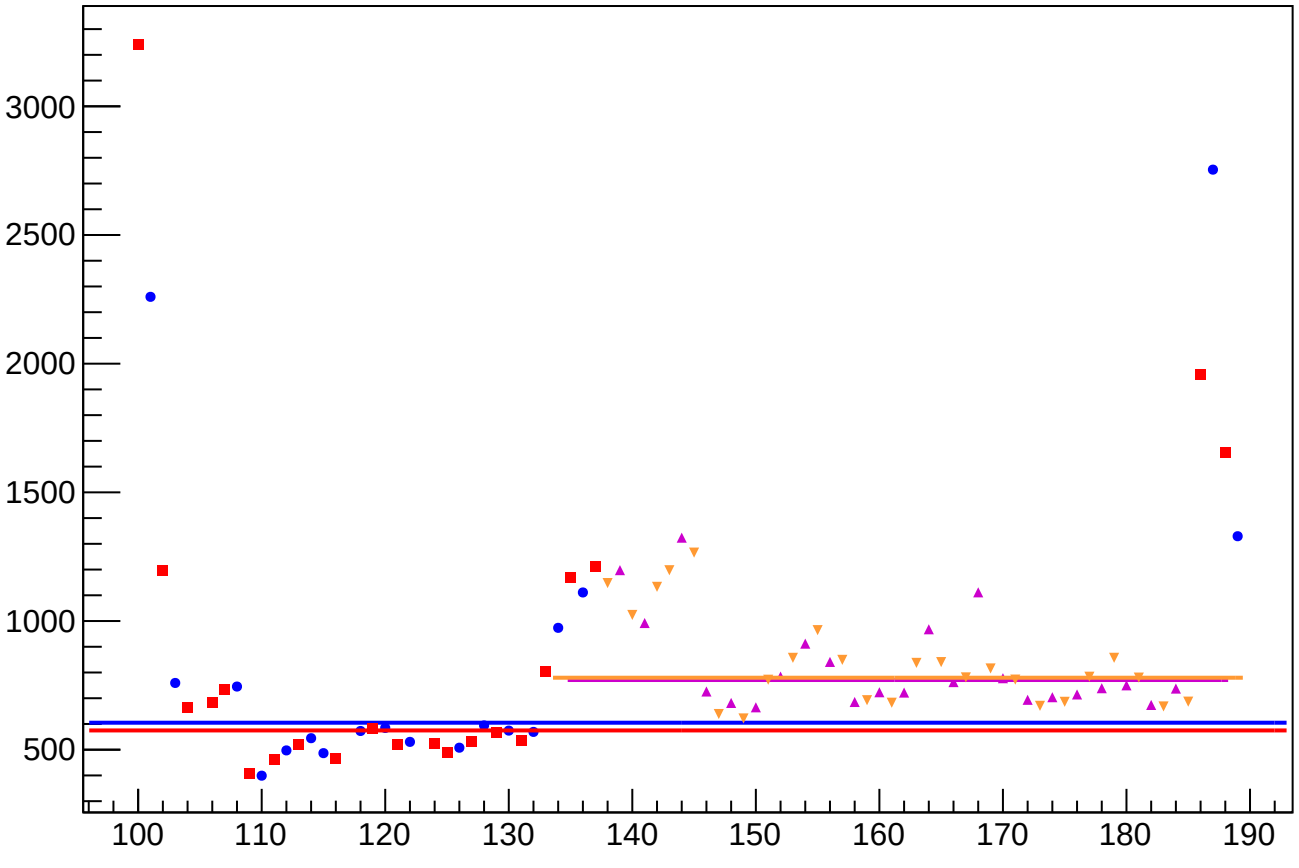
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 310.673+/-157.134 χ^2/NDF: 41.1/38

In: 64.996+/-143.817 χ^2/NDF:38.2/40

Out: -160.741+/-138.278 χ^2/NDF:92.4/45

All: -52.304+/-99.678 χ^2/NDF: 132.0/86



Right In: 604.895+/-0.164 χ^2/NDF: 2094282.8/17

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 574.866+/-0.151 χ^2/NDF: 2213941.5/20

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

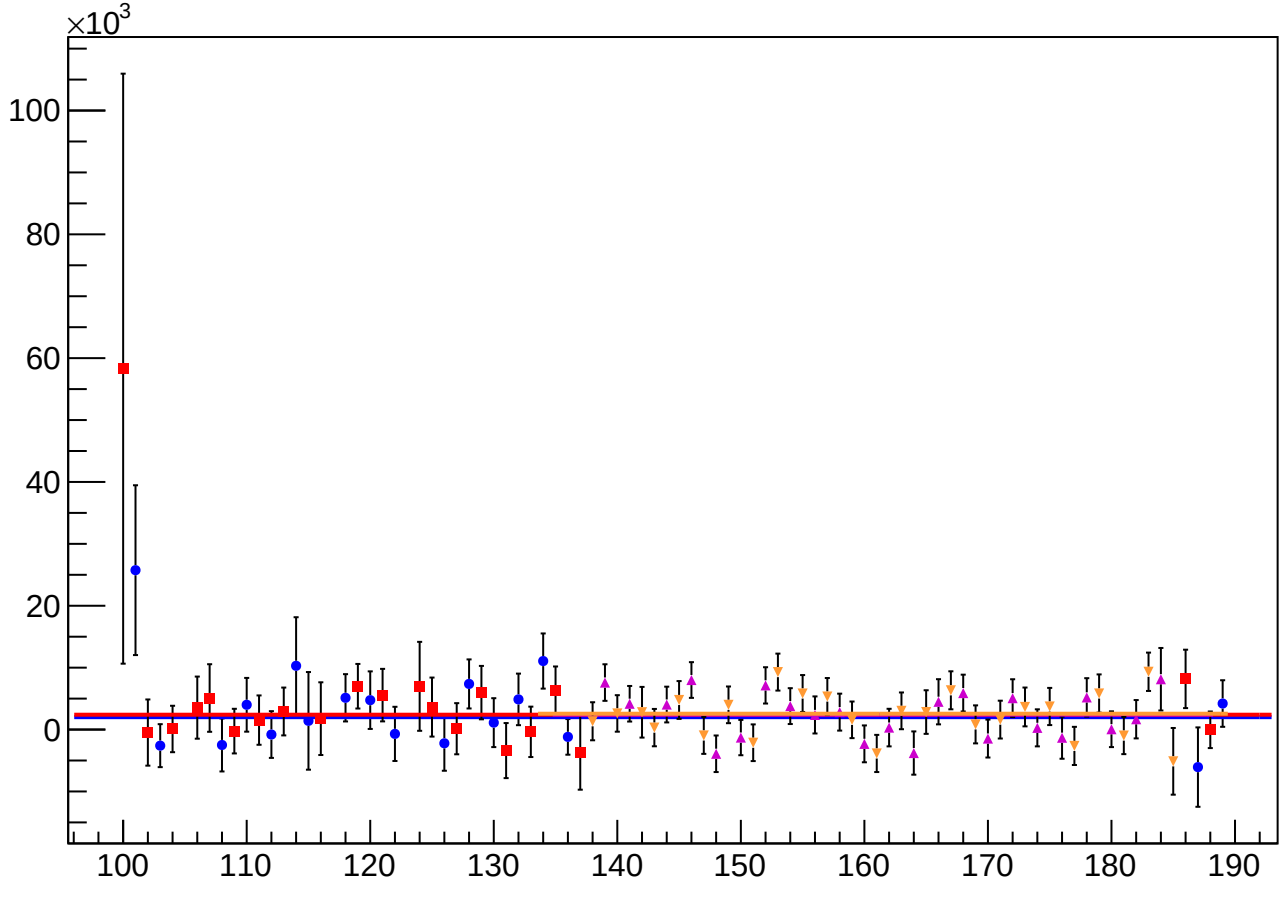
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 588.692+/-0.111 χ^2/NDF: 4326371.2/38

In: 706.811+/-0.102 χ^2/NDF:3801165.8/40

Out: 694.120+/-0.098 χ^2/NDF:4525386.6/45

All: 700.216+/-0.070 χ^2/NDF: 8334645.5/86



Right In: 2002.284+/-1016.497 χ^2/NDF: 19.7/17

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2397.388+/-958.784 χ^2/NDF: 13.0/20

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

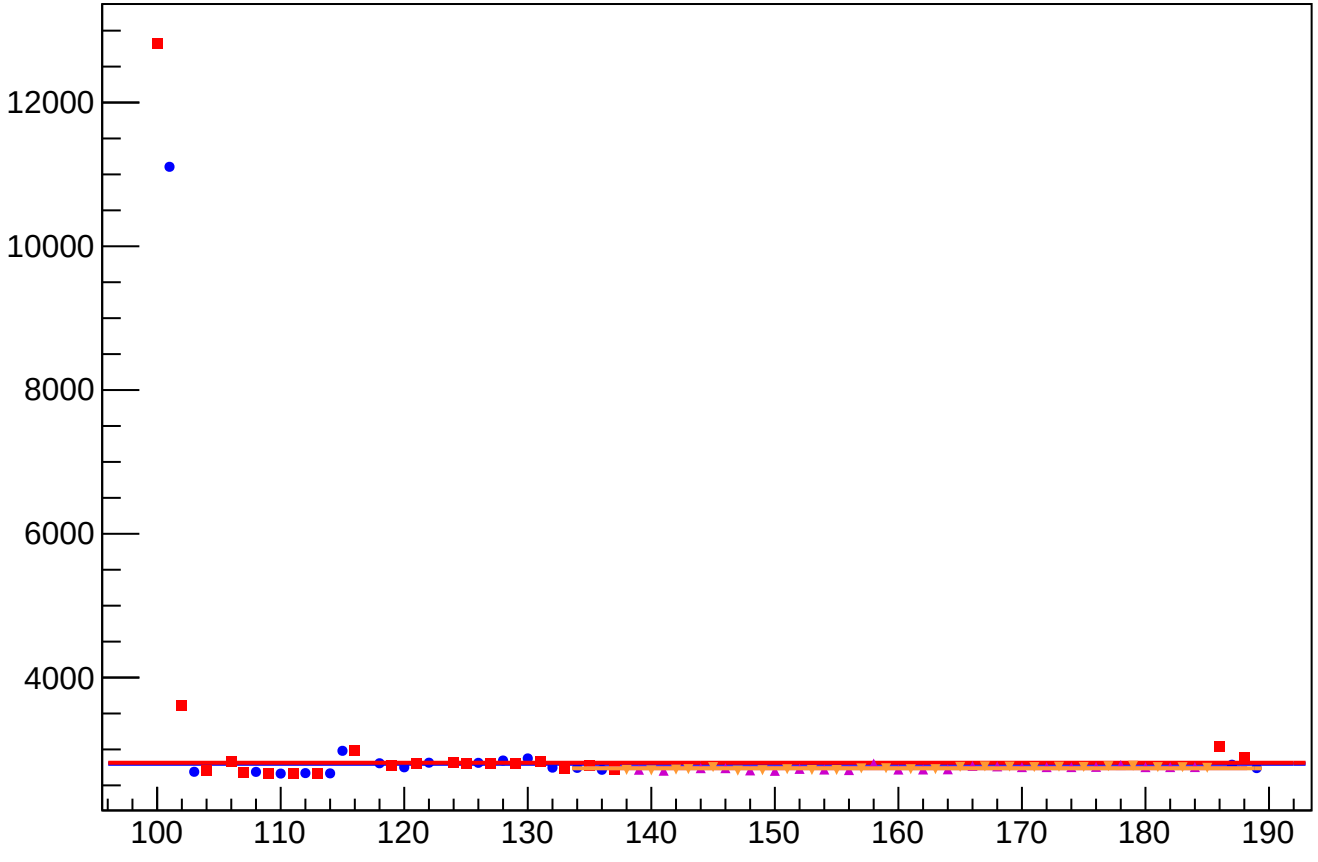
Right: 2211.370+/-697.473 χ^2/NDF: 32.7/38

In: 2293.227+/-541.427 χ^2/NDF:51.2/40

Out: 2509.591+/-521.712 χ^2/NDF:44.6/45

All: 2405.420+/-375.682 χ^2/NDF: 95.8/86

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2800.213+/-0.719 χ^2/NDF: 746807.4/17

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2814.594+/-0.678 χ^2/NDF: 153330.2/20

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

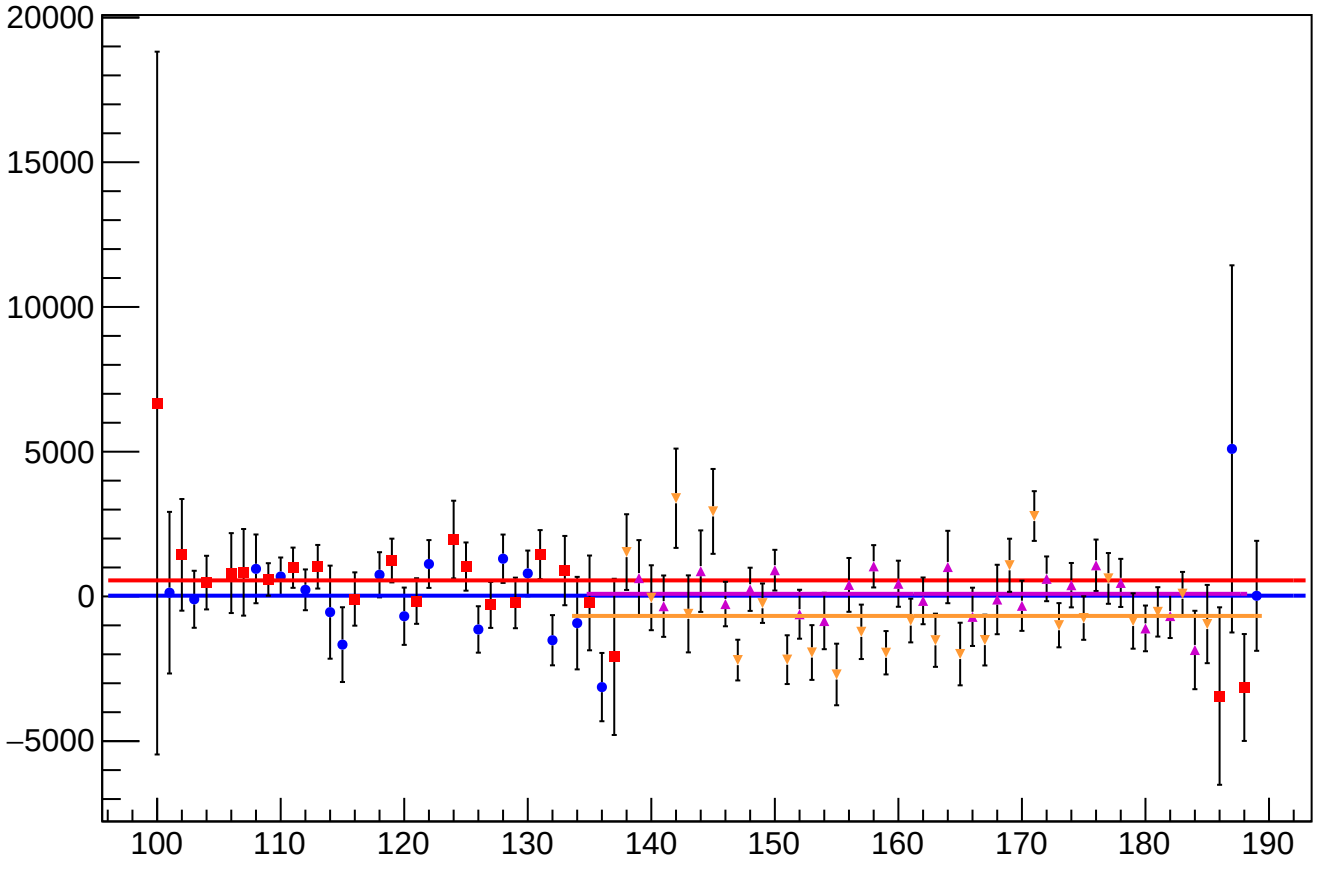
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2807.824+/-0.493 χ^2/NDF: 900349.4/38

In: 2756.985+/-0.383 χ^2/NDF:755219.1/40

Out: 2760.340+/-0.369 χ^2/NDF:164745.7/45

All: 2758.724+/-0.266 χ^2/NDF: 920004.5/86



Right In: 25.738+/-231.573 χ^2/NDF: 23.4/17

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 553.817+/-213.918 χ^2/NDF: 14.9/20

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

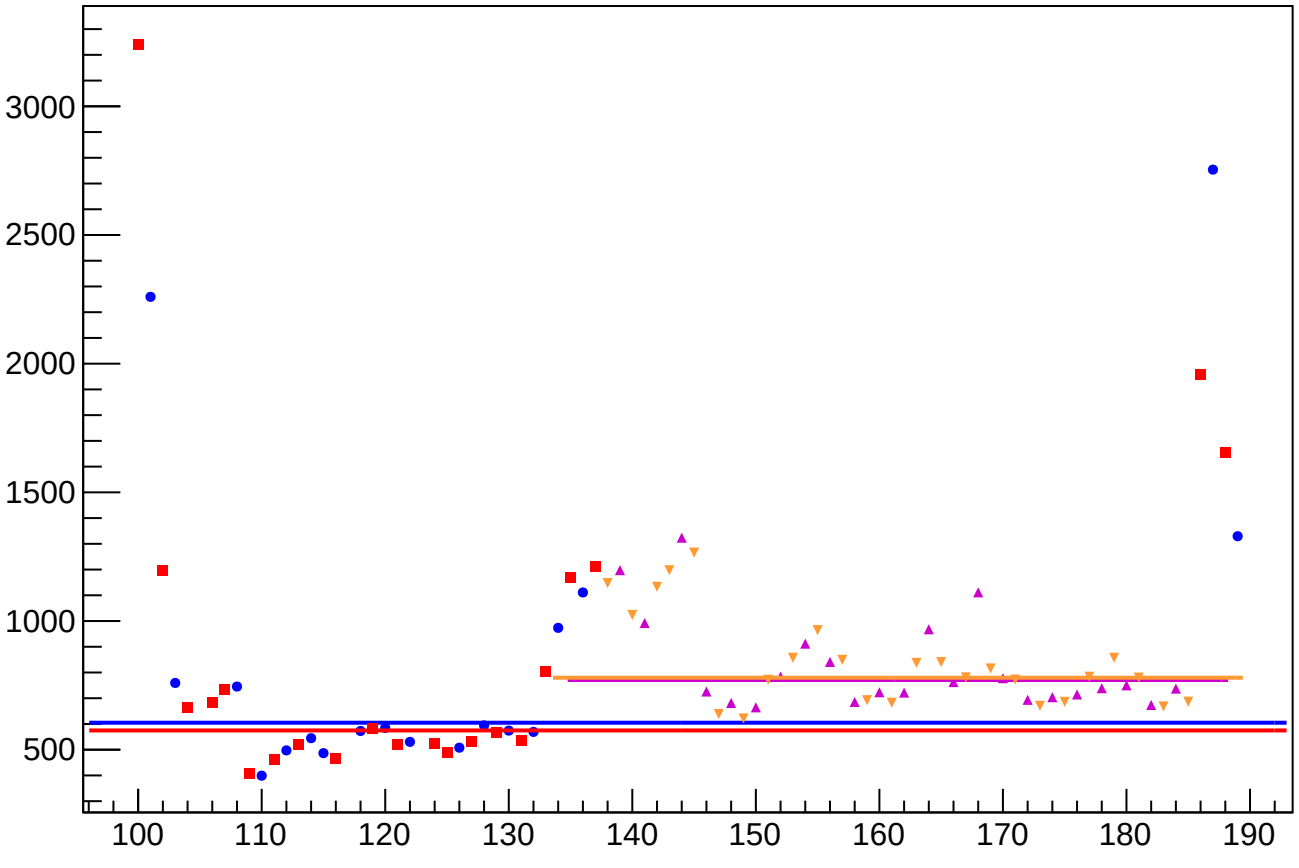
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 310.673+/-157.134 χ^2/NDF: 41.1/38

In: 64.996+/-143.817 χ^2/NDF:38.2/40

Out: -160.741+/-138.278 χ^2/NDF:92.4/45

All: -52.304+/-99.678 χ^2/NDF: 132.0/86



Right In: 604.895+/-0.164 χ^2/NDF: 2094282.8/17

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 574.866+/-0.151 χ^2/NDF: 2213941.5/20

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

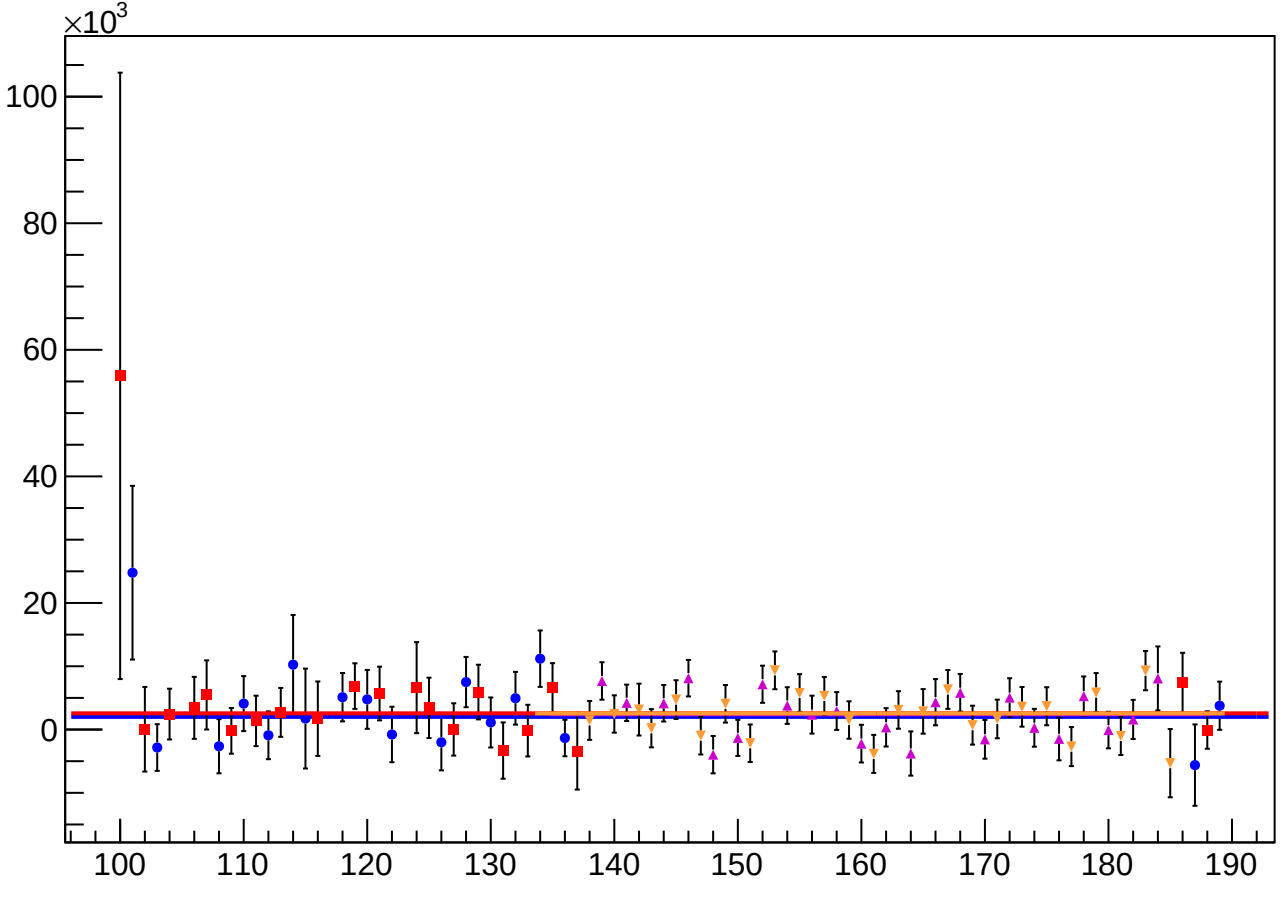
Right: 588.692+/-0.111 χ^2/NDF: 4326371.2/38

In: 706.811+/-0.102 χ^2/NDF:3801165.8/40

Out: 694.120+/-0.098 χ^2/NDF:4525386.6/45

All: 700.216+/-0.070 χ^2/NDF: 8334645.5/86

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2002.084+/-1023.260 χ^2/NDF: 19.5/17

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2563.200+/-968.571 χ^2/NDF: 11.8/20

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

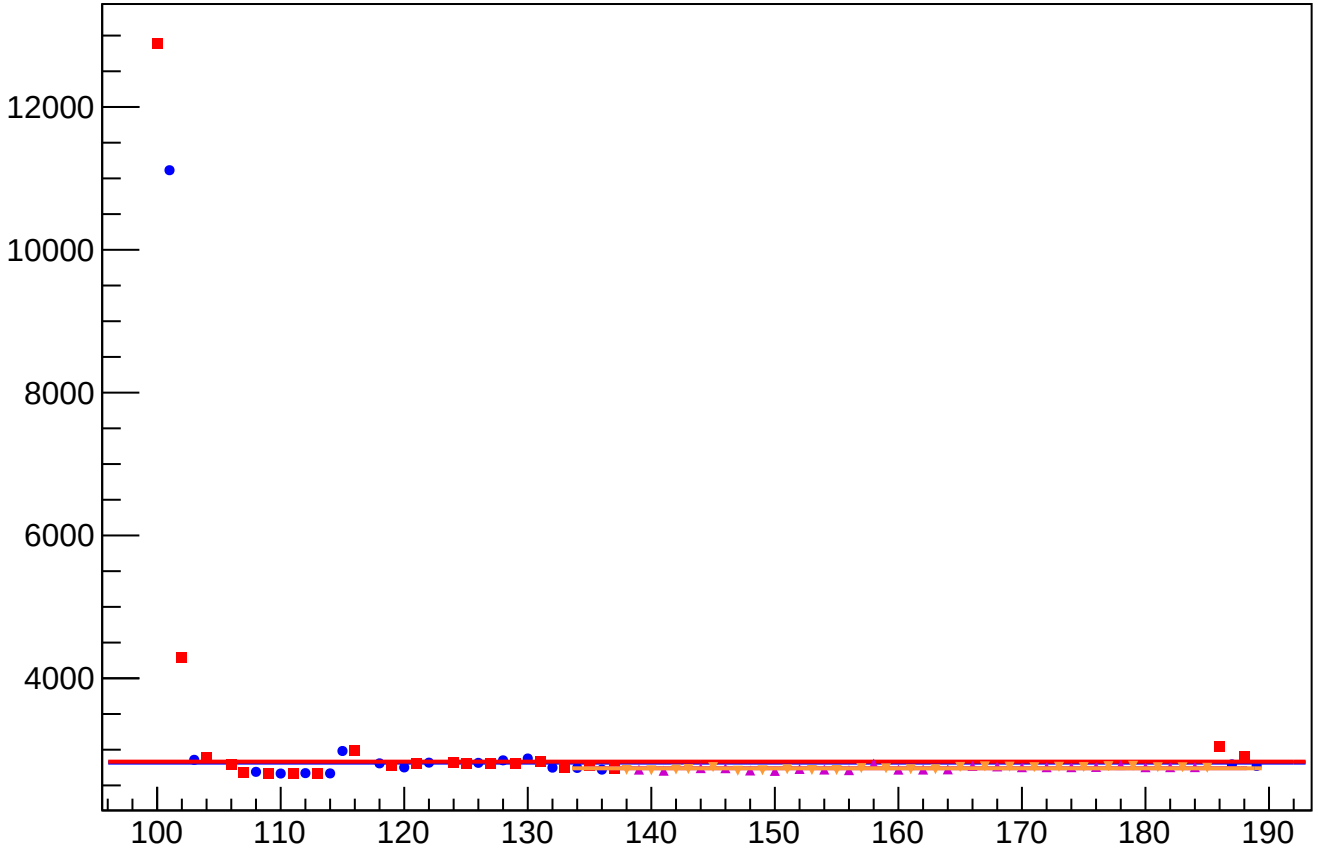
Right: 2298.037+/-703.423 χ^2/NDF: 31.4/38

In: 2293.017+/-542.660 χ^2/NDF:51.4/40

Out: 2550.348+/-523.514 χ^2/NDF:43.7/45

All: 2426.302+/-376.767 χ^2/NDF: 95.2/86

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2819.033+/-0.724 χ^2/NDF: 744278.0/17

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2832.685+/-0.685 χ^2/NDF: 206199.4/20

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

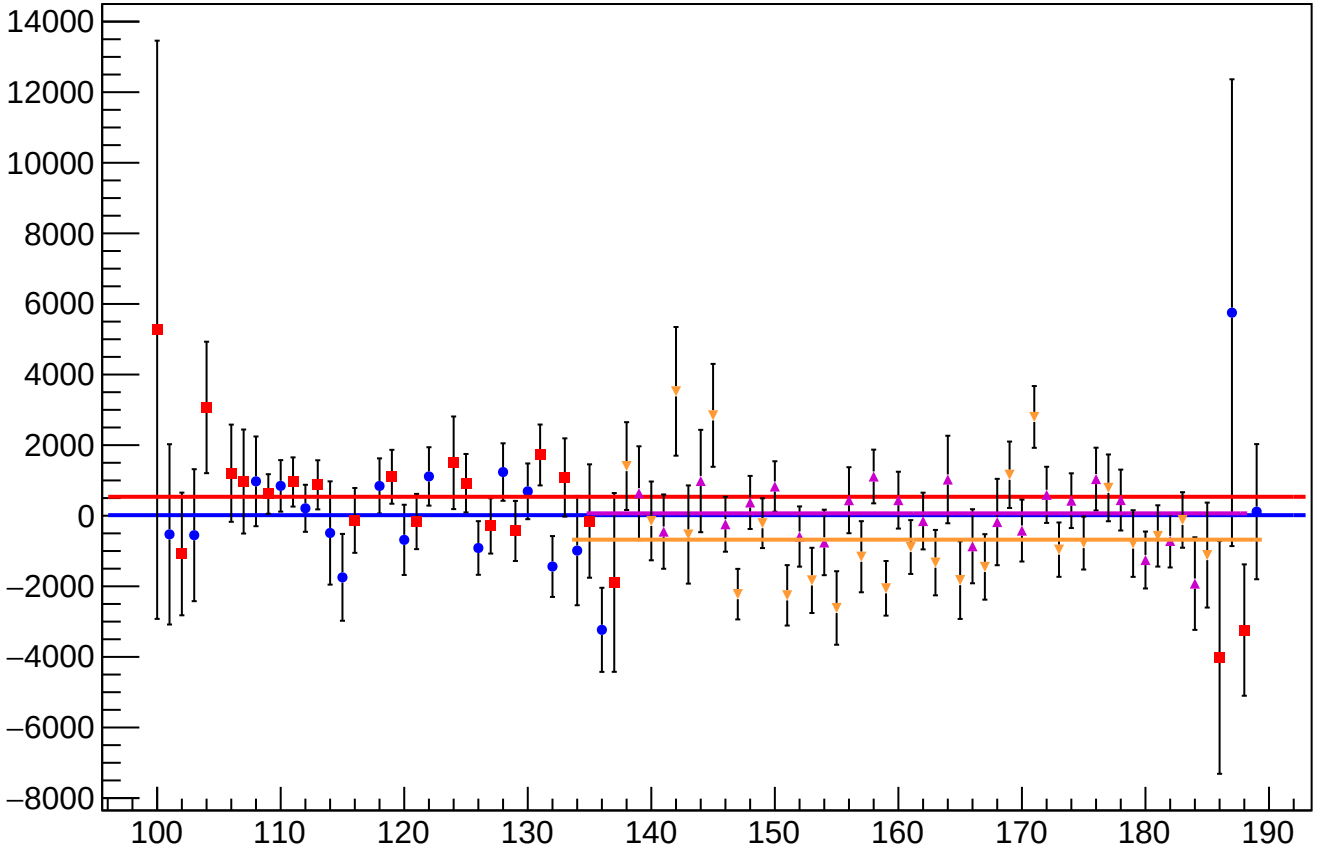
Right: 2826.233+/-0.497 χ^2/NDF: 950665.2/38

In: 2763.227+/-0.384 χ^2/NDF:755923.8/40

Out: 2766.584+/-0.370 χ^2/NDF:221681.0/45

All: 2764.966+/-0.266 χ^2/NDF: 977644.4/86

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.964+/-235.500 χ^2/NDF: 23.6/17

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 536.554+/-215.172 χ^2/NDF: 18.3/20

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

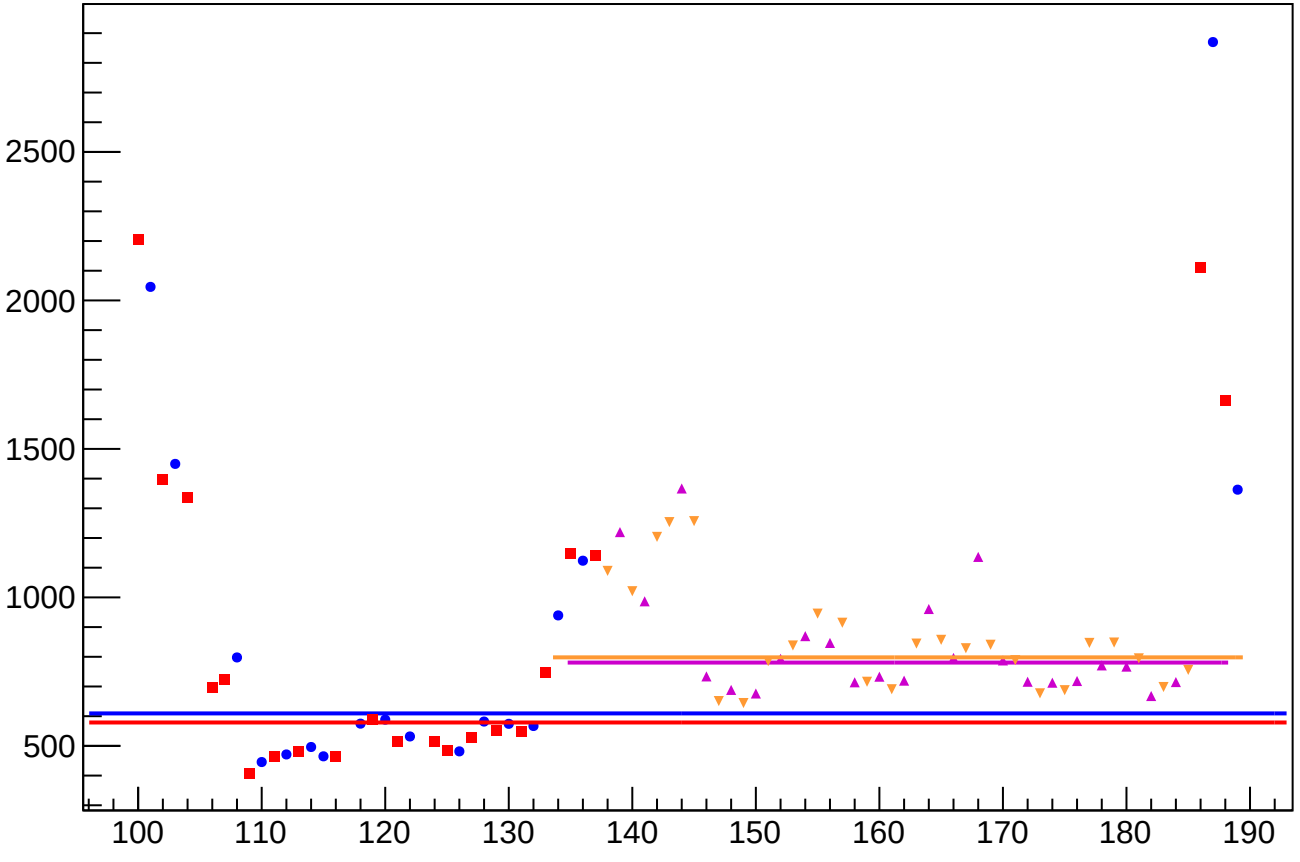
Right: 299.693+/-158.851 χ^2/NDF: 44.5/38

In: 47.564+/-145.691 χ^2/NDF:39.4/40

Out: -161.896+/-140.282 χ^2/NDF:92.8/45

All: -61.127+/-101.052 χ^2/NDF: 133.3/86

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 609.362+/-0.167 χ^2/NDF: 2403537.1/17

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 578.780+/-0.152 χ^2/NDF: 2760182.7/20

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

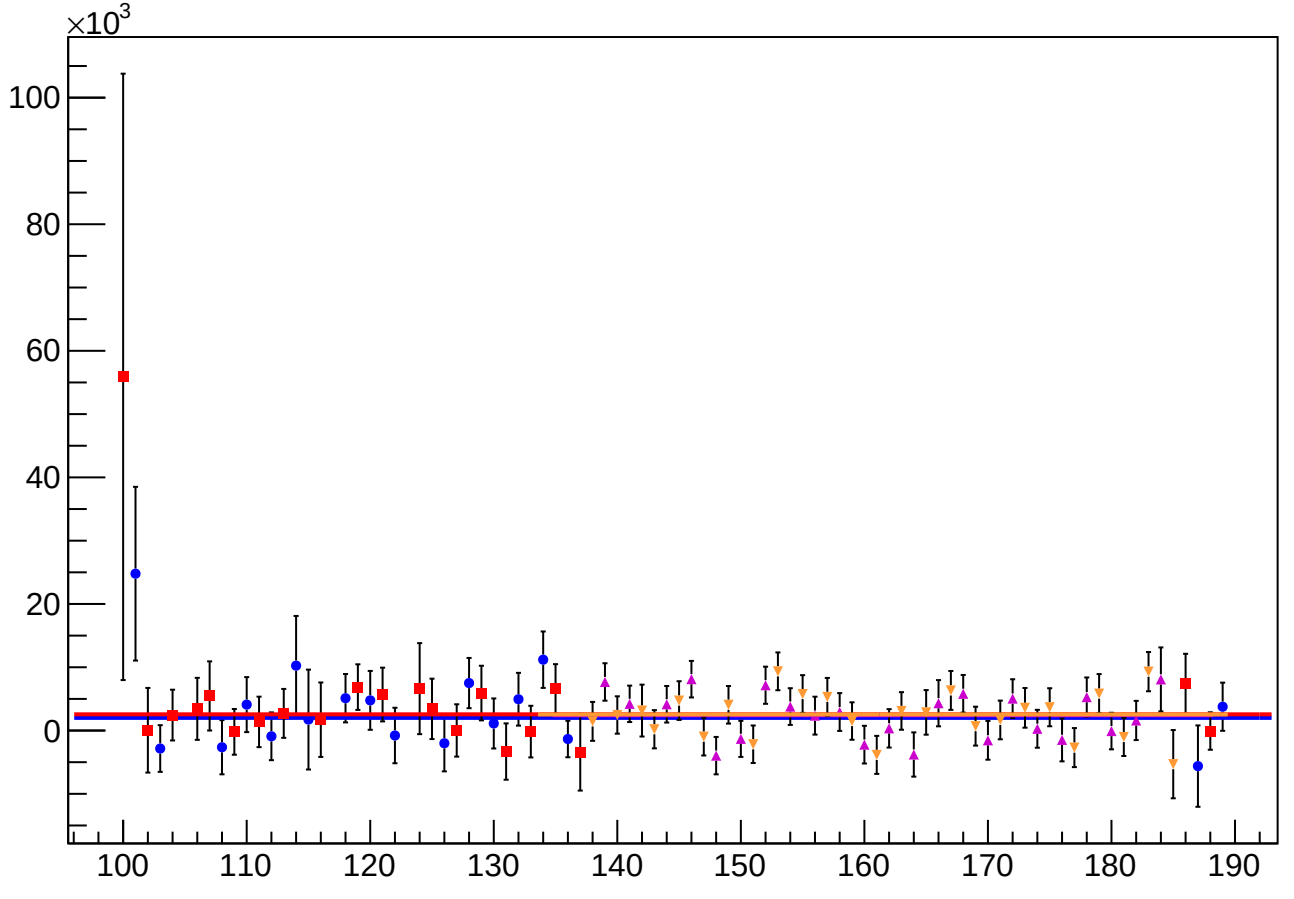
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 592.694+/-0.112 χ^2/NDF: 5182101.0/38

In: 715.017+/-0.103 χ^2/NDF:4120520.1/40

Out: 704.875+/-0.099 χ^2/NDF:5123120.9/45

All: 709.754+/-0.071 χ^2/NDF: 9248669.9/86



Right In: 2002.084+/-1023.260 χ^2/NDF: 19.5/17

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2563.197+/-968.571 χ^2/NDF: 11.8/20

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

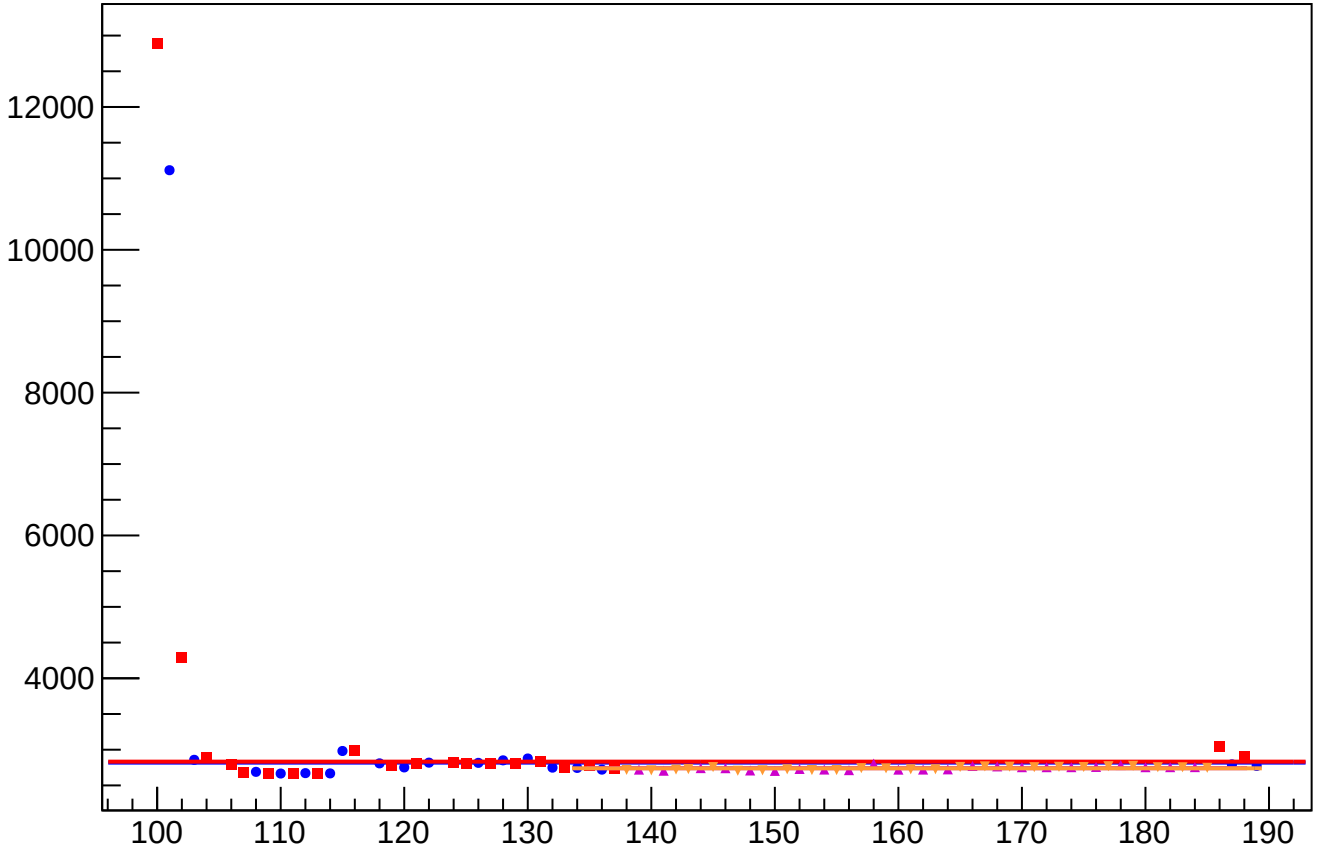
Right: 2298.035+/-703.423 χ^2/NDF: 31.4/38

In: 2293.017+/-542.660 χ^2/NDF:51.4/40

Out: 2550.347+/-523.514 χ^2/NDF:43.7/45

All: 2426.302+/-376.767 χ^2/NDF: 95.2/86

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2819.033+/-0.724 χ^2/NDF: 744278.0/17

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2832.685+/-0.685 χ^2/NDF: 206199.3/20

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

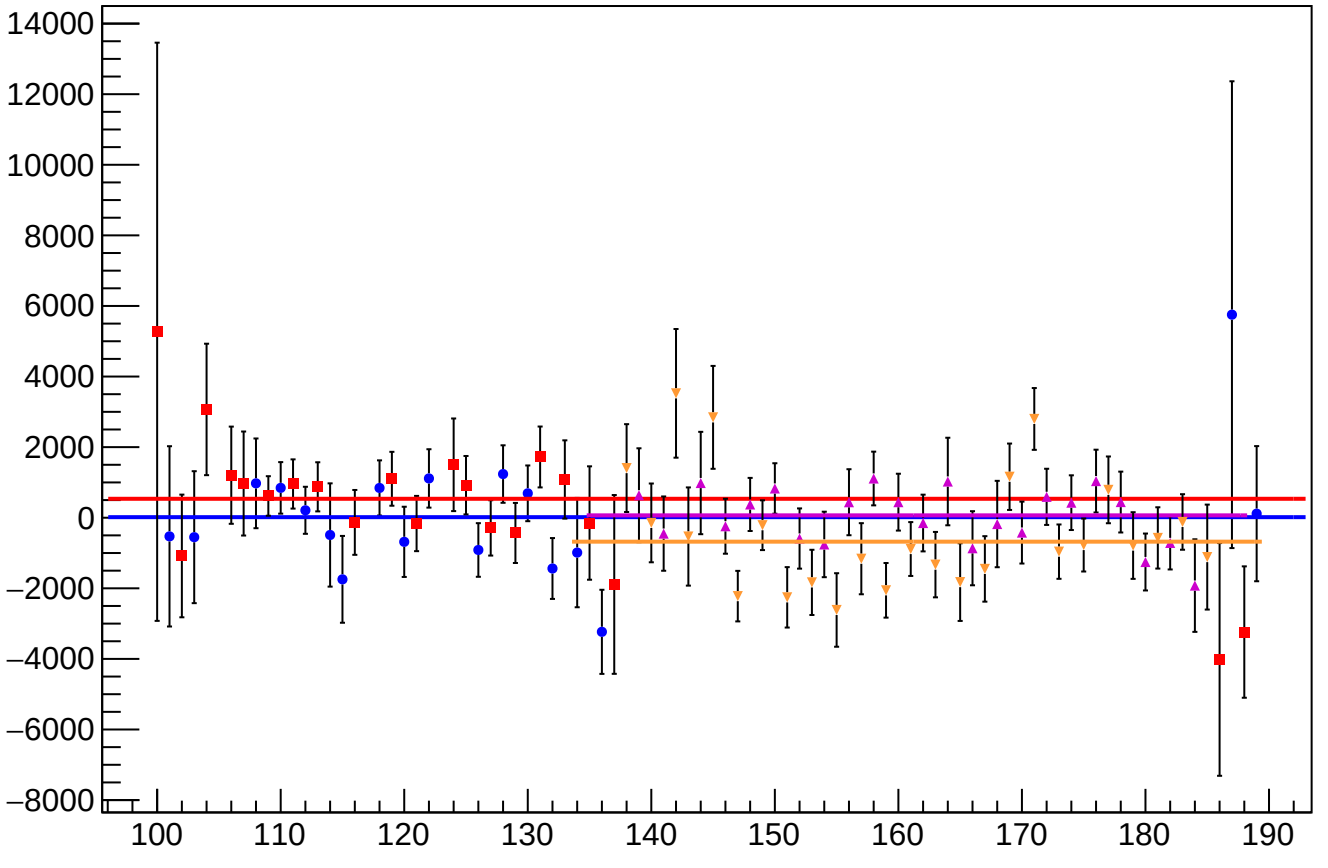
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2826.233+/-0.497 χ^2/NDF: 950665.0/38

In: 2763.227+/-0.384 χ^2/NDF:755923.8/40

Out: 2766.584+/-0.370 χ^2/NDF:221680.7/45

All: 2764.966+/-0.266 χ^2/NDF: 977644.2/86



Right In: 15.964+/-235.500 χ^2/NDF: 23.6/17

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 536.554+/-215.172 χ^2/NDF: 18.3/20

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

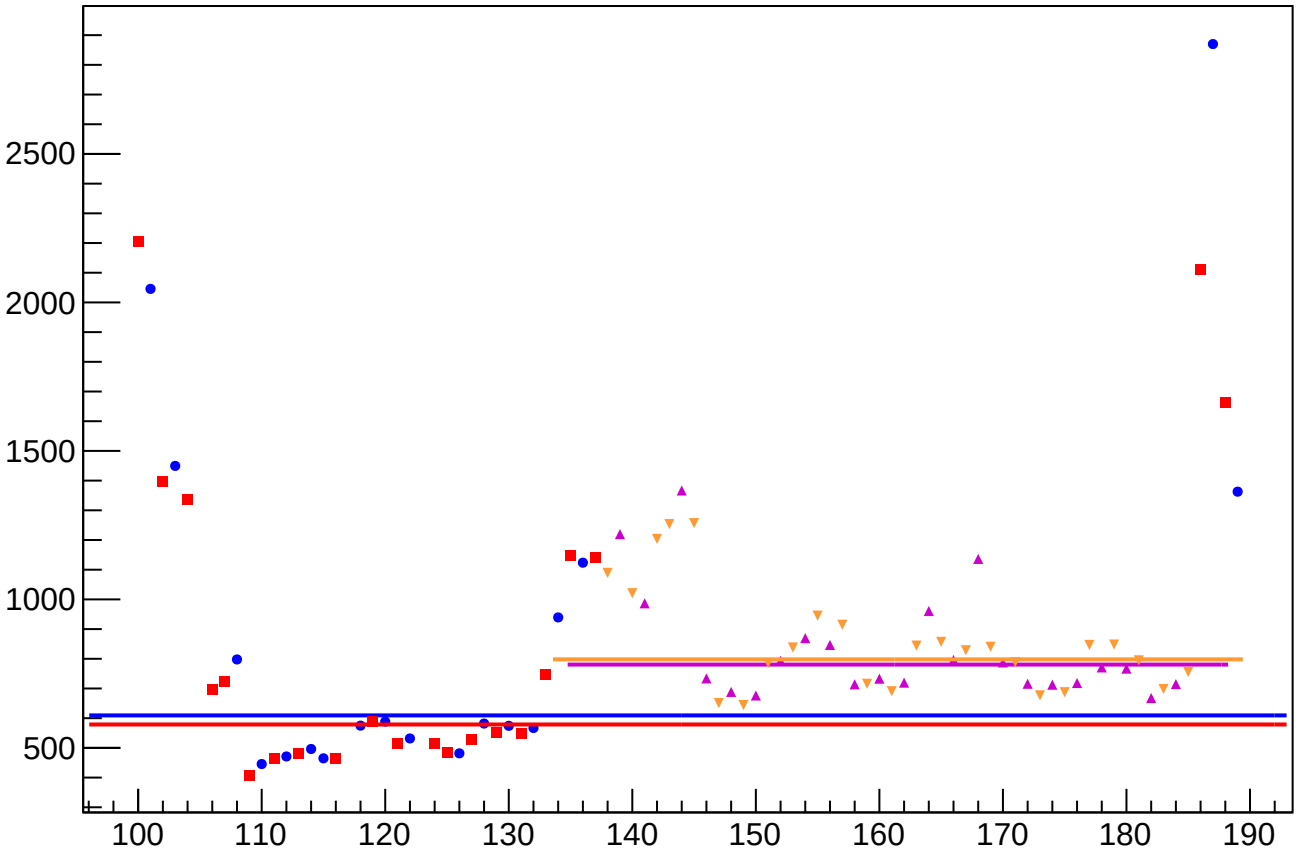
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 299.693+/-158.851 χ^2/NDF: 44.5/38

In: 47.564+/-145.691 χ^2/NDF:39.4/40

Out: -161.897+/-140.282 χ^2/NDF:92.8/45

All: -61.127+/-101.052 χ^2/NDF: 133.3/86



Right In: 609.362+/-0.167 χ^2/NDF: 2403531.7/17

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 578.780+/-0.152 χ^2/NDF: 2760181.1/20

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

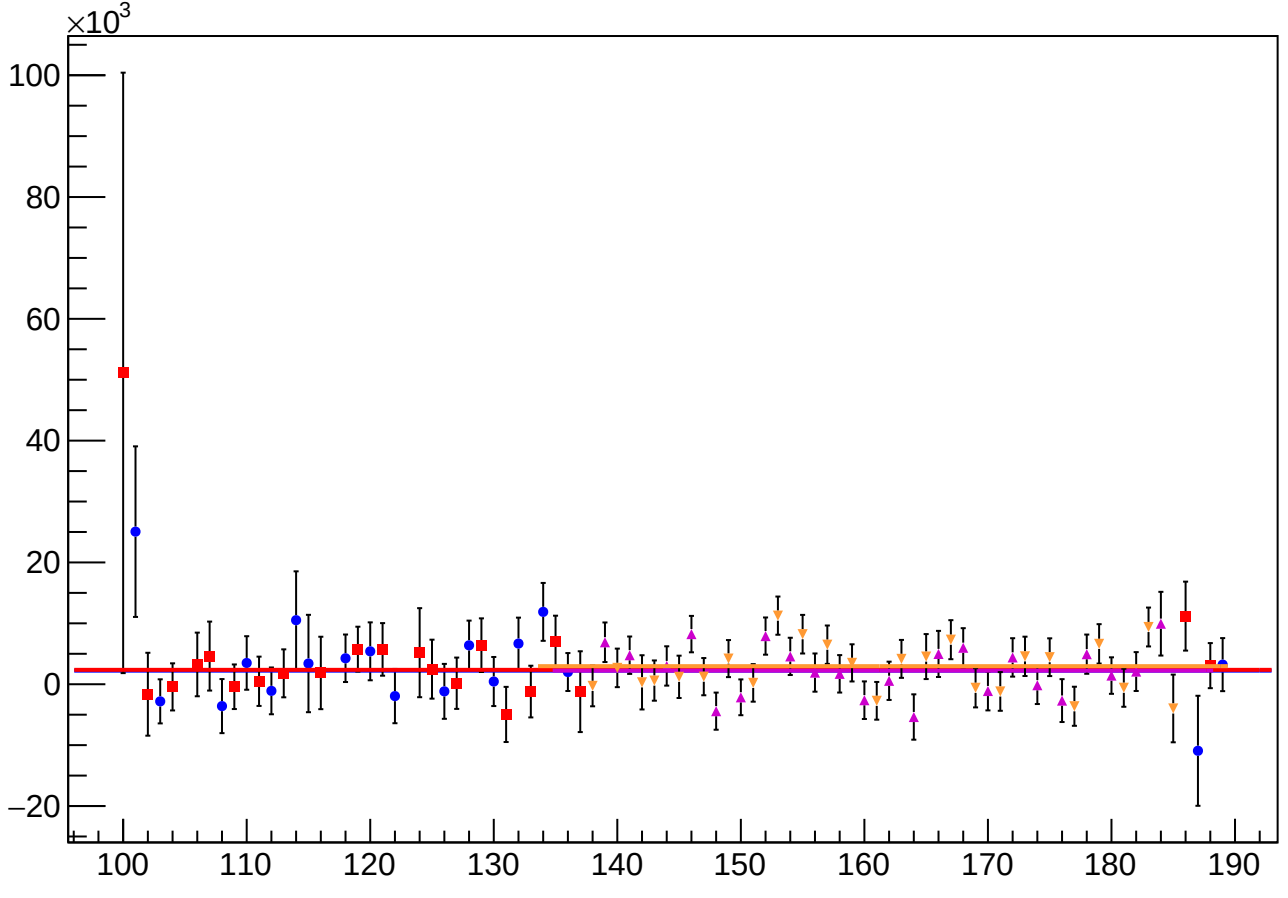
Right: 592.695+/-0.112 χ^2/NDF: 5182094.3/38

In: 715.017+/-0.103 χ^2/NDF:4120513.1/40

Out: 704.876+/-0.099 χ^2/NDF:5123120.2/45

All: 709.755+/-0.071 χ^2/NDF: 9248662.2/86

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2233.428+/-1064.688 χ^2/NDF: 19.0/17

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2363.604+/-1015.863 χ^2/NDF: 12.9/20

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

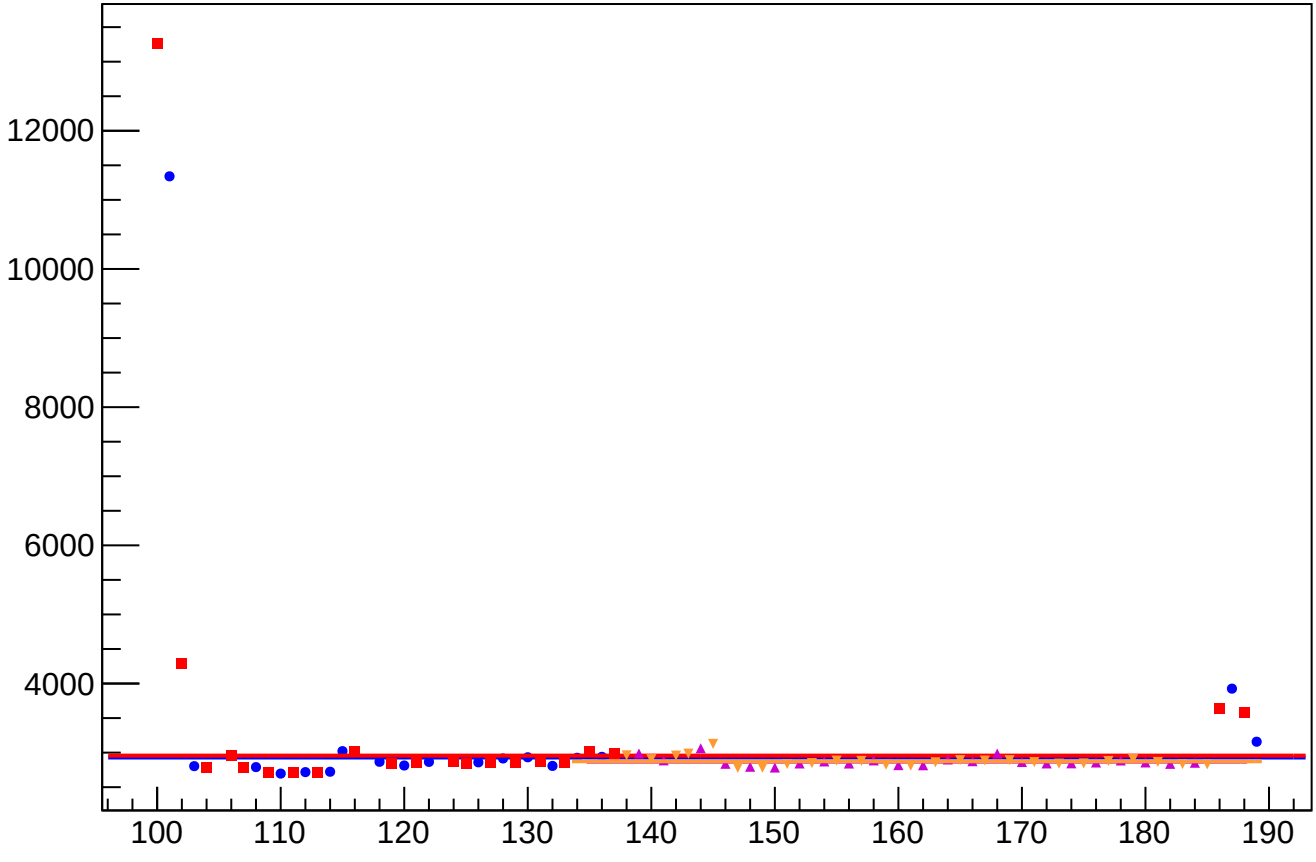
Right: 2301.569+/-734.978 χ^2/NDF: 31.9/38

In: 2236.340+/-567.261 χ^2/NDF:52.8/40

Out: 2792.120+/-549.473 χ^2/NDF:48.9/45

All: 2523.081+/-394.675 χ^2/NDF: 102.2/86

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2929.504+/-0.753 χ^2/NDF: 773092.5/17

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 2956.815+/-0.718 χ^2/NDF: 290925.5/20

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

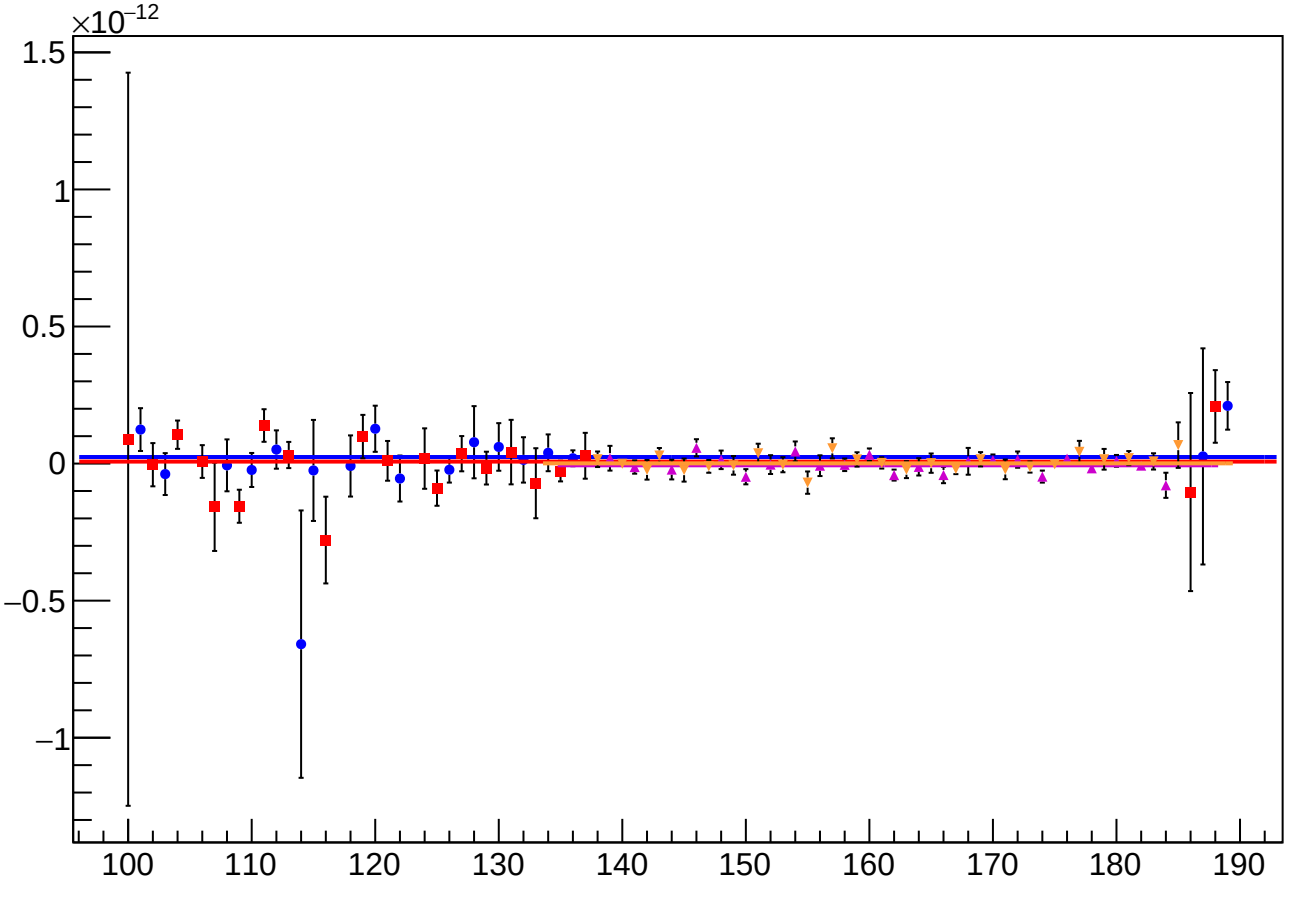
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 2943.800+/-0.520 χ^2/NDF: 1064706.8/38

In: 2887.001+/-0.401 χ^2/NDF:795230.7/40

Out: 2898.889+/-0.389 χ^2/NDF:321906.5/45

All: 2893.134+/-0.279 χ^2/NDF: 1117590.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/20

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

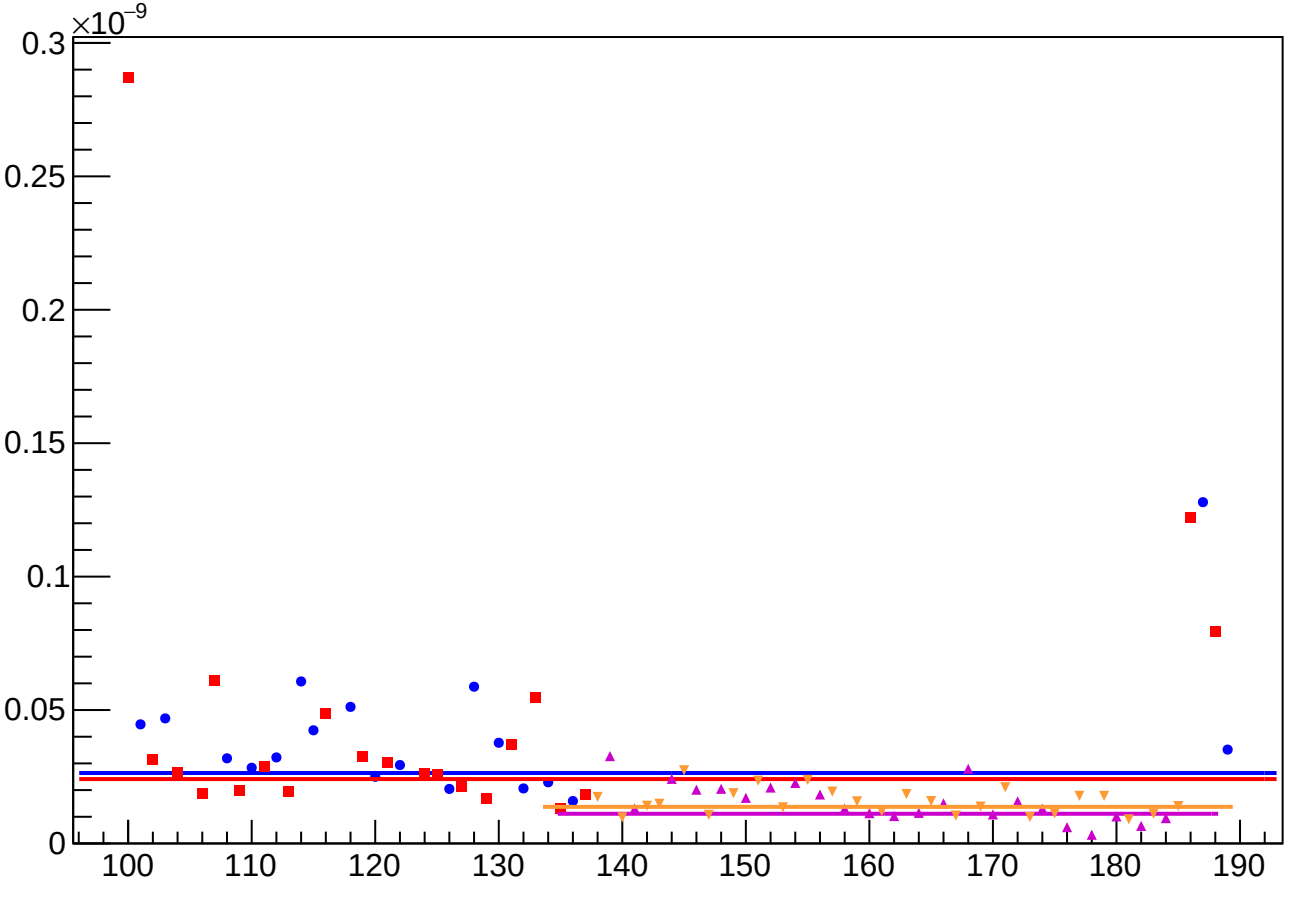
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 42.4/38

In: -0.000+/-0.000 χ^2/NDF:44.7/40

Out: 0.000+/-0.000 χ^2/NDF:42.7/45

All: -0.000+/-0.000 χ^2/NDF: 88.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 1020330.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1189694.6/20

Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

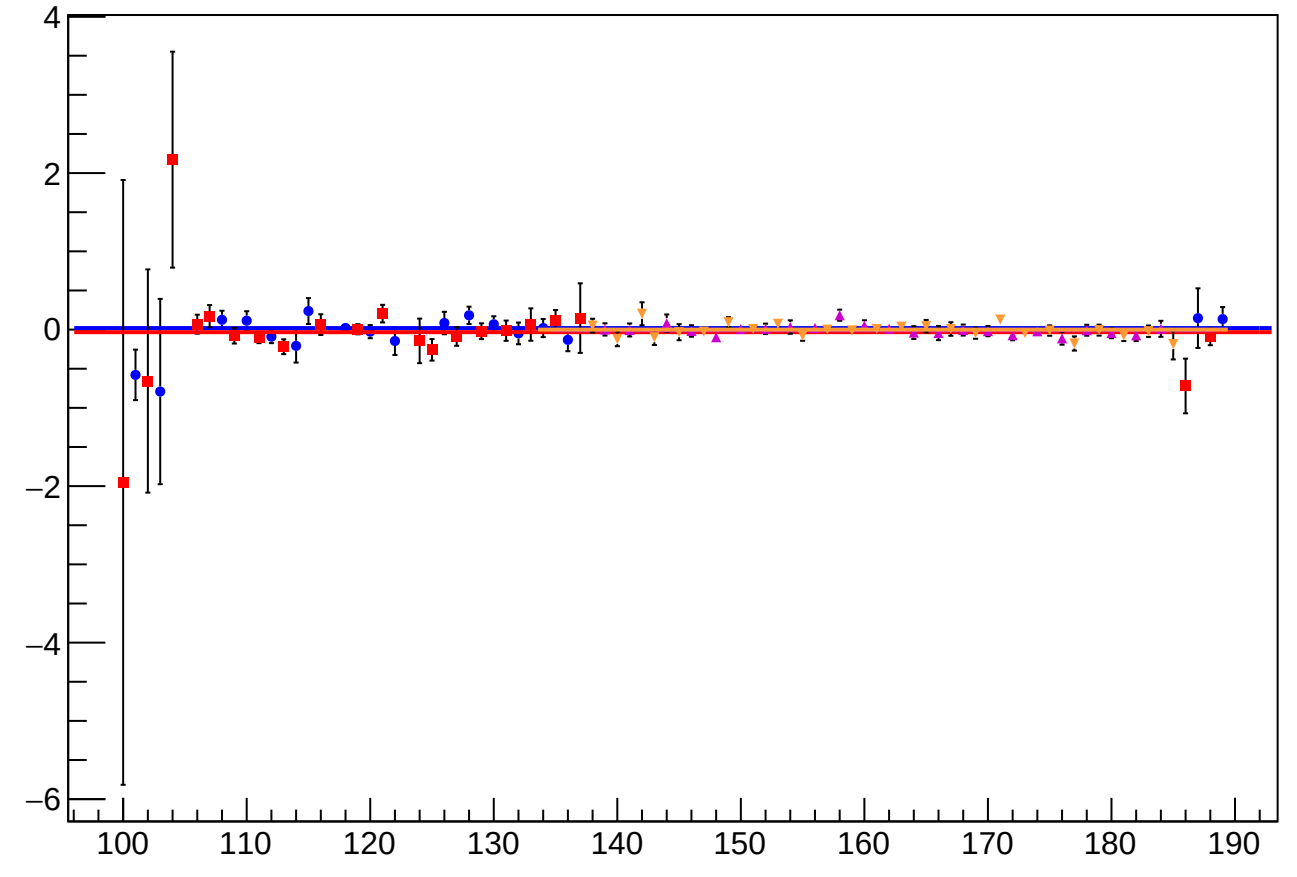
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 2229972.2/38

In: 0.000+/-0.000 χ^2/NDF:5747857.7/40

Out: 0.000+/-0.000 χ^2/NDF:3198430.8/45

All: 0.000+/-0.000 χ^2/NDF: 9187710.2/86



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.033+/-0.027 χ^2/NDF: 25.1/20

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

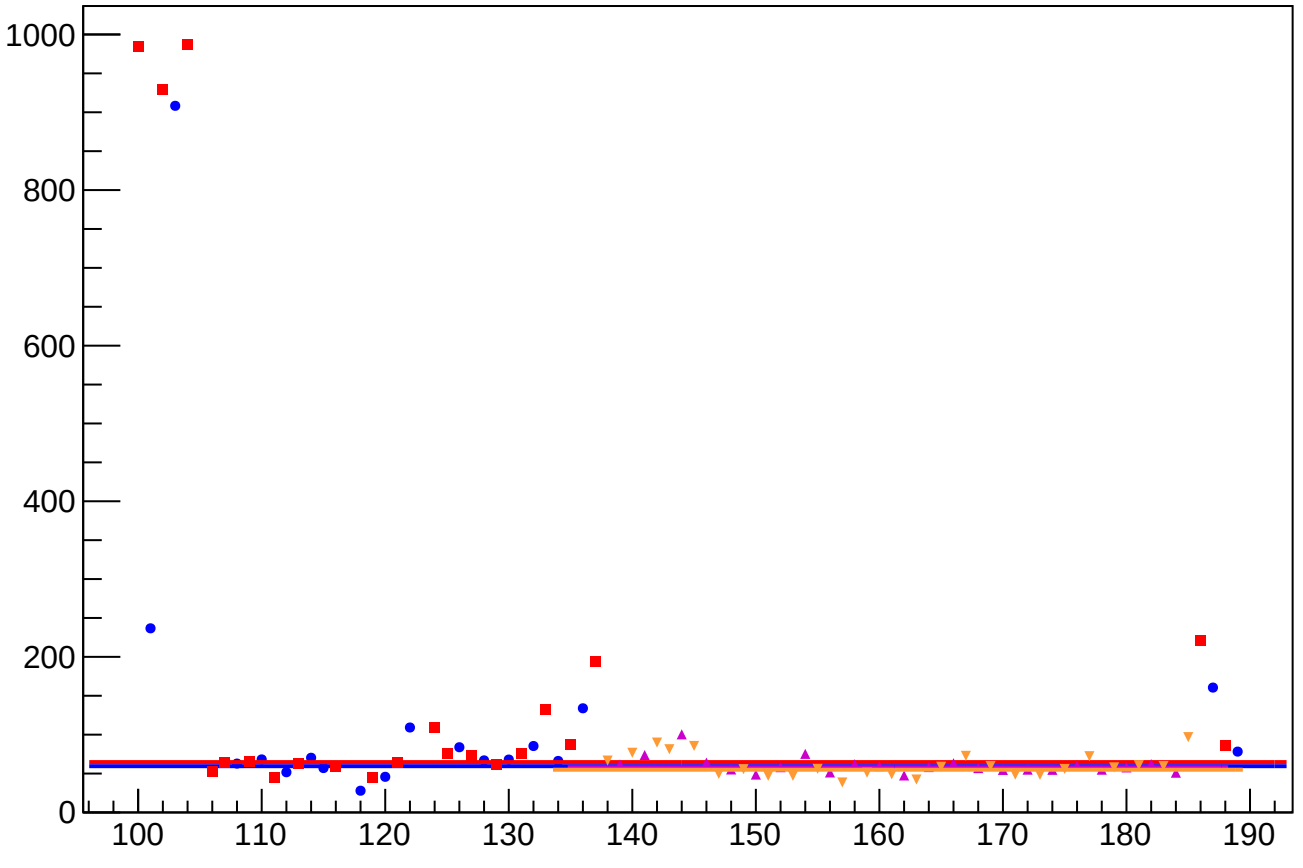
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.007+/-0.019 χ^2/NDF: 42.7/38

In: -0.002+/-0.013 χ^2/NDF:32.1/40

Out: -0.007+/-0.012 χ^2/NDF:48.8/45

All: -0.005+/-0.009 χ^2/NDF: 80.9/86



Right In: 59.471+/-0.019 χ^2/NDF: 3434664.5/17

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 64.739+/-0.019 χ^2/NDF: 3126042.4/20

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

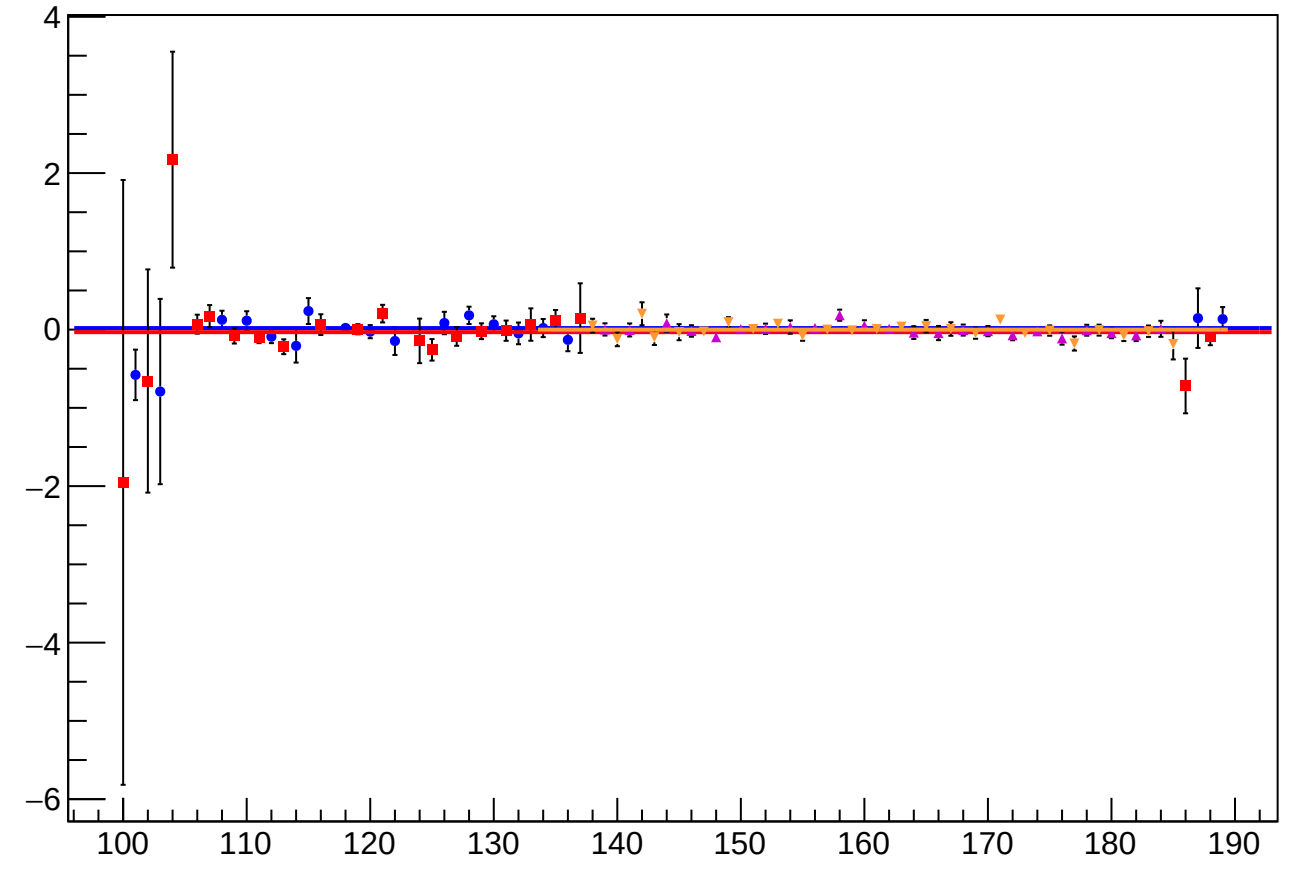
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 62.133+/-0.014 χ^2/NDF: 6598290.5/38

In: 58.442+/-0.009 χ^2/NDF:4095781.8/40

Out: 57.028+/-0.009 χ^2/NDF:4630762.9/45

All: 57.705+/-0.006 χ^2/NDF: 8738804.9/86



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.033+/-0.027 χ^2/NDF: 25.1/20

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

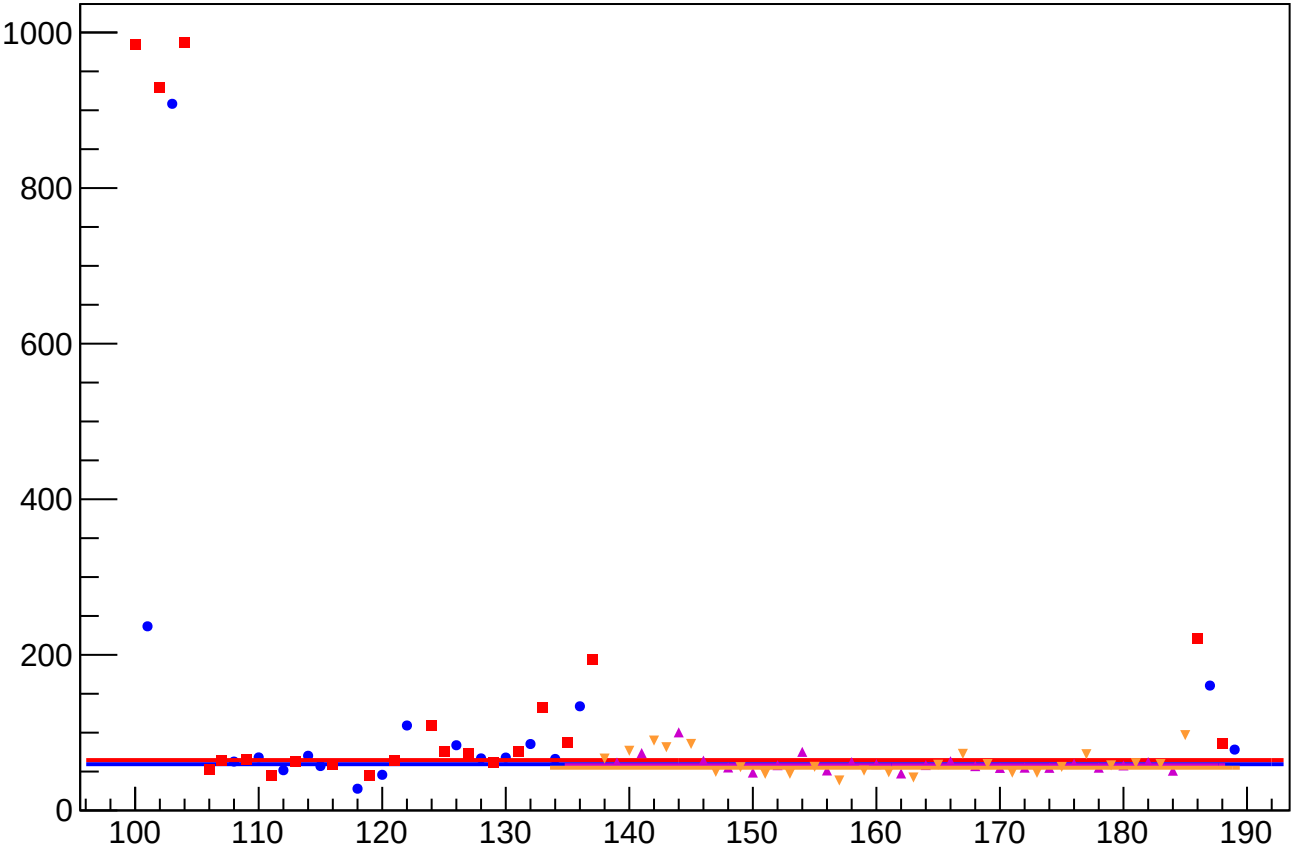
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.007+/-0.019 χ^2/NDF: 42.7/38

In: -0.002+/-0.013 χ^2/NDF:32.1/40

Out: -0.007+/-0.012 χ^2/NDF:48.8/45

All: -0.005+/-0.009 χ^2/NDF: 80.9/86



Right In: 59.471+/-0.019 χ^2/NDF: 3434664.5/17

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 64.739+/-0.019 χ^2/NDF: 3126042.4/20

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

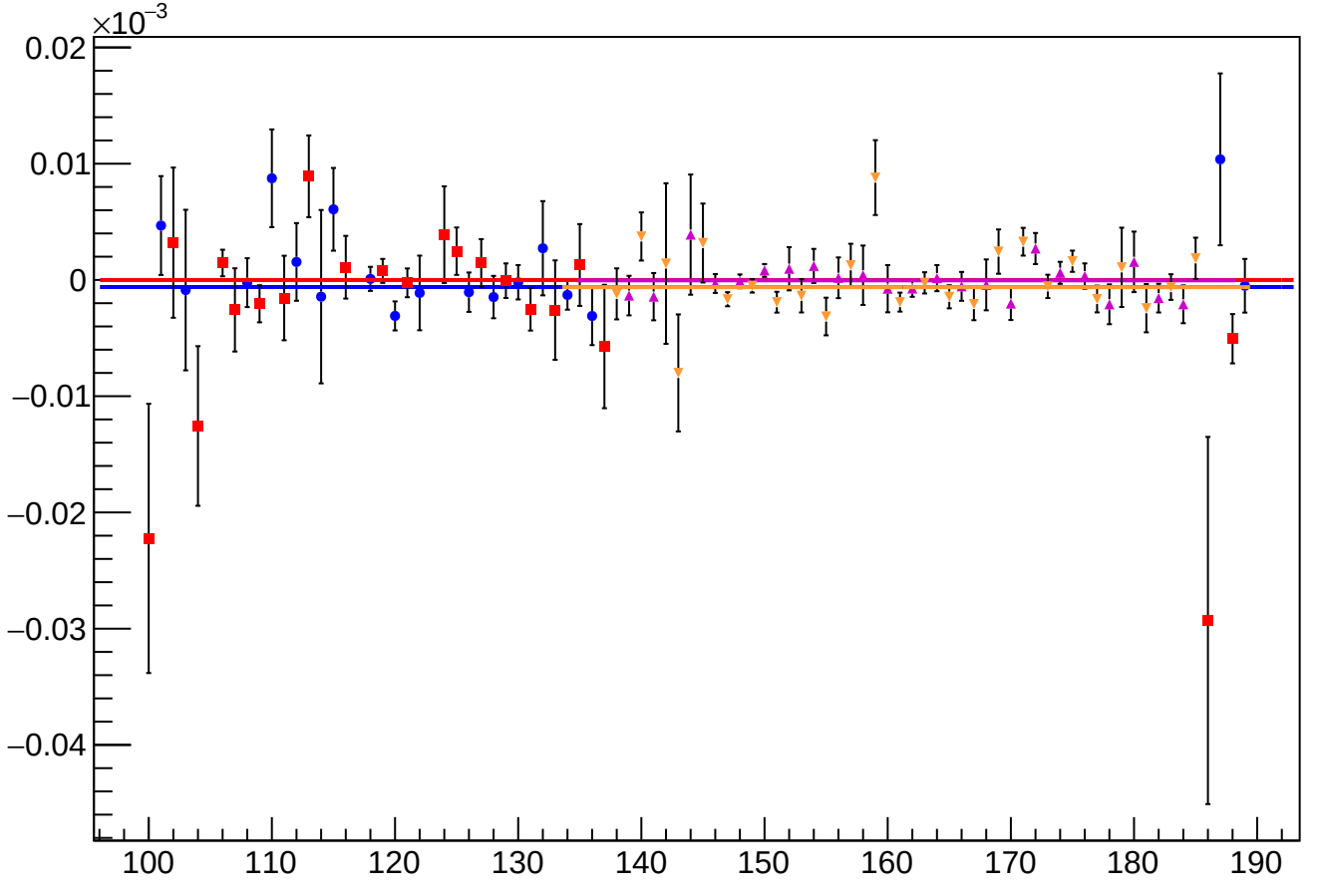
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 62.133+/-0.014 χ^2/NDF: 6598290.5/38

In: 58.442+/-0.009 χ^2/NDF:4095781.8/40

Out: 57.028+/-0.009 χ^2/NDF:4630762.9/45

All: 57.705+/-0.006 χ^2/NDF: 8738804.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/20

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

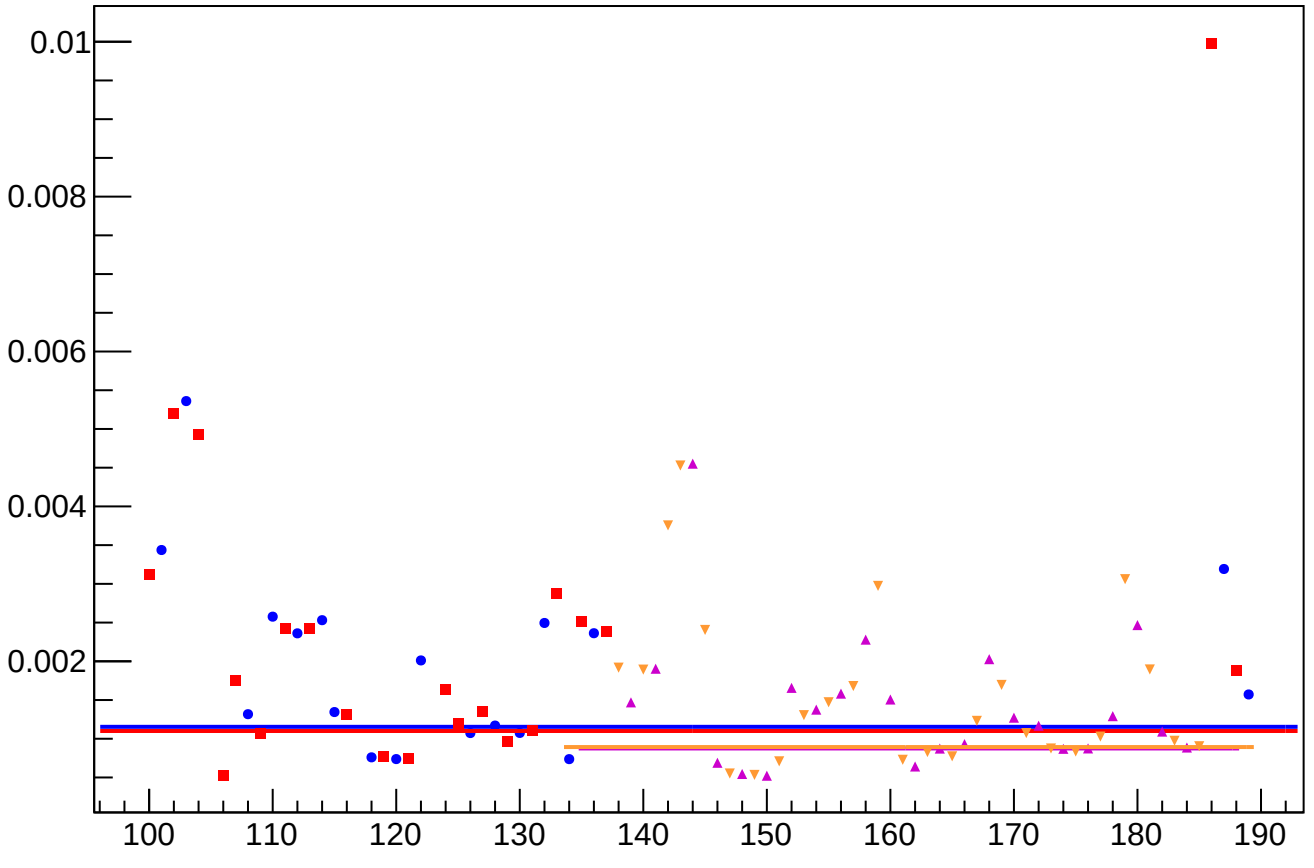
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 54.3/38

In: -0.000+/-0.000 χ^2/NDF:38.8/40

Out: -0.000+/-0.000 χ^2/NDF:88.2/45

All: -0.000+/-0.000 χ^2/NDF: 128.4/86



Right In: 0.001+/-0.000 χ^2/NDF: 3677063.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4770578.9/20

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

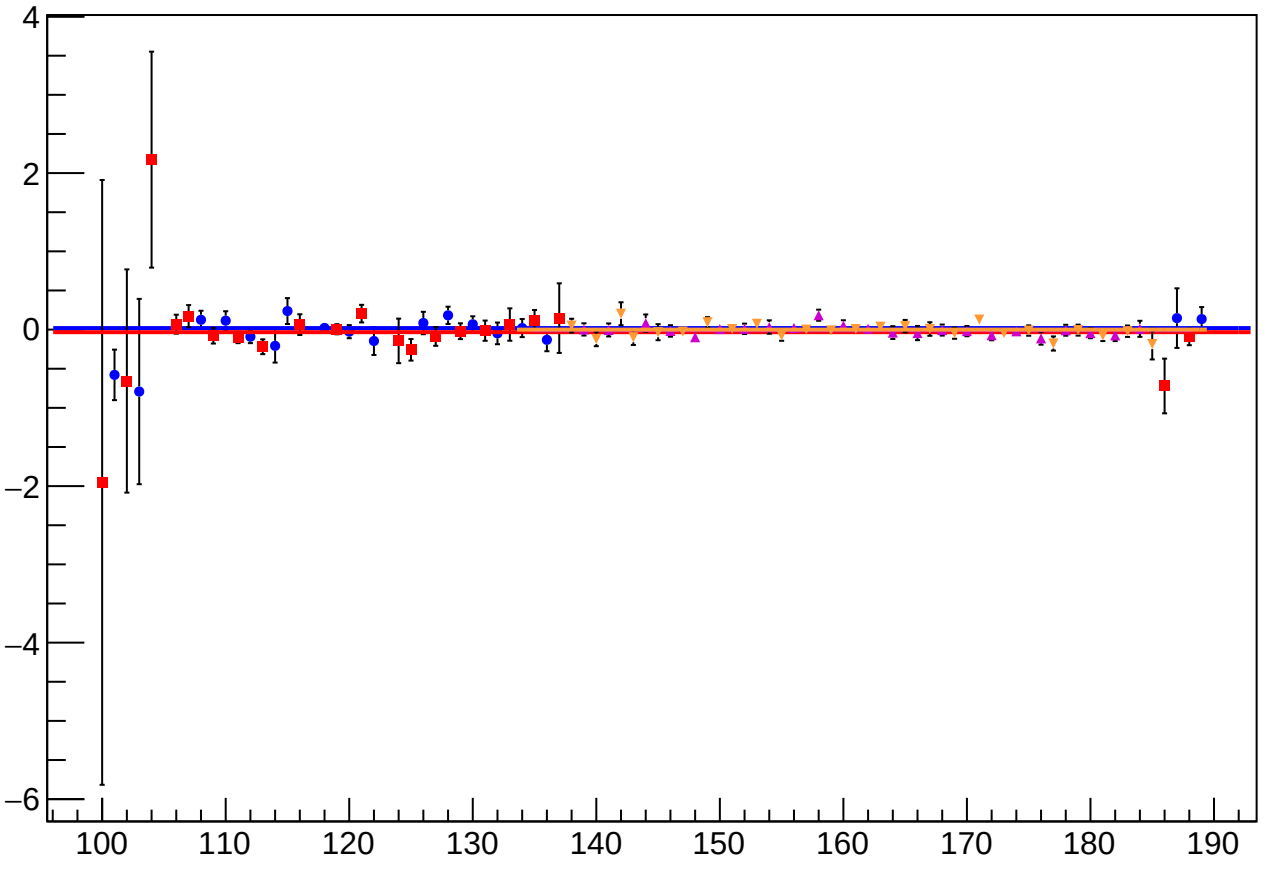
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 8460952.3/38

In: 0.001+/-0.000 χ^2/NDF:11189416.7/40

Out: 0.001+/-0.000 χ^2/NDF:12840365.8/45

All: 0.001+/-0.000 χ^2/NDF: 24030795.3/86



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.033+/-0.027 χ^2/NDF: 25.1/20

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

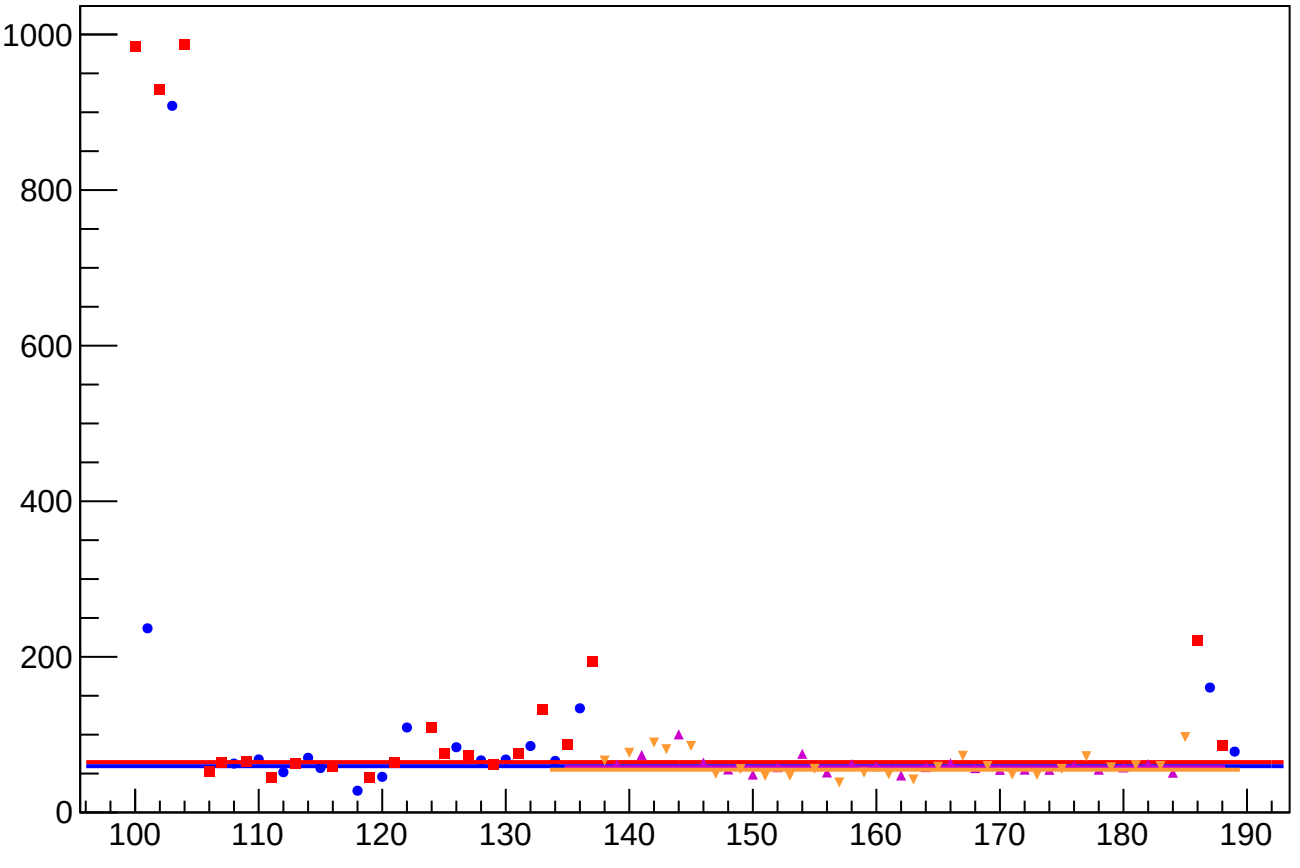
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.007+/-0.019 χ^2/NDF: 42.7/38

In: -0.002+/-0.013 χ^2/NDF:32.1/40

Out: -0.007+/-0.012 χ^2/NDF:48.8/45

All: -0.005+/-0.009 χ^2/NDF: 80.9/86



Right In: 59.470+/-0.019 χ^2/NDF: 3434750.8/17

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 64.738+/-0.019 χ^2/NDF: 3126042.1/20

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

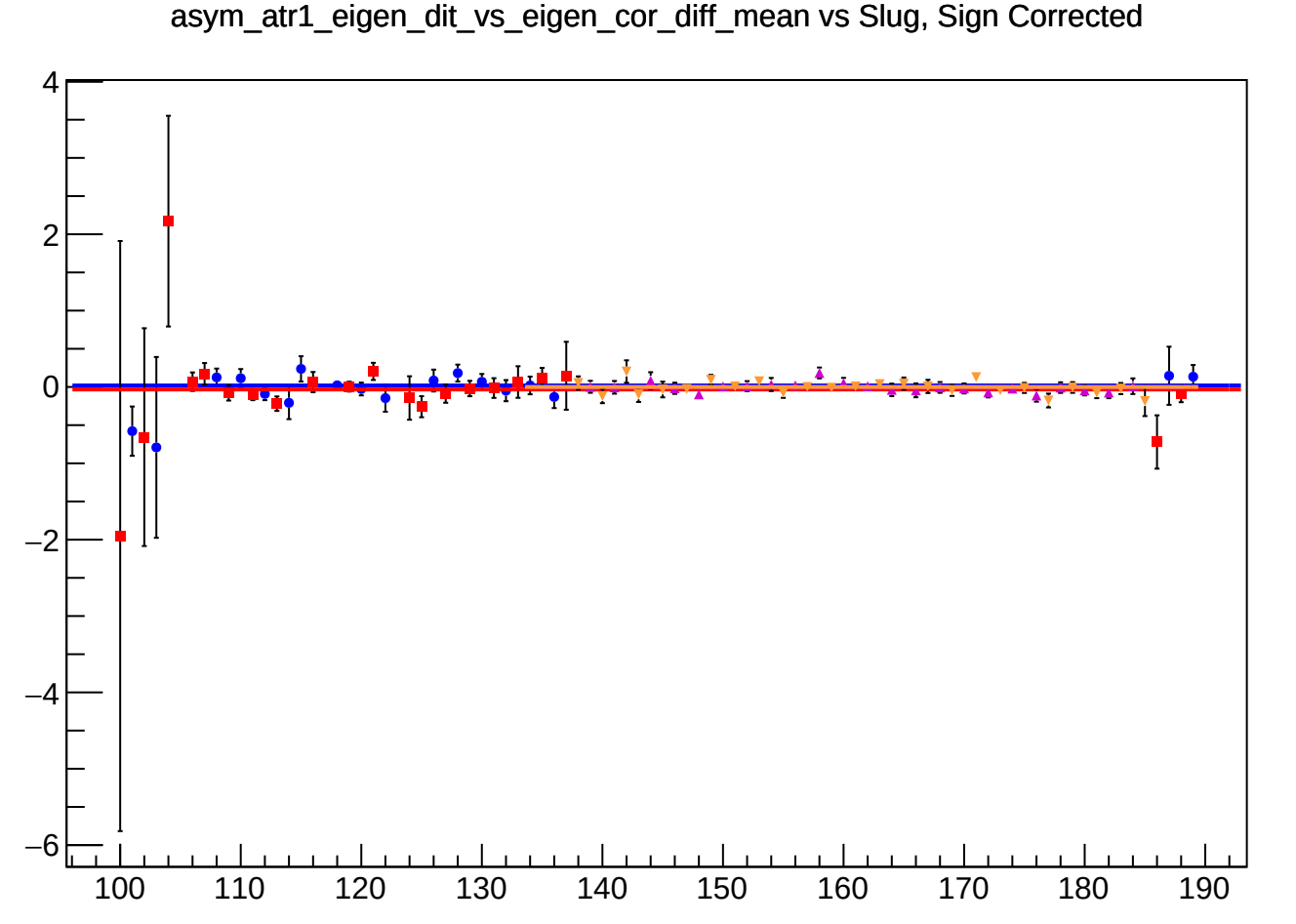
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 62.132+/-0.014 χ^2/NDF: 6598385.3/38

In: 58.442+/-0.009 χ^2/NDF:4095886.7/40

Out: 57.027+/-0.009 χ^2/NDF:4630847.2/45

All: 57.705+/-0.006 χ^2/NDF: 8738998.2/86



Right In: 0.019+/-0.027 χ^2/NDF: 15.7/17

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.033+/-0.027 χ^2/NDF: 25.1/20

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

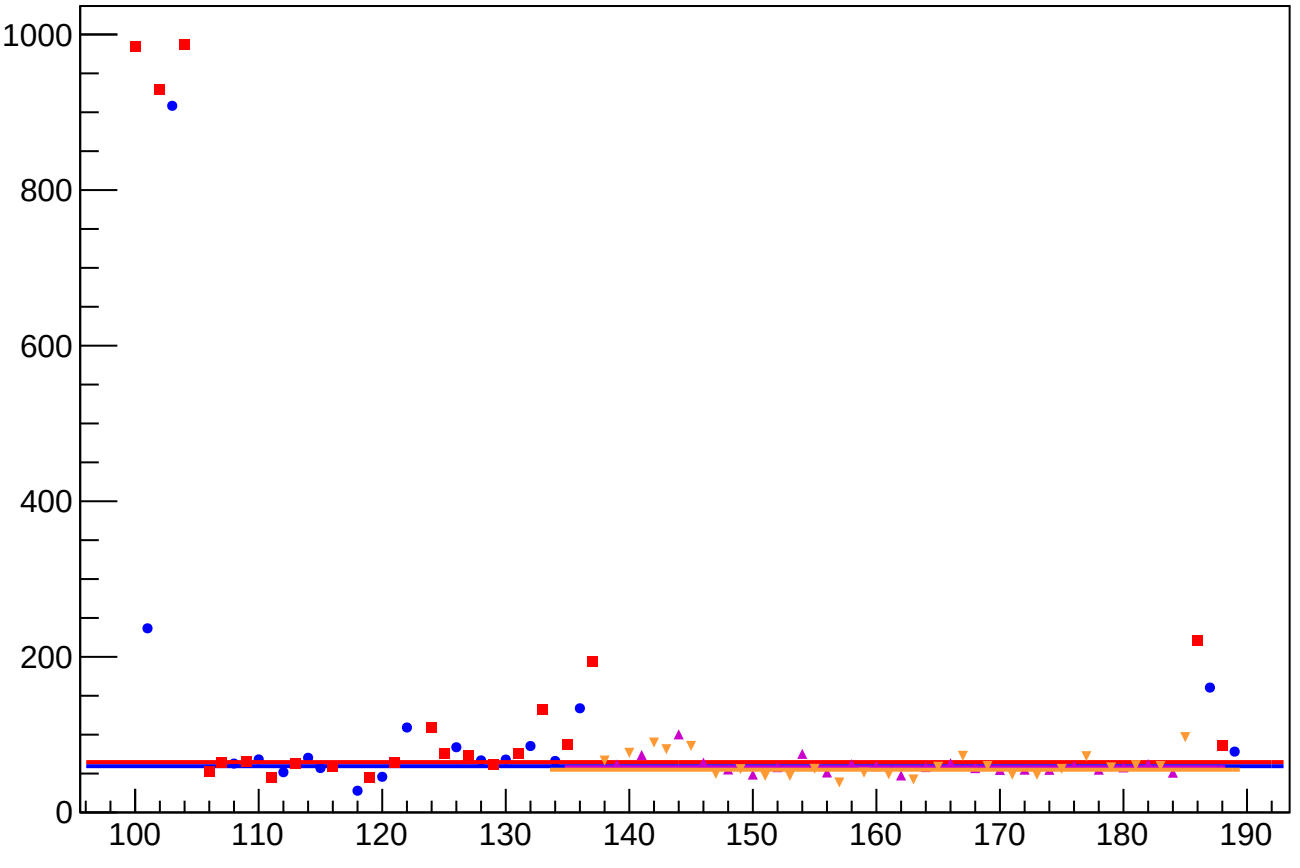
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.007+/-0.019 χ^2/NDF: 42.7/38

In: -0.002+/-0.013 χ^2/NDF:32.1/40

Out: -0.007+/-0.012 χ^2/NDF:48.8/45

All: -0.005+/-0.009 χ^2/NDF: 80.9/86



Right In: 59.470+/-0.019 χ^2/NDF: 3434750.8/17

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 64.738+/-0.019 χ^2/NDF: 3126042.1/20

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

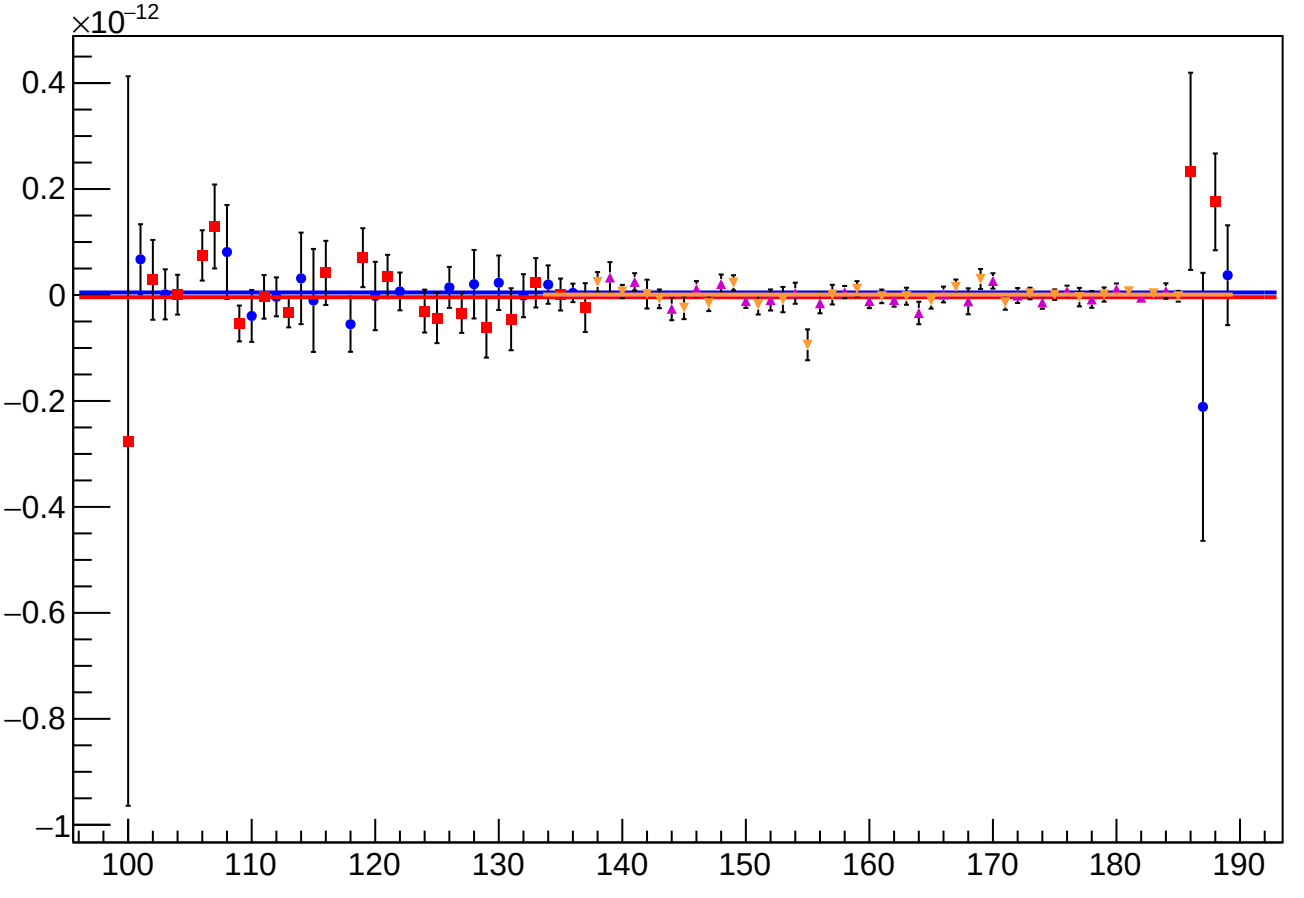
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 62.132+/-0.014 χ^2/NDF: 6598385.3/38

In: 58.442+/-0.009 χ^2/NDF:4095886.7/40

Out: 57.027+/-0.009 χ^2/NDF:4630847.2/45

All: 57.705+/-0.006 χ^2/NDF: 8738998.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 5.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/20

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

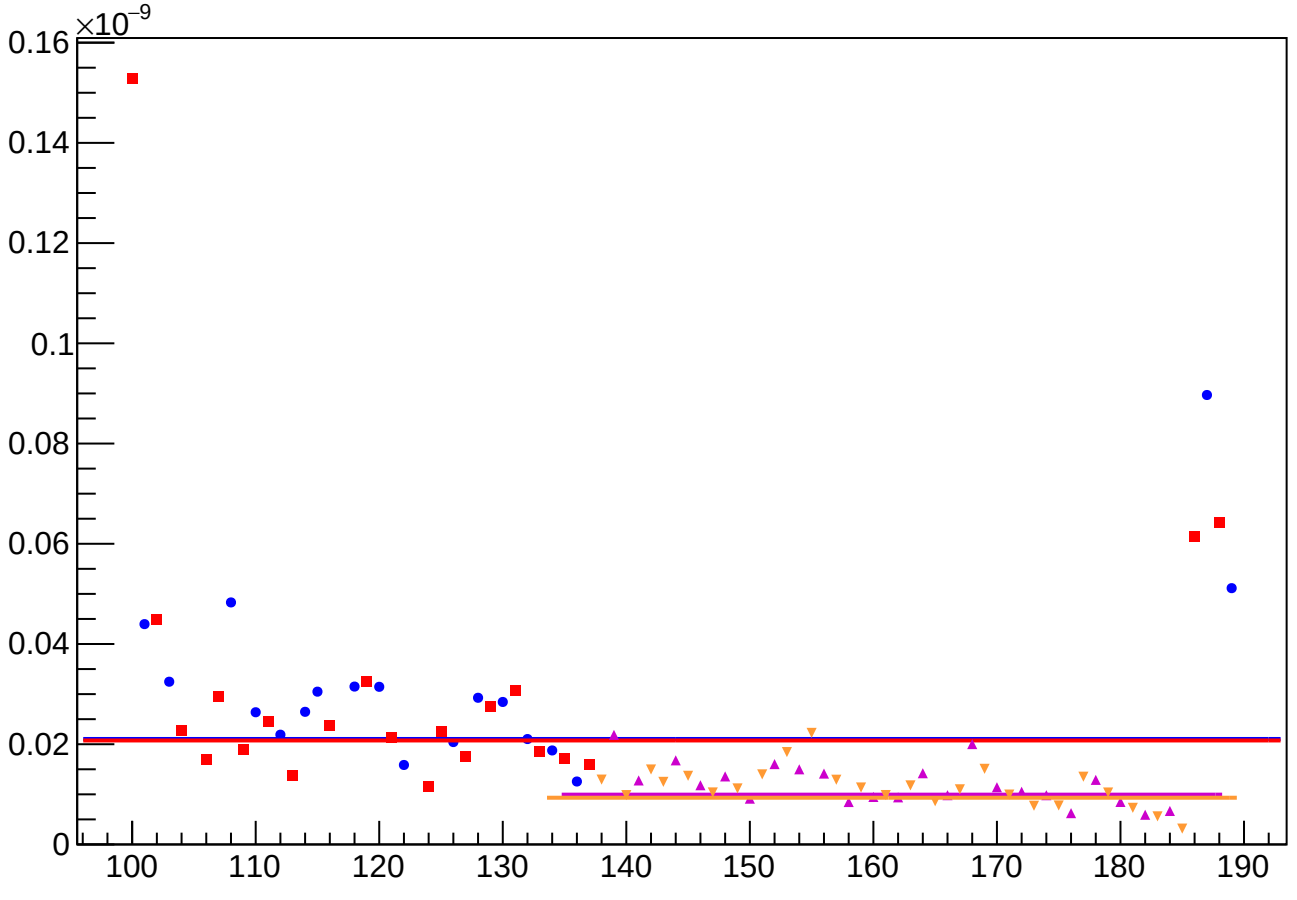
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 27.4/38

In: 0.000+/-0.000 χ^2/NDF:25.7/40

Out: 0.000+/-0.000 χ^2/NDF:47.3/45

All: 0.000+/-0.000 χ^2/NDF: 73.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 1675033.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1371546.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

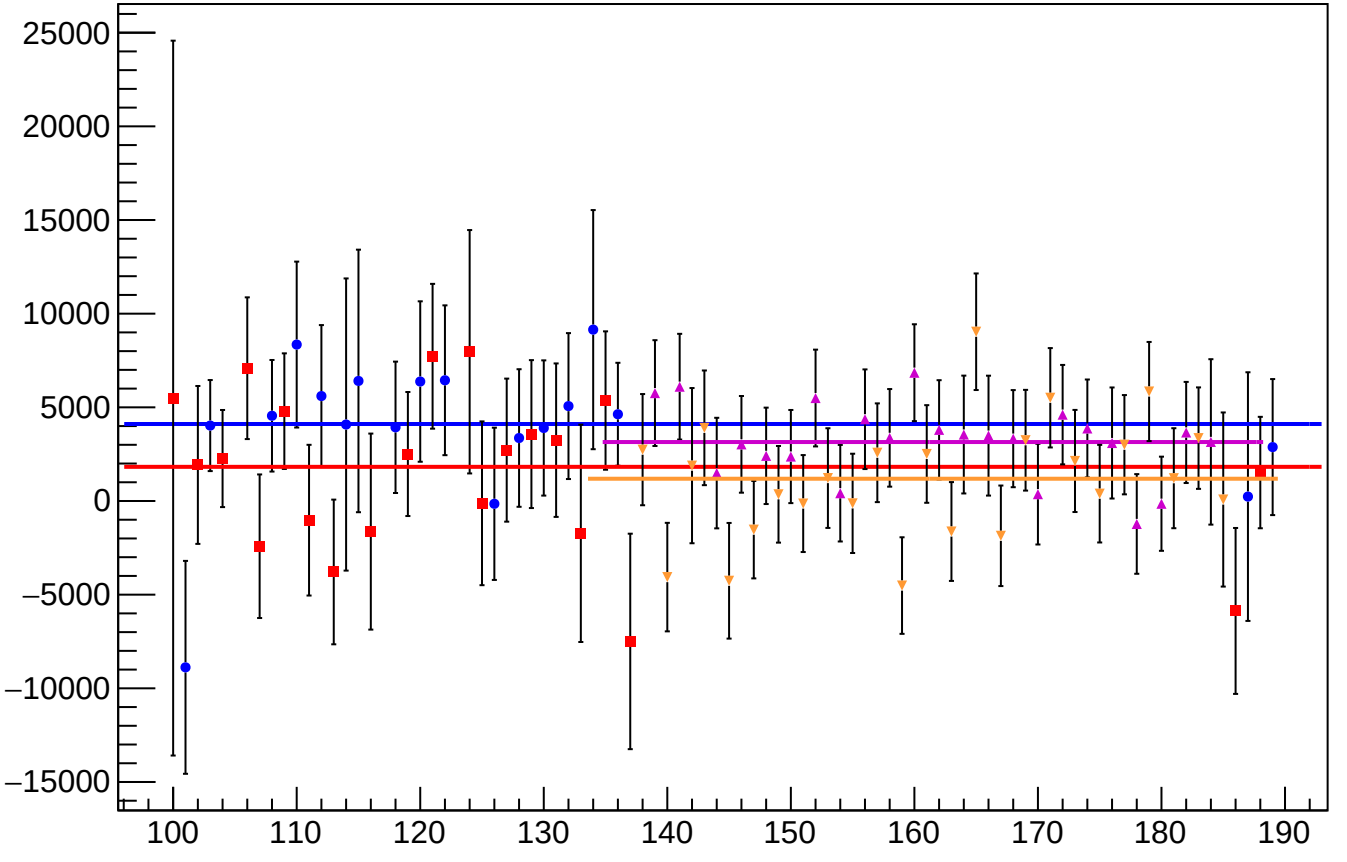
Right: 0.000+/-0.000 χ^2/NDF: 3047429.3/38

In: 0.000+/-0.000 χ^2/NDF:6444663.2/40

Out: 0.000+/-0.000 χ^2/NDF:6851228.7/45

All: 0.000+/-0.000 χ^2/NDF: 13355766.7/86

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4109.988+/-912.095 χ^2/NDF: 9.4/17

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1823.506+/-863.829 χ^2/NDF: 18.0/20

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

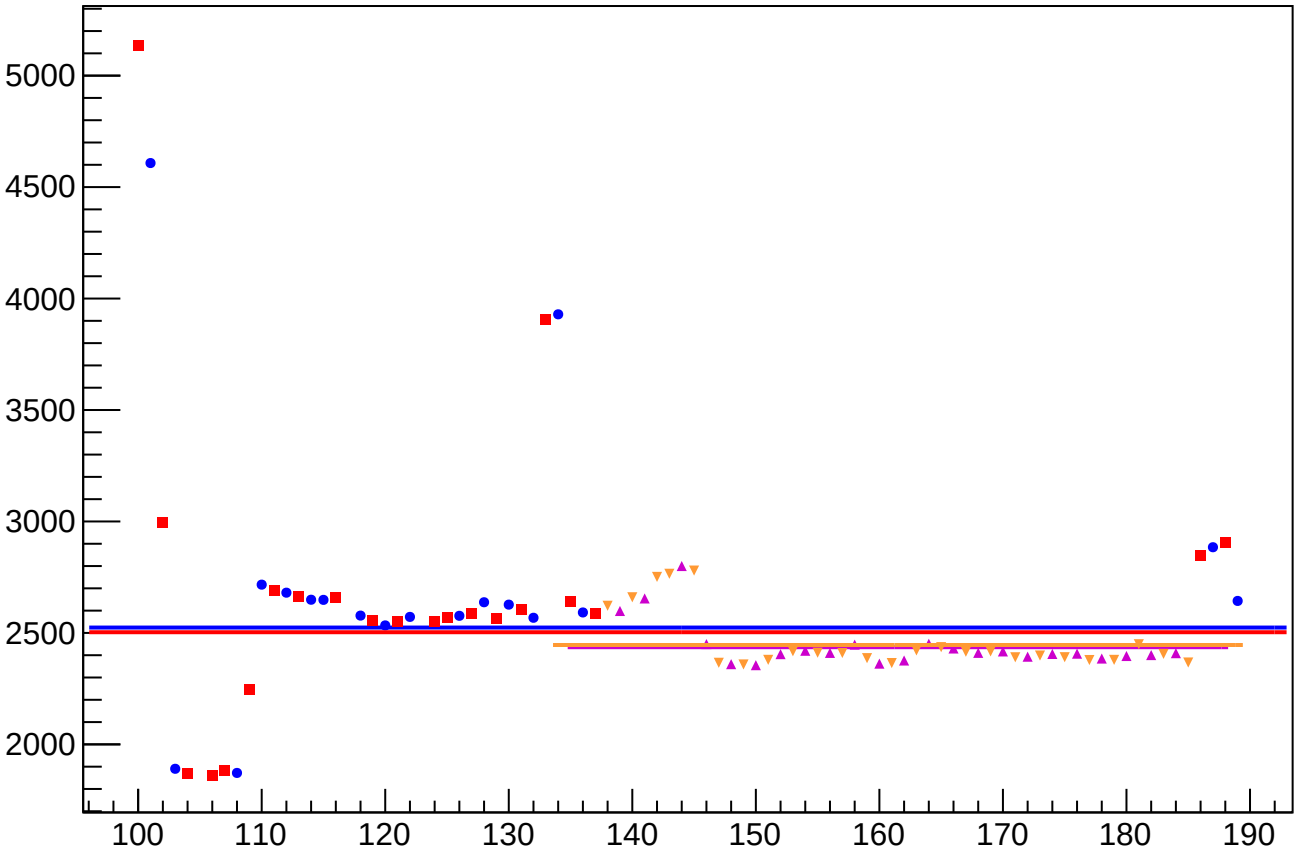
Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

Right: 2904.650+/-627.189 χ^2/NDF: 30.7/38

In: 3417.232+/-482.898 χ^2/NDF:22.8/40

Out: 1374.862+/-467.671 χ^2/NDF:49.5/45

All: 2363.339+/-335.948 χ^2/NDF: 81.6/86



Right In: 2524.093+/-0.645 χ^2/NDF: 620189.1/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.140+/-0.611 χ^2/NDF: 492151.9/20

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

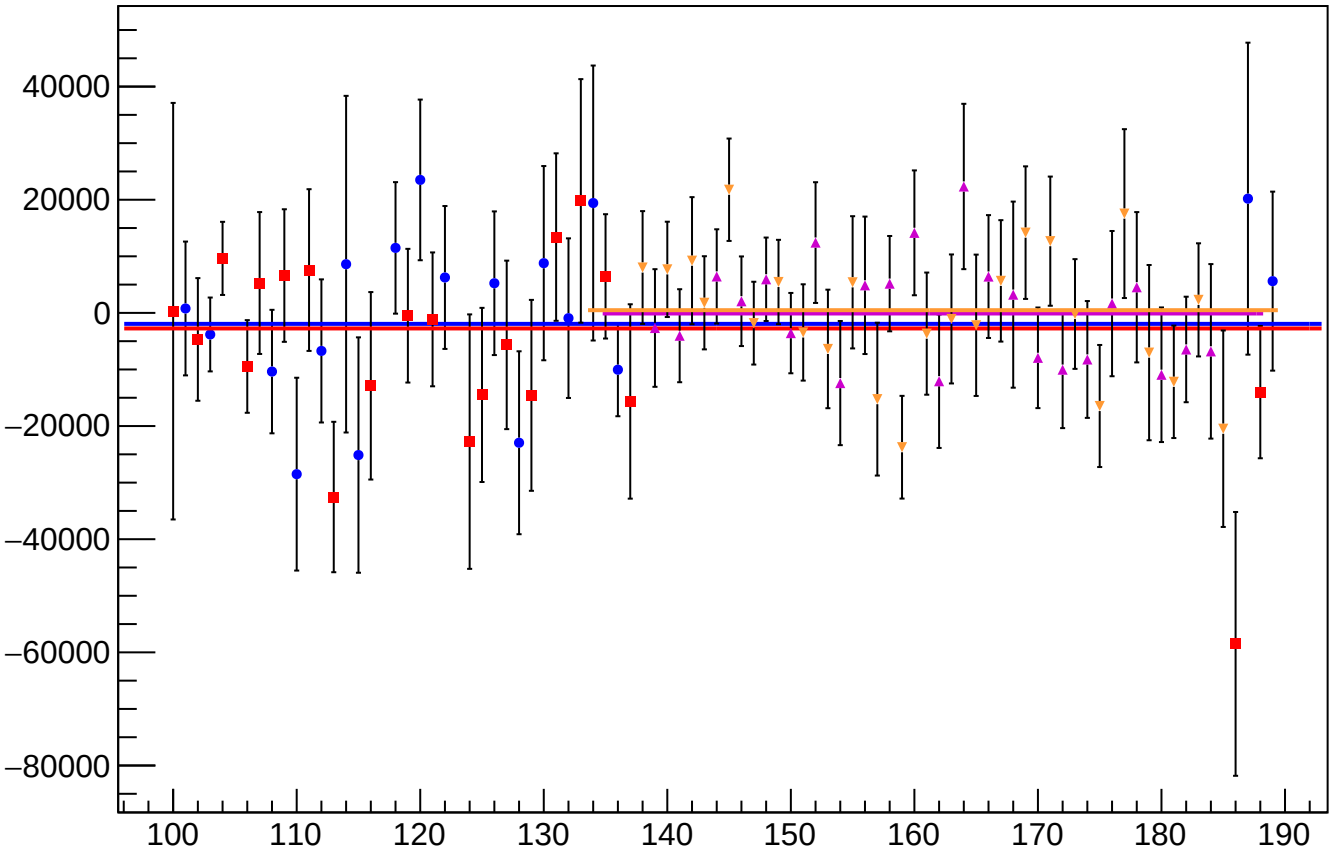
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2513.047+/-0.443 χ^2/NDF: 1112897.4/38

In: 2460.657+/-0.341 χ^2/NDF:692821.1/40

Out: 2462.625+/-0.331 χ^2/NDF:588390.7/45

All: 2461.672+/-0.238 χ^2/NDF: 1281228.9/86



Right In: -1939.764+/-3001.117 χ^2/NDF: 14.7/17

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2749.231+/-2752.046 χ^2/NDF: 23.5/20

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

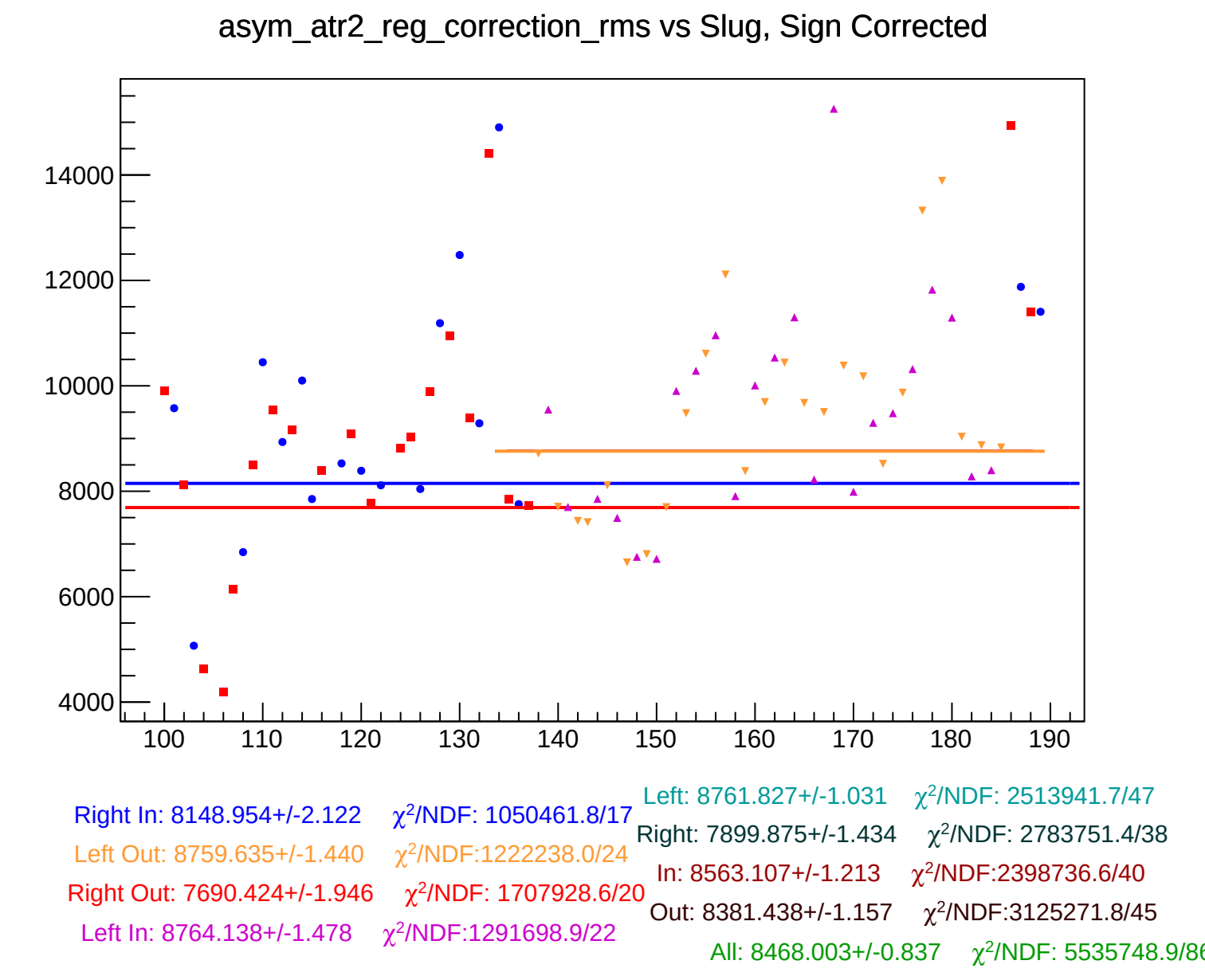
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2379.476+/-2028.338 χ^2/NDF: 38.2/38

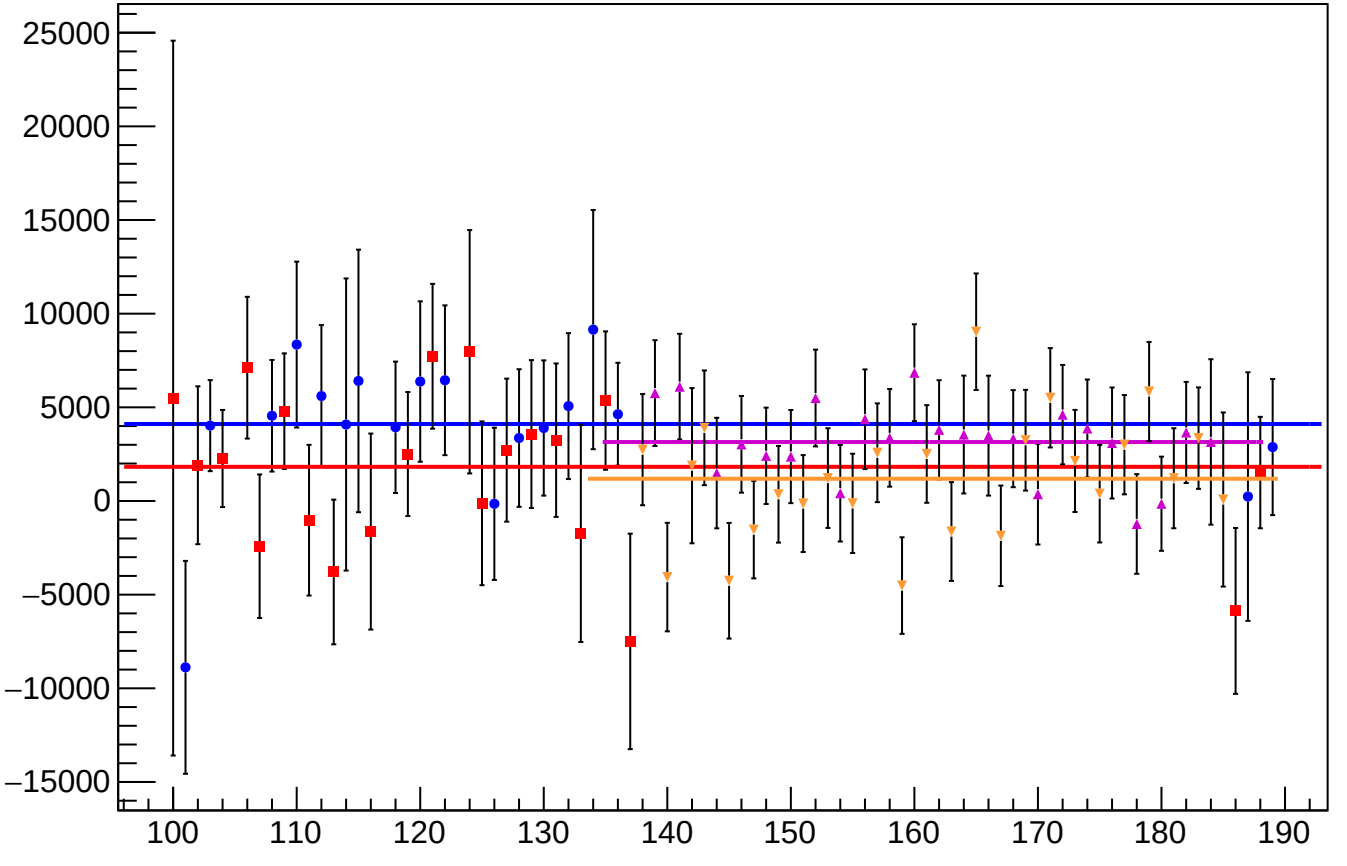
In: -704.535+/-1715.581 χ^2/NDF:29.4/40

Out: -664.048+/-1636.752 χ^2/NDF:51.8/45

All: -683.340+/-1184.246 χ^2/NDF: 81.2/86


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 8148.954+/-2.122 χ²/NDF: 1050461.8/17
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 7690.424+/-1.946 χ²/NDF: 1707928.6/20
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 7899.875+/-1.434 χ²/NDF: 2783751.4/38
In: 8563.107+/-1.213 χ²/NDF:2398736.6/40
Out: 8381.438+/-1.157 χ²/NDF:3125271.8/45
All: 8468.003+/-0.837 χ²/NDF: 5535748.9/86

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4109.575+/-912.096 χ^2/NDF: 9.4/17

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1824.020+/-863.835 χ^2/NDF: 18.0/20

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

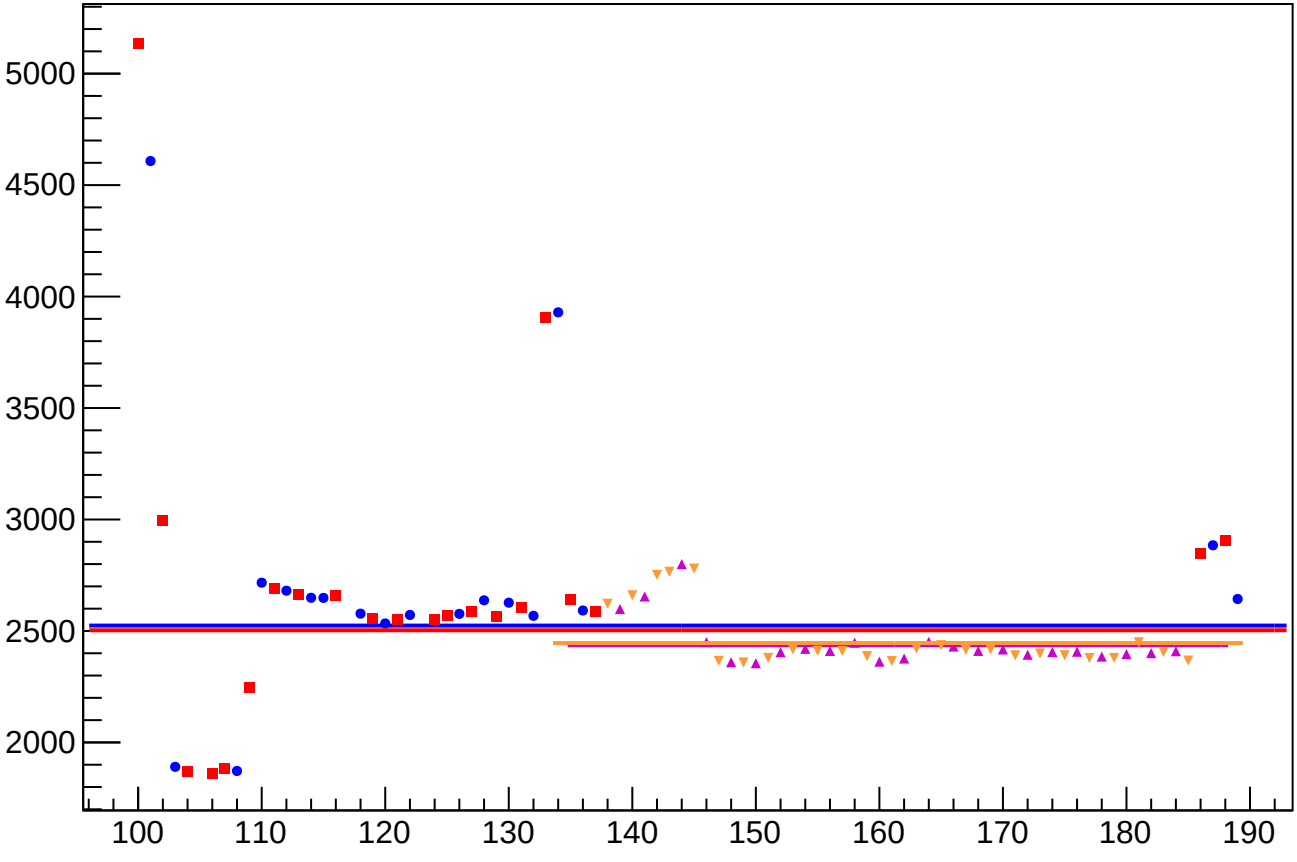
Right: 2904.734+/-627.191 χ^2/NDF: 30.7/38

In: 3416.974+/-482.898 χ^2/NDF:22.8/40

Out: 1374.891+/-467.672 χ^2/NDF:49.5/45

All: 2363.231+/-335.948 χ^2/NDF: 81.6/86

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2524.093+/-0.645 χ^2/NDF: 620186.8/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.163+/-0.611 χ^2/NDF: 492091.3/20

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

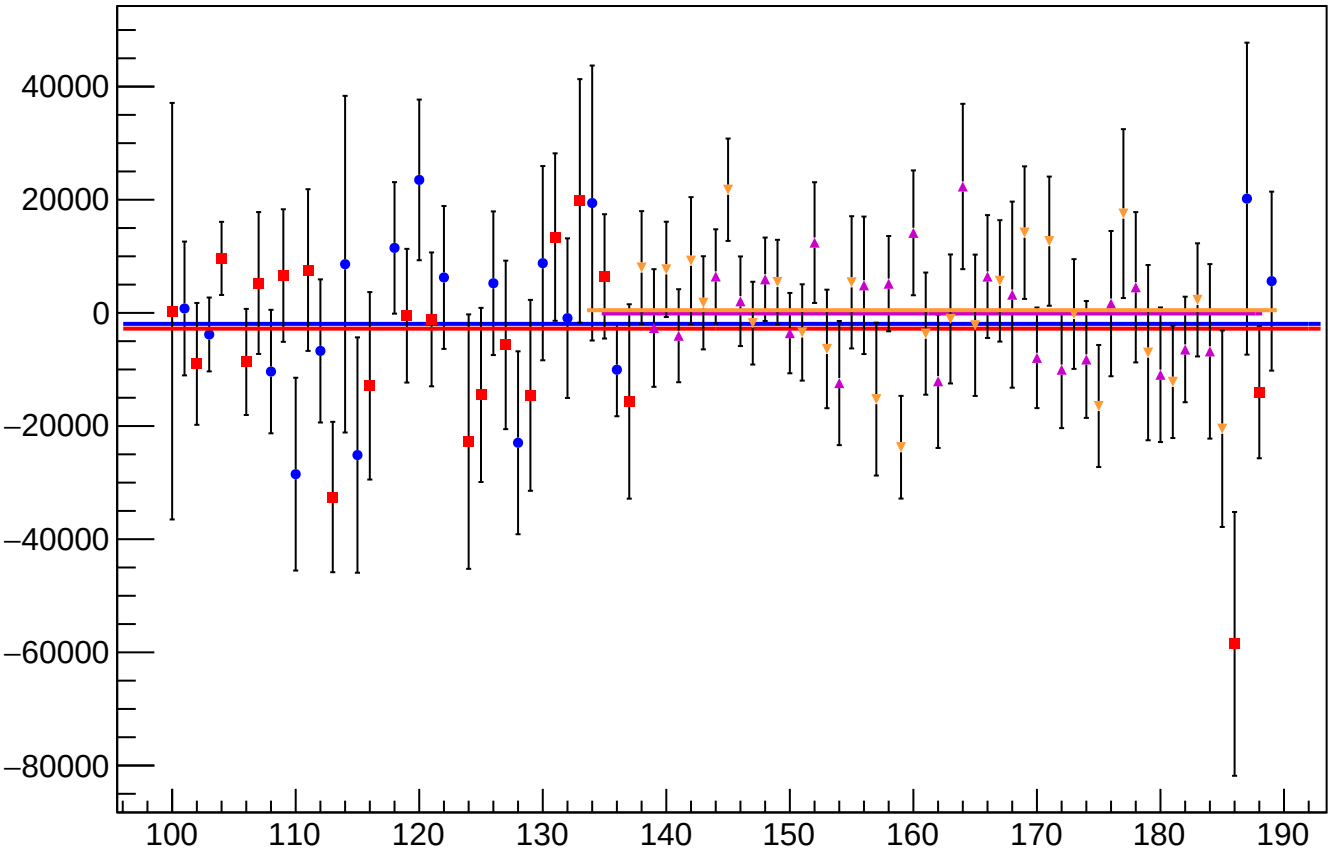
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2513.060+/-0.443 χ^2/NDF: 1112833.3/38

In: 2460.657+/-0.341 χ^2/NDF:692819.1/40

Out: 2462.631+/-0.331 χ^2/NDF:588334.8/45

All: 2461.676+/-0.238 χ^2/NDF: 1281171.1/86



Right In: -1939.517+/-3001.199 χ^2/NDF: 14.7/17

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2785.304+/-2788.555 χ^2/NDF: 23.5/20

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

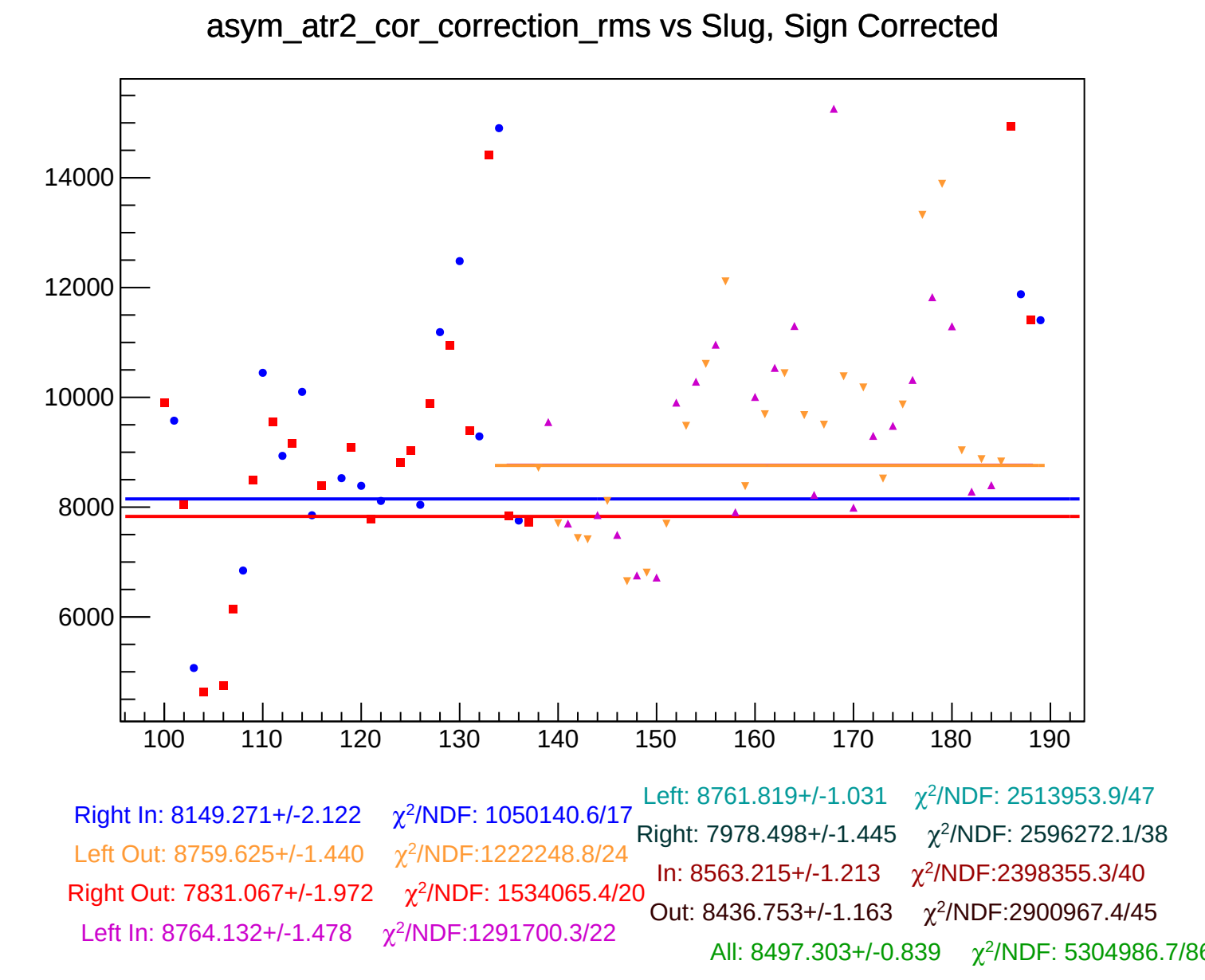
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2393.433+/-2042.848 χ^2/NDF: 38.2/38

In: -704.479+/-1715.596 χ^2/NDF:29.4/40

Out: -657.218+/-1644.333 χ^2/NDF:51.8/45

All: -679.847+/-1187.113 χ^2/NDF: 81.2/86


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
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6000
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110
120
130
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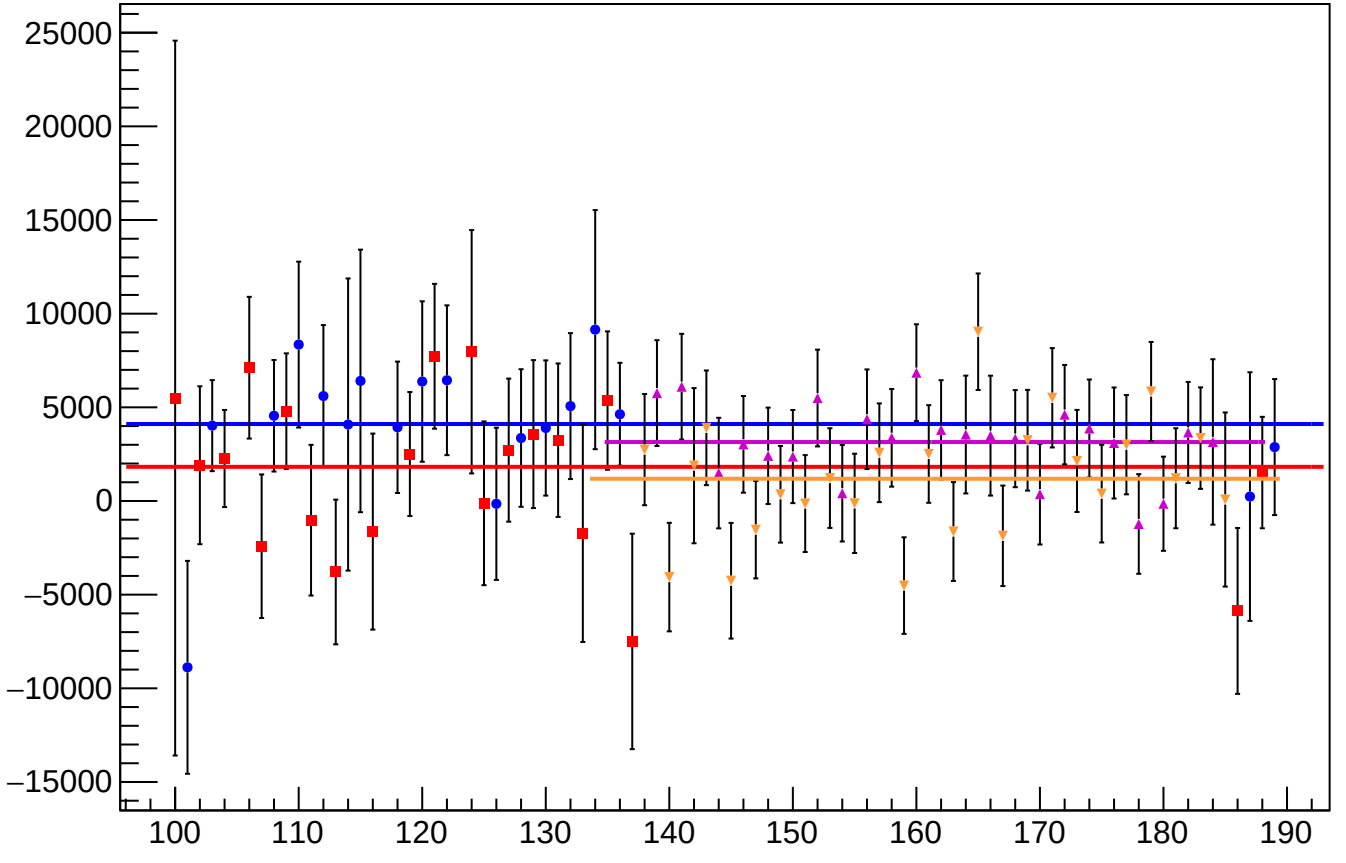
160
170
180
190
Right In: 8149.271+/-2.122 χ²/NDF: 1050140.6/17
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7831.067+/-1.972 χ²/NDF: 1534065.4/20
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 7978.498+/-1.445 χ²/NDF: 2596272.1/38
In: 8563.215+/-1.213 χ²/NDF:2398355.3/40
Out: 8436.753+/-1.163 χ²/NDF:2900967.4/45
All: 8497.303+/-0.839 χ²/NDF: 5304986.7/86

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4109.575+/-912.096 χ^2/NDF: 9.4/17

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1824.020+/-863.835 χ^2/NDF: 18.0/20

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

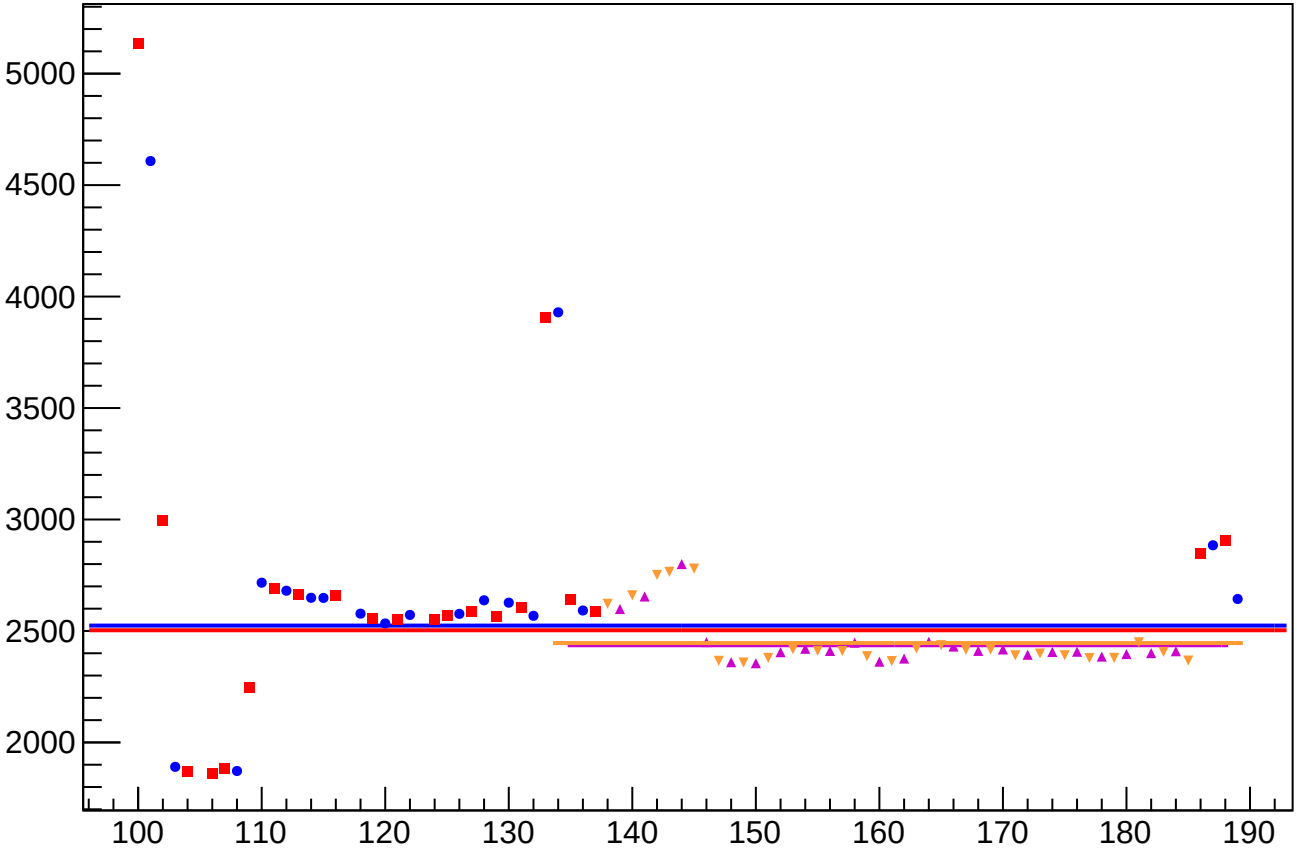
Right: 2904.734+/-627.191 χ^2/NDF: 30.7/38

In: 3416.974+/-482.898 χ^2/NDF:22.8/40

Out: 1374.891+/-467.672 χ^2/NDF:49.5/45

All: 2363.231+/-335.948 χ^2/NDF: 81.6/86

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2524.093+/-0.645 χ^2/NDF: 620186.8/17

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.163+/-0.611 χ^2/NDF: 492091.3/20

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

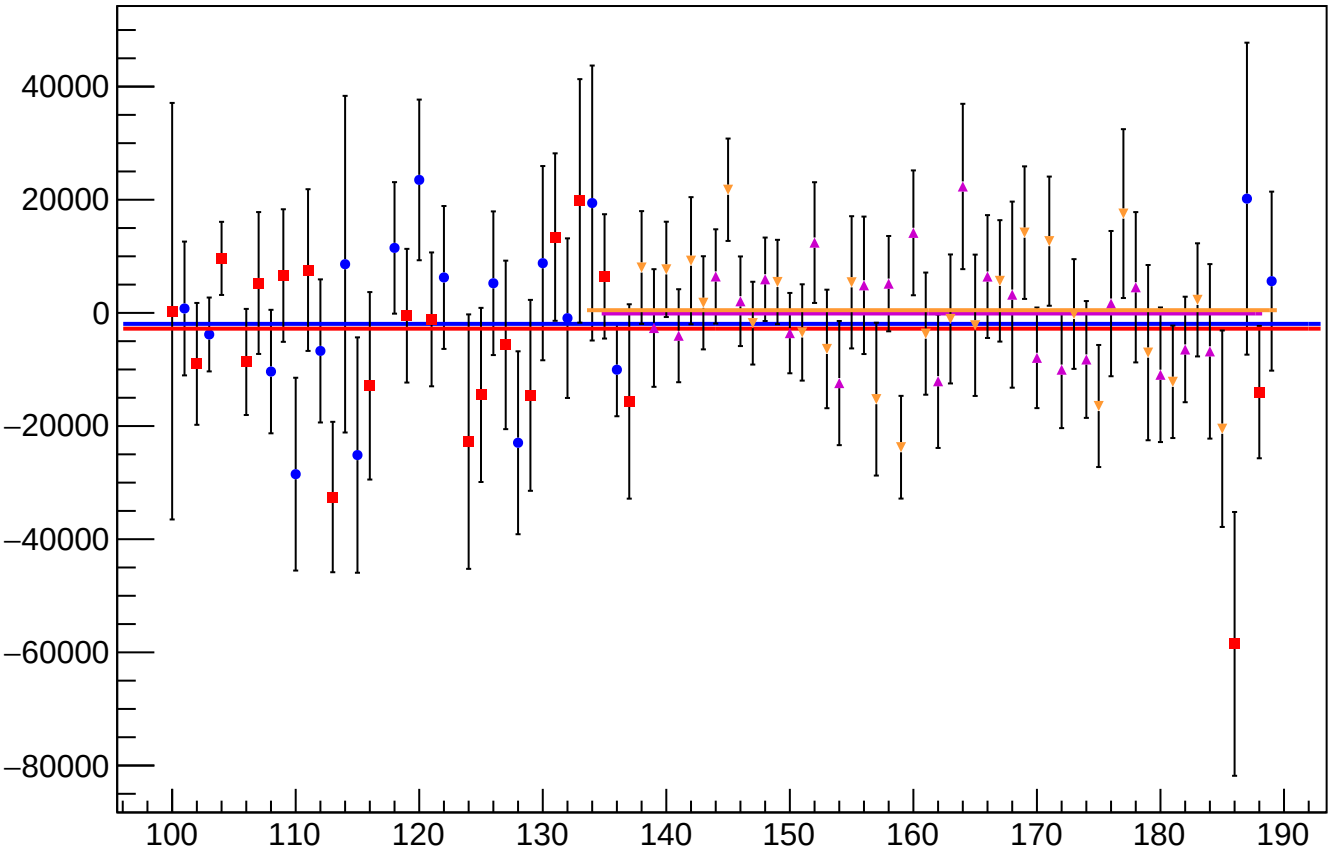
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2513.060+/-0.443 χ^2/NDF: 1112833.3/38

In: 2460.657+/-0.341 χ^2/NDF:692819.1/40

Out: 2462.631+/-0.331 χ^2/NDF:588334.8/45

All: 2461.676+/-0.238 χ^2/NDF: 1281171.1/86



Right In: -1939.517+/-3001.199 χ^2/NDF: 14.7/17

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2785.304+/-2788.555 χ^2/NDF: 23.5/20

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

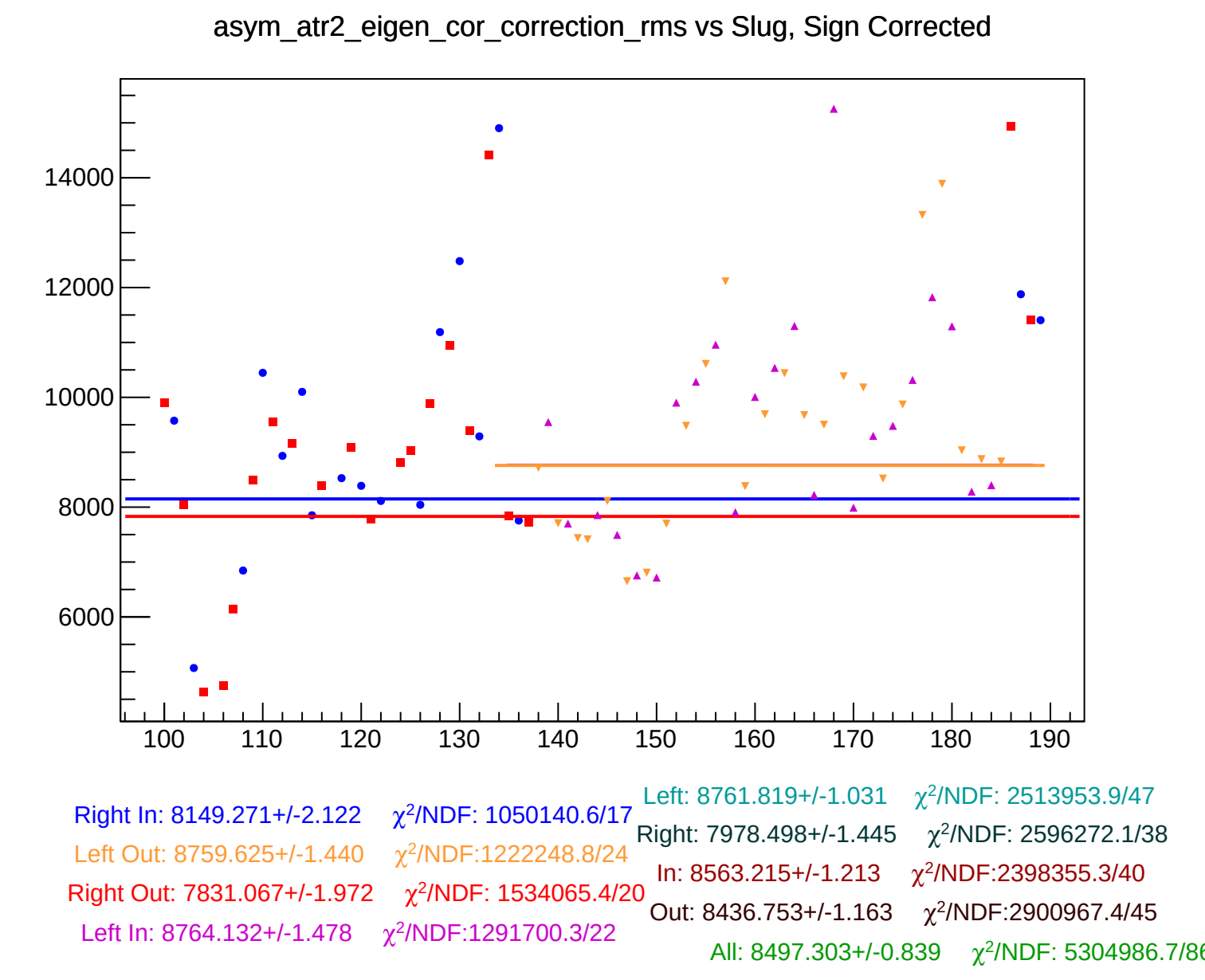
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2393.433+/-2042.848 χ^2/NDF: 38.2/38

In: -704.479+/-1715.596 χ^2/NDF:29.4/40

Out: -657.218+/-1644.333 χ^2/NDF:51.8/45

All: -679.847+/-1187.113 χ^2/NDF: 81.2/86


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
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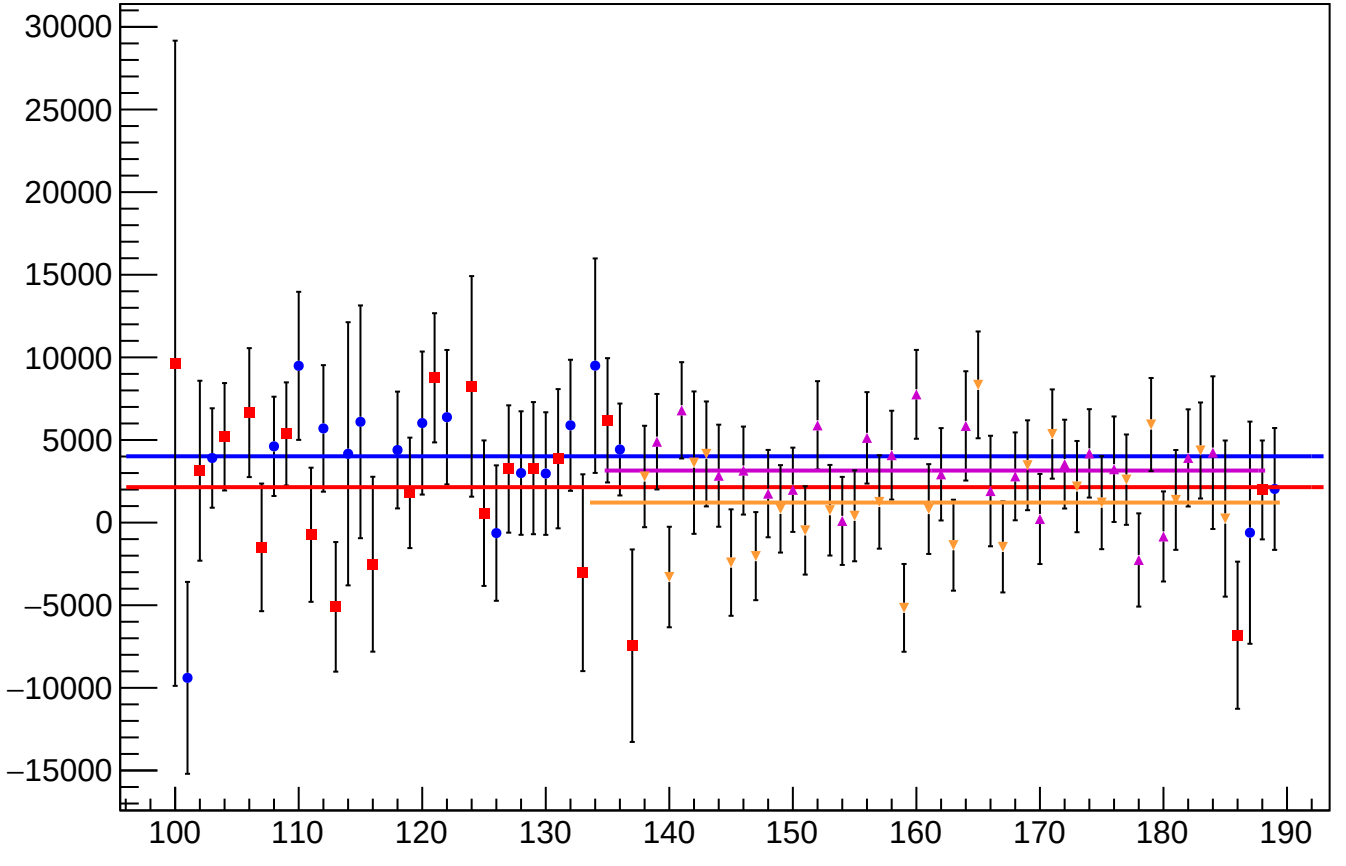
190
Right In: 8149.271+/-2.122 χ²/NDF: 1050140.6/17
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7831.067+/-1.972 χ²/NDF: 1534065.4/20
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 7978.498+/-1.445 χ²/NDF: 2596272.1/38
In: 8563.215+/-1.213 χ²/NDF:2398355.3/40
Out: 8436.753+/-1.163 χ²/NDF:2900967.4/45
All: 8497.303+/-0.839 χ²/NDF: 5304986.7/86

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4013.875+/-947.070 χ^2/NDF: 10.9/17

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 2145.299+/-900.338 χ^2/NDF: 21.9/20

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

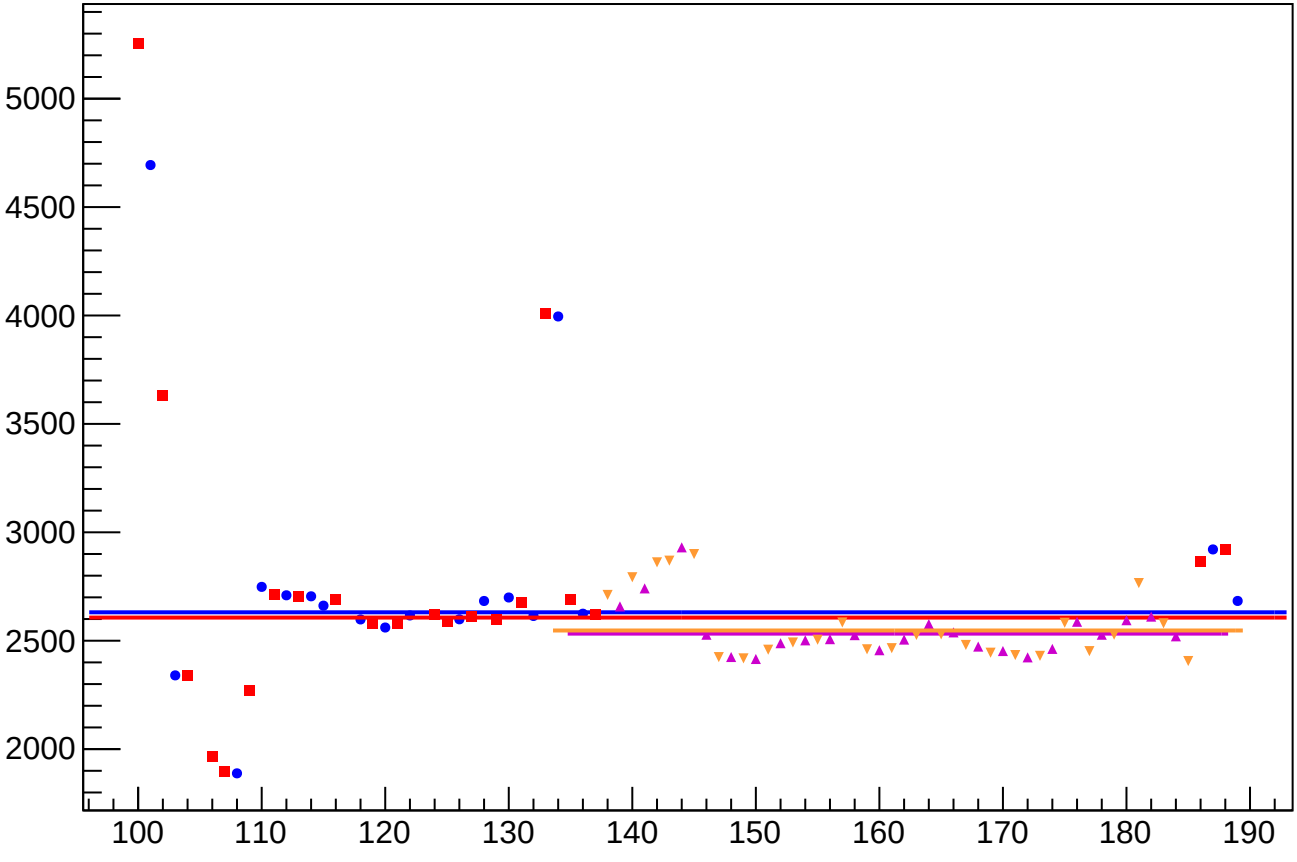
Right: 3032.350+/-652.531 χ^2/NDF: 34.8/38

In: 3392.969+/-502.067 χ^2/NDF:27.9/40

Out: 1486.843+/-487.403 χ^2/NDF:49.5/45

All: 2411.663+/-349.715 χ^2/NDF: 84.8/86

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.045+/-0.670 χ^2/NDF: 490248.0/17

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2606.736+/-0.636 χ^2/NDF: 411623.6/20

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

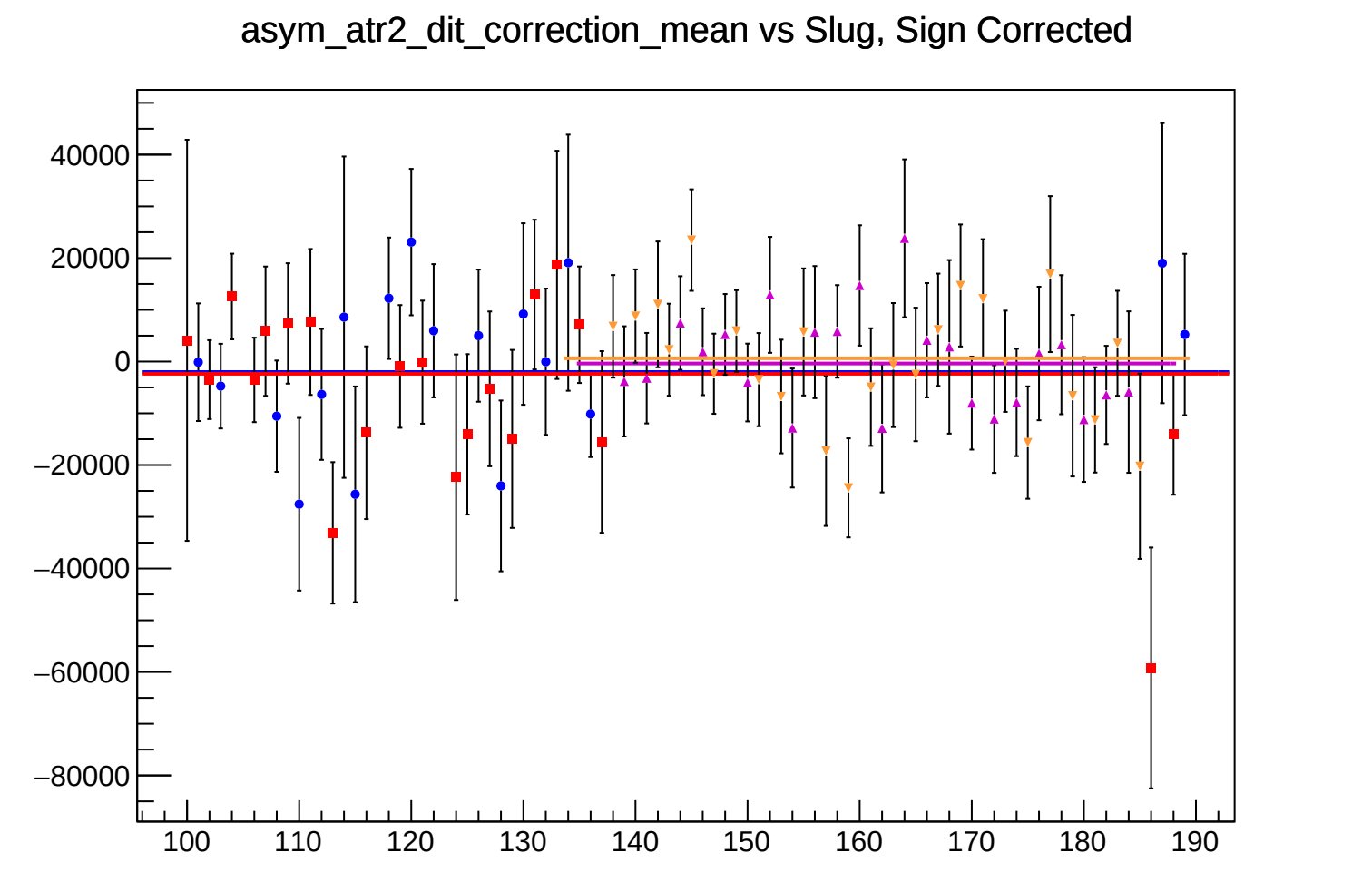
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2618.270+/-0.461 χ^2/NDF: 902564.0/38

In: 2560.390+/-0.355 χ^2/NDF:574171.7/40

Out: 2564.628+/-0.345 χ^2/NDF:535118.4/45

All: 2562.572+/-0.247 χ^2/NDF: 1109363.5/86



Right In: -2027.927+/-3124.494 χ^2/NDF: 14.7/17

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -2359.435+/-2771.212 χ^2/NDF: 22.6/20

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

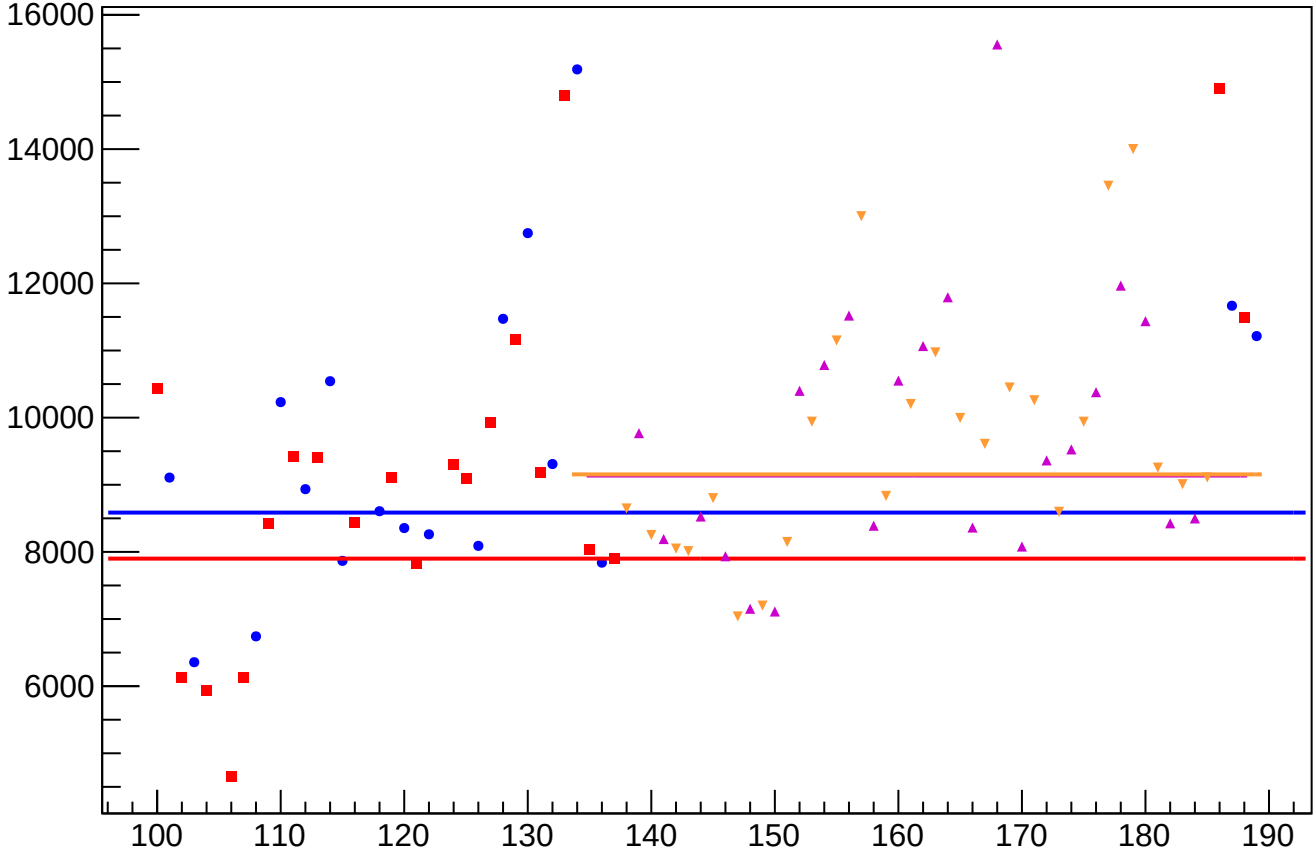
Right: -2213.475+/-2073.244 χ^2/NDF: 37.3/38

In: -916.942+/-1785.828 χ^2/NDF:29.1/40

Out: -474.818+/-1685.345 χ^2/NDF:50.0/45

All: -683.092+/-1225.703 χ^2/NDF: 79.1/86

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8585.624+/-2.209 χ^2/NDF: 667708.0/17

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 7900.017+/-1.960 χ^2/NDF: 1366957.4/20

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

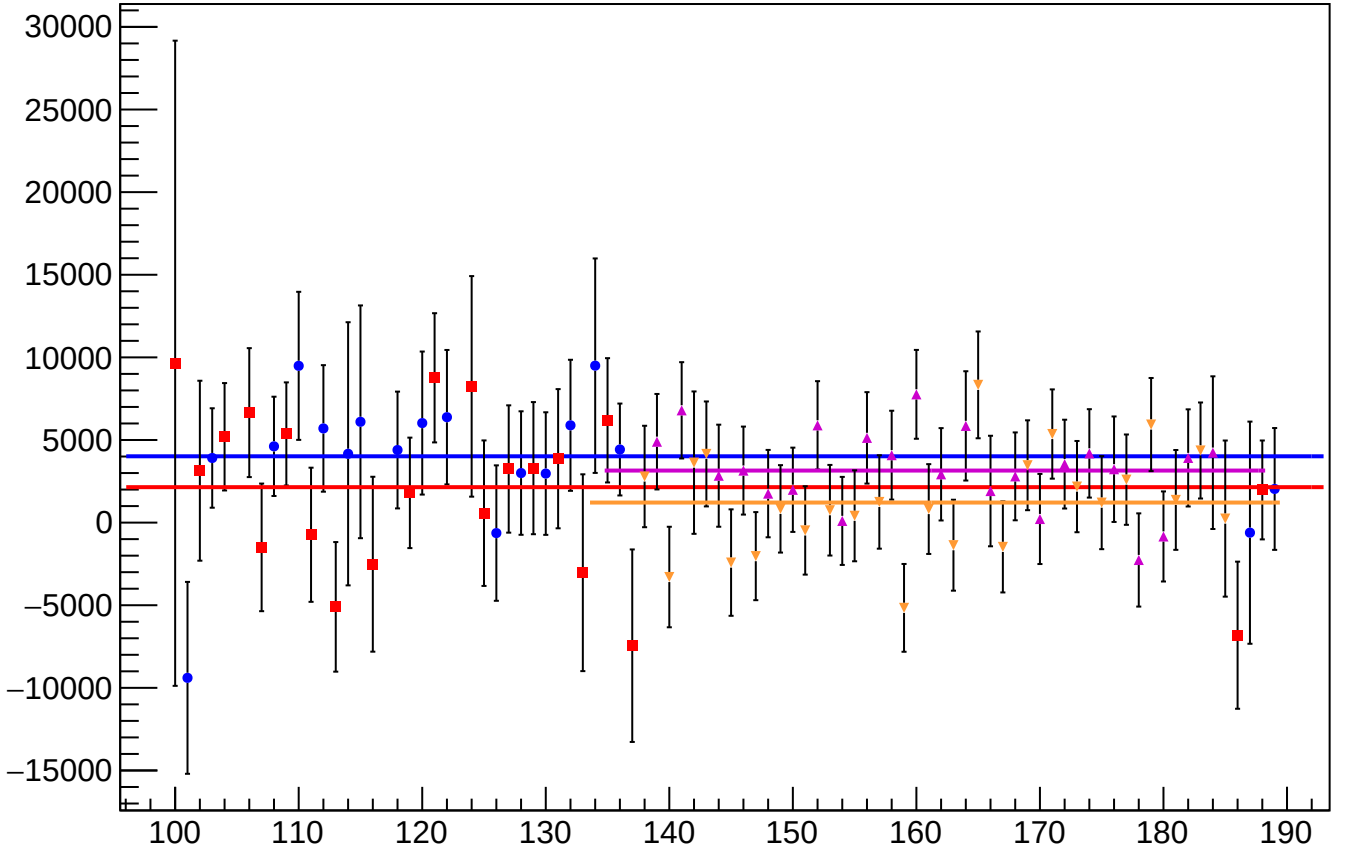
Right: 8201.885+/-1.466 χ^2/NDF: 2088564.4/38

In: 8957.266+/-1.263 χ^2/NDF:1882524.1/40

Out: 8690.635+/-1.192 χ^2/NDF:2697368.3/45

All: 8816.238+/-0.867 χ^2/NDF: 4603473.5/86

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4013.880+/-947.070 χ^2/NDF: 10.9/17

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 2145.309+/-900.338 χ^2/NDF: 21.9/20

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

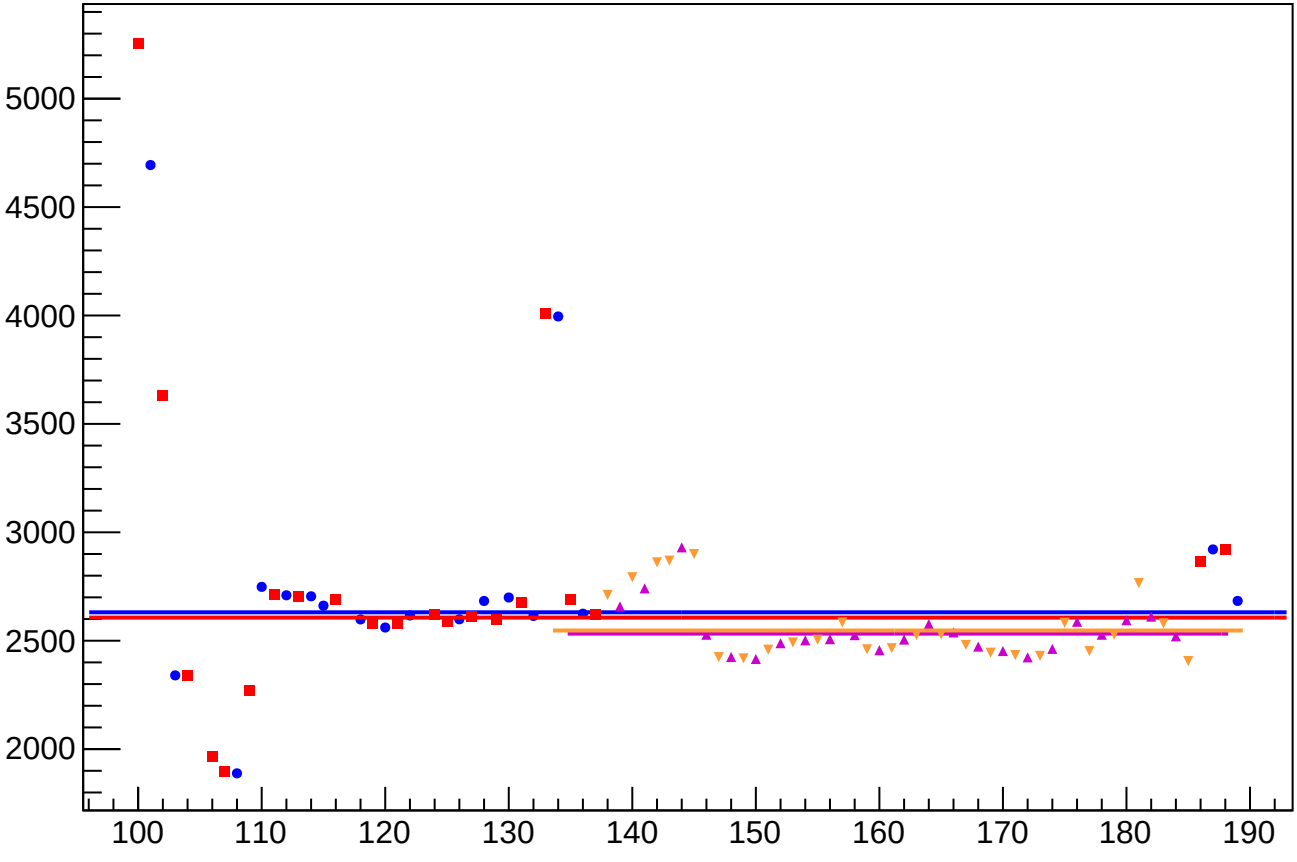
Right: 3032.358+/-652.531 χ^2/NDF: 34.8/38

In: 3392.970+/-502.067 χ^2/NDF:27.9/40

Out: 1486.838+/-487.403 χ^2/NDF:49.5/45

All: 2411.661+/-349.715 χ^2/NDF: 84.8/86

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.044+/-0.670 χ^2/NDF: 490248.1/17

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2606.736+/-0.636 χ^2/NDF: 411623.1/20

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

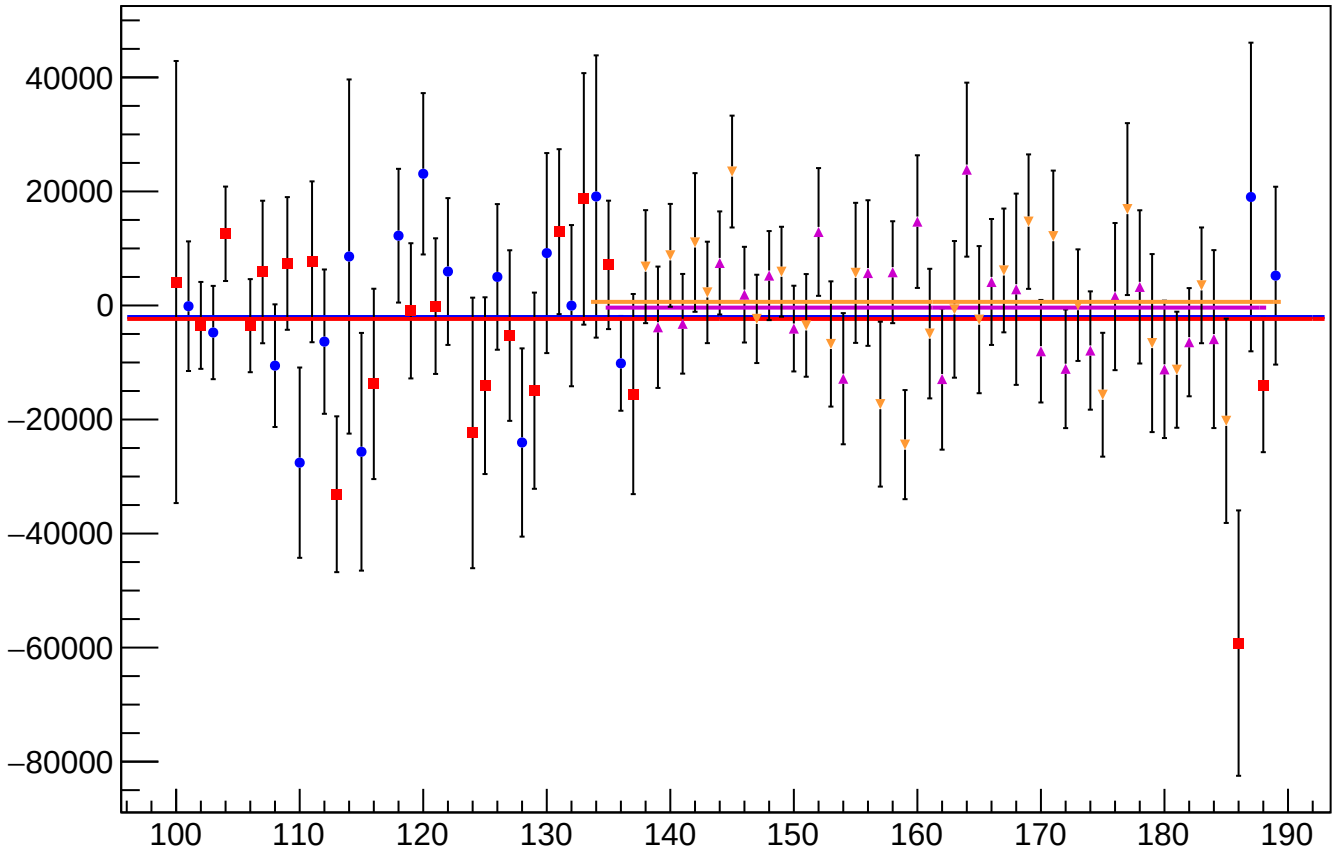
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2618.269+/-0.461 χ^2/NDF: 902563.6/38

In: 2560.391+/-0.355 χ^2/NDF:574170.7/40

Out: 2564.629+/-0.345 χ^2/NDF:535117.5/45

All: 2562.573+/-0.247 χ^2/NDF: 1109361.6/86



Right In: -2027.896+/-3124.490 χ^2/NDF: 14.7/17

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -2359.427+/-2771.208 χ^2/NDF: 22.6/20

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

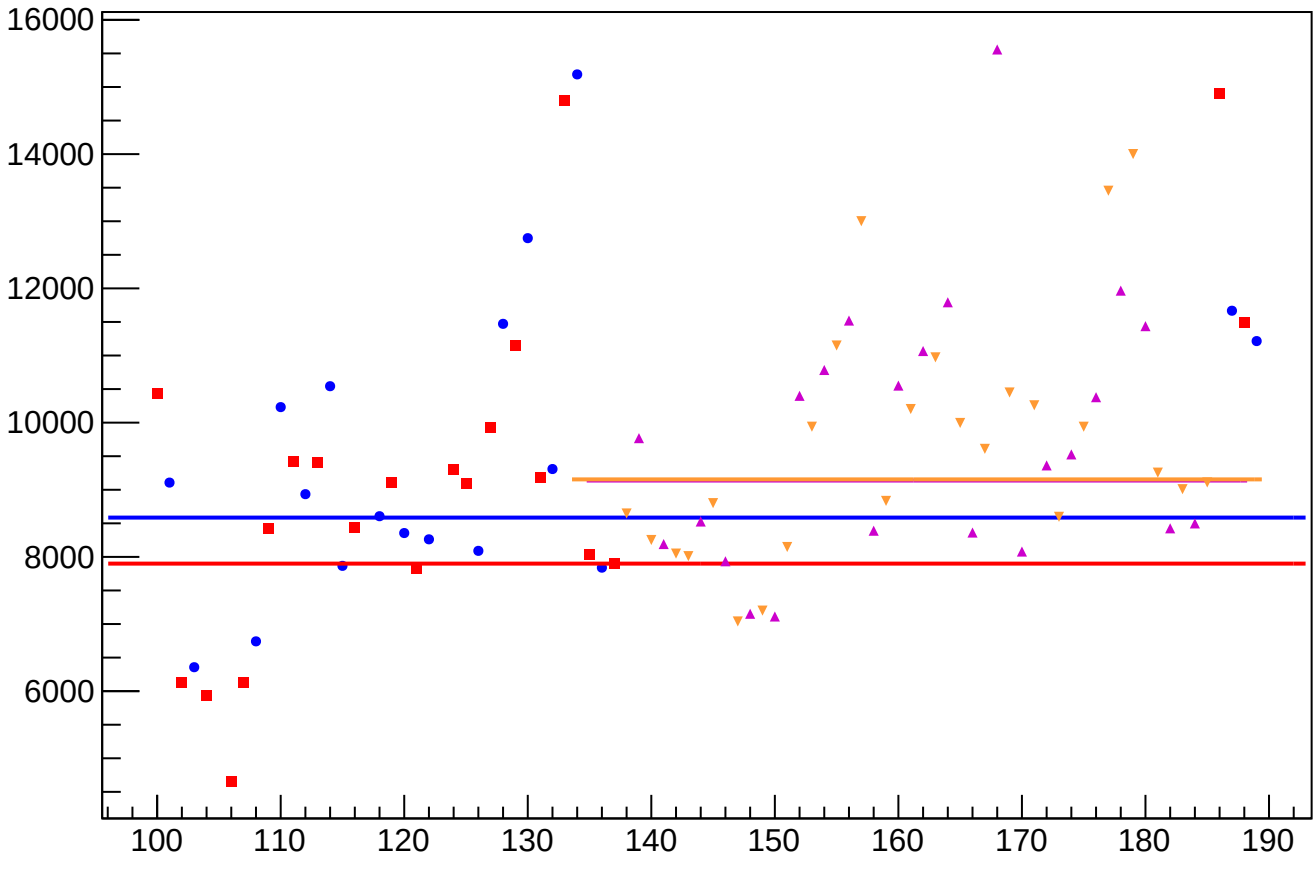
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2213.456+/-2073.241 χ^2/NDF: 37.3/38

In: -916.937+/-1785.829 χ^2/NDF:29.1/40

Out: -474.822+/-1685.346 χ^2/NDF:50.0/45

All: -683.092+/-1225.704 χ^2/NDF: 79.1/86



Right In: 8585.614+/-2.209 χ^2/NDF: 667704.1/17

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 7900.006+/-1.960 χ^2/NDF: 1366956.5/20

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

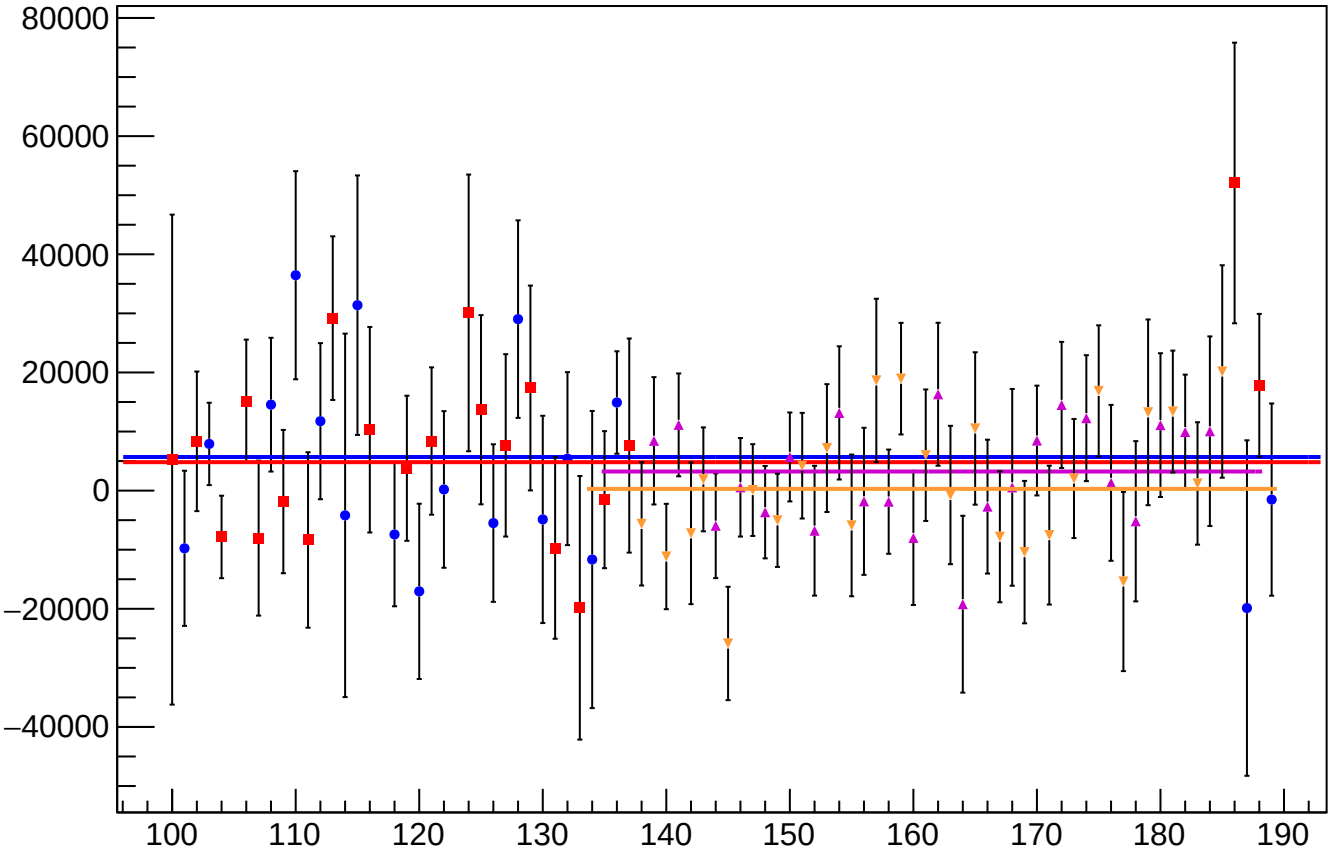
Right: 8201.874+/-1.466 χ^2/NDF: 2088560.0/38

In: 8957.271+/-1.263 χ^2/NDF:1882527.6/40

Out: 8690.638+/-1.192 χ^2/NDF:2697380.1/45

All: 8816.243+/-0.867 χ^2/NDF: 4603489.3/86

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5688.457+/-3157.611 χ^2/NDF: 16.1/17

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 4815.423+/-2951.345 χ^2/NDF: 19.3/20

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

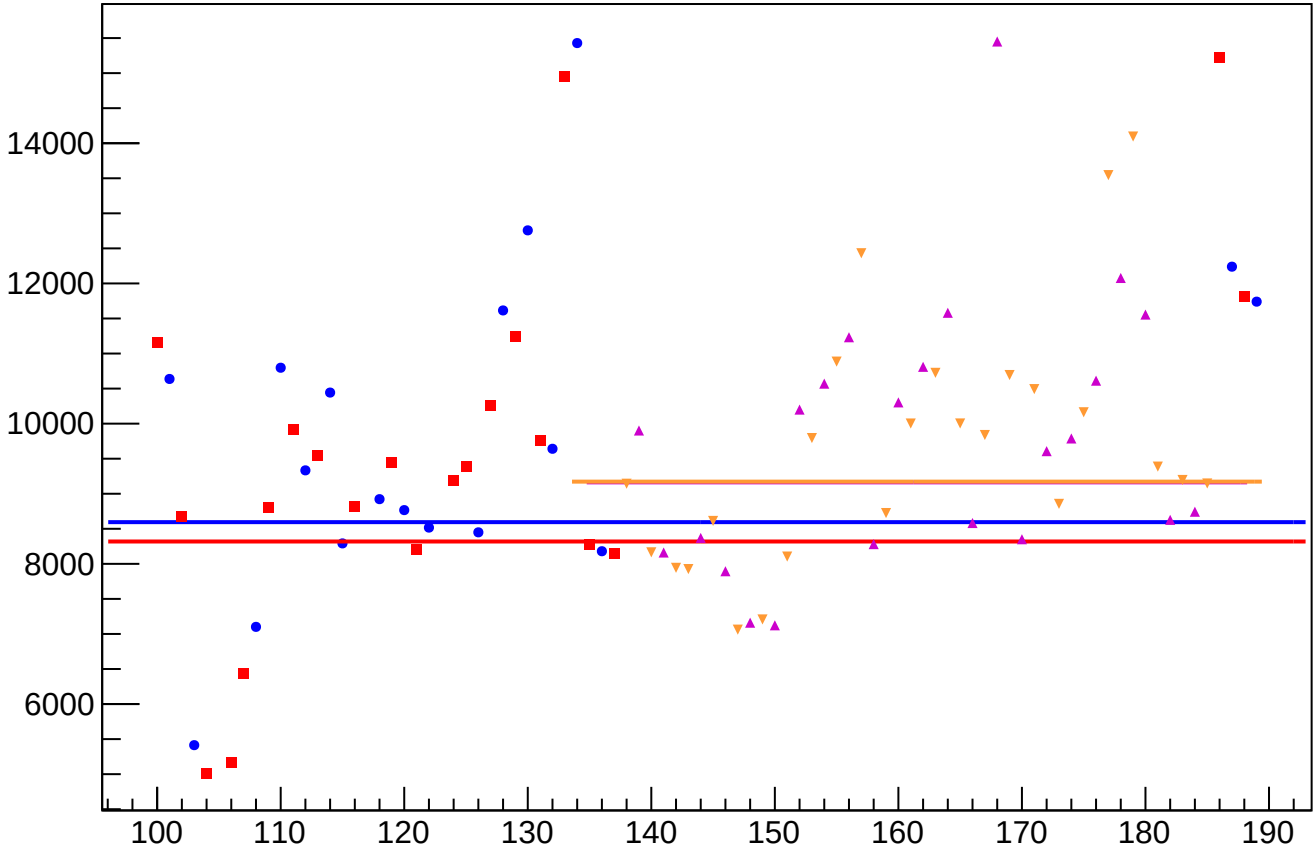
Right: 5222.496+/-2156.151 χ^2/NDF: 35.5/38

In: 4025.971+/-1793.896 χ^2/NDF:30.1/40

Out: 1838.749+/-1724.706 χ^2/NDF:47.2/45

All: 2889.367+/-1243.293 χ^2/NDF: 78.0/86

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8594.883+/-2.233 χ^2/NDF: 995180.4/17

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8318.832+/-2.087 χ^2/NDF: 1375950.6/20

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

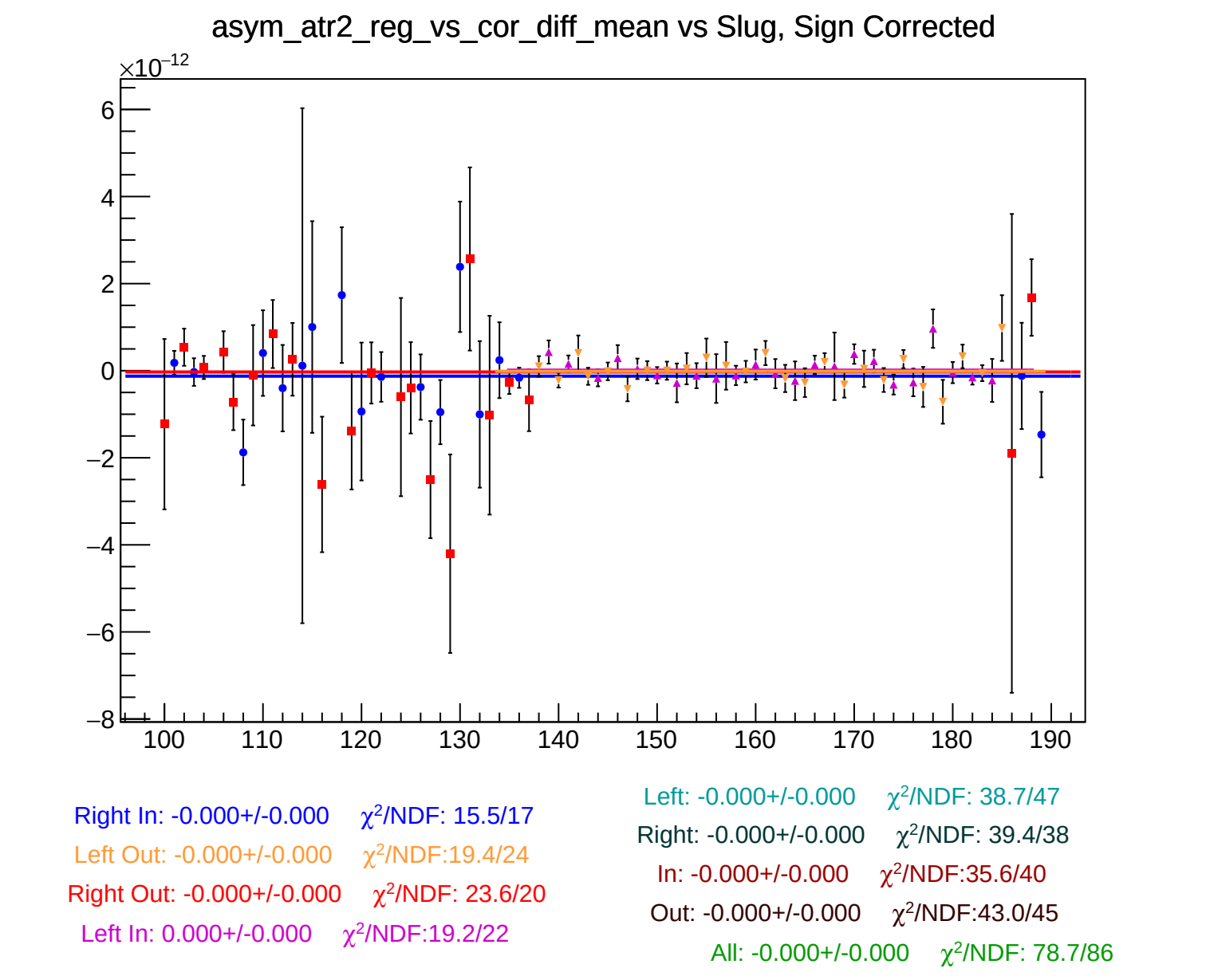
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 8447.545+/-1.525 χ^2/NDF: 2379289.5/38

In: 8979.145+/-1.268 χ^2/NDF:2166448.3/40

Out: 8881.181+/-1.220 χ^2/NDF:2543169.4/45

All: 8928.237+/-0.879 χ^2/NDF: 4712717.2/86


asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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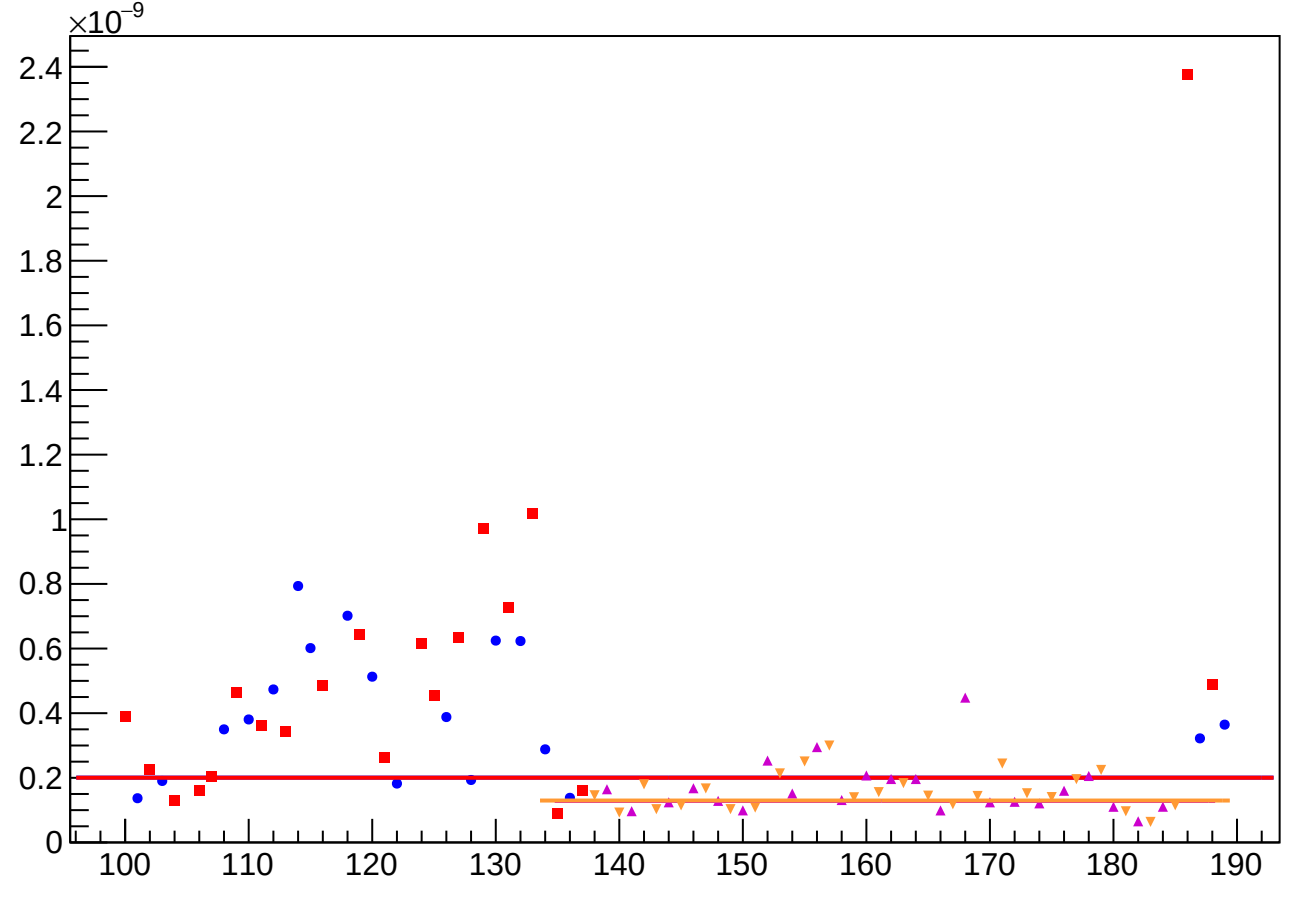
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.5/17
Left Out: -0.000+/-0.000 χ²/NDF:19.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.6/20
Left In: 0.000+/-0.000 χ²/NDF:19.2/22
Left: -0.000+/-0.000 χ²/NDF: 38.7/47
Right: -0.000+/-0.000 χ²/NDF: 39.4/38
In: -0.000+/-0.000 χ²/NDF:35.6/40
Out: -0.000+/-0.000 χ²/NDF:43.0/45
All: -0.000+/-0.000 χ²/NDF: 78.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 1420179.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2601374.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

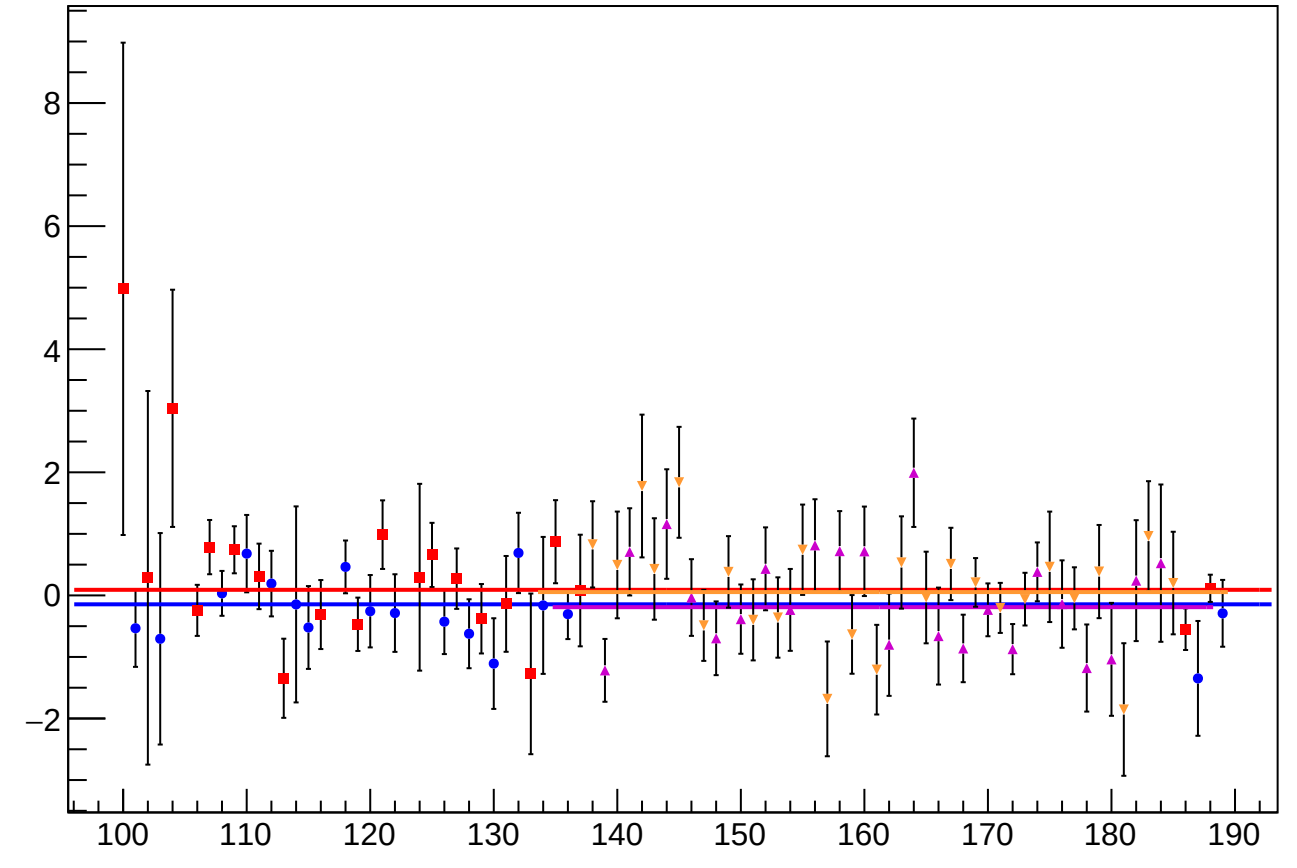
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 4021559.6/38

In: 0.000+/-0.000 χ^2/NDF:3448120.8/40

Out: 0.000+/-0.000 χ^2/NDF:4451539.7/45

All: 0.000+/-0.000 χ^2/NDF: 7899661.0/86



Right In: -0.145+/-0.138 χ^2/NDF: 11.5/17

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.091+/-0.110 χ^2/NDF: 27.9/20

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

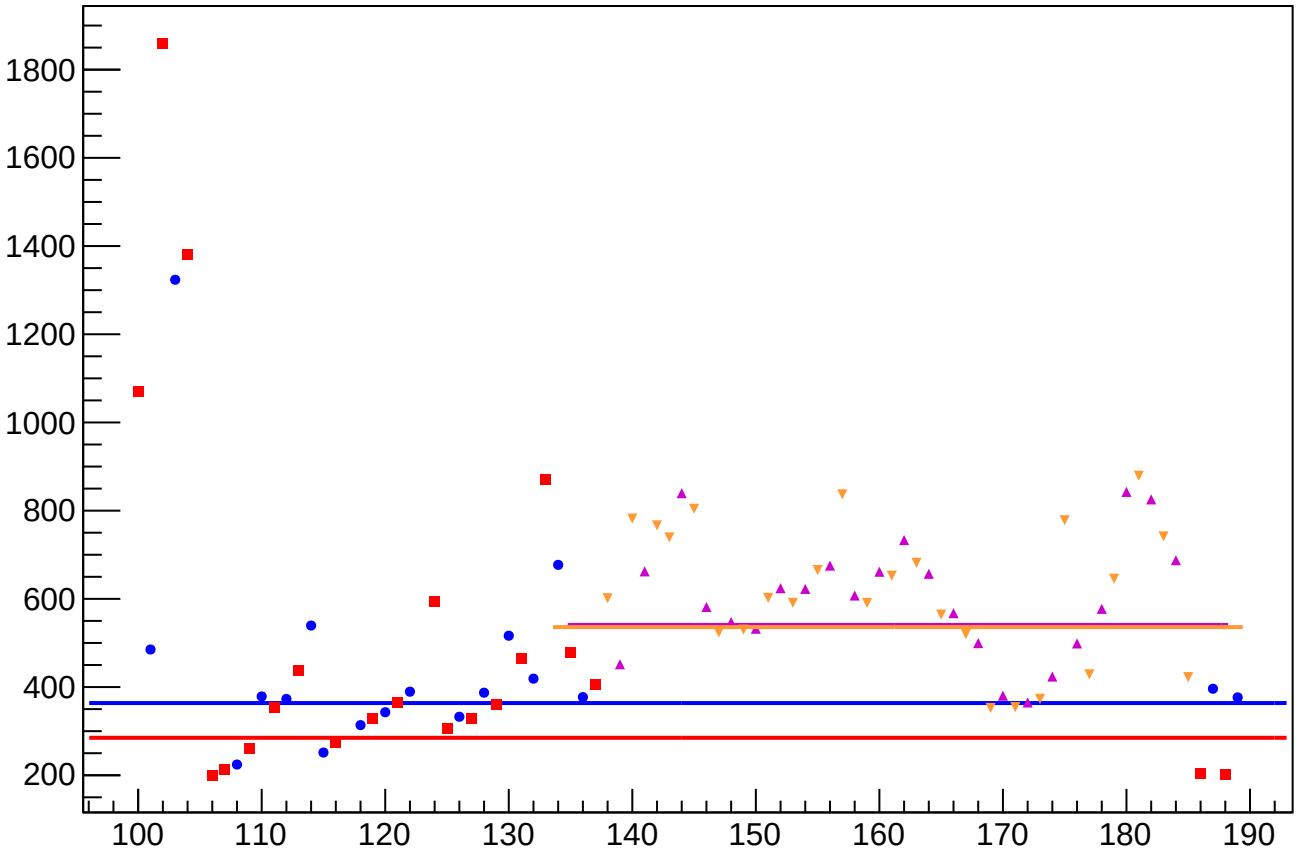
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.001+/-0.086 χ^2/NDF: 41.2/38

In: -0.169+/-0.096 χ^2/NDF:42.7/40

Out: 0.075+/-0.084 χ^2/NDF:52.7/45

All: -0.031+/-0.063 χ^2/NDF: 99.0/86



Right In: 363.730+/-0.098 χ^2/NDF: 1381146.1/17

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 284.945+/-0.078 χ^2/NDF: 2853871.4/20

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

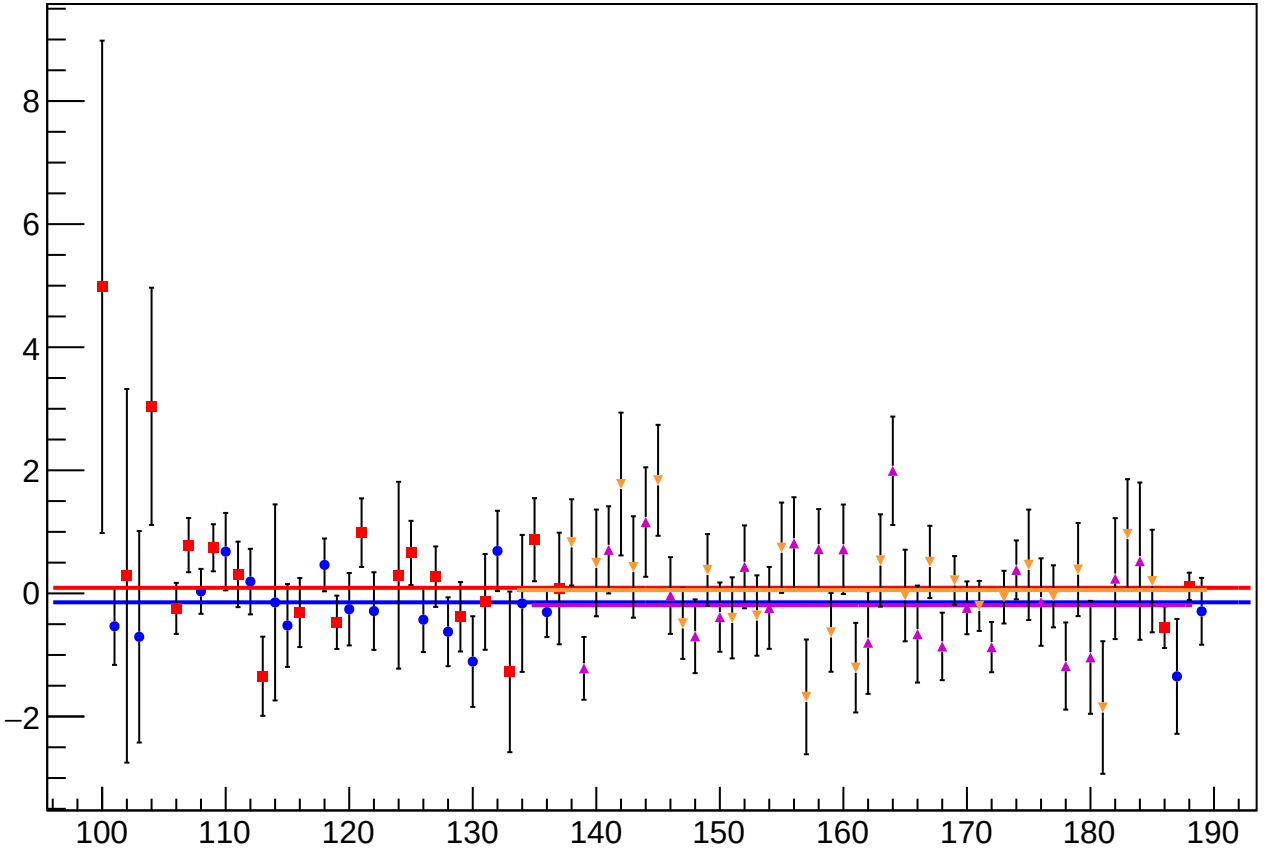
Right: 315.595+/-0.061 χ^2/NDF: 4631775.9/38

In: 455.612+/-0.068 χ^2/NDF:4988324.5/40

Out: 390.505+/-0.059 χ^2/NDF:9957073.5/45

All: 418.763+/-0.045 χ^2/NDF: 15467097.4/86

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.145+/-0.138 χ^2/NDF: 11.5/17

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.091+/-0.110 χ^2/NDF: 27.9/20

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

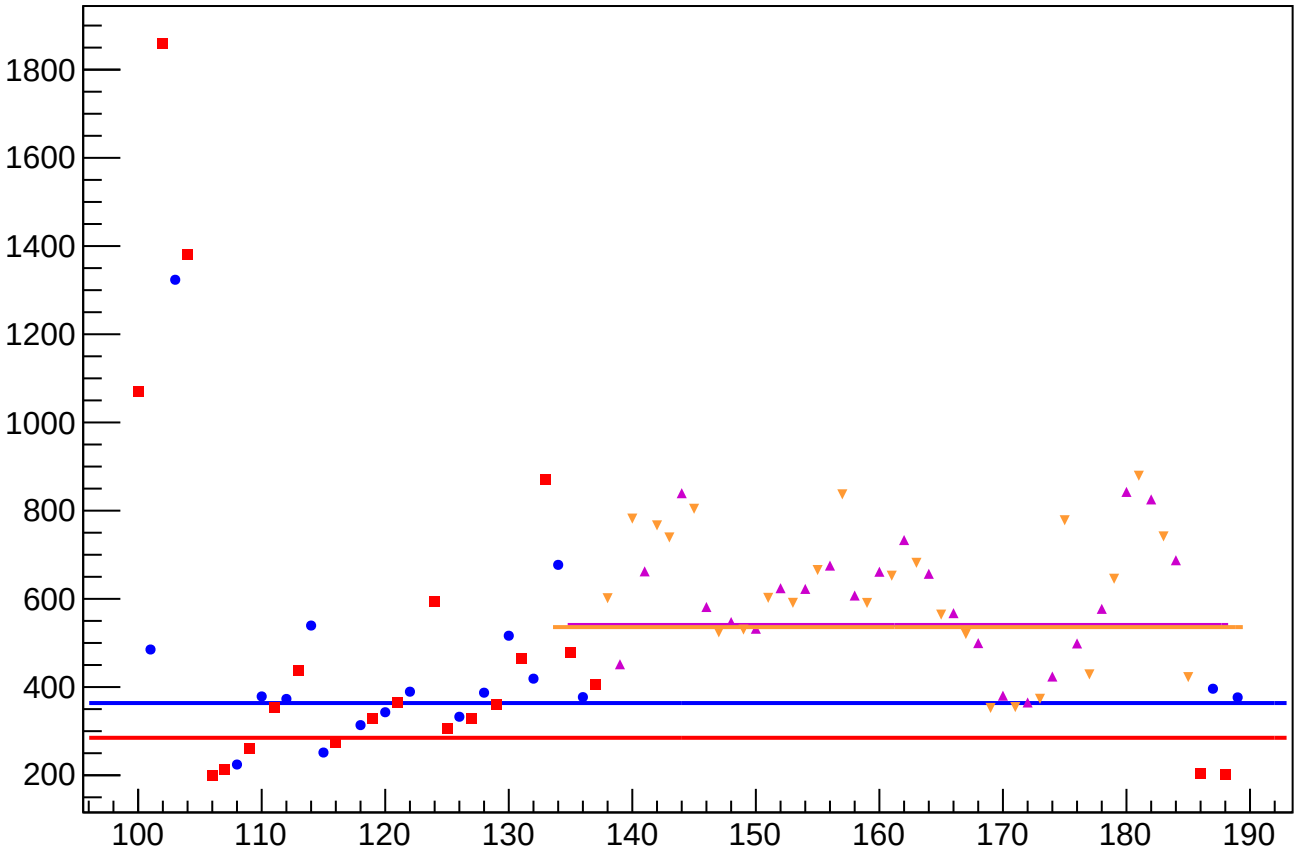
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.001+/-0.086 χ^2/NDF: 41.2/38

In: -0.169+/-0.096 χ^2/NDF:42.7/40

Out: 0.075+/-0.084 χ^2/NDF:52.7/45

All: -0.031+/-0.063 χ^2/NDF: 99.0/86



Right In: 363.730+/-0.098 χ^2/NDF: 1381146.1/17

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 284.945+/-0.078 χ^2/NDF: 2853871.4/20

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

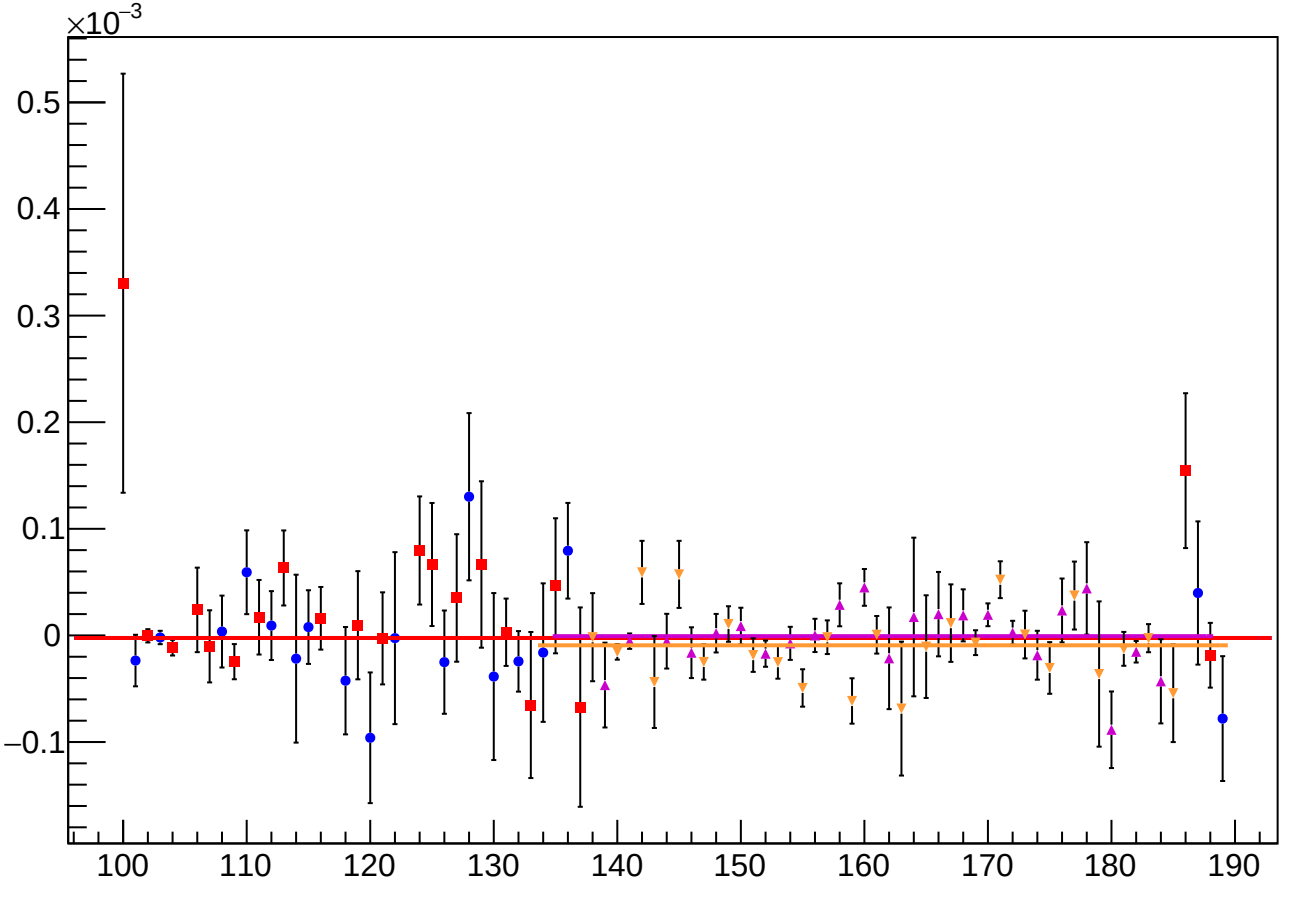
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 315.595+/-0.061 χ^2/NDF: 4631775.9/38

In: 455.612+/-0.068 χ^2/NDF:4988324.5/40

Out: 390.505+/-0.059 χ^2/NDF:9957073.5/45

All: 418.763+/-0.045 χ^2/NDF: 15467097.4/86



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/20

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

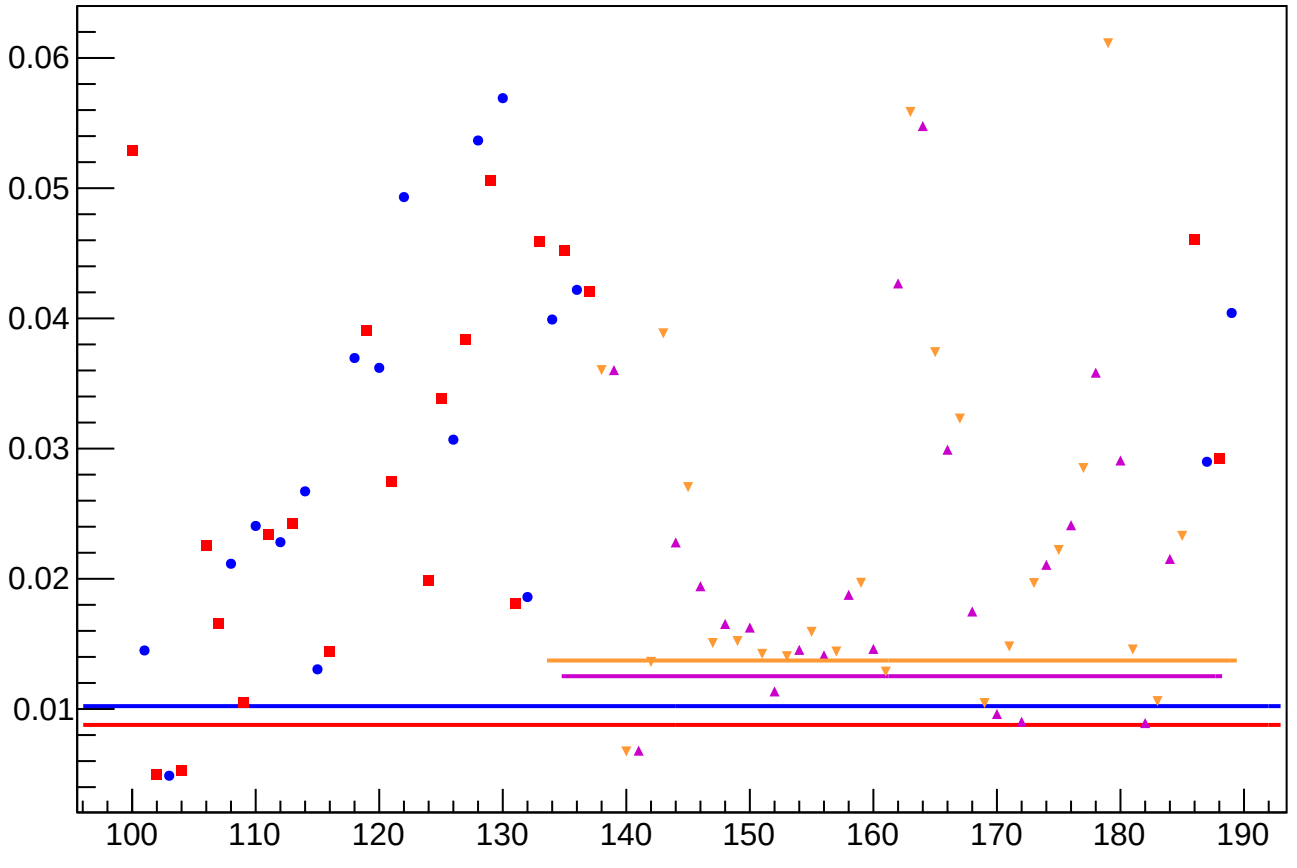
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 39.0/38

In: -0.000+/-0.000 χ^2/NDF:45.9/40

Out: -0.000+/-0.000 χ^2/NDF:69.9/45

All: -0.000+/-0.000 χ^2/NDF: 117.5/86



Right In: 0.010+/-0.000 χ^2/NDF: 7750221.0/17

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8207892.4/20

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

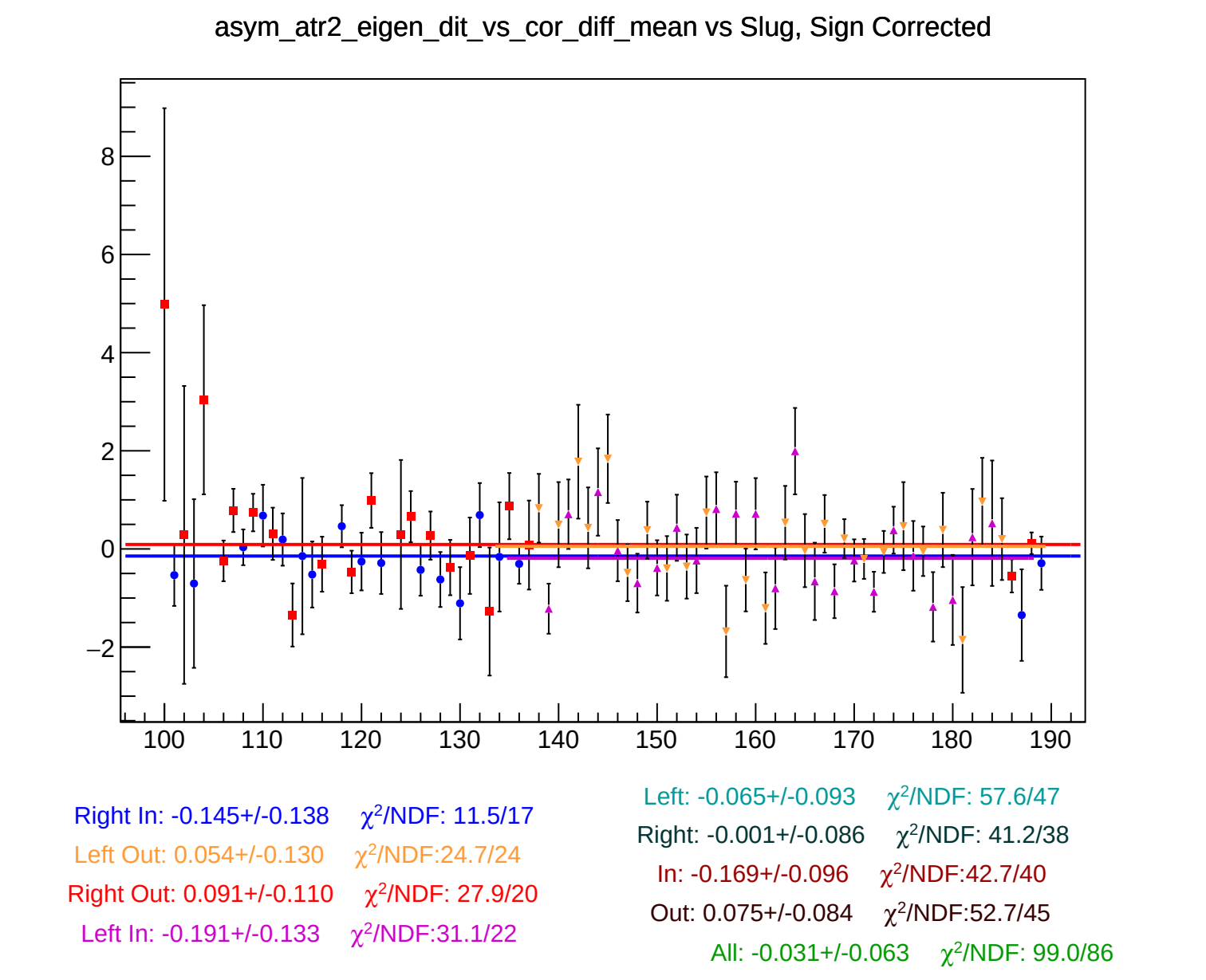
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.009+/-0.000 χ^2/NDF: 16048137.2/38

In: 0.012+/-0.000 χ^2/NDF:15131719.5/40

Out: 0.012+/-0.000 χ^2/NDF:17533734.3/45

All: 0.012+/-0.000 χ^2/NDF: 32672332.0/86


asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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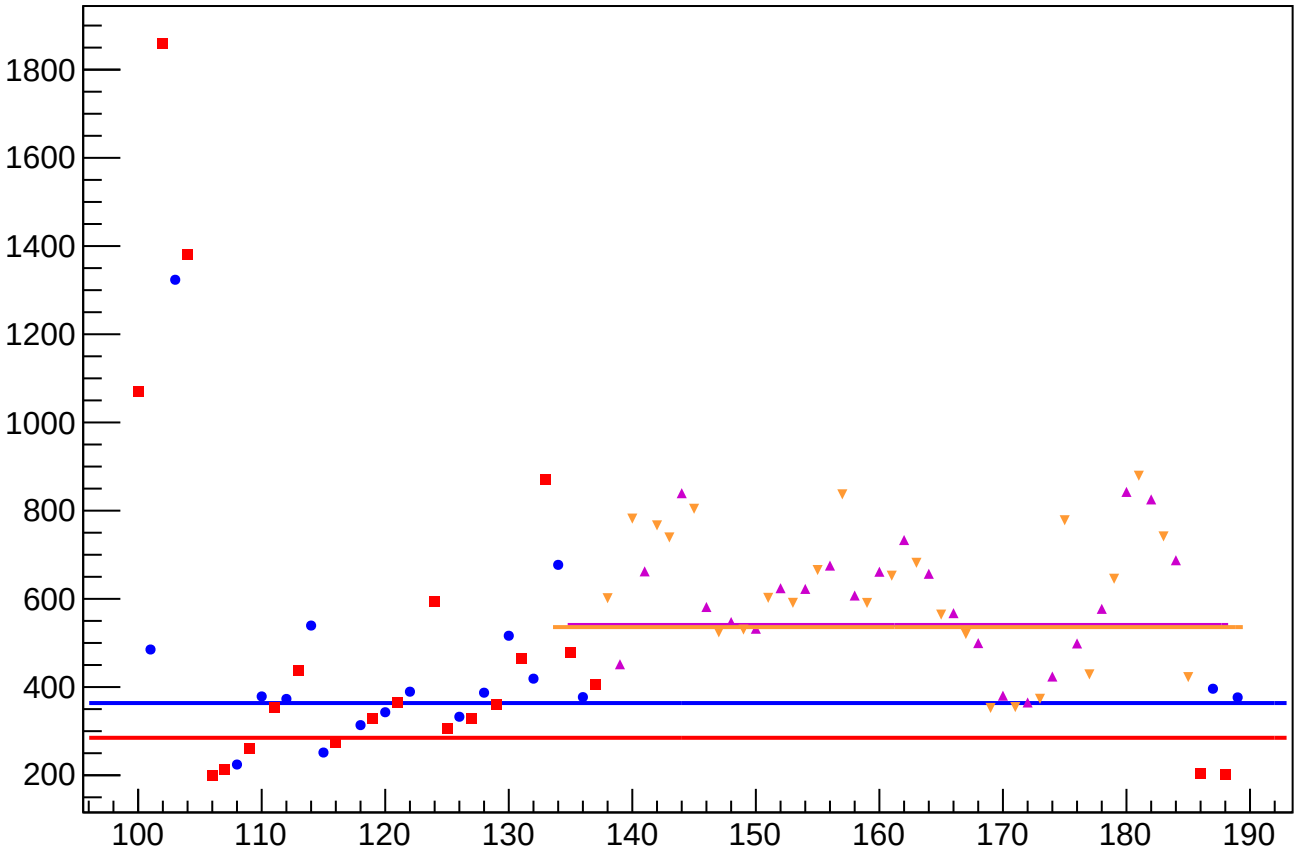
Right In: -0.145+/-0.138 χ²/NDF: 11.5/17
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: 0.091+/-0.110 χ²/NDF: 27.9/20
Left In: -0.191+/-0.133 χ²/NDF:31.1/22
Left: -0.065+/-0.093 χ²/NDF: 57.6/47
Right: -0.001+/-0.086 χ²/NDF: 41.2/38
In: -0.169+/-0.096 χ²/NDF:42.7/40
Out: 0.075+/-0.084 χ²/NDF:52.7/45
All: -0.031+/-0.063 χ²/NDF: 99.0/86



Right In: 363.726+/-0.098 χ^2/NDF: 1381145.5/17

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 284.947+/-0.078 χ^2/NDF: 2853802.7/20

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

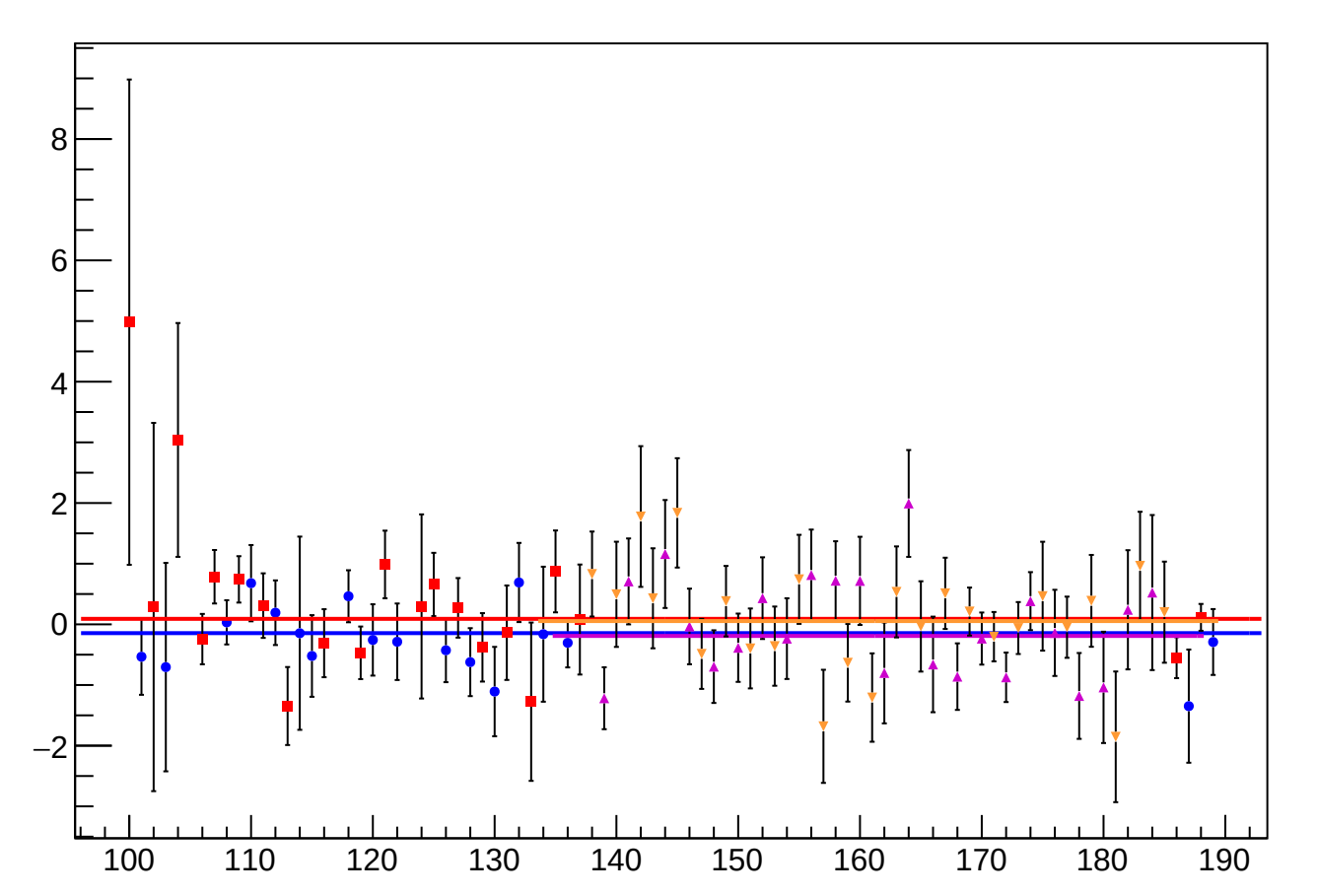
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 315.595+/-0.061 χ^2/NDF: 4631655.2/38

In: 455.611+/-0.068 χ^2/NDF:4988533.4/40

Out: 390.507+/-0.059 χ^2/NDF:9957124.8/45

All: 418.764+/-0.045 χ^2/NDF: 15467304.4/86



Right In: -0.145+/-0.138 χ^2/NDF: 11.5/17

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.091+/-0.110 χ^2/NDF: 27.9/20

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

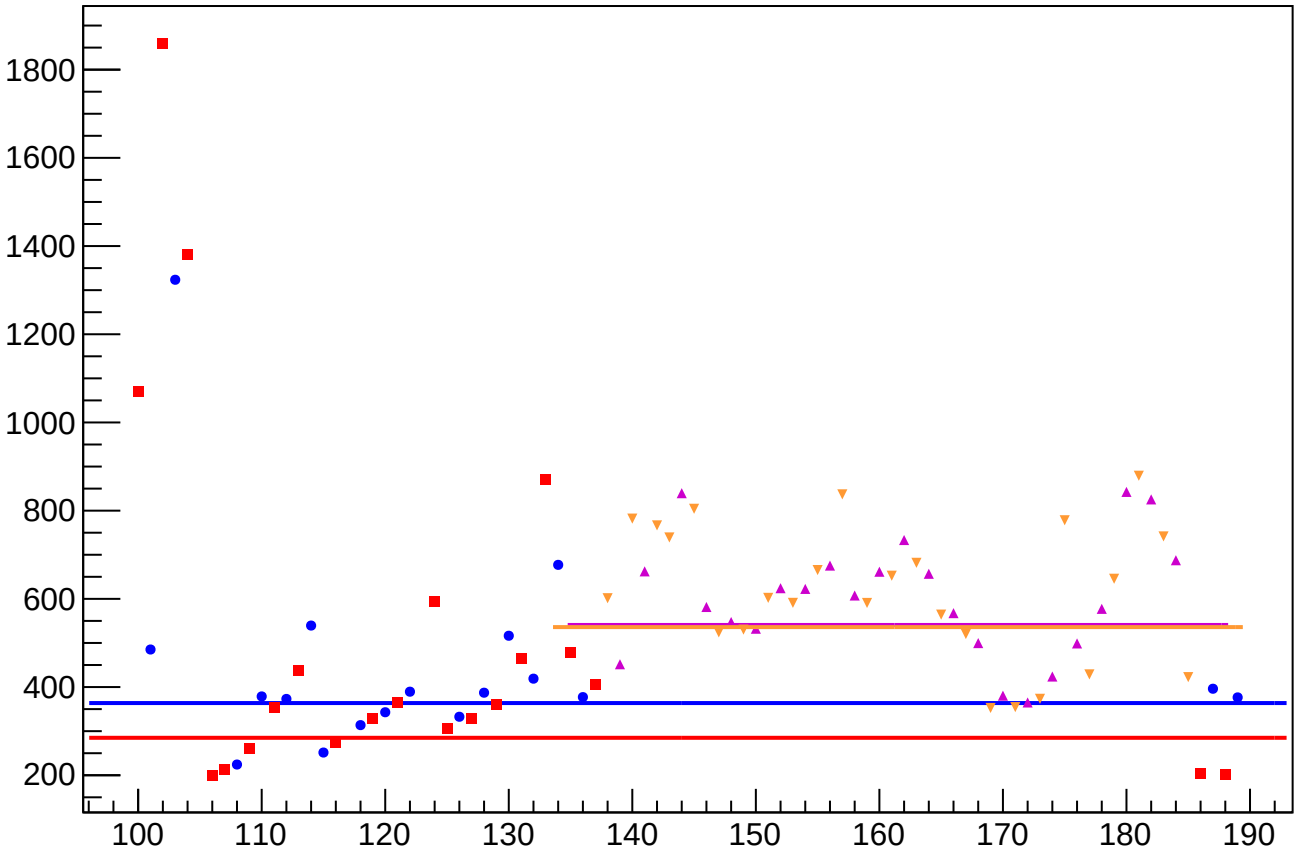
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.001+/-0.086 χ^2/NDF: 41.2/38

In: -0.169+/-0.096 χ^2/NDF:42.7/40

Out: 0.075+/-0.084 χ^2/NDF:52.7/45

All: -0.031+/-0.063 χ^2/NDF: 99.0/86



Right In: 363.726+/-0.098 χ^2/NDF: 1381145.5/17

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 284.947+/-0.078 χ^2/NDF: 2853802.7/20

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

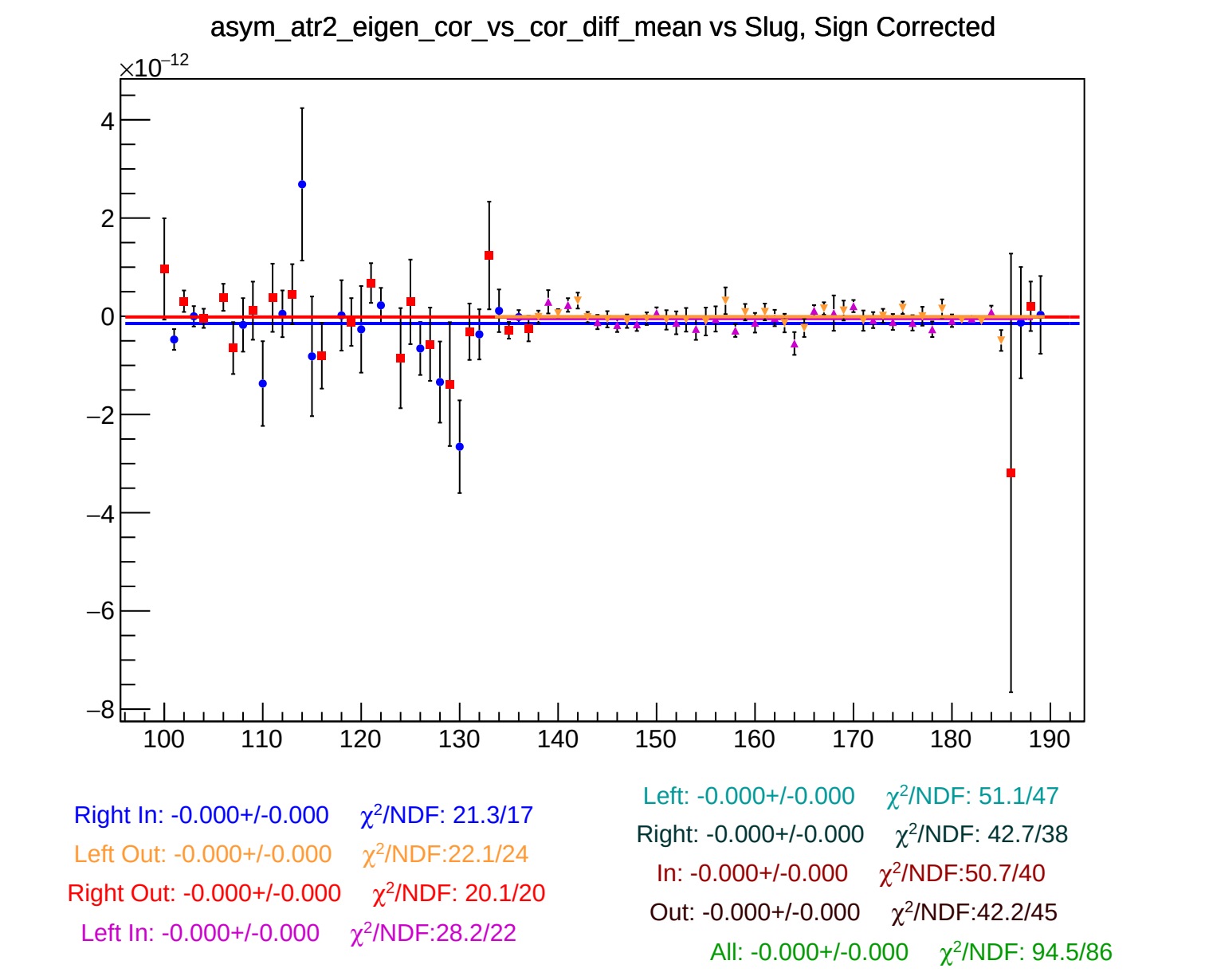
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

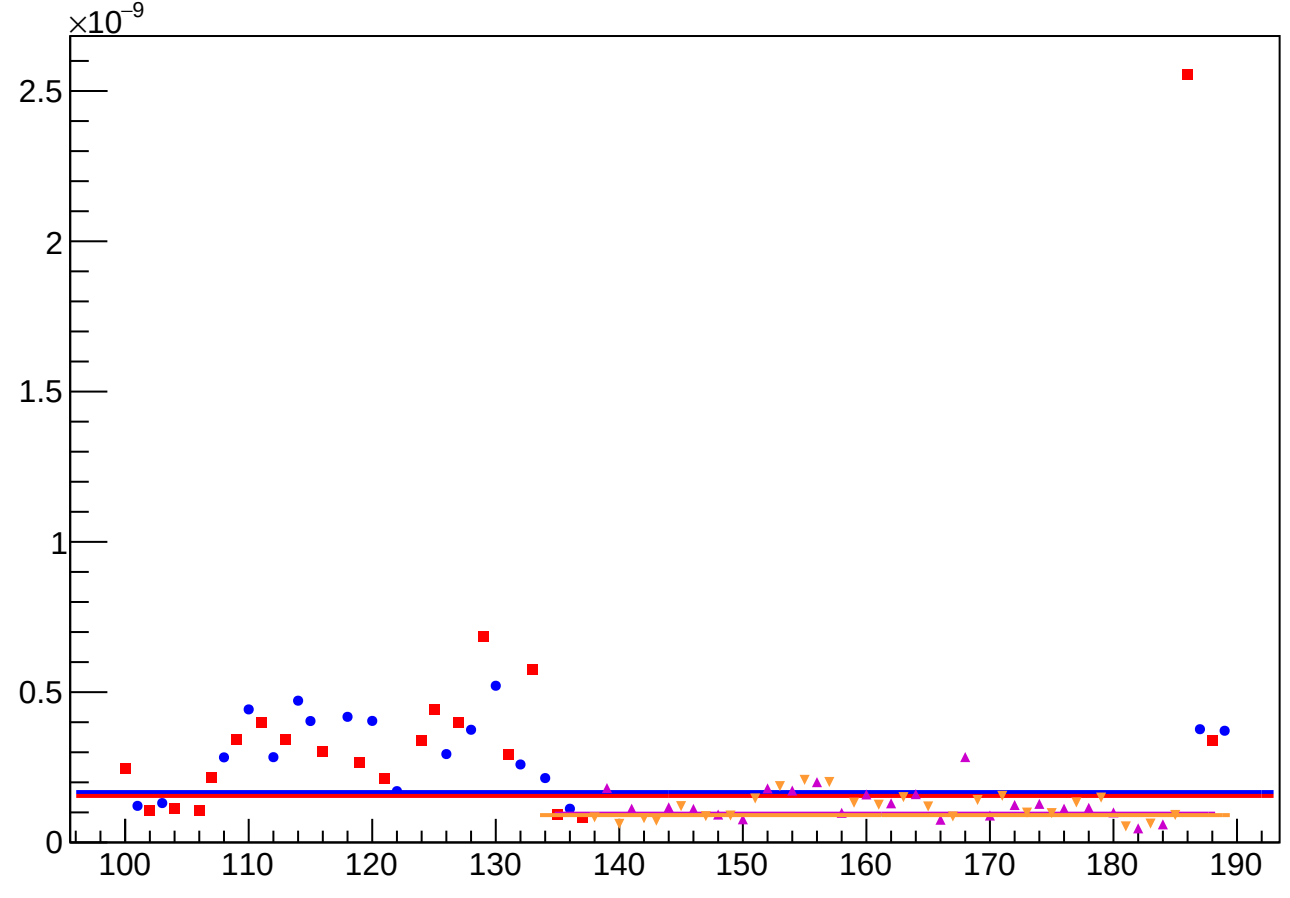
Right: 315.595+/-0.061 χ^2/NDF: 4631655.2/38

In: 455.611+/-0.068 χ^2/NDF:4988533.4/40

Out: 390.507+/-0.059 χ^2/NDF:9957124.8/45

All: 418.764+/-0.045 χ^2/NDF: 15467304.4/86


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.3/17
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.1/20
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: 42.7/38
In: -0.000+/-0.000 χ²/NDF:50.7/40
Out: -0.000+/-0.000 χ²/NDF:42.2/45
All: -0.000+/-0.000 χ²/NDF: 94.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 2215989.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3701546.1/20

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

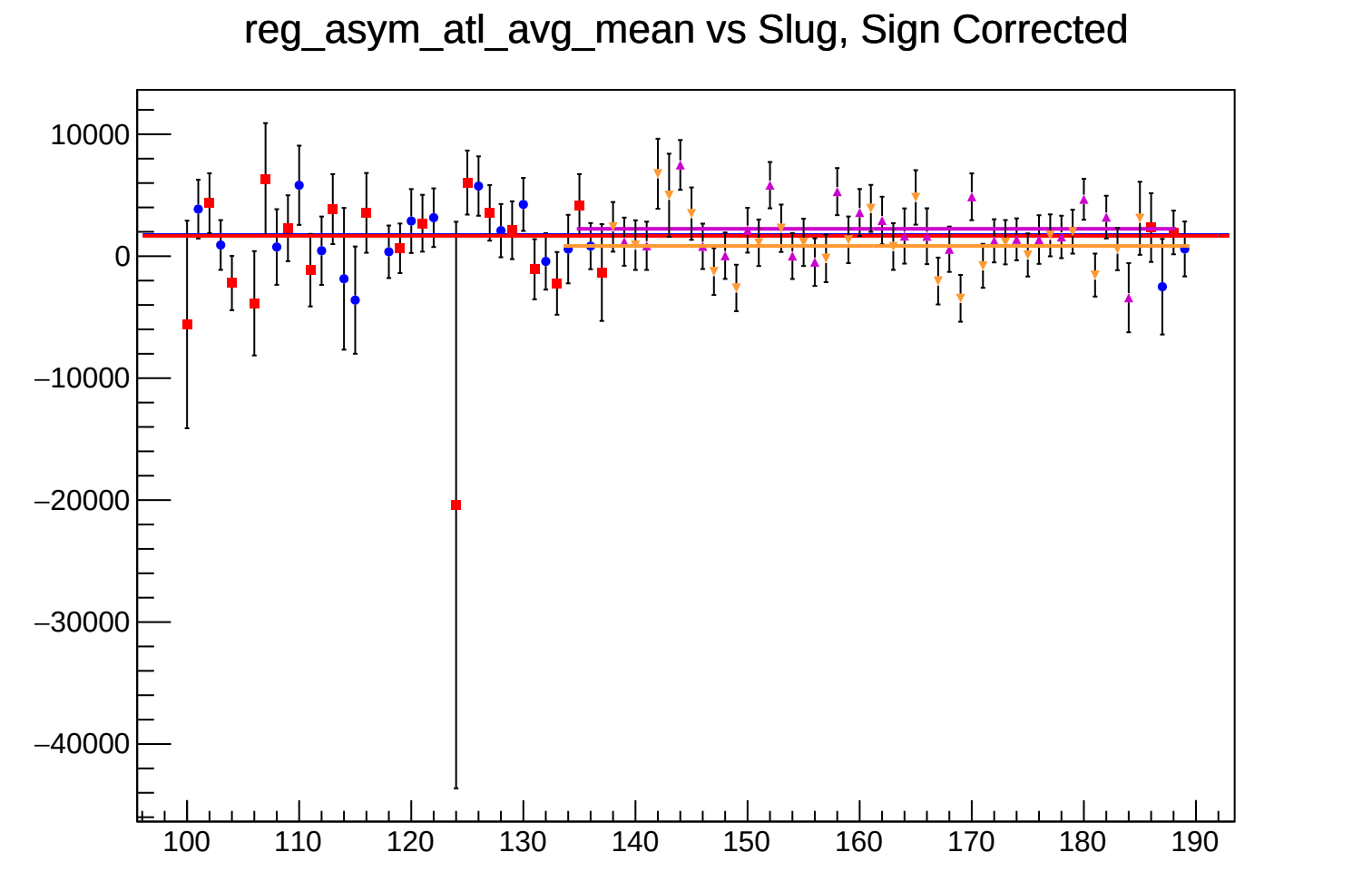
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 5940648.9/38

In: 0.000+/-0.000 χ^2/NDF:7359908.8/40

Out: 0.000+/-0.000 χ^2/NDF:8147373.4/45

All: 0.000+/-0.000 χ^2/NDF: 15552176.7/86



Right In: 1737.060+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1669.027+/-591.088 χ^2/NDF: 19.5/20

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

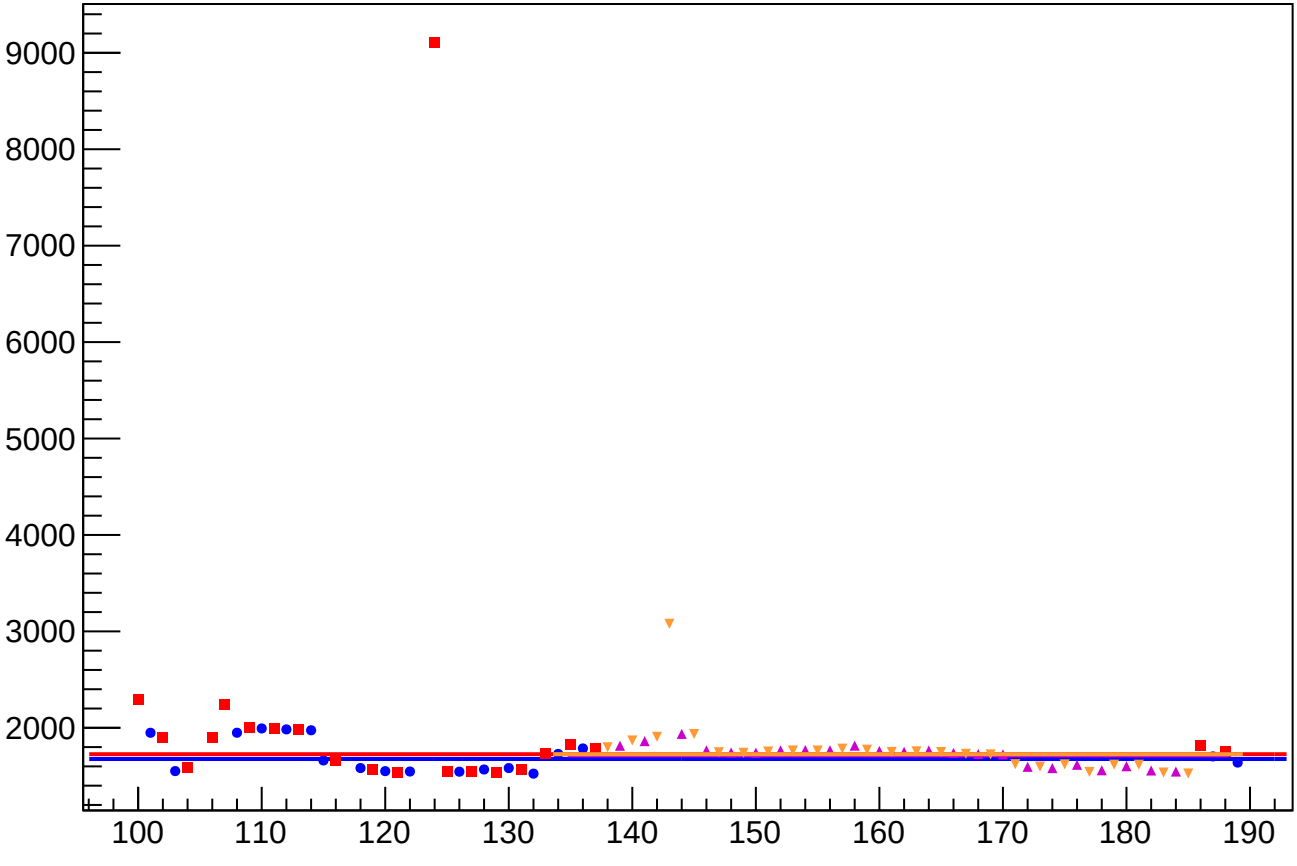
Right: 1702.665+/-420.281 χ^2/NDF: 31.9/38

In: 2087.499+/-332.859 χ^2/NDF:42.3/40

Out: 1096.519+/-328.099 χ^2/NDF:51.2/45

All: 1584.873+/-233.665 χ^2/NDF: 98.1/86

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.8/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.208+/-0.416 χ^2/NDF: 385800.6/20

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

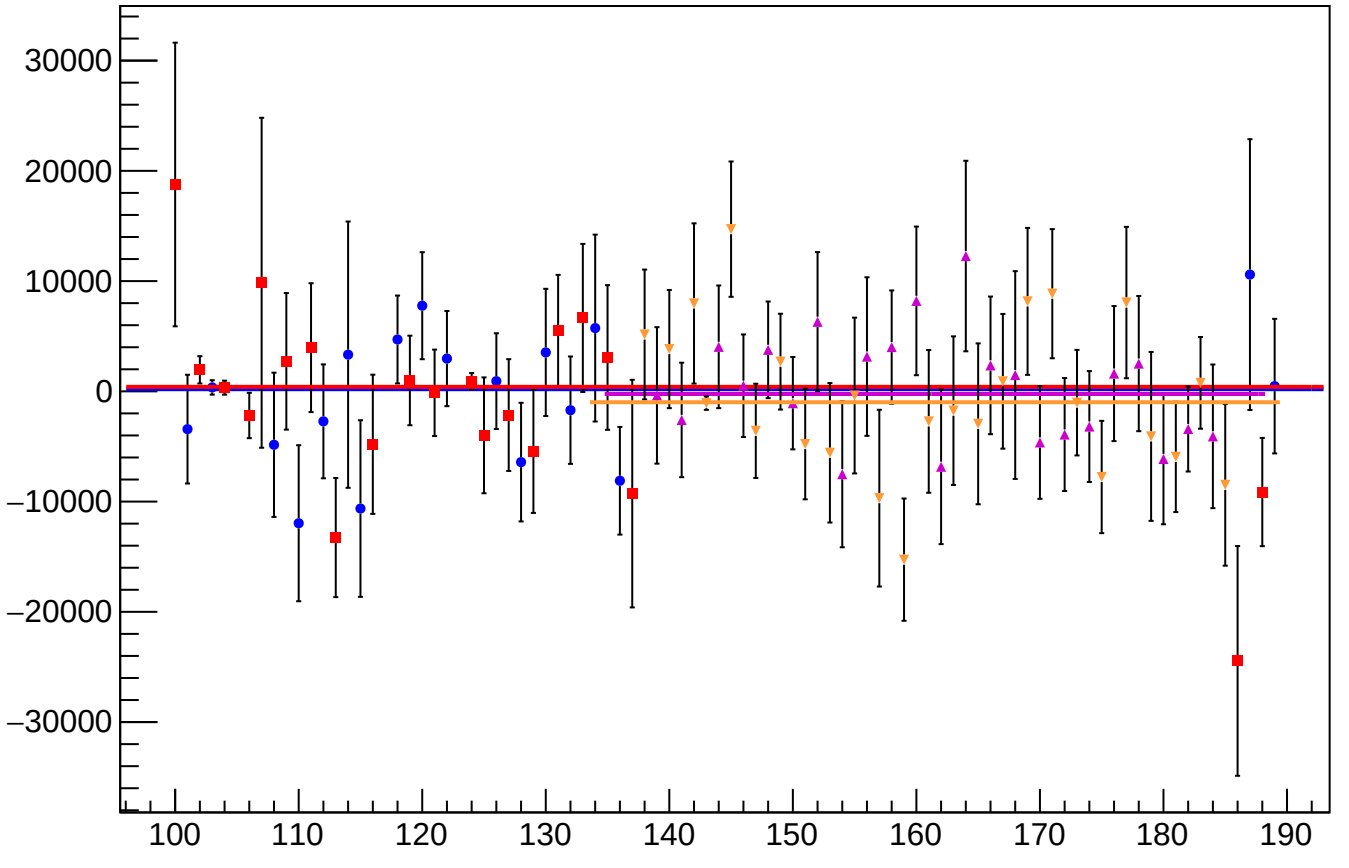
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1701.661+/-0.297 χ^2/NDF: 535002.3/38

In: 1701.744+/-0.235 χ^2/NDF:276660.6/40

Out: 1726.105+/-0.232 χ^2/NDF:840731.4/45

All: 1714.115+/-0.165 χ^2/NDF: 1122832.1/86



Right In: 195.010+/-588.172 χ^2/NDF: 16.6/17

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 408.375+/-422.854 χ^2/NDF: 28.1/20

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

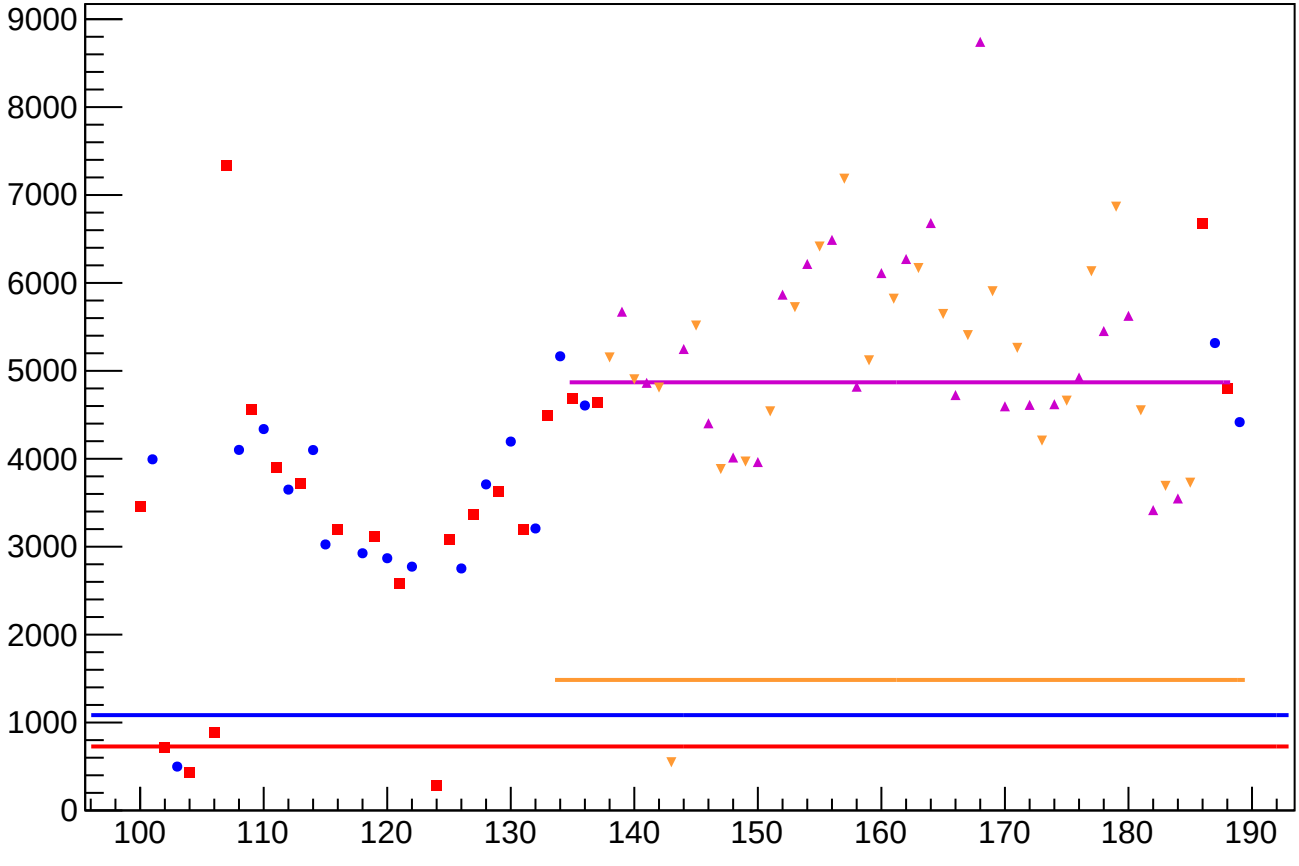
Right: 335.673+/-343.335 χ^2/NDF: 44.7/38

In: 106.742+/-525.055 χ^2/NDF:30.2/40

Out: -120.736+/-333.218 χ^2/NDF:63.0/45

All: -55.422+/-281.344 χ^2/NDF: 93.4/86

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1084.245+/-0.416 χ^2/NDF: 8955286.6/17

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 727.712+/-0.299 χ^2/NDF: 10679153.2/20

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

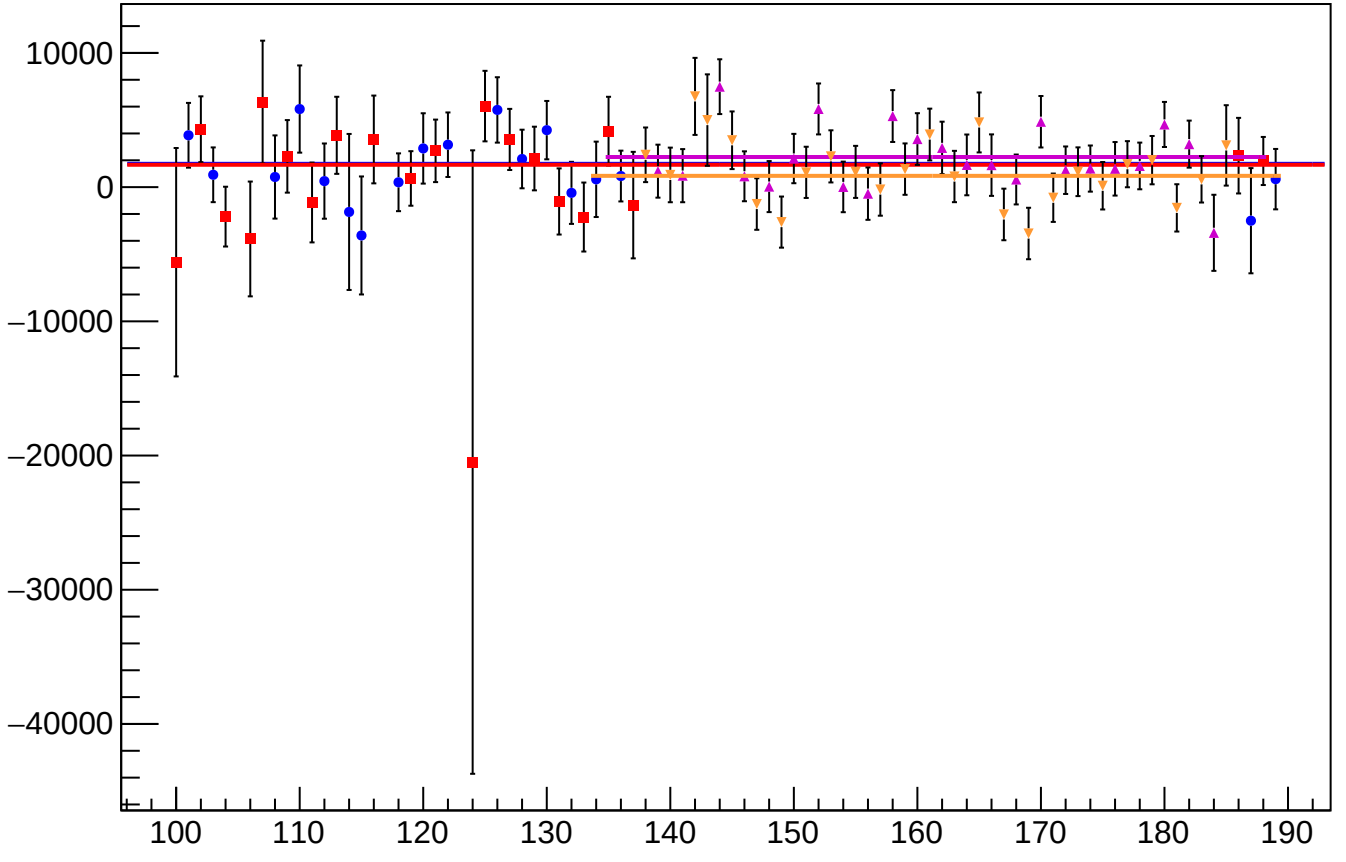
Right: 849.198+/-0.243 χ^2/NDF: 20118921.3/38

In: 1853.095+/-0.371 χ^2/NDF:27255550.3/40

Out: 1014.574+/-0.236 χ^2/NDF:36332569.6/45

All: 1255.331+/-0.199 χ^2/NDF: 67224462.4/8

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1737.204+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1666.978+/-591.092 χ^2/NDF: 19.5/20

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

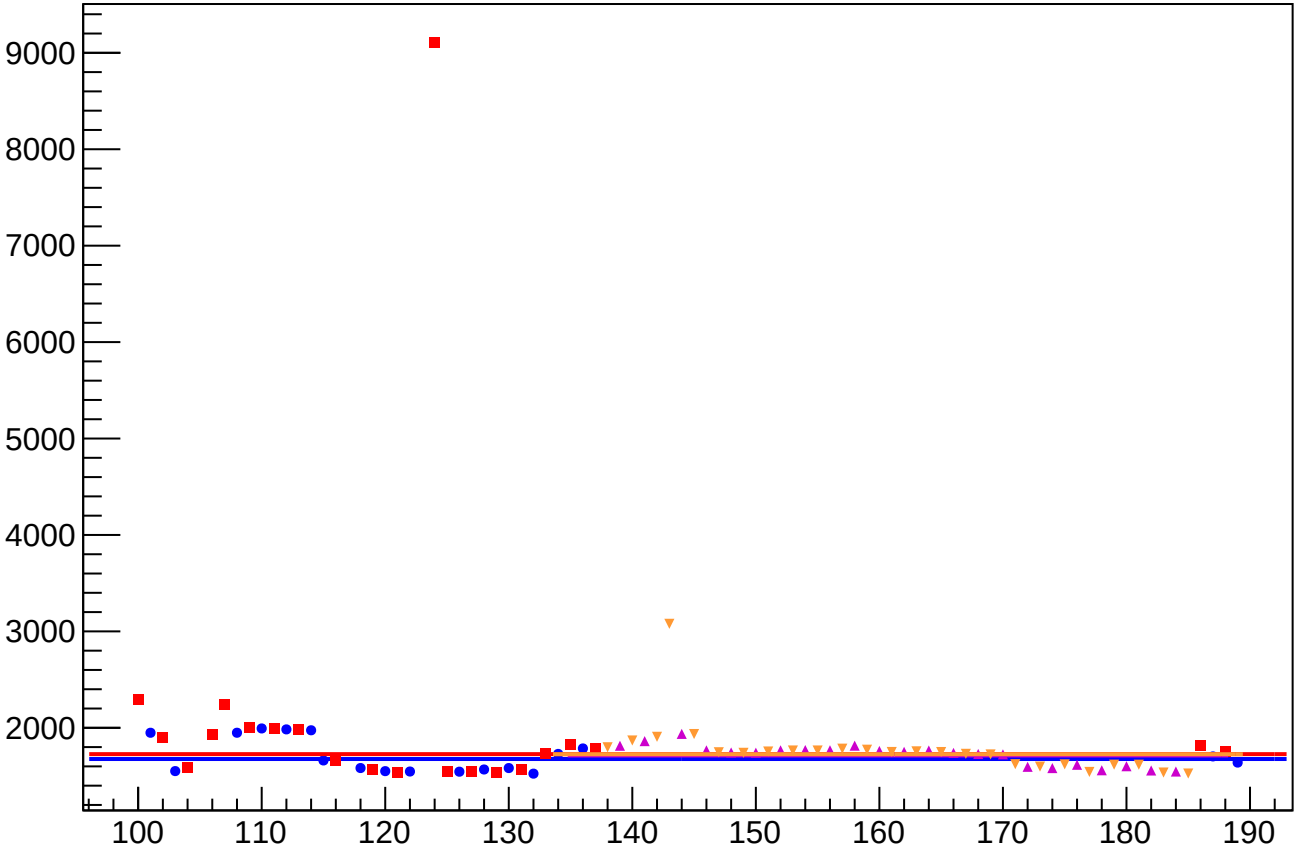
Right: 1701.700+/-420.283 χ^2/NDF: 31.9/38

In: 2087.557+/-332.859 χ^2/NDF:42.3/40

Out: 1095.880+/-328.099 χ^2/NDF:51.2/45

All: 1584.578+/-233.666 χ^2/NDF: 98.0/86

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.9/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.922+/-0.416 χ^2/NDF: 387479.3/20

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

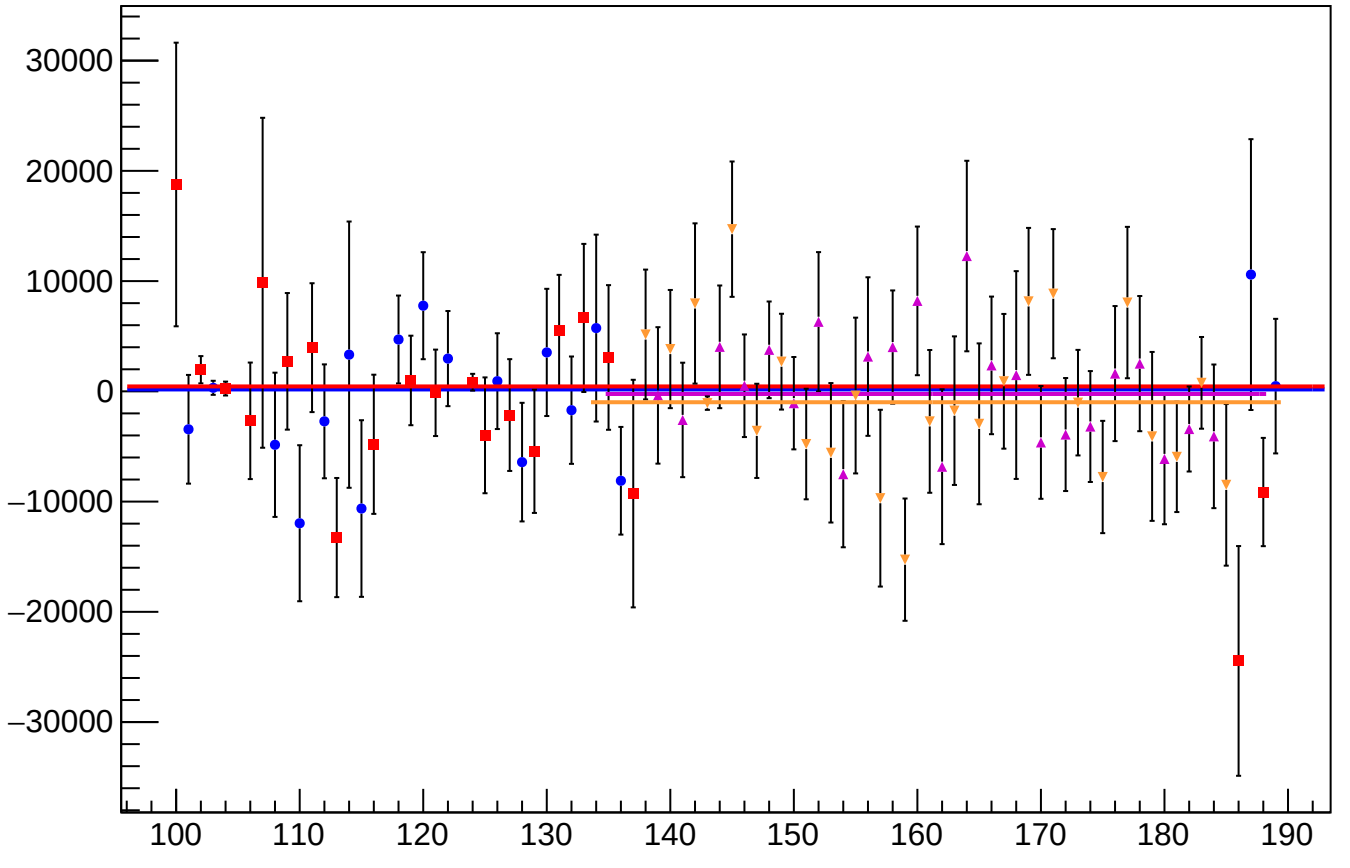
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1702.013+/-0.297 χ^2/NDF: 536882.0/38

In: 1701.744+/-0.235 χ^2/NDF:276660.7/40

Out: 1726.326+/-0.232 χ^2/NDF:842413.0/45

All: 1714.225+/-0.165 χ^2/NDF: 1124612.3/86



Right In: 172.439+/-576.129 χ^2/NDF: 16.5/17

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 445.283+/-428.612 χ^2/NDF: 26.8/20

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

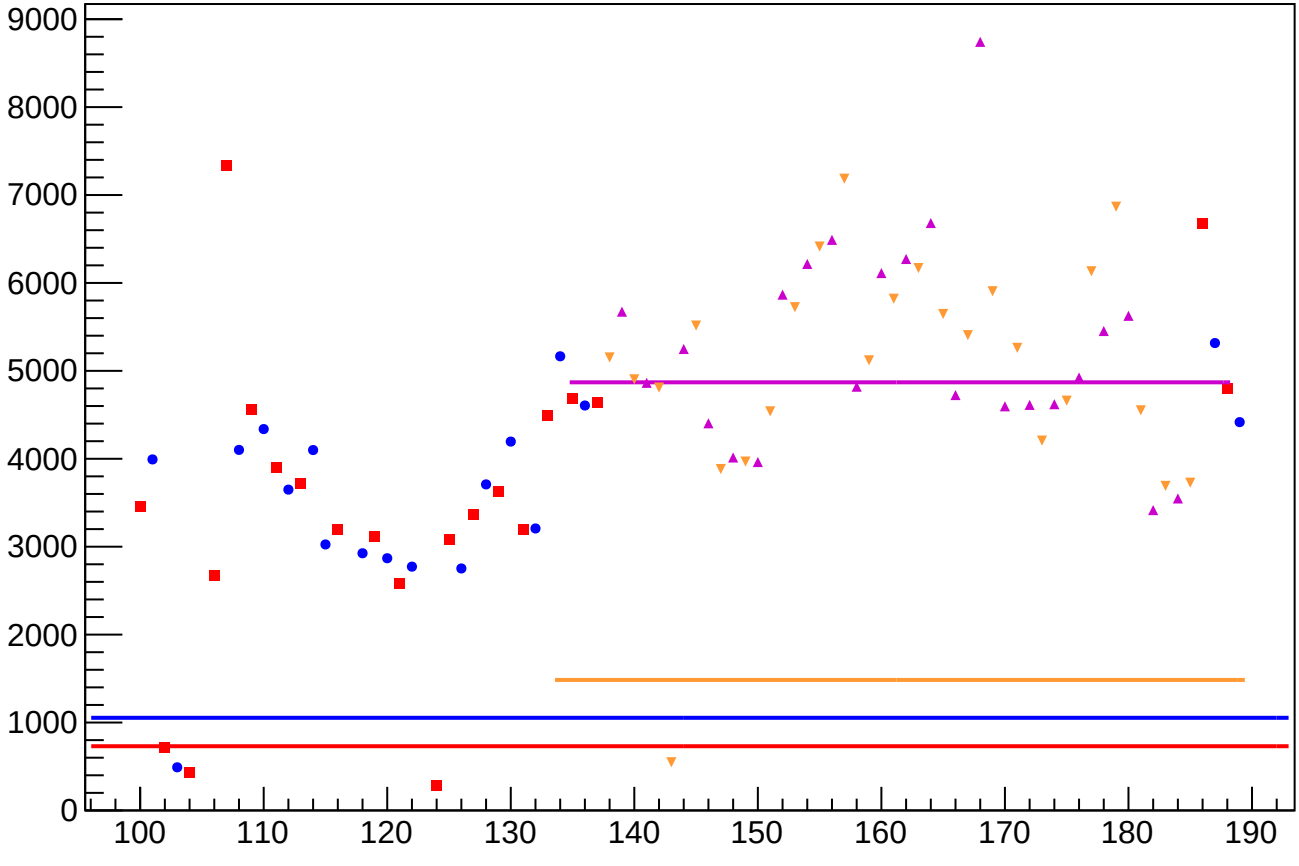
Right: 348.075+/-343.886 χ^2/NDF: 43.5/38

In: 91.501+/-516.434 χ^2/NDF:30.2/40

Out: -106.865+/-336.010 χ^2/NDF:61.9/45

All: -47.867+/-281.644 χ^2/NDF: 92.2/86

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1053.878+/-0.407 χ^2/NDF: 9080505.0/17

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 730.528+/-0.303 χ^2/NDF: 10955944.6/20

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

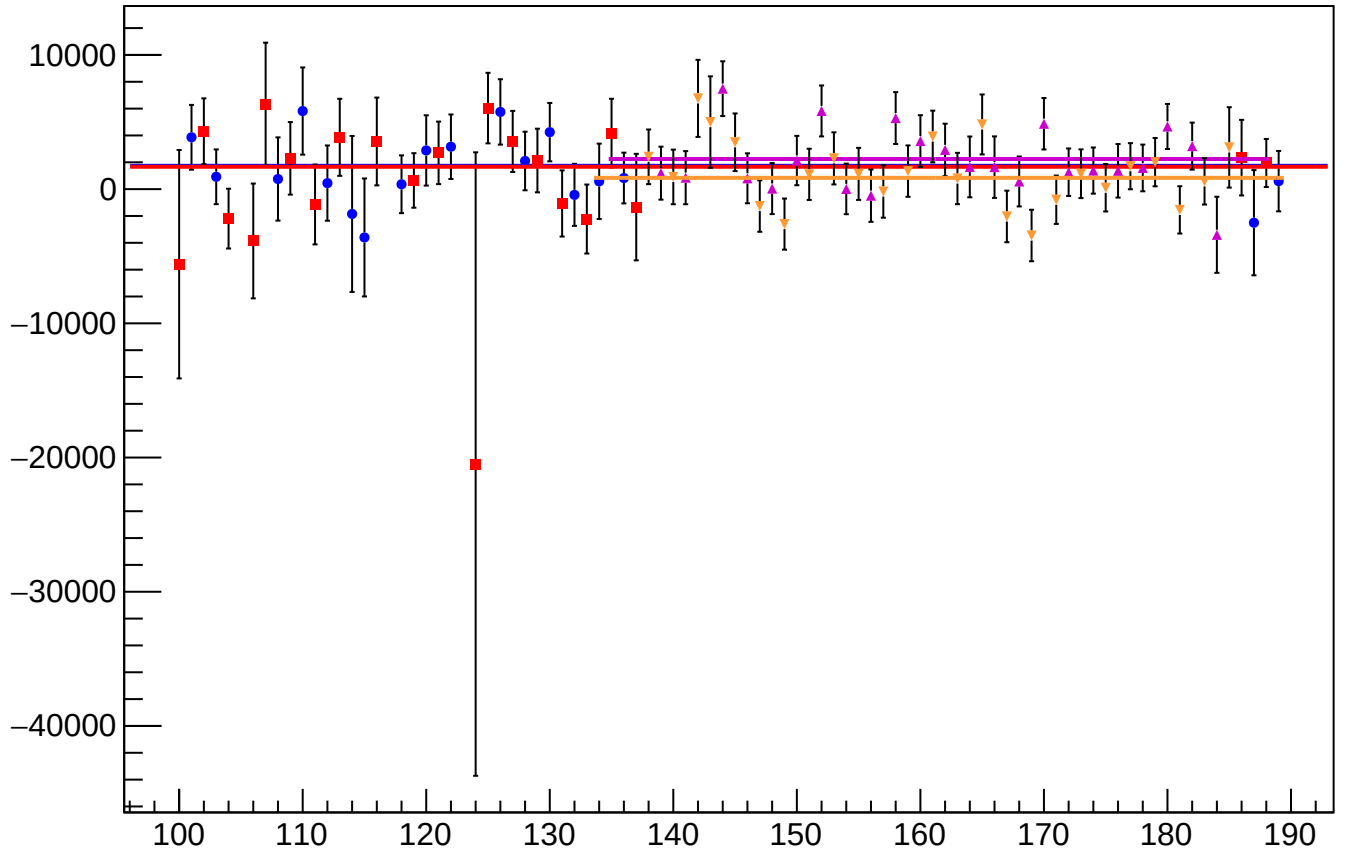
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 845.731+/-0.243 χ^2/NDF: 20441990.8/38

In: 1803.656+/-0.365 χ^2/NDF:27793710.8/40

Out: 1021.121+/-0.238 χ^2/NDF:36566749.5/45

All: 1253.863+/-0.199 χ^2/NDF: 67586749.8/8



Right In: 1737.204+/-597.703 χ^2/NDF: 12.4/17

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1666.978+/-591.092 χ^2/NDF: 19.5/20

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

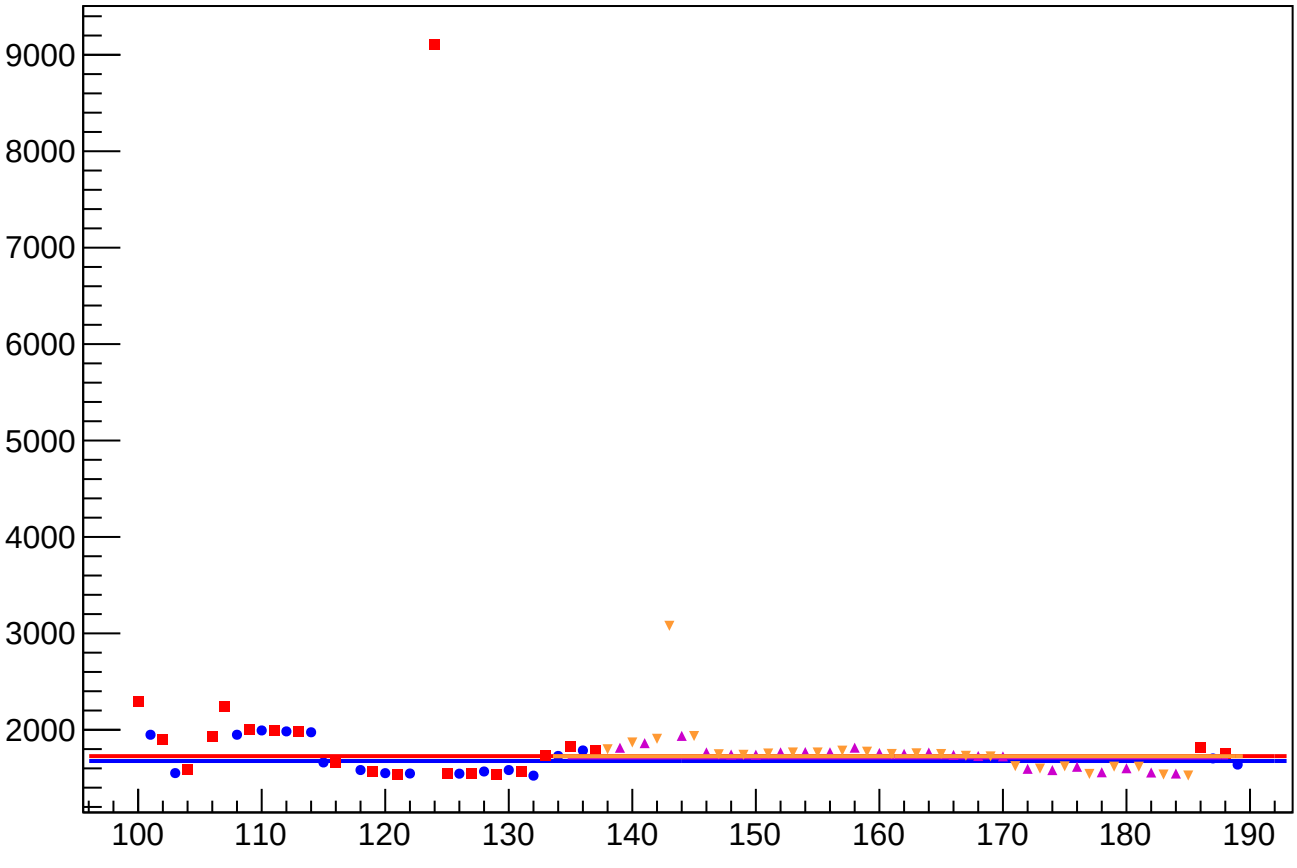
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1701.700+/-420.283 χ^2/NDF: 31.9/38

In: 2087.557+/-332.859 χ^2/NDF:42.3/40

Out: 1095.880+/-328.099 χ^2/NDF:51.2/45

All: 1584.578+/-233.666 χ^2/NDF: 98.0/86



Right In: 1676.359+/-0.423 χ^2/NDF: 142140.9/17

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.922+/-0.416 χ^2/NDF: 387479.3/20

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

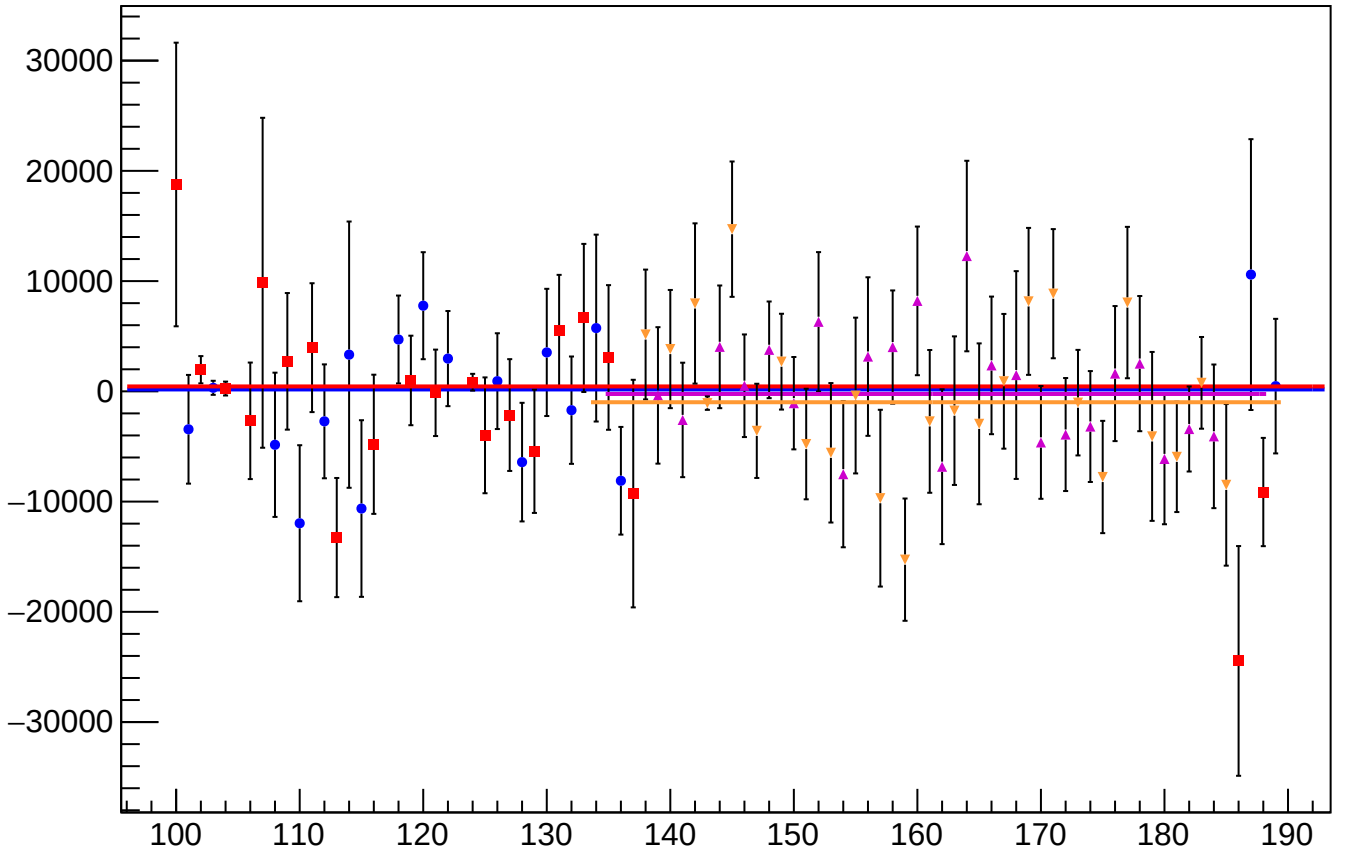
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1702.013+/-0.297 χ^2/NDF: 536882.0/38

In: 1701.744+/-0.235 χ^2/NDF:276660.7/40

Out: 1726.326+/-0.232 χ^2/NDF:842413.0/45

All: 1714.225+/-0.165 χ^2/NDF: 1124612.3/86



Right In: 172.439+/-576.129 χ^2/NDF: 16.5/17

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 445.283+/-428.612 χ^2/NDF: 26.8/20

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

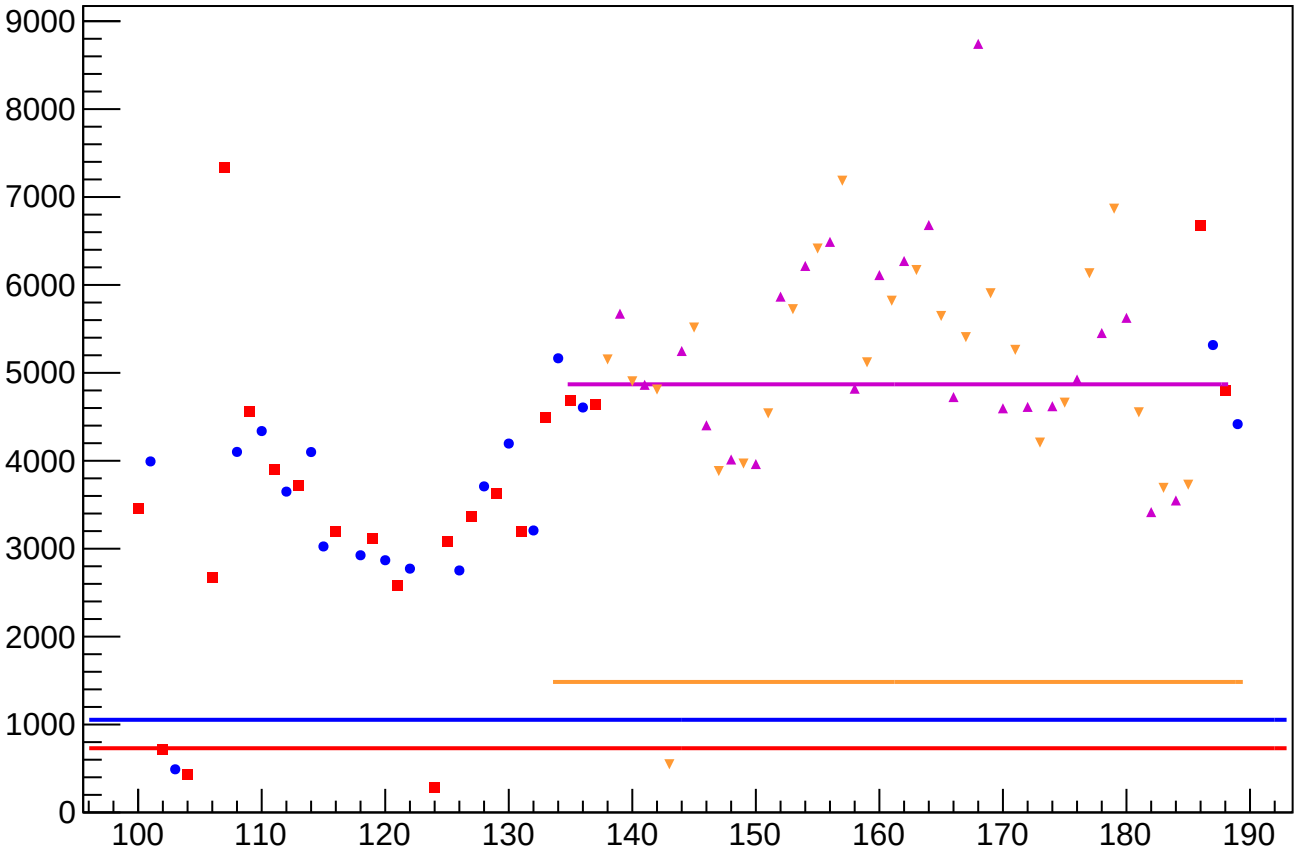
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 348.075+/-343.886 χ^2/NDF: 43.5/38

In: 91.501+/-516.434 χ^2/NDF:30.2/40

Out: -106.865+/-336.010 χ^2/NDF:61.9/45

All: -47.867+/-281.644 χ^2/NDF: 92.2/86



Right In: 1053.878+/-0.407 χ^2/NDF: 9080505.0/17

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 730.528+/-0.303 χ^2/NDF: 10955944.6/20

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

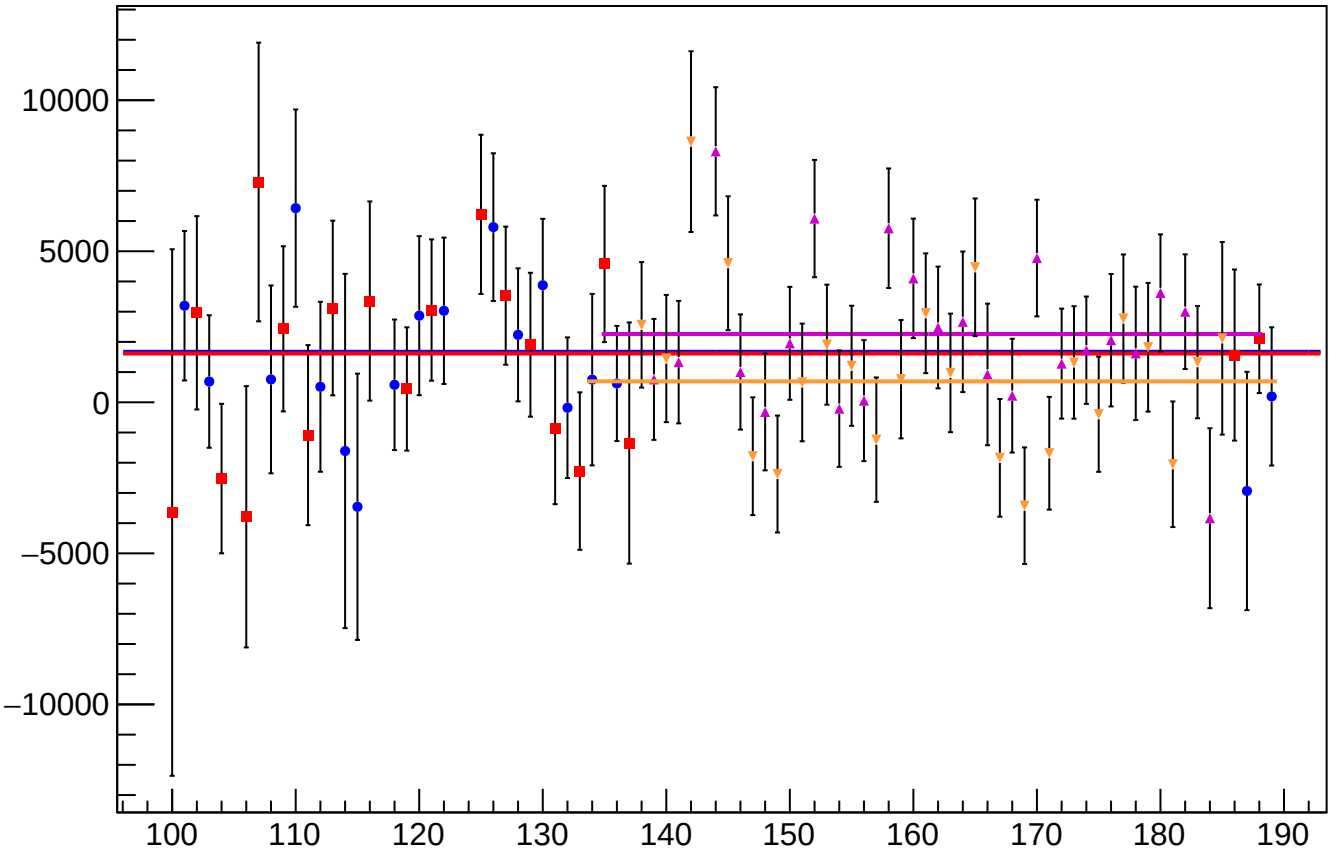
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 845.731+/-0.243 χ^2/NDF: 20441990.8/38

In: 1803.656+/-0.365 χ^2/NDF:27793710.8/40

Out: 1021.121+/-0.238 χ^2/NDF:36566749.5/45

All: 1253.863+/-0.199 χ^2/NDF: 67586749.8/8



Right In: 1671.935+/-605.870 χ^2/NDF: 12.1/17

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1614.439+/-606.016 χ^2/NDF: 17.5/19

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

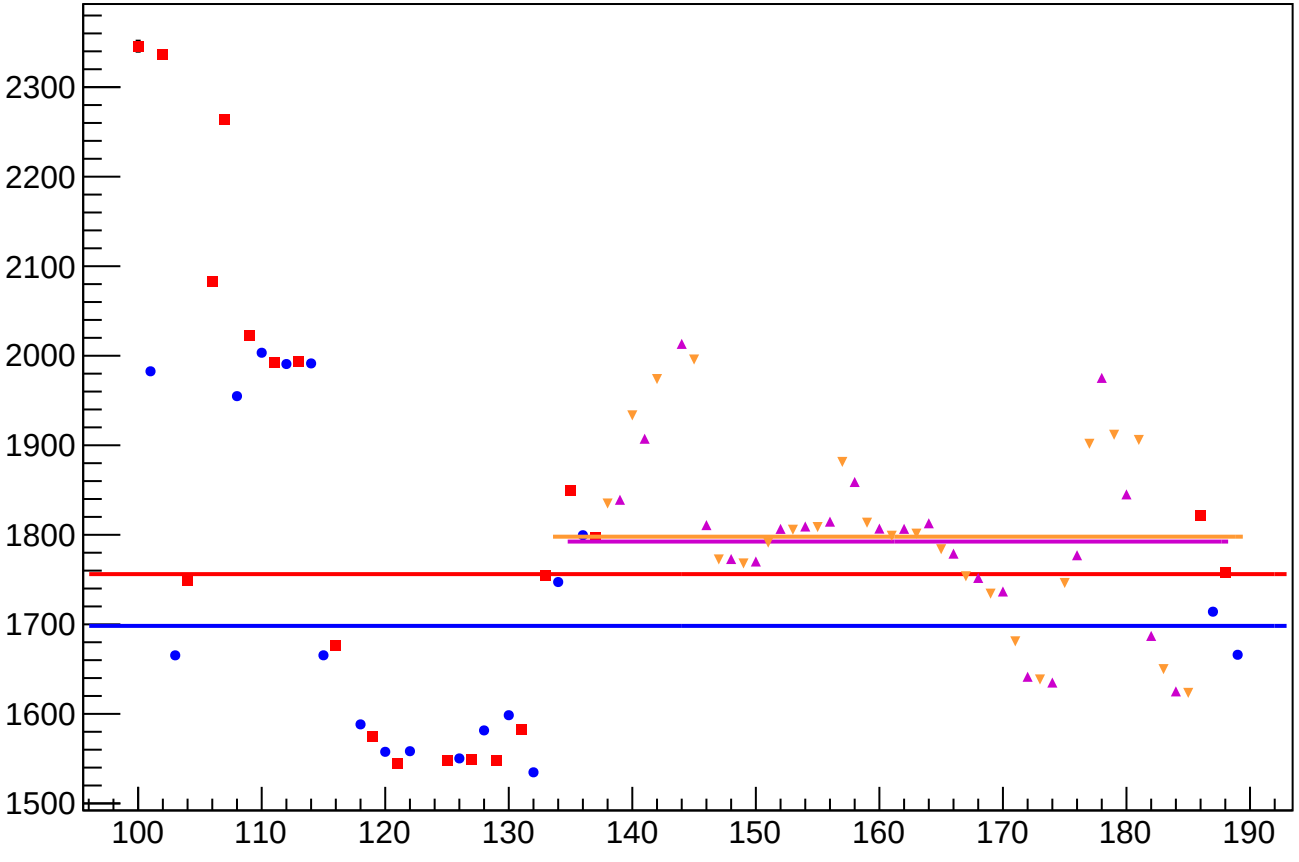
Right: 1643.194+/-428.466 χ^2/NDF: 29.7/37

In: 2070.829+/-344.716 χ^2/NDF:43.2/40

Out: 990.996+/-344.116 χ^2/NDF:51.3/43

All: 1529.971+/-243.539 χ^2/NDF: 99.4/84

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1698.272+/-0.428 χ^2/NDF: 135870.9/17

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1756.098+/-0.428 χ^2/NDF: 249093.1/19

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

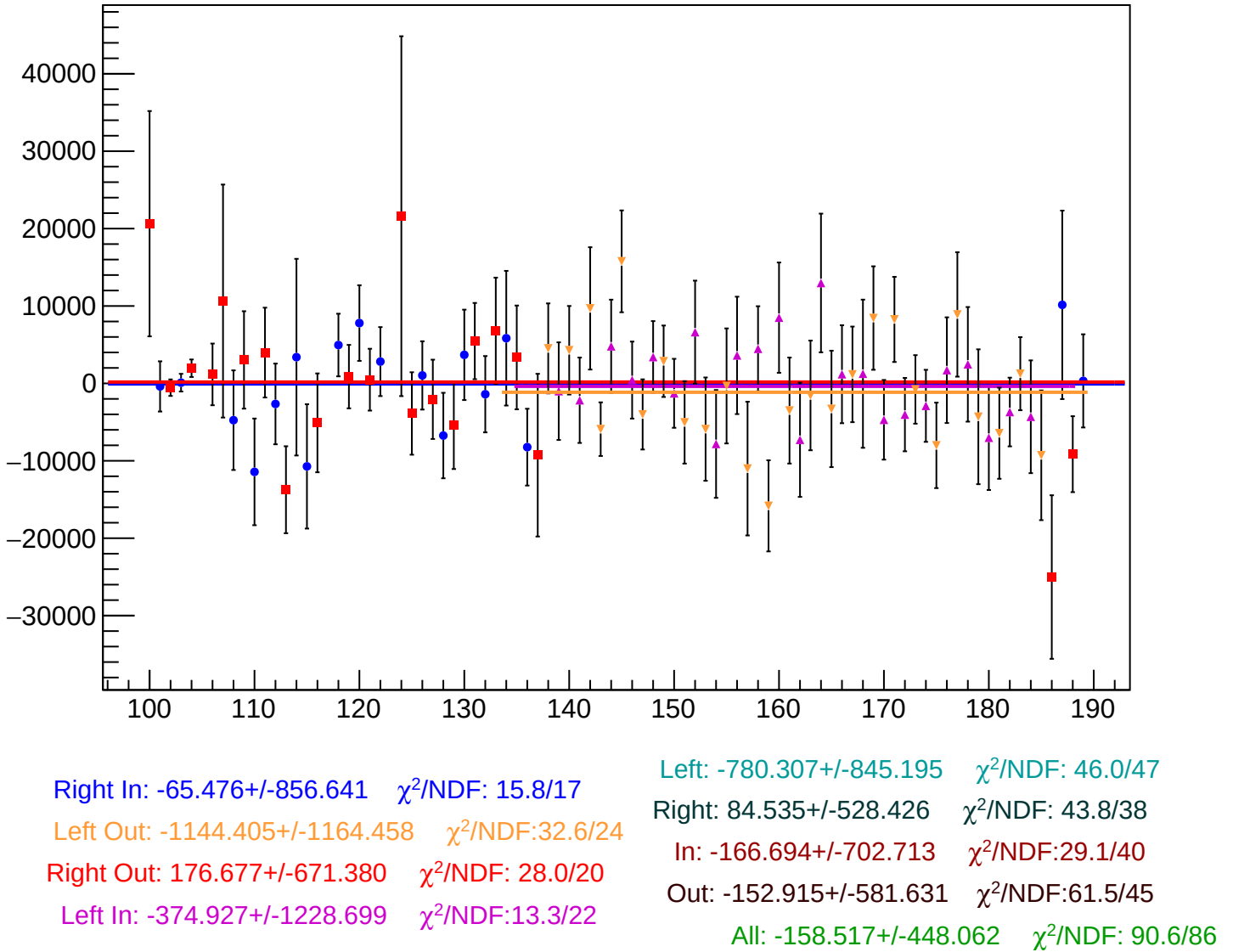
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

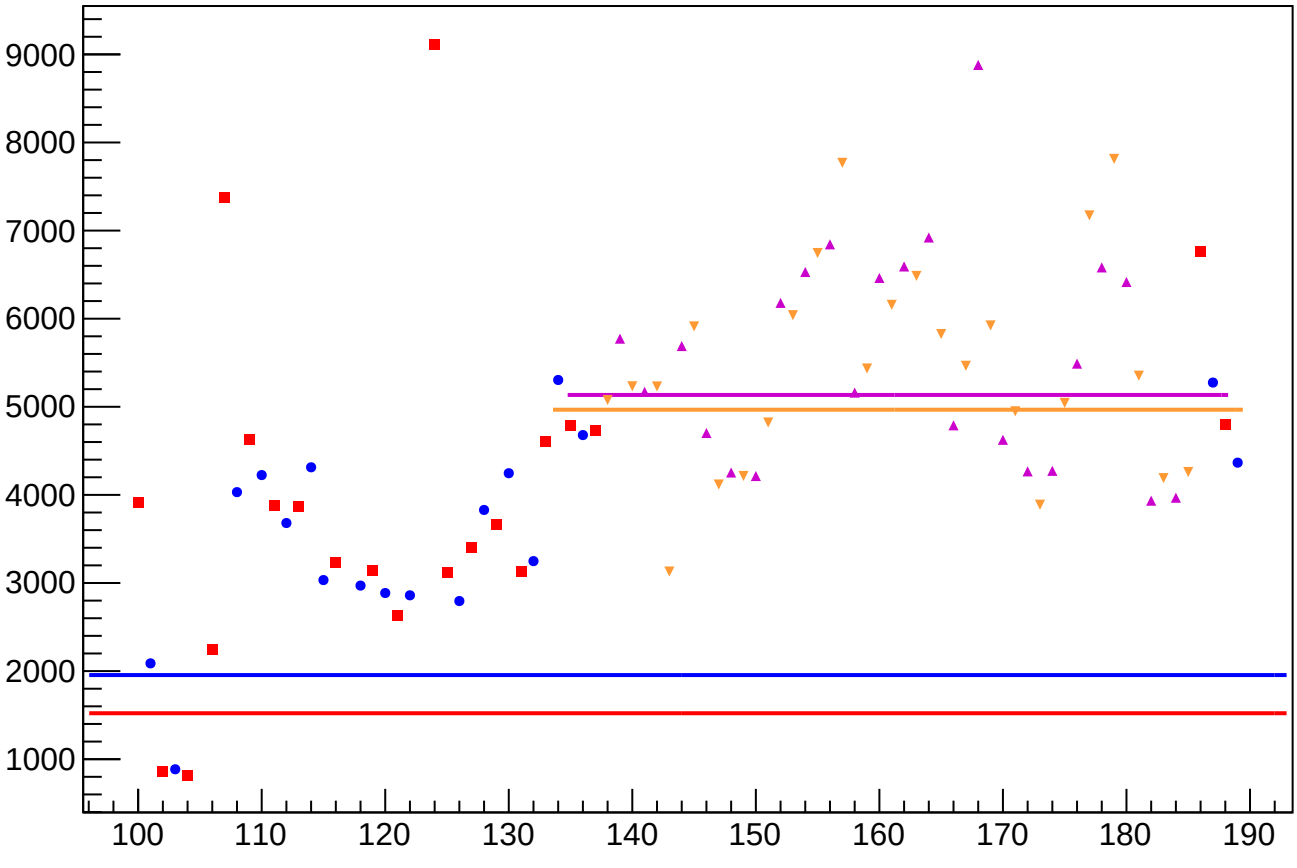
Right: 1727.233+/-0.303 χ^2/NDF: 394088.3/37

In: 1761.963+/-0.244 χ^2/NDF:261427.3/40

Out: 1784.393+/-0.243 χ^2/NDF:353562.7/43

All: 1773.205+/-0.172 χ^2/NDF: 619233.6/84


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -65.476+/-856.641 χ²/NDF: 15.8/17
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: 176.677+/-671.380 χ²/NDF: 28.0/20
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: 84.535+/-528.426 χ²/NDF: 43.8/38
In: -166.694+/-702.713 χ²/NDF:29.1/40
Out: -152.915+/-581.631 χ²/NDF:61.5/45
All: -158.517+/-448.062 χ²/NDF: 90.6/86



Right In: 1954.949+/-0.606 χ^2/NDF: 4907147.1/17

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1521.638+/-0.475 χ^2/NDF: 7381844.3/20

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

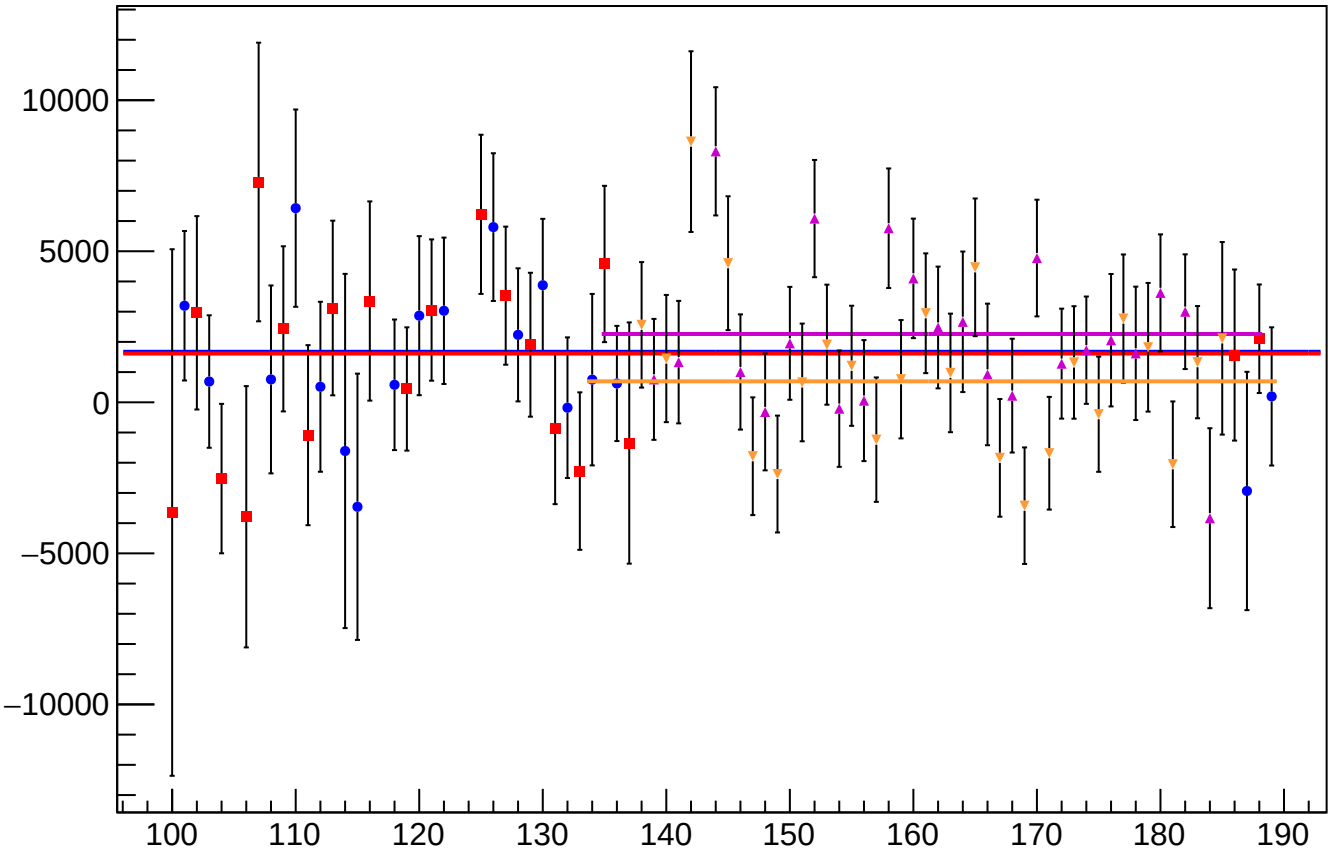
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1686.519+/-0.374 χ^2/NDF: 12605994.8/38

In: 2994.925+/-0.497 χ^2/NDF:15406058.4/40

Out: 2381.179+/-0.411 χ^2/NDF:22439312.5/45

All: 2630.701+/-0.317 χ^2/NDF: 38750751.8/8



Right In: 1671.934+/-605.870 χ^2/NDF: 12.1/17

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1614.439+/-606.016 χ^2/NDF: 17.5/19

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

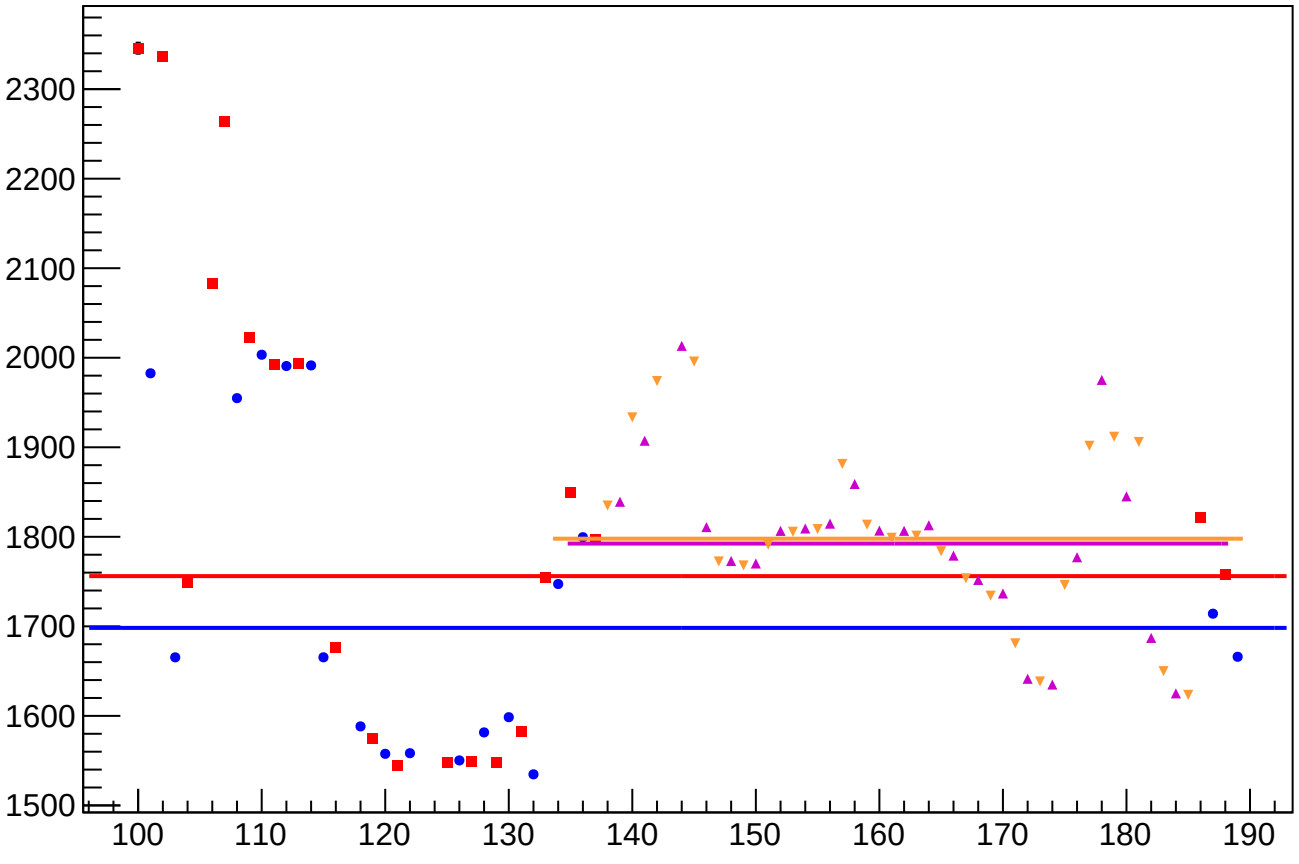
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1643.194+/-428.466 χ^2/NDF: 29.7/37

In: 2070.828+/-344.716 χ^2/NDF:43.2/40

Out: 990.993+/-344.116 χ^2/NDF:51.3/43

All: 1529.970+/-243.539 χ^2/NDF: 99.4/84



Right In: 1698.272+/-0.428 χ^2/NDF: 135871.2/17

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1756.097+/-0.428 χ^2/NDF: 249092.6/19

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

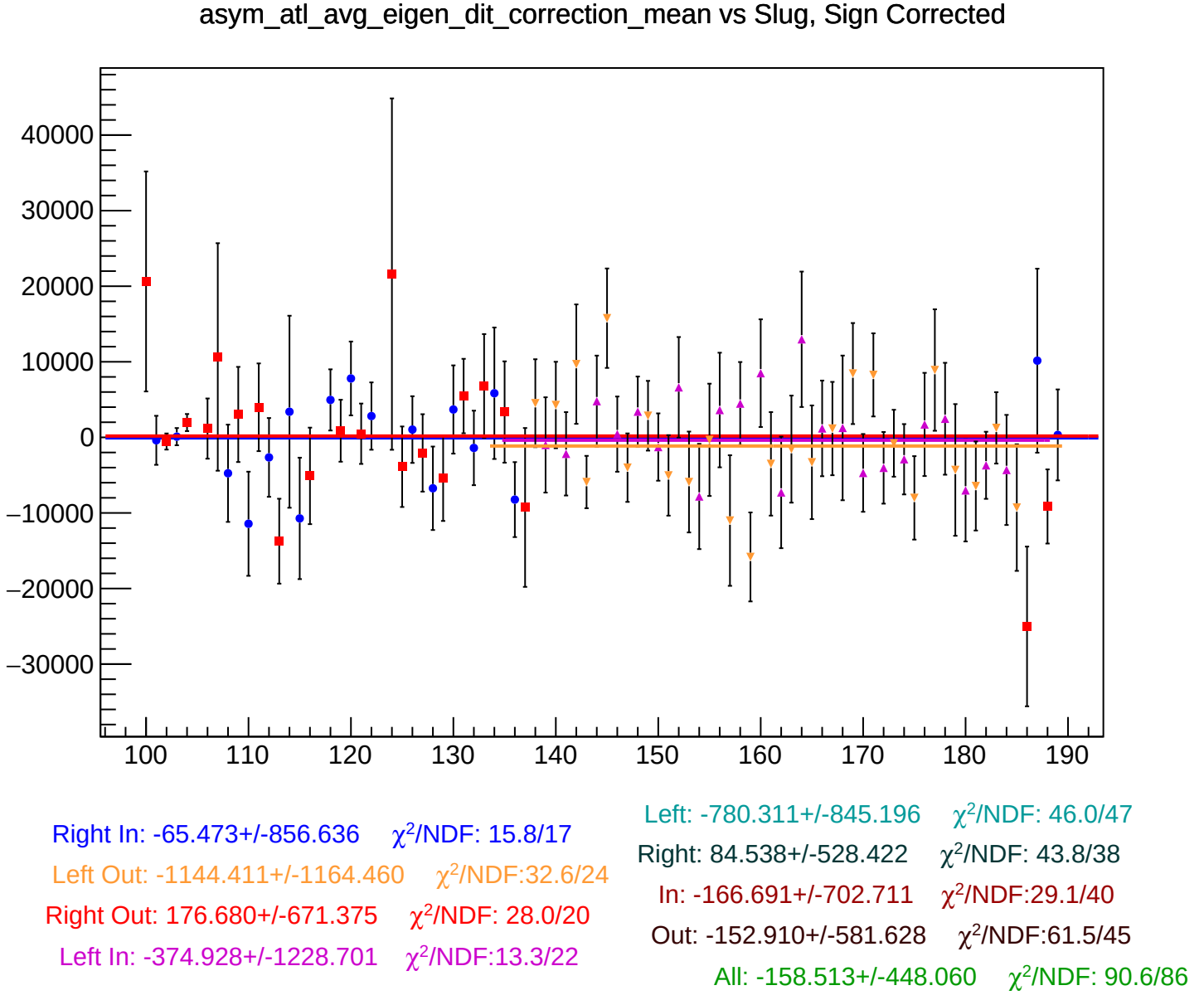
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

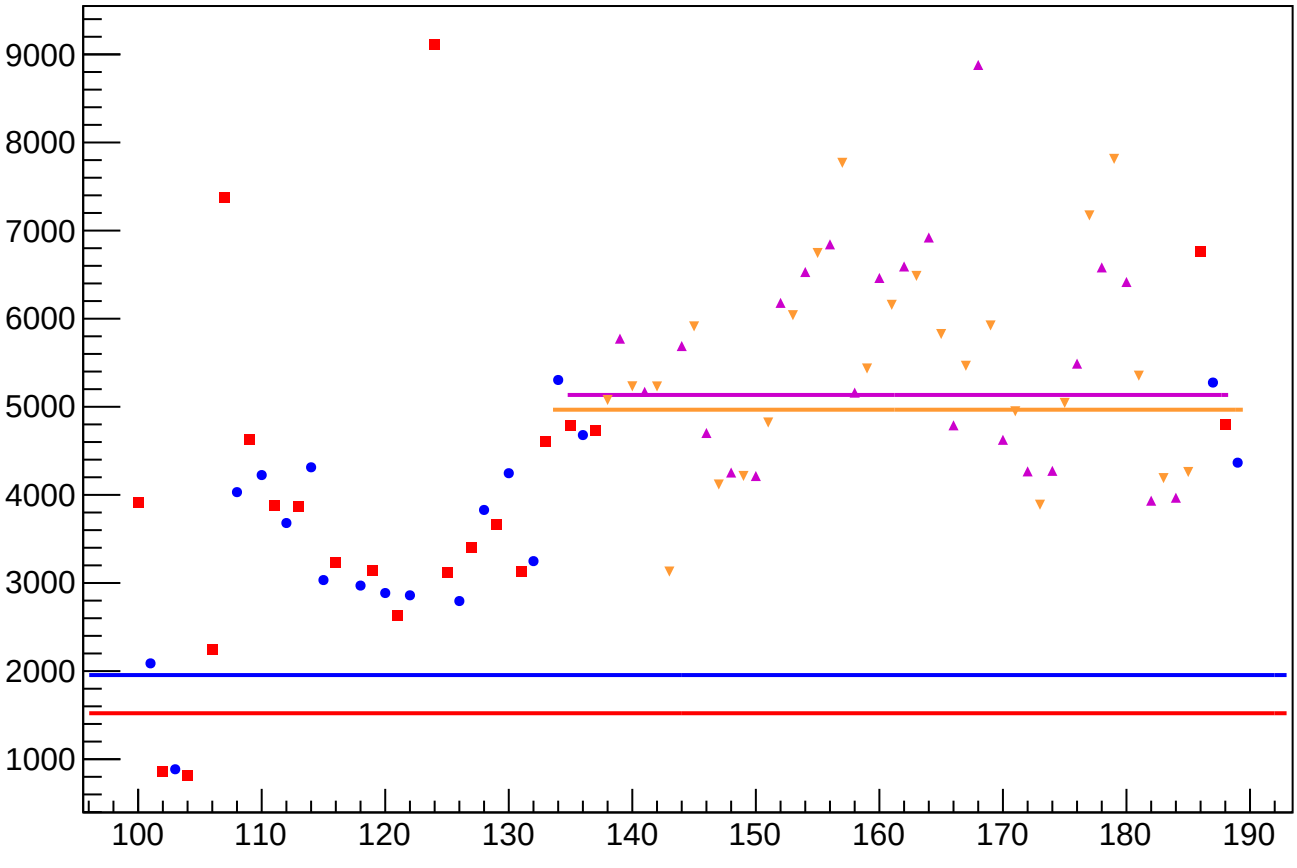
Right: 1727.233+/-0.303 χ^2/NDF: 394088.0/37

In: 1761.964+/-0.244 χ^2/NDF:261431.9/40

Out: 1784.394+/-0.243 χ^2/NDF:353566.1/43

All: 1773.205+/-0.172 χ^2/NDF: 619241.6/84


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -65.473+/-856.636 χ²/NDF: 15.8/17
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: 176.680+/-671.375 χ²/NDF: 28.0/20
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: 84.538+/-528.422 χ²/NDF: 43.8/38
In: -166.691+/-702.711 χ²/NDF:29.1/40
Out: -152.910+/-581.628 χ²/NDF:61.5/45
All: -158.513+/-448.060 χ²/NDF: 90.6/86



Right In: 1954.933+/-0.606 χ^2/NDF: 4907190.1/17

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1521.624+/-0.475 χ^2/NDF: 7381890.1/20

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

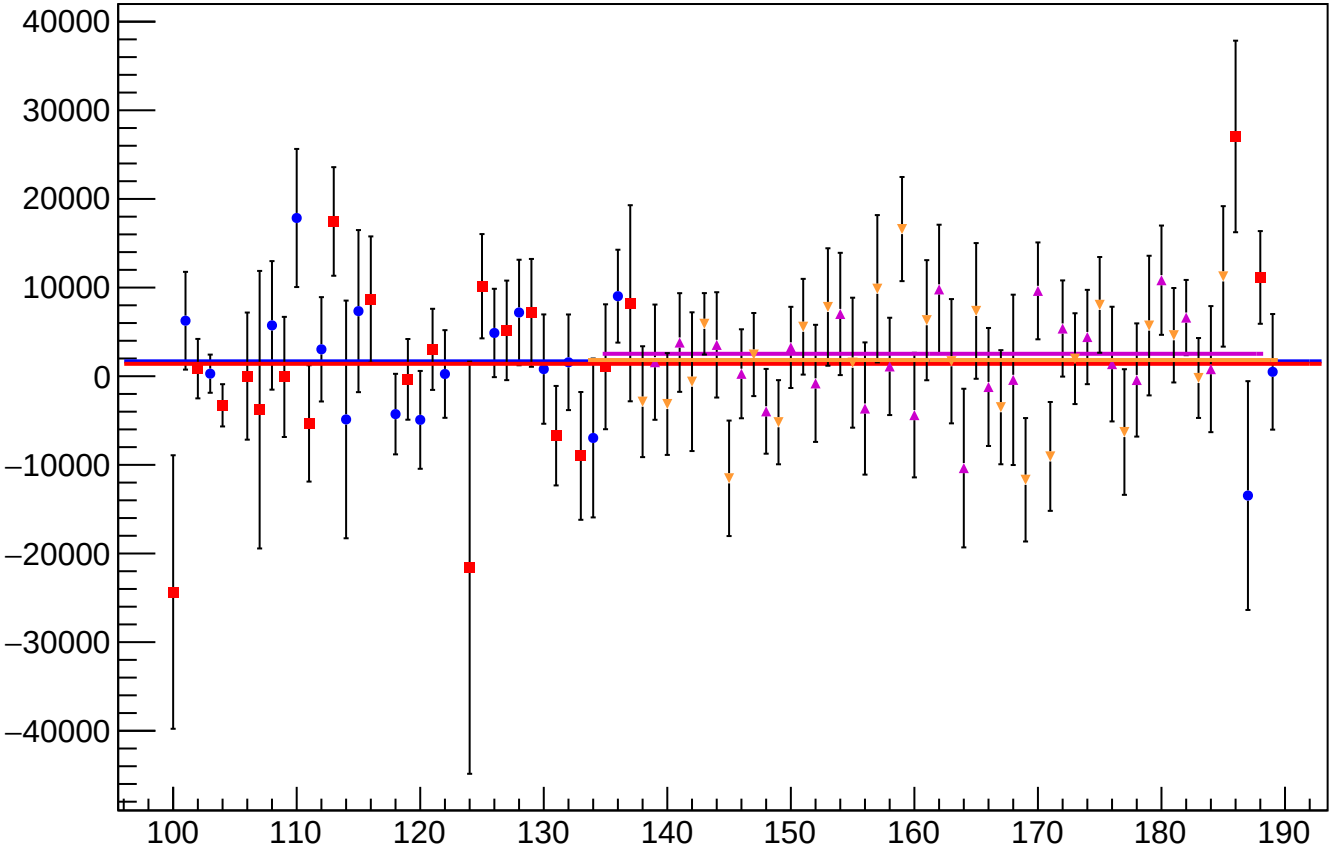
Right: 1686.503+/-0.374 χ^2/NDF: 12606084.4/38

In: 2994.905+/-0.497 χ^2/NDF:15406264.1/40

Out: 2381.159+/-0.411 χ^2/NDF:22439547.9/45

All: 2630.680+/-0.317 χ^2/NDF: 38751202.3/8

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1678.338+/-1230.718 χ^2/NDF: 15.2/17

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 1400.391+/-1200.454 χ^2/NDF: 34.3/20

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

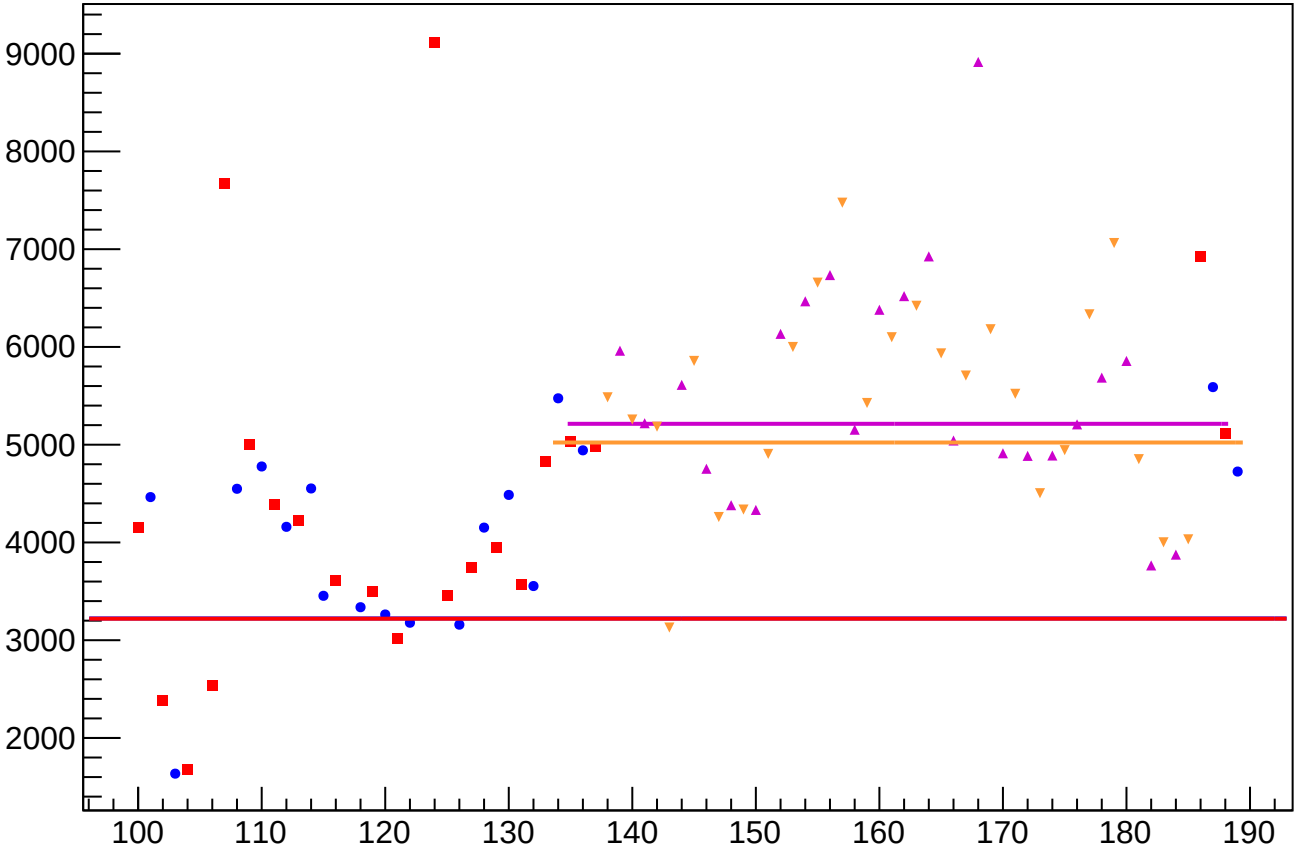
Right: 1535.905+/-859.349 χ^2/NDF: 49.6/38

In: 2100.023+/-874.224 χ^2/NDF:28.7/40

Out: 1618.315+/-838.783 χ^2/NDF:65.4/45

All: 1849.207+/-605.251 χ^2/NDF: 94.3/86

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3222.681+/-0.870 χ^2/NDF: 2064338.5/17

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3220.068+/-0.836 χ^2/NDF: 2410293.3/20

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

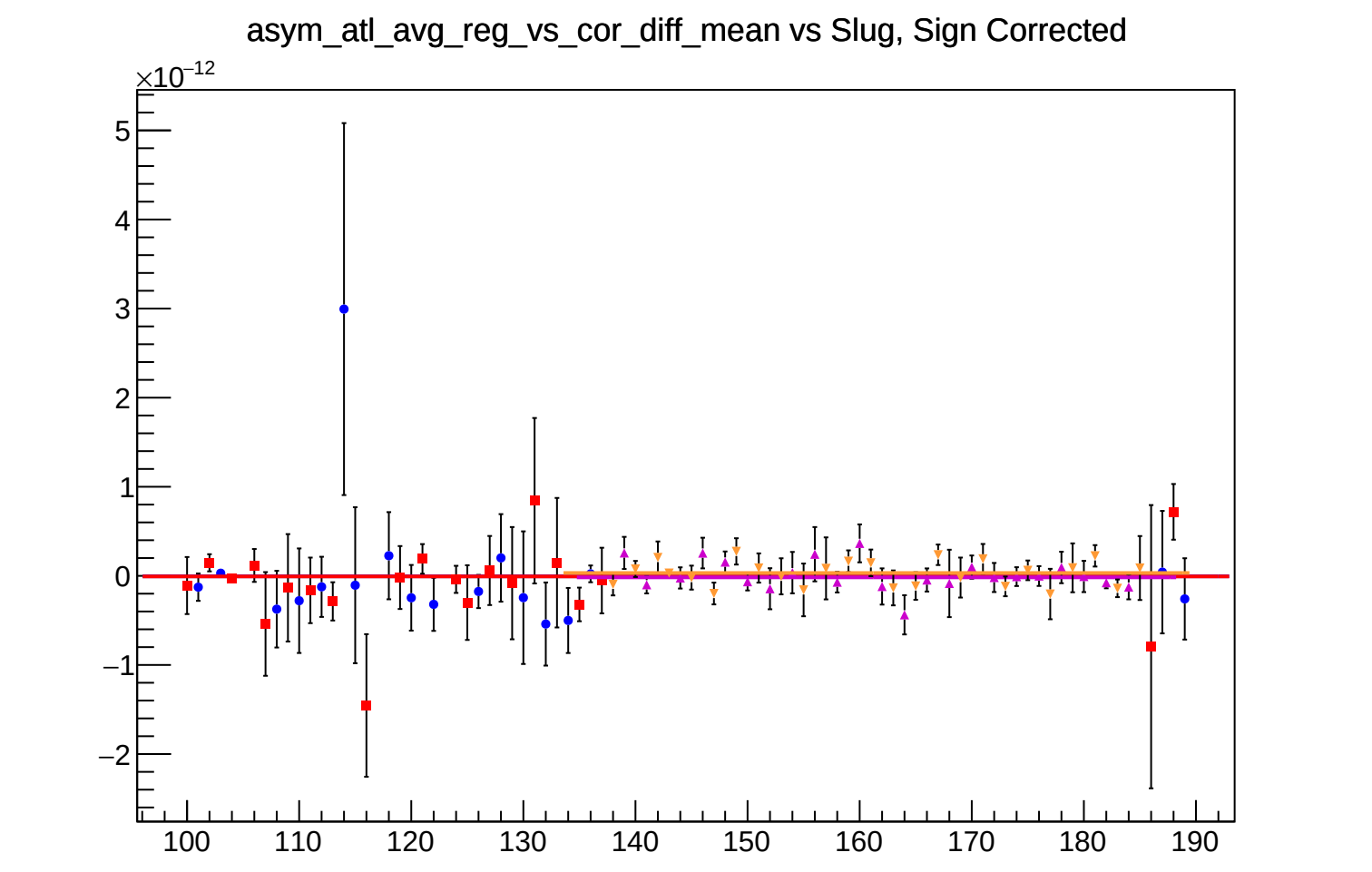
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3221.322+/-0.603 χ^2/NDF: 4474636.5/38

In: 4209.036+/-0.618 χ^2/NDF:5880556.2/40

Out: 4129.242+/-0.589 χ^2/NDF:6428914.8/45

All: 4167.201+/-0.426 χ^2/NDF: 12318206.5/8



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

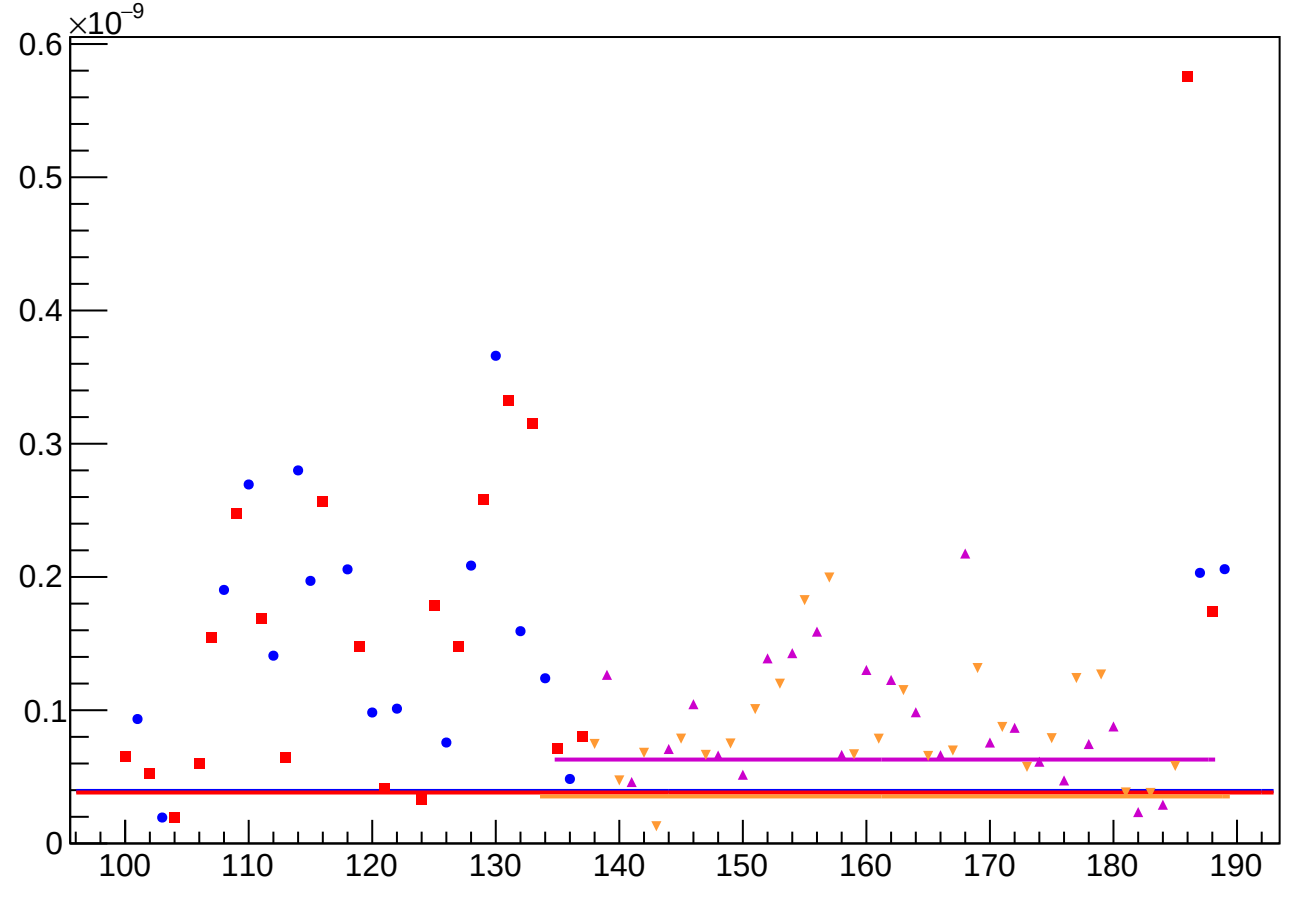
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 31.6/38

In: -0.000+/-0.000 χ^2/NDF:30.2/40

Out: 0.000+/-0.000 χ^2/NDF:46.6/45

All: 0.000+/-0.000 χ^2/NDF: 78.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 3270945.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3294520.9/20

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

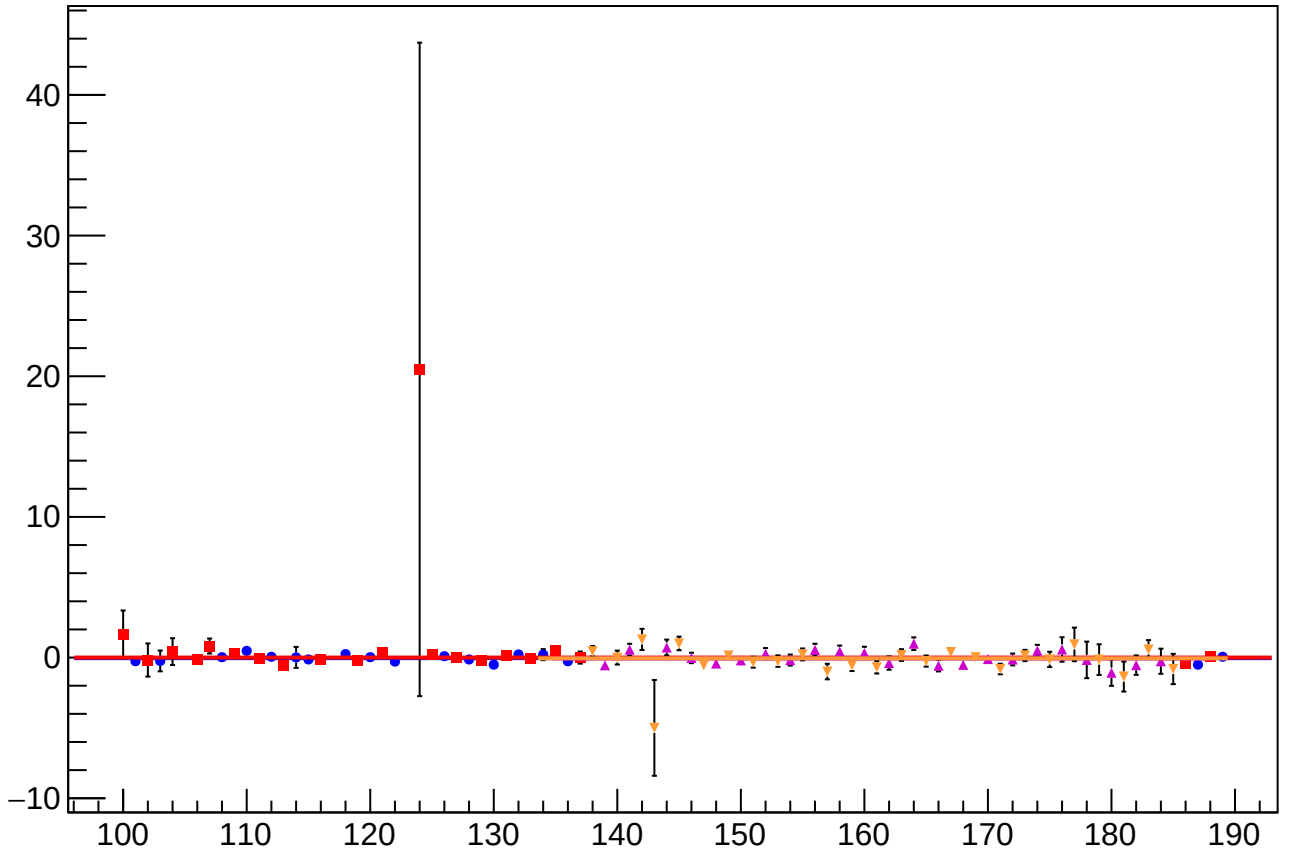
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 6566723.6/38

In: 0.000+/-0.000 χ^2/NDF:6786464.0/40

Out: 0.000+/-0.000 χ^2/NDF:9818255.7/45

All: 0.000+/-0.000 χ^2/NDF: 17468638.5/86



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

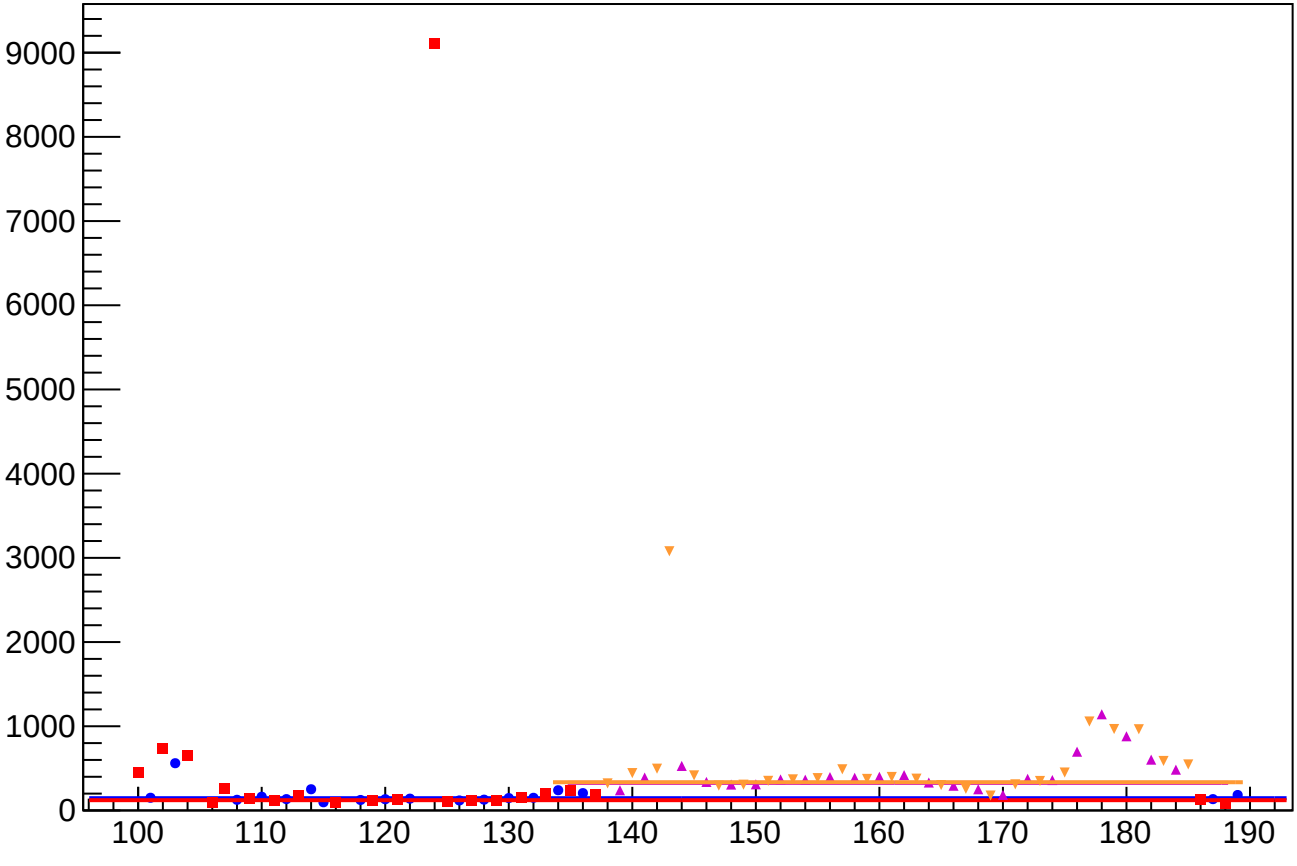
Right: -0.016+/-0.036 χ^2/NDF: 45.9/38

In: -0.047+/-0.046 χ^2/NDF:47.6/40

Out: -0.012+/-0.041 χ^2/NDF:59.5/45

All: -0.028+/-0.031 χ^2/NDF: 107.4/86

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.601+/-0.039 χ^2/NDF: 1170029.5/17

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 122.103+/-0.034 χ^2/NDF: 2563295.0/20

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

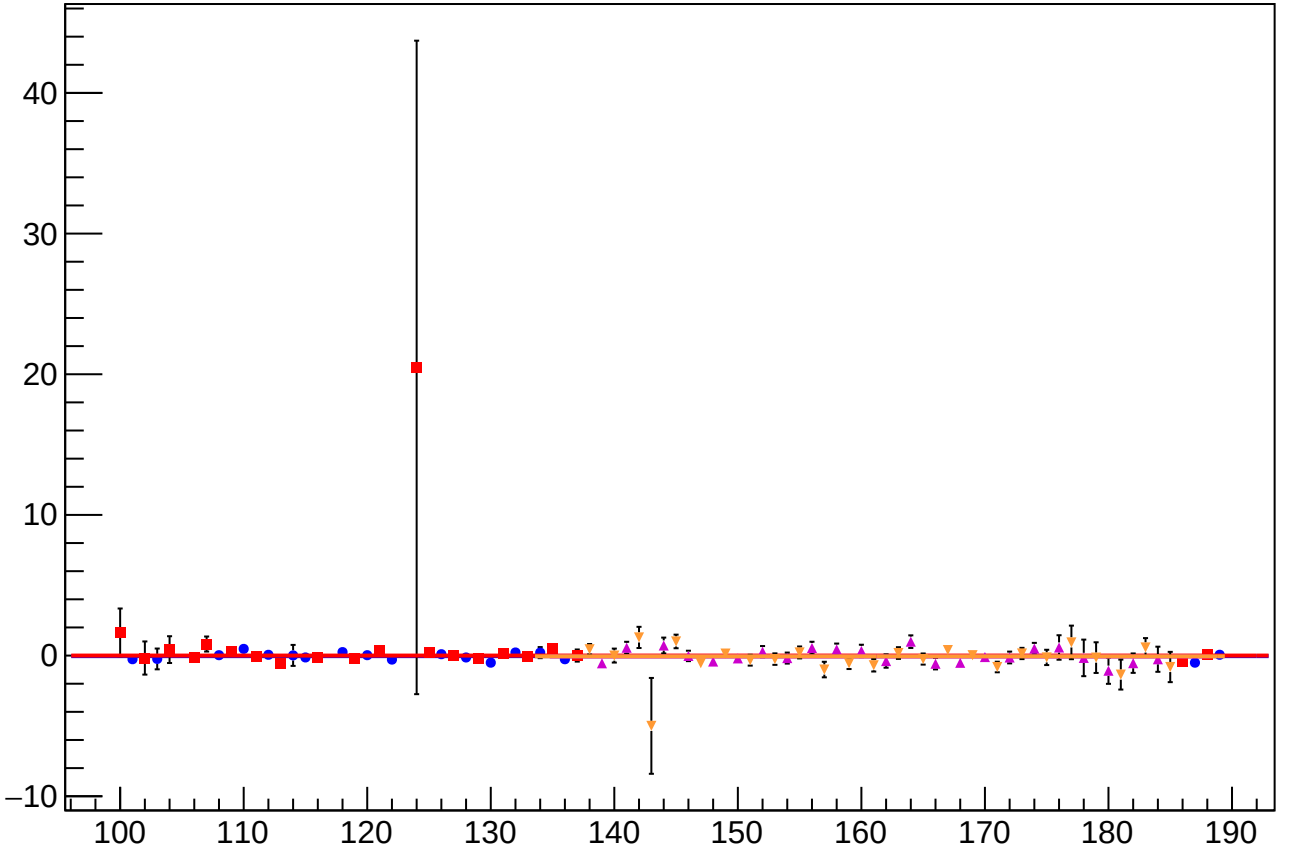
Right: 132.015+/-0.026 χ^2/NDF: 3938813.5/38

In: 202.409+/-0.033 χ^2/NDF:11977174.3/40

Out: 173.348+/-0.029 χ^2/NDF:18047507.9/45

All: 186.315+/-0.022 χ^2/NDF: 30462379.9/86

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

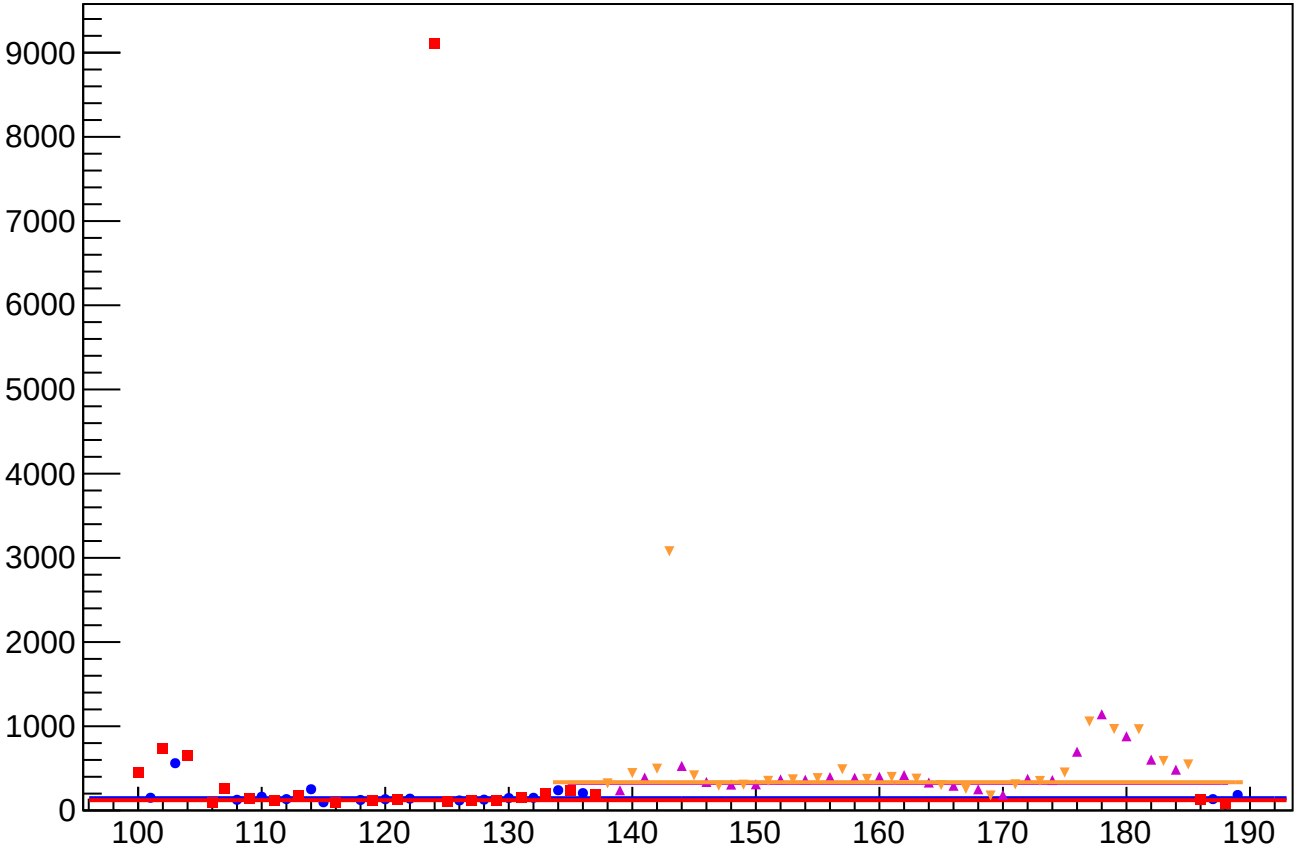
Right: -0.016+/-0.036 χ^2/NDF: 45.9/38

In: -0.047+/-0.046 χ^2/NDF:47.6/40

Out: -0.012+/-0.041 χ^2/NDF:59.5/45

All: -0.028+/-0.031 χ^2/NDF: 107.4/86

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.601+/-0.039 χ^2/NDF: 1170029.5/17

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 122.103+/-0.034 χ^2/NDF: 2563295.0/20

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

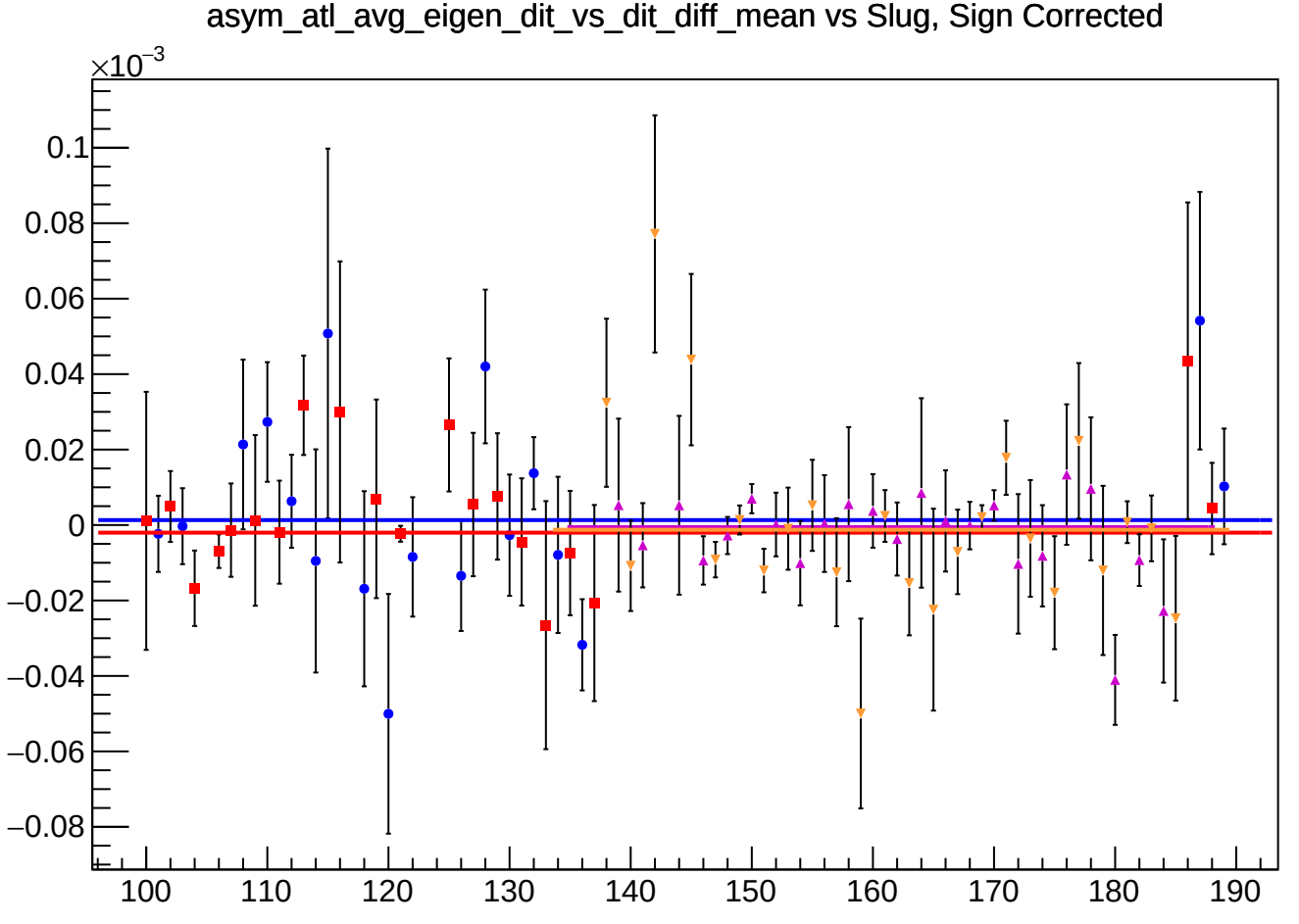
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 132.015+/-0.026 χ^2/NDF: 3938813.5/38

In: 202.409+/-0.033 χ^2/NDF:11977174.3/40

Out: 173.348+/-0.029 χ^2/NDF:18047507.9/45

All: 186.315+/-0.022 χ^2/NDF: 30462379.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

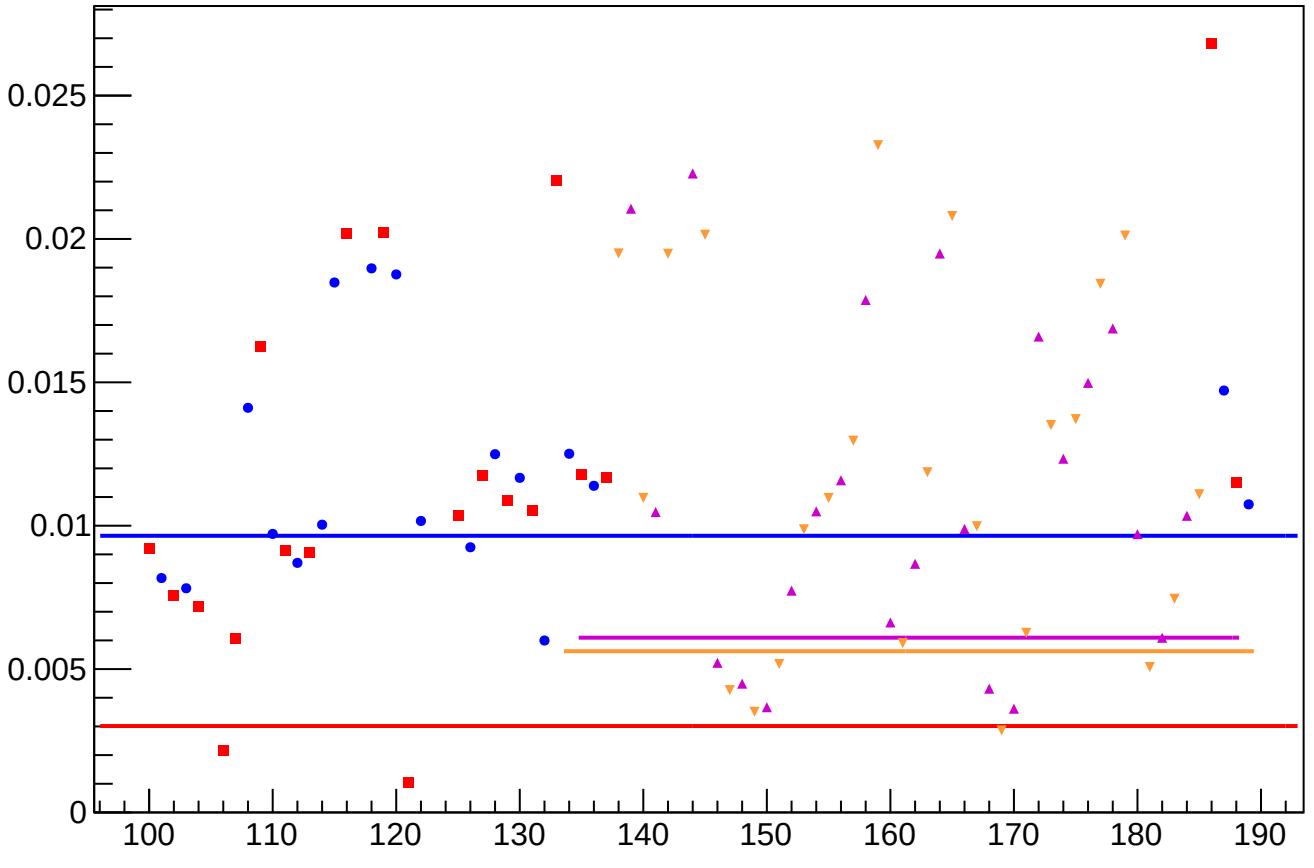
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 43.4/37

In: -0.000+/-0.000 χ^2/NDF:51.3/40

Out: -0.000+/-0.000 χ^2/NDF:52.9/43

All: -0.000+/-0.000 χ^2/NDF: 104.7/84



Right In: 0.010+/-0.000 χ^2/NDF: 1189464.0/17

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10223680.8/19

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

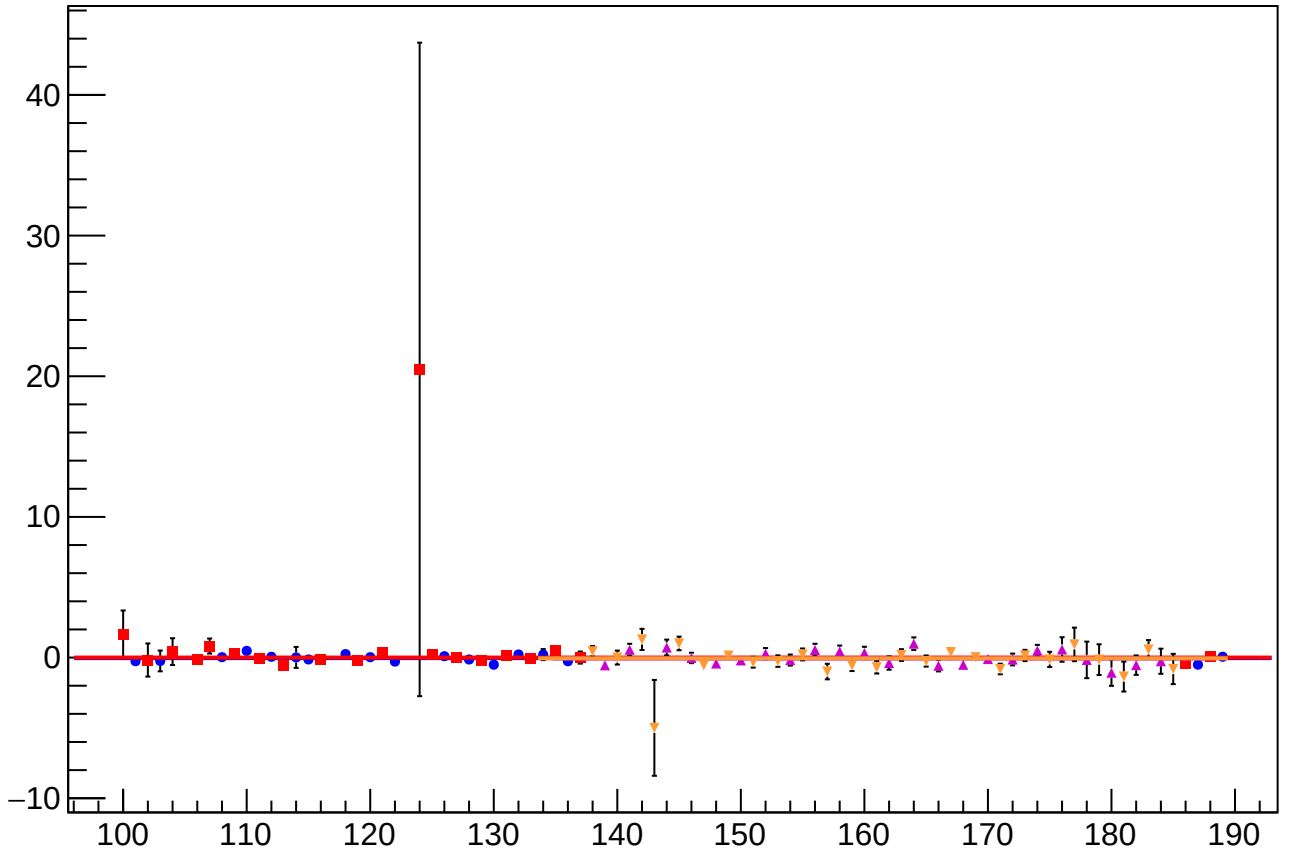
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.004+/-0.000 χ^2/NDF: 16922801.6/37

In: 0.007+/-0.000 χ^2/NDF:11559399.4/40

Out: 0.004+/-0.000 χ^2/NDF:23878372.0/43

All: 0.005+/-0.000 χ^2/NDF: 38392225.1/84



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

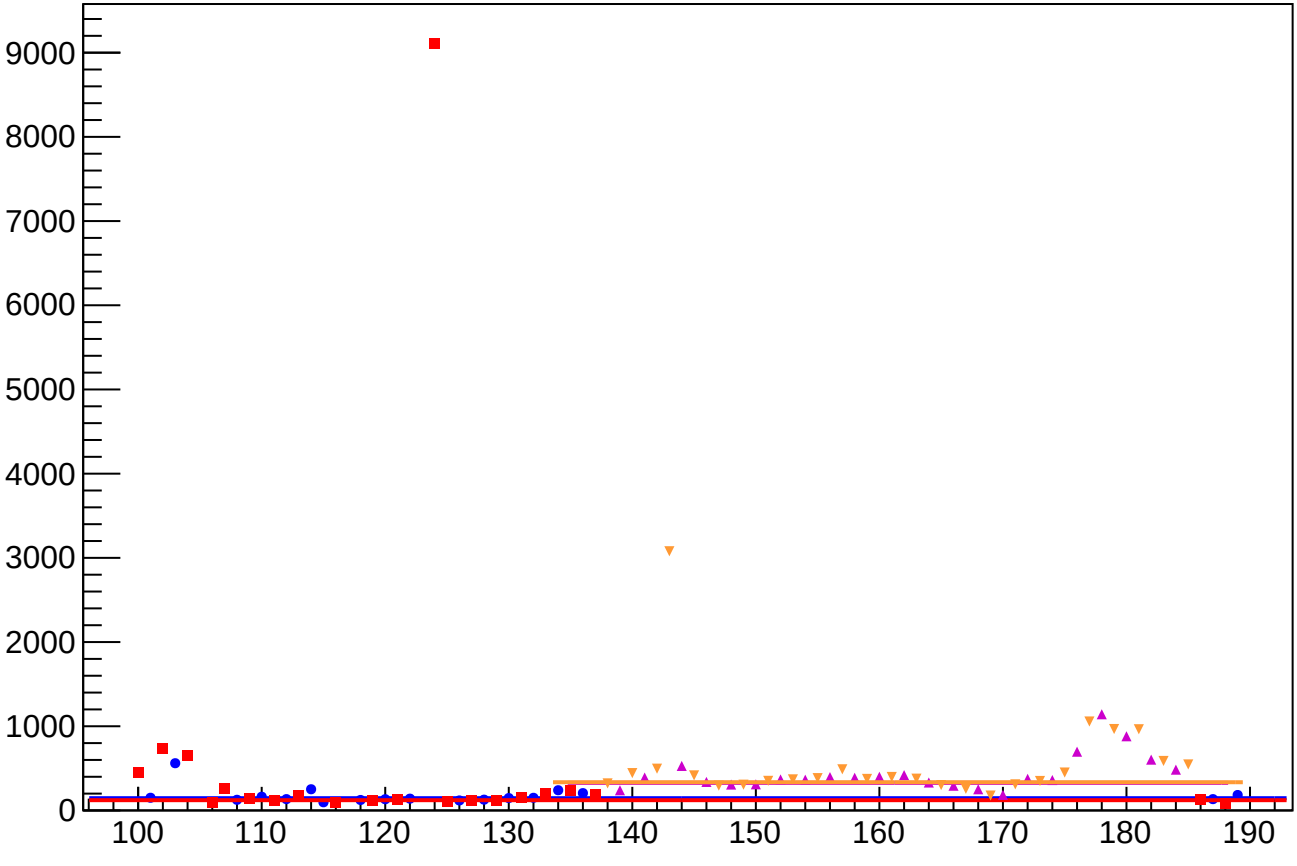
Right: -0.016+/-0.036 χ^2/NDF: 45.9/38

In: -0.047+/-0.046 χ^2/NDF:47.6/40

Out: -0.012+/-0.041 χ^2/NDF:59.5/45

All: -0.028+/-0.031 χ^2/NDF: 107.4/86

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.600+/-0.039 χ^2/NDF: 1170064.4/17

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 122.098+/-0.034 χ^2/NDF: 2563421.4/20

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

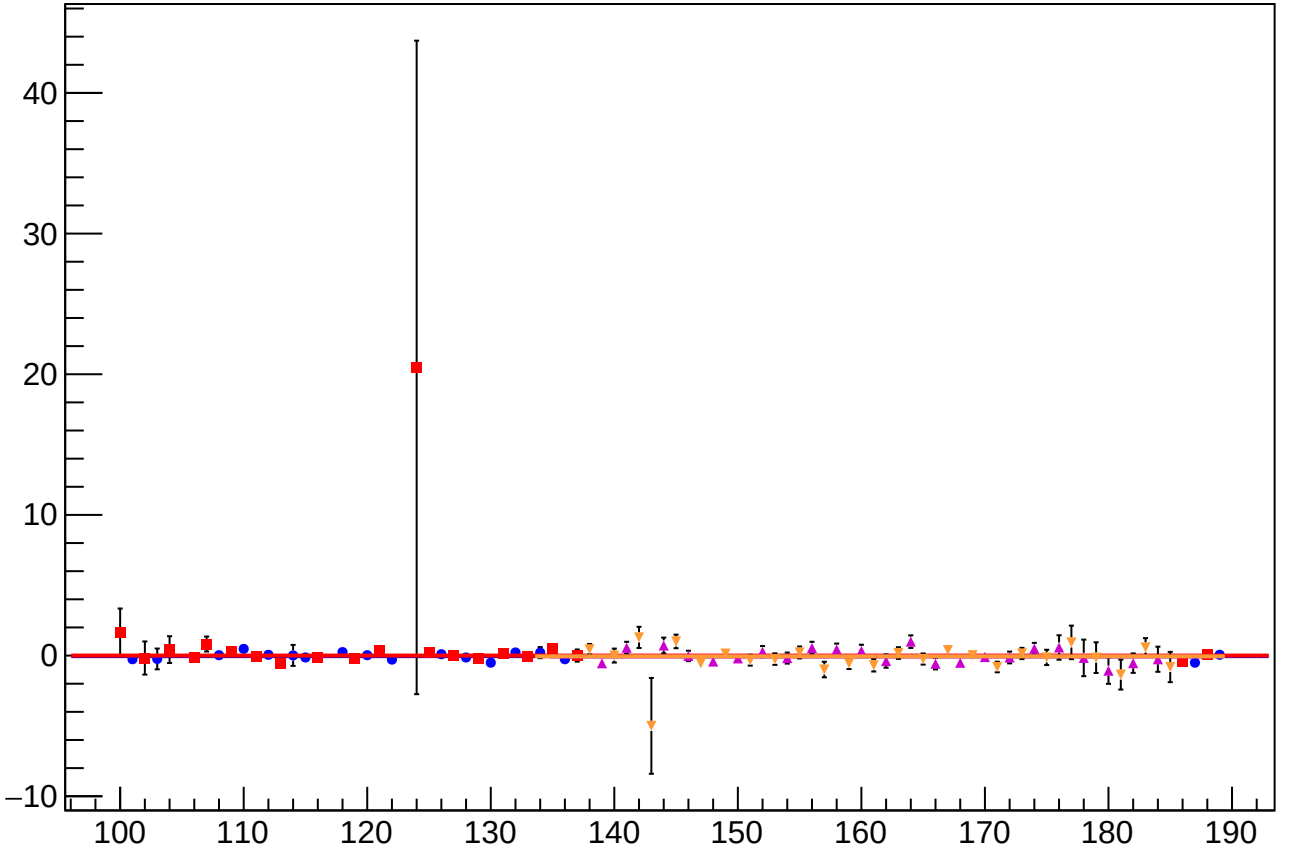
Right: 132.012+/-0.026 χ^2/NDF: 3939049.1/38

In: 202.408+/-0.033 χ^2/NDF:11977440.8/40

Out: 173.342+/-0.029 χ^2/NDF:18048373.1/45

All: 186.311+/-0.022 χ^2/NDF: 30463677.1/86

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.056 χ^2/NDF: 19.5/17

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

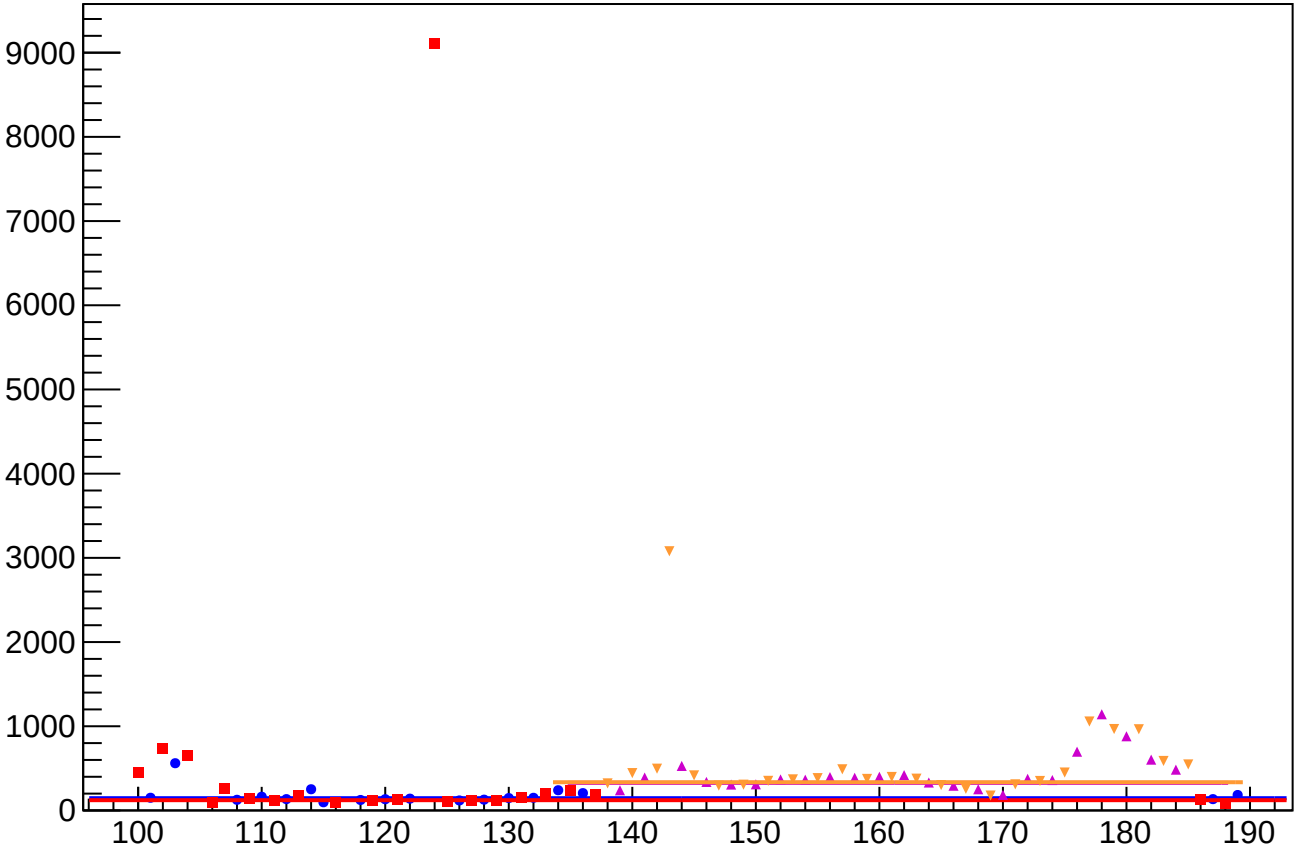
Right: -0.016+/-0.036 χ^2/NDF: 45.9/38

In: -0.047+/-0.046 χ^2/NDF:47.6/40

Out: -0.012+/-0.041 χ^2/NDF:59.5/45

All: -0.028+/-0.031 χ^2/NDF: 107.4/86

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.600+/-0.039 χ^2/NDF: 1170064.4/17

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 122.098+/-0.034 χ^2/NDF: 2563421.4/20

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

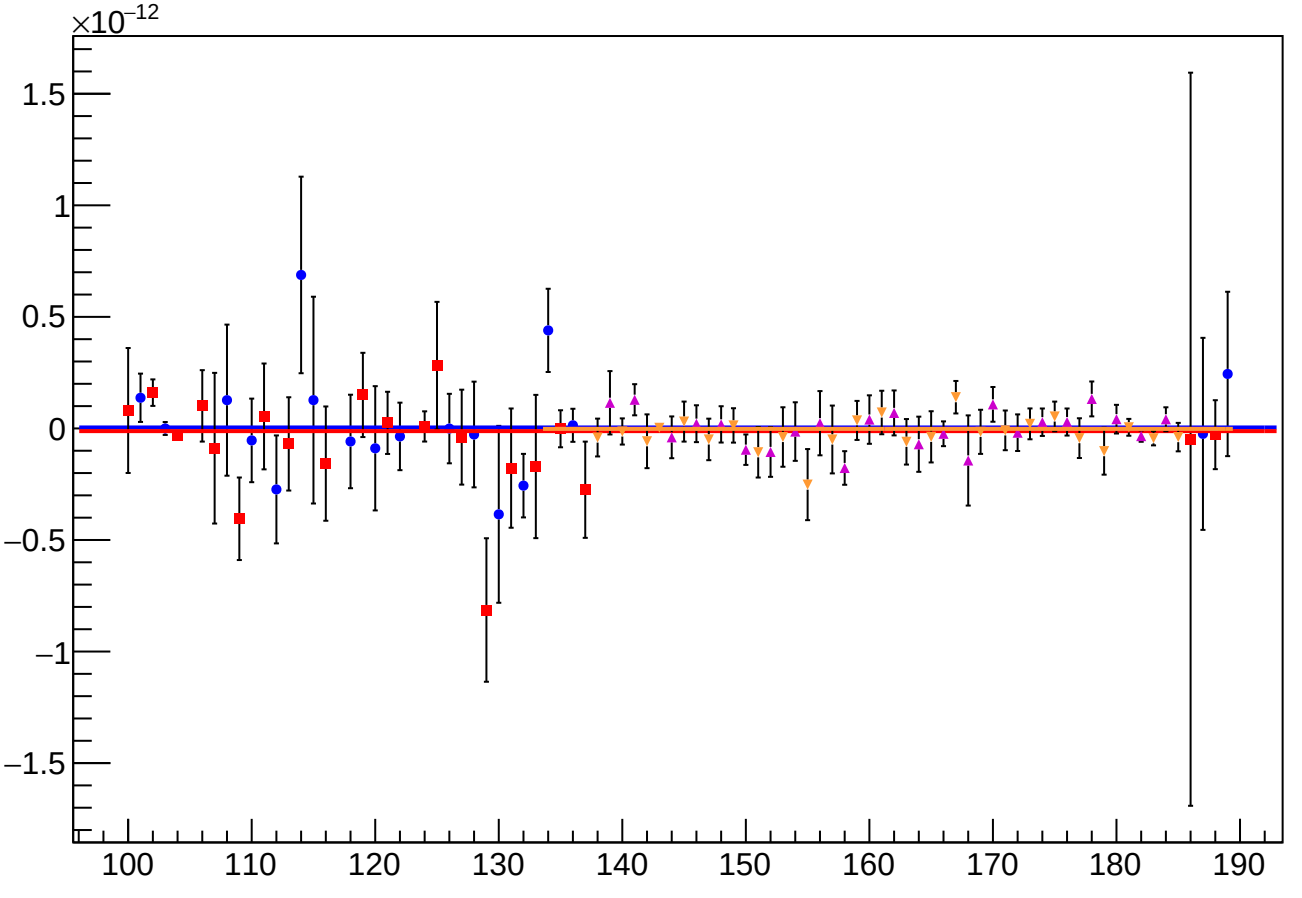
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 132.012+/-0.026 χ^2/NDF: 3939049.1/38

In: 202.408+/-0.033 χ^2/NDF:11977440.8/40

Out: 173.342+/-0.029 χ^2/NDF:18048373.1/45

All: 186.311+/-0.022 χ^2/NDF: 30463677.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/20

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

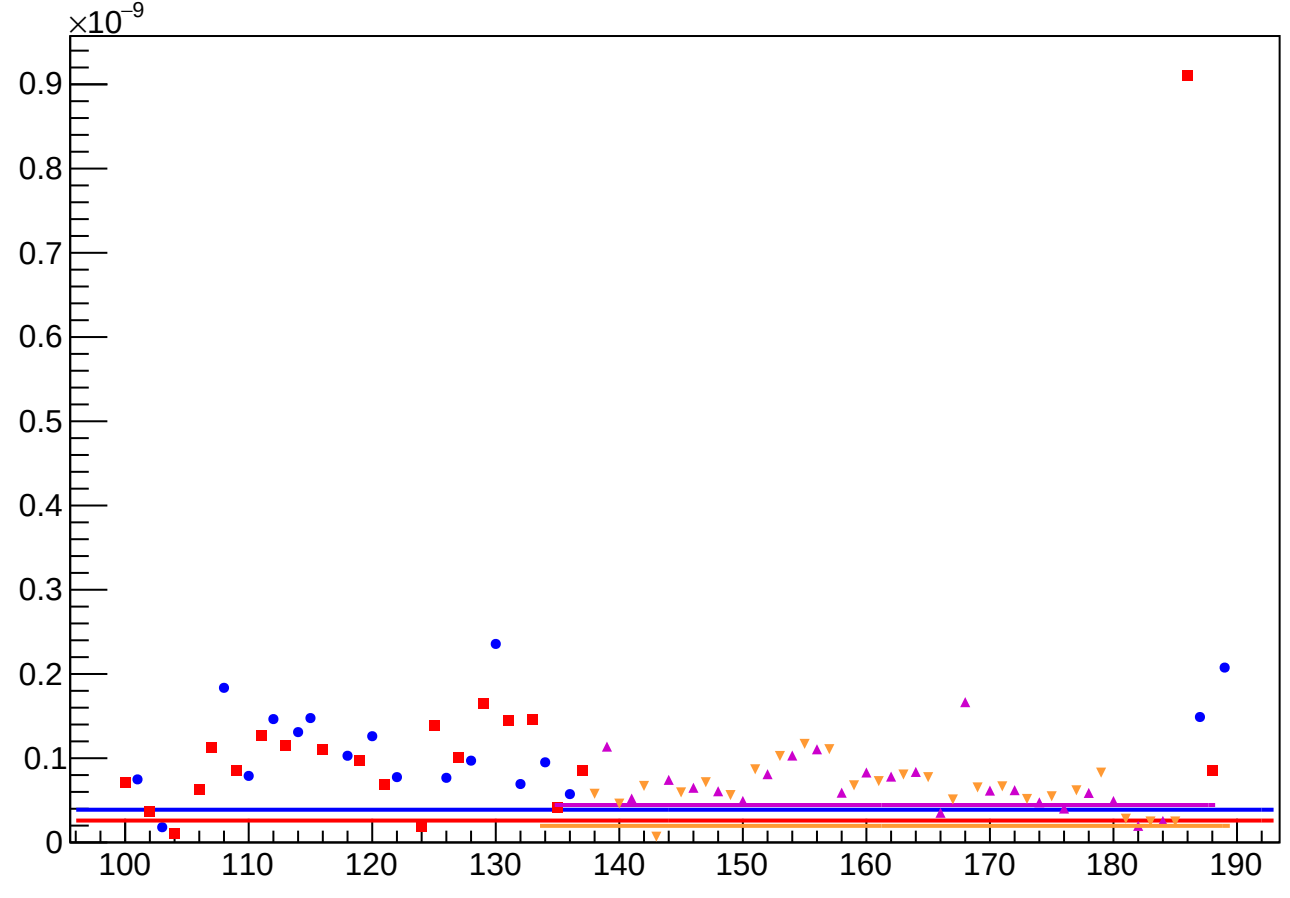
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 41.5/38

In: -0.000+/-0.000 χ^2/NDF:38.6/40

Out: -0.000+/-0.000 χ^2/NDF:39.0/45

All: -0.000+/-0.000 χ^2/NDF: 77.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 4497003.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5578289.8/20

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

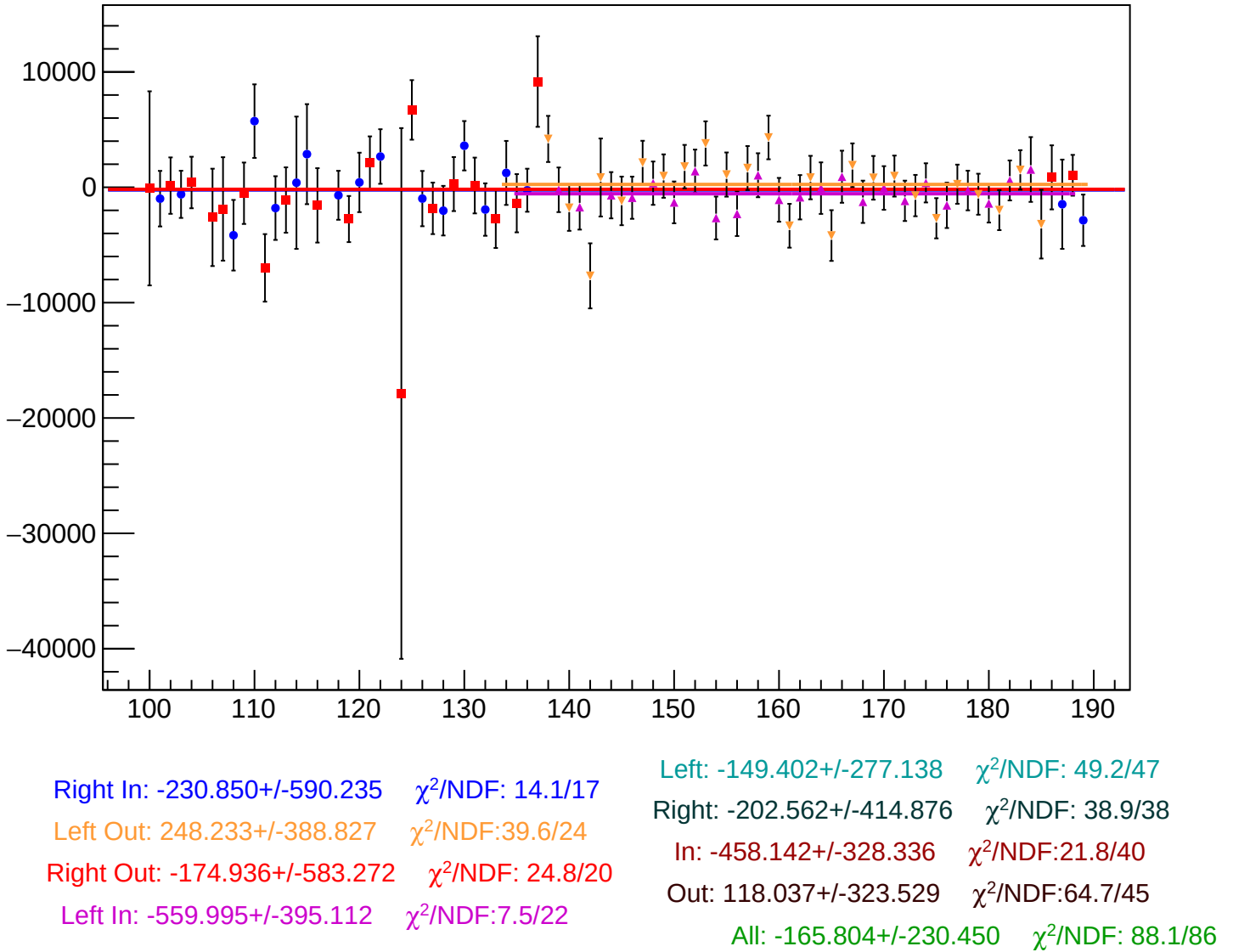
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10439455.8/38

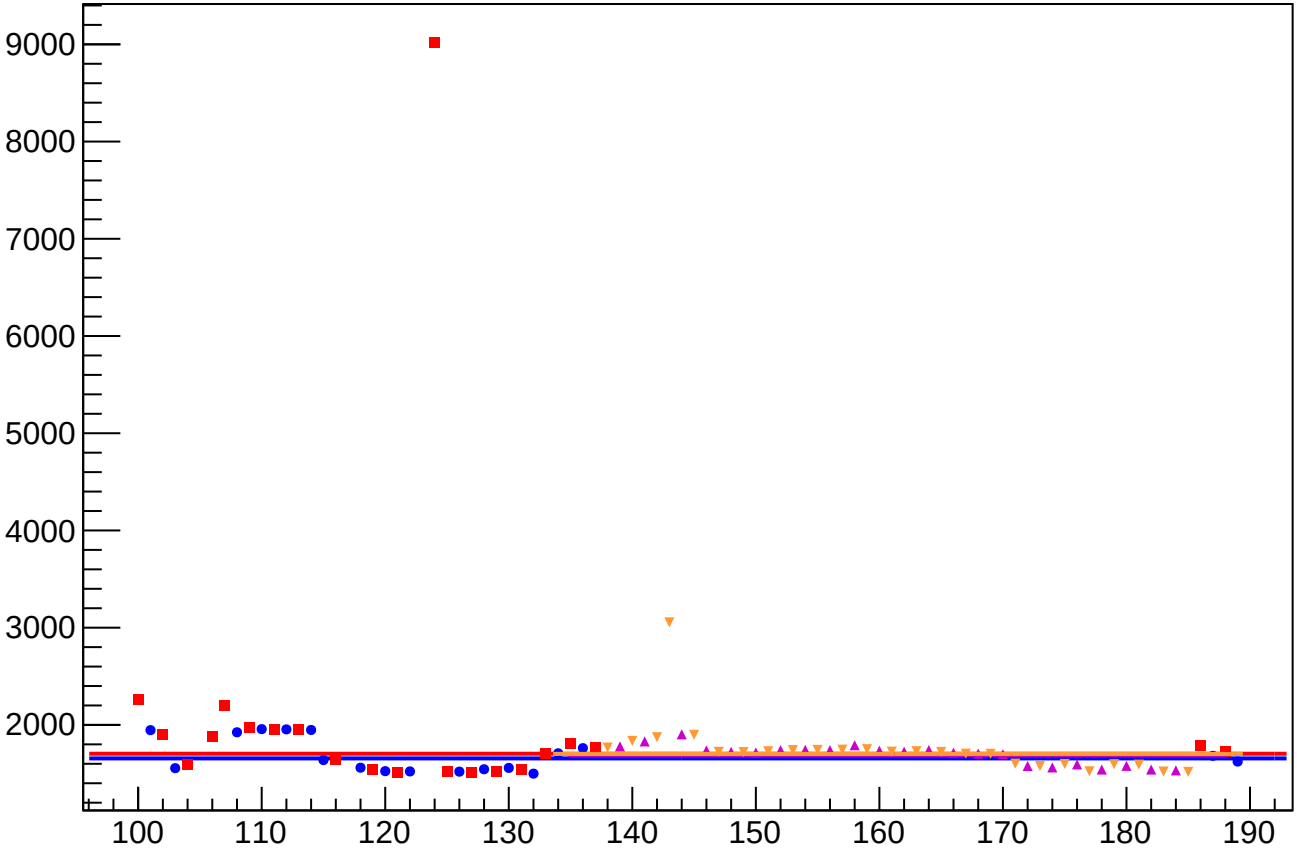
In: 0.000+/-0.000 χ^2/NDF:10498878.9/40

Out: 0.000+/-0.000 χ^2/NDF:20661389.8/45

All: 0.000+/-0.000 χ^2/NDF: 35972011.3/86


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -230.850+/-590.235 χ²/NDF: 14.1/17
Left Out: 248.233+/-388.827 χ²/NDF:39.6/24
Right Out: -174.936+/-583.272 χ²/NDF: 24.8/20
Left In: -559.995+/-395.112 χ²/NDF:7.5/22
Left: -149.402+/-277.138 χ²/NDF: 49.2/47
Right: -202.562+/-414.876 χ²/NDF: 38.9/38
In: -458.142+/-328.336 χ²/NDF:21.8/40
Out: 118.037+/-323.529 χ²/NDF:64.7/45
All: -165.804+/-230.450 χ²/NDF: 88.1/86

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1655.312+/-0.417 χ^2/NDF: 144512.2/17

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1703.504+/-0.411 χ^2/NDF: 388816.2/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

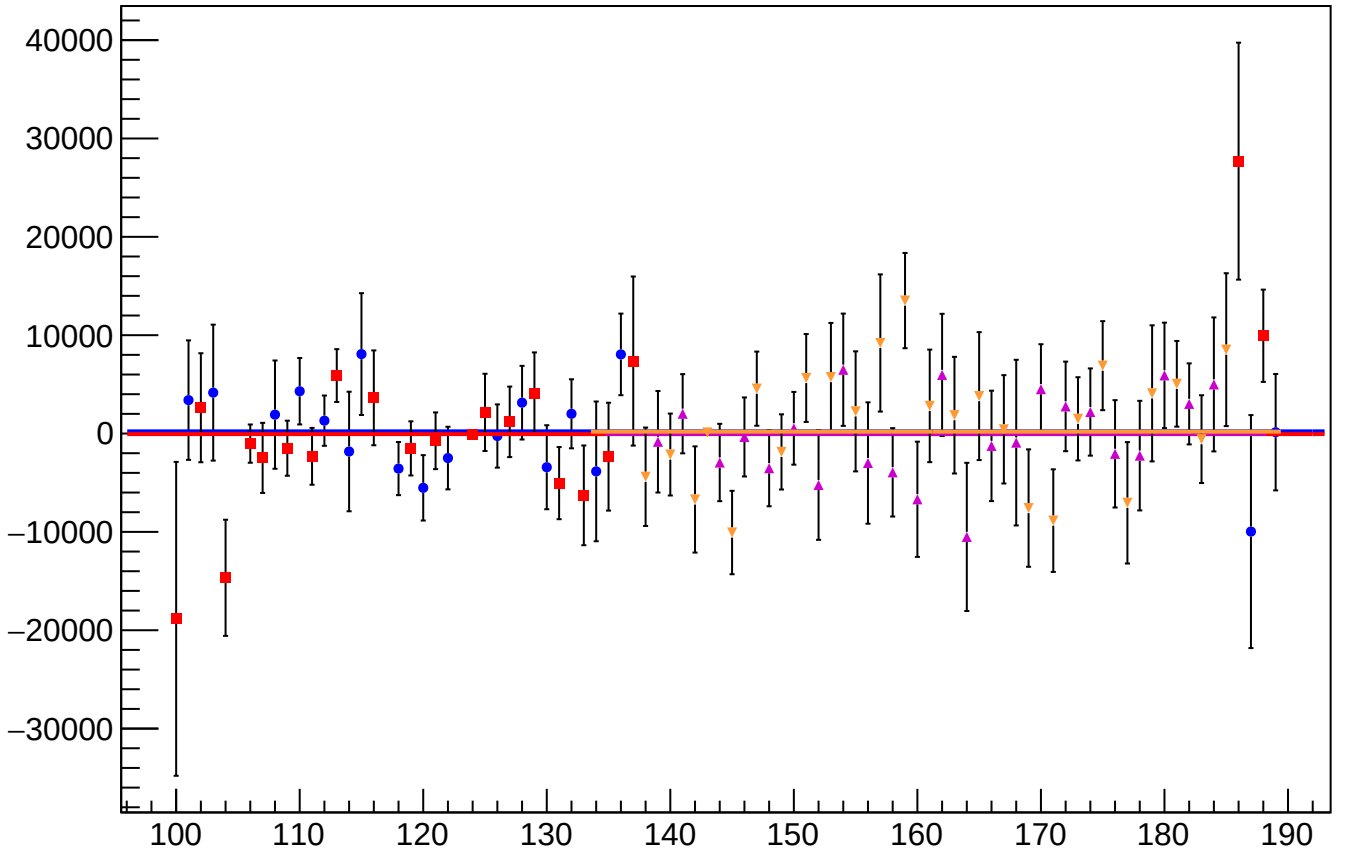
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1679.788+/-0.293 χ^2/NDF: 540100.1/38

In: 1678.754+/-0.232 χ^2/NDF:271398.6/40

Out: 1702.177+/-0.228 χ^2/NDF:841210.4/45

All: 1690.652+/-0.163 χ^2/NDF: 1117779.3/86



Right In: 219.970+/-945.613 χ^2/NDF: 16.0/17

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -57.904+/-322.830 χ^2/NDF: 30.7/20

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

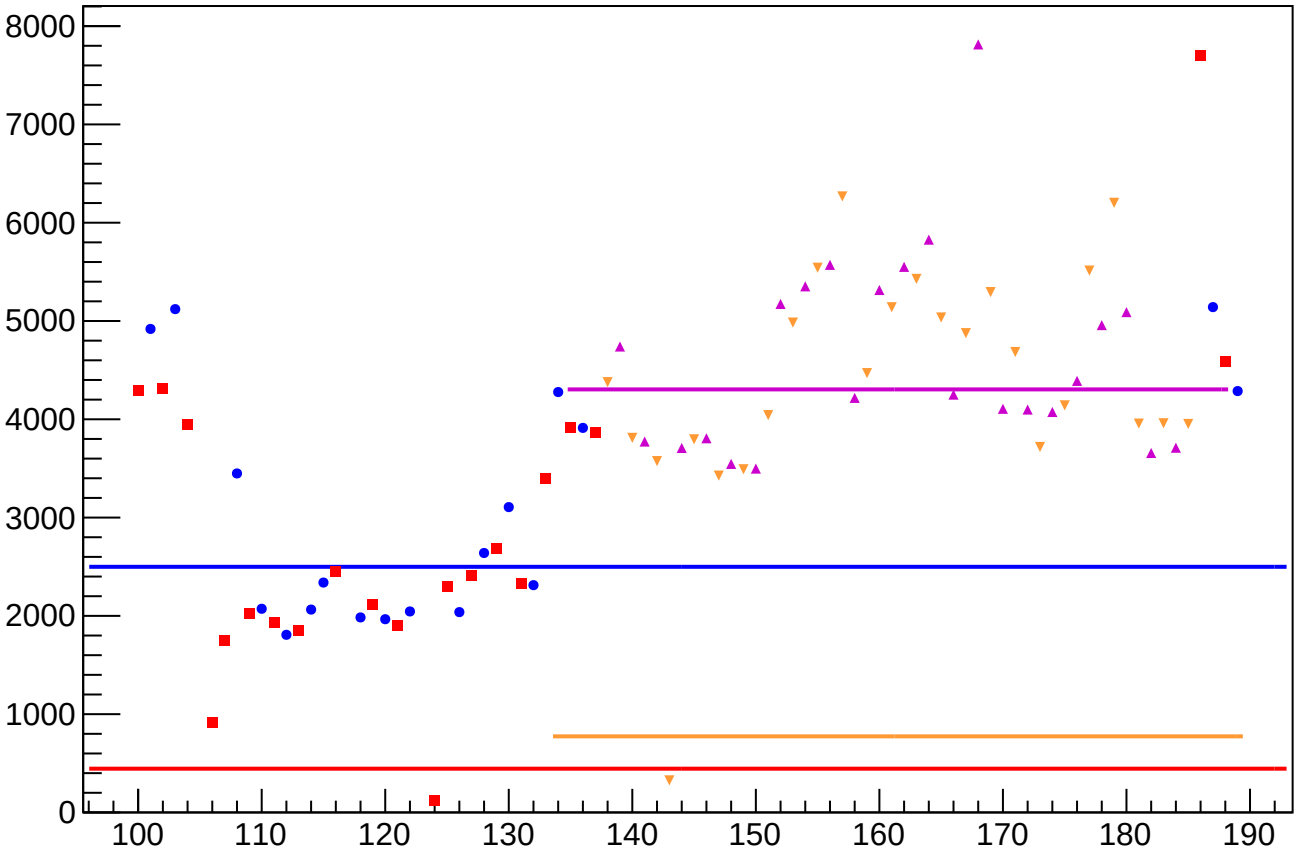
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: -28.898+/-305.516 χ^2/NDF: 46.8/38

In: 105.682+/-695.172 χ^2/NDF:29.3/40

Out: 60.143+/-235.125 χ^2/NDF:64.9/45

All: 64.817+/-222.730 χ^2/NDF: 94.2/86



Right In: 2499.150+/-0.669 χ^2/NDF: 1748848.2/17

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 445.272+/-0.228 χ^2/NDF: 13362920.9/20

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

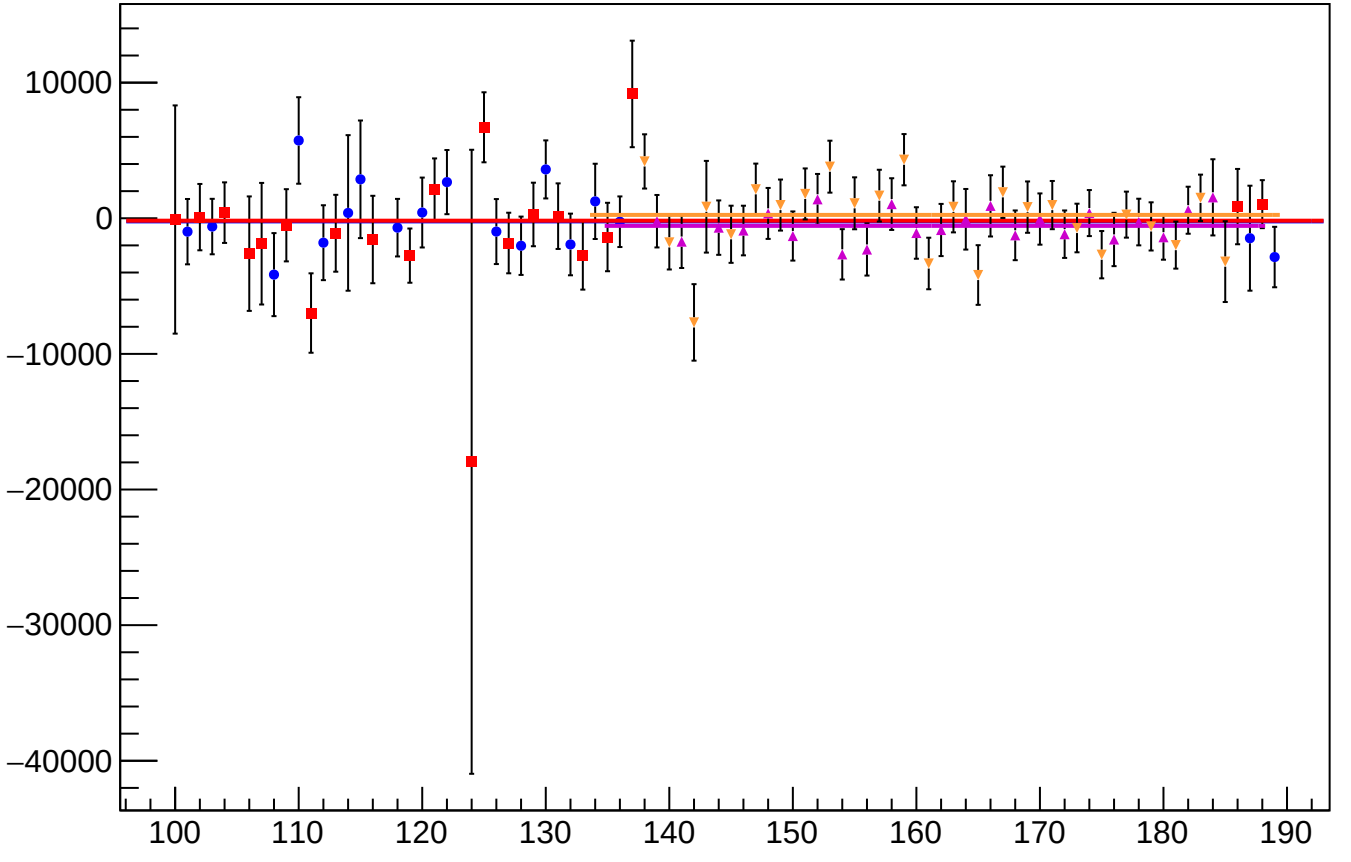
Right: 659.668+/-0.216 χ^2/NDF: 23562087.9/38

In: 3328.566+/-0.492 χ^2/NDF:6313680.1/40

Out: 599.733+/-0.166 χ^2/NDF:42423596.8/45

All: 879.857+/-0.157 χ^2/NDF: 76391346.2/86

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -230.948+/-590.235 χ^2/NDF: 14.1/17

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -178.554+/-583.277 χ^2/NDF: 24.8/20

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

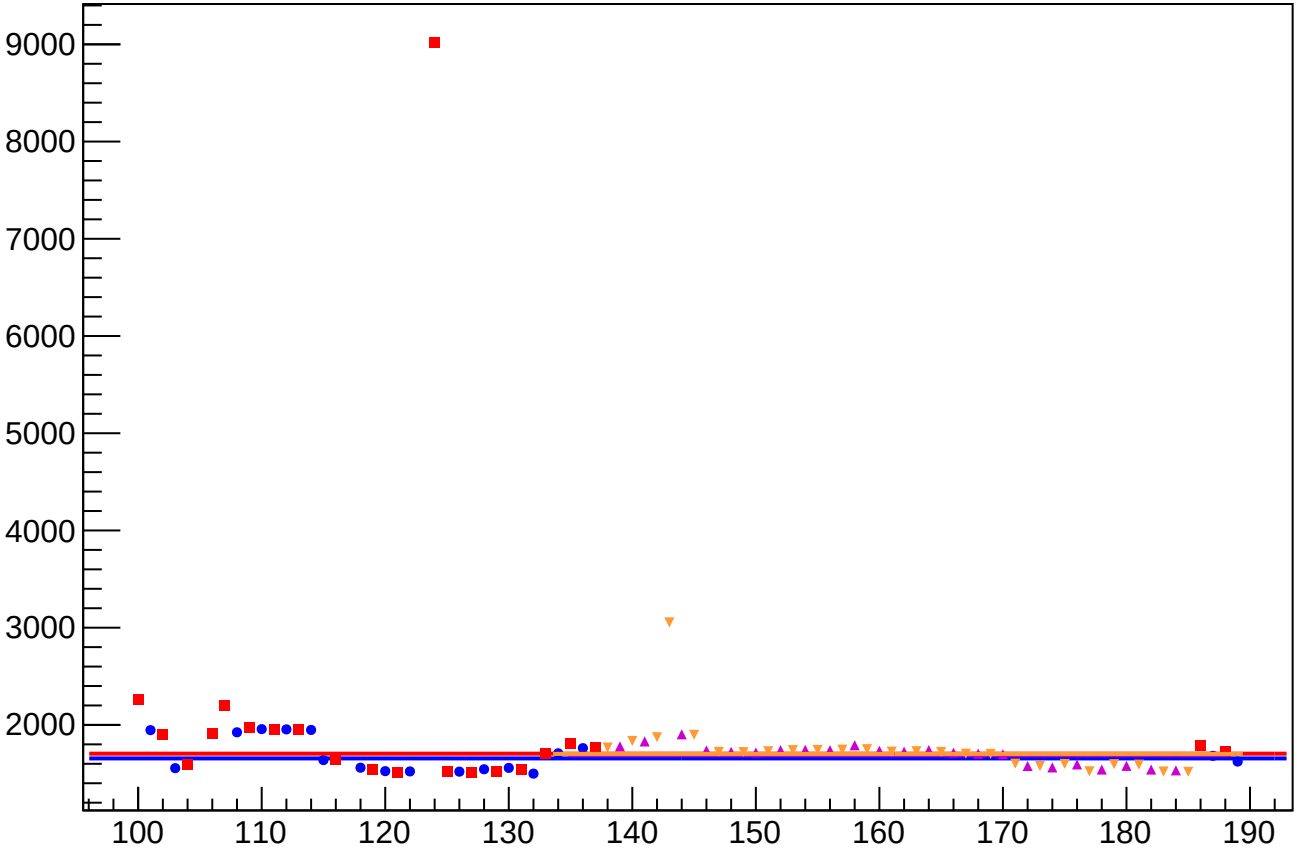
Right: -204.441+/-414.877 χ^2/NDF: 38.9/38

In: -458.148+/-328.336 χ^2/NDF:21.8/40

Out: 116.914+/-323.530 χ^2/NDF:64.7/45

All: -166.378+/-230.451 χ^2/NDF: 88.1/86

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1655.312+/-0.417 χ^2/NDF: 144512.3/17

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1704.184+/-0.411 χ^2/NDF: 390512.0/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

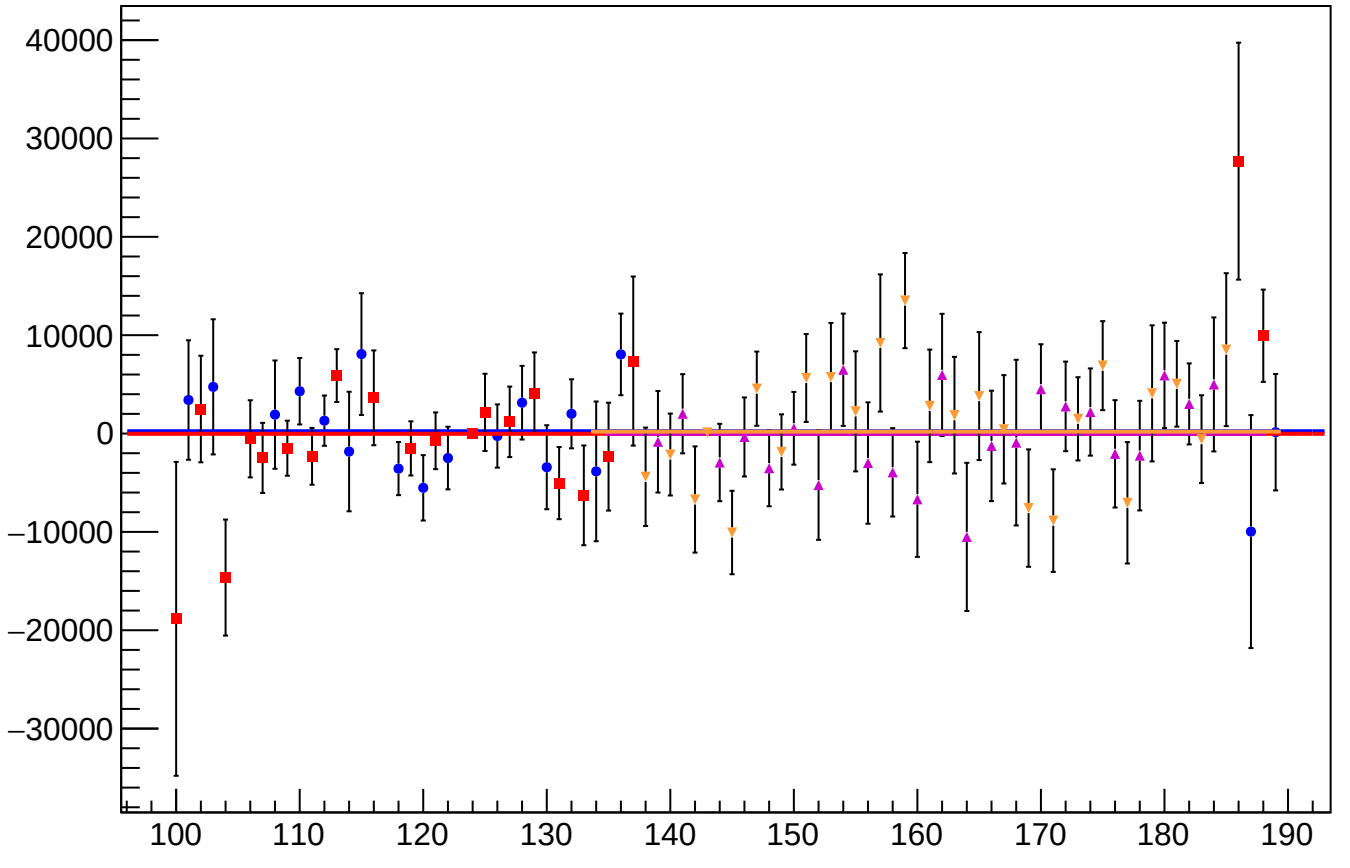
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1680.123+/-0.293 χ^2/NDF: 541985.4/38

In: 1678.754+/-0.232 χ^2/NDF:271398.6/40

Out: 1702.387+/-0.229 χ^2/NDF:842918.7/45

All: 1690.757+/-0.163 χ^2/NDF: 1119580.0/86



Right In: 232.160+/-945.500 χ^2/NDF: 16.1/17

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -28.002+/-314.936 χ^2/NDF: 30.5/20

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

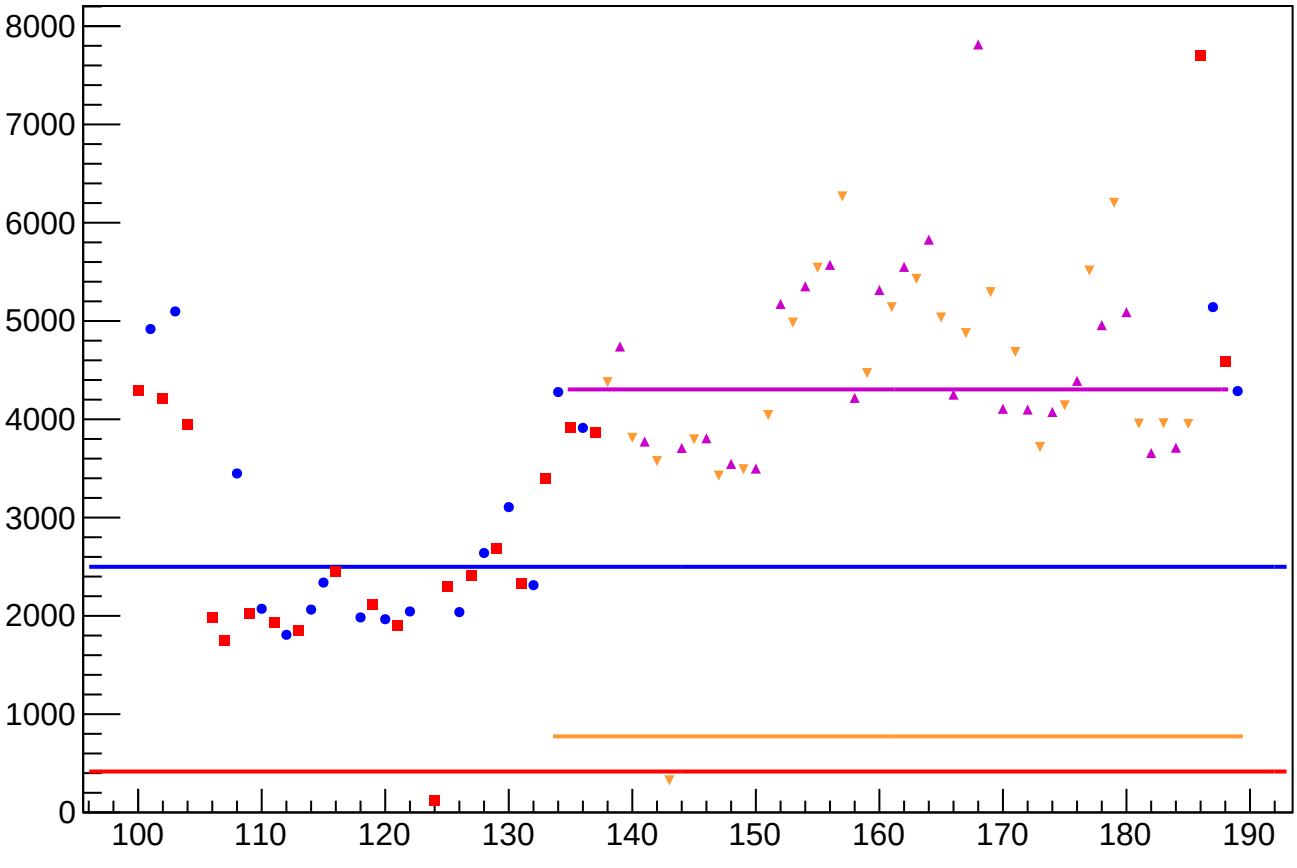
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -2.020+/-298.797 χ^2/NDF: 46.6/38

In: 112.268+/-695.127 χ^2/NDF:29.4/40

Out: 73.474+/-232.015 χ^2/NDF:64.6/45

All: 77.362+/-220.079 χ^2/NDF: 94.0/86



Right In: 2499.294+/-0.669 χ^2/NDF: 1747110.7/17

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 416.582+/-0.223 χ^2/NDF: 13733960.0/20

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

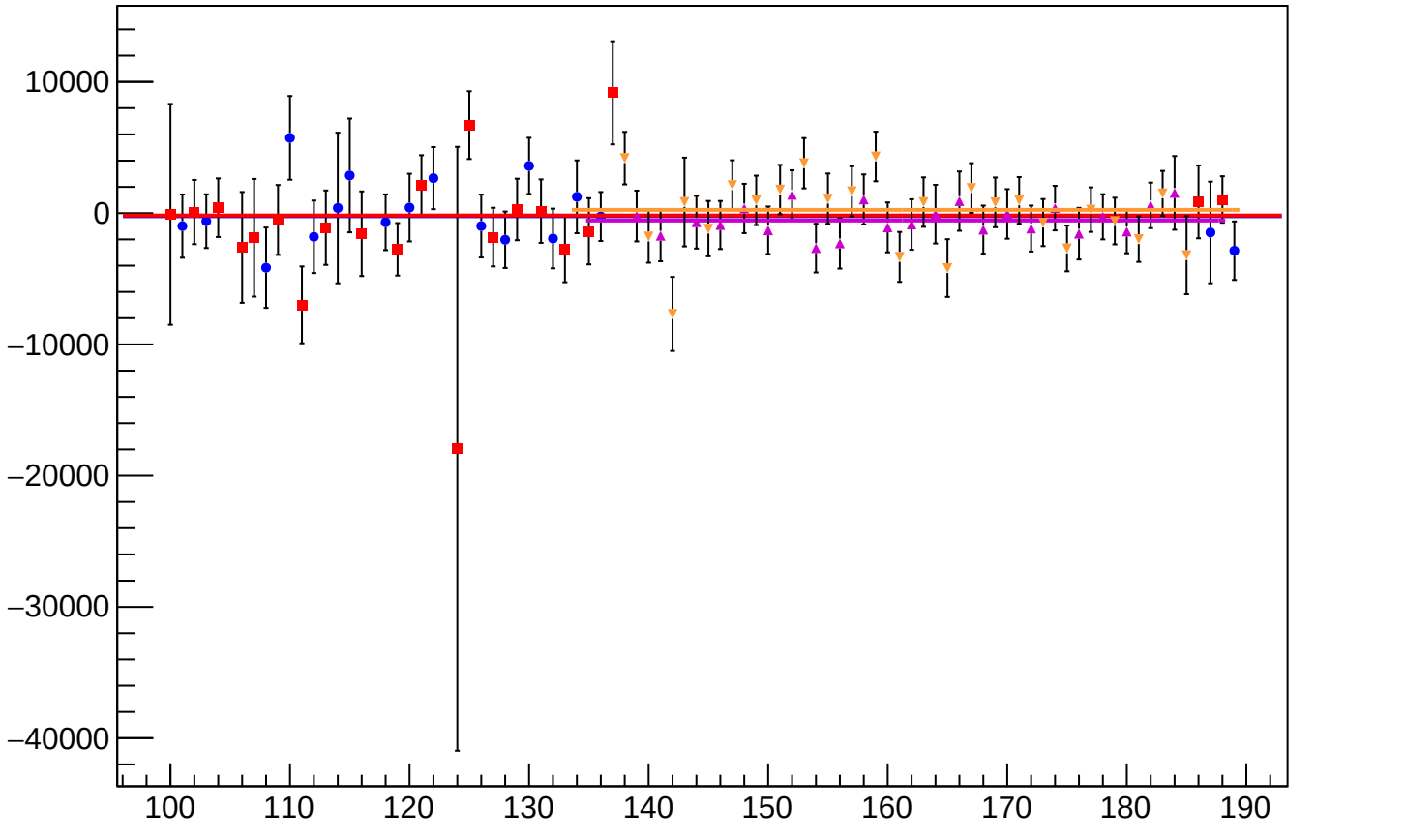
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 624.579+/-0.211 χ^2/NDF: 24216236.0/38

In: 3328.536+/-0.492 χ^2/NDF:6311751.8/40

Out: 580.083+/-0.164 χ^2/NDF:42999256.3/45

All: 855.581+/-0.156 χ^2/NDF: 77443343.8/86



Right In: -230.948+/-590.235 χ^2/NDF: 14.1/17

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -178.554+/-583.277 χ^2/NDF: 24.8/20

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

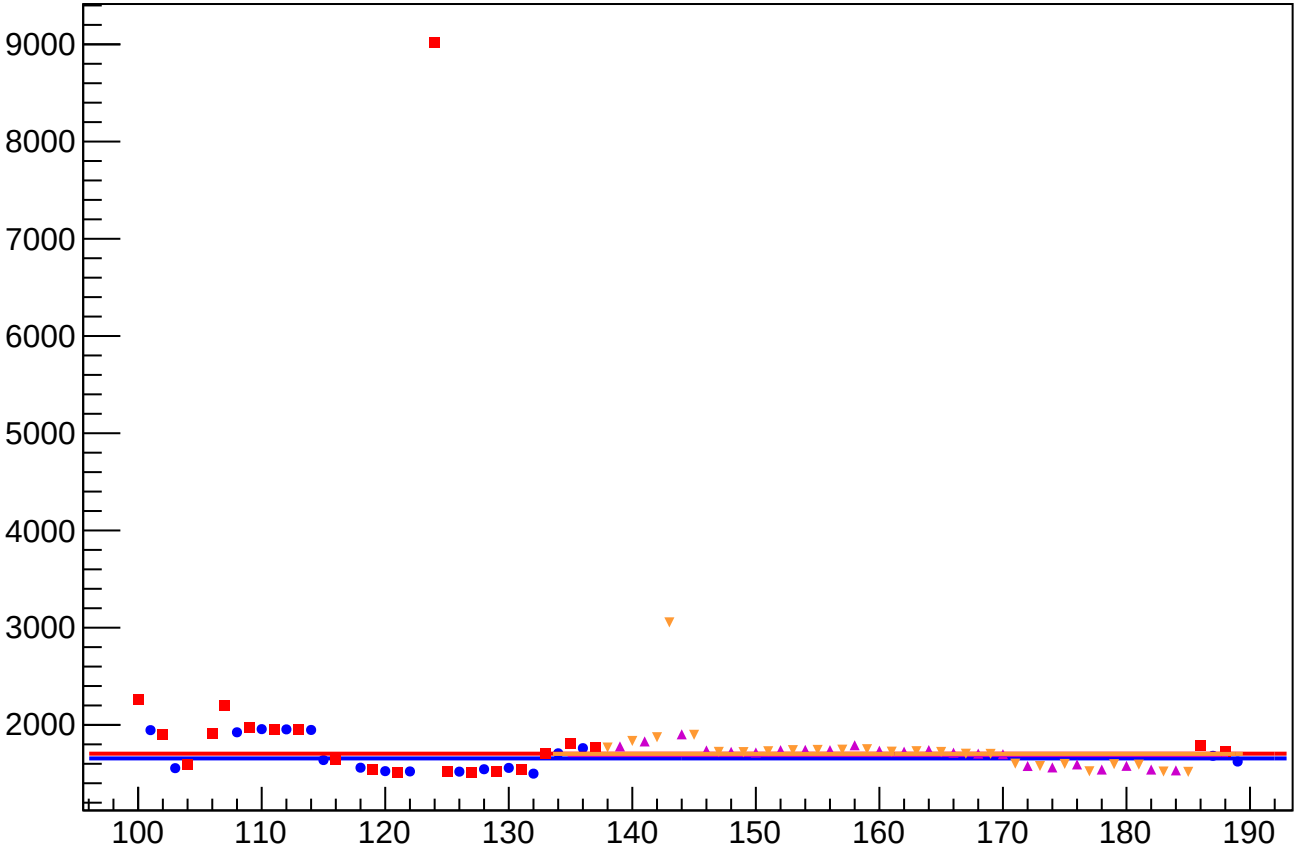
Right: -204.441+/-414.877 χ^2/NDF: 38.9/38

In: -458.148+/-328.336 χ^2/NDF:21.8/40

Out: 116.914+/-323.530 χ^2/NDF:64.7/45

All: -166.378+/-230.451 χ^2/NDF: 88.1/86

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1655.312+/-0.417 χ^2/NDF: 144512.3/17

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1704.184+/-0.411 χ^2/NDF: 390512.0/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

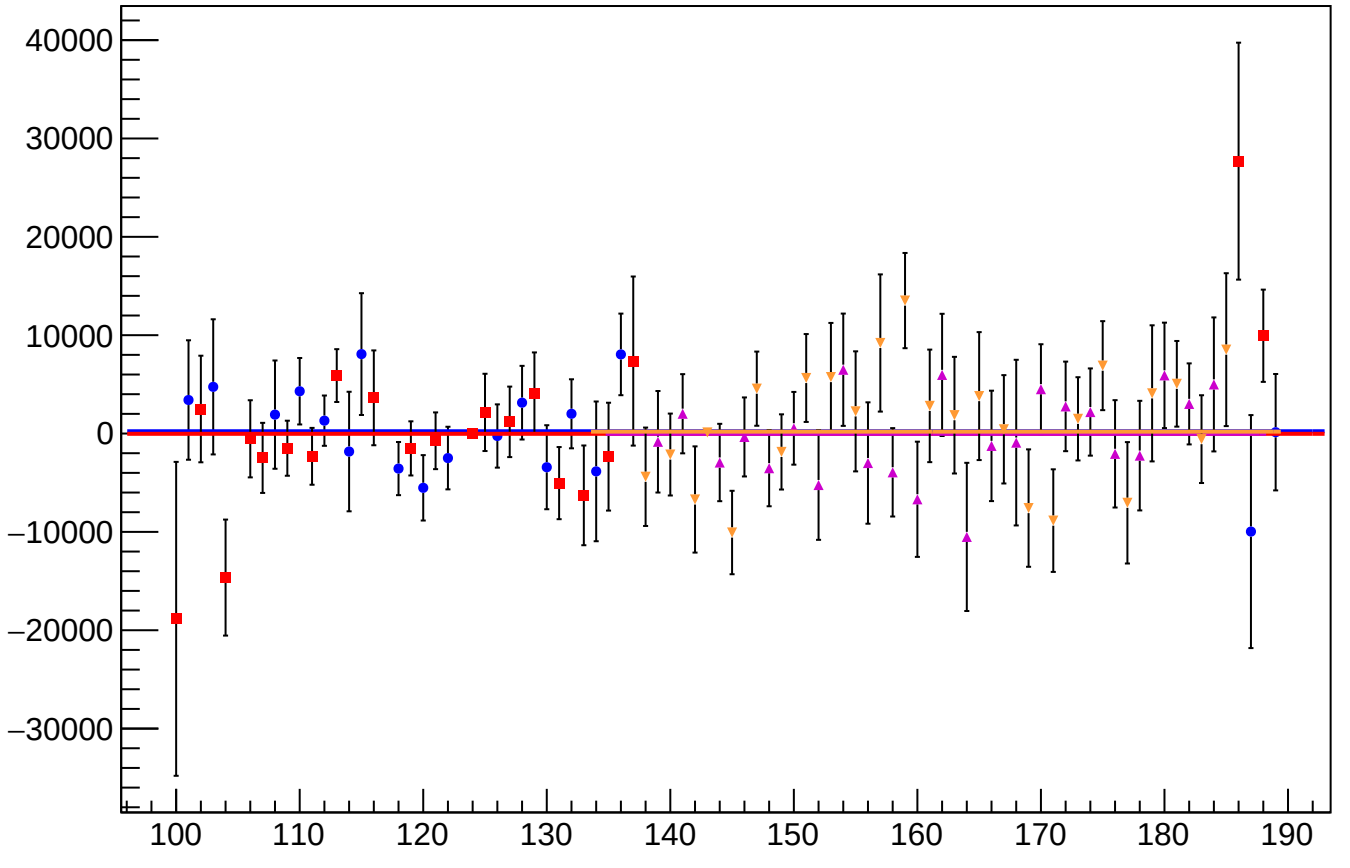
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1680.123+/-0.293 χ^2/NDF: 541985.4/38

In: 1678.754+/-0.232 χ^2/NDF:271398.6/40

Out: 1702.387+/-0.229 χ^2/NDF:842918.7/45

All: 1690.757+/-0.163 χ^2/NDF: 1119580.0/86



Right In: 232.160+/-945.500 χ^2/NDF: 16.1/17

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -28.002+/-314.936 χ^2/NDF: 30.5/20

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

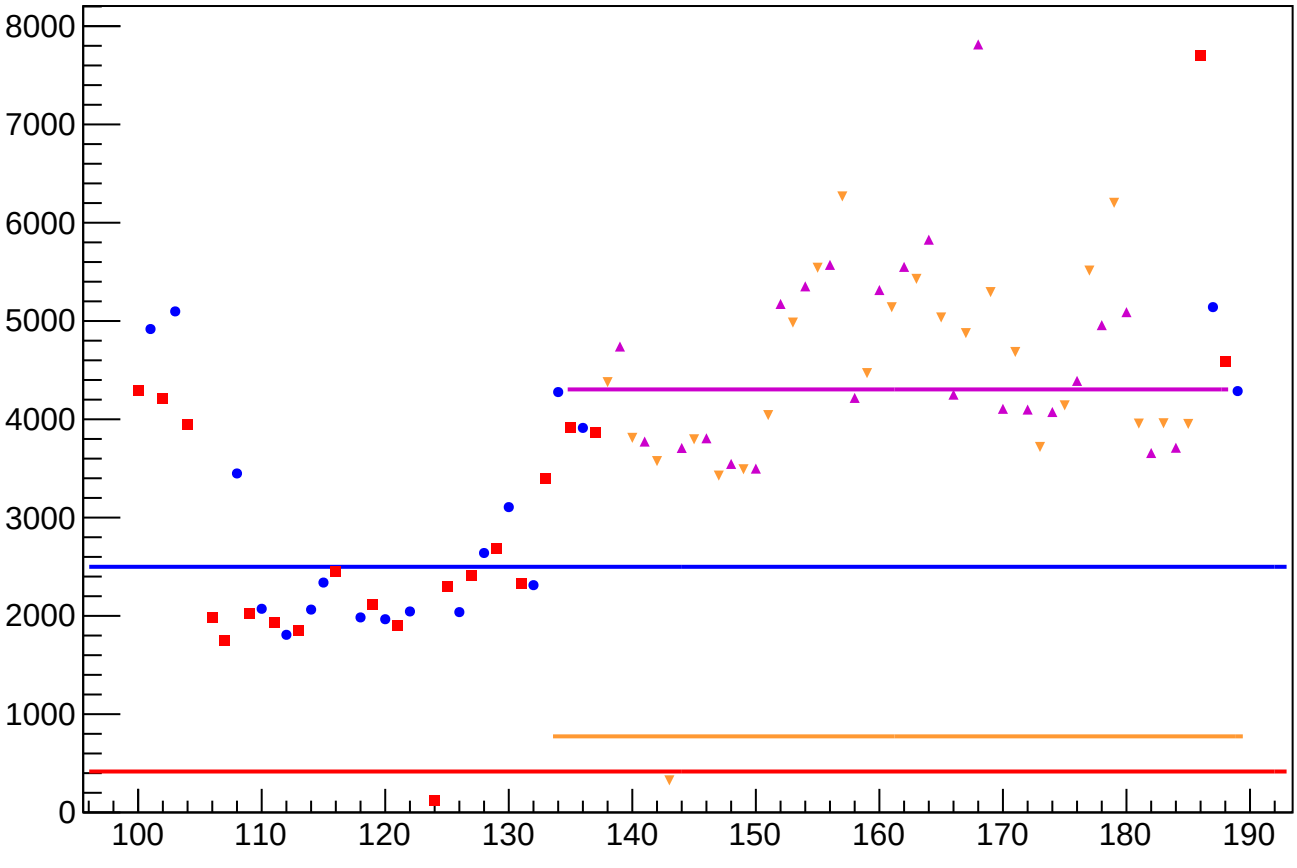
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -2.020+/-298.797 χ^2/NDF: 46.6/38

In: 112.268+/-695.127 χ^2/NDF:29.4/40

Out: 73.474+/-232.015 χ^2/NDF:64.6/45

All: 77.362+/-220.079 χ^2/NDF: 94.0/86



Right In: 2499.294+/-0.669 χ^2/NDF: 1747110.7/17

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 416.582+/-0.223 χ^2/NDF: 13733960.0/20

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

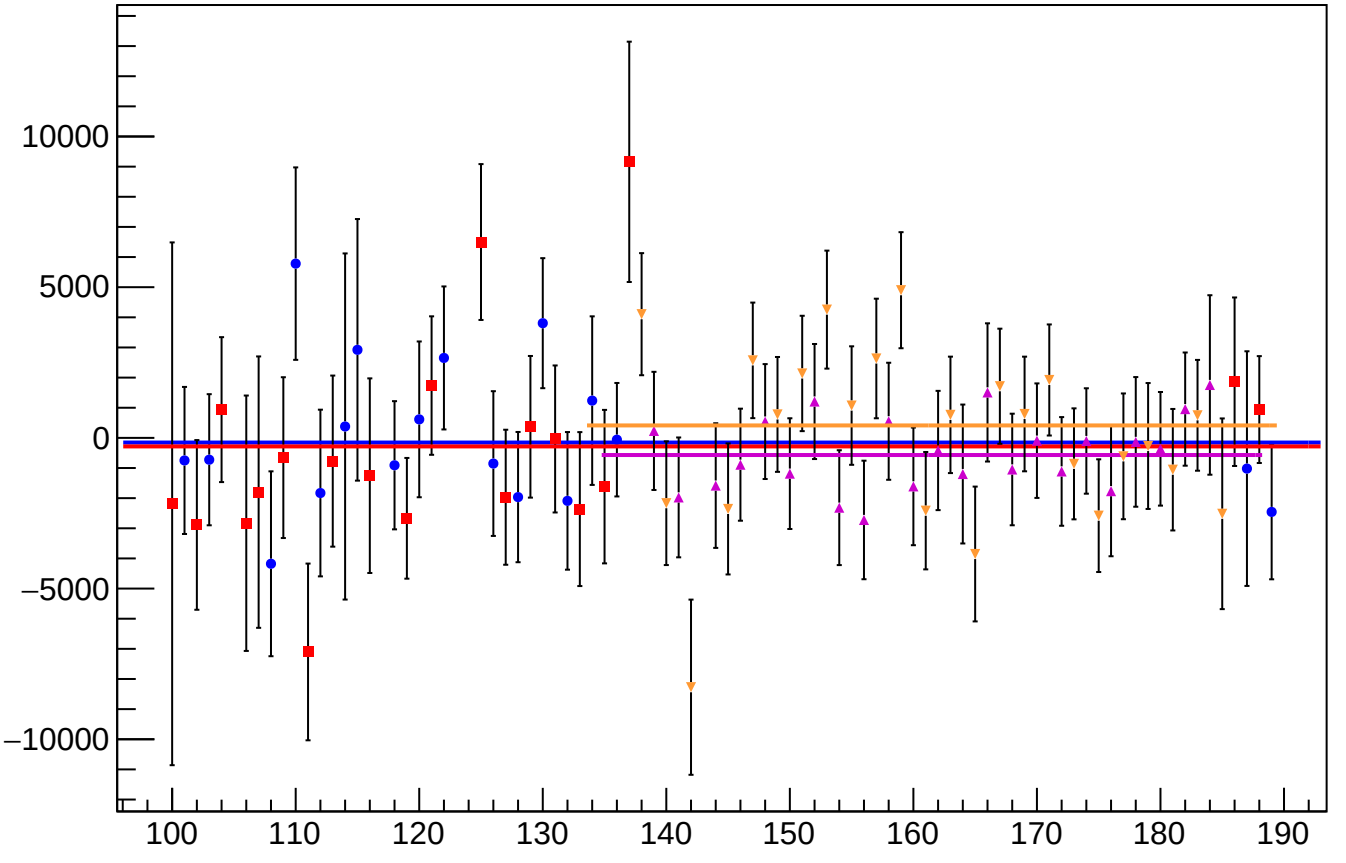
Right: 624.579+/-0.211 χ^2/NDF: 24216236.0/38

In: 3328.536+/-0.492 χ^2/NDF:6311751.8/40

Out: 580.083+/-0.164 χ^2/NDF:42999256.3/45

All: 855.581+/-0.156 χ^2/NDF: 77443343.8/86

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -154.651+/-595.843 χ^2/NDF: 14.0/17

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -283.305+/-592.610 χ^2/NDF: 24.5/19

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

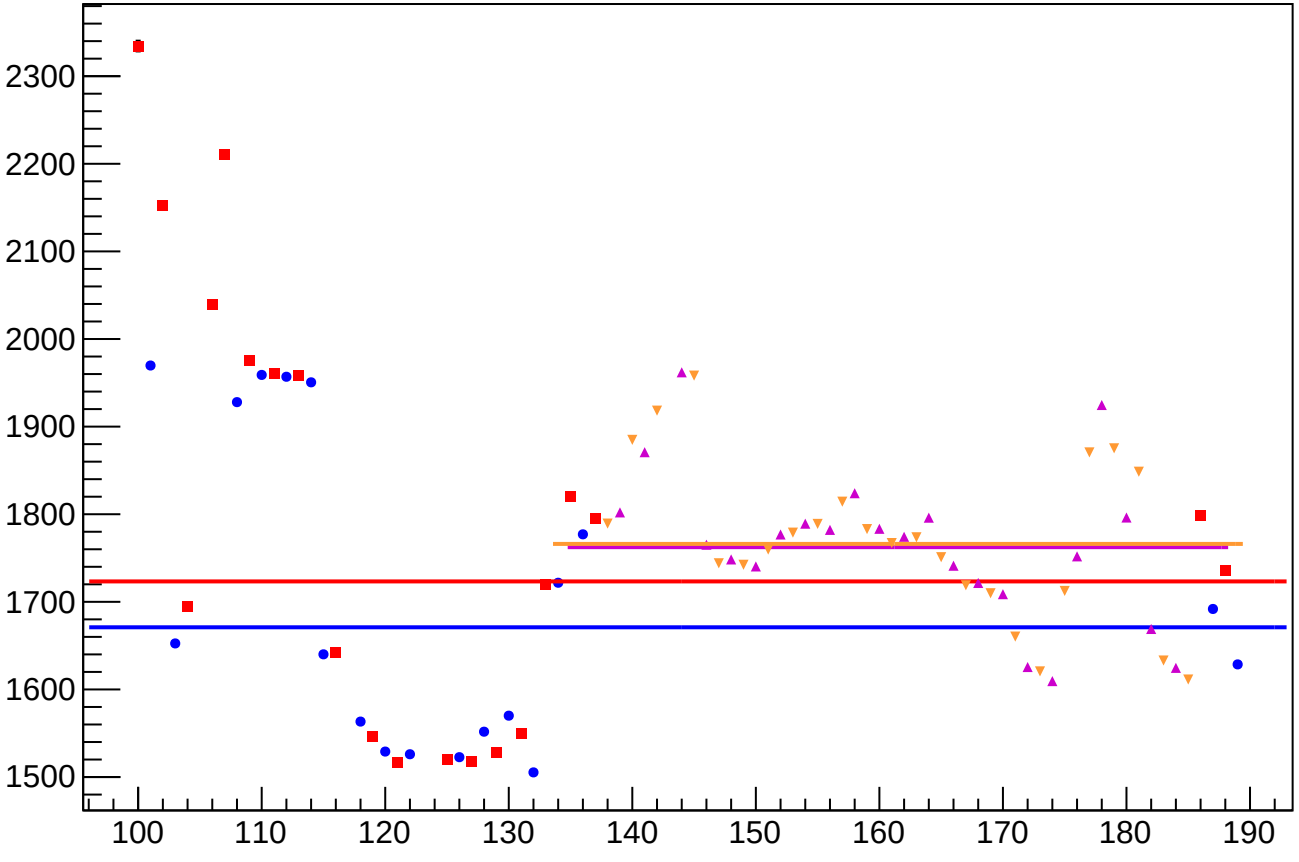
Right: -219.328+/-420.177 χ^2/NDF: 38.6/37

In: -434.831+/-338.907 χ^2/NDF:22.1/40

Out: 187.408+/-337.468 χ^2/NDF:65.4/43

All: -122.388+/-239.133 χ^2/NDF: 89.2/84

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1670.948+/-0.421 χ^2/NDF: 141688.1/17

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1723.311+/-0.418 χ^2/NDF: 229332.1/19

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

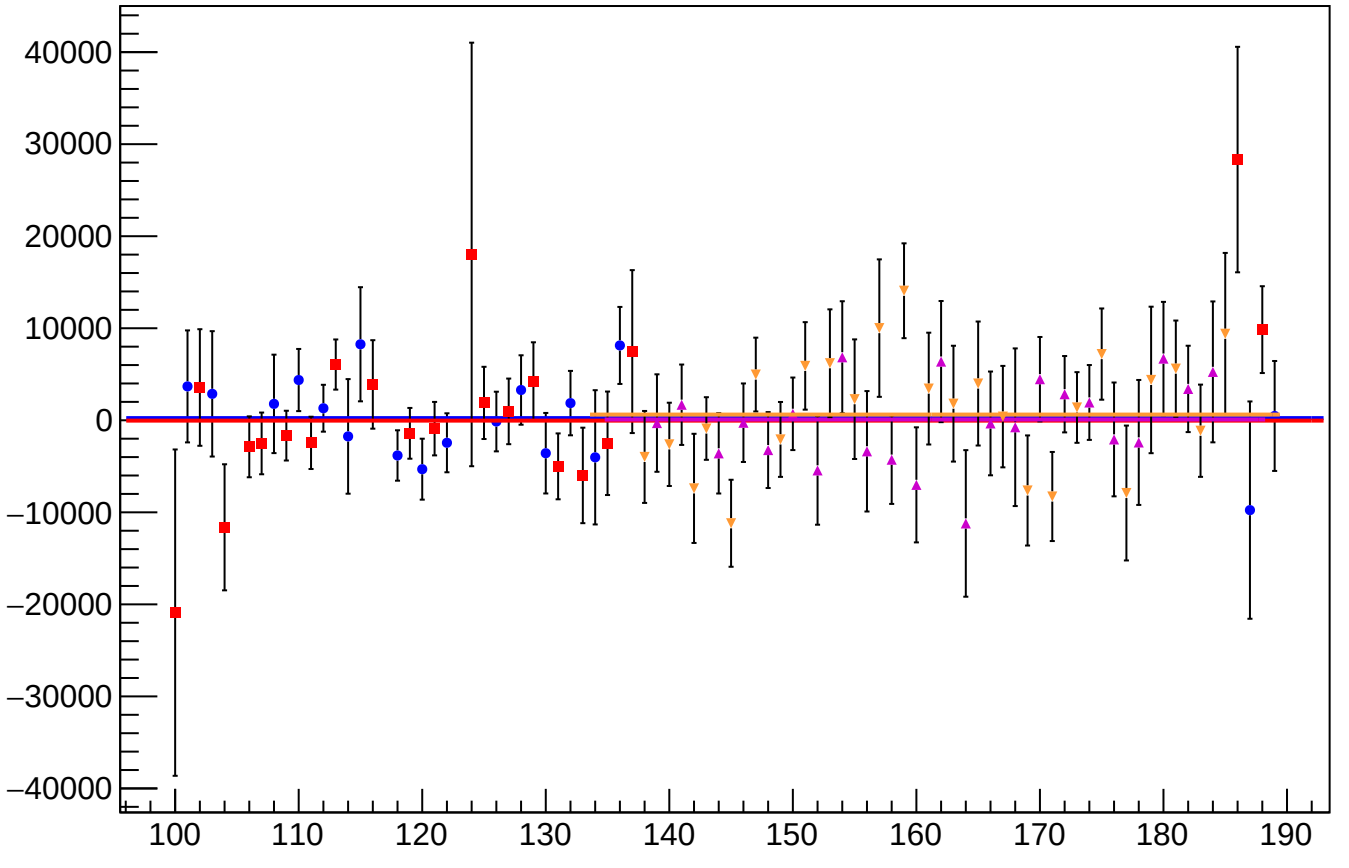
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1697.323+/-0.297 χ^2/NDF: 378800.4/37

In: 1732.817+/-0.240 χ^2/NDF:253654.7/40

Out: 1752.198+/-0.238 χ^2/NDF:319653.8/43

All: 1742.555+/-0.169 χ^2/NDF: 576594.6/84



Right In: 235.882+/-949.252 χ^2/NDF: 16.0/17

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -36.125+/-866.666 χ^2/NDF: 28.8/20

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

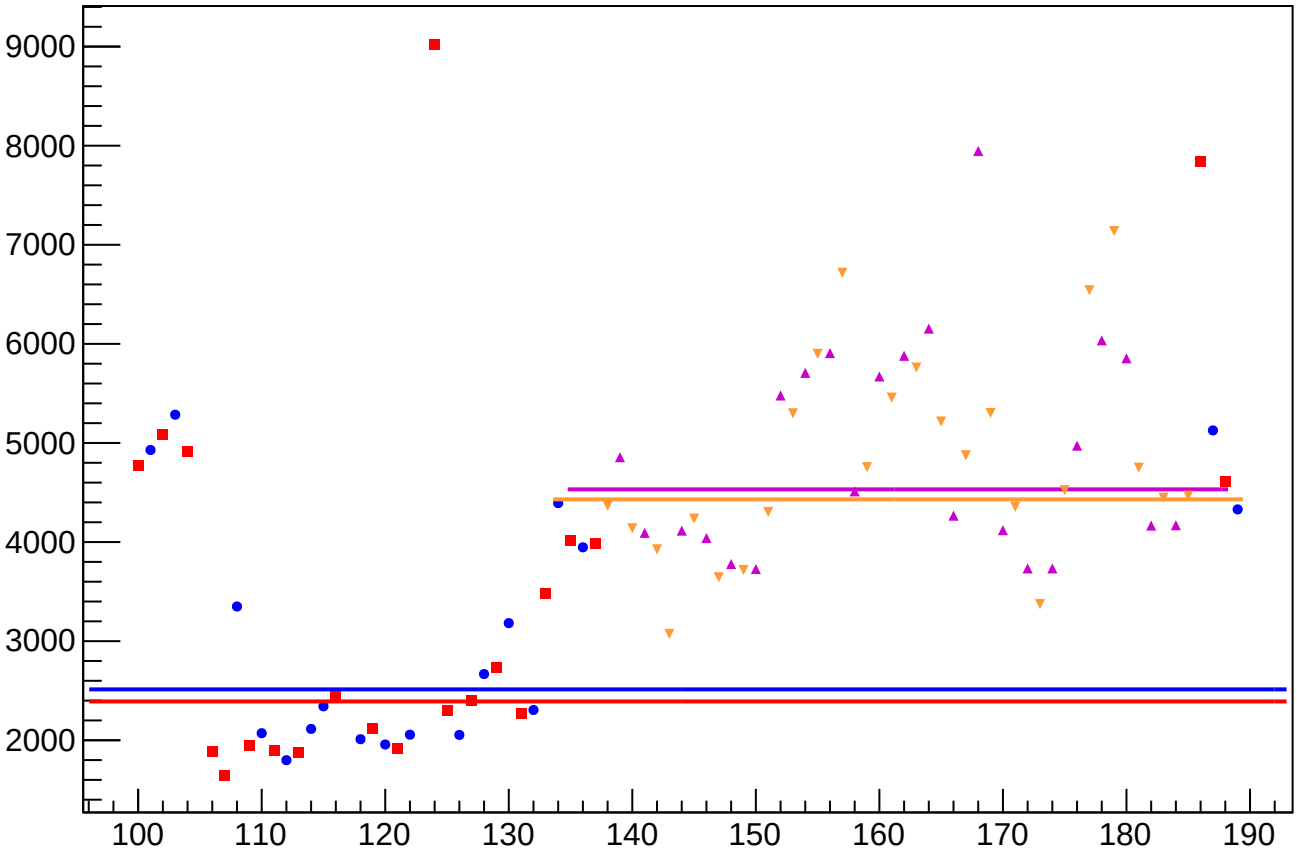
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 87.534+/-640.035 χ^2/NDF: 44.9/38

In: 170.517+/-713.712 χ^2/NDF:28.9/40

Out: 234.274+/-664.384 χ^2/NDF:62.1/45

All: 204.675+/-486.295 χ^2/NDF: 91.0/86



Right In: 2513.431+/-0.671 χ^2/NDF: 1809595.5/17

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2391.497+/-0.613 χ^2/NDF: 2417128.4/20

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

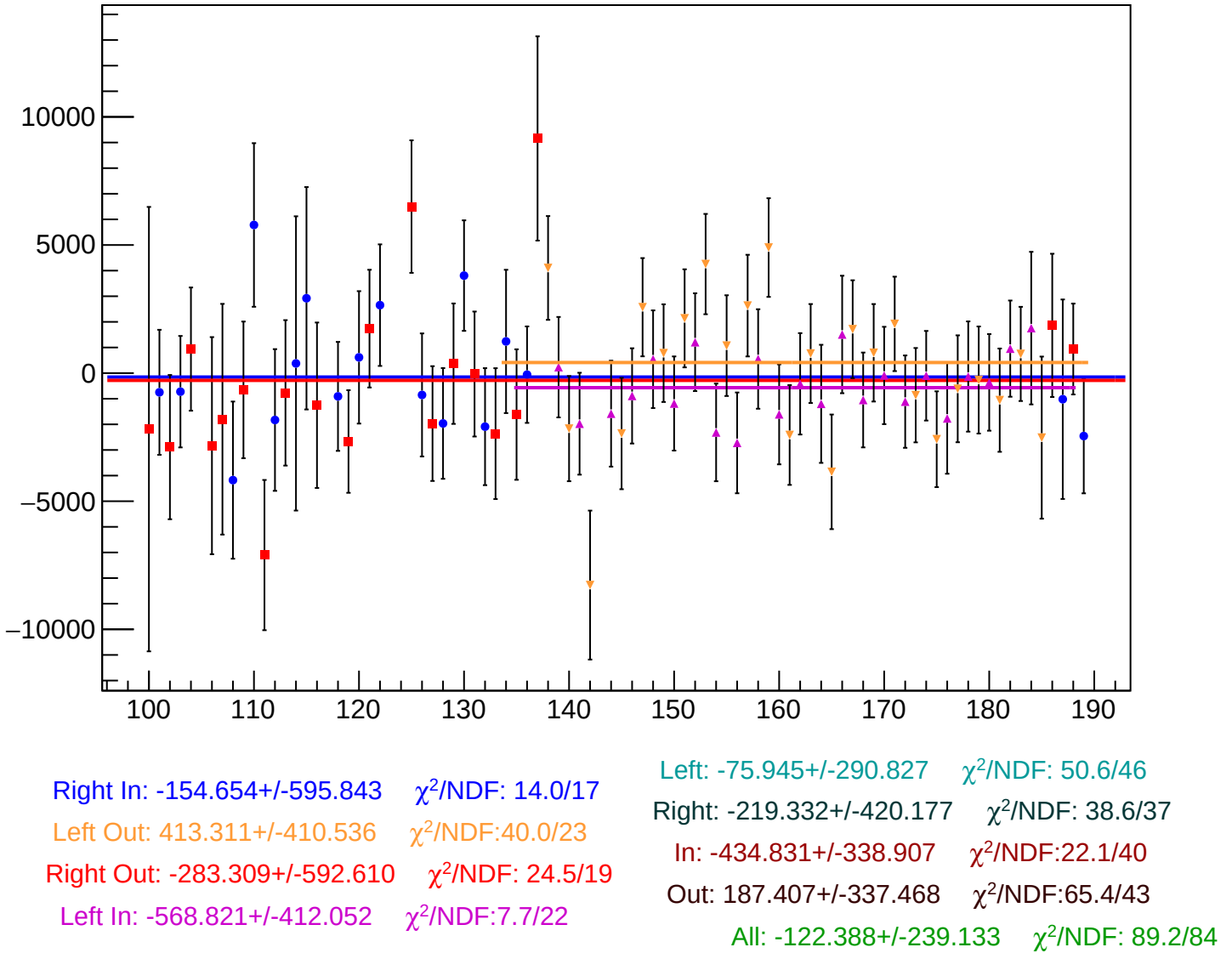
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

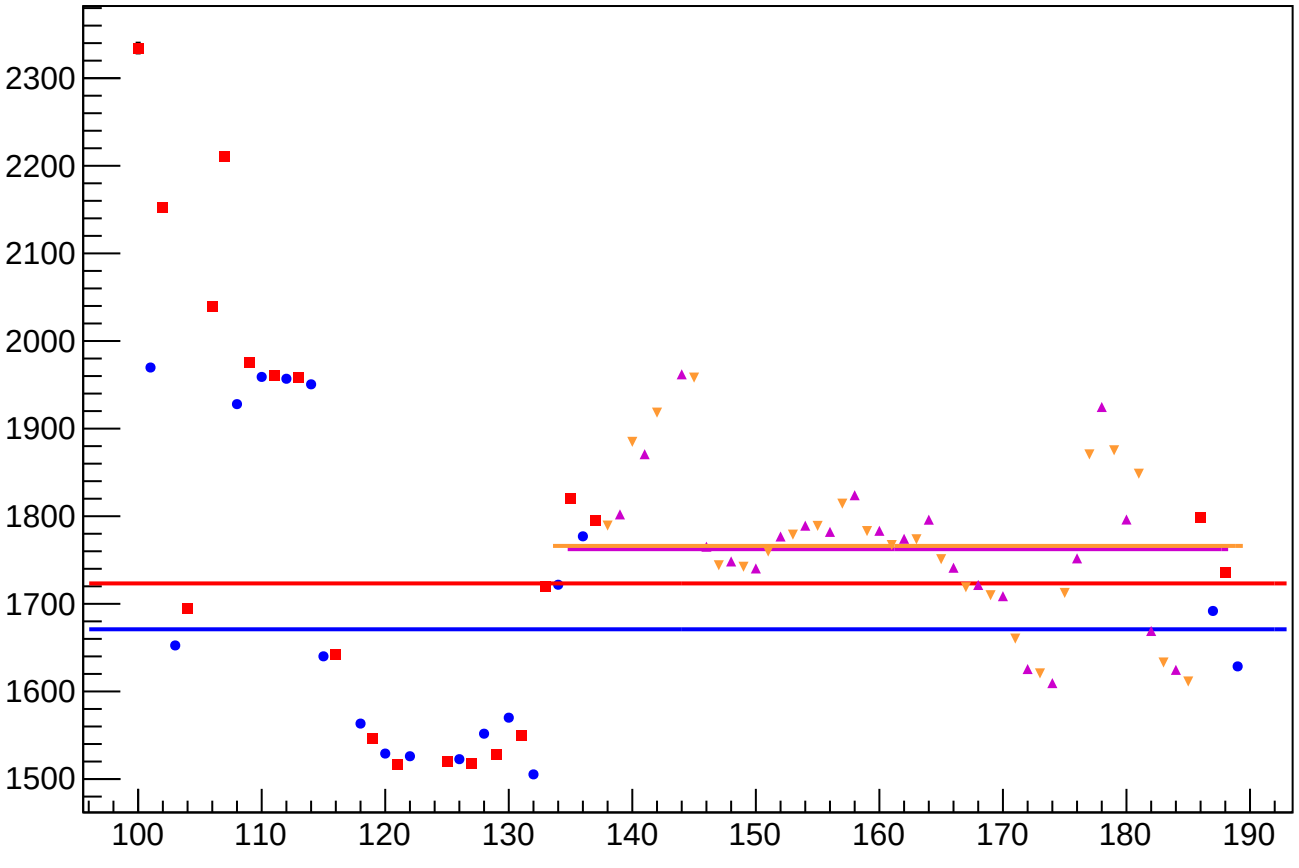
Right: 2446.930+/-0.453 χ^2/NDF: 4244721.5/38

In: 3390.868+/-0.505 χ^2/NDF:7117167.5/40

Out: 3232.361+/-0.470 χ^2/NDF:8596362.8/45

All: 3305.948+/-0.344 χ^2/NDF: 15766380.0/8


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -154.654+/-595.843 χ²/NDF: 14.0/17
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: -283.309+/-592.610 χ²/NDF: 24.5/19
Left In: -568.821+/-412.052 χ²/NDF:7.7/22
Left: -75.945+/-290.827 χ²/NDF: 50.6/46
Right: -219.332+/-420.177 χ²/NDF: 38.6/37
In: -434.831+/-338.907 χ²/NDF:22.1/40
Out: 187.407+/-337.468 χ²/NDF:65.4/43
All: -122.388+/-239.133 χ²/NDF: 89.2/84



Right In: 1670.947+/-0.421 χ^2/NDF: 141688.1/17

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1723.311+/-0.418 χ^2/NDF: 229331.3/19

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

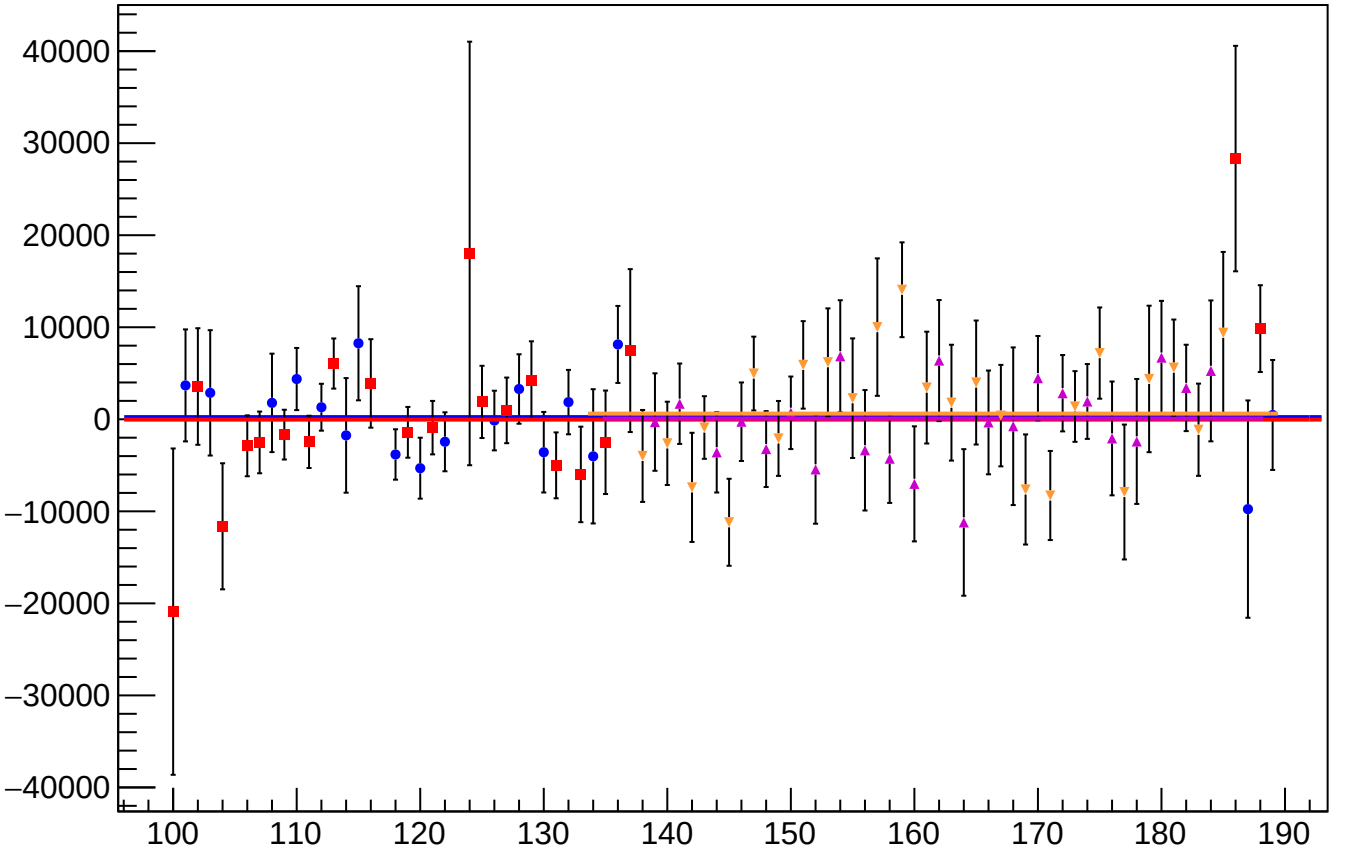
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1697.323+/-0.297 χ^2/NDF: 378799.7/37

In: 1732.818+/-0.240 χ^2/NDF:253658.2/40

Out: 1752.198+/-0.238 χ^2/NDF:319656.3/43

All: 1742.555+/-0.169 χ^2/NDF: 576600.7/84



Right In: 235.877+/-949.249 χ^2/NDF: 16.0/17

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -36.130+/-866.663 χ^2/NDF: 28.8/20

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

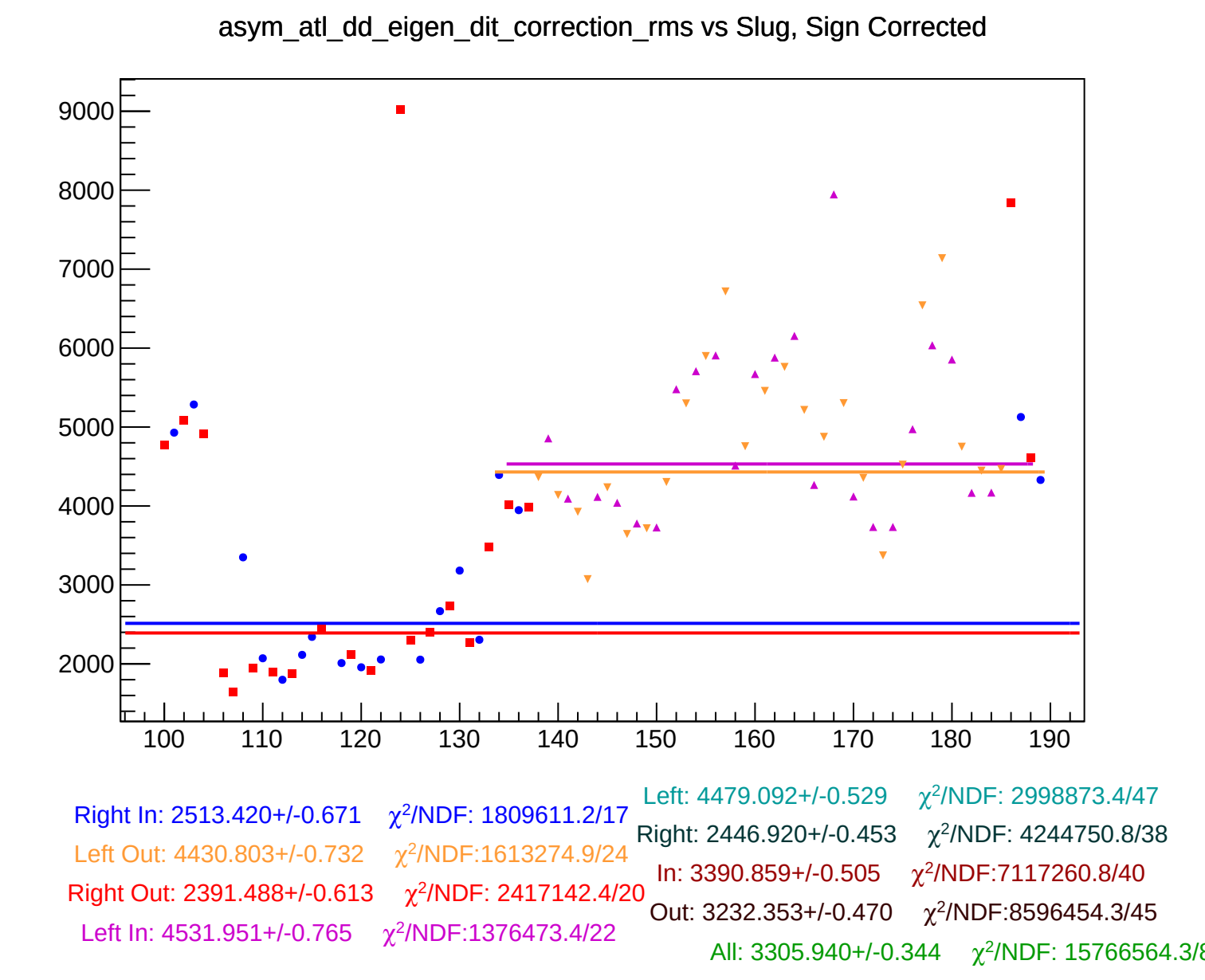
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 87.529+/-640.032 χ^2/NDF: 44.9/38

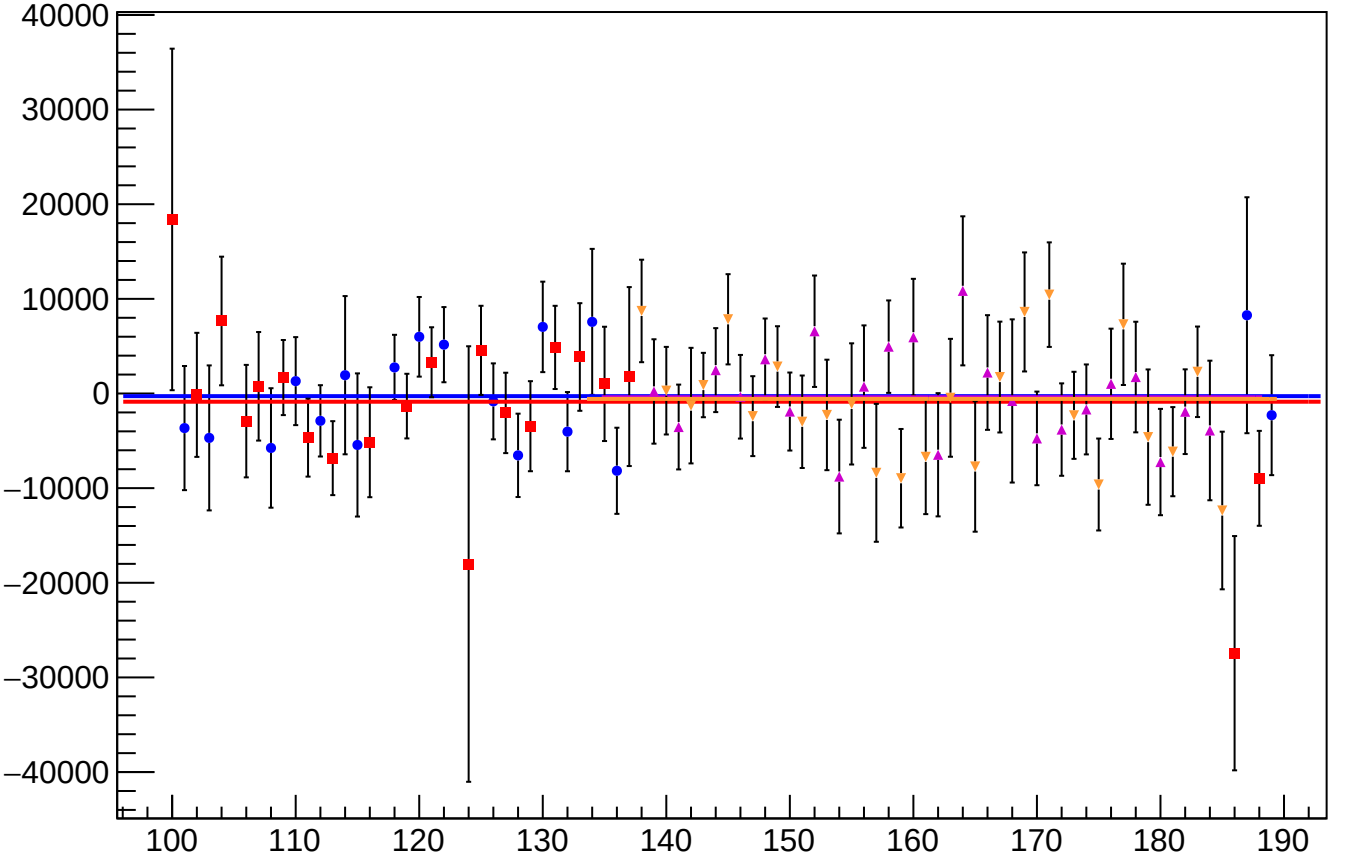
In: 170.514+/-713.711 χ^2/NDF:28.9/40

Out: 234.271+/-664.383 χ^2/NDF:62.1/45

All: 204.672+/-486.294 χ^2/NDF: 91.0/86


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2513.420+/-0.671 χ²/NDF: 1809611.2/17
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2391.488+/-0.613 χ²/NDF: 2417142.4/20
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2446.920+/-0.453 χ²/NDF: 4244750.8/38
In: 3390.859+/-0.505 χ²/NDF:7117260.8/40
Out: 3232.353+/-0.470 χ²/NDF:8596454.3/45
All: 3305.940+/-0.344 χ²/NDF: 15766564.3/8

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -280.157+/-1171.314 χ^2/NDF: 17.1/17

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -868.761+/-1119.759 χ^2/NDF: 20.4/20

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

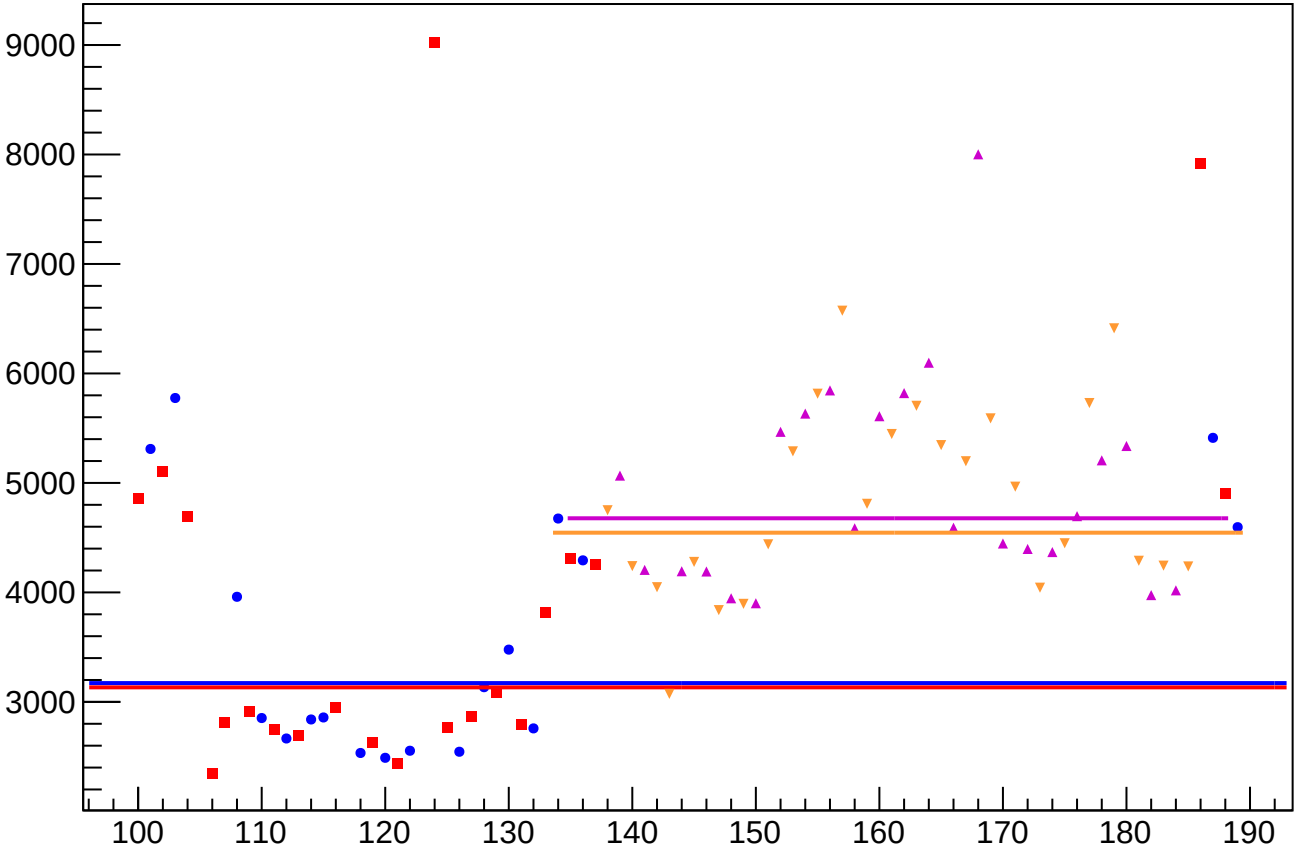
Right: -587.697+/-809.402 χ^2/NDF: 37.7/38

In: -342.483+/-805.498 χ^2/NDF:31.2/40

Out: -712.123+/-767.808 χ^2/NDF:49.2/45

All: -536.153+/-555.769 χ^2/NDF: 80.5/86

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3171.652+/-0.828 χ^2/NDF: 1136425.6/17

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3132.631+/-0.782 χ^2/NDF: 1383215.9/20

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

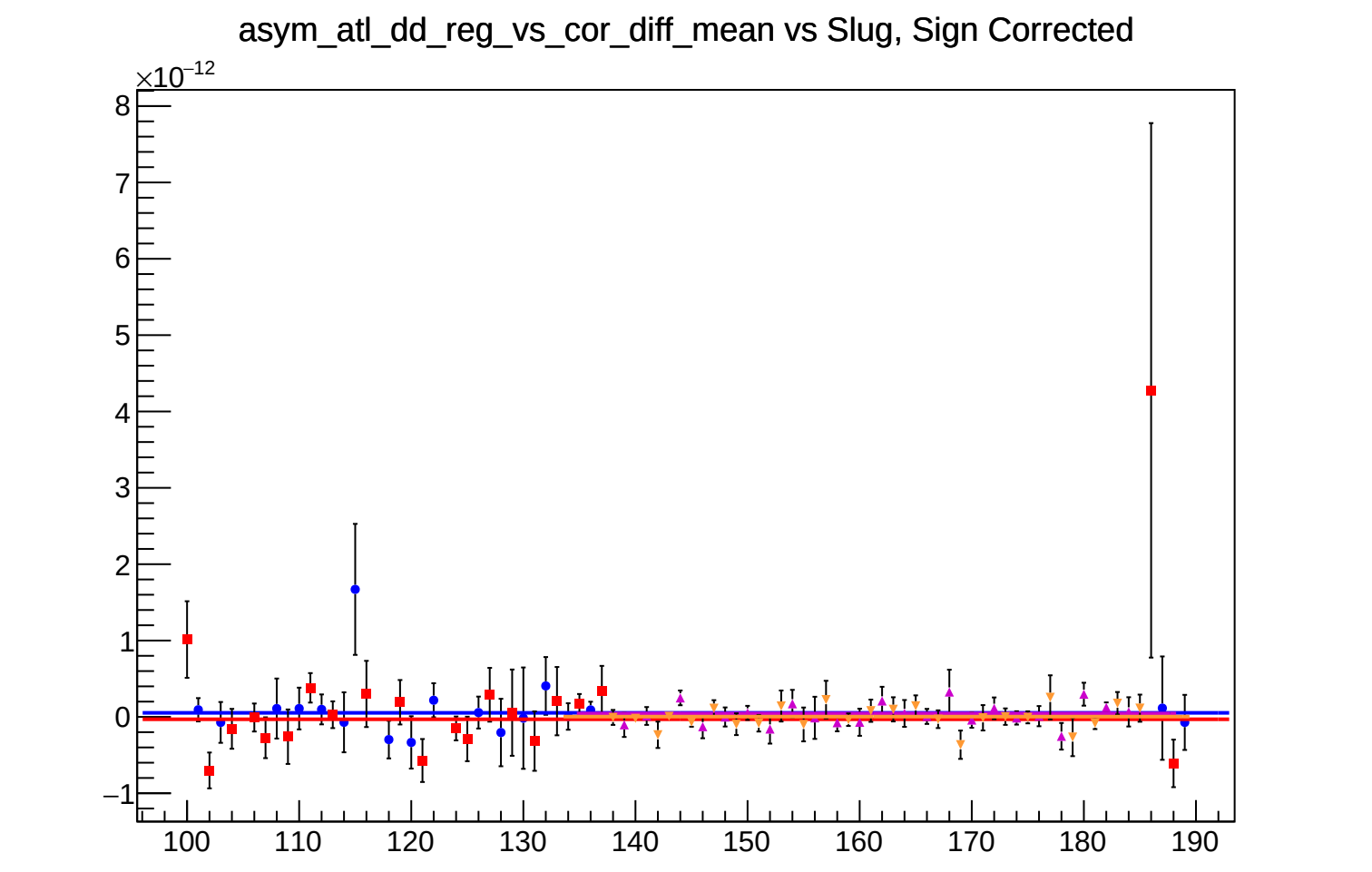
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3151.014+/-0.568 χ^2/NDF: 2520815.4/38

In: 3965.125+/-0.570 χ^2/NDF:3837589.2/40

Out: 3872.181+/-0.540 χ^2/NDF:4351666.4/45

All: 3916.147+/-0.392 χ^2/NDF: 8203288.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/20

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

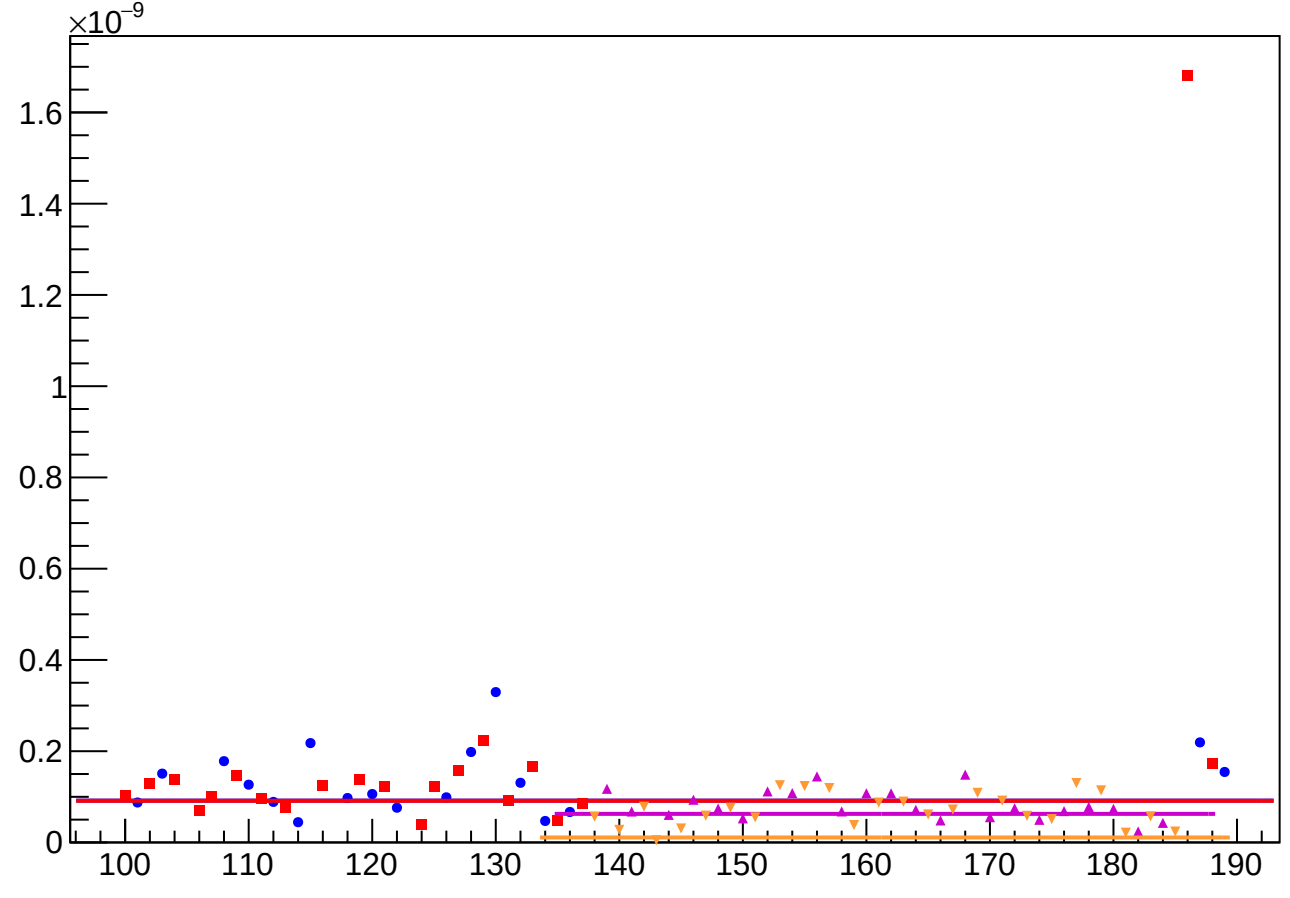
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 45.7/38

In: 0.000+/-0.000 χ^2/NDF:30.1/40

Out: 0.000+/-0.000 χ^2/NDF:53.7/45

All: 0.000+/-0.000 χ^2/NDF: 86.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 1085035.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1566394.0/20

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

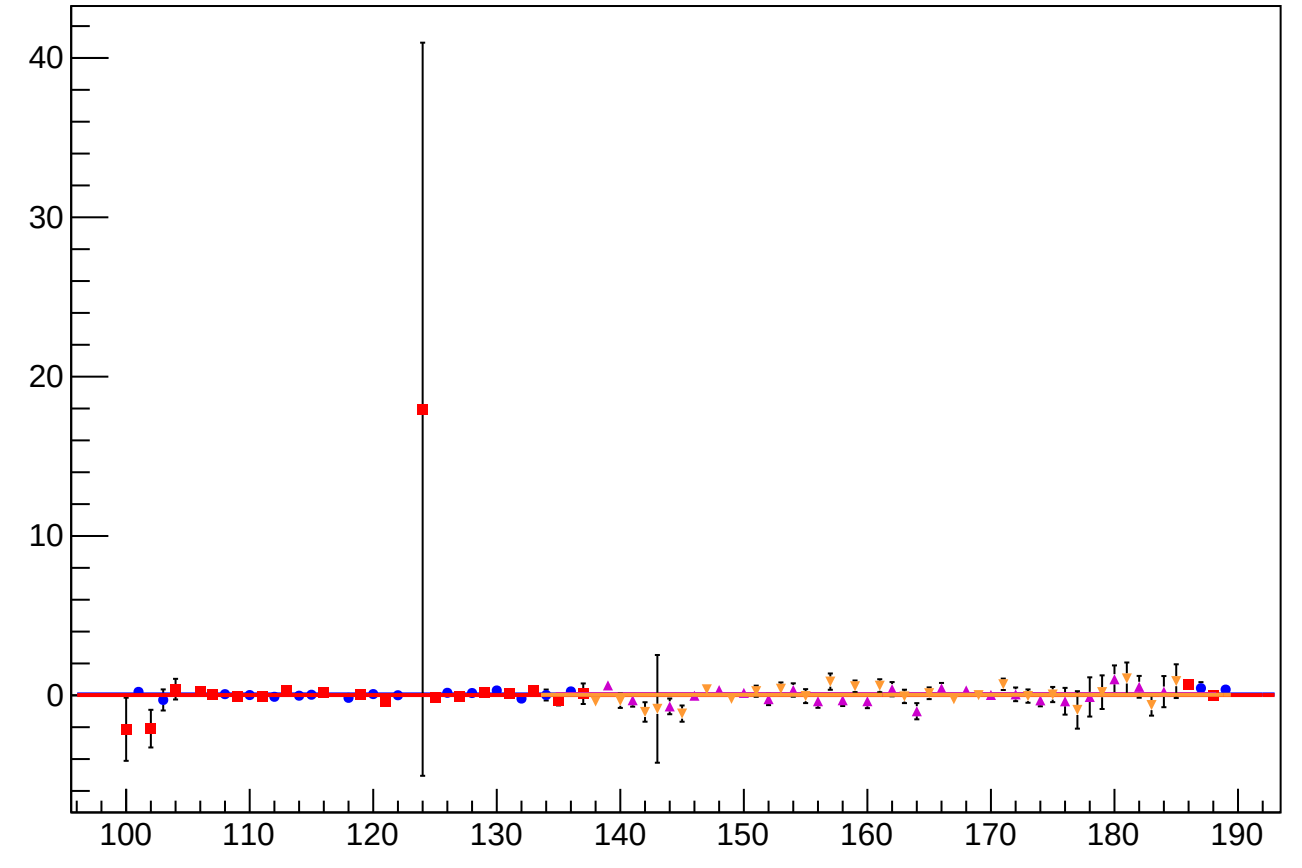
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 2651465.1/38

In: 0.000+/-0.000 χ^2/NDF:3624562.1/40

Out: 0.000+/-0.000 χ^2/NDF:15474575.9/45

All: 0.000+/-0.000 χ^2/NDF: 28854116.1/86



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

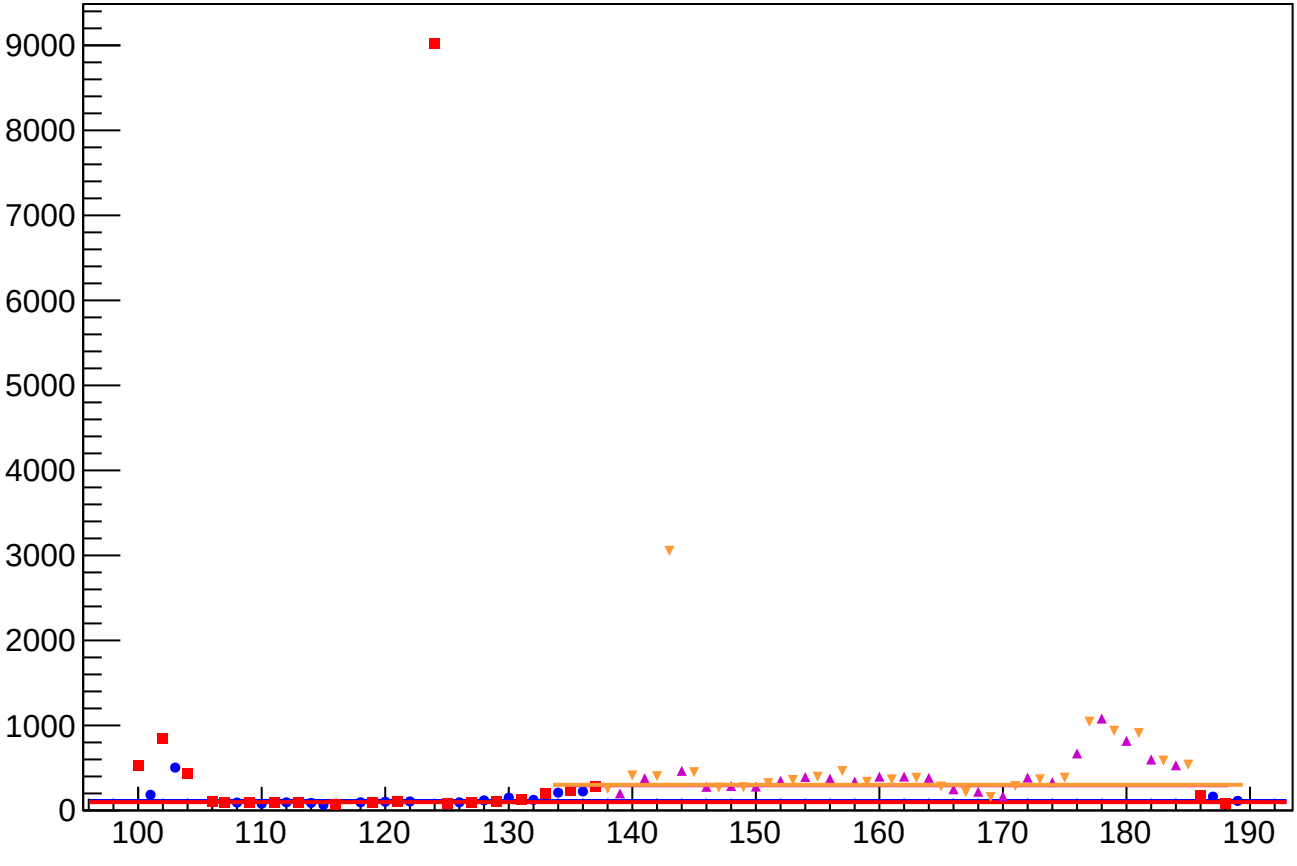
Right: 0.035+/-0.029 χ^2/NDF: 42.3/38

In: 0.063+/-0.038 χ^2/NDF:38.1/40

Out: 0.020+/-0.034 χ^2/NDF:57.6/45

All: 0.040+/-0.025 χ^2/NDF: 96.4/86

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.889+/-0.031 χ^2/NDF: 1968366.4/17

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 97.815+/-0.027 χ^2/NDF: 2883178.8/20

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

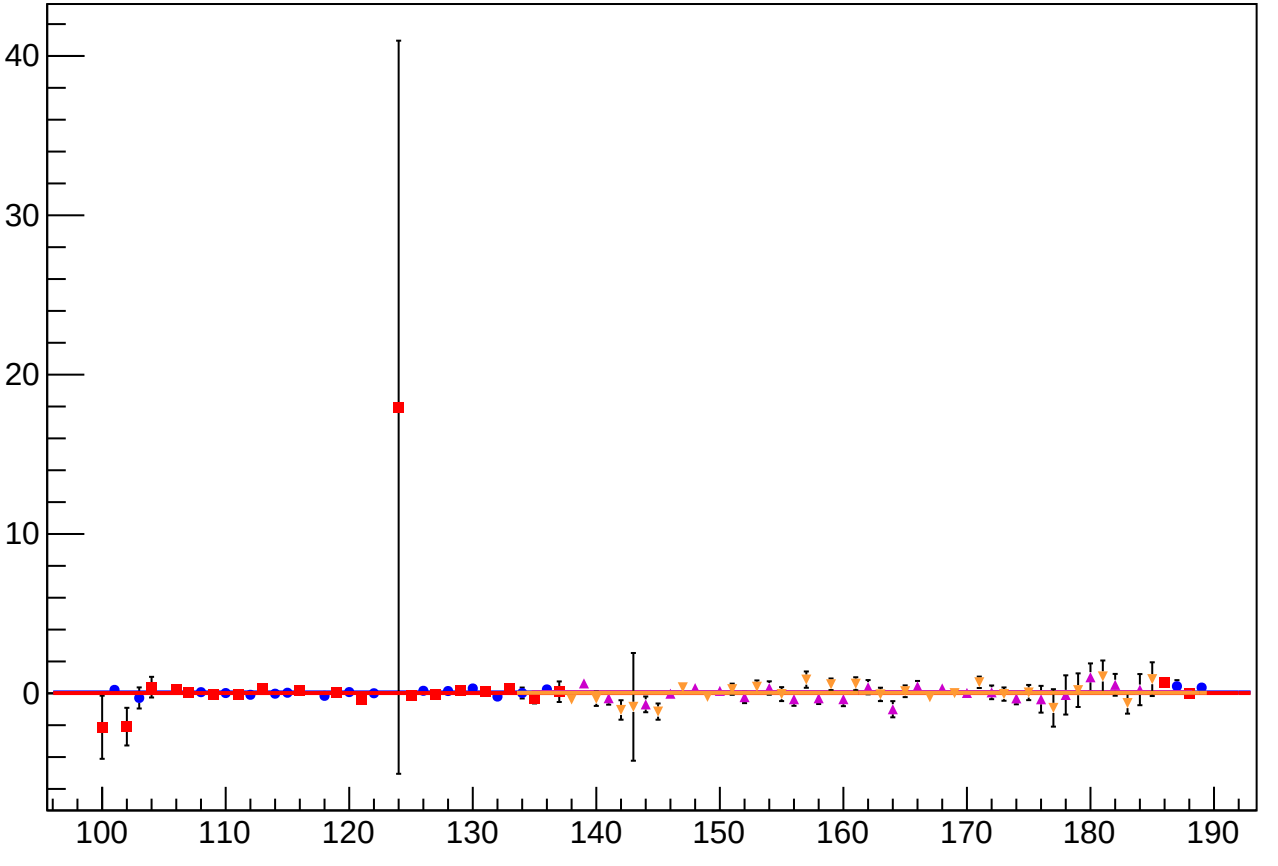
Right: 103.511+/-0.020 χ^2/NDF: 4954416.0/38

In: 156.716+/-0.027 χ^2/NDF:15974981.2/40

Out: 137.895+/-0.024 χ^2/NDF:20866633.8/45

All: 146.392+/-0.018 χ^2/NDF: 37116564.0/86

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

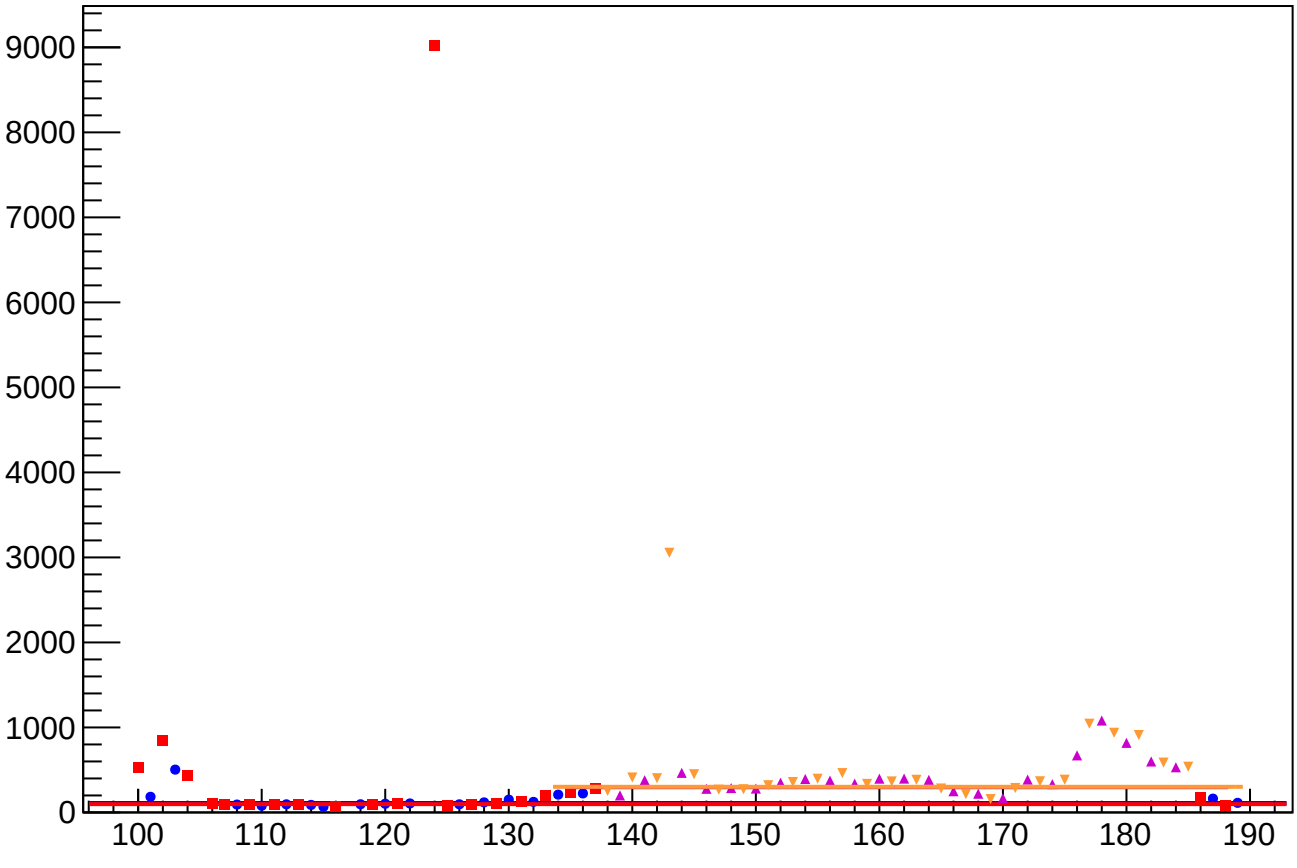
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.035+/-0.029 χ^2/NDF: 42.3/38

In: 0.063+/-0.038 χ^2/NDF:38.1/40

Out: 0.020+/-0.034 χ^2/NDF:57.6/45

All: 0.040+/-0.025 χ^2/NDF: 96.4/86



Right In: 110.889+/-0.031 χ^2/NDF: 1968366.4/17

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 97.815+/-0.027 χ^2/NDF: 2883178.8/20

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

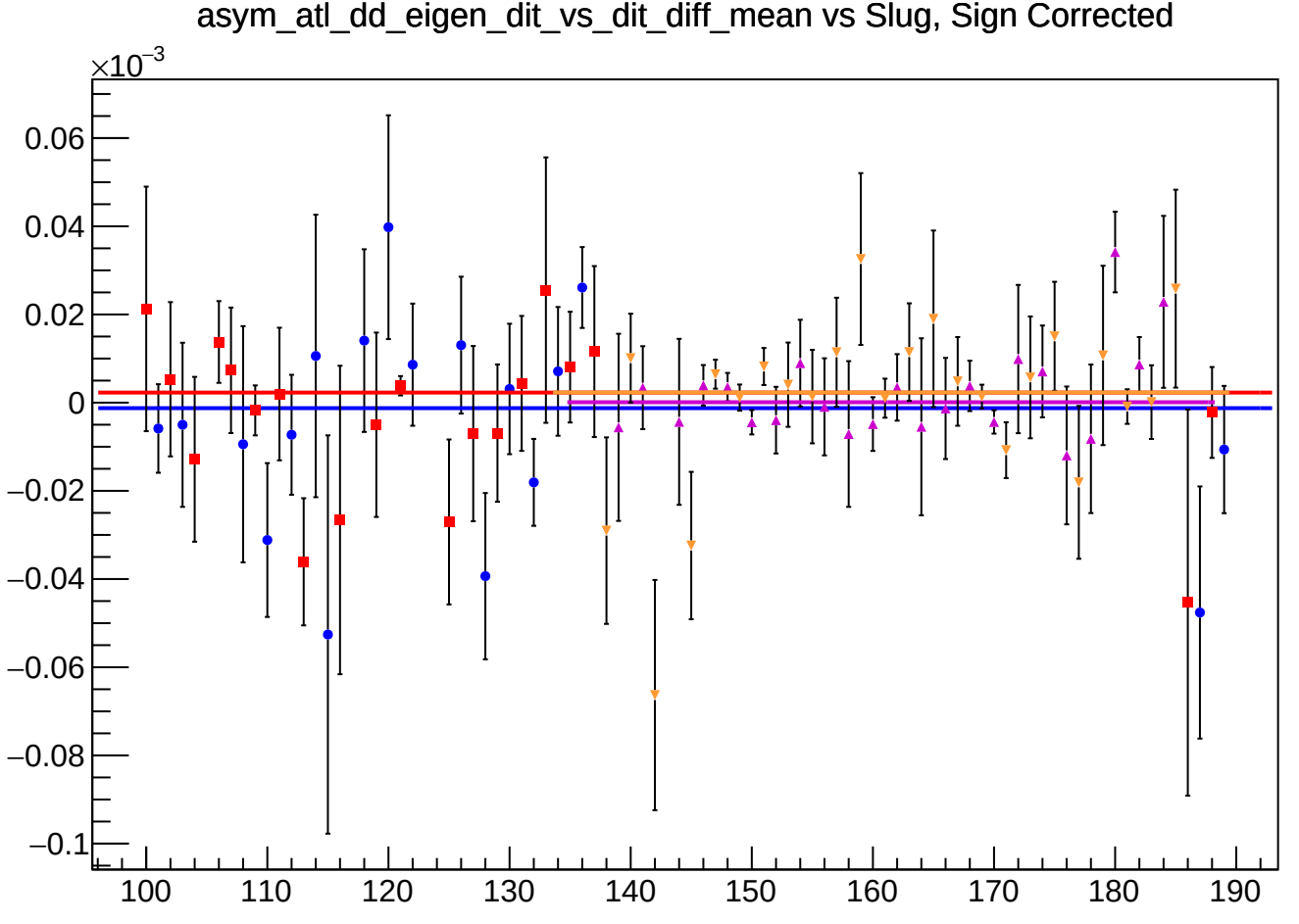
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 103.511+/-0.020 χ^2/NDF: 4954416.0/38

In: 156.716+/-0.027 χ^2/NDF:15974981.2/40

Out: 137.895+/-0.024 χ^2/NDF:20866633.8/45

All: 146.392+/-0.018 χ^2/NDF: 37116564.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/19

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

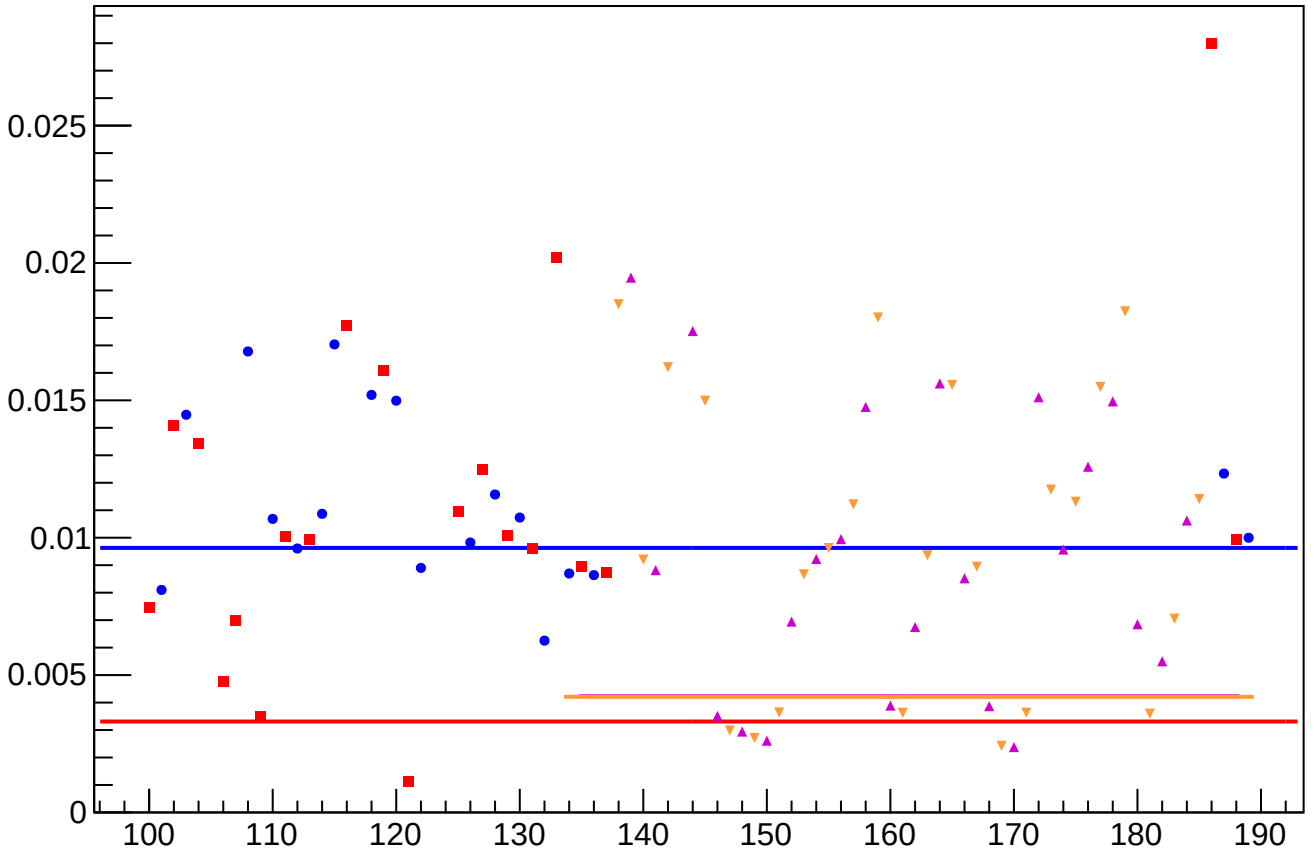
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 46.7/37

In: -0.000+/-0.000 χ^2/NDF:58.0/40

Out: 0.000+/-0.000 χ^2/NDF:48.3/43

All: 0.000+/-0.000 χ^2/NDF: 108.6/84



Right In: 0.010+/-0.000 χ^2/NDF: 945959.5/17

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9617611.6/19

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

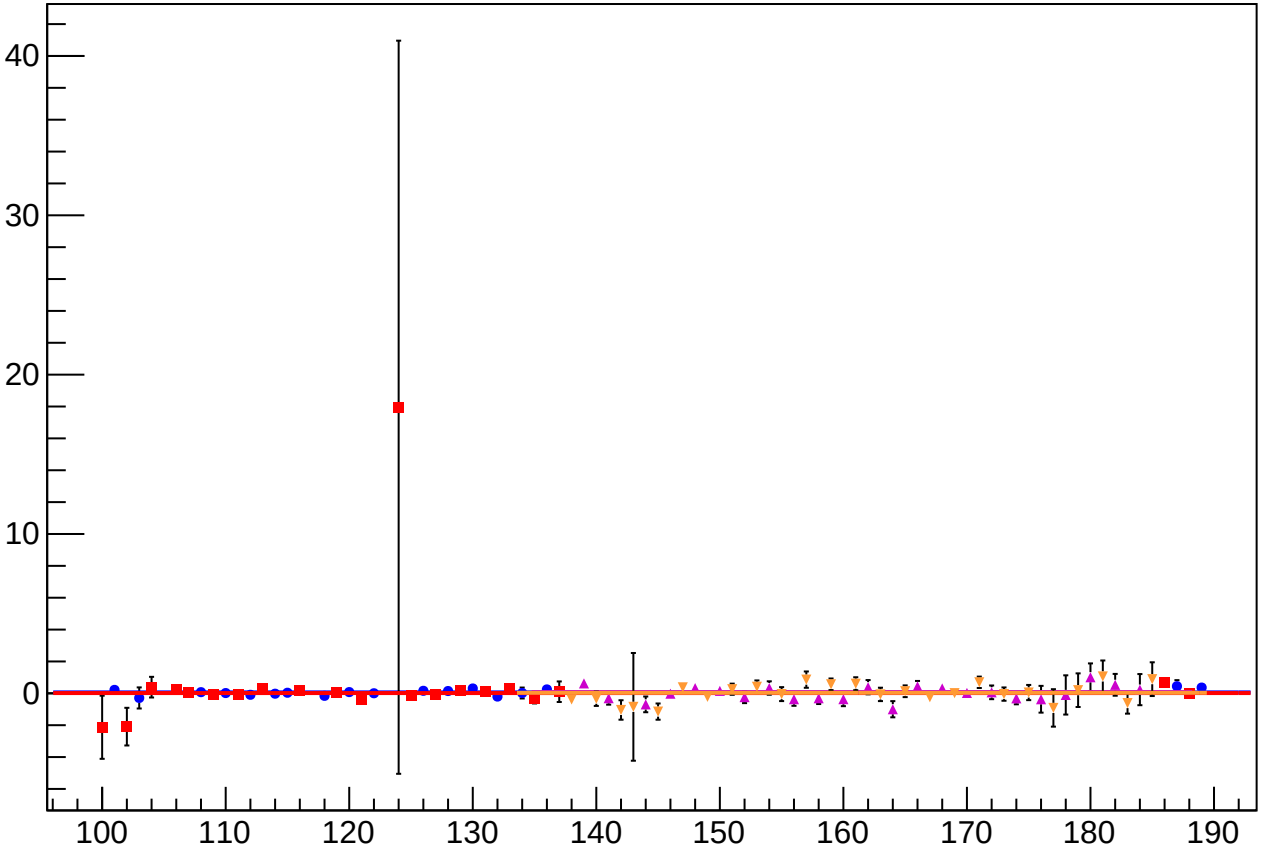
Right: 0.005+/-0.000 χ^2/NDF: 15532373.8/37

In: 0.005+/-0.000 χ^2/NDF:16015568.9/40

Out: 0.004+/-0.000 χ^2/NDF:22033855.0/43

All: 0.004+/-0.000 χ^2/NDF: 38722706.5/84

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

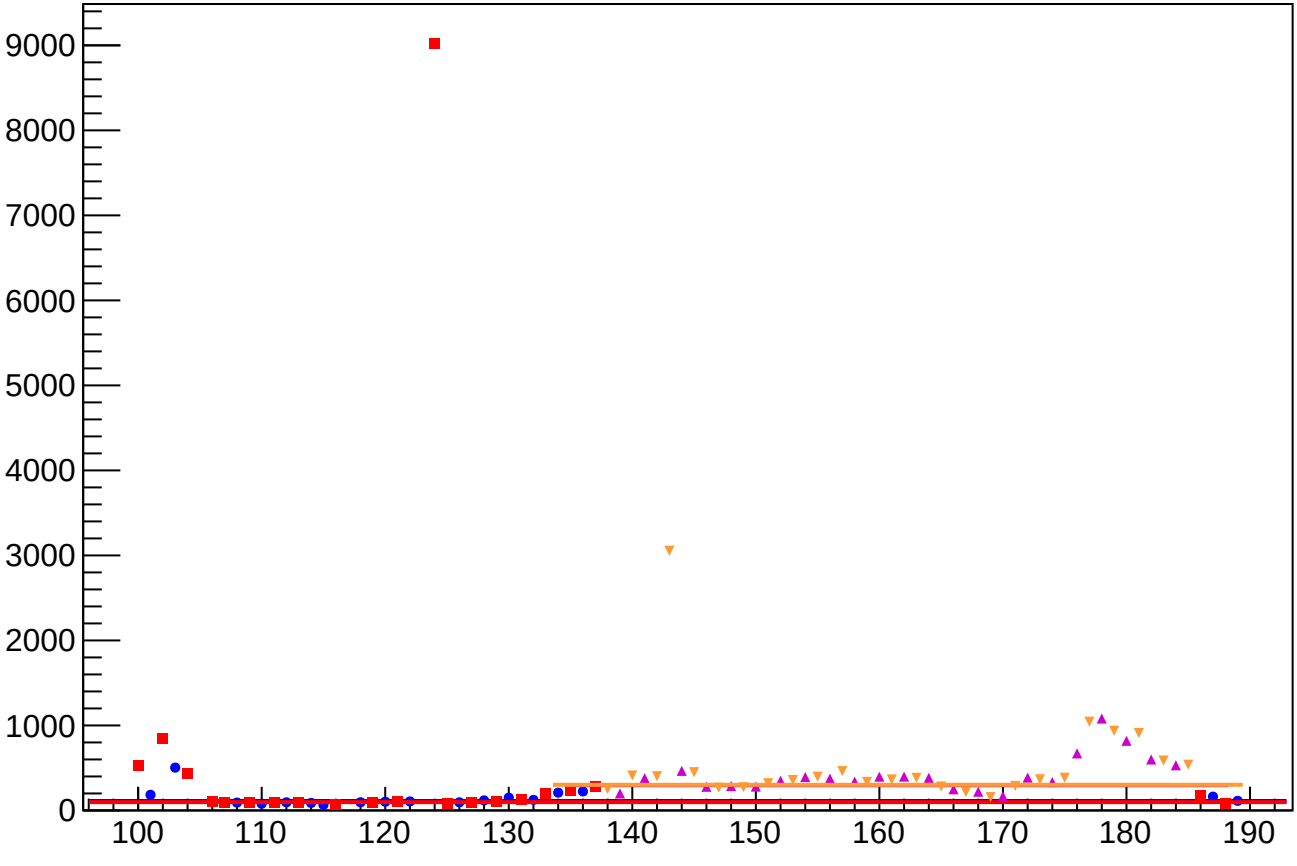
Right: 0.035+/-0.029 χ^2/NDF: 42.3/38

In: 0.063+/-0.038 χ^2/NDF:38.1/40

Out: 0.020+/-0.034 χ^2/NDF:57.6/45

All: 0.040+/-0.025 χ^2/NDF: 96.4/86

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.889+/-0.031 χ^2/NDF: 1968298.5/17

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 97.816+/-0.027 χ^2/NDF: 2883059.4/20

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

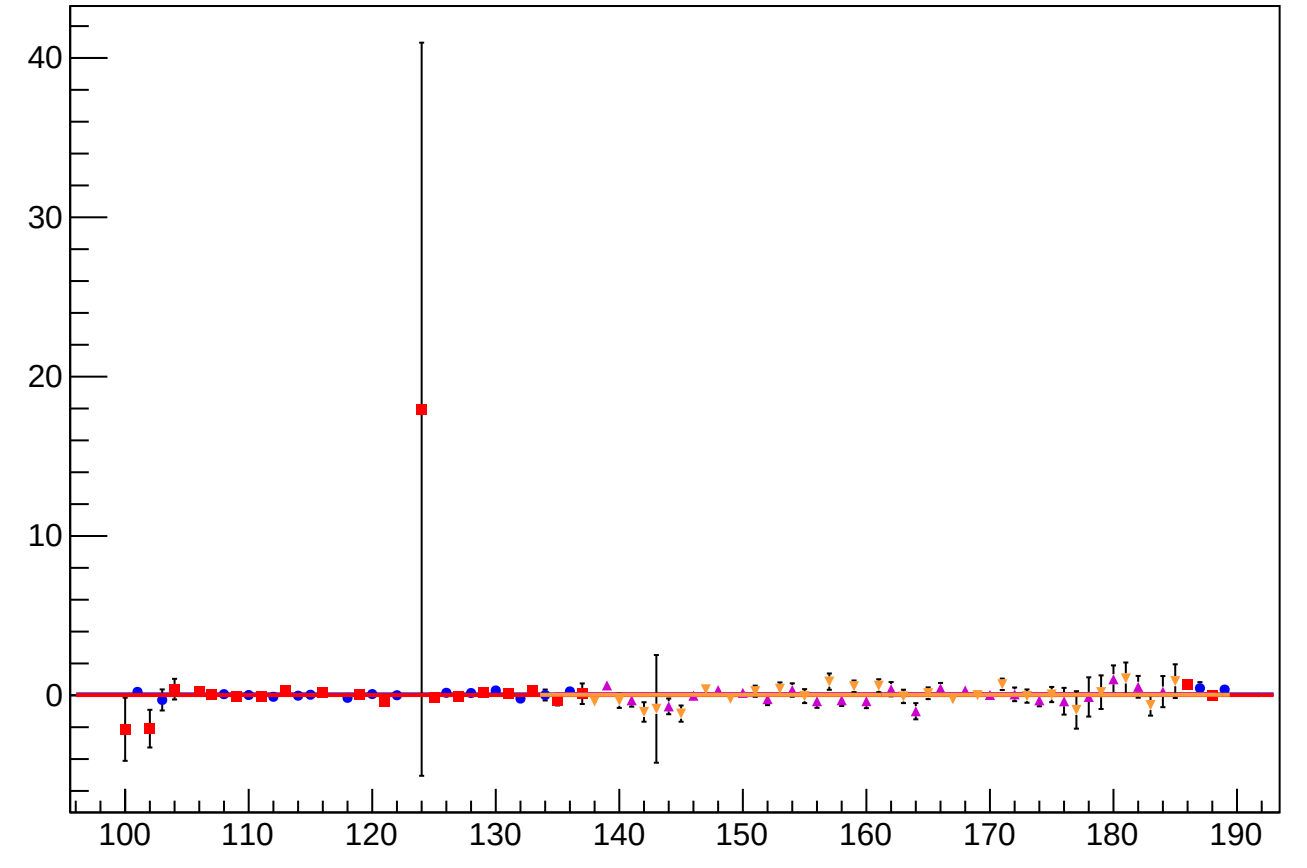
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 103.511+/-0.020 χ^2/NDF: 4954213.3/38

In: 156.716+/-0.027 χ^2/NDF:15975018.7/40

Out: 137.896+/-0.024 χ^2/NDF:20866487.0/45

All: 146.393+/-0.018 χ^2/NDF: 37116422.4/86



Right In: 0.058+/-0.043 χ^2/NDF: 13.9/17

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

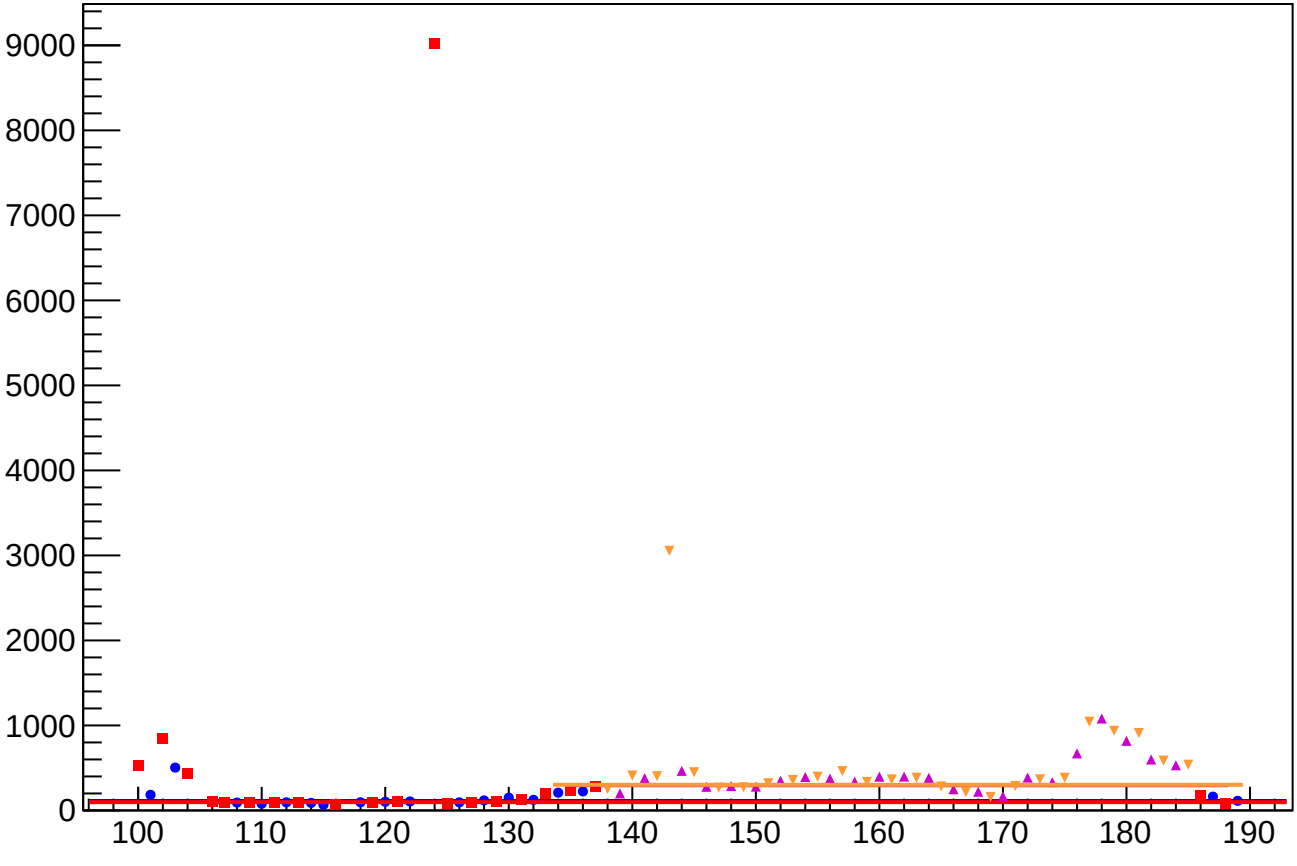
Right: 0.035+/-0.029 χ^2/NDF: 42.3/38

In: 0.063+/-0.038 χ^2/NDF:38.1/40

Out: 0.020+/-0.034 χ^2/NDF:57.6/45

All: 0.040+/-0.025 χ^2/NDF: 96.4/86

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.889+/-0.031 χ^2/NDF: 1968298.5/17

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 97.816+/-0.027 χ^2/NDF: 2883059.4/20

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

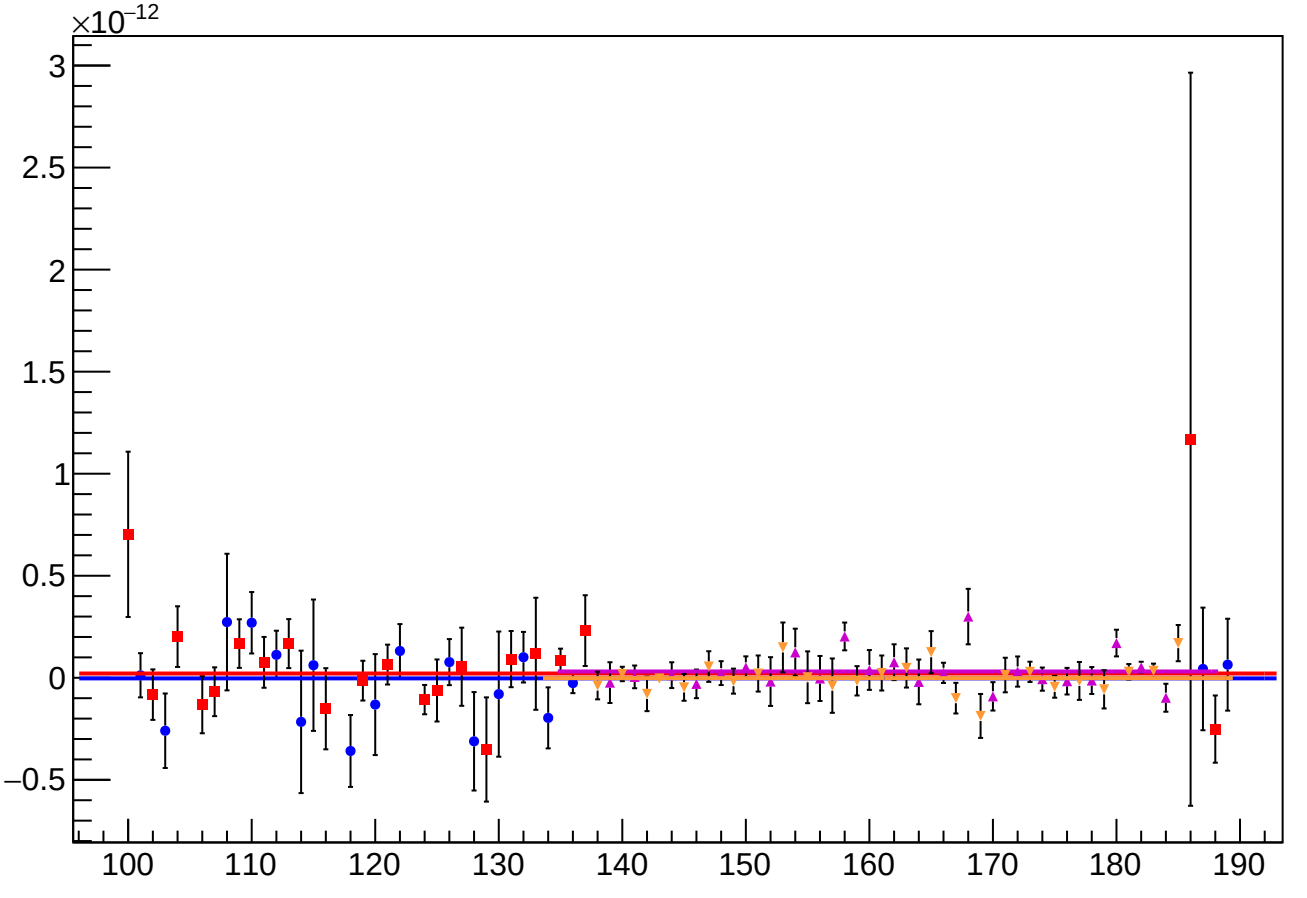
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 103.511+/-0.020 χ^2/NDF: 4954213.3/38

In: 156.716+/-0.027 χ^2/NDF:15975018.7/40

Out: 137.896+/-0.024 χ^2/NDF:20866487.0/45

All: 146.393+/-0.018 χ^2/NDF: 37116422.4/86



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/20

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

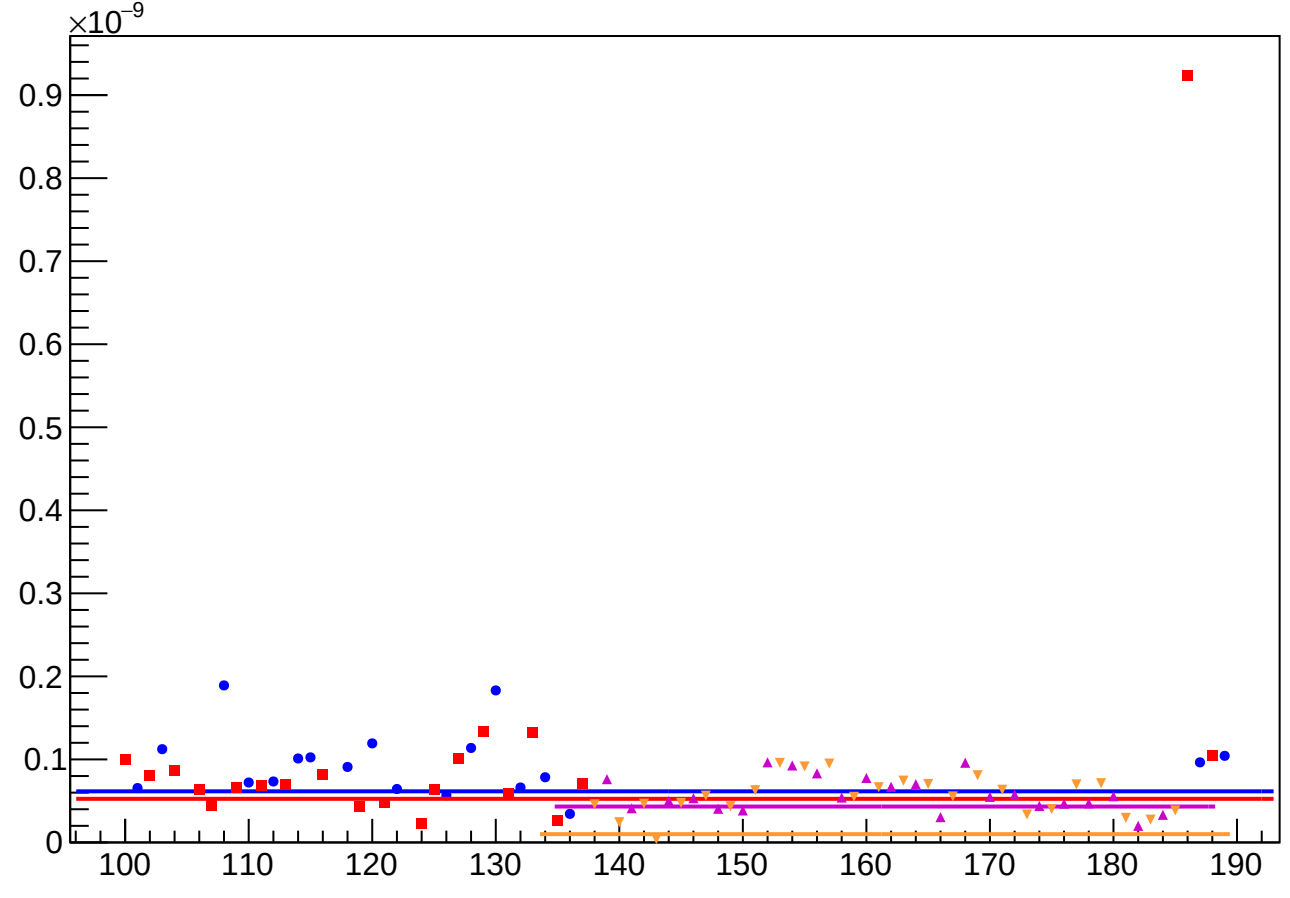
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 40.8/38

In: 0.000+/-0.000 χ^2/NDF:45.0/40

Out: -0.000+/-0.000 χ^2/NDF:41.3/45

All: 0.000+/-0.000 χ^2/NDF: 90.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 1848325.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2343843.1/20

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

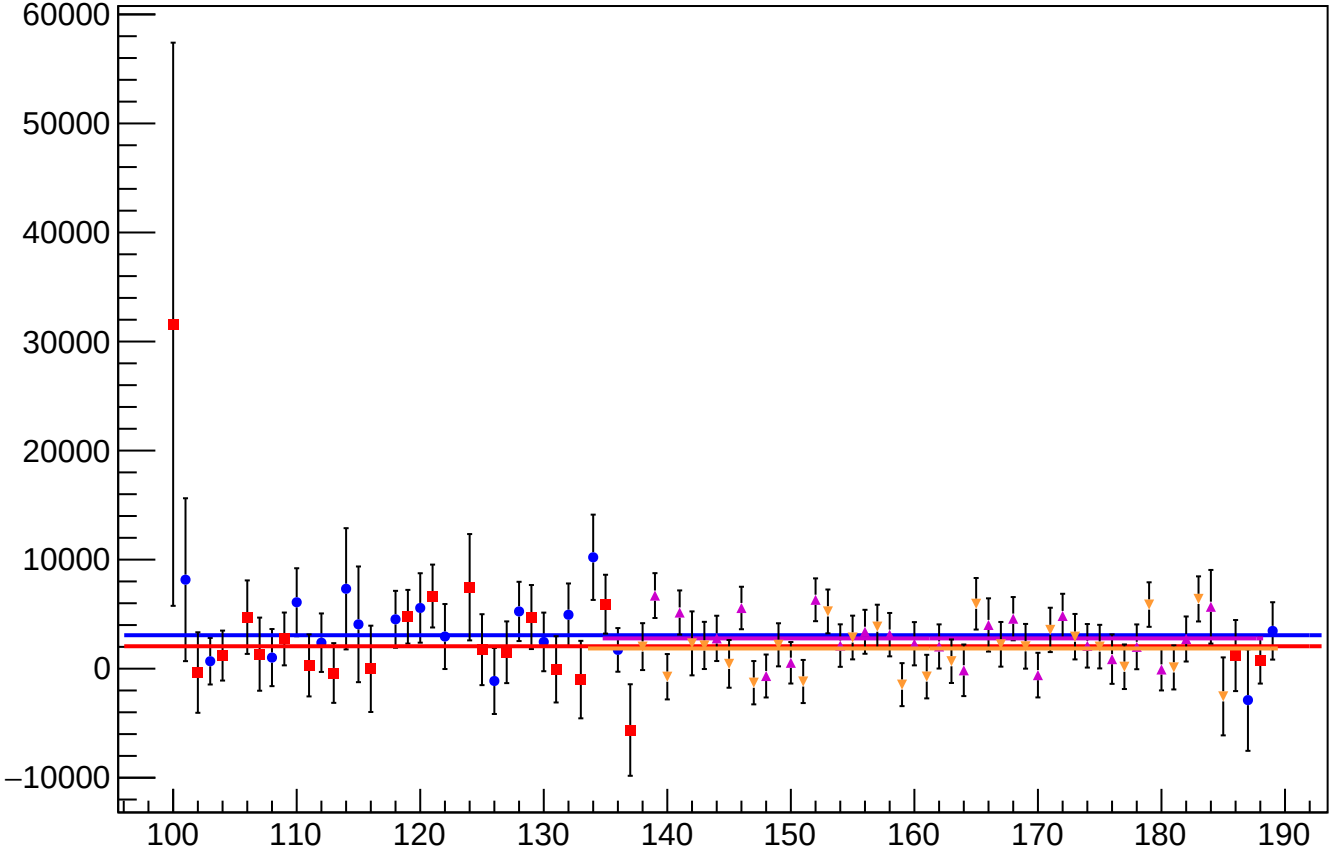
Right: 0.000+/-0.000 χ^2/NDF: 4288172.8/38

In: 0.000+/-0.000 χ^2/NDF:6479636.0/40

Out: 0.000+/-0.000 χ^2/NDF:25717306.6/45

All: 0.000+/-0.000 χ^2/NDF: 45848004.8/86

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3067.415+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2056.353+/-659.750 χ^2/NDF: 17.0/20

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

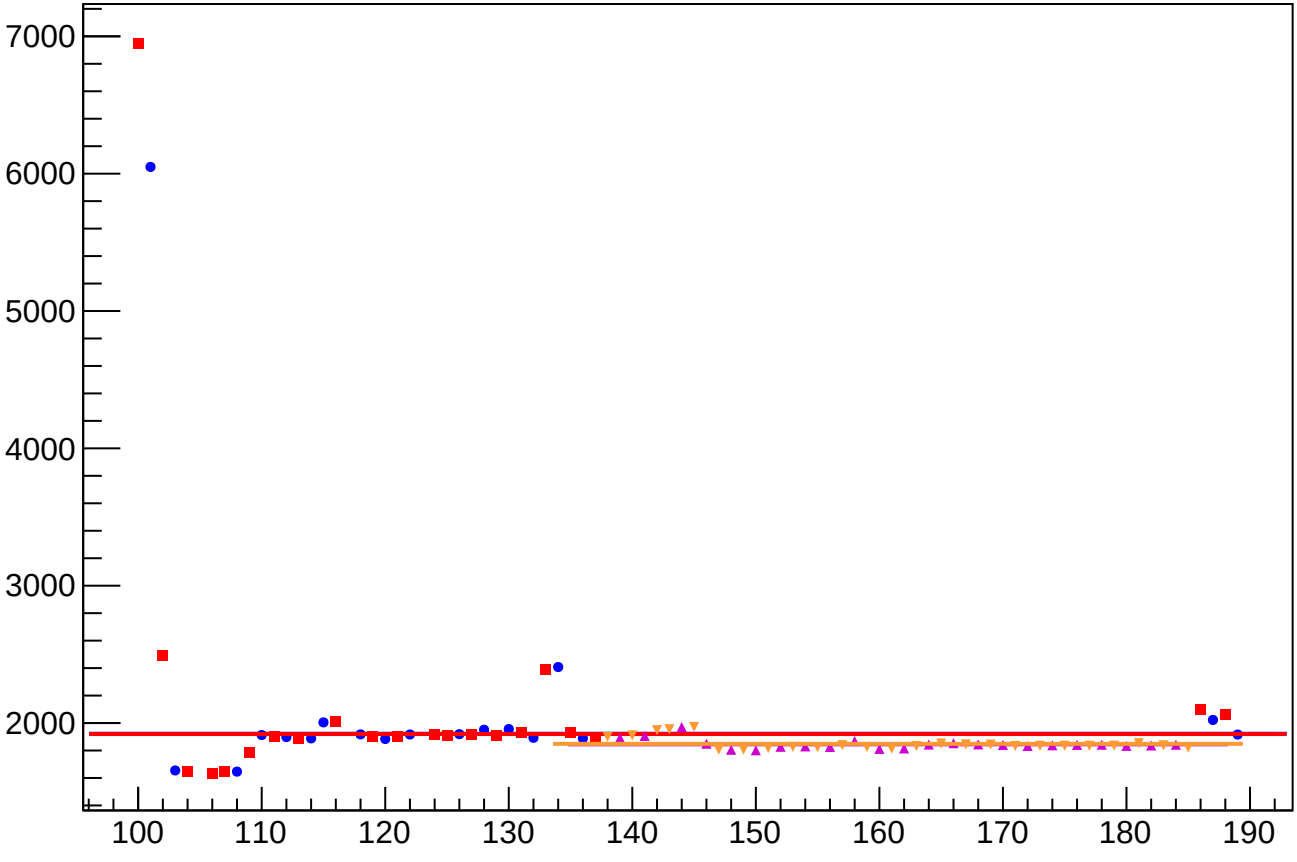
Right: 2534.509+/-478.978 χ^2/NDF: 31.5/38

In: 2856.489+/-366.423 χ^2/NDF:39.0/40

Out: 1910.934+/-354.303 χ^2/NDF:48.6/45

All: 2367.815+/-254.707 χ^2/NDF: 91.0/86

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1921.874+/-0.492 χ^2/NDF: 698293.0/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1919.894+/-0.465 χ^2/NDF: 239806.5/20

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

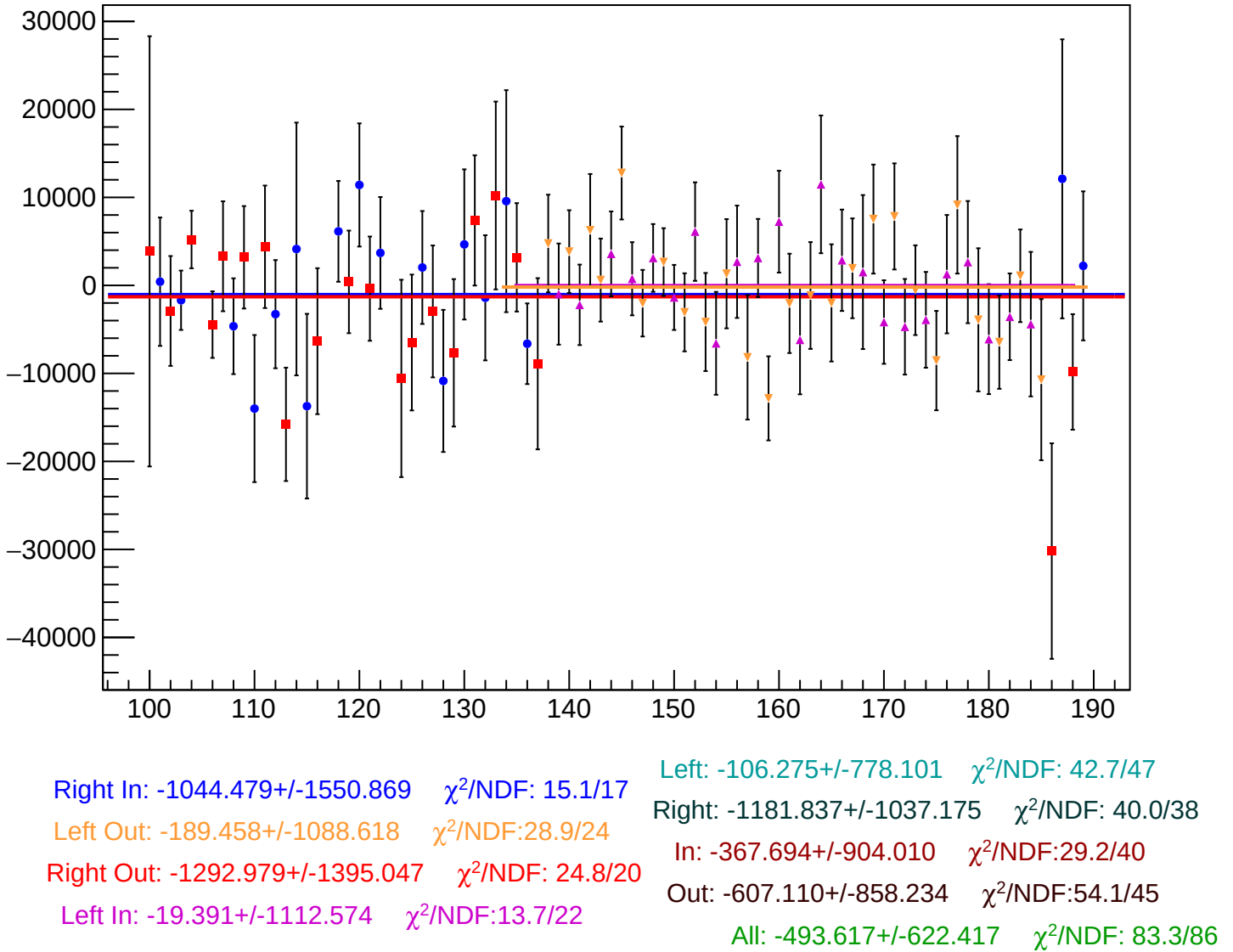
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

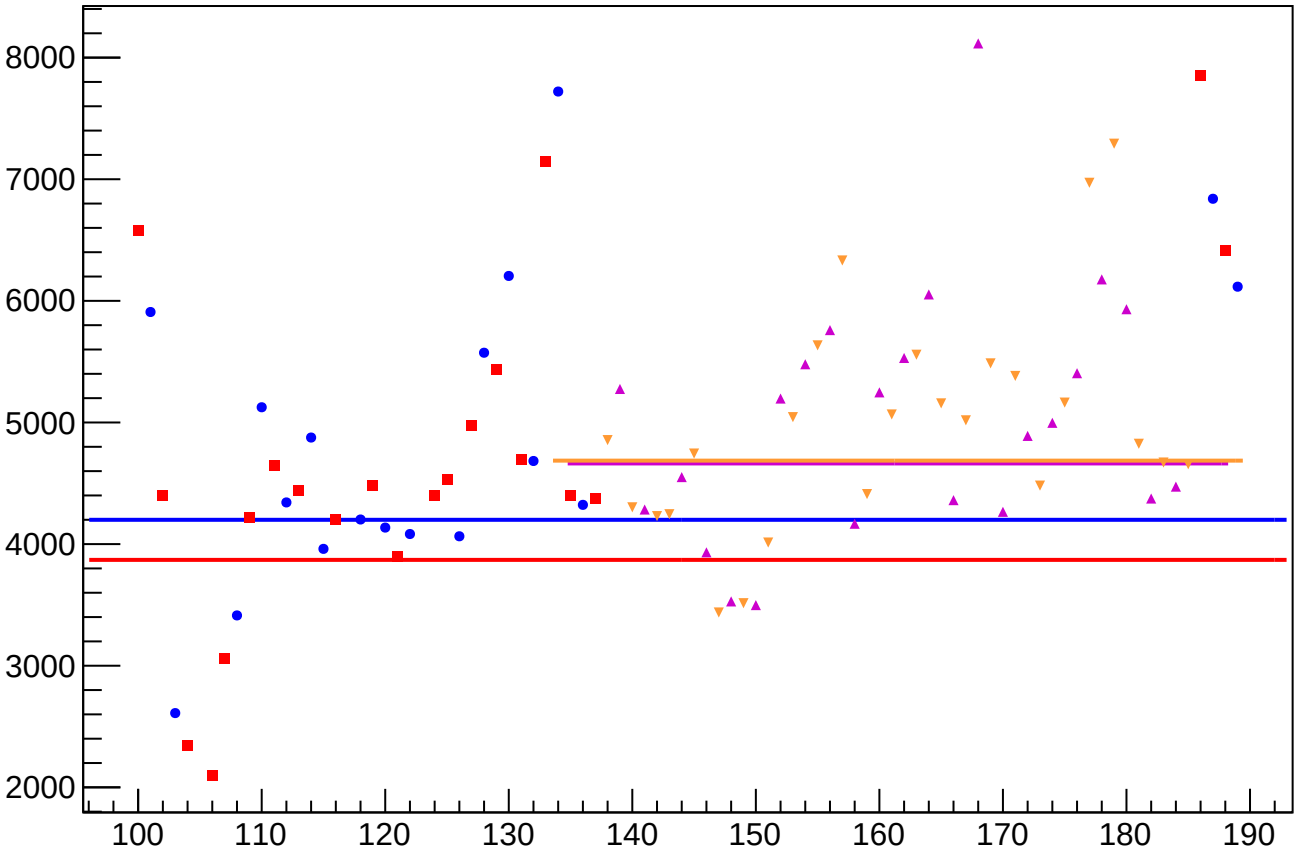
Right: 1920.827+/-0.338 χ^2/NDF: 938108.0/38

In: 1866.321+/-0.259 χ^2/NDF:729911.8/40

Out: 1869.193+/-0.250 χ^2/NDF:277420.0/45

All: 1867.806+/-0.180 χ^2/NDF: 1007395.4/86


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1044.479+/-1550.869 χ²/NDF: 15.1/17
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: -1292.979+/-1395.047 χ²/NDF: 24.8/20
Left In: -19.391+/-1112.574 χ²/NDF:13.7/22
Left: -106.275+/-778.101 χ²/NDF: 42.7/47
Right: -1181.837+/-1037.175 χ²/NDF: 40.0/38
In: -367.694+/-904.010 χ²/NDF:29.2/40
Out: -607.110+/-858.234 χ²/NDF:54.1/45
All: -493.617+/-622.417 χ²/NDF: 83.3/86



Right In: 4199.759+/-1.097 χ^2/NDF: 1121068.6/17

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3870.254+/-0.986 χ^2/NDF: 1899315.5/20

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

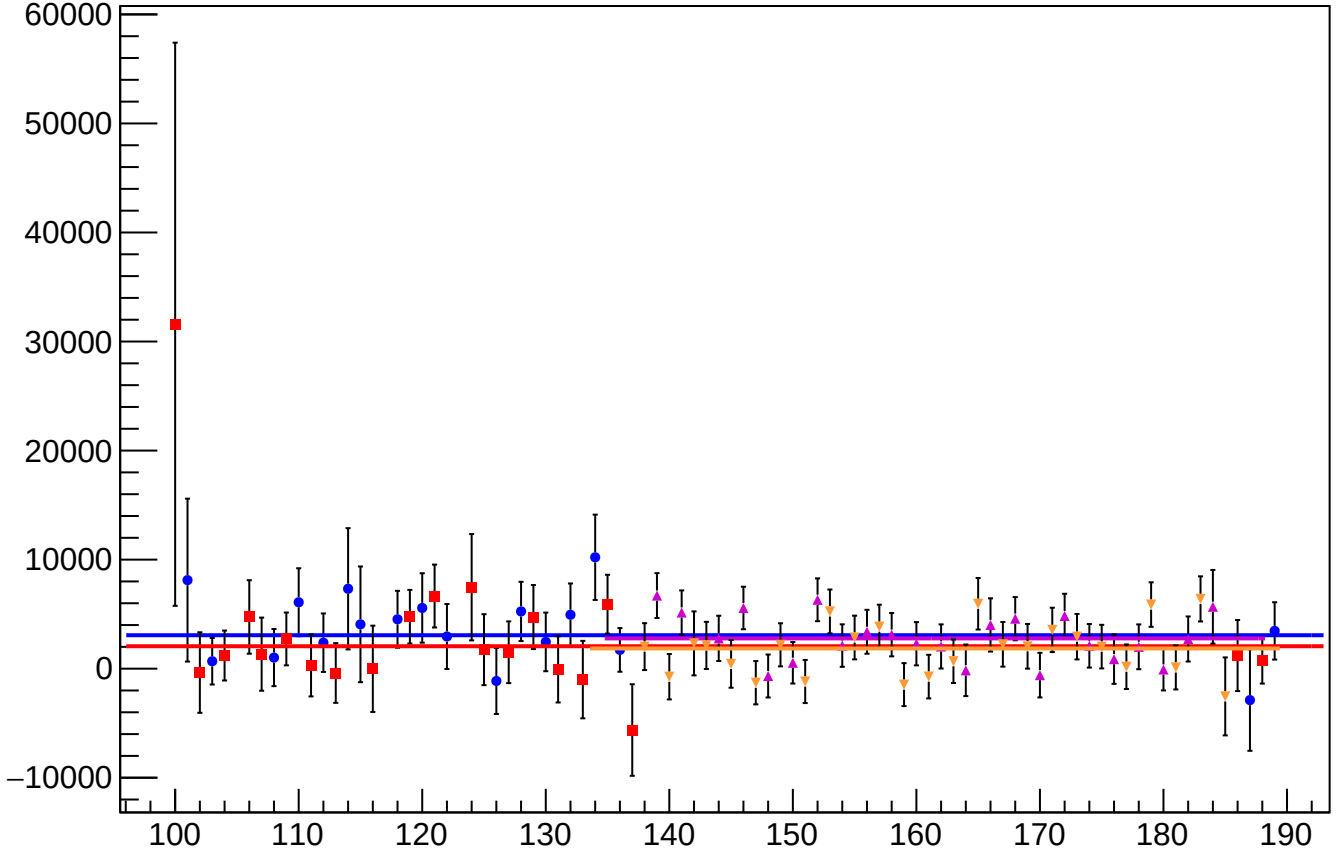
Right: 4017.626+/-0.733 χ^2/NDF: 3070287.3/38

In: 4505.780+/-0.639 χ^2/NDF:2525743.5/40

Out: 4377.482+/-0.607 χ^2/NDF:3509780.1/45

All: 4438.301+/-0.440 χ^2/NDF: 6056710.8/86

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3066.781+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2057.270+/-659.753 χ^2/NDF: 17.0/20

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

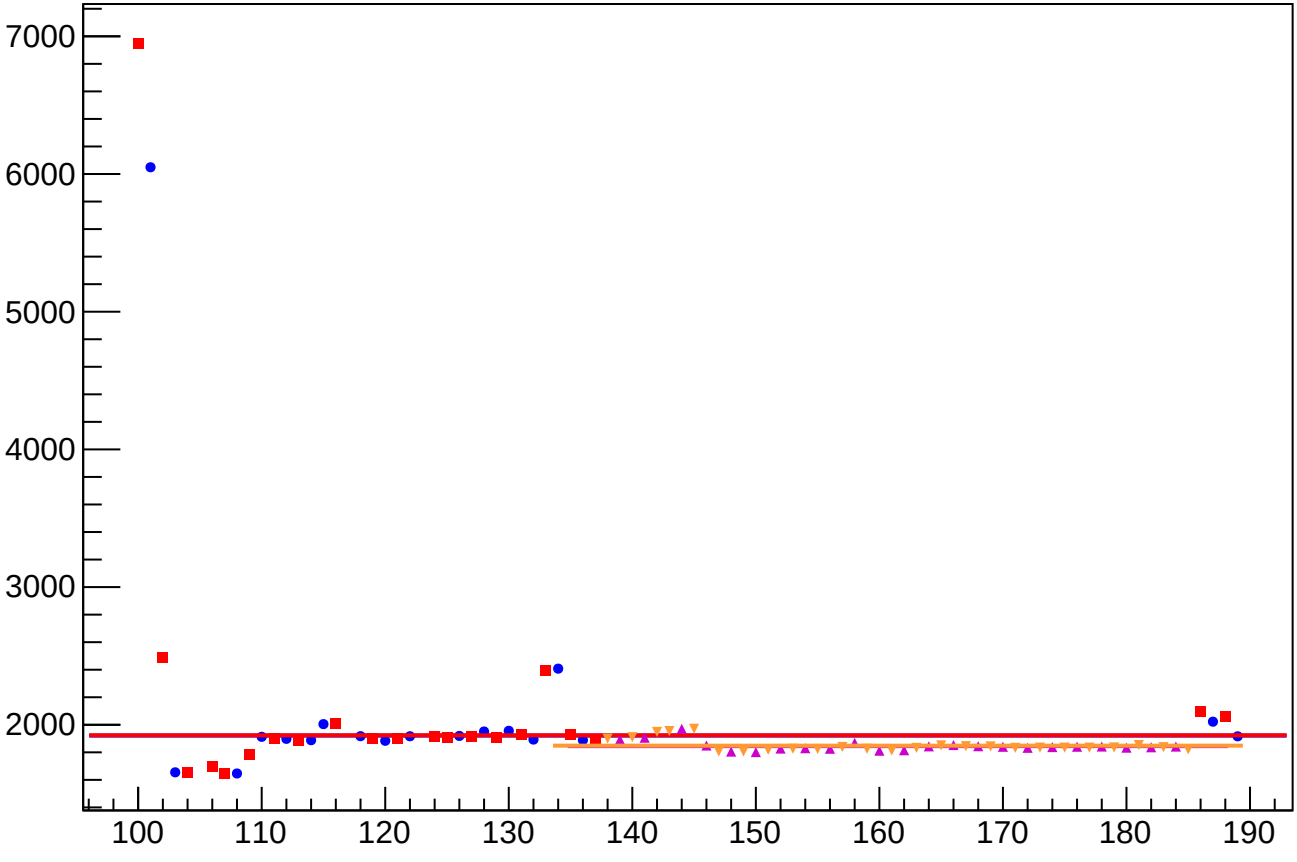
Right: 2534.694+/-478.980 χ^2/NDF: 31.5/38

In: 2856.297+/-366.423 χ^2/NDF:38.9/40

Out: 1911.119+/-354.303 χ^2/NDF:48.6/45

All: 2367.818+/-254.707 χ^2/NDF: 91.0/86

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1921.874+/-0.492 χ^2/NDF: 698292.1/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1923.423+/-0.466 χ^2/NDF: 232404.3/20

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

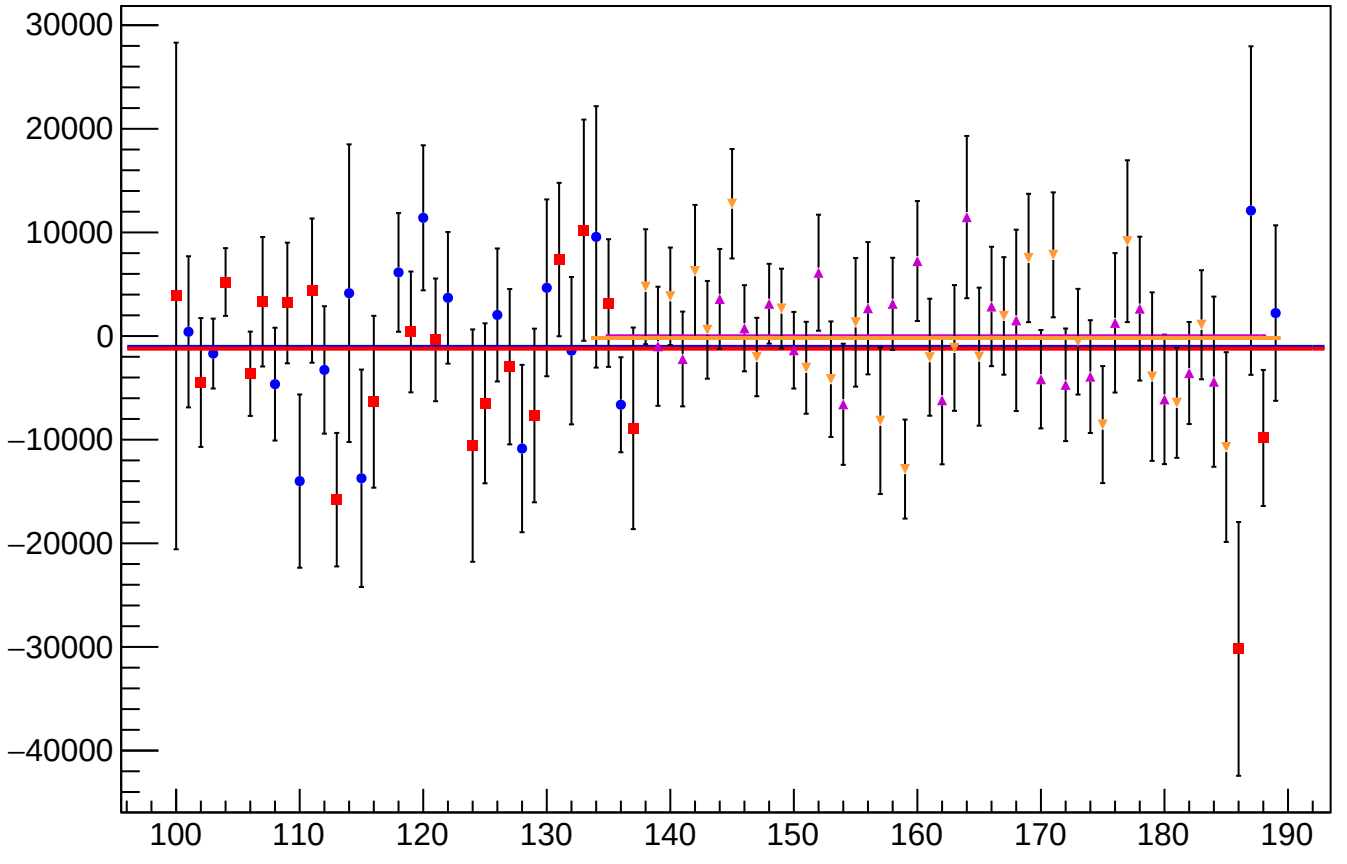
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1922.692+/-0.338 χ^2/NDF: 930701.6/38

In: 1866.321+/-0.259 χ^2/NDF:729911.1/40

Out: 1870.165+/-0.250 χ^2/NDF:271670.0/45

All: 1868.308+/-0.180 χ^2/NDF: 1001694.9/86



Right In: -1044.824+/-1550.872 χ^2/NDF: 15.1/17

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1216.136+/-1407.892 χ^2/NDF: 24.7/20

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

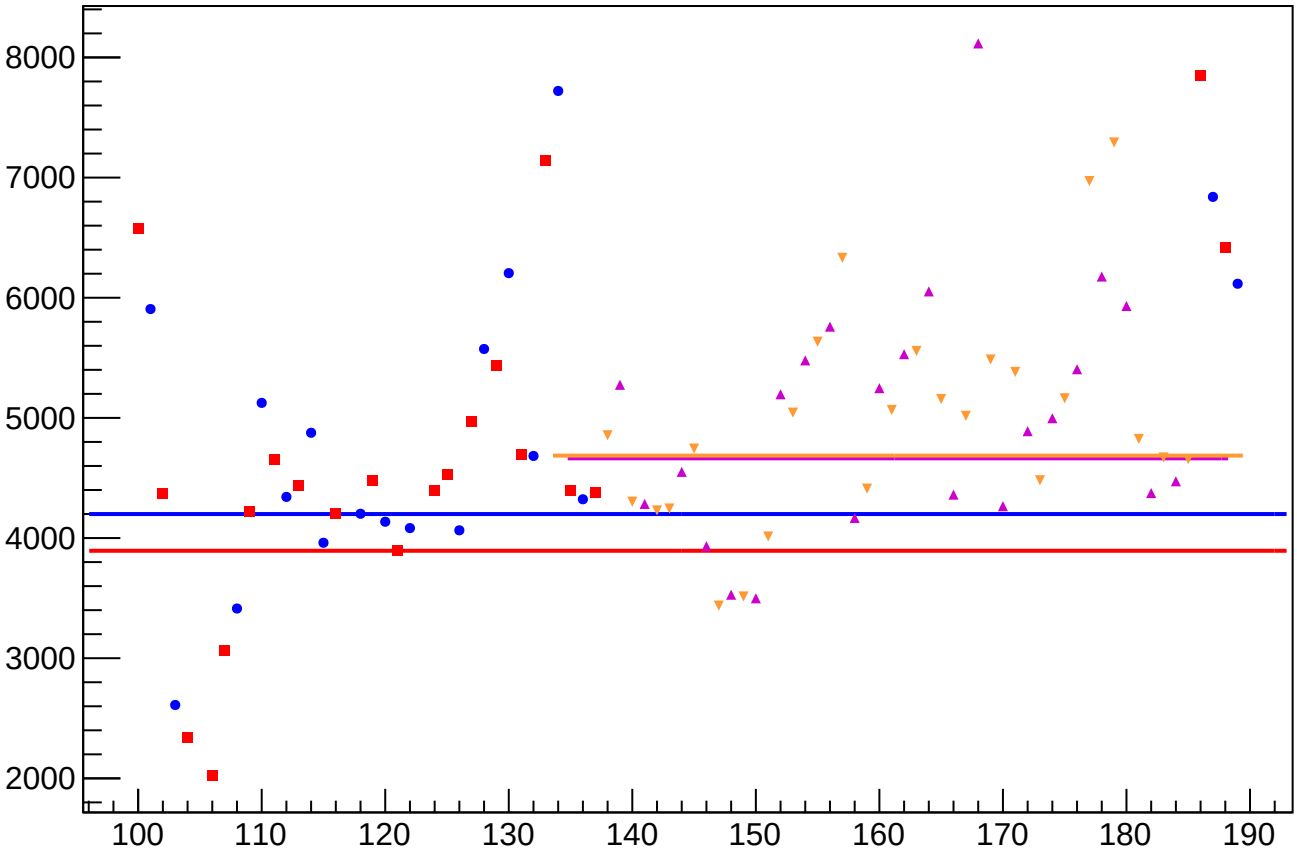
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1138.739+/-1042.422 χ^2/NDF: 39.8/38

In: -367.838+/-904.011 χ^2/NDF:29.2/40

Out: -573.628+/-861.199 χ^2/NDF:53.9/45

All: -475.721+/-623.546 χ^2/NDF: 83.1/86



Right In: 4199.848+/-1.097 χ^2/NDF: 1120556.7/17

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3894.166+/-0.996 χ^2/NDF: 1869698.4/20

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

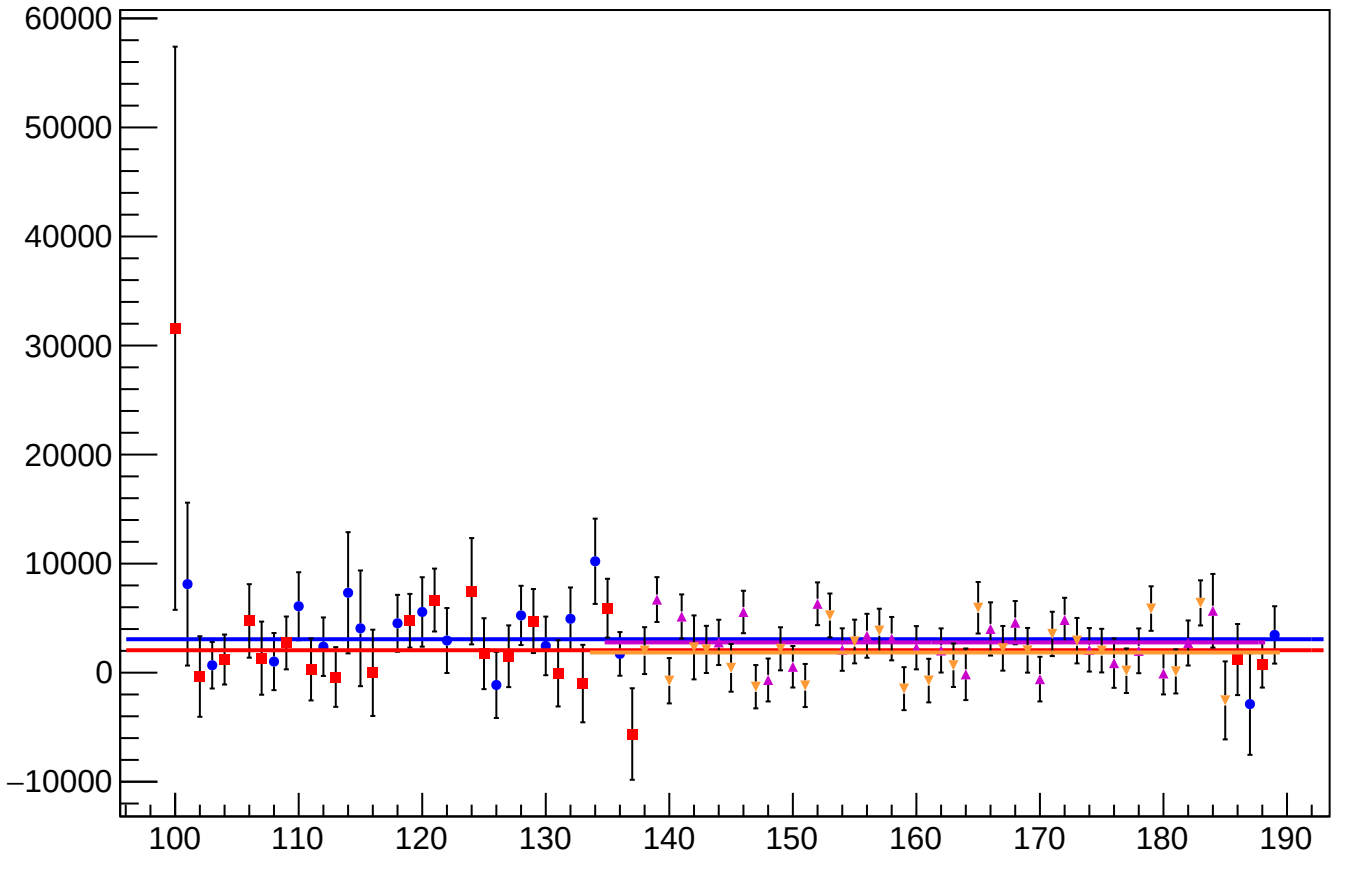
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4032.269+/-0.737 χ^2/NDF: 3032850.9/38

In: 4505.812+/-0.639 χ^2/NDF:2525183.2/40

Out: 4389.936+/-0.609 χ^2/NDF:3451061.6/45

All: 4445.065+/-0.441 χ^2/NDF: 5993471.1/86



Right In: 3066.781+/-696.498 χ^2/NDF: 13.4/17

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2057.270+/-659.753 χ^2/NDF: 17.0/20

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

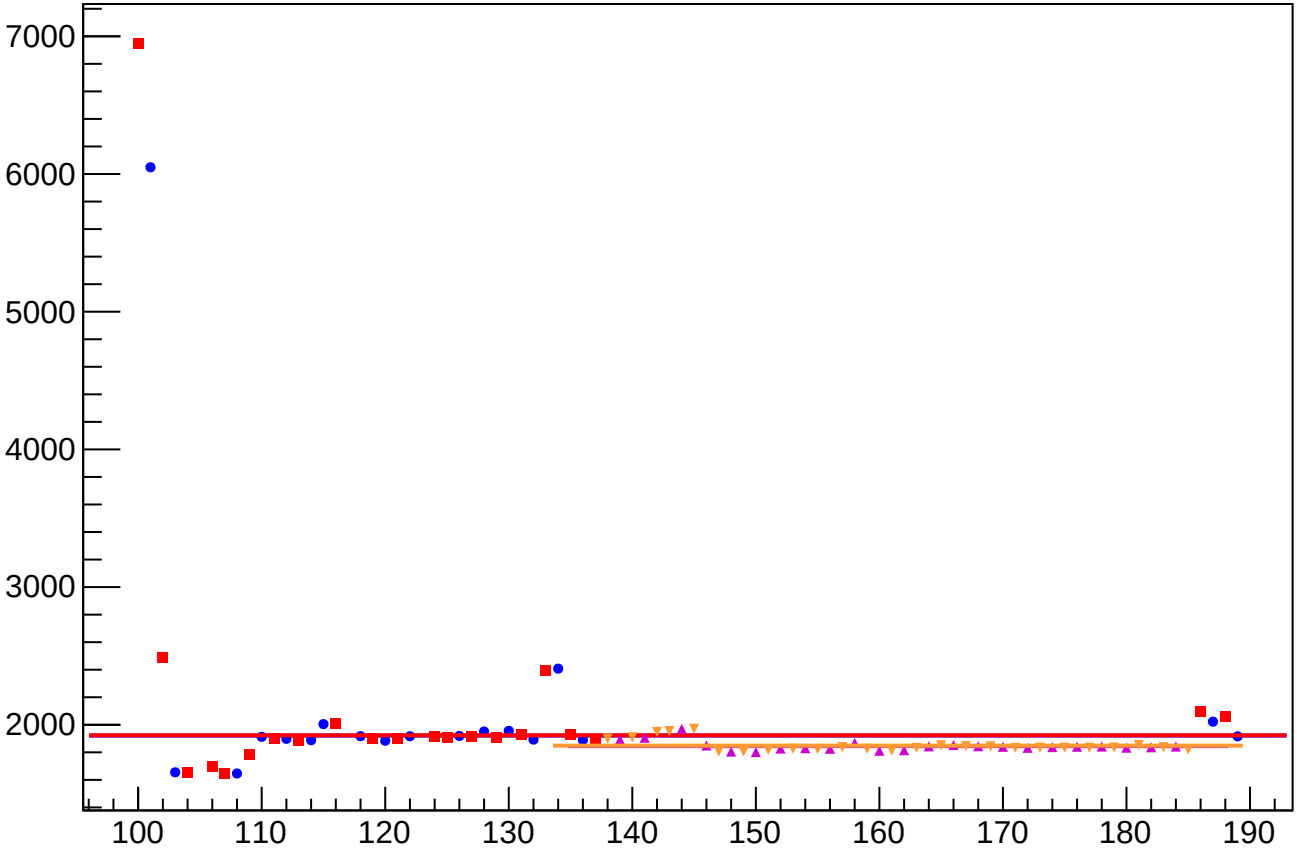
Right: 2534.694+/-478.980 χ^2/NDF: 31.5/38

In: 2856.297+/-366.423 χ^2/NDF:38.9/40

Out: 1911.119+/-354.303 χ^2/NDF:48.6/45

All: 2367.818+/-254.707 χ^2/NDF: 91.0/86

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1921.874+/-0.492 χ^2/NDF: 698292.1/17

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1923.423+/-0.466 χ^2/NDF: 232404.3/20

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

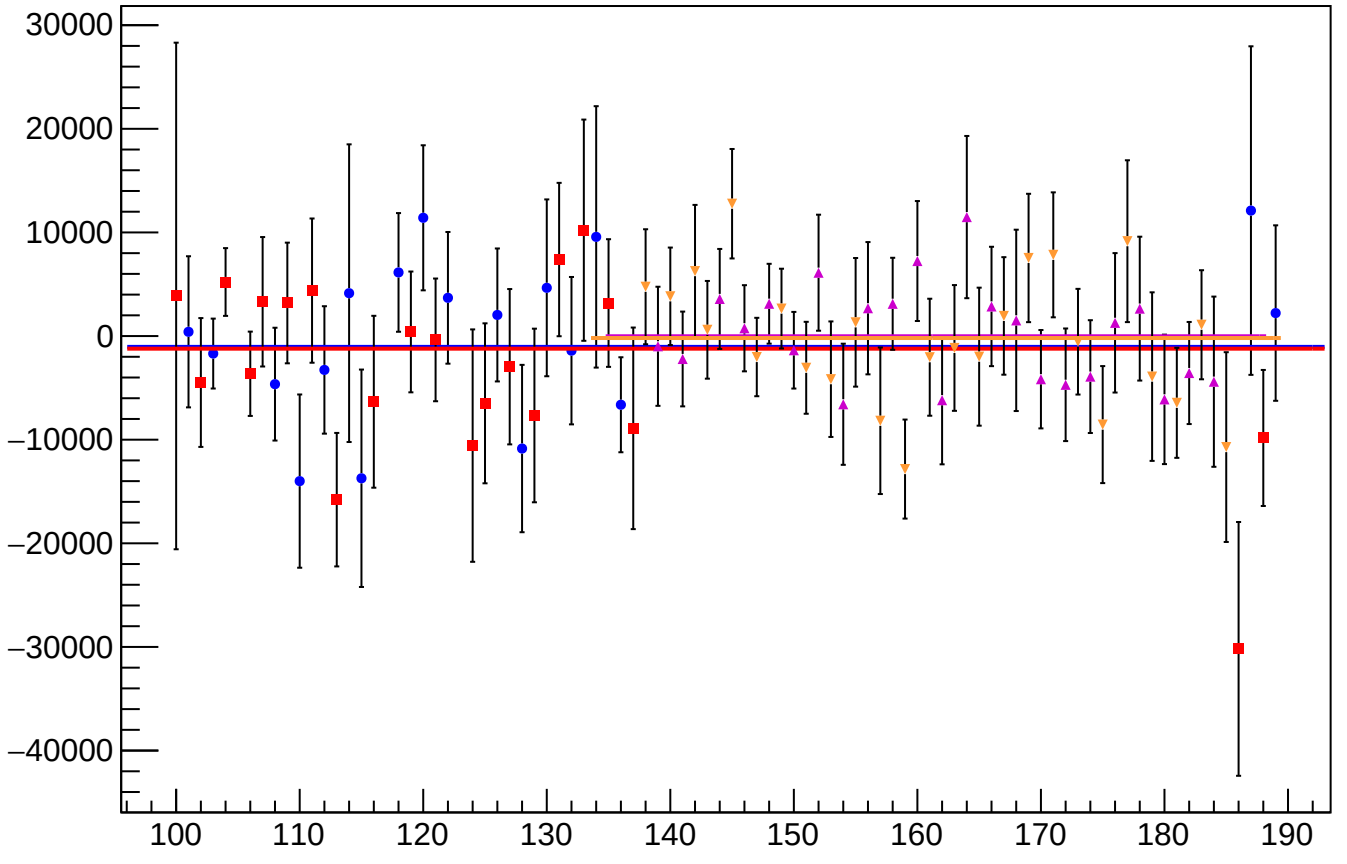
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1922.692+/-0.338 χ^2/NDF: 930701.6/38

In: 1866.321+/-0.259 χ^2/NDF:729911.1/40

Out: 1870.165+/-0.250 χ^2/NDF:271670.0/45

All: 1868.308+/-0.180 χ^2/NDF: 1001694.9/86



Right In: -1044.824+/-1550.872 χ^2/NDF: 15.1/17

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1216.136+/-1407.892 χ^2/NDF: 24.7/20

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

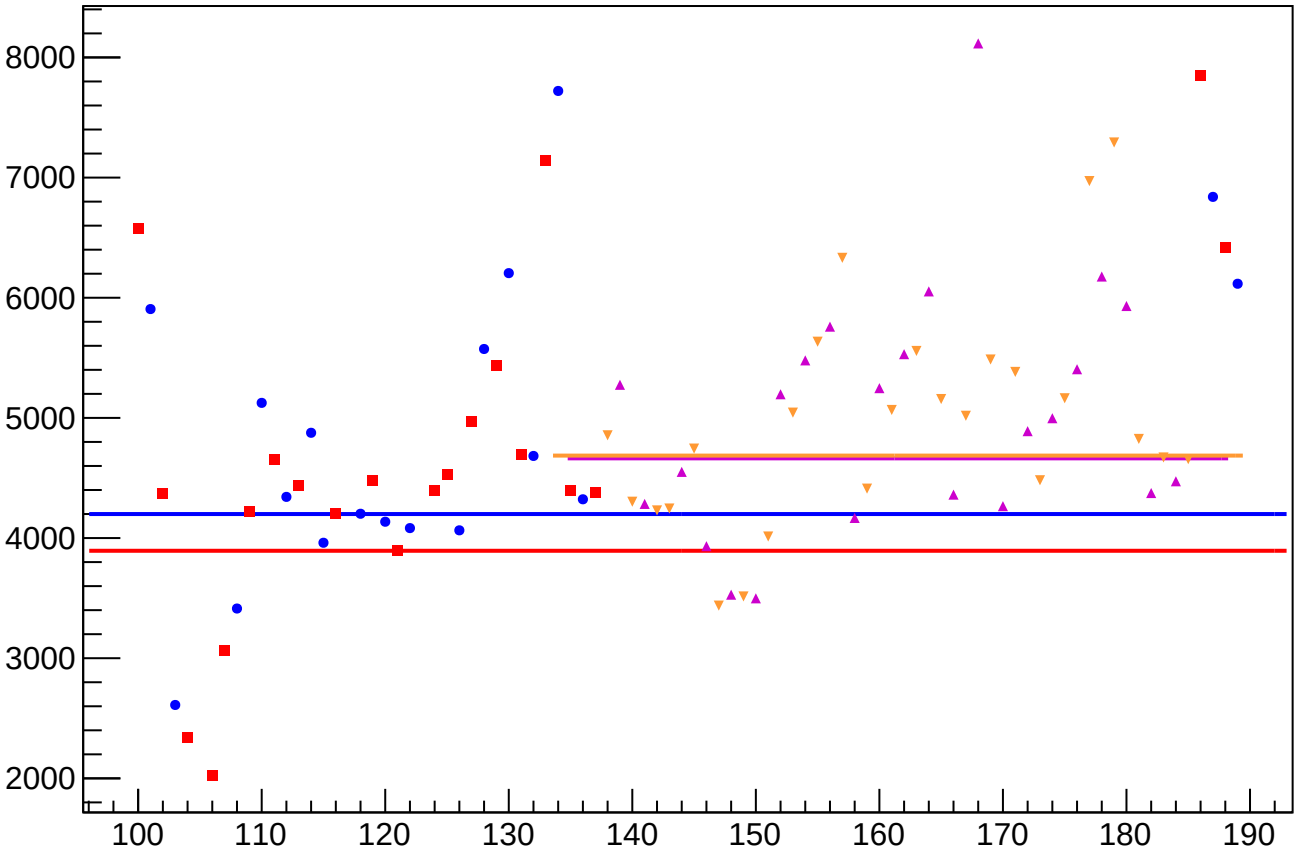
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1138.739+/-1042.422 χ^2/NDF: 39.8/38

In: -367.838+/-904.011 χ^2/NDF:29.2/40

Out: -573.628+/-861.199 χ^2/NDF:53.9/45

All: -475.721+/-623.546 χ^2/NDF: 83.1/86



Right In: 4199.848+/-1.097 χ^2/NDF: 1120556.7/17

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3894.166+/-0.996 χ^2/NDF: 1869698.4/20

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

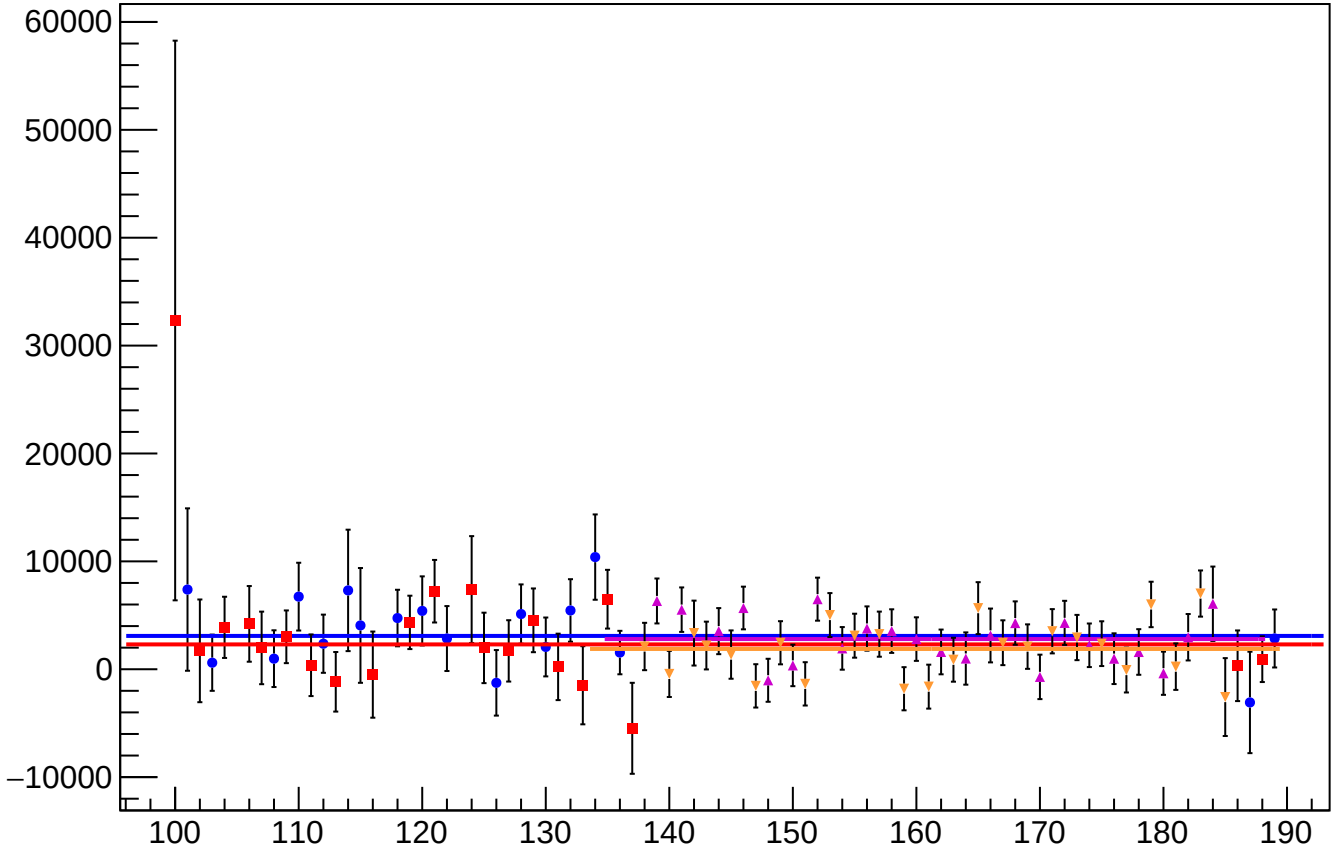
Right: 4032.269+/-0.737 χ^2/NDF: 3032850.9/38

In: 4505.812+/-0.639 χ^2/NDF:2525183.2/40

Out: 4389.936+/-0.609 χ^2/NDF:3451061.6/45

All: 4445.065+/-0.441 χ^2/NDF: 5993471.1/86

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3088.915+/-714.777 χ^2/NDF: 13.9/17

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2302.374+/-679.234 χ^2/NDF: 17.9/20

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

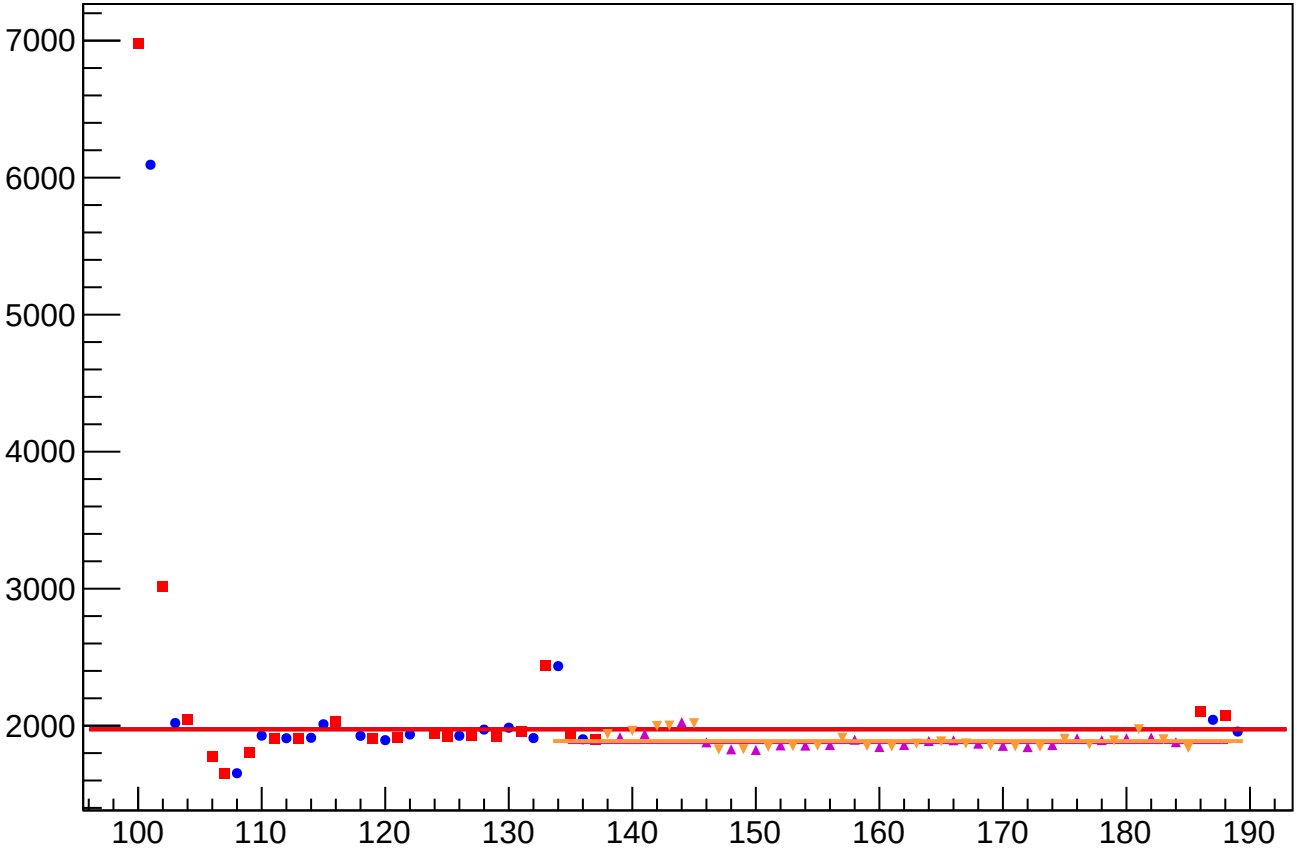
Right: 2675.603+/-492.377 χ^2/NDF: 32.5/38

In: 2878.058+/-374.224 χ^2/NDF:39.5/40

Out: 2001.098+/-362.700 χ^2/NDF:51.2/45

All: 2425.868+/-260.447 χ^2/NDF: 93.5/86

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1974.172+/-0.505 χ^2/NDF: 665632.7/17

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1973.091+/-0.480 χ^2/NDF: 255314.8/20

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

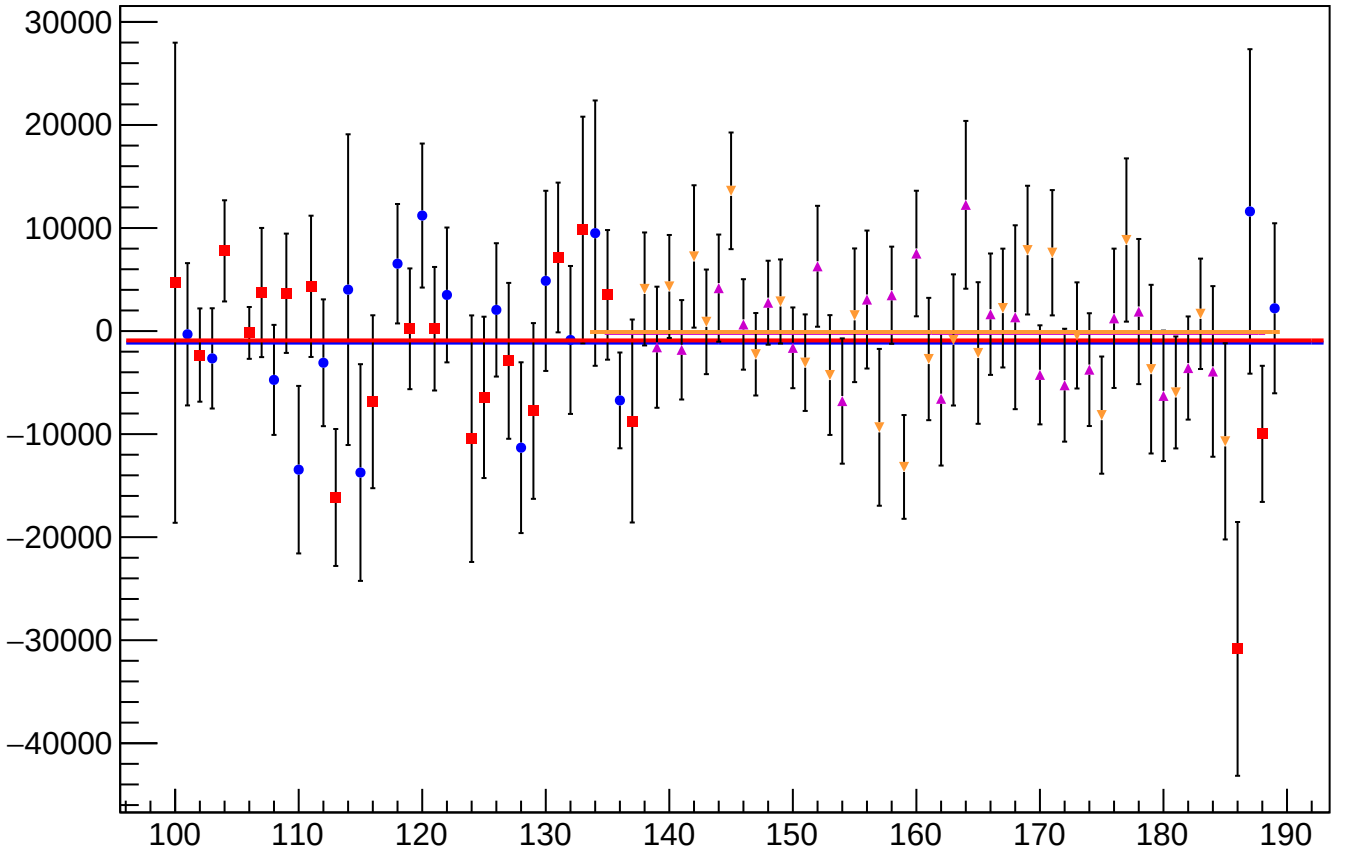
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1973.603+/-0.348 χ^2/NDF: 920949.9/38

In: 1906.231+/-0.265 χ^2/NDF:709563.7/40

Out: 1911.964+/-0.256 χ^2/NDF:309973.1/45

All: 1909.188+/-0.184 χ^2/NDF: 1019778.9/86



Right In: -1120.884+/-1646.535 χ^2/NDF: 15.1/17

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: -908.674+/-1327.700 χ^2/NDF: 23.9/20

Left In: -177.137+/-1156.061 χ^2/NDF:13.5/22

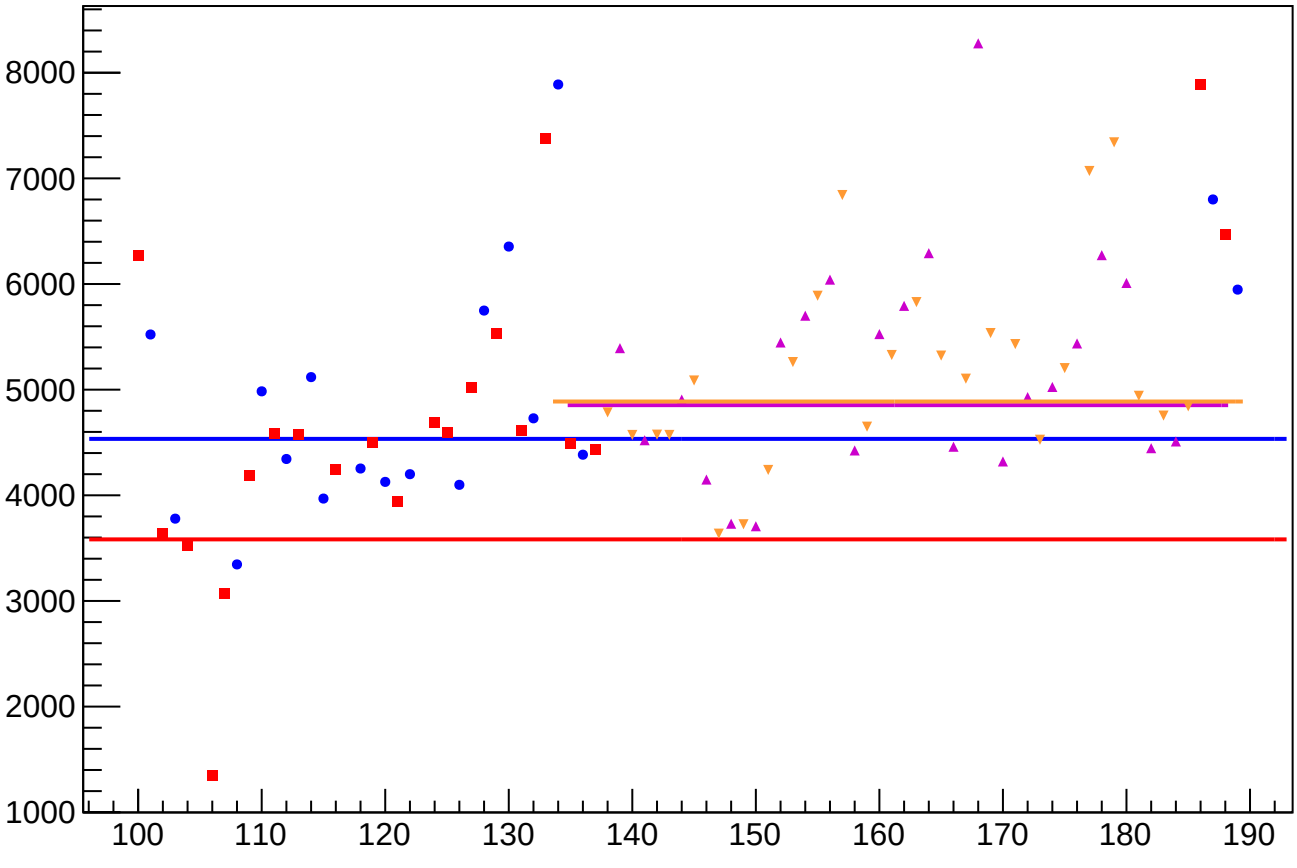
Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

Right: -992.289+/-1033.545 χ^2/NDF: 39.0/38

In: -488.756+/-946.140 χ^2/NDF:28.8/40

Out: -436.139+/-861.951 χ^2/NDF:52.2/45

All: -460.003+/-637.180 χ^2/NDF: 81.1/86



Right In: 4534.098+/-1.164 χ^2/NDF: 599801.4/17

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 3582.804+/-0.939 χ^2/NDF: 2984827.9/20

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

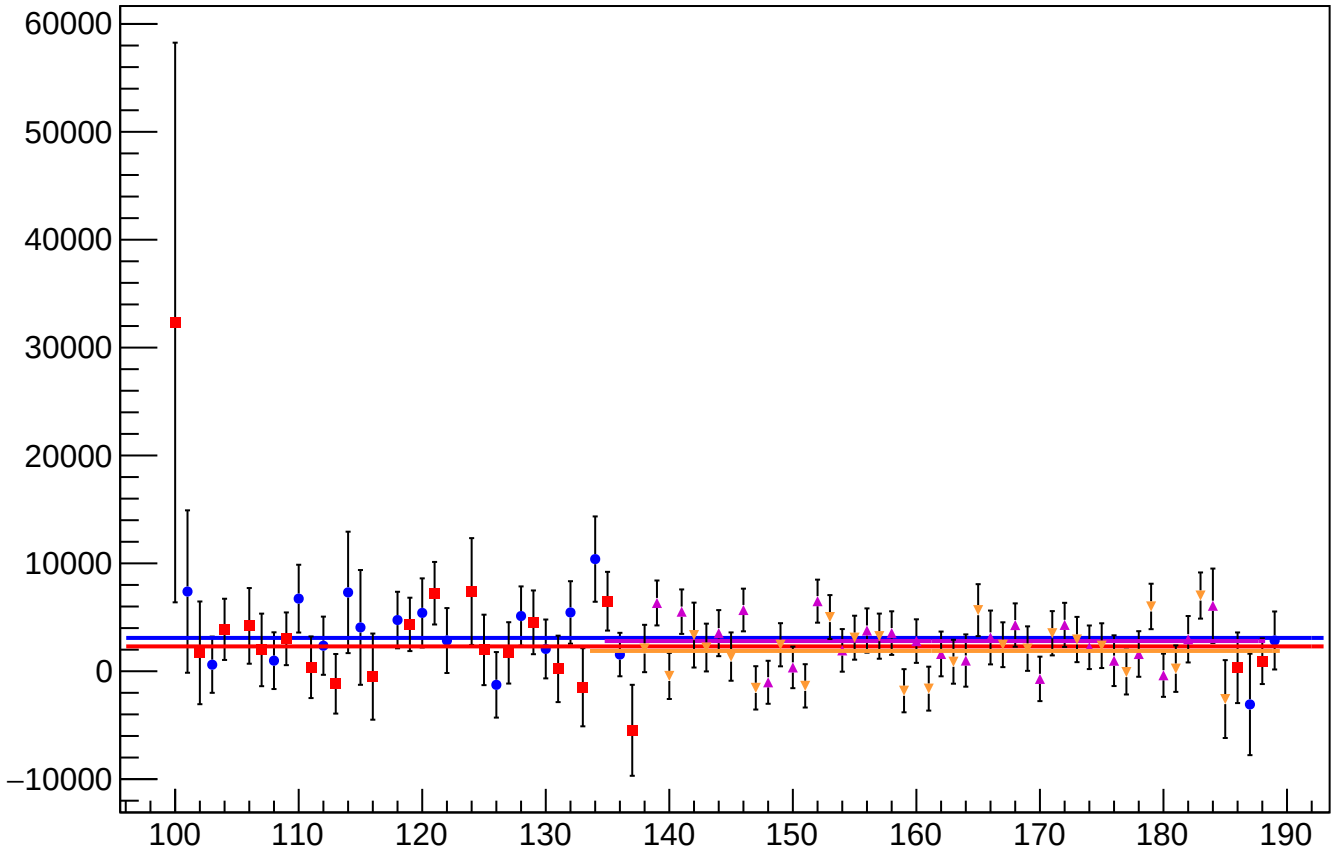
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 3957.632+/-0.731 χ^2/NDF: 3989183.8/38

In: 4747.944+/-0.669 χ^2/NDF:1828804.5/40

Out: 4337.798+/-0.609 χ^2/NDF:5165994.1/45

All: 4523.815+/-0.451 χ^2/NDF: 7200177.6/86



Right In: 3088.920+/-714.777 χ^2/NDF: 13.9/17

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2302.378+/-679.234 χ^2/NDF: 17.9/20

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

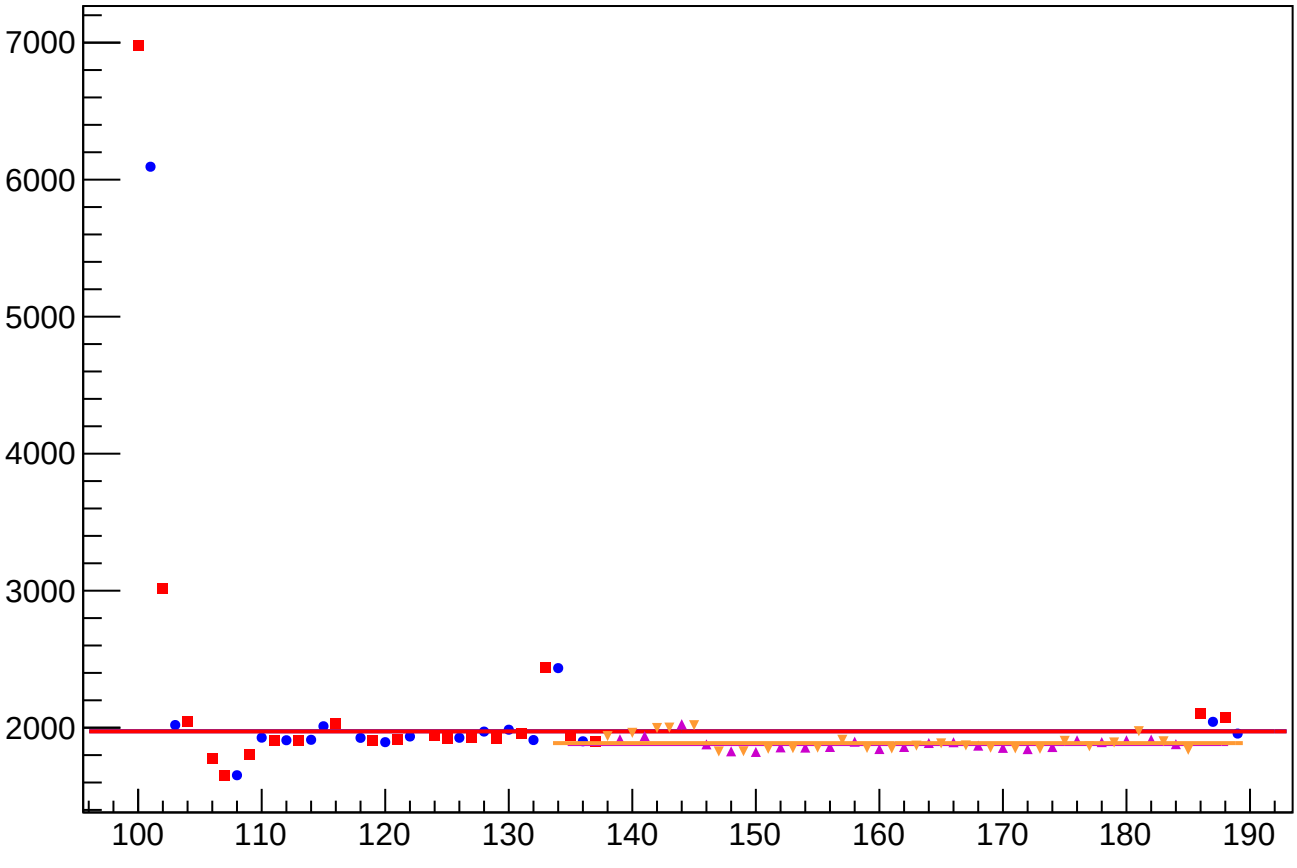
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2675.607+/-492.377 χ^2/NDF: 32.5/38

In: 2878.059+/-374.224 χ^2/NDF:39.5/40

Out: 2001.096+/-362.701 χ^2/NDF:51.2/45

All: 2425.867+/-260.447 χ^2/NDF: 93.5/86



Right In: 1974.172+/-0.505 χ^2/NDF: 665632.7/17

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1973.091+/-0.480 χ^2/NDF: 255314.3/20

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

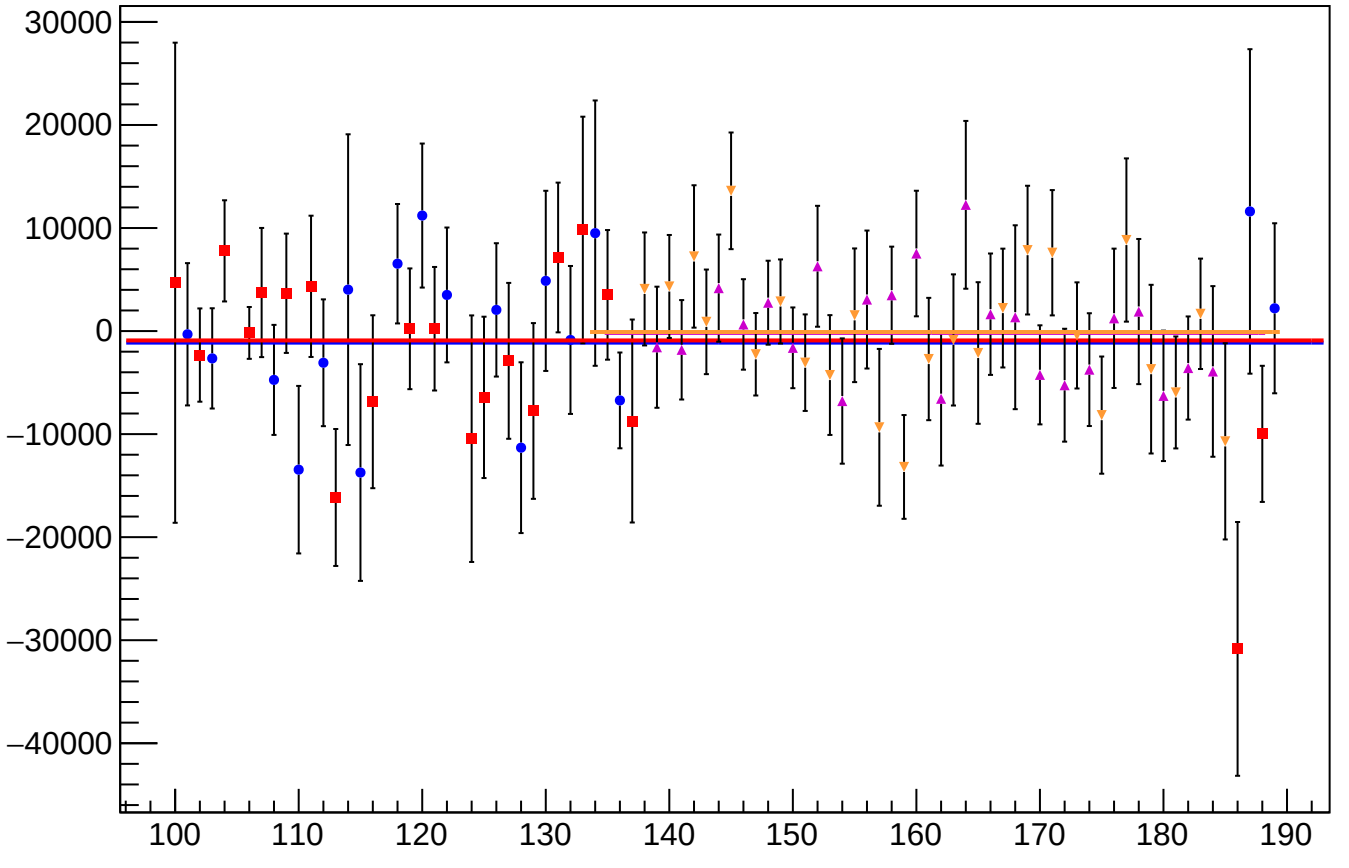
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1973.603+/-0.348 χ^2/NDF: 920949.4/38

In: 1906.231+/-0.265 χ^2/NDF:709563.1/40

Out: 1911.964+/-0.256 χ^2/NDF:309972.1/45

All: 1909.188+/-0.184 χ^2/NDF: 1019777.3/86



Right In: -1120.867+/-1646.533 χ^2/NDF: 15.1/17

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -908.672+/-1327.698 χ^2/NDF: 23.9/20

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

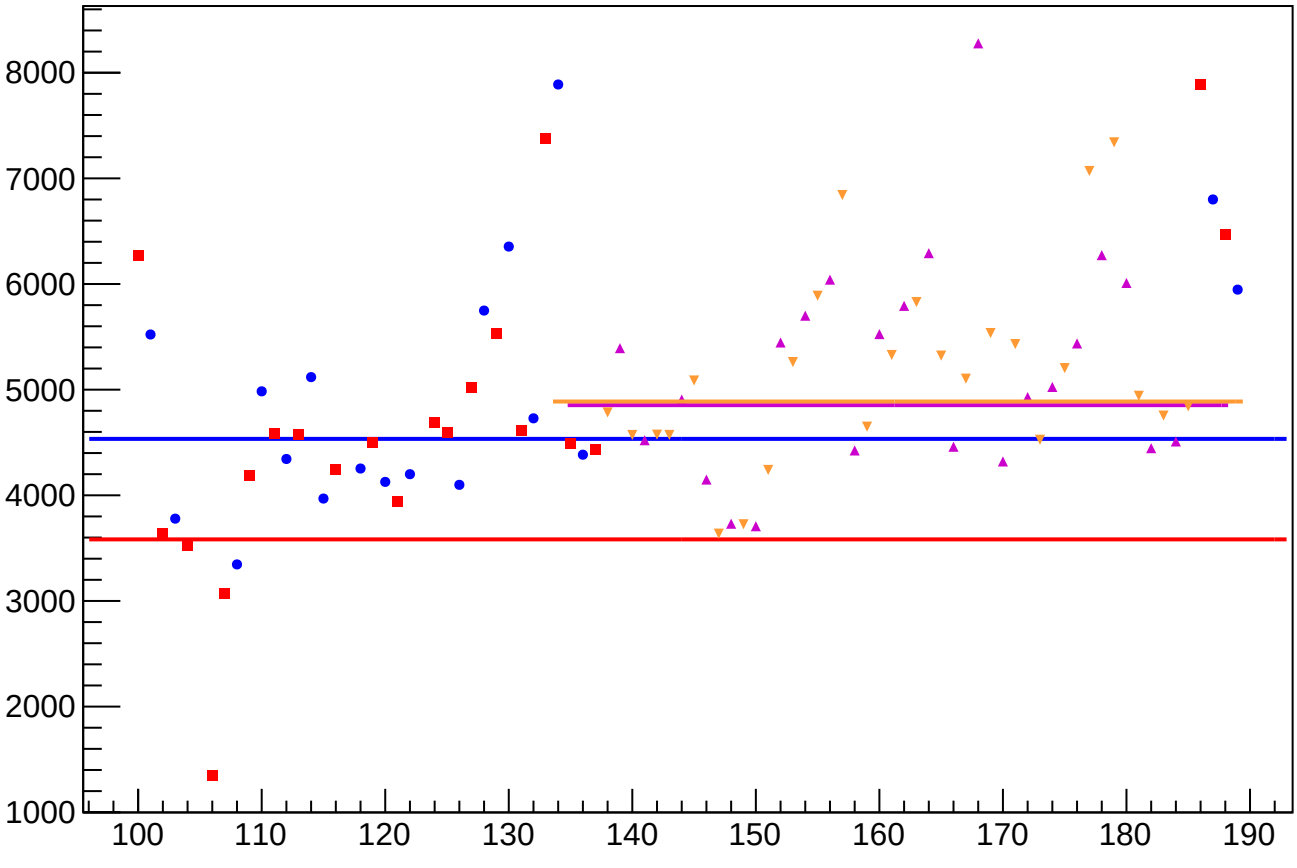
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -992.281+/-1033.544 χ^2/NDF: 39.0/38

In: -488.753+/-946.140 χ^2/NDF:28.8/40

Out: -436.141+/-861.951 χ^2/NDF:52.2/45

All: -460.003+/-637.181 χ^2/NDF: 81.1/86



Right In: 4534.092+/-1.164 χ^2/NDF: 599800.8/17

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3582.795+/-0.939 χ^2/NDF: 2984836.1/20

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

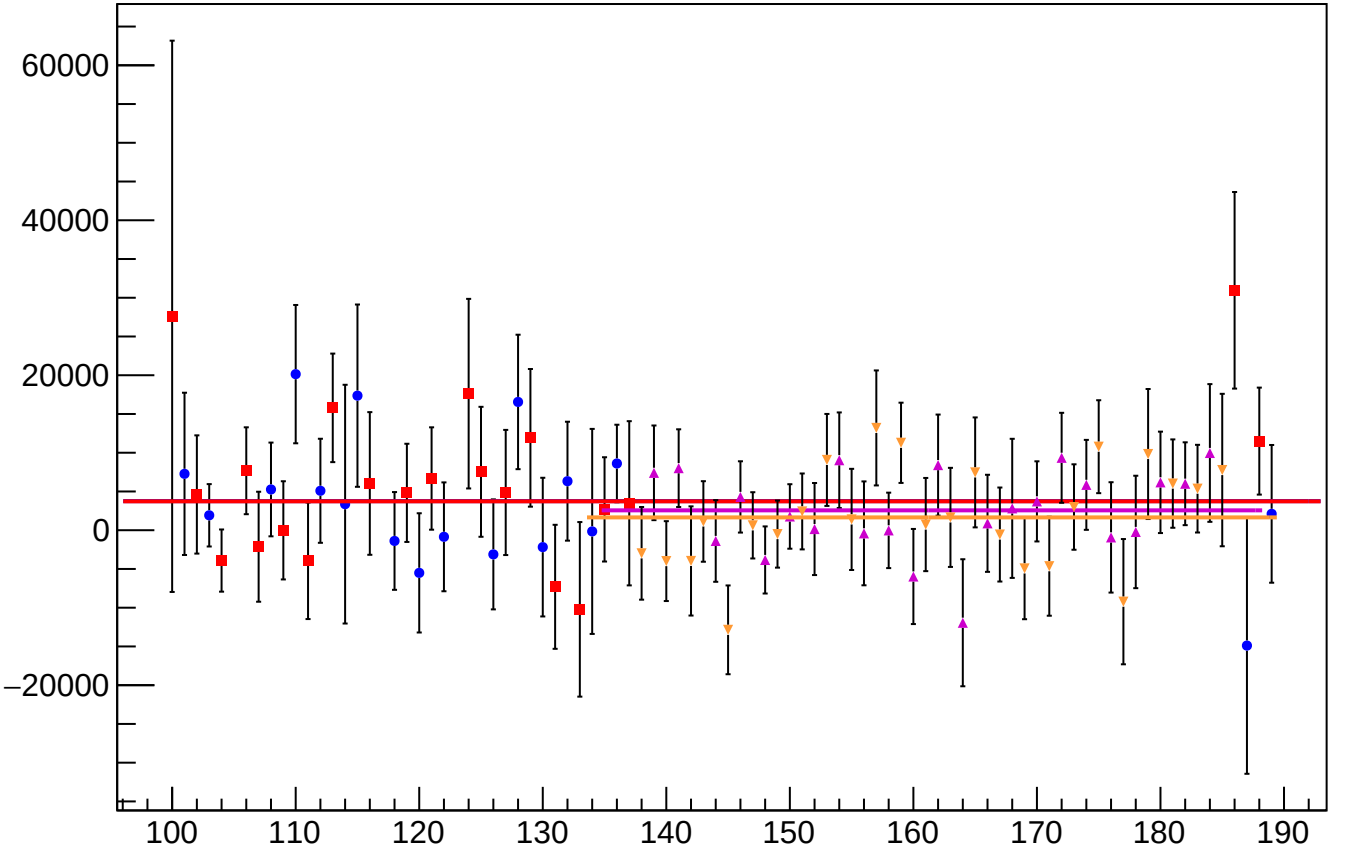
Right: 3957.624+/-0.731 χ^2/NDF: 3989194.2/38

In: 4747.946+/-0.669 χ^2/NDF:1828810.9/40

Out: 4337.797+/-0.609 χ^2/NDF:5166032.6/45

All: 4523.815+/-0.451 χ^2/NDF: 7200225.9/86

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3752.379+/-1737.592 χ^2/NDF: 13.7/17

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 3729.268+/-1611.739 χ^2/NDF: 21.6/20

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

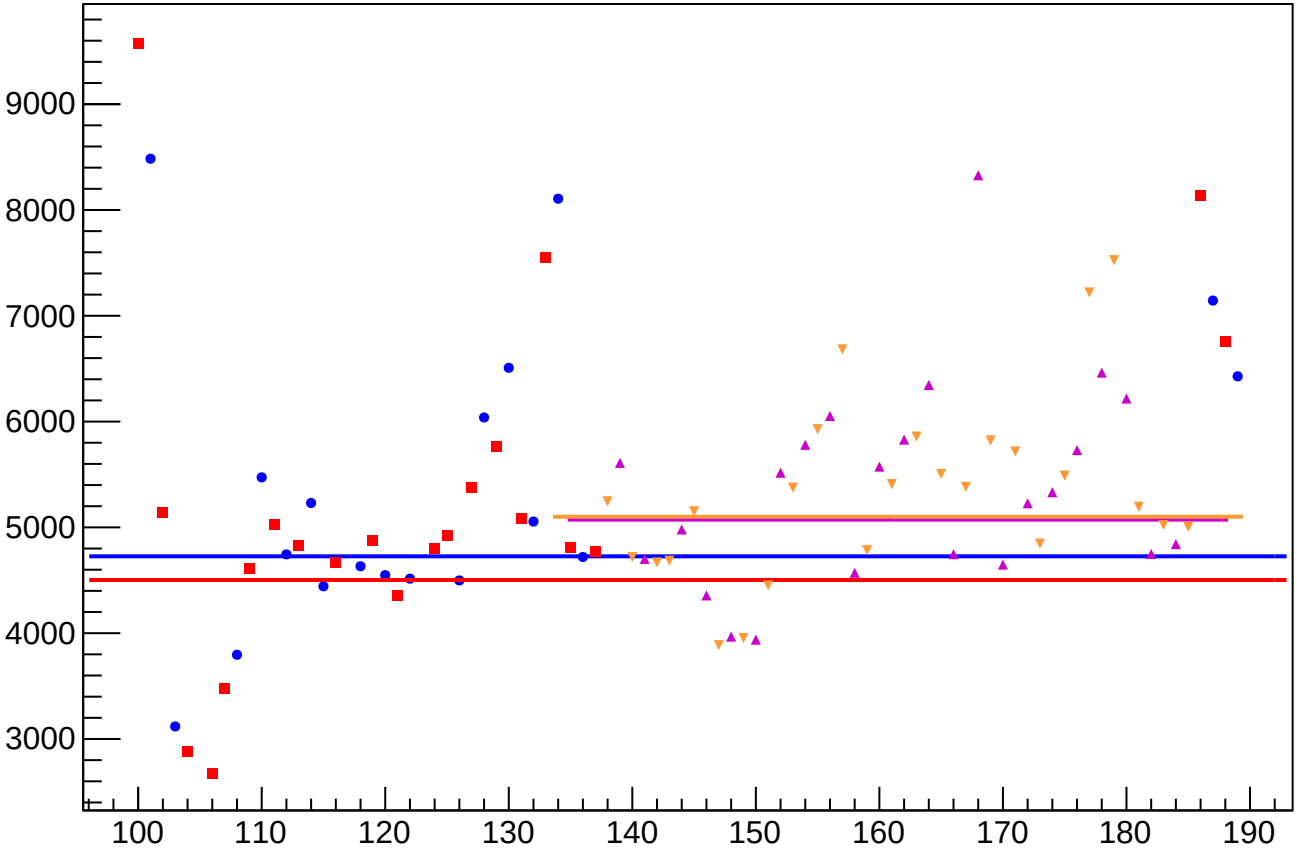
Right: 3739.956+/-1181.662 χ^2/NDF: 35.3/38

In: 2949.416+/-989.889 χ^2/NDF:29.9/40

Out: 2377.516+/-951.396 χ^2/NDF:48.7/45

All: 2652.131+/-685.943 χ^2/NDF: 78.8/86

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4726.407+/-1.229 χ^2/NDF: 1022084.5/17

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4502.879+/-1.130 χ^2/NDF: 1307808.1/20

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

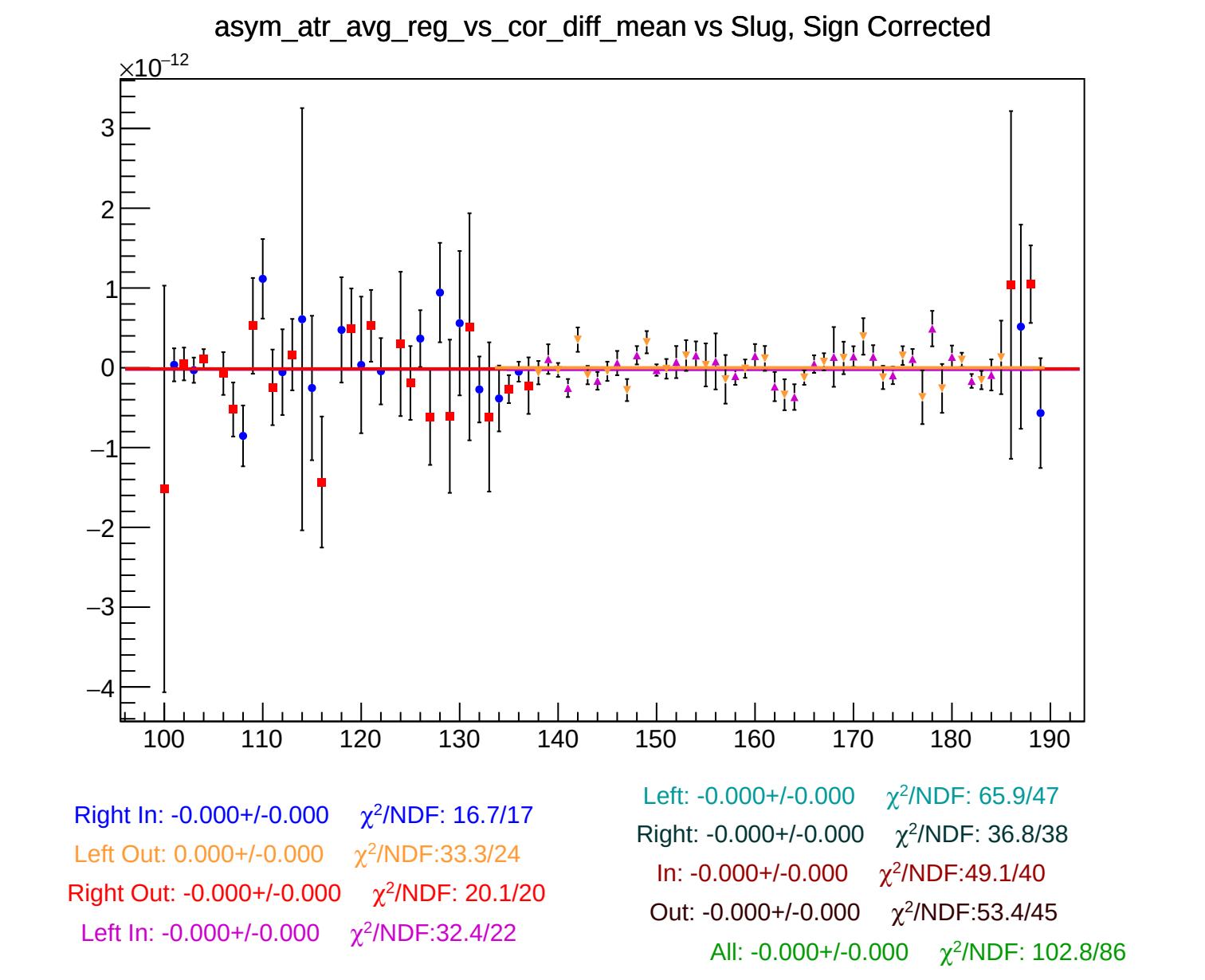
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

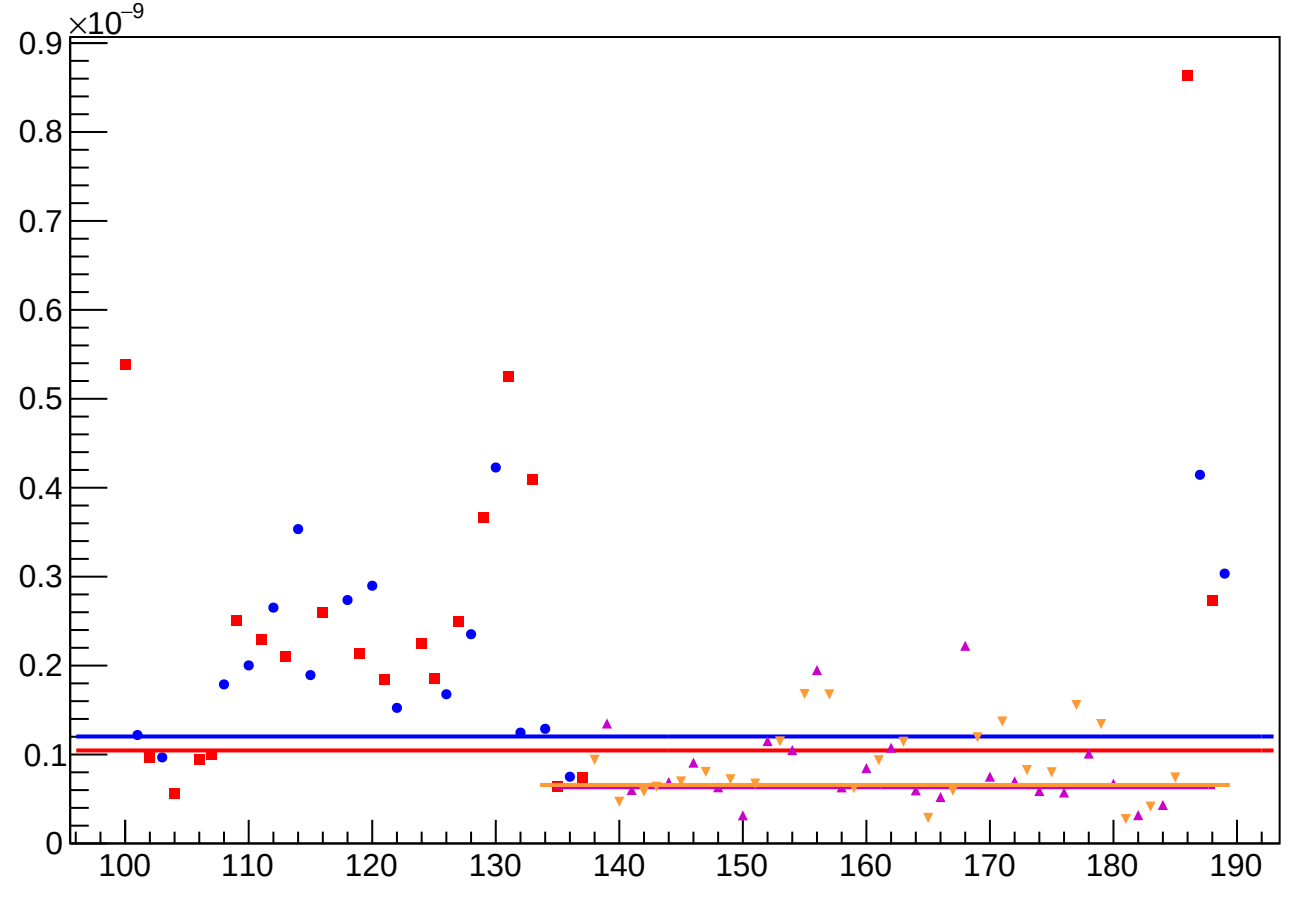
Right: 4605.358+/-0.832 χ^2/NDF: 2347816.4/38

In: 4960.881+/-0.700 χ^2/NDF:2067917.3/40

Out: 4890.156+/-0.671 χ^2/NDF:2398276.6/45

All: 4924.017+/-0.484 χ^2/NDF: 4471515.5/86


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.7/17
Left Out: 0.000+/-0.000 χ²/NDF:33.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.1/20
Left In: -0.000+/-0.000 χ²/NDF:32.4/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/47
Right: -0.000+/-0.000 χ²/NDF: 36.8/38
In: -0.000+/-0.000 χ²/NDF:49.1/40
Out: -0.000+/-0.000 χ²/NDF:53.4/45
All: -0.000+/-0.000 χ²/NDF: 102.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 1351412.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2335350.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

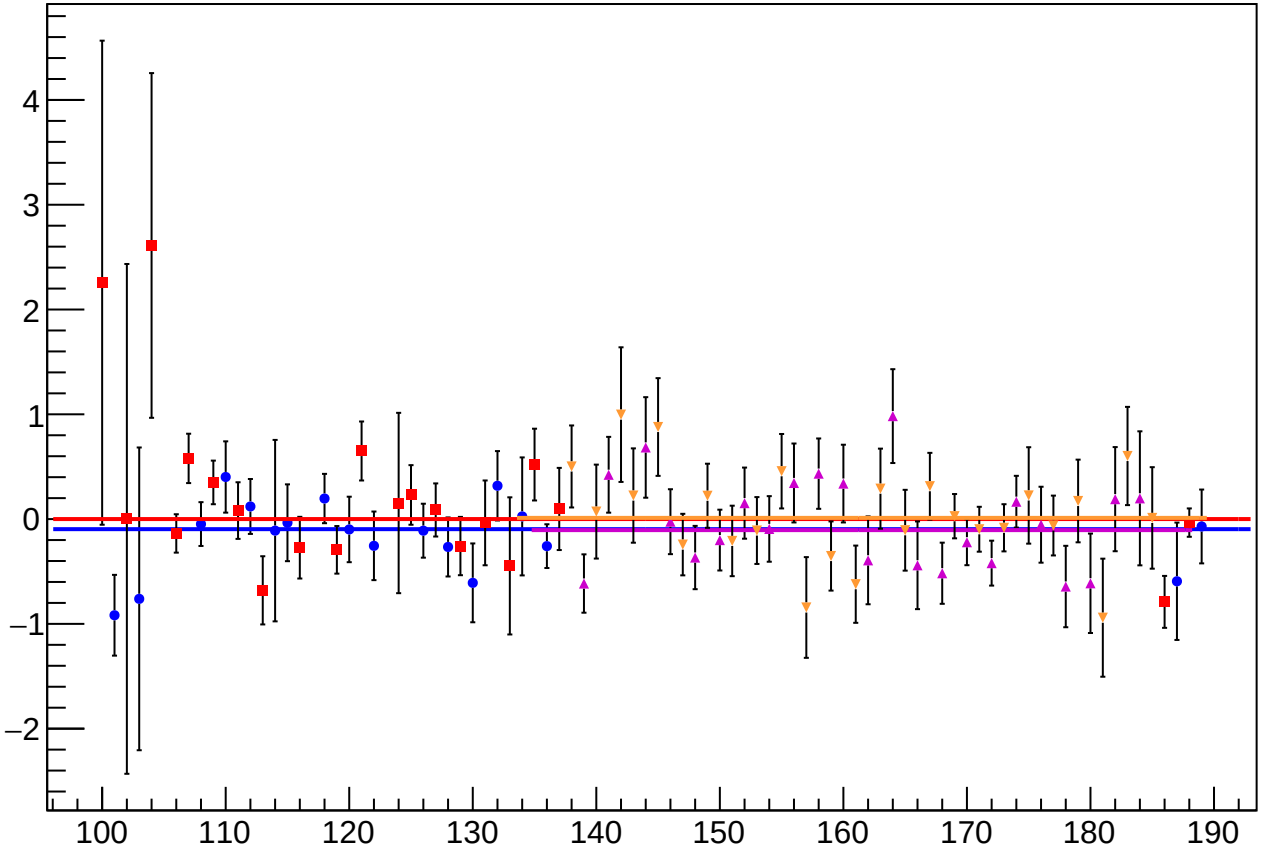
Right: 0.000+/-0.000 χ^2/NDF: 3732684.9/38

In: 0.000+/-0.000 χ^2/NDF:4572991.9/40

Out: 0.000+/-0.000 χ^2/NDF:5317023.3/45

All: 0.000+/-0.000 χ^2/NDF: 9890839.5/86

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

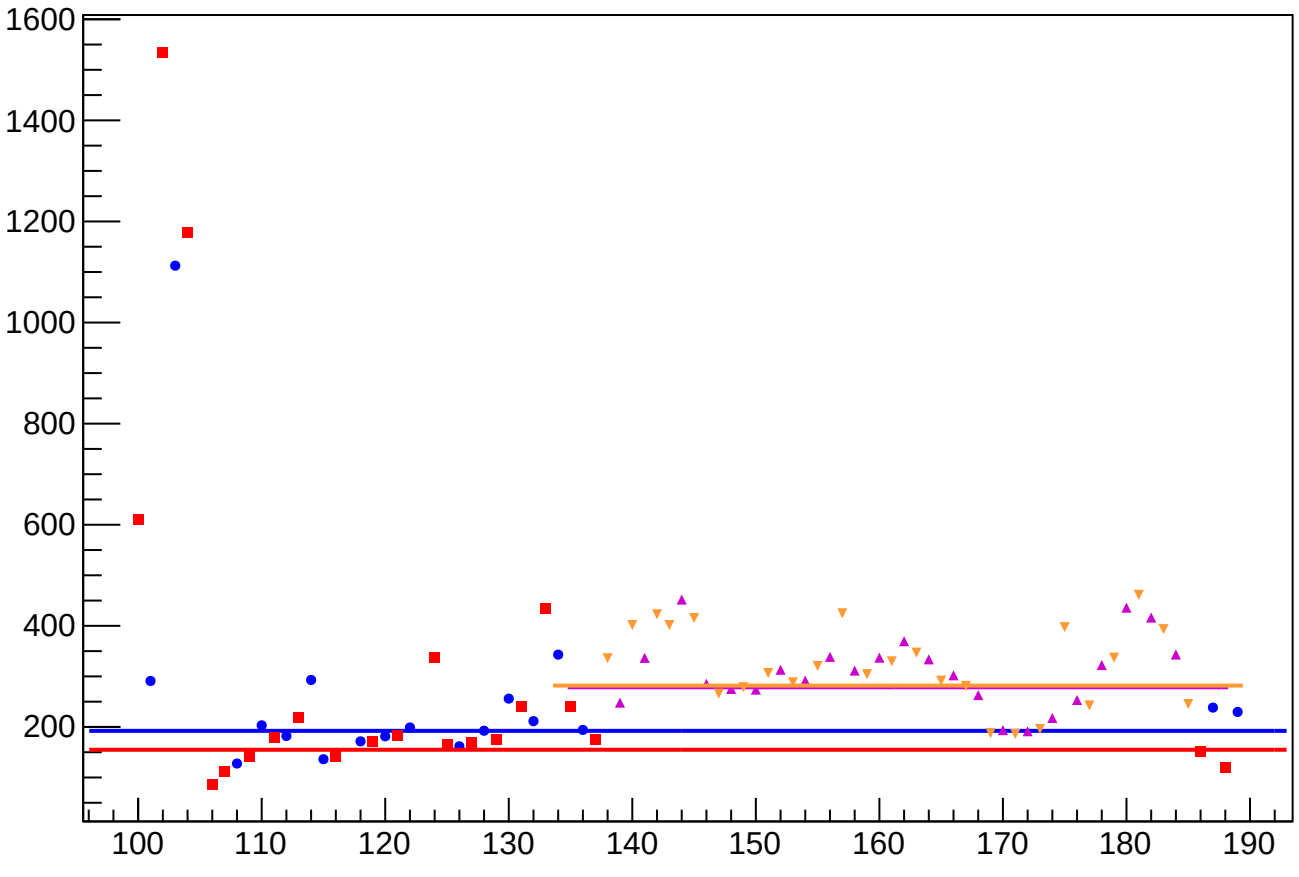
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.038+/-0.047 χ^2/NDF: 55.6/38

In: -0.101+/-0.050 χ^2/NDF:46.1/40

Out: 0.005+/-0.045 χ^2/NDF:65.2/45

All: -0.042+/-0.034 χ^2/NDF: 113.8/86



Right In: 192.269+/-0.053 χ^2/NDF: 1503885.3/17

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 154.887+/-0.043 χ^2/NDF: 2807445.0/20

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

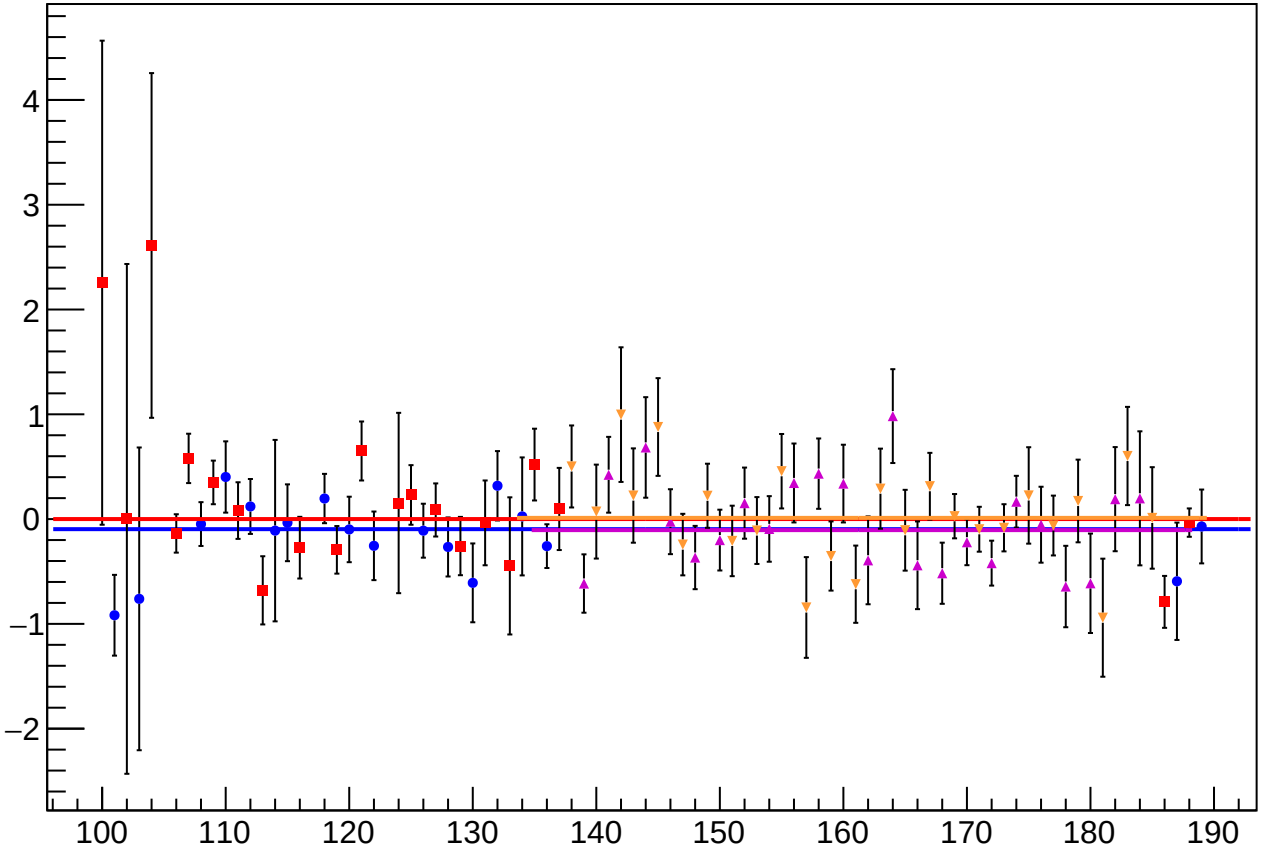
Right: 169.725+/-0.033 χ^2/NDF: 4616278.8/38

In: 238.797+/-0.036 χ^2/NDF:4753865.4/40

Out: 210.735+/-0.032 χ^2/NDF:9225472.2/45

All: 223.220+/-0.024 χ^2/NDF: 14323300.6/86

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

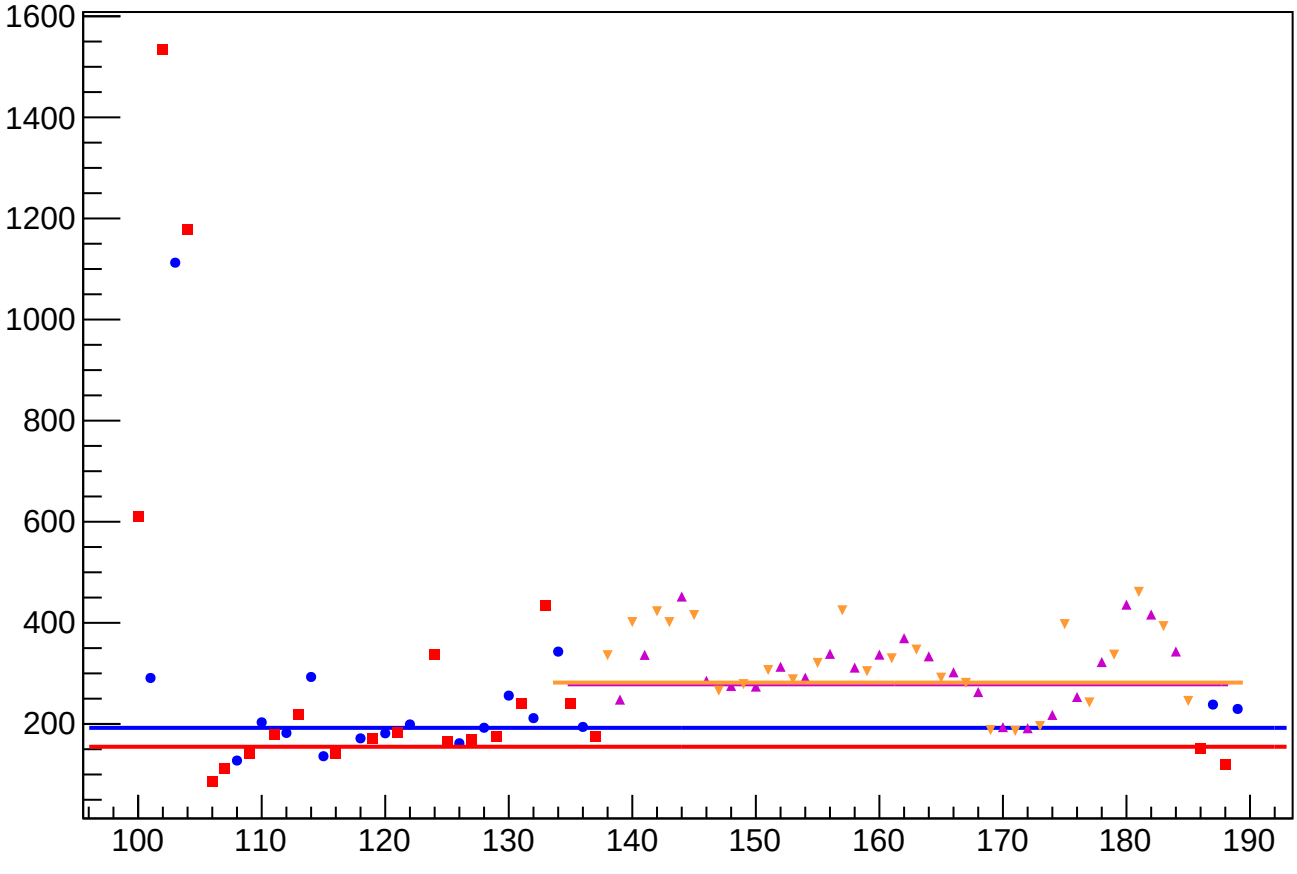
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.038+/-0.047 χ^2/NDF: 55.6/38

In: -0.101+/-0.050 χ^2/NDF:46.1/40

Out: 0.005+/-0.045 χ^2/NDF:65.2/45

All: -0.042+/-0.034 χ^2/NDF: 113.8/86



Right In: 192.269+/-0.053 χ^2/NDF: 1503885.3/17

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 154.887+/-0.043 χ^2/NDF: 2807445.0/20

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

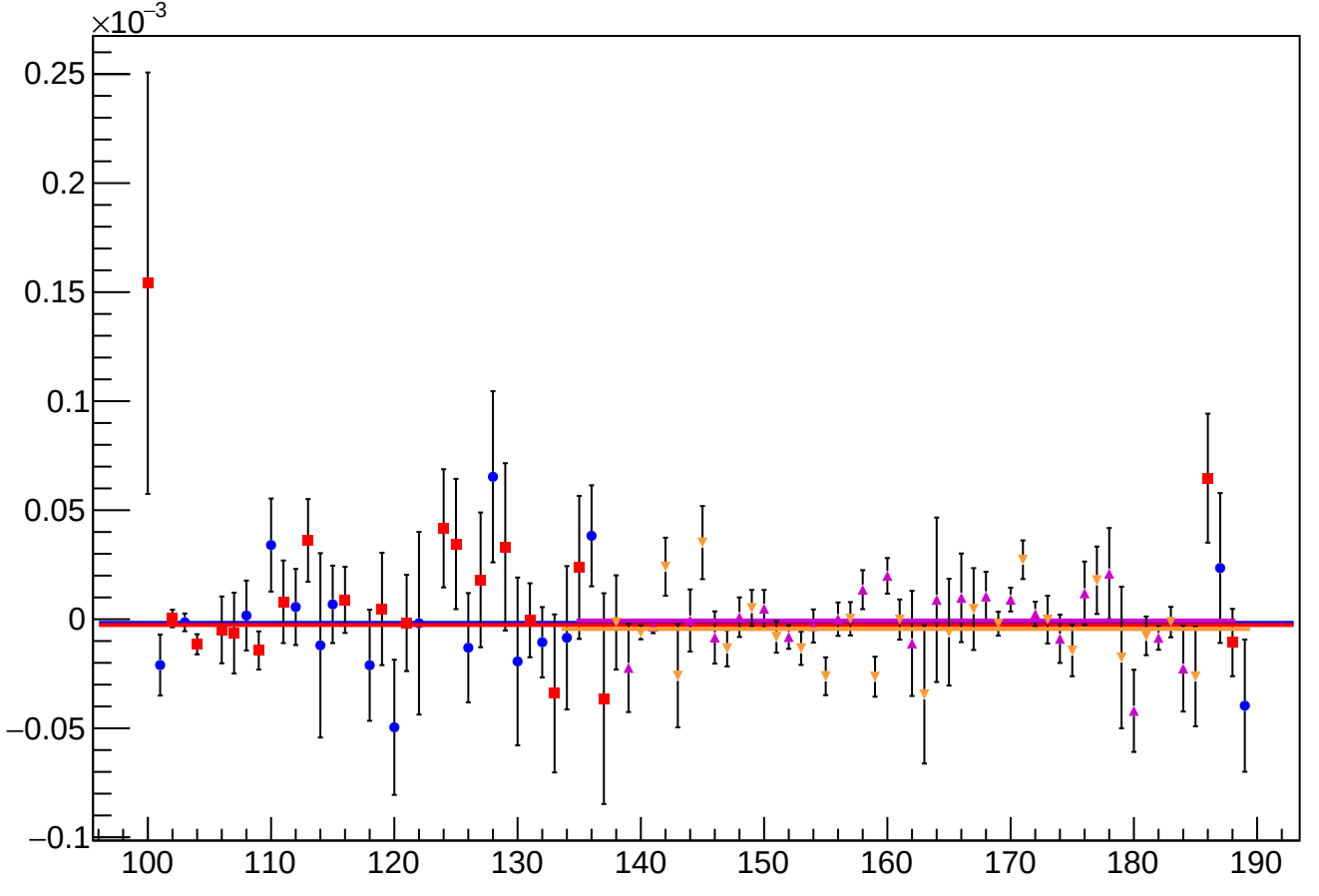
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 169.725+/-0.033 χ^2/NDF: 4616278.8/38

In: 238.797+/-0.036 χ^2/NDF:4753865.4/40

Out: 210.735+/-0.032 χ^2/NDF:9225472.2/45

All: 223.220+/-0.024 χ^2/NDF: 14323300.6/86



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/20

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

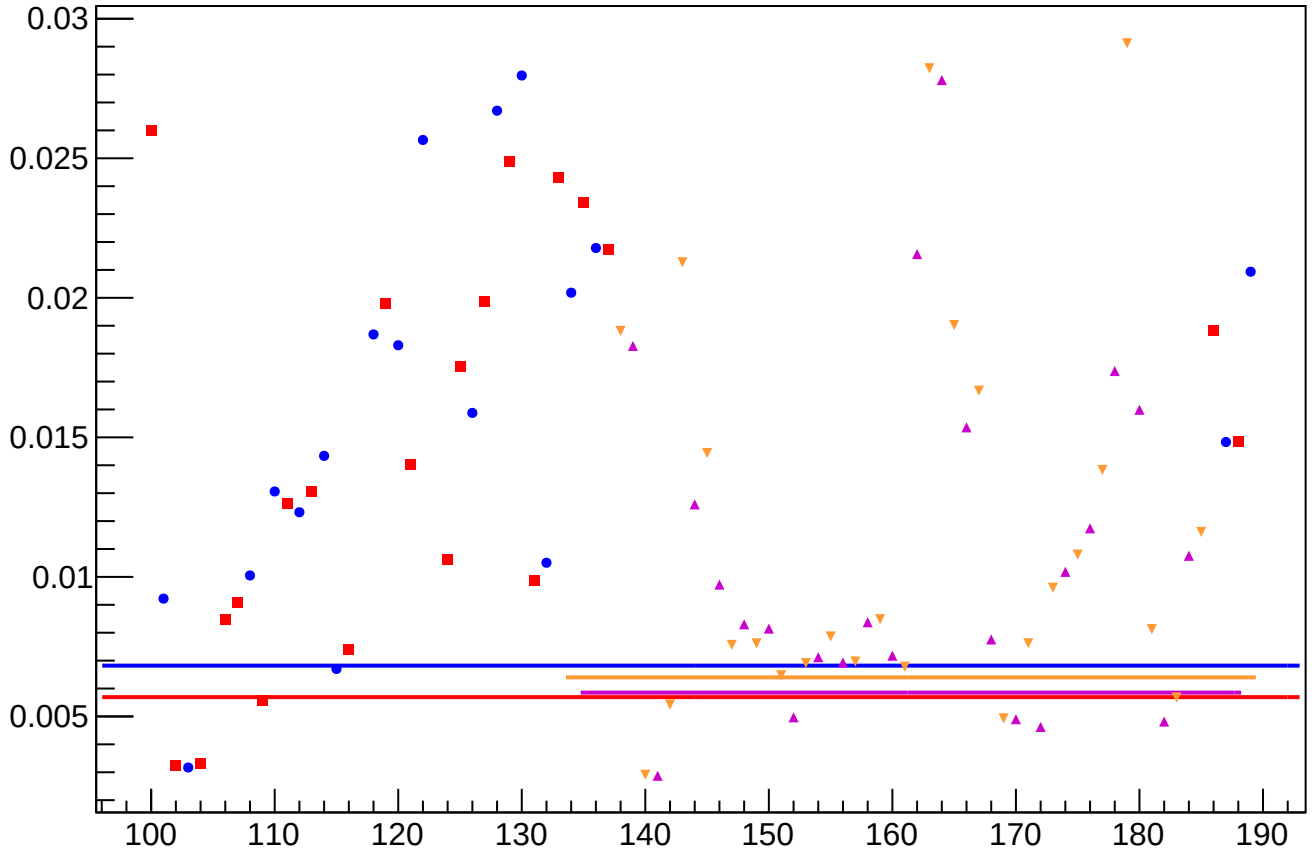
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 43.8/38

In: -0.000+/-0.000 χ^2/NDF:46.1/40

Out: -0.000+/-0.000 χ^2/NDF:73.5/45

All: -0.000+/-0.000 χ^2/NDF: 121.9/86



Right In: 0.007+/-0.000 χ^2/NDF: 6481319.1/17

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6823109.6/20

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

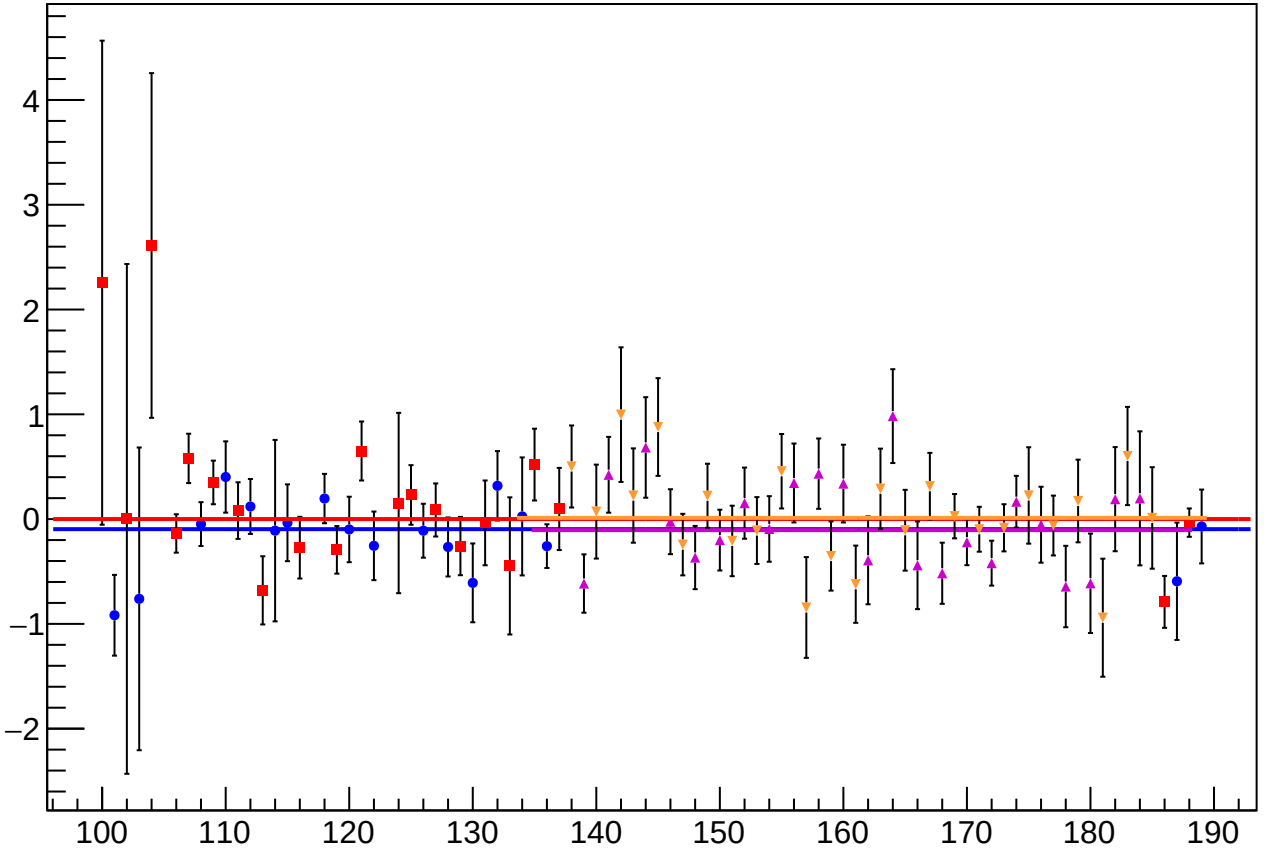
Right: 0.006+/-0.000 χ^2/NDF: 13453478.6/38

In: 0.006+/-0.000 χ^2/NDF:14764824.6/40

Out: 0.006+/-0.000 χ^2/NDF:15895229.1/45

All: 0.006+/-0.000 χ^2/NDF: 30668043.8/86

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

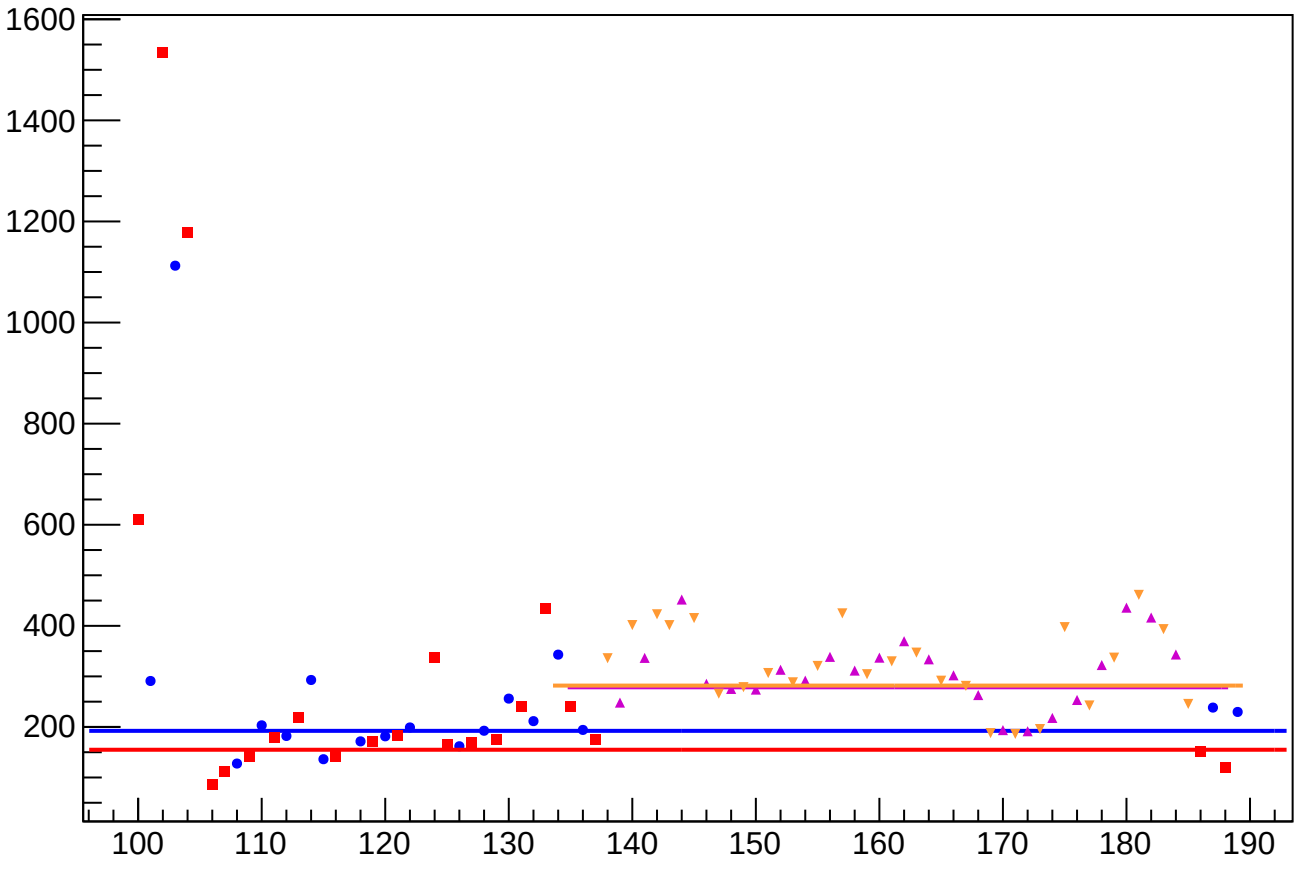
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.038+/-0.047 χ^2/NDF: 55.6/38

In: -0.101+/-0.050 χ^2/NDF:46.1/40

Out: 0.005+/-0.045 χ^2/NDF:65.2/45

All: -0.042+/-0.034 χ^2/NDF: 113.8/86



Right In: 192.268+/-0.053 χ^2/NDF: 1503885.0/17

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 154.883+/-0.043 χ^2/NDF: 2807502.3/20

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

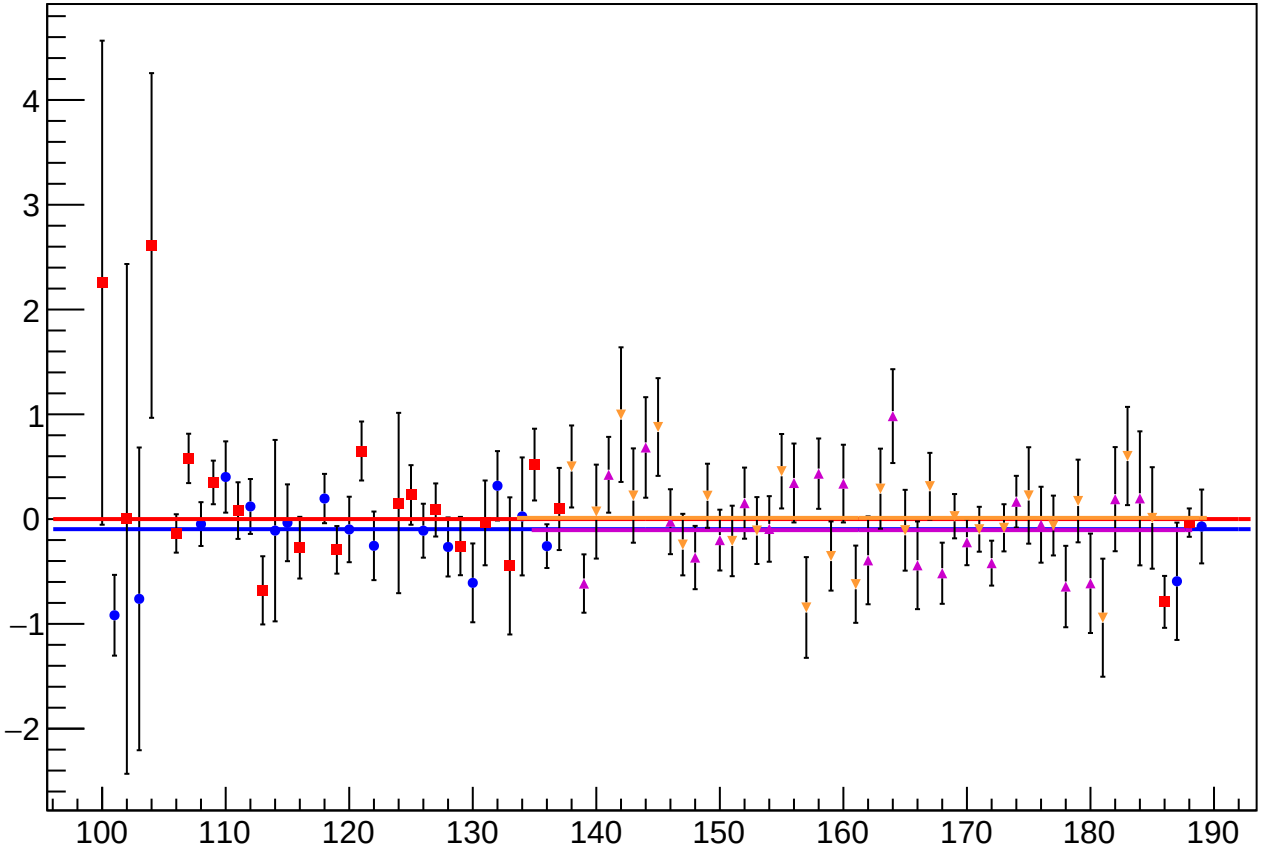
Right: 169.722+/-0.033 χ^2/NDF: 4616394.8/38

In: 238.798+/-0.036 χ^2/NDF:4753992.1/40

Out: 210.732+/-0.032 χ^2/NDF:9225996.9/45

All: 223.219+/-0.024 χ^2/NDF: 14324035.0/86

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.096+/-0.074 χ^2/NDF: 14.7/17

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

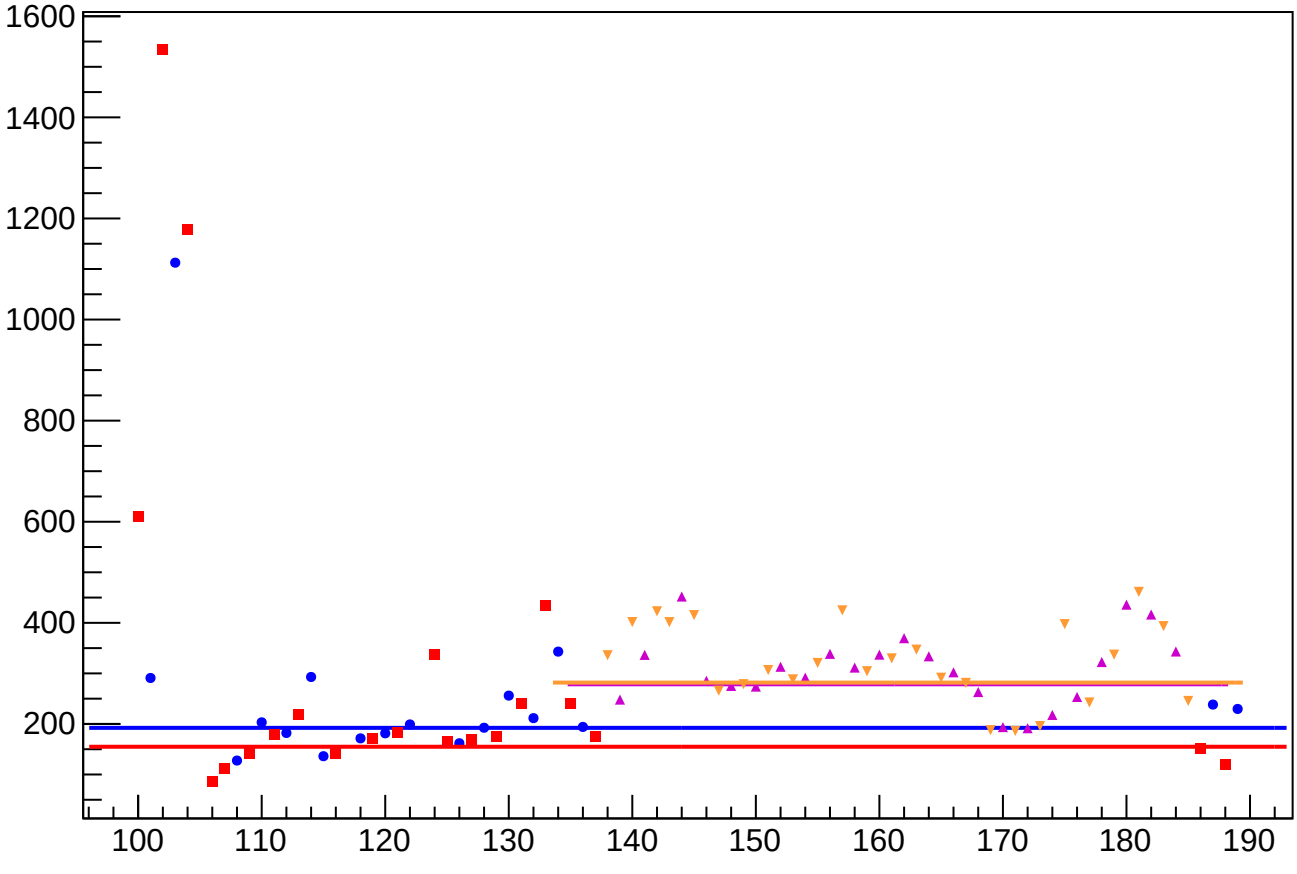
Right: -0.038+/-0.047 χ^2/NDF: 55.6/38

In: -0.101+/-0.050 χ^2/NDF:46.1/40

Out: 0.005+/-0.045 χ^2/NDF:65.2/45

All: -0.042+/-0.034 χ^2/NDF: 113.8/86

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.268+/-0.053 χ^2/NDF: 1503885.0/17

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 154.883+/-0.043 χ^2/NDF: 2807502.3/20

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

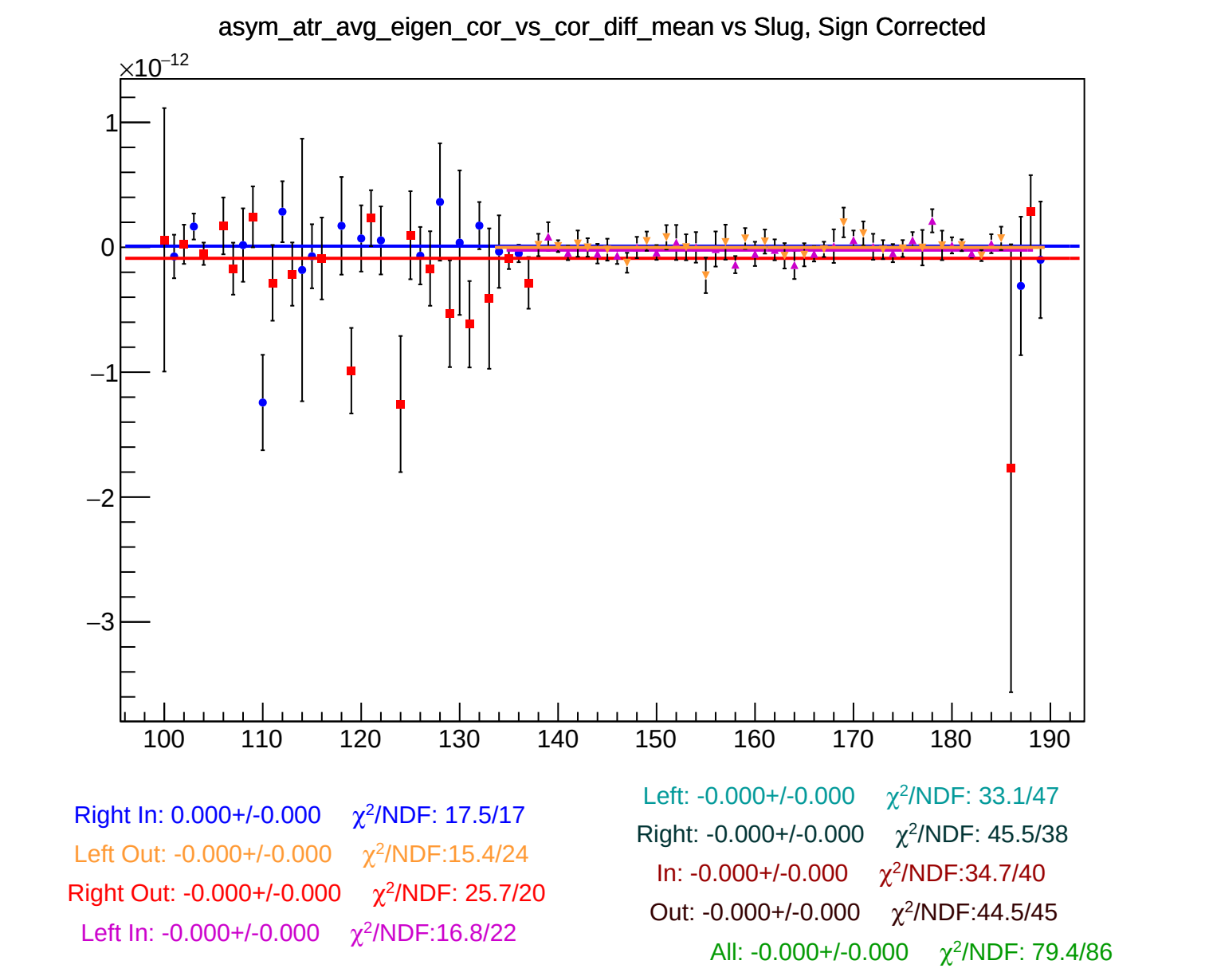
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

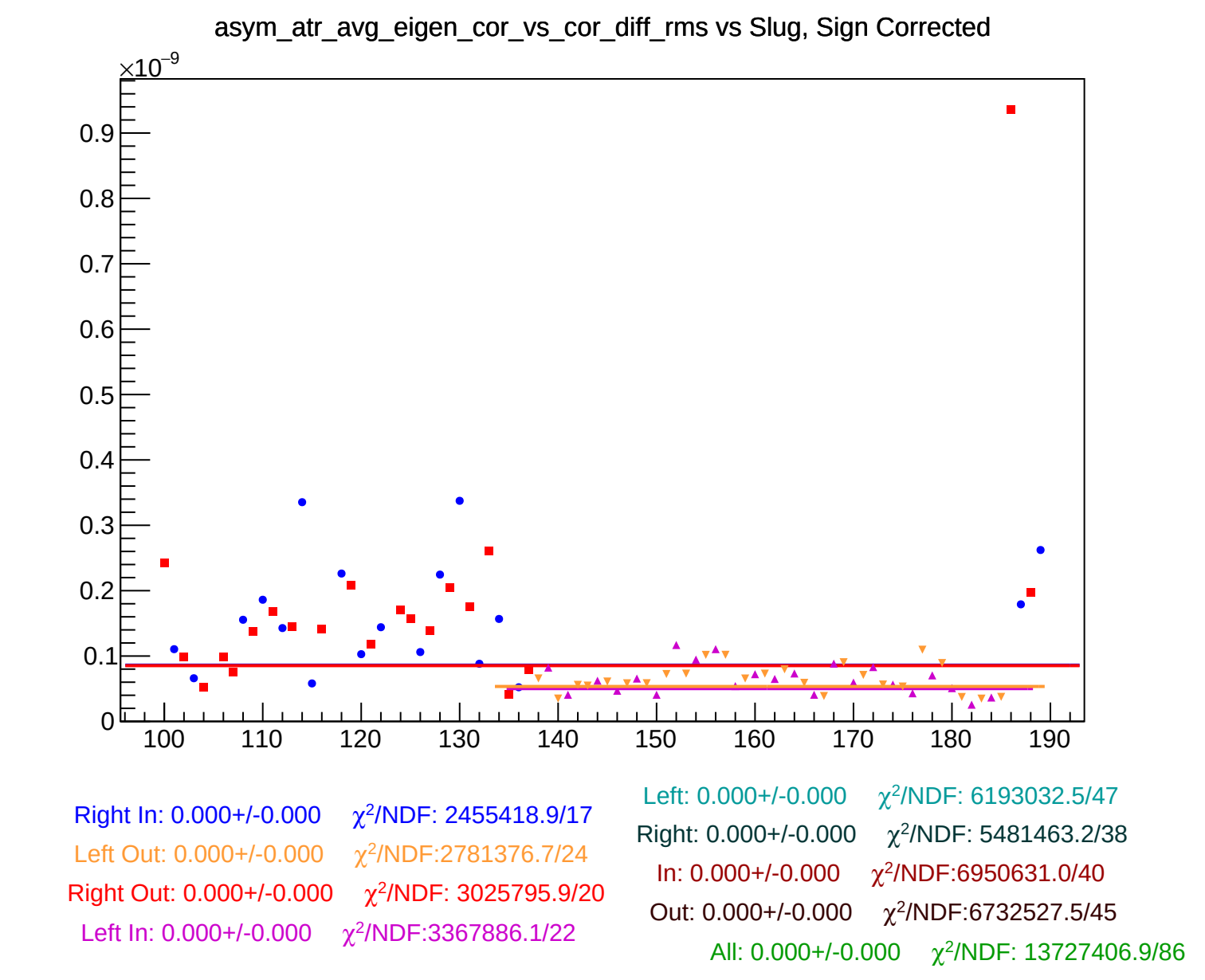
Right: 169.722+/-0.033 χ^2/NDF: 4616394.8/38

In: 238.798+/-0.036 χ^2/NDF:4753992.1/40

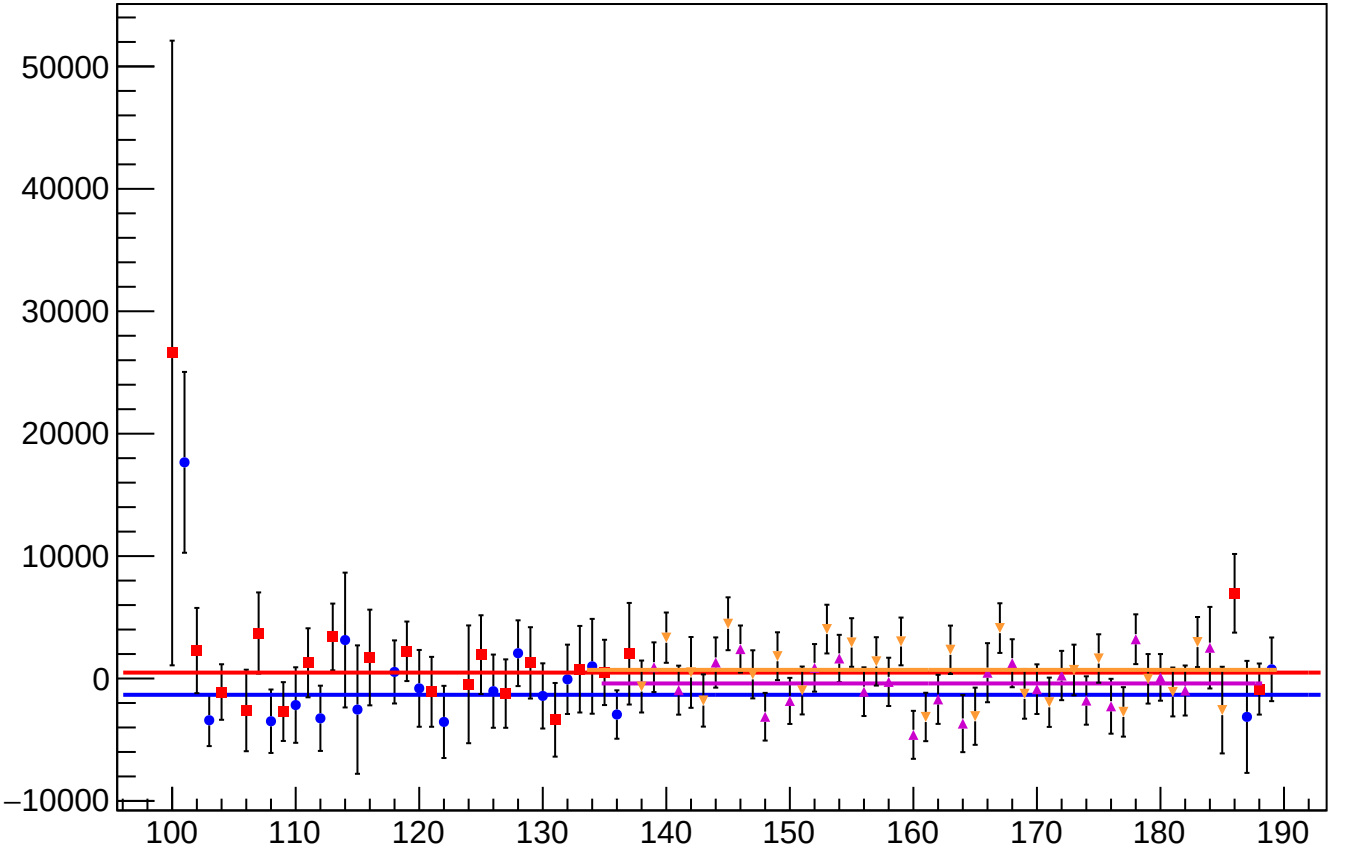
Out: 210.732+/-0.032 χ^2/NDF:9225996.9/45

All: 223.219+/-0.024 χ^2/NDF: 14324035.0/86


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.5/17
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/20
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: 45.5/38
In: -0.000+/-0.000 χ²/NDF:34.7/40
Out: -0.000+/-0.000 χ²/NDF:44.5/45
All: -0.000+/-0.000 χ²/NDF: 79.4/86


asym_atr_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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2455418.9/17
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3025795.9/20
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
Left: 0.000+/-0.000 χ²/NDF: 6193032.5/47
Right: 0.000+/-0.000 χ²/NDF: 5481463.2/38
In: 0.000+/-0.000 χ²/NDF:6950631.0/40
Out: 0.000+/-0.000 χ²/NDF:6732527.5/45
All: 0.000+/-0.000 χ²/NDF: 13727406.9/86

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1330.555+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 483.267+/-652.038 χ^2/NDF: 14.5/20

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

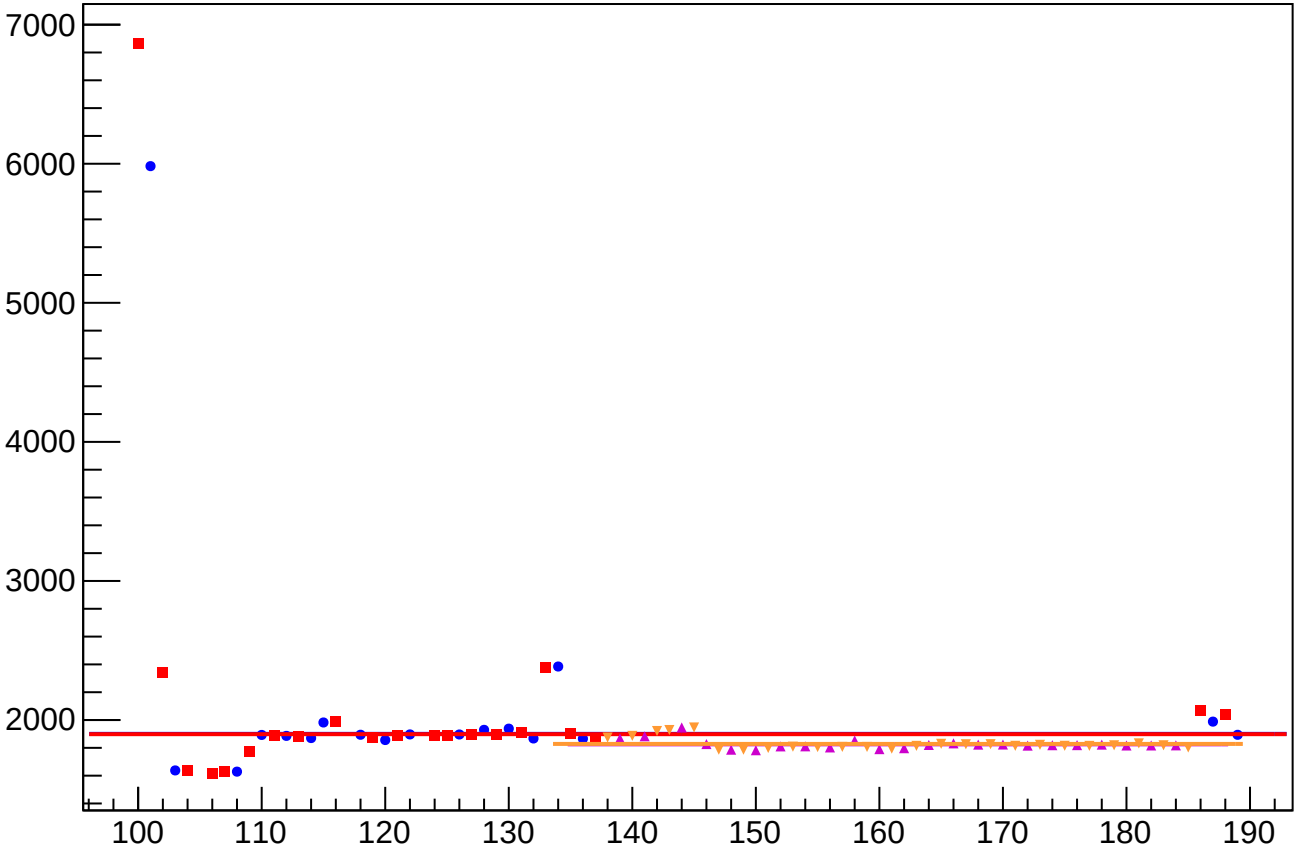
Right: -374.015+/-473.508 χ^2/NDF: 32.5/38

In: -659.947+/-362.432 χ^2/NDF:36.4/40

Out: 641.518+/-350.333 χ^2/NDF:46.5/45

All: 12.871+/-251.892 χ^2/NDF: 89.5/86

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.1/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1898.302+/-0.460 χ^2/NDF: 224838.2/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

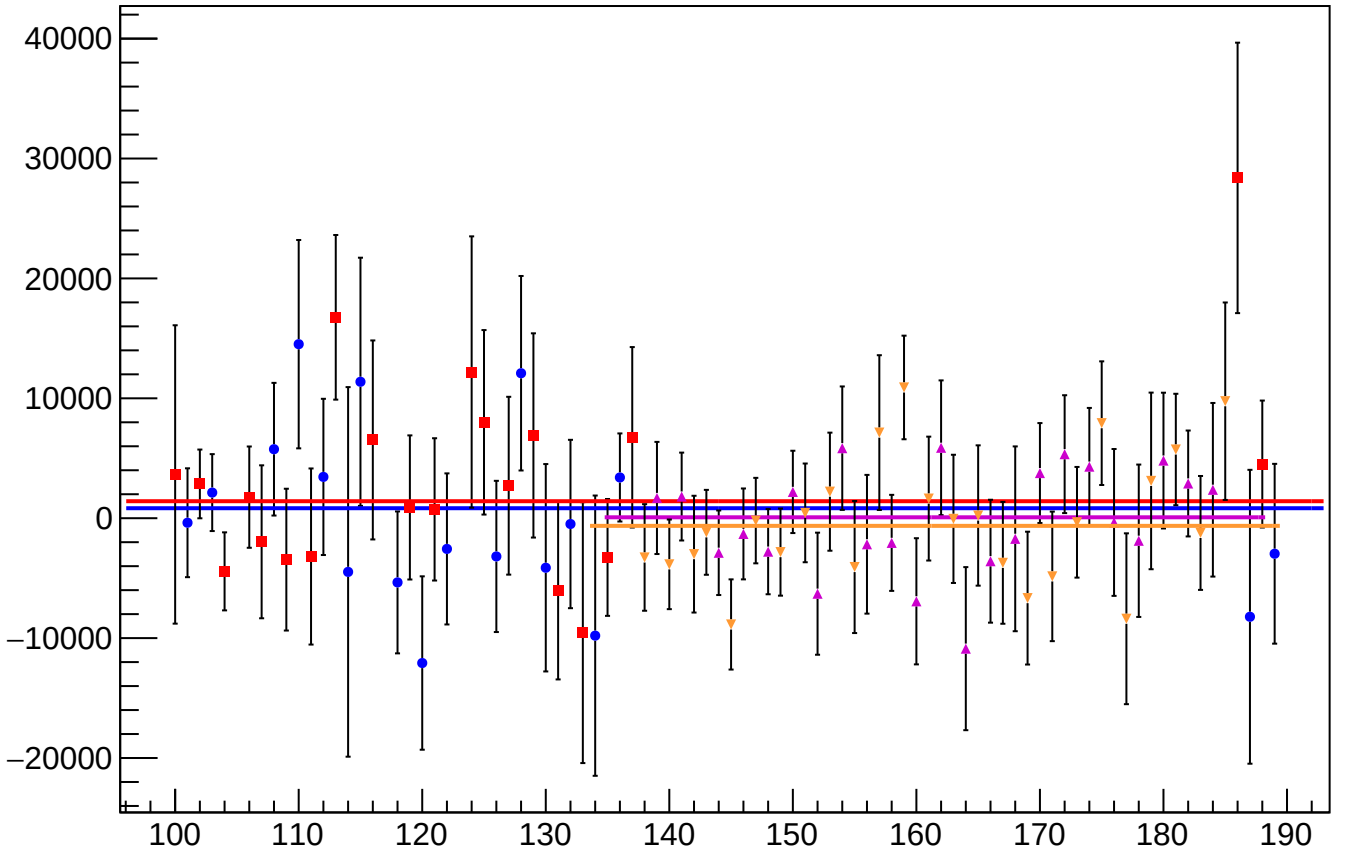
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1899.340+/-0.334 χ^2/NDF: 923128.1/38

In: 1846.026+/-0.256 χ^2/NDF:728943.6/40

Out: 1848.551+/-0.248 χ^2/NDF:260659.4/45

All: 1847.333+/-0.178 χ^2/NDF: 989653.3/86



Right In: 833.001+/-1441.221 χ^2/NDF: 14.2/17

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1418.210+/-1261.145 χ^2/NDF: 21.9/20

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

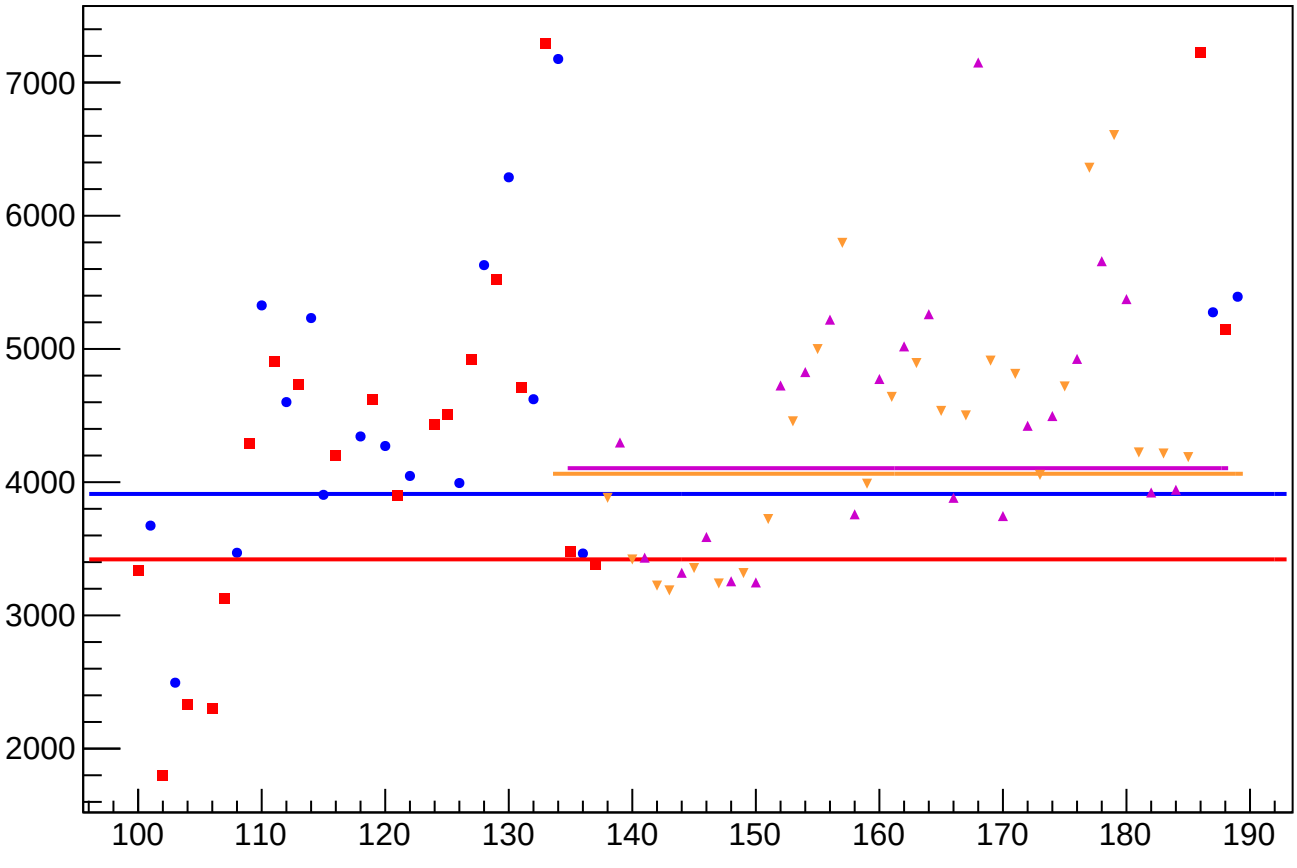
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1164.430+/-949.083 χ^2/NDF: 36.2/38

In: 315.268+/-810.533 χ^2/NDF:29.8/40

Out: 103.434+/-757.203 χ^2/NDF:49.5/45

All: 202.153+/-553.317 χ^2/NDF: 79.4/86



Right In: 3911.645+/-1.019 χ^2/NDF: 1064971.5/17

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3420.540+/-0.892 χ^2/NDF: 2333600.5/20

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

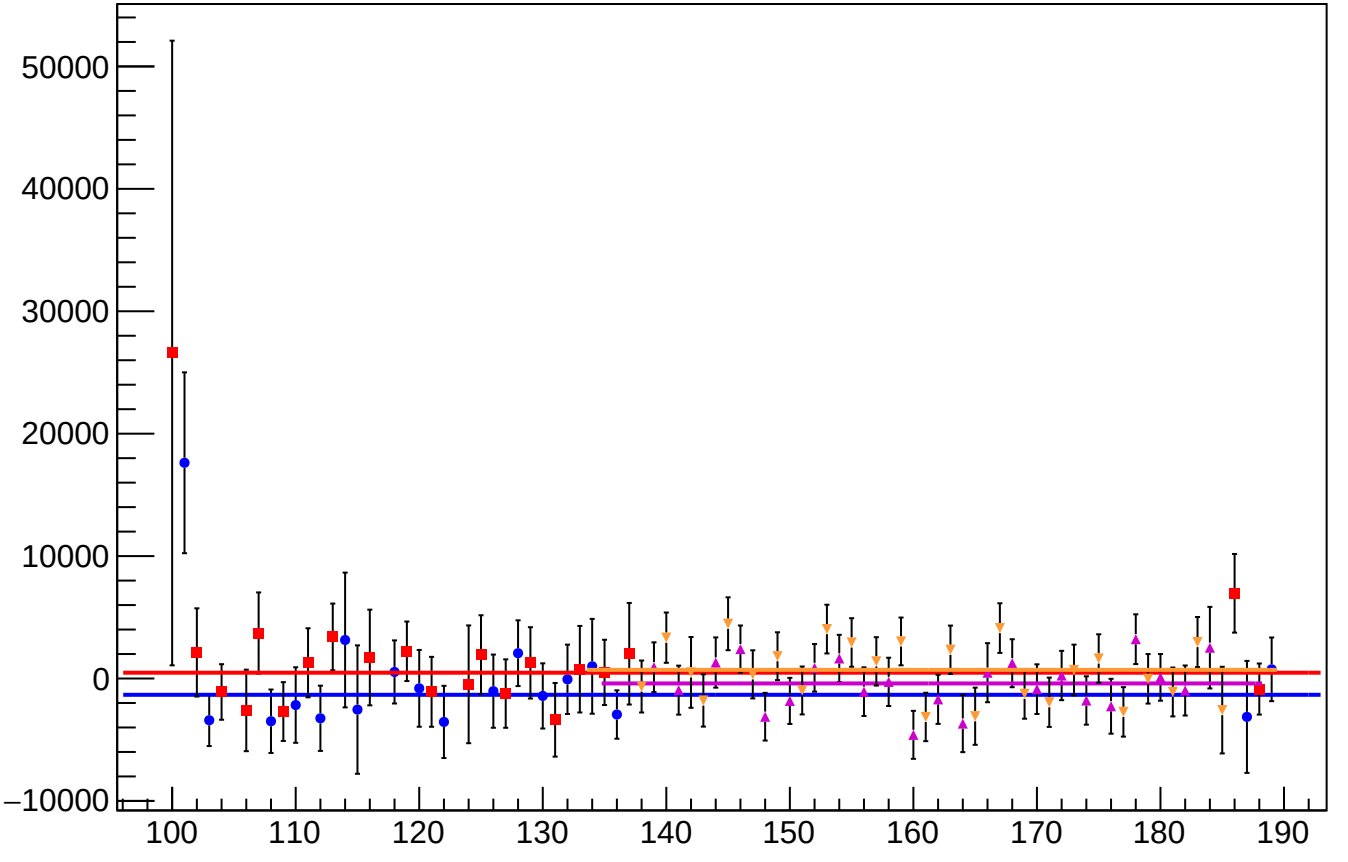
Right: 3633.512+/-0.671 χ^2/NDF: 3530093.0/38

In: 4043.884+/-0.573 χ^2/NDF:2449091.7/40

Out: 3831.469+/-0.535 χ^2/NDF:4070672.3/45

All: 3930.459+/-0.391 χ^2/NDF: 6593111.0/86

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1330.917+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 474.615+/-652.795 χ^2/NDF: 14.4/20

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

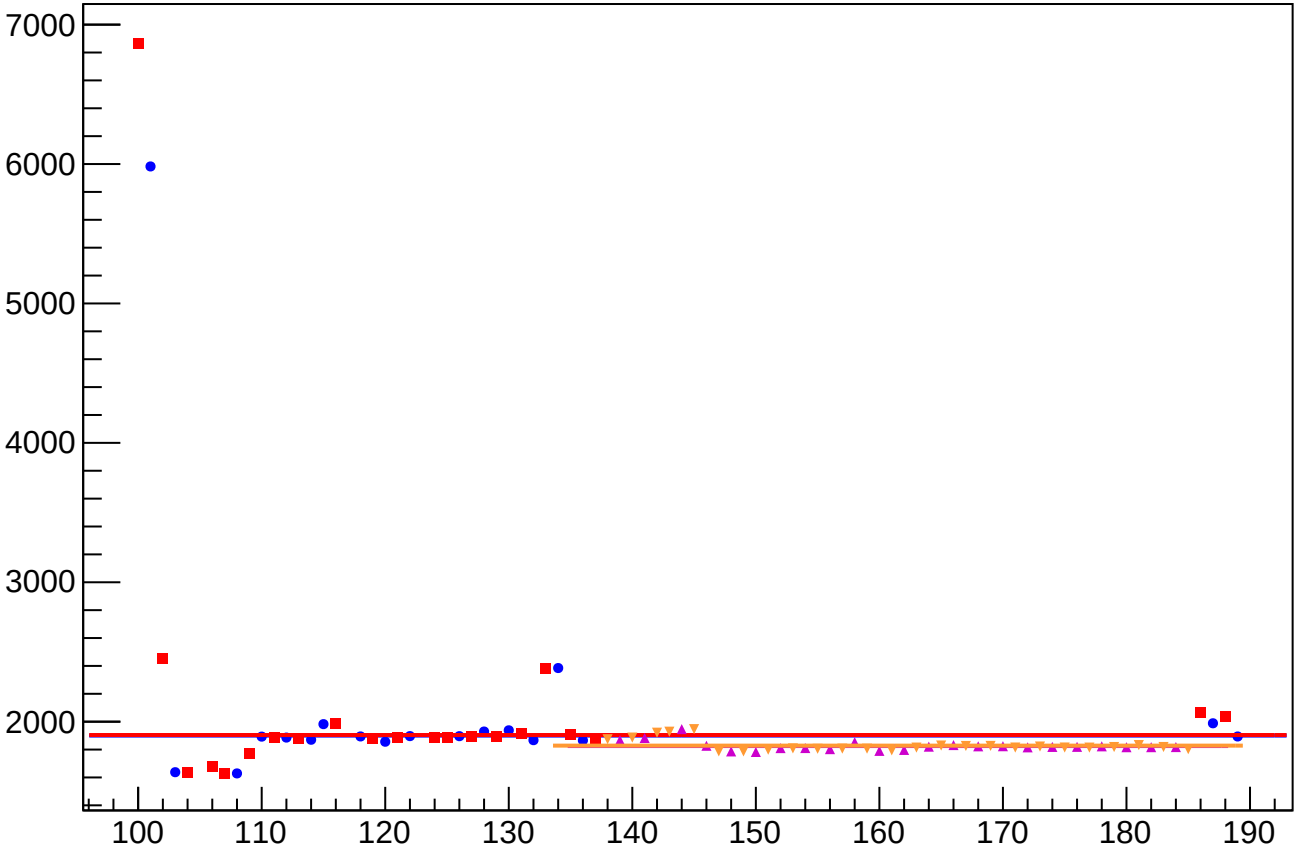
Right: -379.793+/-473.798 χ^2/NDF: 32.3/38

In: -659.929+/-362.432 χ^2/NDF:36.4/40

Out: 639.172+/-350.451 χ^2/NDF:46.4/45

All: 11.450+/-251.935 χ^2/NDF: 89.4/86

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.3/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1904.252+/-0.461 χ^2/NDF: 232431.3/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

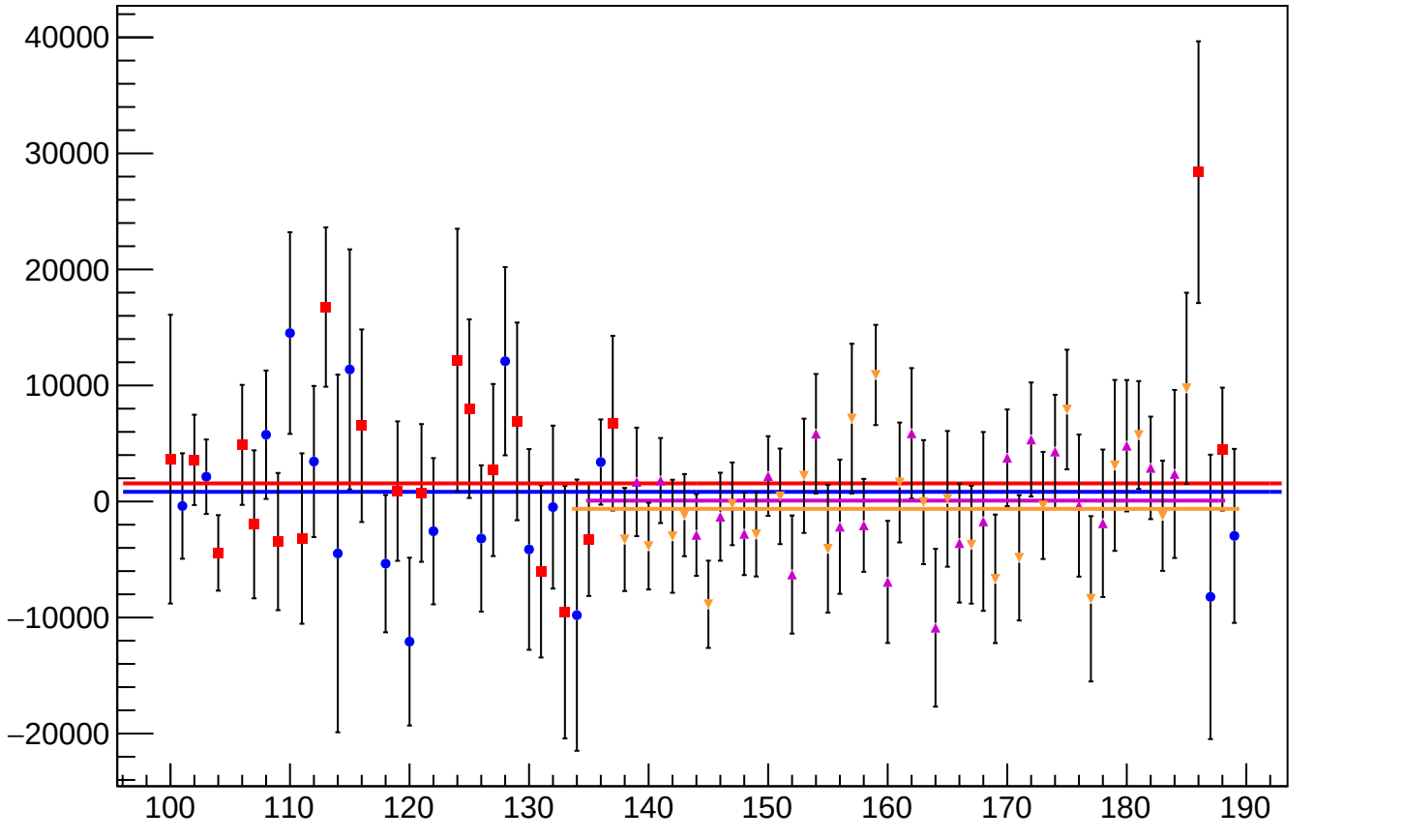
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1902.481+/-0.335 χ^2/NDF: 930741.8/38

In: 1846.026+/-0.256 χ^2/NDF:728943.7/40

Out: 1850.190+/-0.248 χ^2/NDF:271097.3/45

All: 1848.179+/-0.178 χ^2/NDF: 1000177.5/86



Right In: 831.828+/-1441.381 χ^2/NDF: 14.2/17

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1559.959+/-1342.938 χ^2/NDF: 22.3/20

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

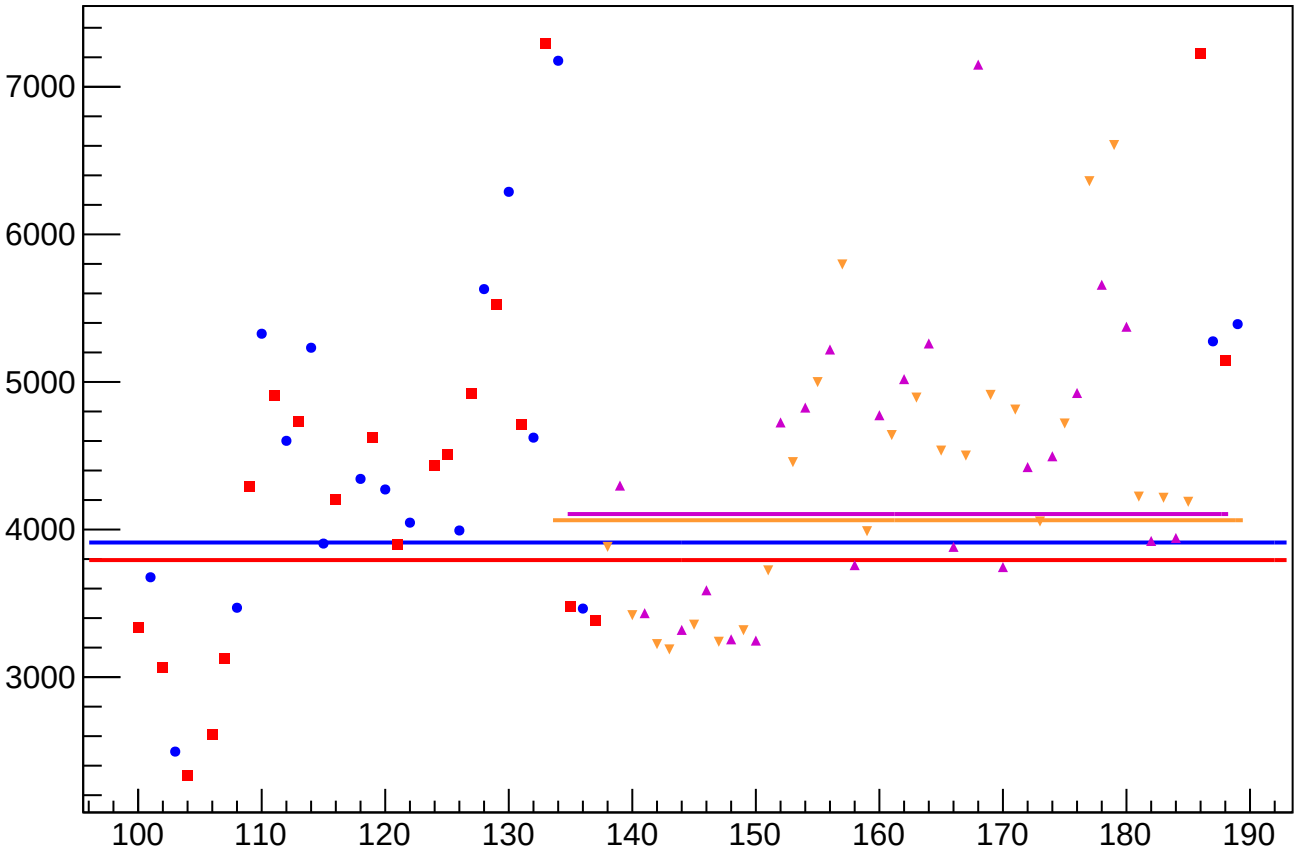
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1221.606+/-982.561 χ^2/NDF: 36.7/38

In: 314.877+/-810.561 χ^2/NDF:29.8/40

Out: 92.025+/-773.855 χ^2/NDF:50.1/45

All: 198.291+/-559.725 χ^2/NDF: 80.0/86



Right In: 3912.162+/-1.019 χ^2/NDF: 1064433.5/17

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3793.103+/-0.950 χ^2/NDF: 1463575.0/20

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

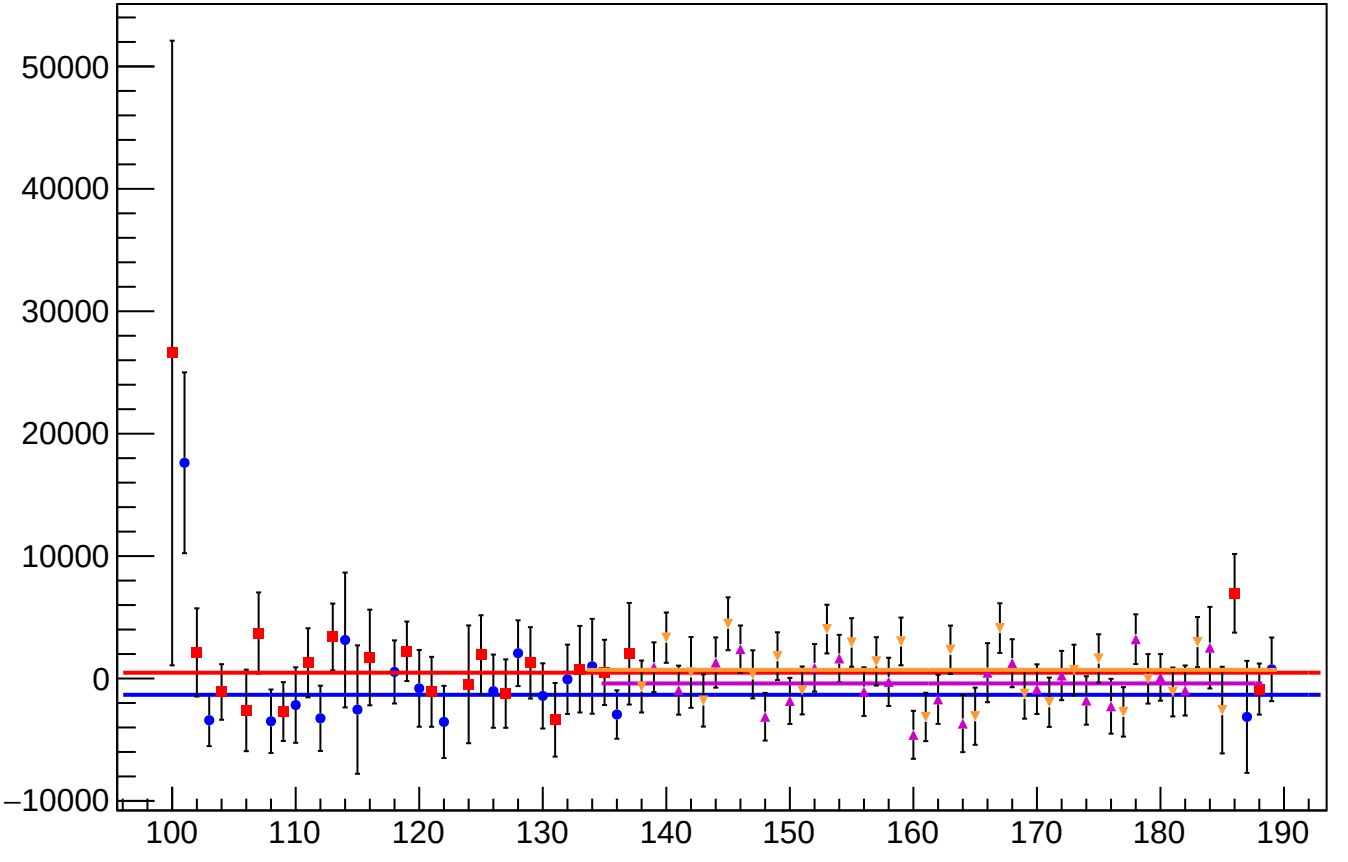
Right: 3848.428+/-0.695 χ^2/NDF: 2535313.2/38

In: 4044.051+/-0.573 χ^2/NDF:2448425.3/40

Out: 3973.451+/-0.547 χ^2/NDF:2922605.7/45

All: 4007.116+/-0.396 χ^2/NDF: 5378968.9/86

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1330.917+/-688.752 χ^2/NDF: 14.3/17

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 474.615+/-652.795 χ^2/NDF: 14.4/20

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

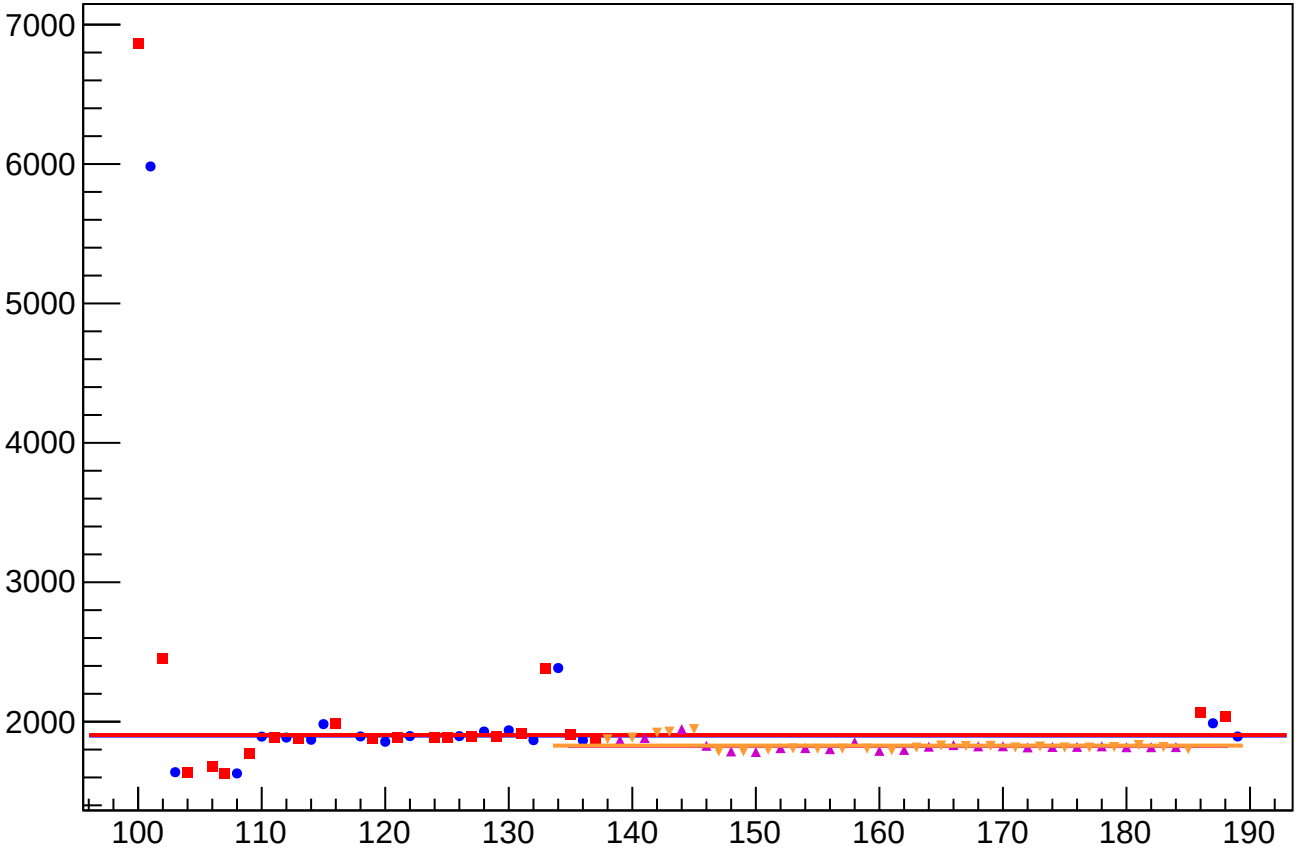
Right: -379.793+/-473.798 χ^2/NDF: 32.3/38

In: -659.929+/-362.432 χ^2/NDF:36.4/40

Out: 639.172+/-350.451 χ^2/NDF:46.4/45

All: 11.450+/-251.935 χ^2/NDF: 89.4/86

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1900.505+/-0.487 χ^2/NDF: 698279.3/17

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1904.252+/-0.461 χ^2/NDF: 232431.3/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

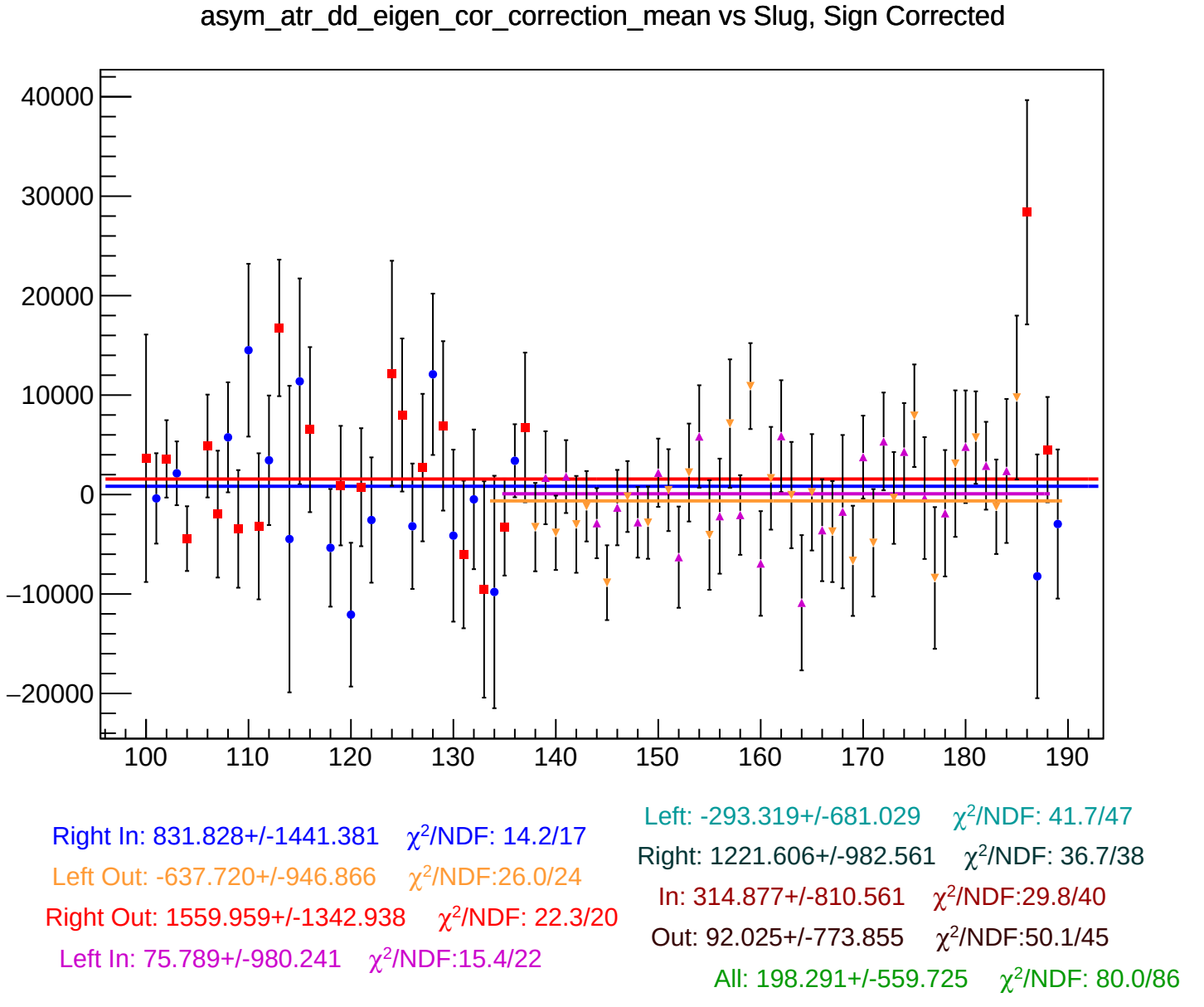
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

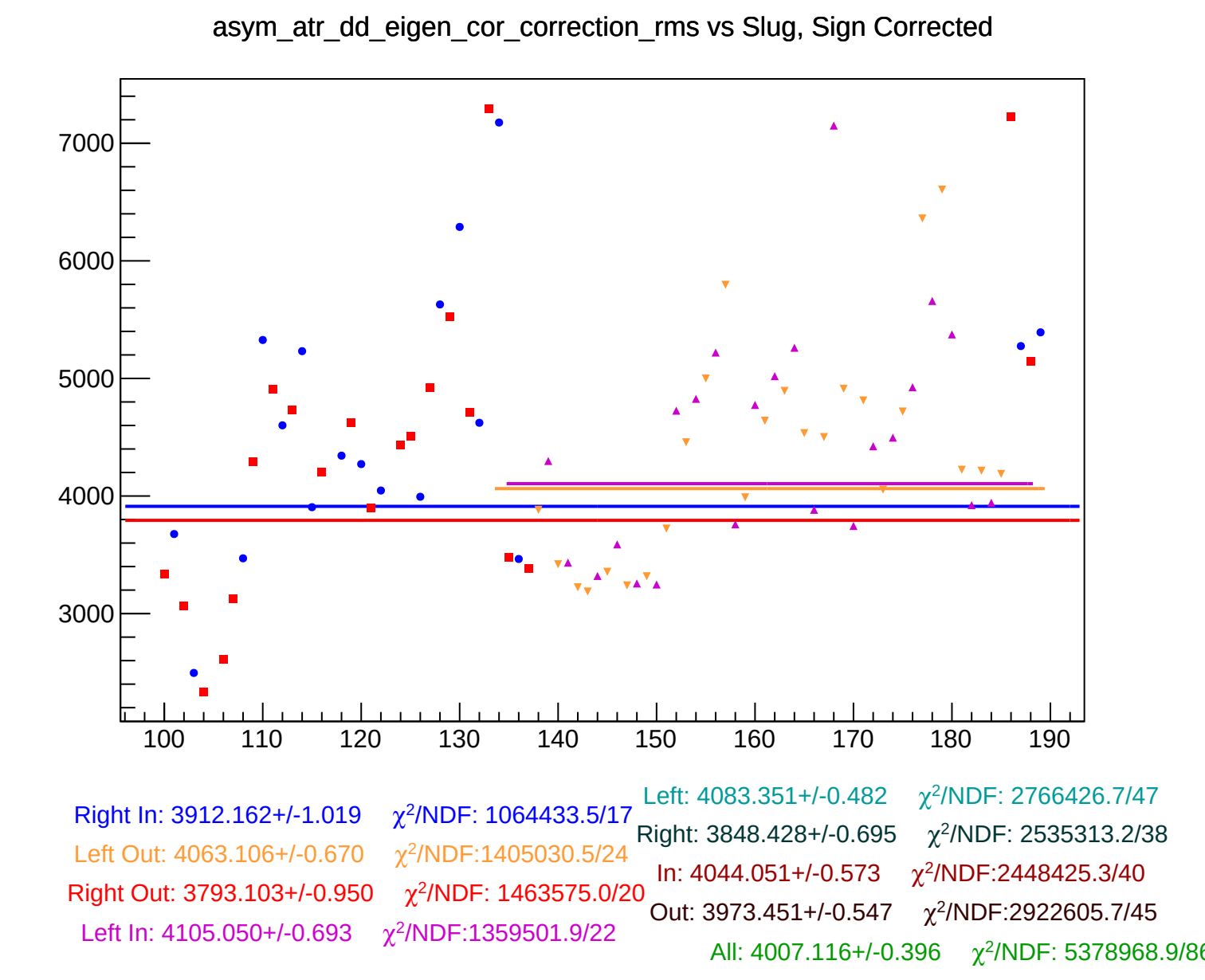
Right: 1902.481+/-0.335 χ^2/NDF: 930741.8/38

In: 1846.026+/-0.256 χ^2/NDF:728943.7/40

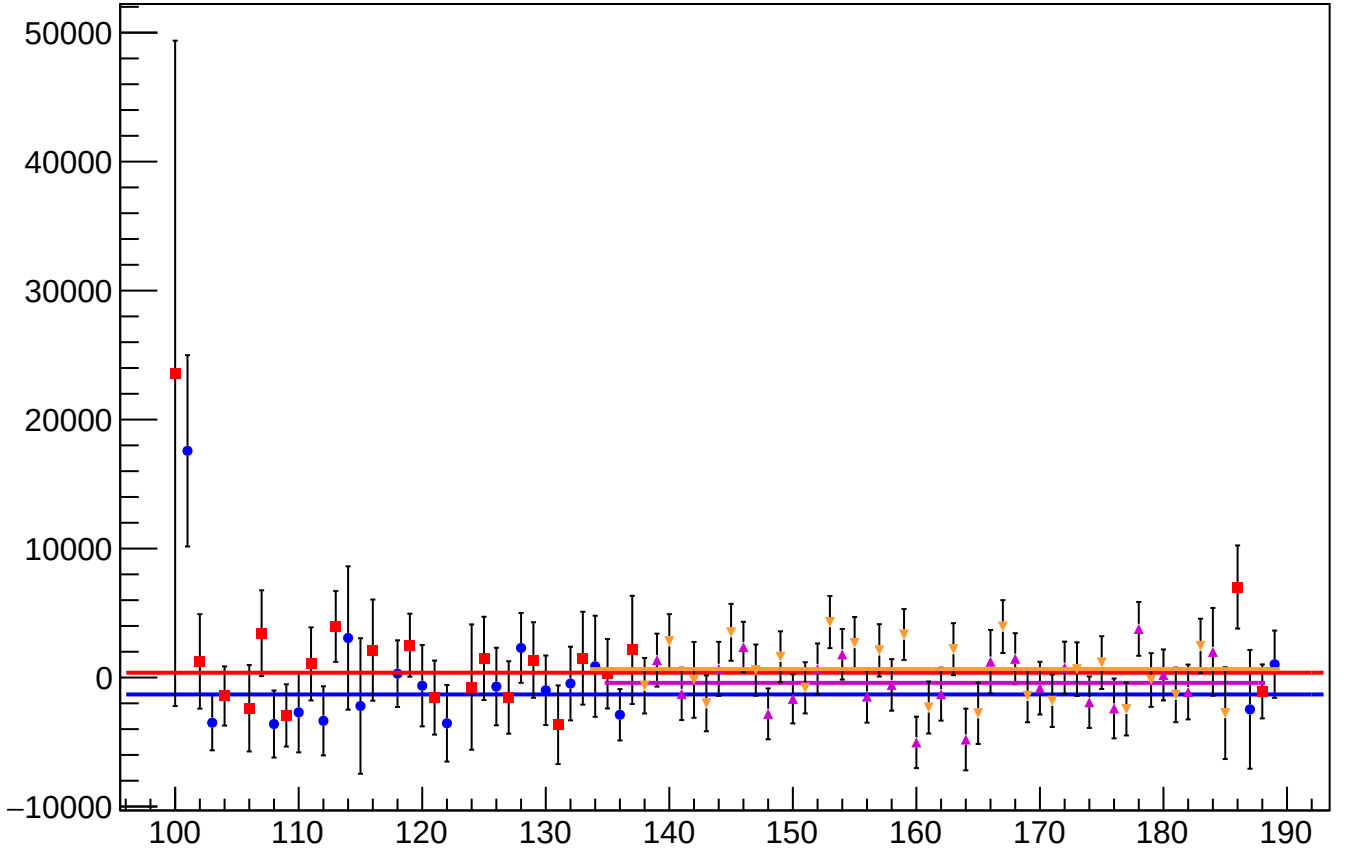
Out: 1850.190+/-0.248 χ^2/NDF:271097.3/45

All: 1848.179+/-0.178 χ^2/NDF: 1000177.5/86


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 831.828+/-1441.381 χ²/NDF: 14.2/17
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 1559.959+/-1342.938 χ²/NDF: 22.3/20
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1221.606+/-982.561 χ²/NDF: 36.7/38
In: 314.877+/-810.561 χ²/NDF:29.8/40
Out: 92.025+/-773.855 χ²/NDF:50.1/45
All: 198.291+/-559.725 χ²/NDF: 80.0/86


asym_atr_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 3912.162+/-1.019 χ²/NDF: 1064433.5/17
Left Out: 4063.106+/-0.670 χ²/NDF:1405030.5/24
Right Out: 3793.103+/-0.950 χ²/NDF: 1463575.0/20
Left In: 4105.050+/-0.693 χ²/NDF:1359501.9/22
Left: 4083.351+/-0.482 χ²/NDF: 2766426.7/47
Right: 3848.428+/-0.695 χ²/NDF: 2535313.2/38
In: 4044.051+/-0.573 χ²/NDF:2448425.3/40
Out: 3973.451+/-0.547 χ²/NDF:2922605.7/45
All: 4007.116+/-0.396 χ²/NDF: 5378968.9/86

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1309.406+/-693.477 χ^2/NDF: 14.5/17

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 374.468+/-657.290 χ^2/NDF: 15.6/20

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

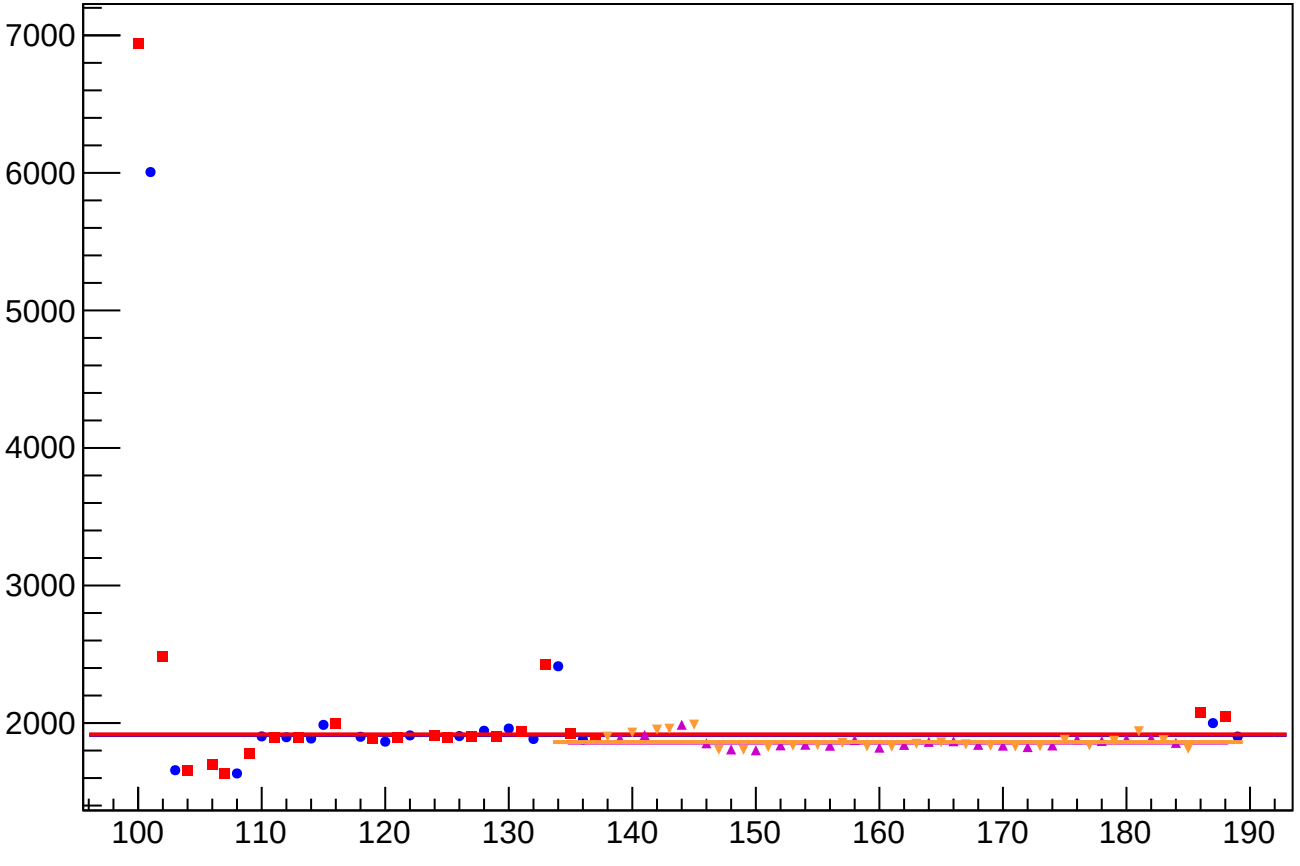
Right: -422.391+/-477.054 χ^2/NDF: 33.2/38

In: -663.630+/-367.806 χ^2/NDF:39.3/40

Out: 574.674+/-355.744 χ^2/NDF:42.7/45

All: -23.840+/-255.707 χ^2/NDF: 87.9/86

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1913.609+/-0.490 χ^2/NDF: 696963.0/17

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1917.234+/-0.464 χ^2/NDF: 234273.0/20

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

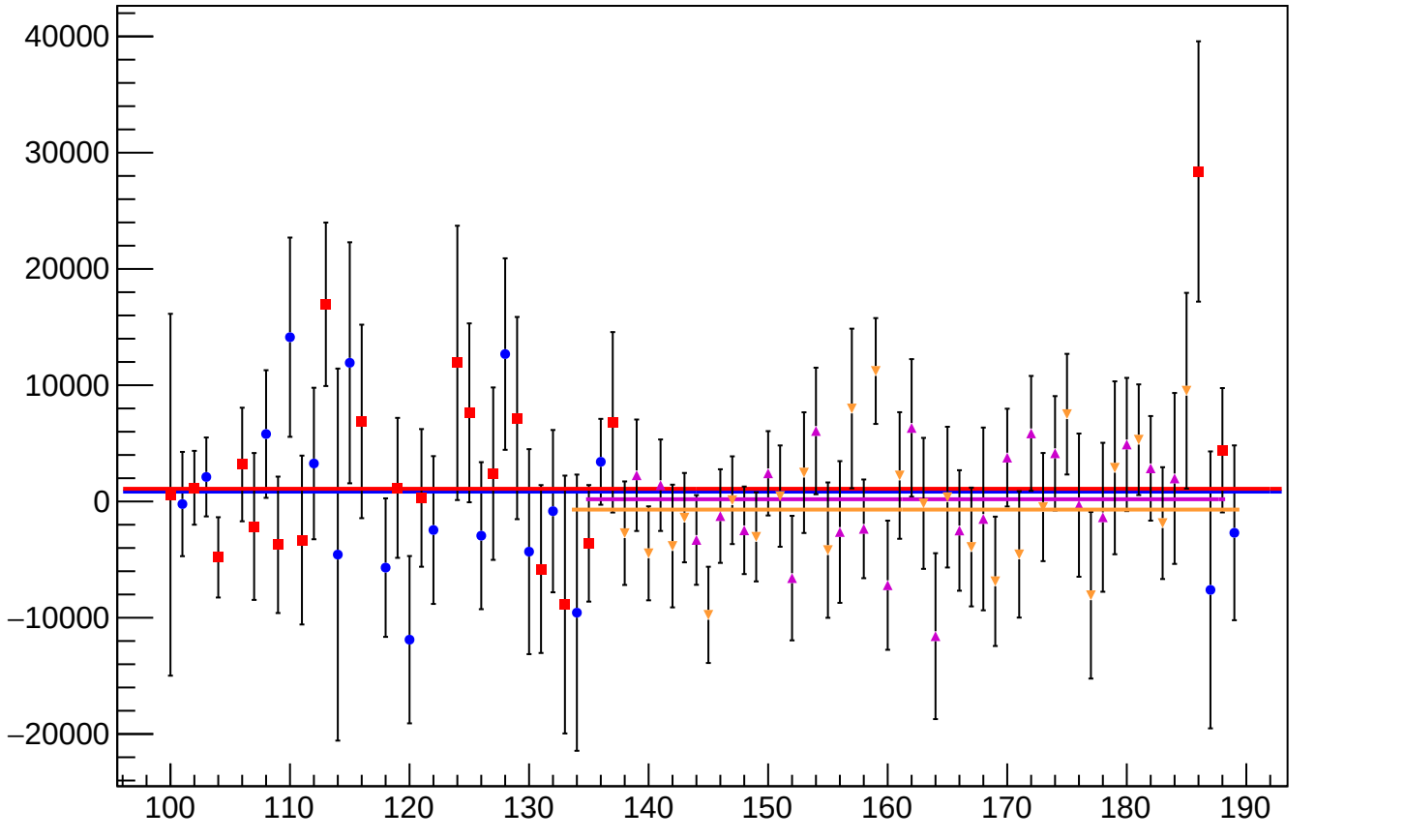
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1915.520+/-0.337 χ^2/NDF: 931264.8/38

In: 1873.399+/-0.260 χ^2/NDF:722699.8/40

Out: 1878.010+/-0.251 χ^2/NDF:270384.6/45

All: 1875.782+/-0.181 χ^2/NDF: 993246.9/86



Right In: 846.019+/-1457.765 χ^2/NDF: 14.2/17

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1091.450+/-1318.625 χ^2/NDF: 21.6/20

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

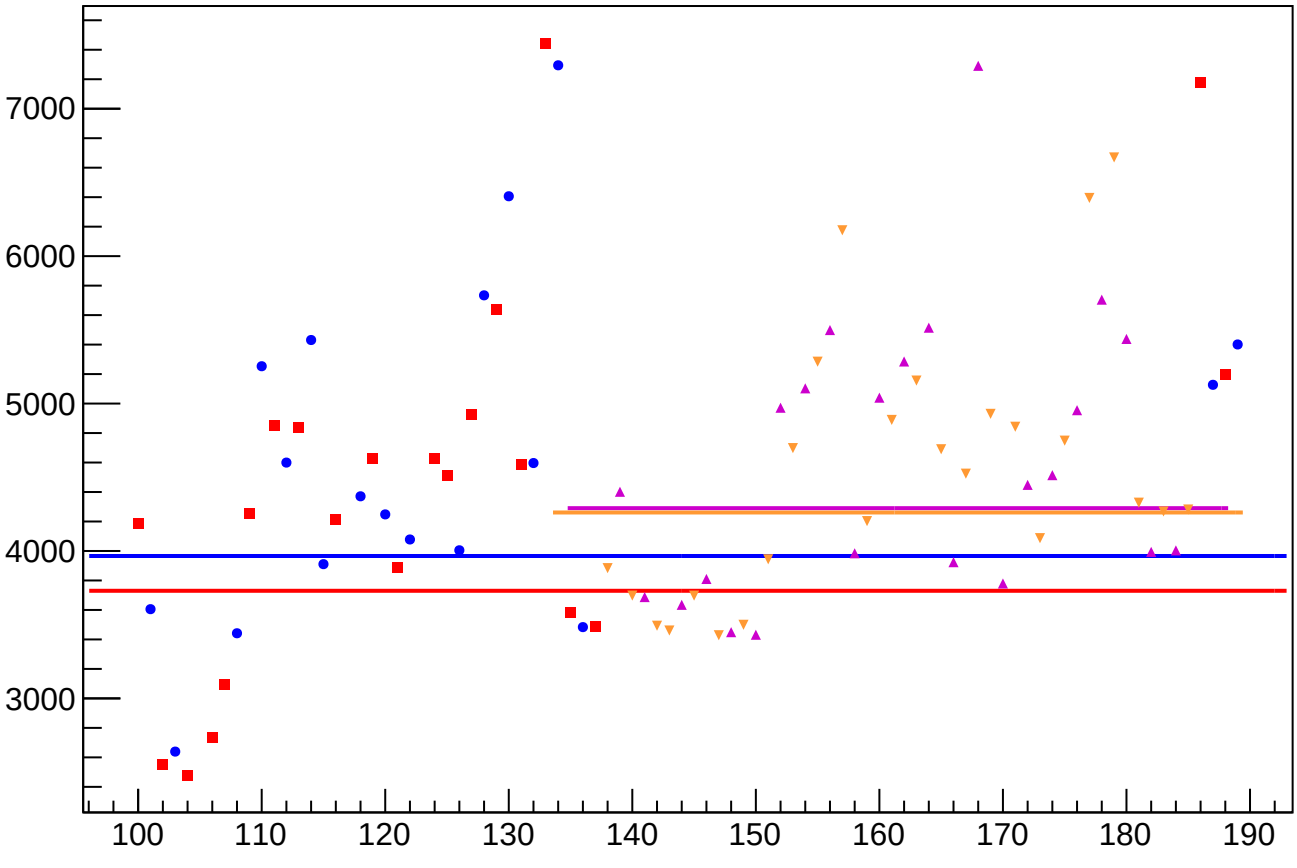
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 981.004+/-977.909 χ^2/NDF: 35.8/38

In: 407.981+/-837.091 χ^2/NDF:29.5/40

Out: -53.092+/-791.720 χ^2/NDF:48.1/45

All: 164.611+/-575.202 χ^2/NDF: 77.7/86



Right In: 3966.013+/-1.031 χ^2/NDF: 975339.7/17

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3730.016+/-0.932 χ^2/NDF: 1585666.6/20

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

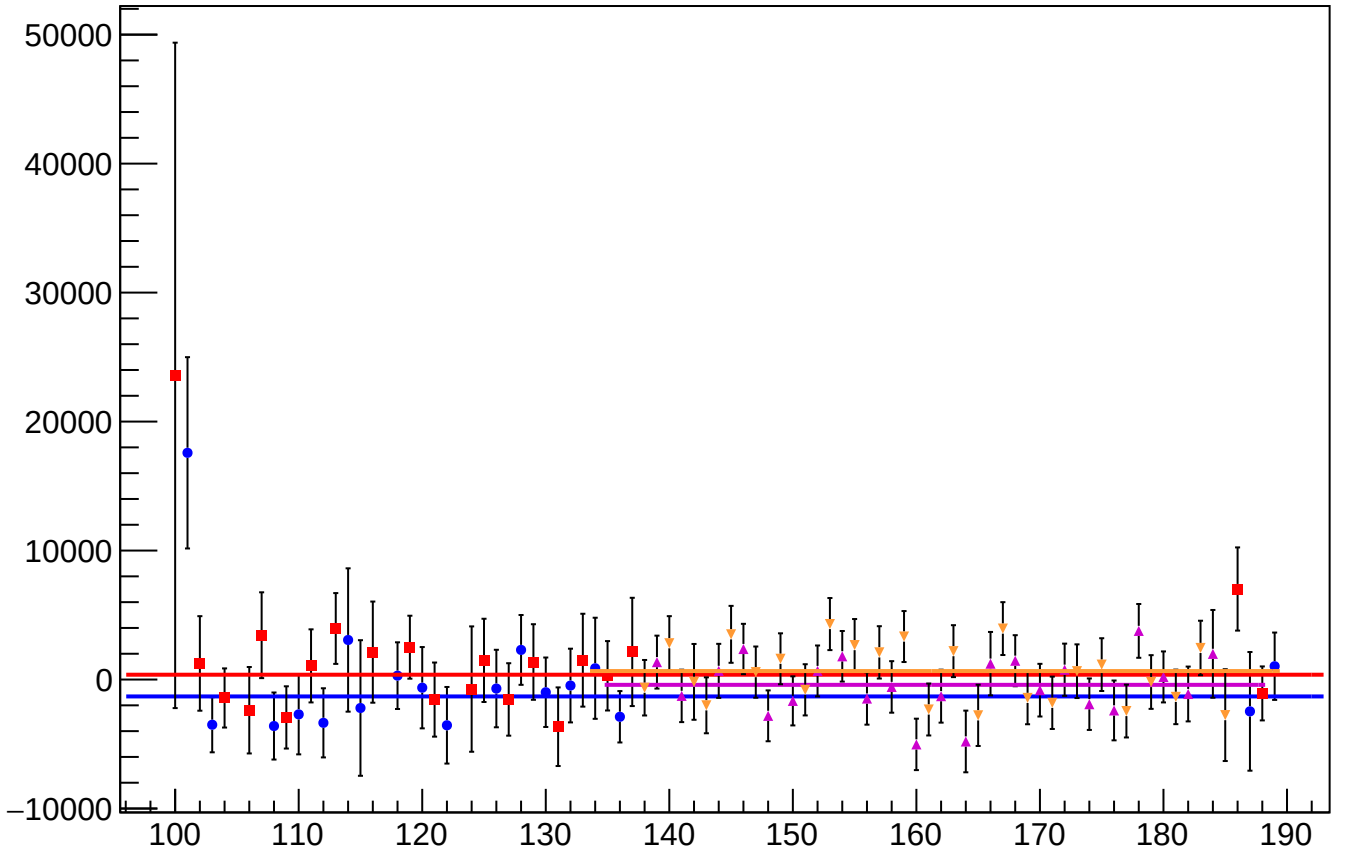
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 3836.217+/-0.691 χ^2/NDF: 2589834.6/38

In: 4183.436+/-0.592 χ^2/NDF:2255681.9/40

Out: 4069.661+/-0.560 χ^2/NDF:2983717.1/45

All: 4123.382+/-0.407 χ^2/NDF: 5258900.6/86



Right In: -1309.411+/-693.477 χ^2/NDF: 14.5/17

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 374.461+/-657.290 χ^2/NDF: 15.6/20

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

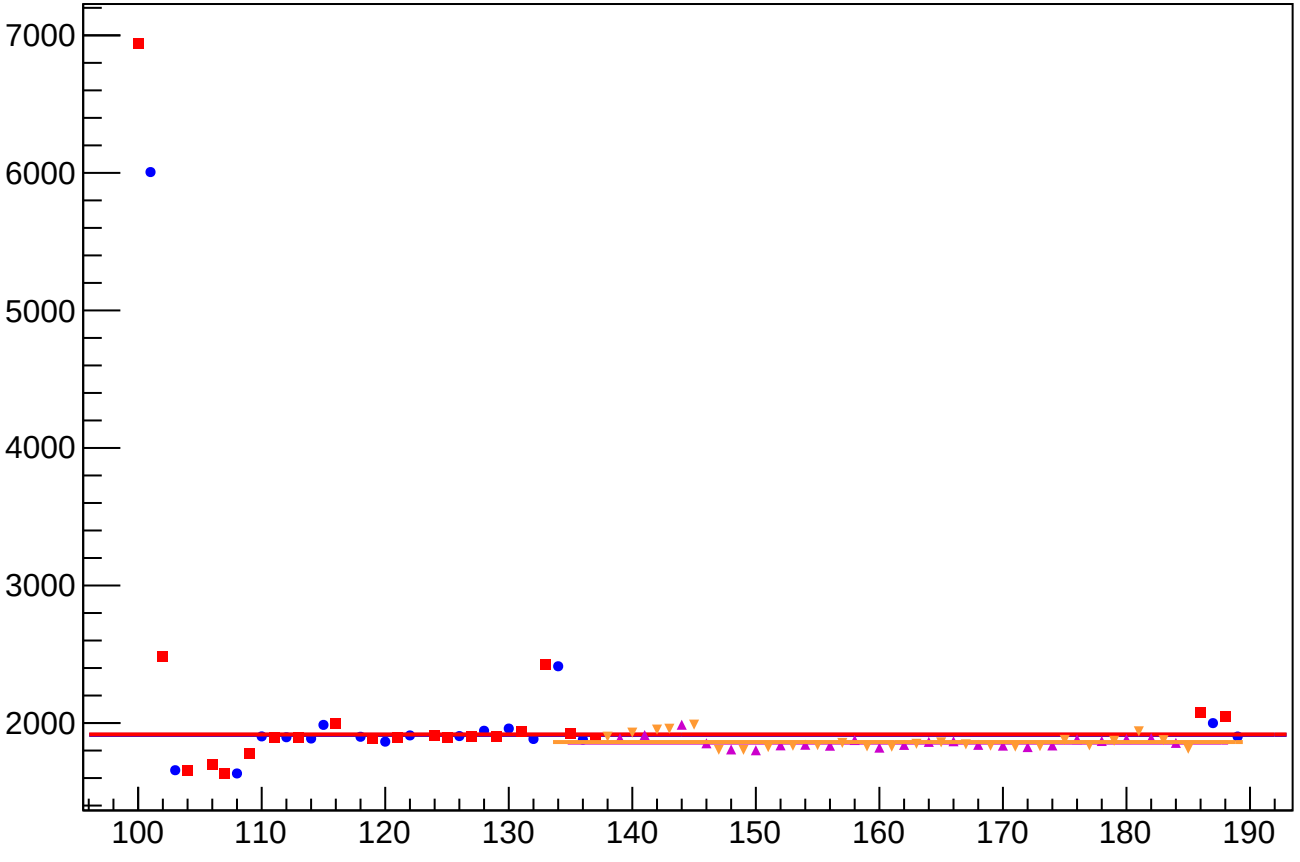
Right: -422.397+/-477.054 χ^2/NDF: 33.2/38

In: -663.631+/-367.806 χ^2/NDF:39.3/40

Out: 574.676+/-355.744 χ^2/NDF:42.7/45

All: -23.839+/-255.707 χ^2/NDF: 87.9/86

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1913.609+/-0.490 χ^2/NDF: 696962.9/17

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1917.234+/-0.464 χ^2/NDF: 234273.0/20

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

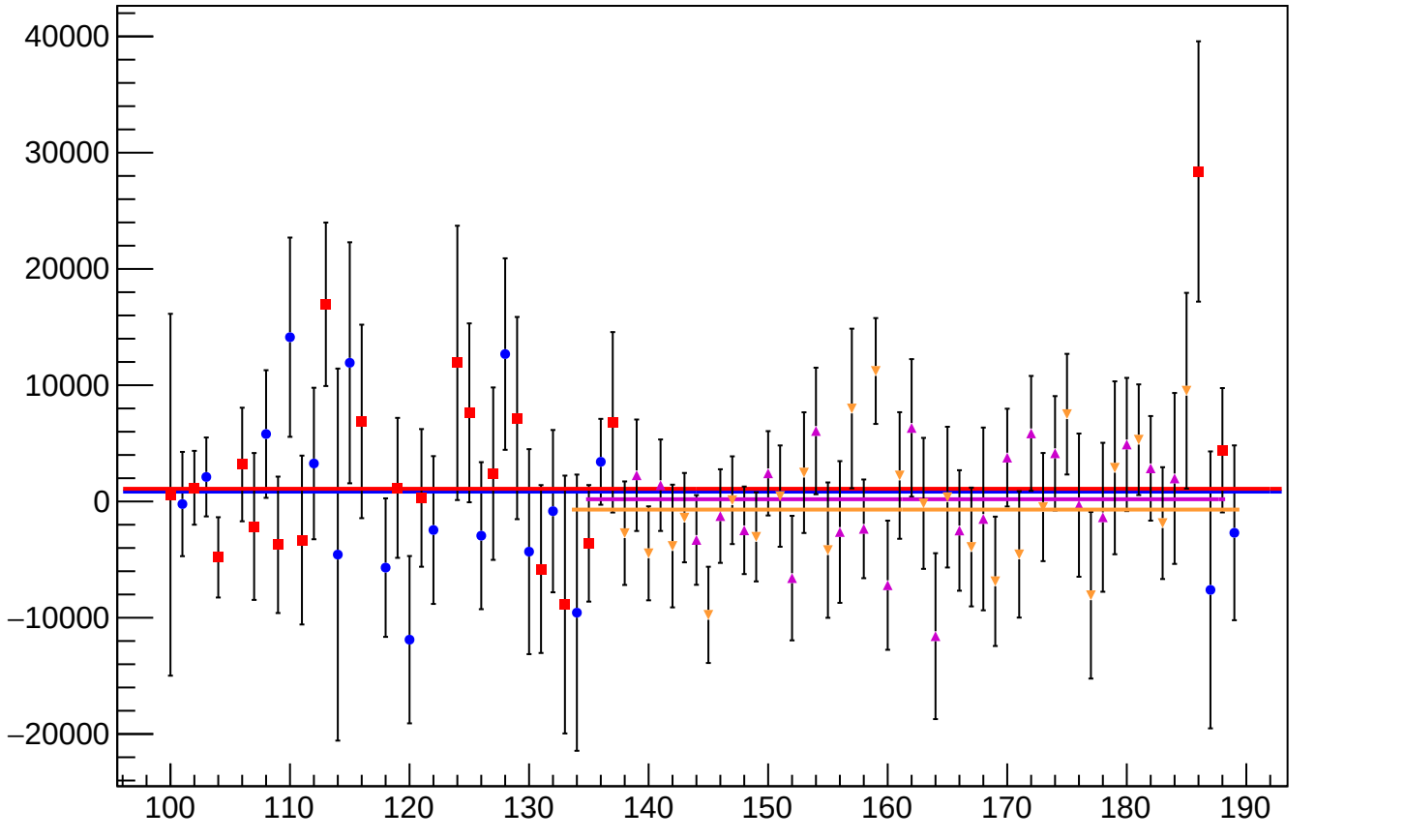
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

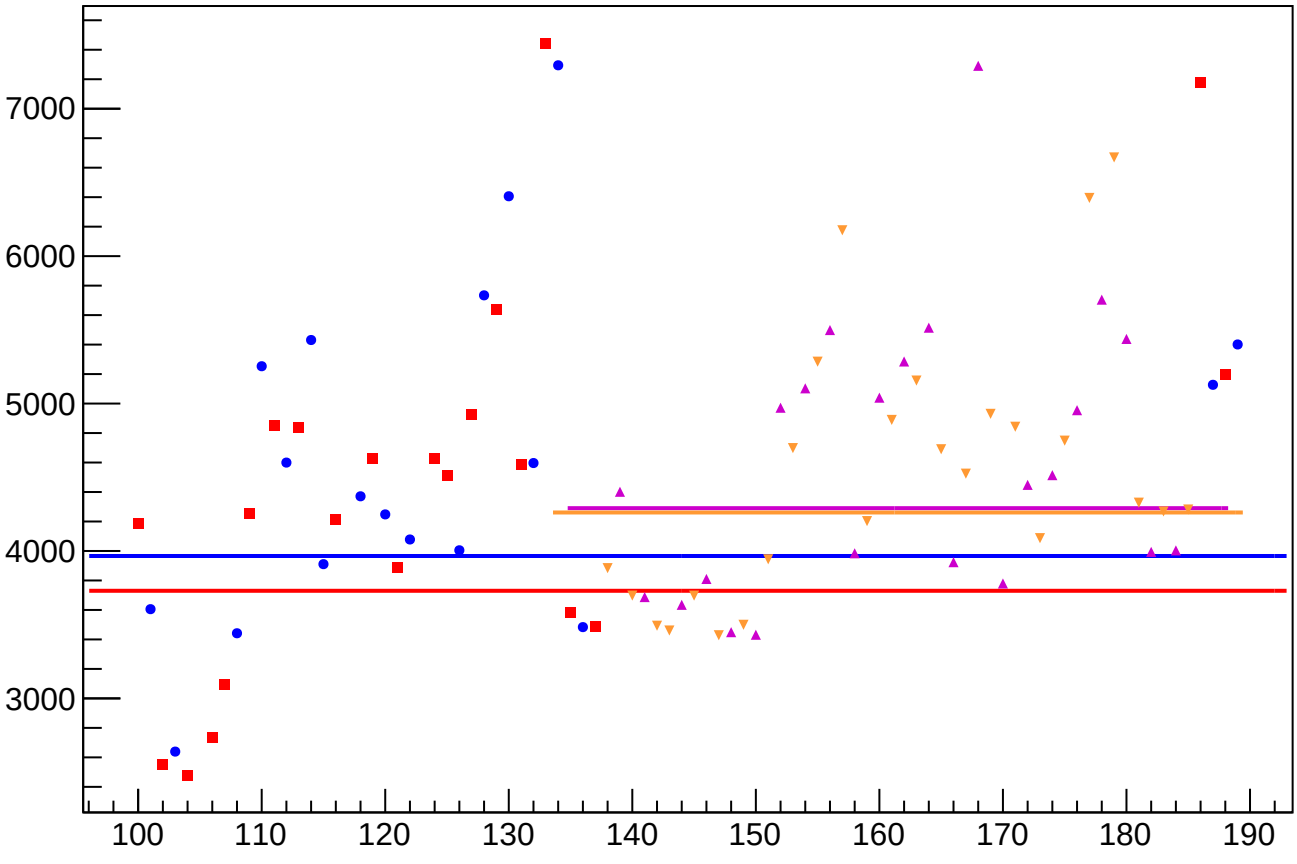
Right: 1915.520+/-0.337 χ^2/NDF: 931264.7/38

In: 1873.399+/-0.260 χ^2/NDF:722699.4/40

Out: 1878.011+/-0.251 χ^2/NDF:270384.5/45

All: 1875.783+/-0.181 χ^2/NDF: 993246.3/86


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 846.006+/-1457.764 χ²/NDF: 14.2/17
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 1091.449+/-1318.623 χ²/NDF: 21.6/20
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 980.997+/-977.909 χ²/NDF: 35.8/38
In: 407.979+/-837.091 χ²/NDF:29.5/40
Out: -53.090+/-791.721 χ²/NDF:48.1/45
All: 164.611+/-575.202 χ²/NDF: 77.7/86



Right In: 3966.010+/-1.031 χ^2/NDF: 975331.9/17

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 3730.014+/-0.932 χ^2/NDF: 1585659.8/20

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

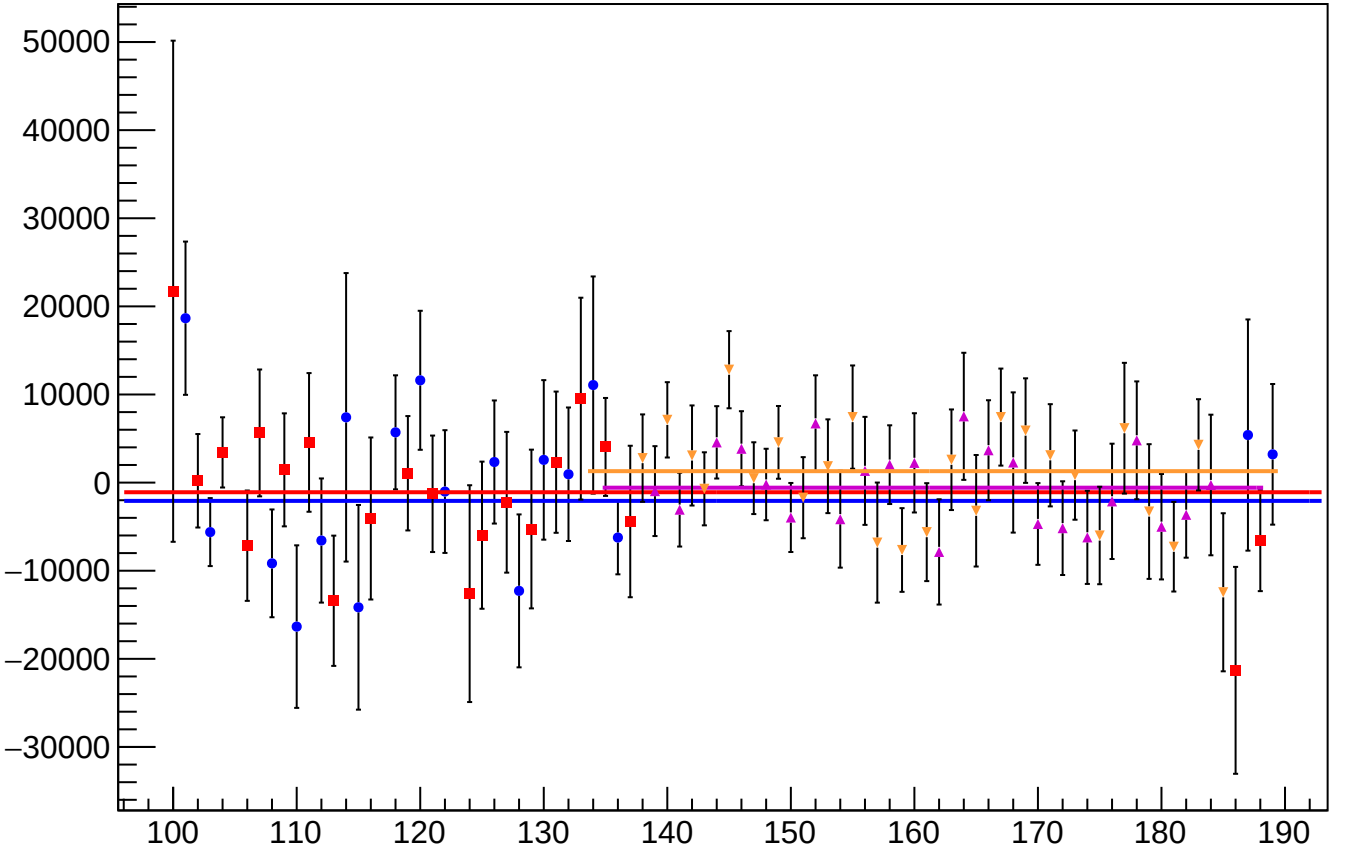
Right: 3836.214+/-0.691 χ^2/NDF: 2589820.2/38

In: 4183.439+/-0.592 χ^2/NDF:2255683.6/40

Out: 4069.664+/-0.560 χ^2/NDF:2983720.6/45

All: 4123.385+/-0.407 χ^2/NDF: 5258905.9/86

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2074.533+/-1667.471 χ^2/NDF: 21.7/17

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1092.732+/-1547.542 χ^2/NDF: 14.8/20

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

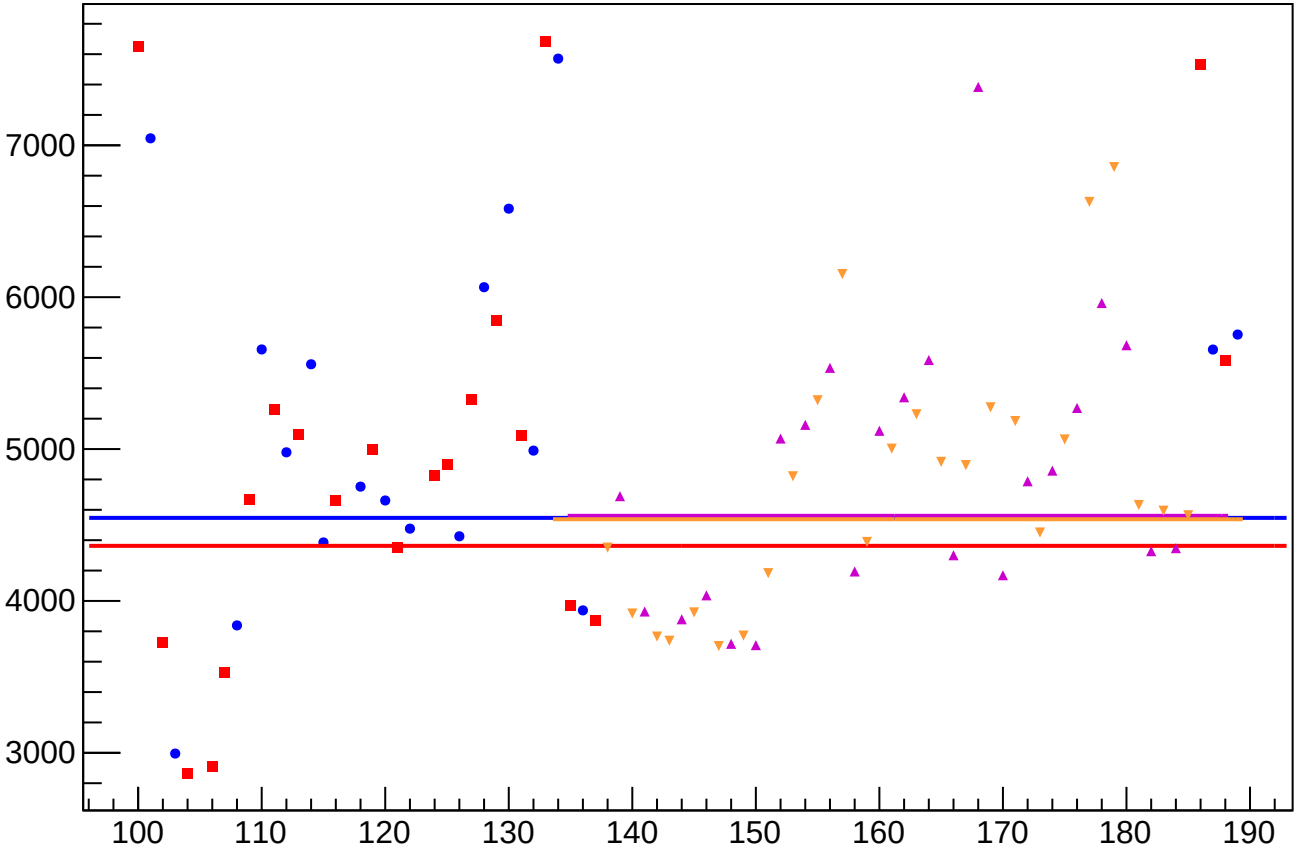
Right: -1547.060+/-1134.308 χ^2/NDF: 36.7/38

In: -1020.396+/-907.733 χ^2/NDF:36.7/40

Out: 545.050+/-868.628 χ^2/NDF:45.0/45

All: -203.228+/-627.582 χ^2/NDF: 83.2/86

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4546.993+/-1.179 χ^2/NDF: 955511.1/17

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4362.753+/-1.086 χ^2/NDF: 1101599.6/20

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

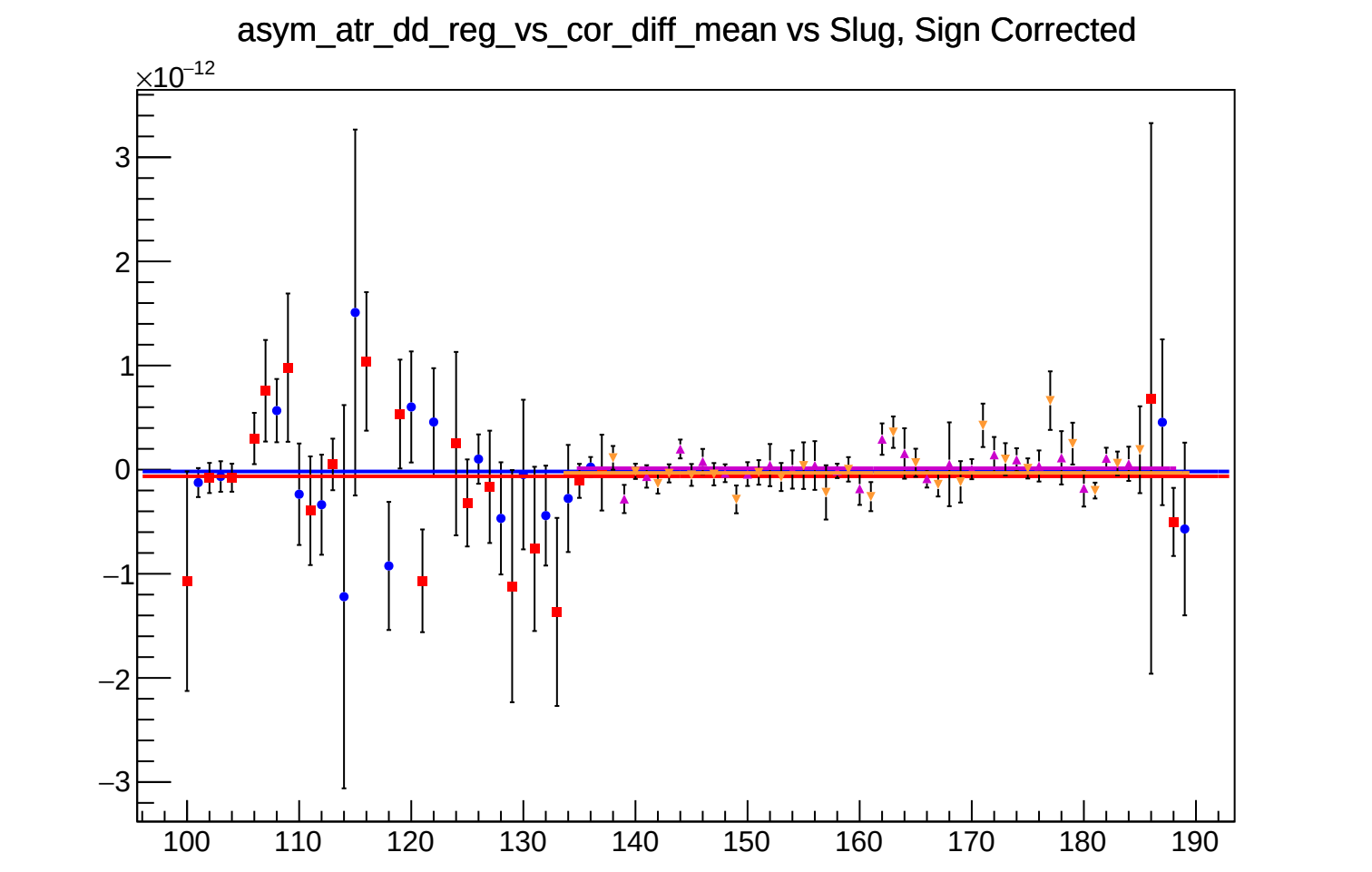
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4447.327+/-0.799 χ^2/NDF: 2070318.9/38

In: 4556.501+/-0.642 χ^2/NDF:1935804.8/40

Out: 4482.178+/-0.613 χ^2/NDF:2112238.9/45

All: 4517.617+/-0.443 χ^2/NDF: 4055058.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/20

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

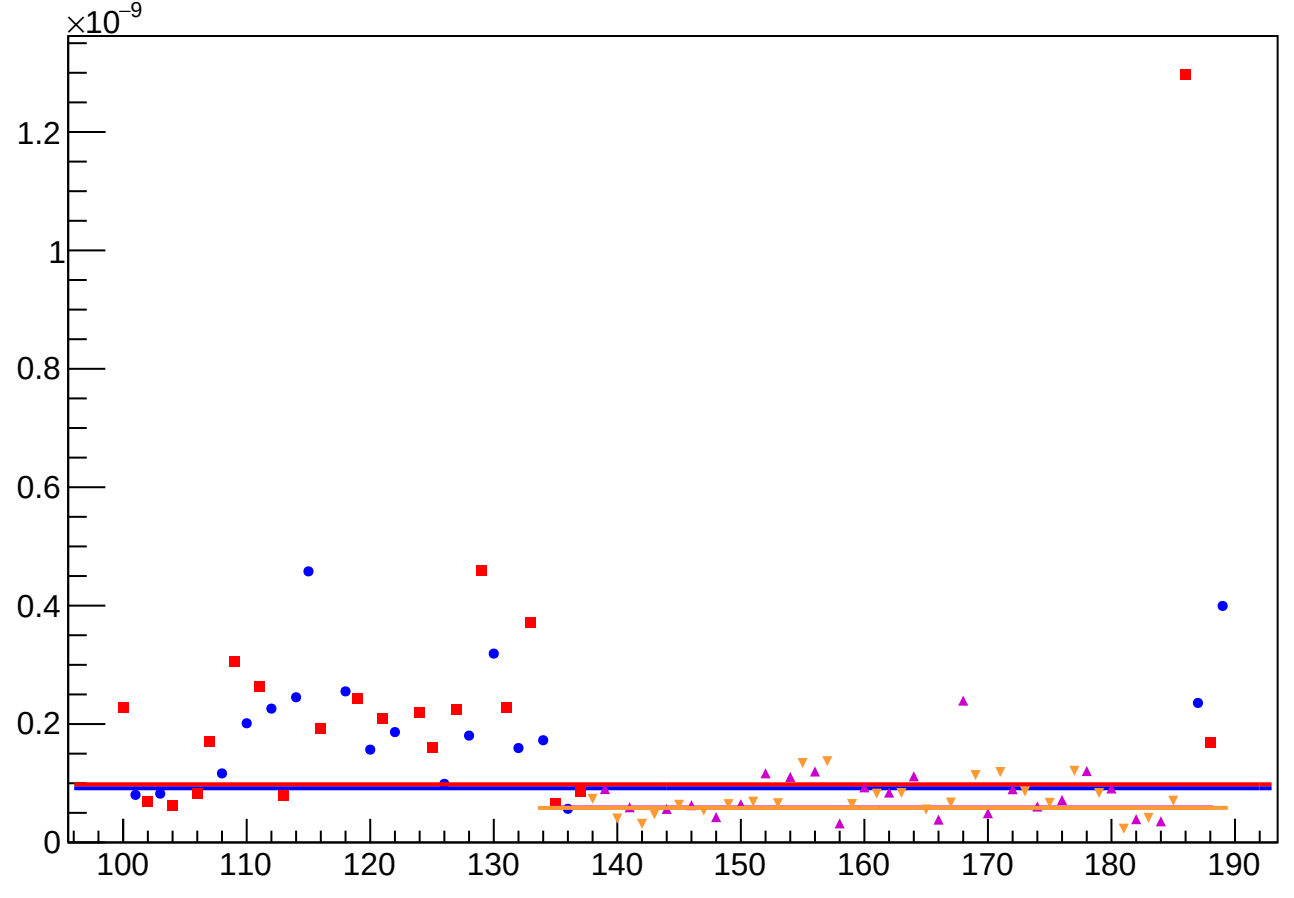
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 37.0/38

In: 0.000+/-0.000 χ^2/NDF:34.4/40

Out: -0.000+/-0.000 χ^2/NDF:61.3/45

All: -0.000+/-0.000 χ^2/NDF: 97.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 1575216.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2206850.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

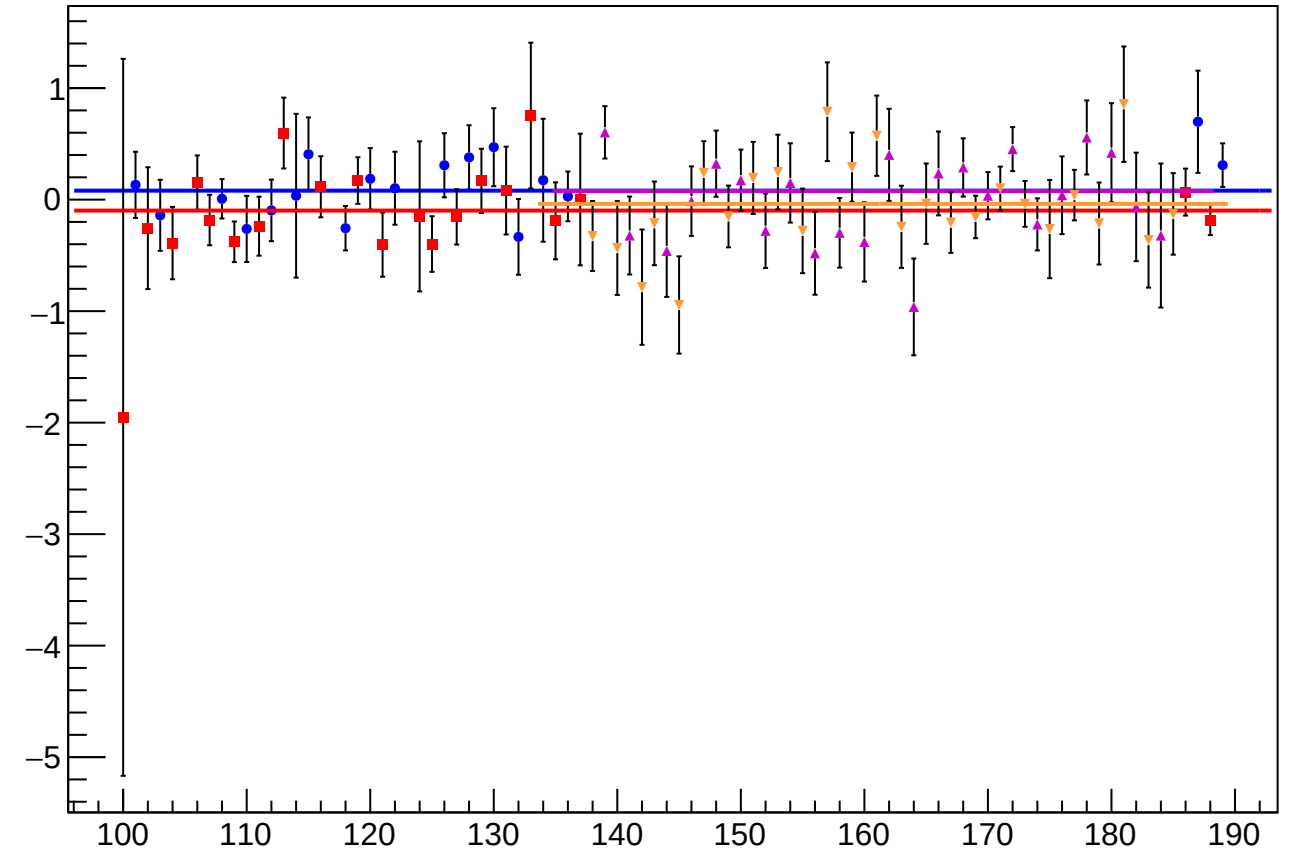
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 3793172.9/38

In: 0.000+/-0.000 χ^2/NDF:4158030.0/40

Out: 0.000+/-0.000 χ^2/NDF:4771563.4/45

All: 0.000+/-0.000 χ^2/NDF: 8930926.9/86



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.098+/-0.058 χ^2/NDF: 18.6/20

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

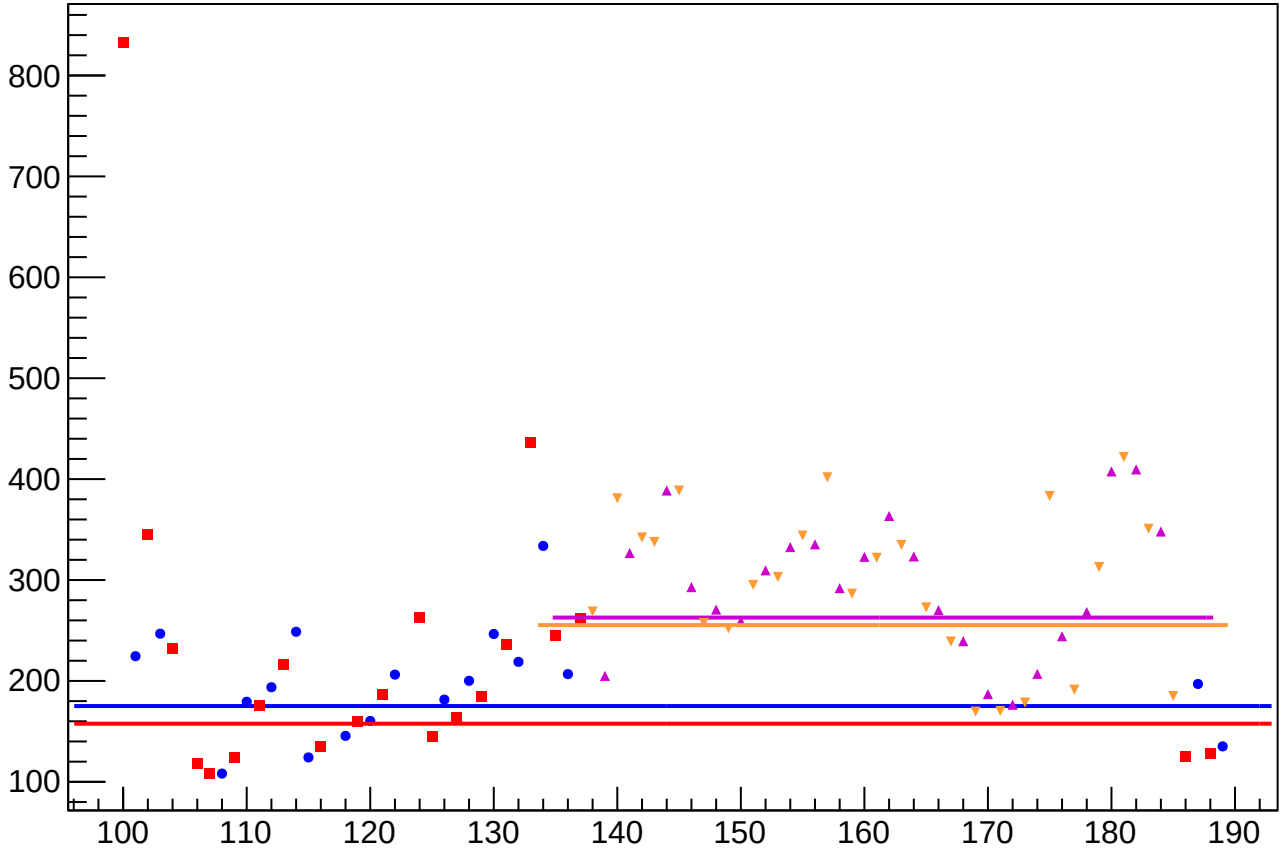
Right: -0.020+/-0.044 χ^2/NDF: 36.9/38

In: 0.079+/-0.046 χ^2/NDF:45.2/40

Out: -0.070+/-0.042 χ^2/NDF:43.6/45

All: -0.002+/-0.031 χ^2/NDF: 94.4/86

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.093+/-0.046 χ^2/NDF: 1015719.6/17

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 157.626+/-0.041 χ^2/NDF: 1601794.7/20

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

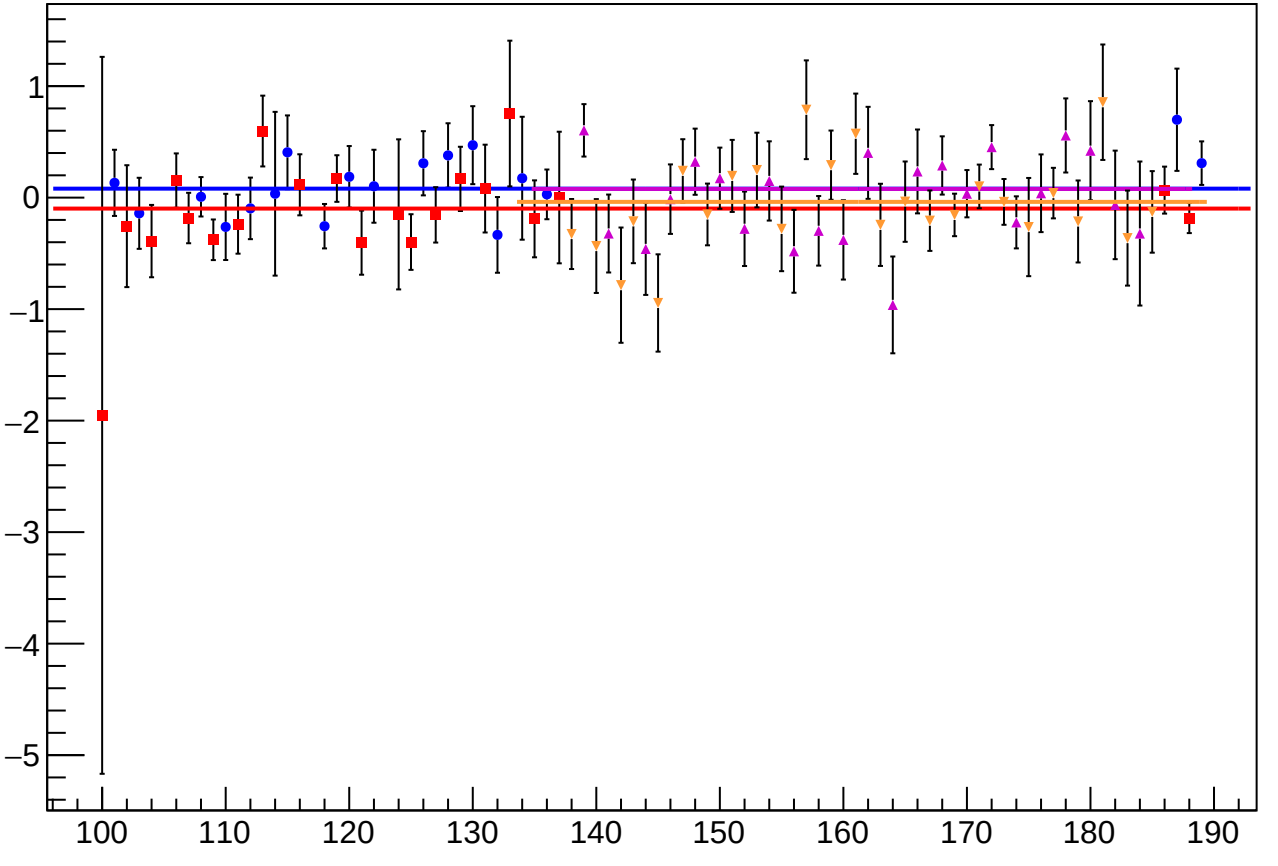
Right: 165.300+/-0.031 χ^2/NDF: 2696789.6/38

In: 219.480+/-0.033 χ^2/NDF:4845238.0/40

Out: 203.424+/-0.030 χ^2/NDF:7184298.5/45

All: 210.769+/-0.022 χ^2/NDF: 12160808.2/86

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.098+/-0.058 χ^2/NDF: 18.6/20

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

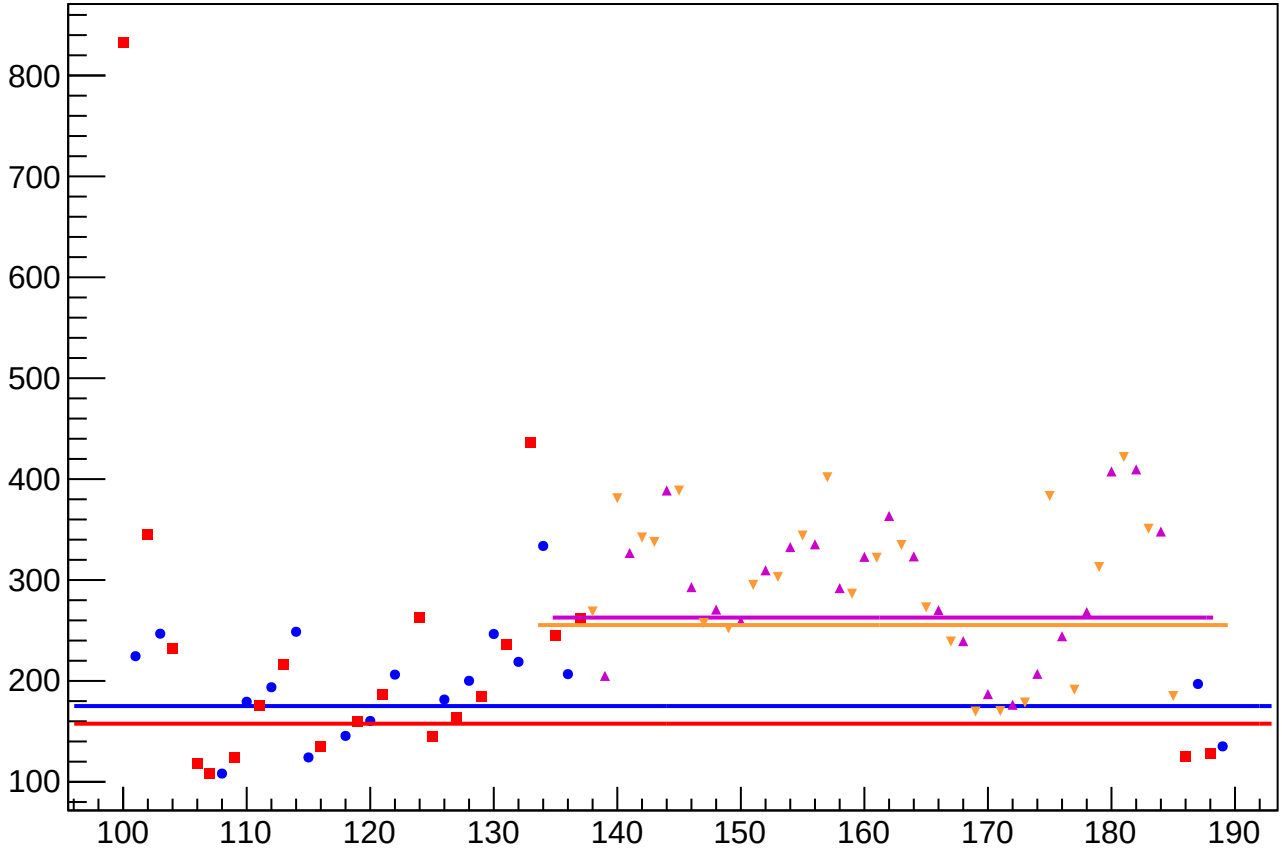
Right: -0.020+/-0.044 χ^2/NDF: 36.9/38

In: 0.079+/-0.046 χ^2/NDF:45.2/40

Out: -0.070+/-0.042 χ^2/NDF:43.6/45

All: -0.002+/-0.031 χ^2/NDF: 94.4/86

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.093+/-0.046 χ^2/NDF: 1015719.6/17

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 157.626+/-0.041 χ^2/NDF: 1601794.7/20

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

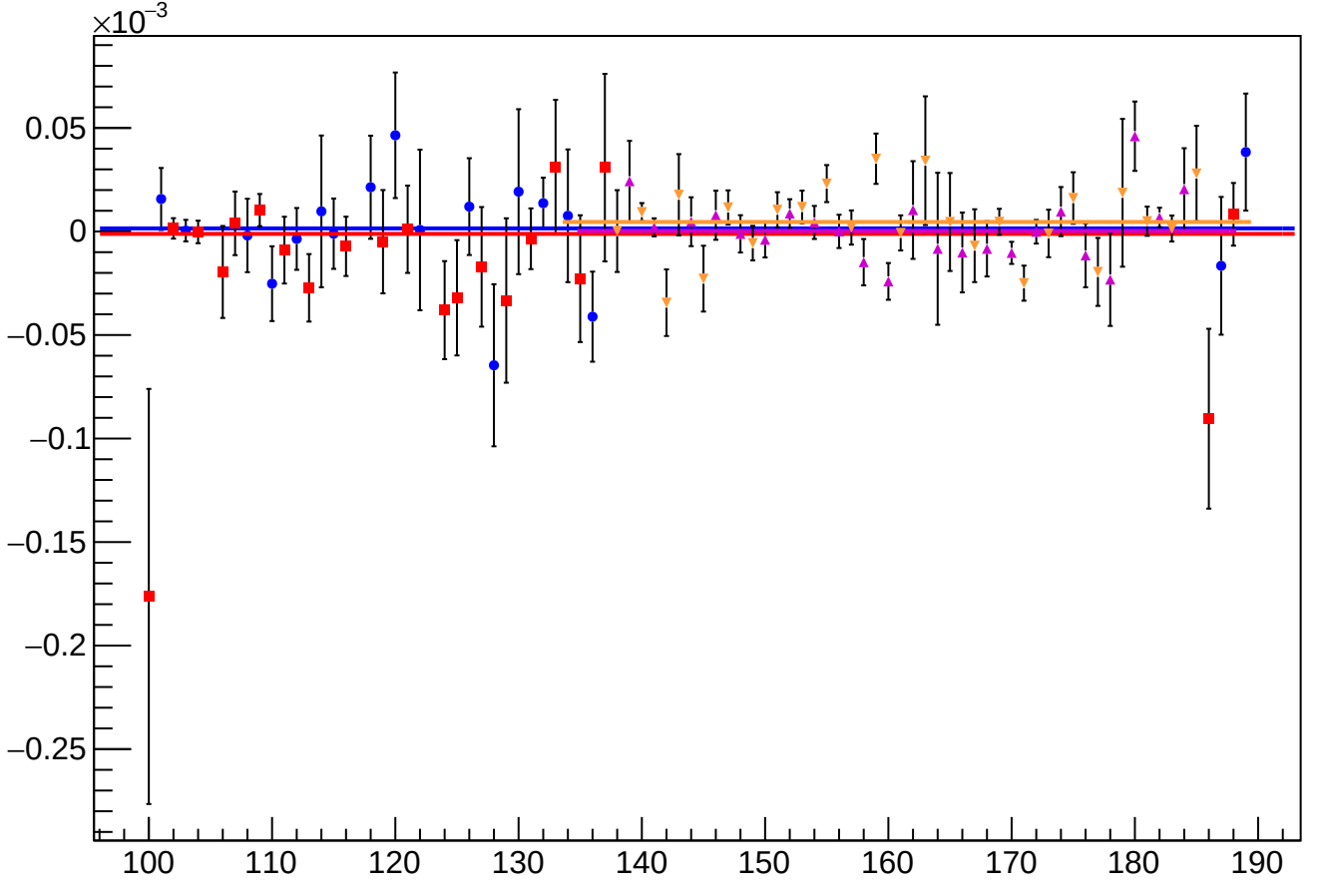
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 165.300+/-0.031 χ^2/NDF: 2696789.6/38

In: 219.480+/-0.033 χ^2/NDF:4845238.0/40

Out: 203.424+/-0.030 χ^2/NDF:7184298.5/45

All: 210.769+/-0.022 χ^2/NDF: 12160808.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

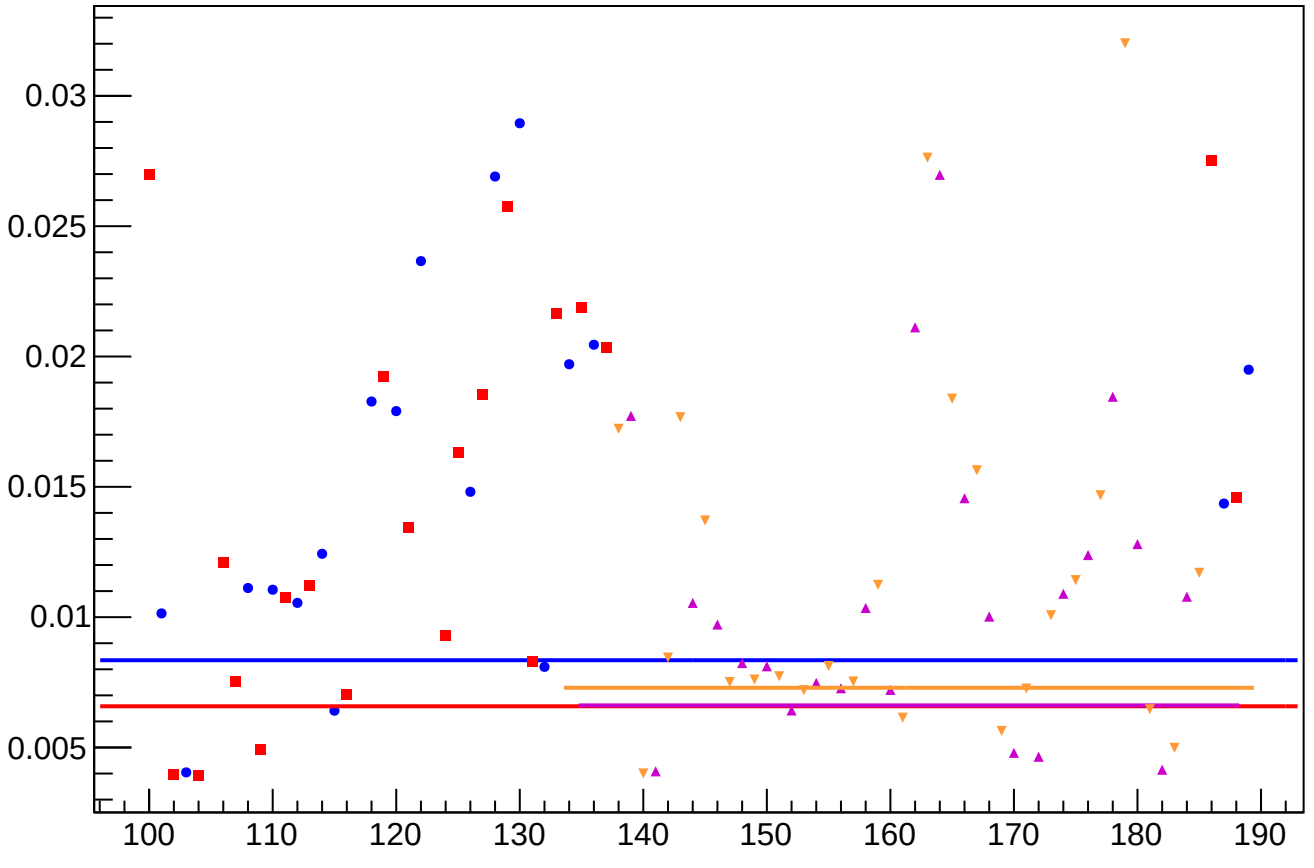
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 37.2/38

In: 0.000+/-0.000 χ^2/NDF:47.6/40

Out: 0.000+/-0.000 χ^2/NDF:66.9/45

All: 0.000+/-0.000 χ^2/NDF: 115.6/86



Right In: 0.008+/-0.000 χ^2/NDF: 4800188.1/17

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5620917.0/20

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

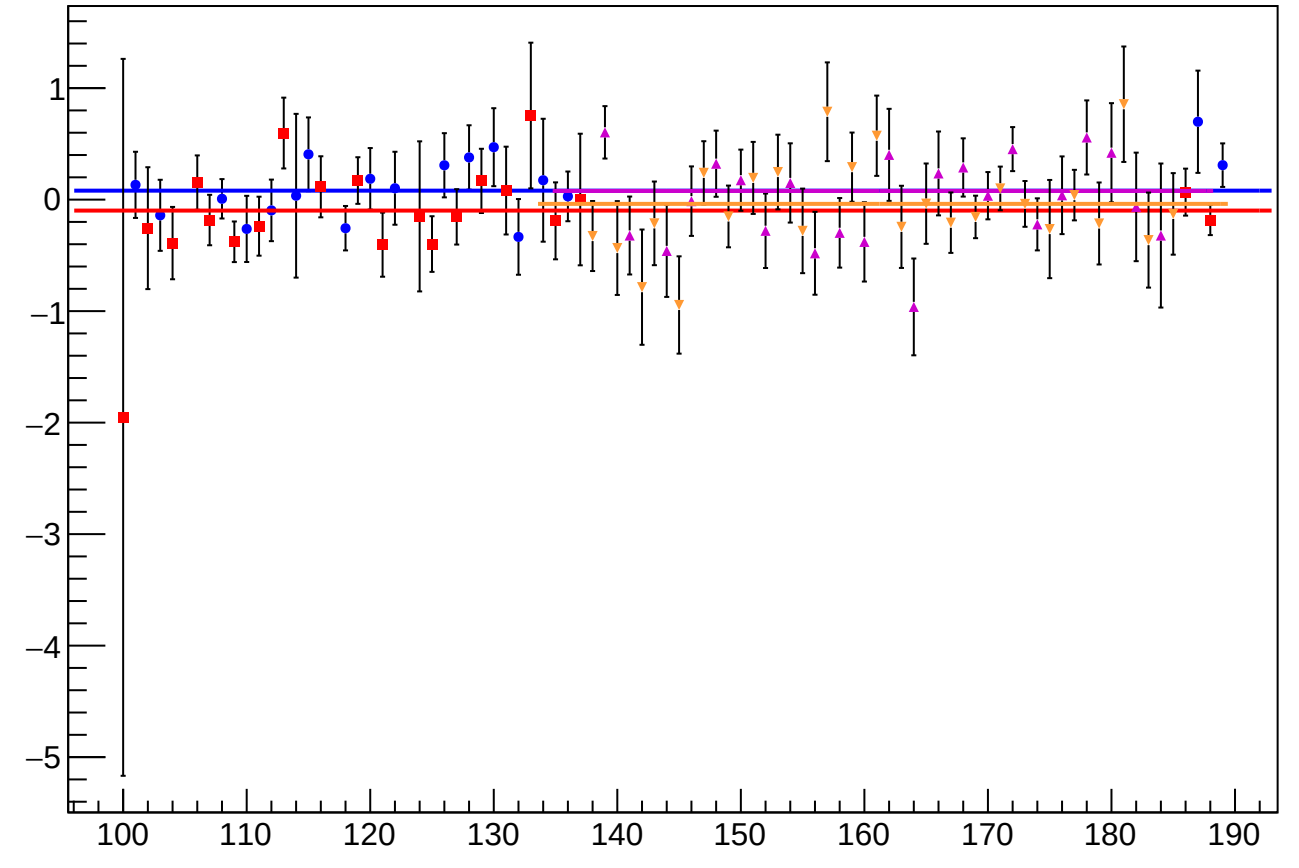
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.007+/-0.000 χ^2/NDF: 10718254.5/38

In: 0.007+/-0.000 χ^2/NDF:11571940.6/40

Out: 0.007+/-0.000 χ^2/NDF:12483450.4/45

All: 0.007+/-0.000 χ^2/NDF: 24060710.8/86



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.098+/-0.058 χ^2/NDF: 18.6/20

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

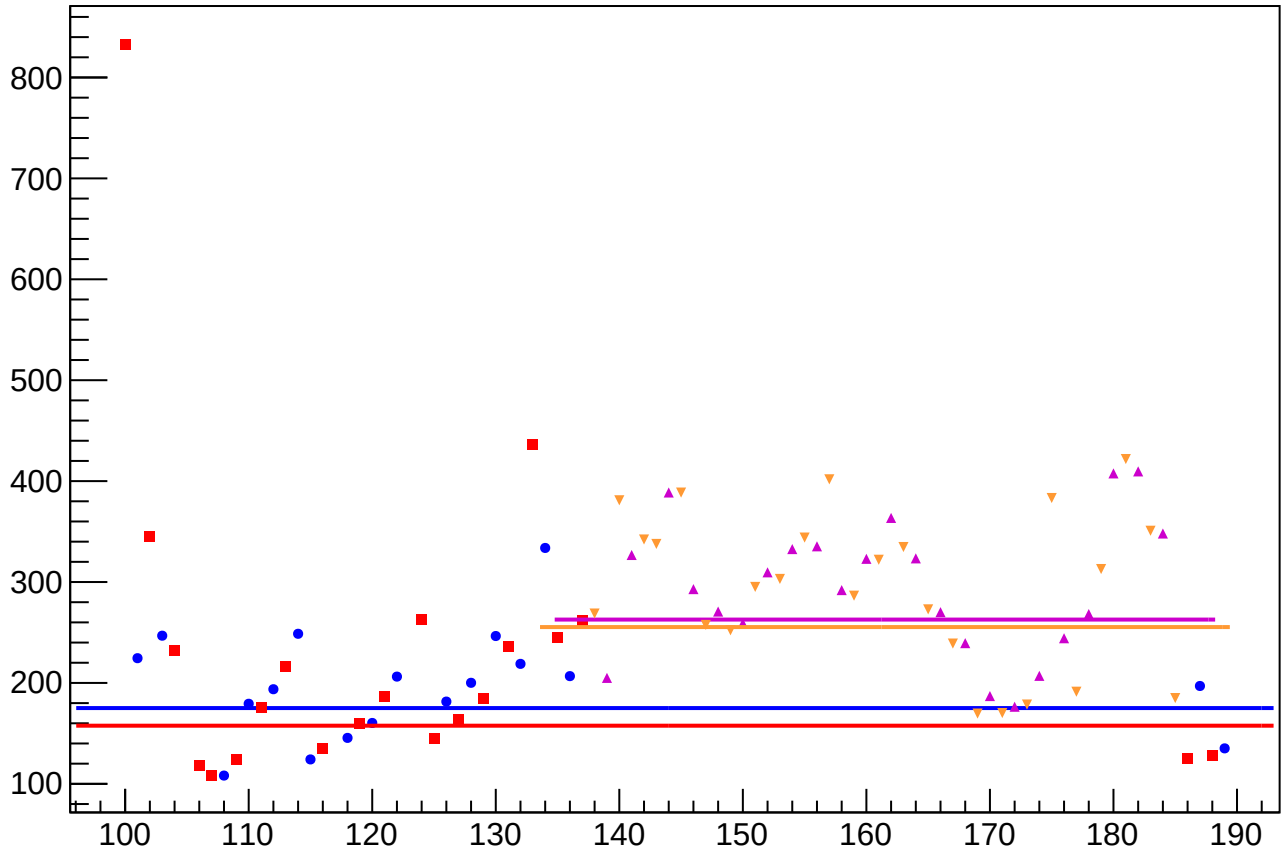
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.020+/-0.044 χ^2/NDF: 36.9/38

In: 0.079+/-0.046 χ^2/NDF:45.2/40

Out: -0.070+/-0.042 χ^2/NDF:43.6/45

All: -0.002+/-0.031 χ^2/NDF: 94.4/86



Right In: 175.092+/-0.046 χ^2/NDF: 1015699.2/17

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 157.628+/-0.041 χ^2/NDF: 1601753.1/20

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

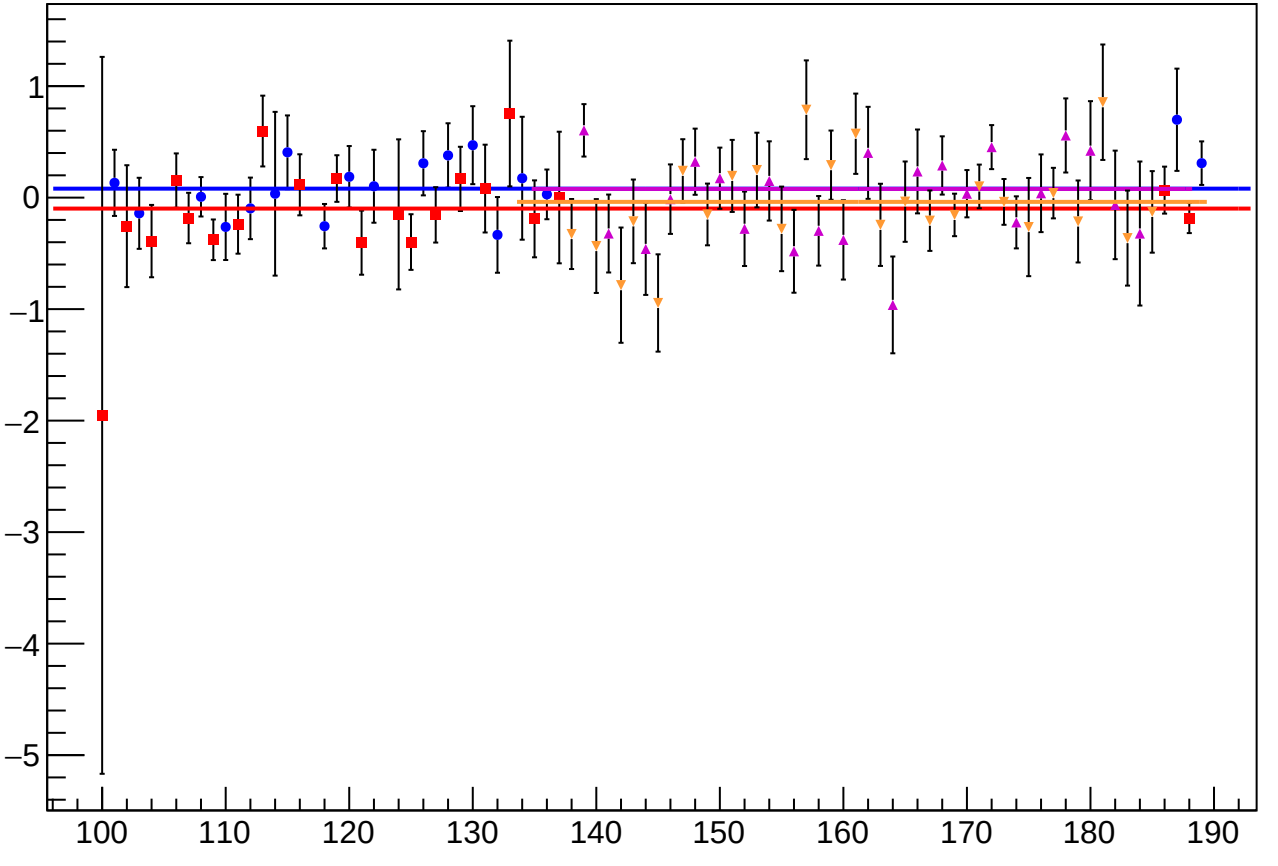
Right: 165.301+/-0.031 χ^2/NDF: 2696711.2/38

In: 219.481+/-0.033 χ^2/NDF:4845361.3/40

Out: 203.425+/-0.030 χ^2/NDF:7184341.3/45

All: 210.770+/-0.022 χ^2/NDF: 12160953.5/86

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.066 χ^2/NDF: 14.1/17

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.098+/-0.058 χ^2/NDF: 18.6/20

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

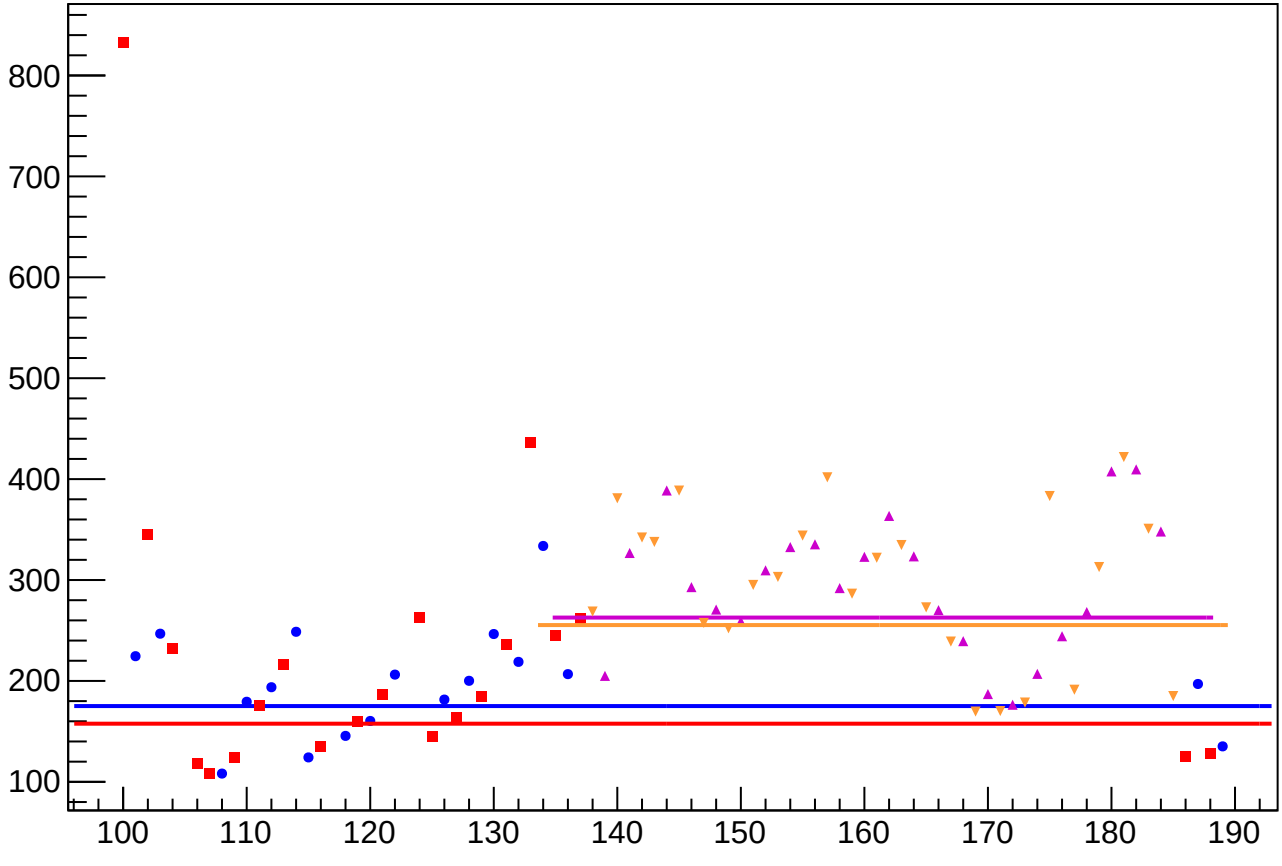
Right: -0.020+/-0.044 χ^2/NDF: 36.9/38

In: 0.079+/-0.046 χ^2/NDF:45.2/40

Out: -0.070+/-0.042 χ^2/NDF:43.6/45

All: -0.002+/-0.031 χ^2/NDF: 94.4/86

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.092+/-0.046 χ^2/NDF: 1015699.2/17

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 157.628+/-0.041 χ^2/NDF: 1601753.1/20

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

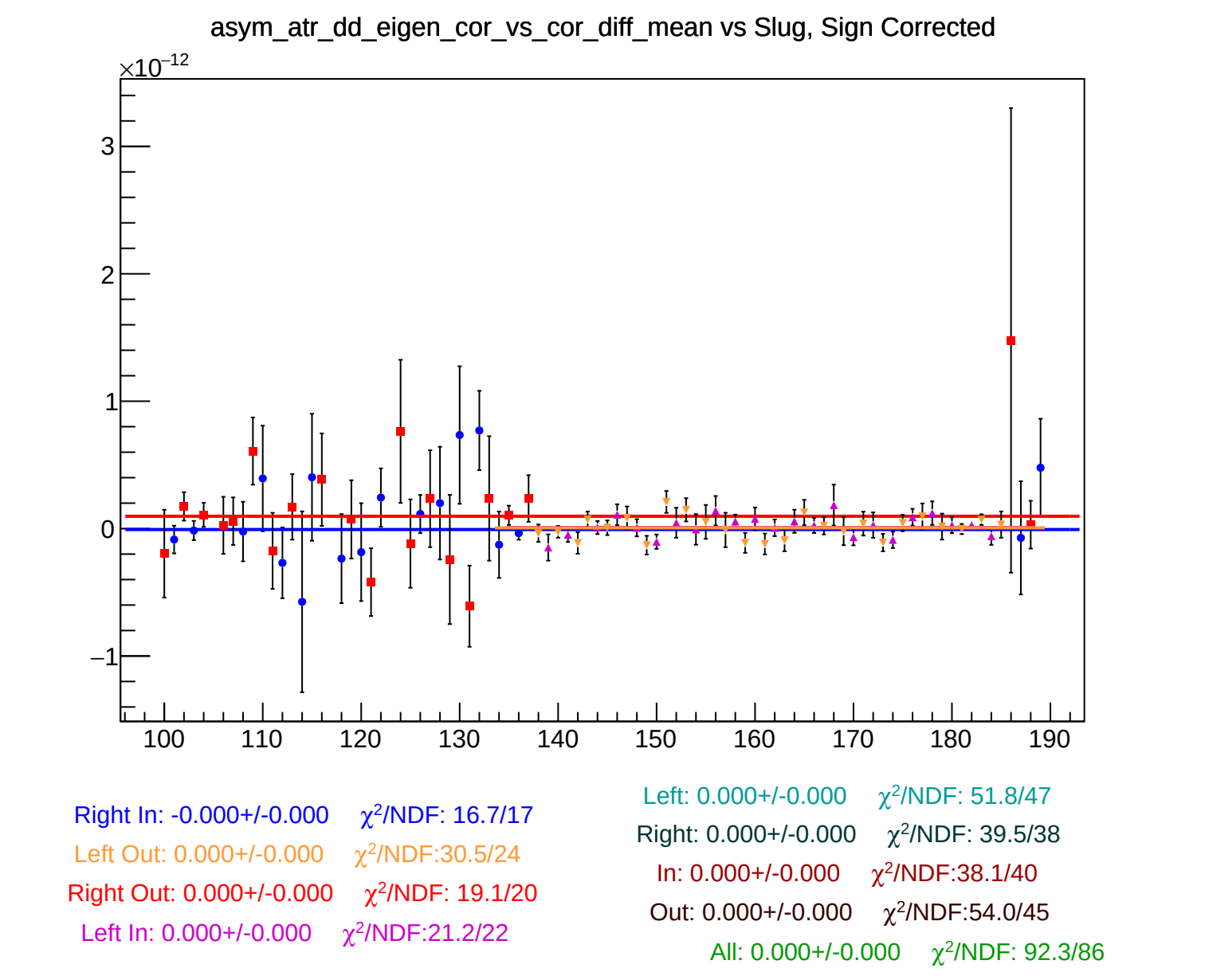
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

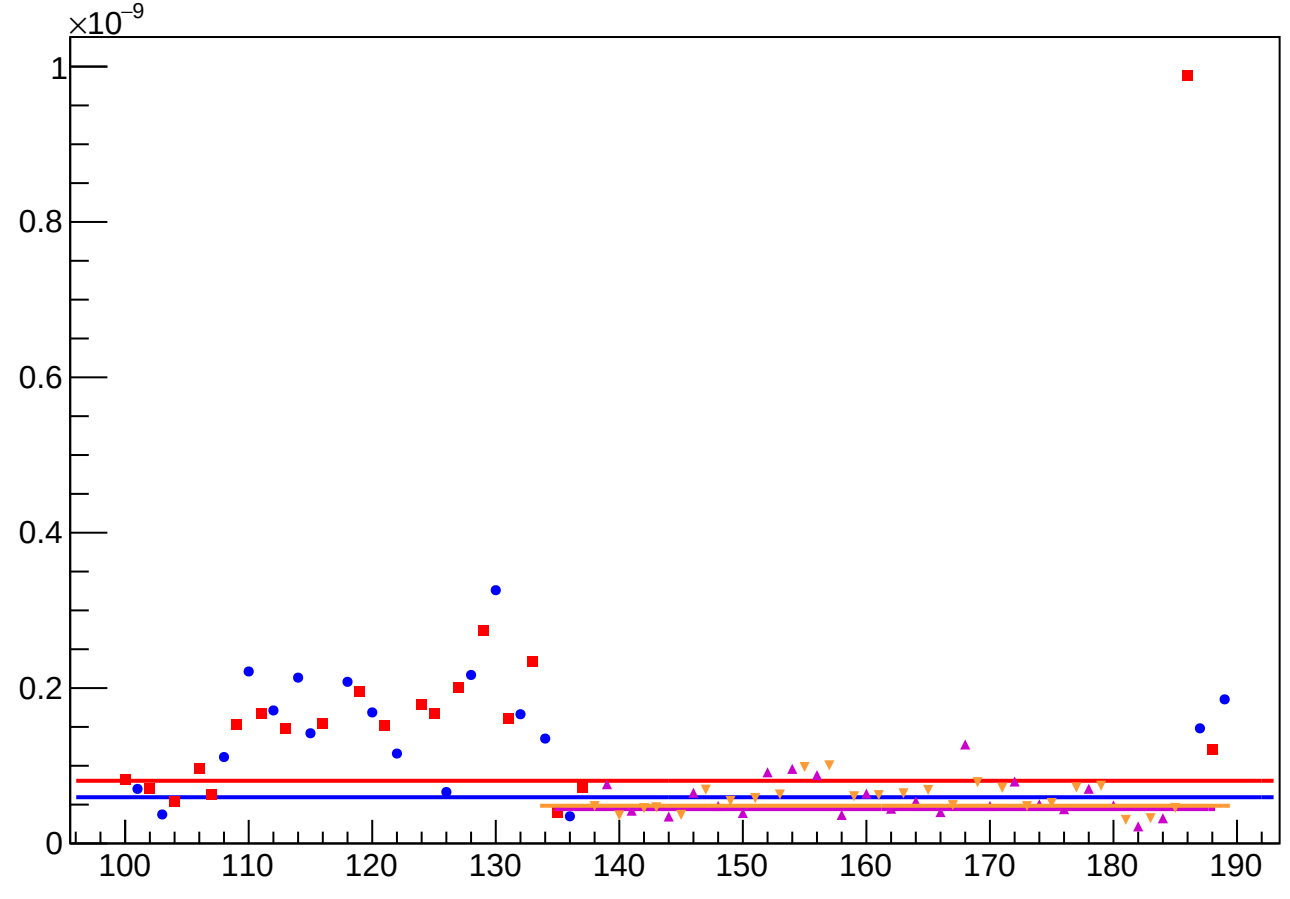
Right: 165.301+/-0.031 χ^2/NDF: 2696711.2/38

In: 219.481+/-0.033 χ^2/NDF:4845361.3/40

Out: 203.425+/-0.030 χ^2/NDF:7184341.3/45

All: 210.770+/-0.022 χ^2/NDF: 12160953.5/86


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.7/17
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.1/20
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: 39.5/38
In: 0.000+/-0.000 χ²/NDF:38.1/40
Out: 0.000+/-0.000 χ²/NDF:54.0/45
All: 0.000+/-0.000 χ²/NDF: 92.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 3622265.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3327928.7/20

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

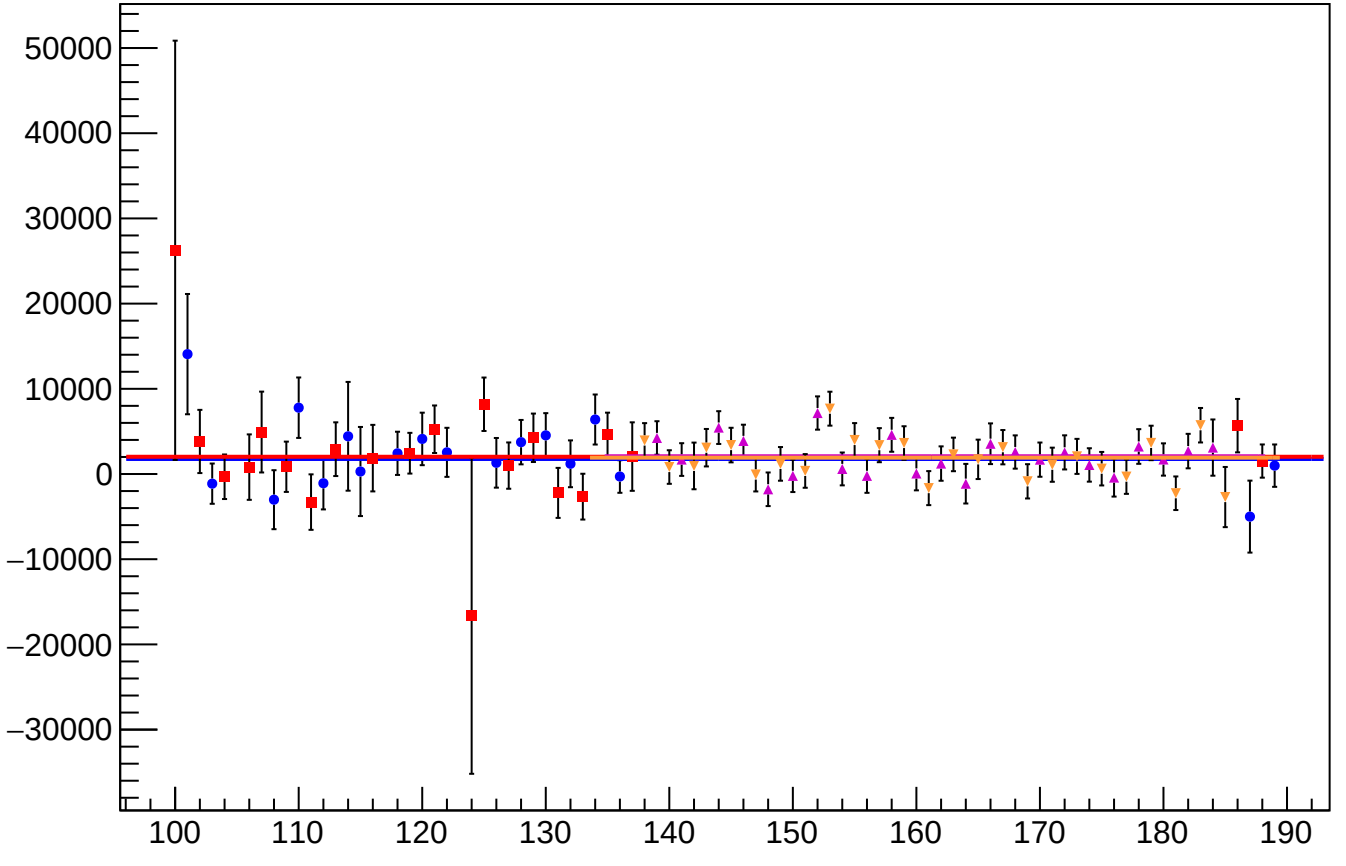
Right: 0.000+/-0.000 χ^2/NDF: 7257723.8/38

In: 0.000+/-0.000 χ^2/NDF:7577406.4/40

Out: 0.000+/-0.000 χ^2/NDF:6913652.2/45

All: 0.000+/-0.000 χ^2/NDF: 14680241.8/86

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1764.911+/-696.254 χ^2/NDF: 19.3/17

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2024.755+/-673.083 χ^2/NDF: 20.0/20

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

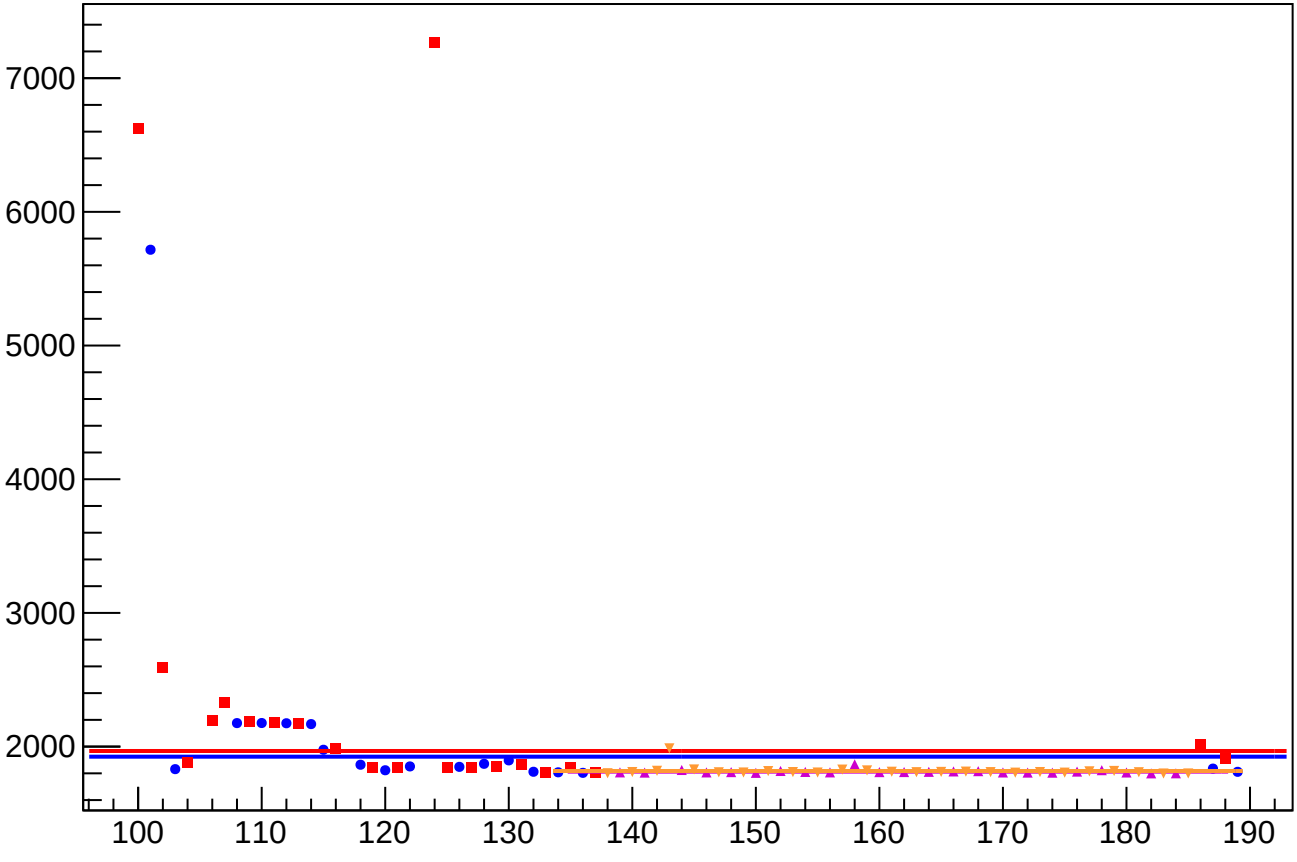
Right: 1899.229+/-483.926 χ^2/NDF: 39.3/38

In: 1990.763+/-361.638 χ^2/NDF:45.9/40

Out: 1949.097+/-351.963 χ^2/NDF:52.5/45

All: 1969.365+/-252.227 χ^2/NDF: 98.4/86

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.7/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1967.149+/-0.476 χ^2/NDF: 379950.4/20

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

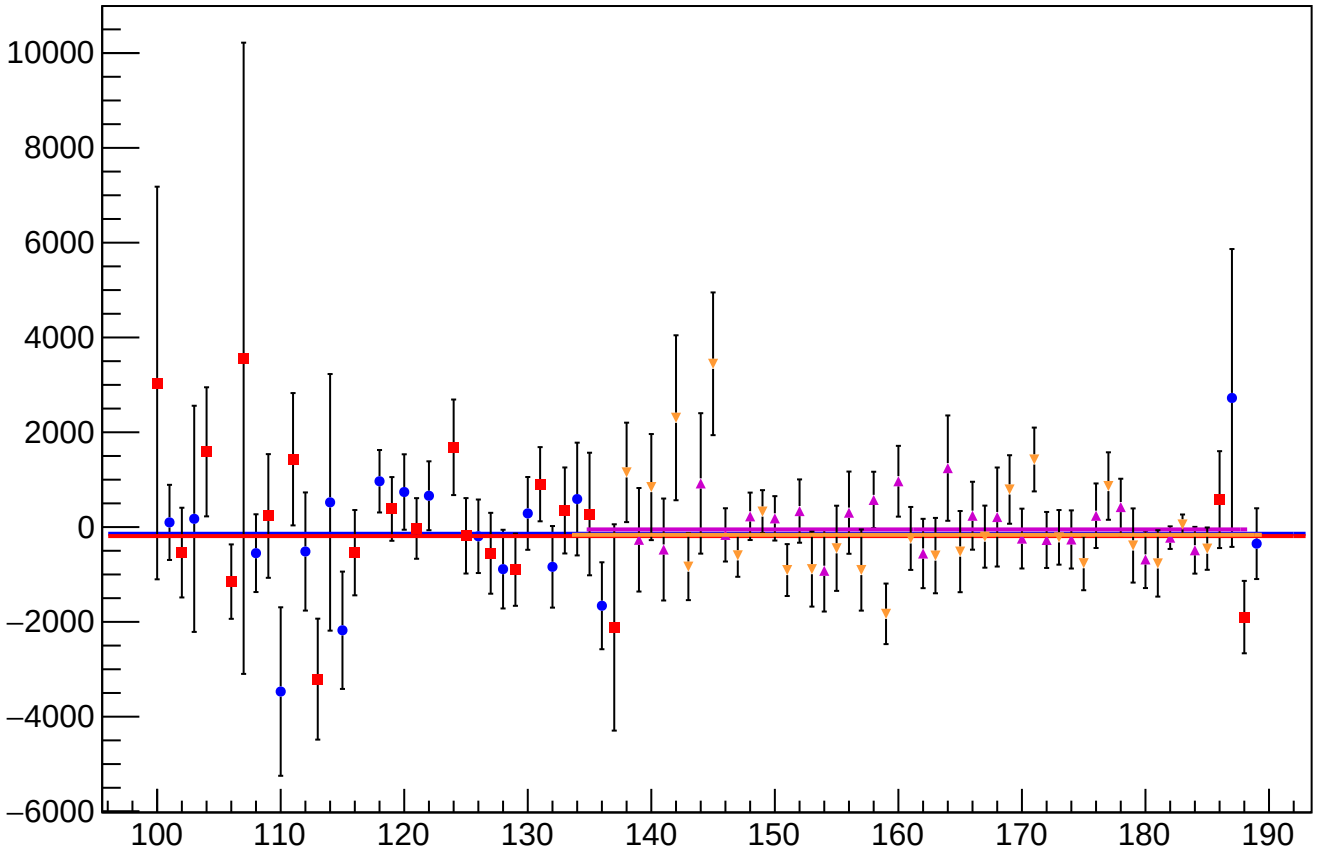
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1946.599+/-0.342 χ^2/NDF: 1027534.3/38

In: 1842.778+/-0.256 χ^2/NDF:683572.2/40

Out: 1858.437+/-0.249 χ^2/NDF:464714.3/45

All: 1850.820+/-0.178 χ^2/NDF: 1150212.3/86



Right In: -141.131+/-219.639 χ^2/NDF: 17.8/17

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -190.354+/-208.703 χ^2/NDF: 25.6/20

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

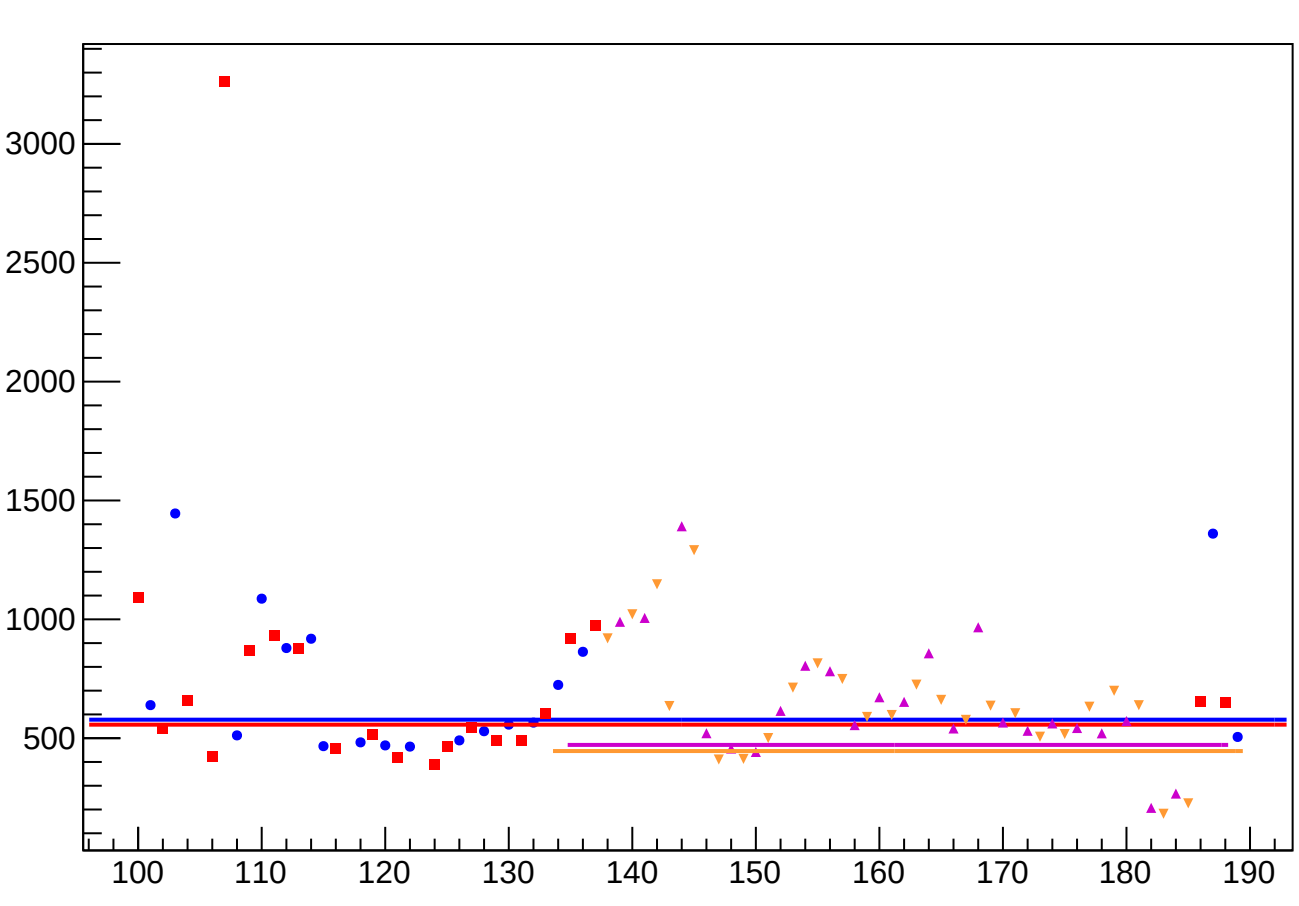
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -166.999+/-151.294 χ^2/NDF: 43.4/38

In: -71.132+/-107.113 χ^2/NDF:29.3/40

Out: -169.393+/-100.920 χ^2/NDF:62.4/45

All: -123.185+/-73.453 χ^2/NDF: 92.1/86



Right In: 577.900+/-0.155 χ^2/NDF: 1146711.0/17

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 556.921+/-0.148 χ^2/NDF: 1341200.3/20

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

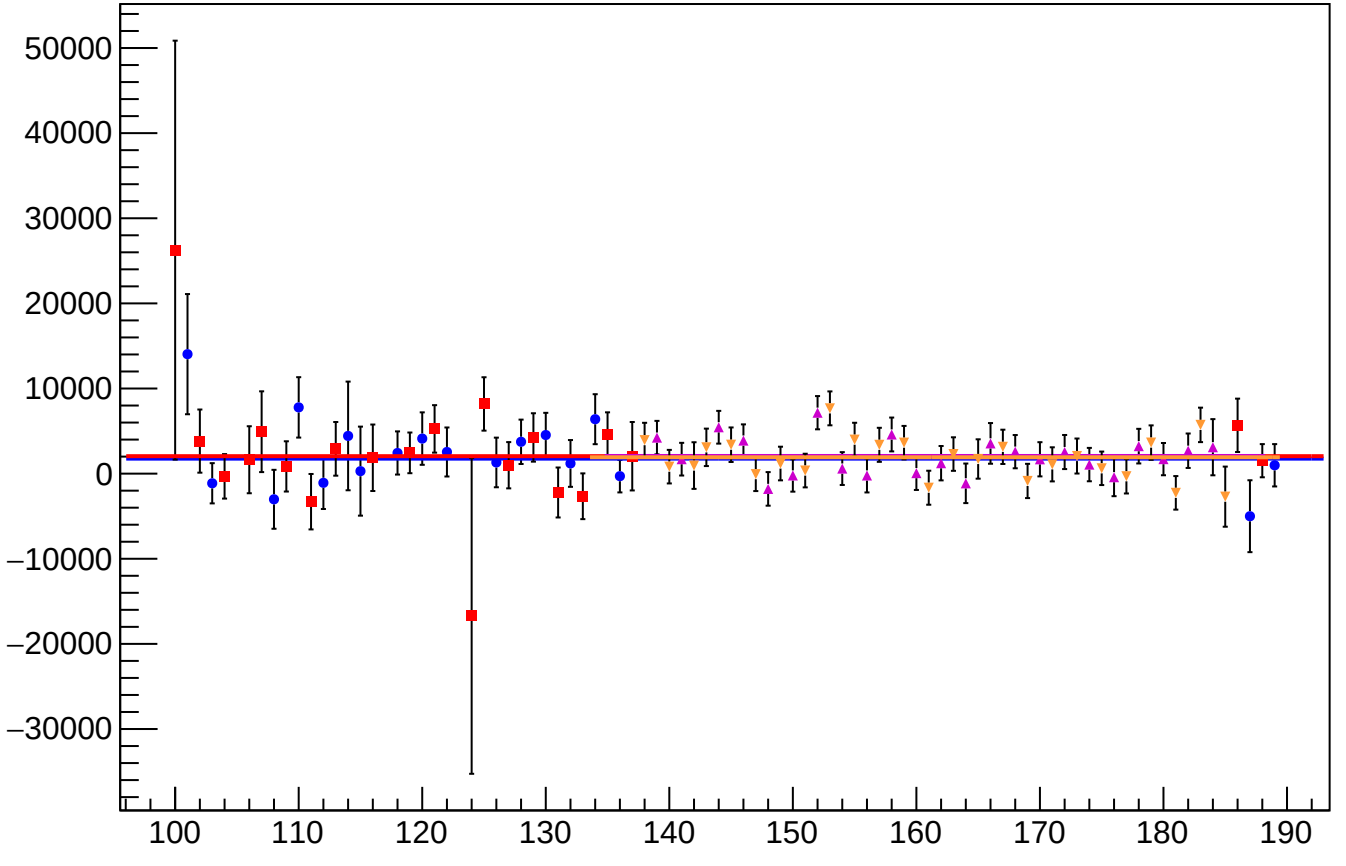
Right: 566.875+/-0.107 χ^2/NDF: 2497499.7/38

In: 496.992+/-0.076 χ^2/NDF:7916689.5/40

Out: 471.854+/-0.071 χ^2/NDF:9757335.8/45

All: 483.676+/-0.052 χ^2/NDF: 17732378.4/86

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1764.600+/-696.254 χ^2/NDF: 19.2/17

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2050.794+/-673.577 χ^2/NDF: 19.9/20

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

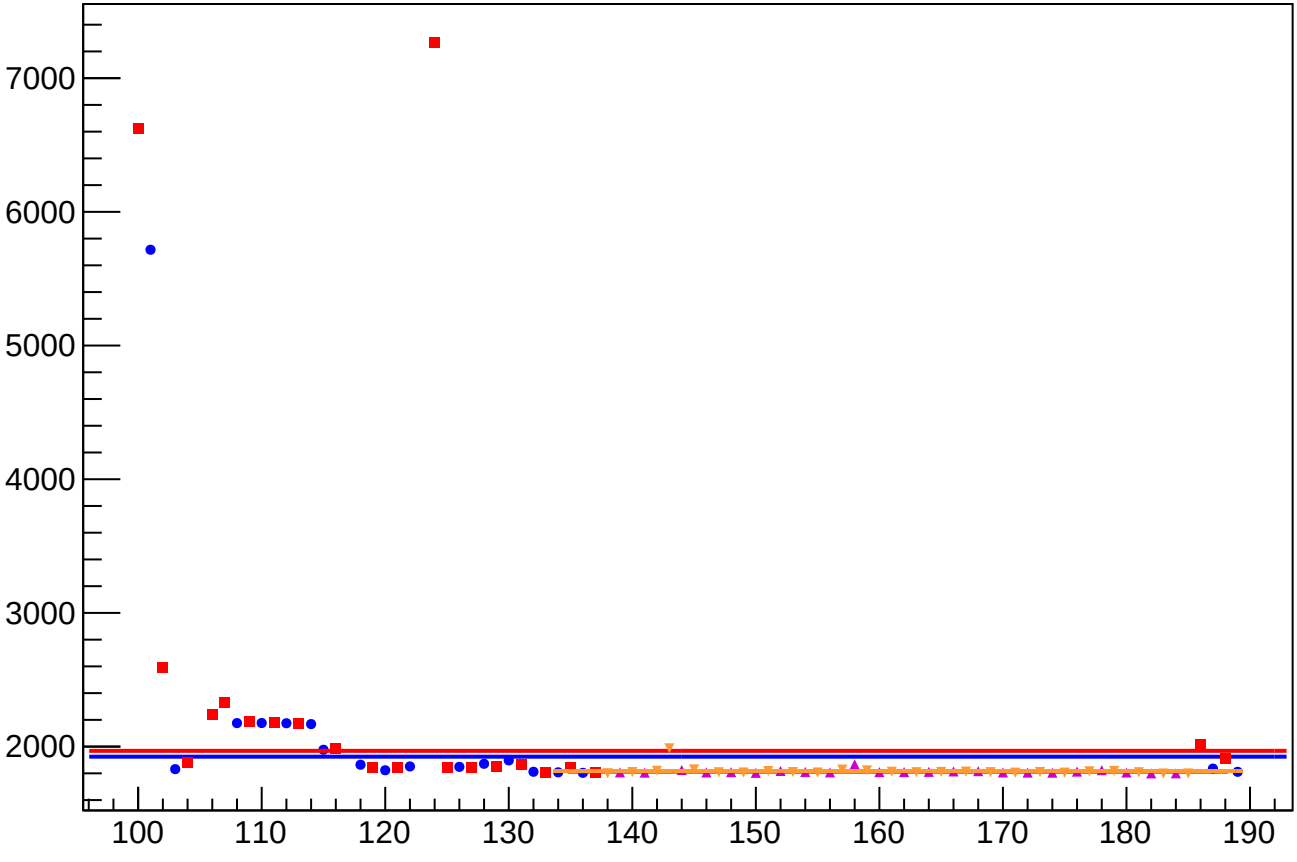
Right: 1912.434+/-484.110 χ^2/NDF: 39.2/38

In: 1990.753+/-361.638 χ^2/NDF:45.9/40

Out: 1956.153+/-352.034 χ^2/NDF:52.4/45

All: 1972.987+/-252.253 χ^2/NDF: 98.3/86

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.8/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1968.305+/-0.476 χ^2/NDF: 382902.6/20

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

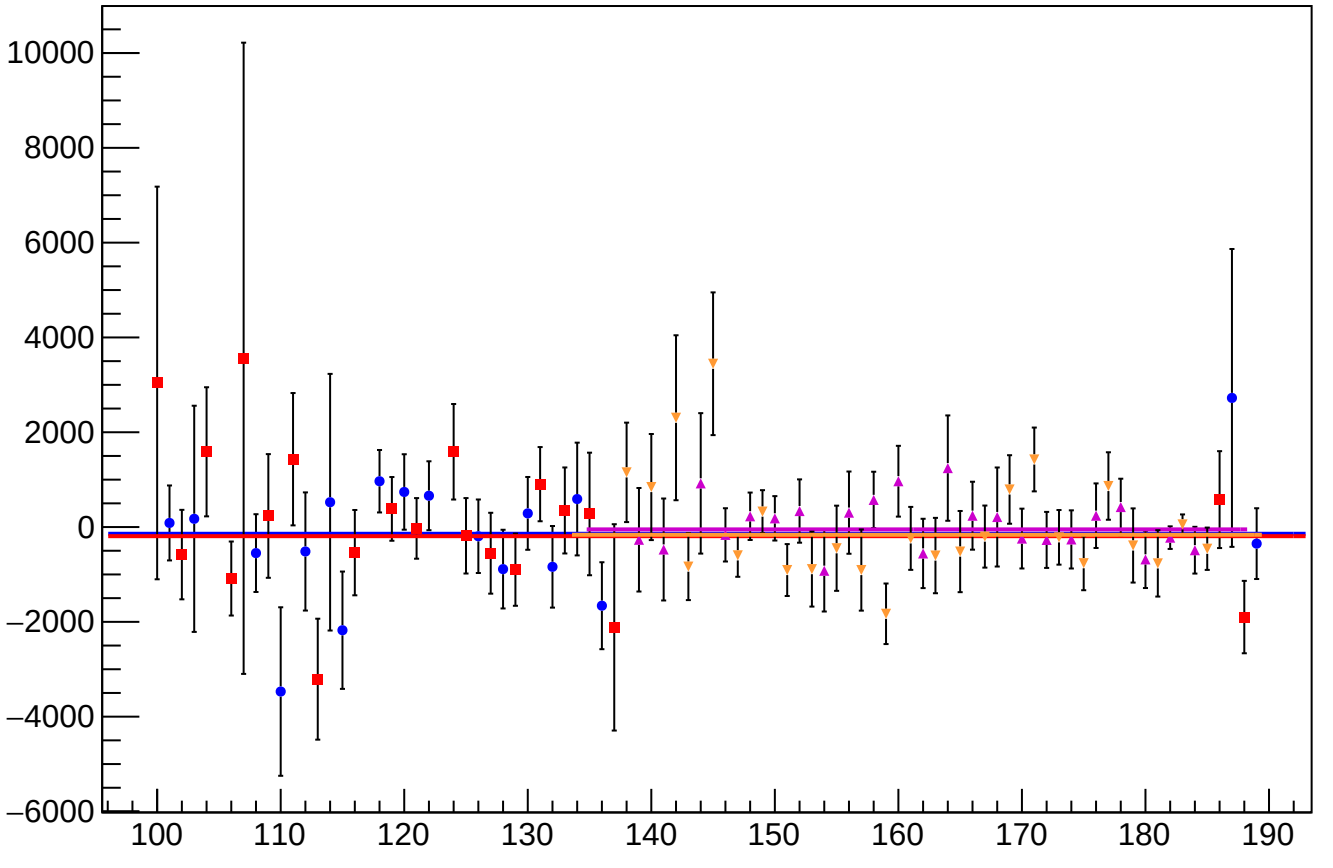
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1947.180+/-0.342 χ^2/NDF: 1030696.2/38

In: 1842.778+/-0.256 χ^2/NDF:683572.1/40

Out: 1858.709+/-0.249 χ^2/NDF:468701.9/45

All: 1850.958+/-0.178 χ^2/NDF: 1154267.0/86



Right In: -141.891+/-219.597 χ^2/NDF: 17.8/17

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -192.597+/-208.588 χ^2/NDF: 25.1/20

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

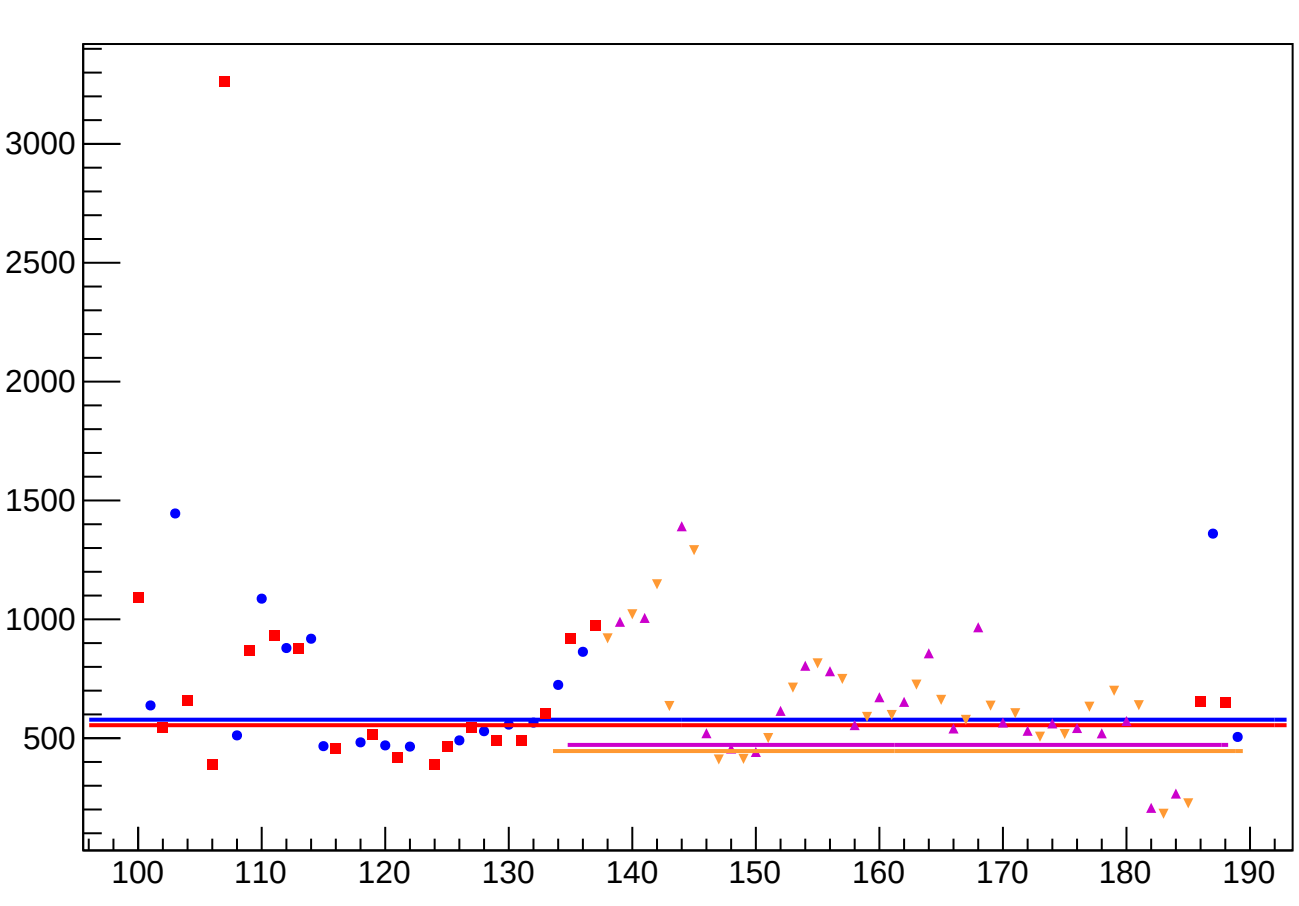
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -168.547+/-151.236 χ^2/NDF: 42.9/38

In: -71.335+/-107.109 χ^2/NDF:29.3/40

Out: -169.858+/-100.904 χ^2/NDF:61.9/45

All: -123.533+/-73.446 χ^2/NDF: 91.7/86



Right In: 577.817+/-0.155 χ^2/NDF: 1146187.7/17

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 554.617+/-0.147 χ^2/NDF: 1375046.8/20

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

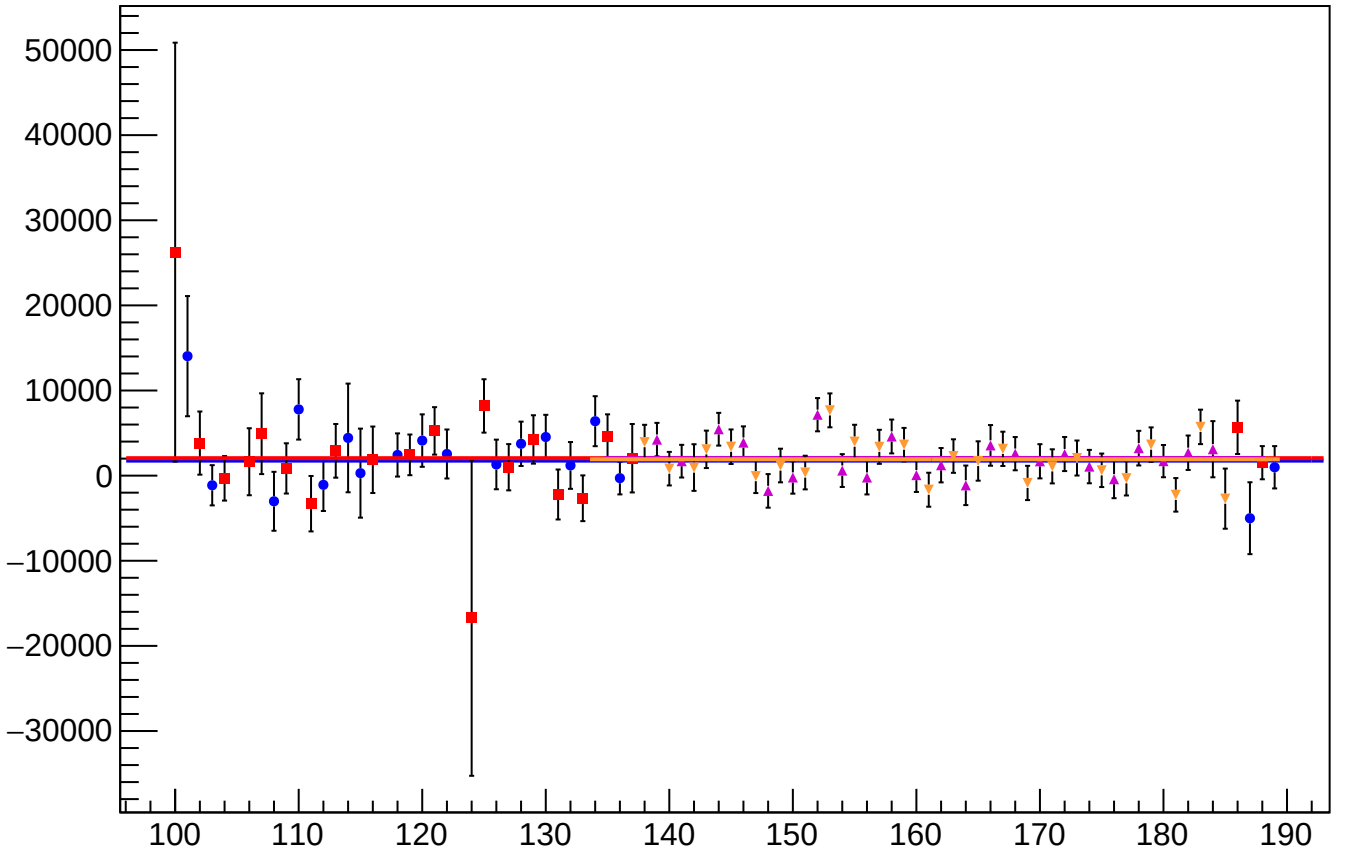
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 565.621+/-0.107 χ^2/NDF: 2532969.4/38

In: 496.989+/-0.076 χ^2/NDF:7915410.5/40

Out: 471.316+/-0.071 χ^2/NDF:9775335.3/45

All: 483.387+/-0.052 χ^2/NDF: 17751623.9/86



Right In: 1764.600+/-696.254 χ^2/NDF: 19.2/17

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2050.794+/-673.577 χ^2/NDF: 19.9/20

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

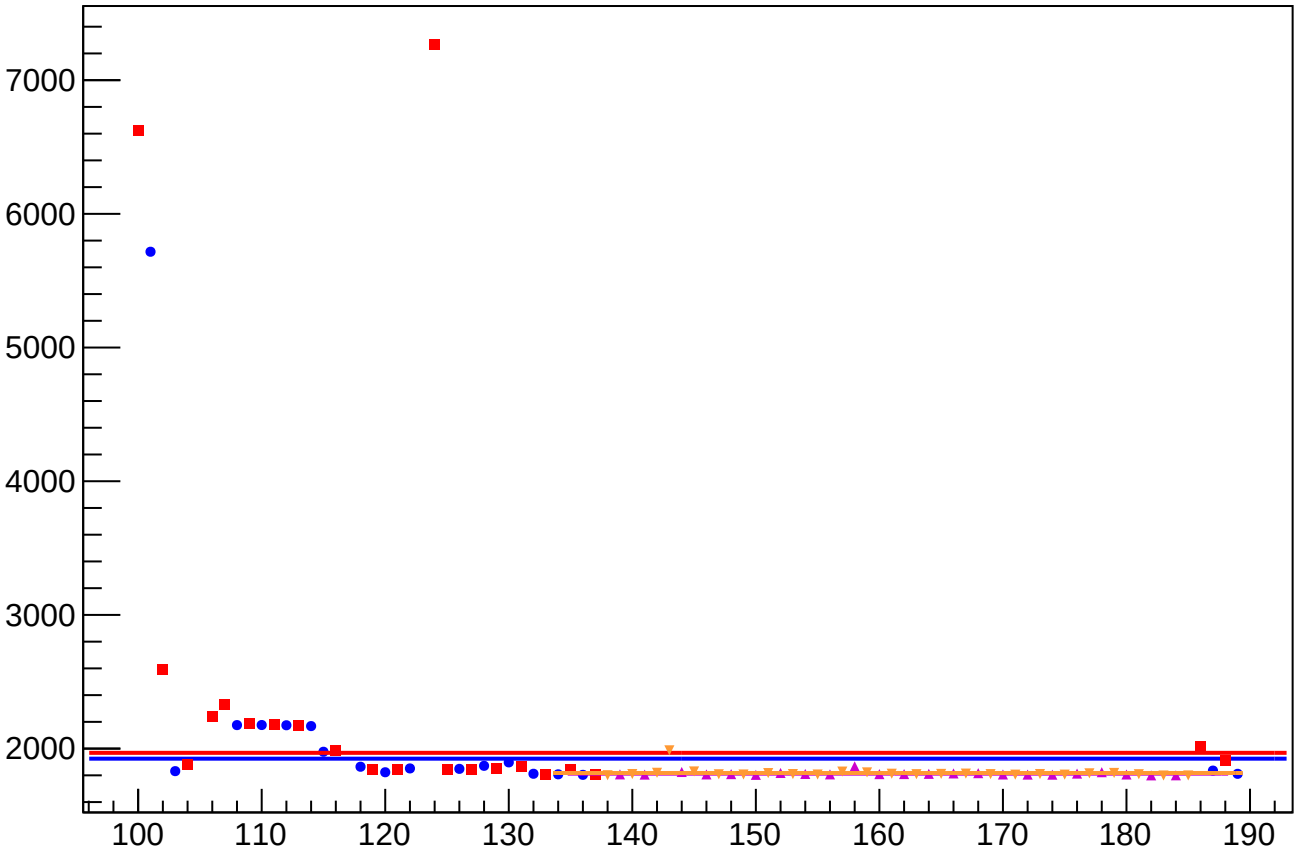
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1912.434+/-484.110 χ^2/NDF: 39.2/38

In: 1990.753+/-361.638 χ^2/NDF:45.9/40

Out: 1956.153+/-352.034 χ^2/NDF:52.4/45

All: 1972.987+/-252.253 χ^2/NDF: 98.3/86



Right In: 1924.610+/-0.492 χ^2/NDF: 643724.8/17

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1968.305+/-0.476 χ^2/NDF: 382902.6/20

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

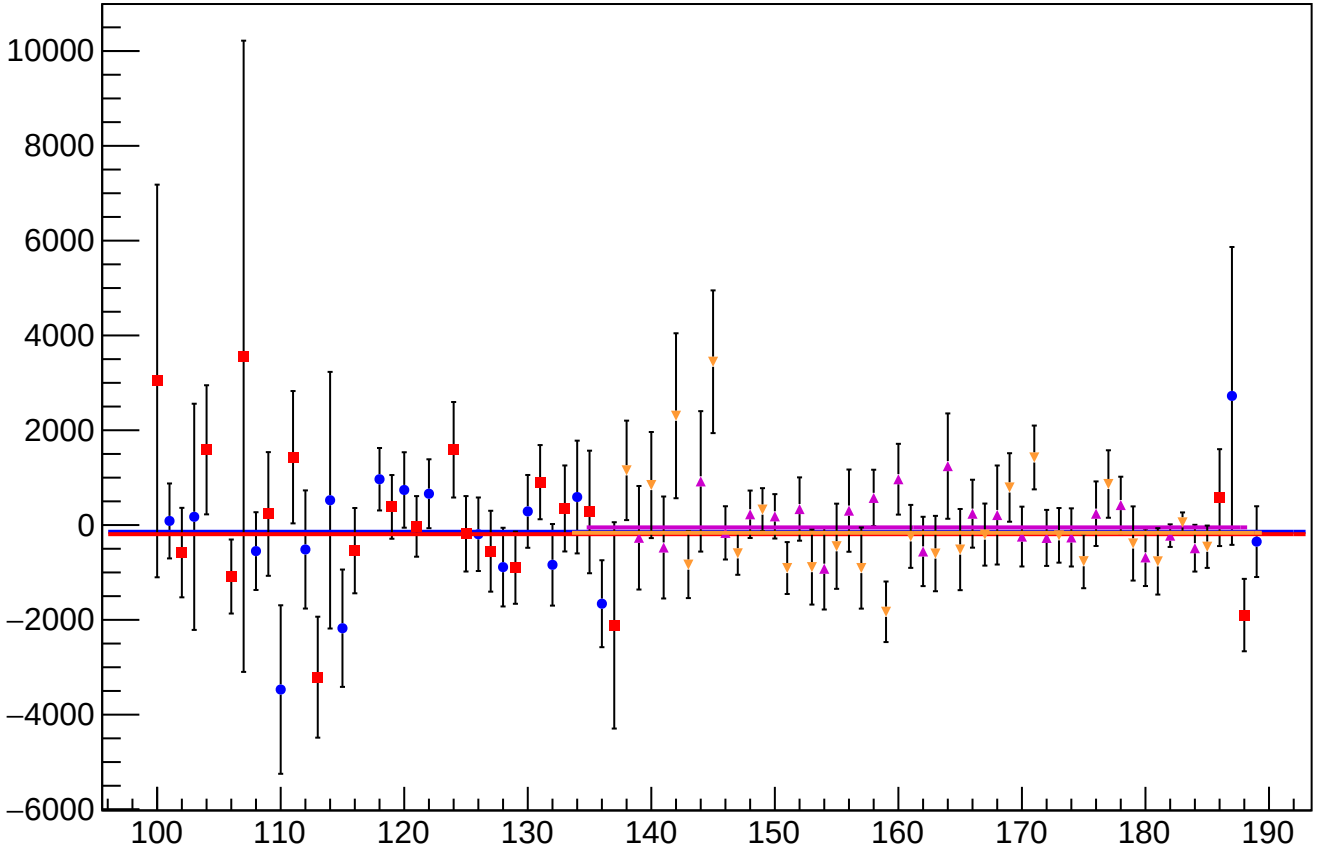
Right: 1947.180+/-0.342 χ^2/NDF: 1030696.2/38

In: 1842.778+/-0.256 χ^2/NDF:683572.1/40

Out: 1858.709+/-0.249 χ^2/NDF:468701.9/45

All: 1850.958+/-0.178 χ^2/NDF: 1154267.0/86

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -141.891+/-219.597 χ^2/NDF: 17.8/17

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -192.597+/-208.588 χ^2/NDF: 25.1/20

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

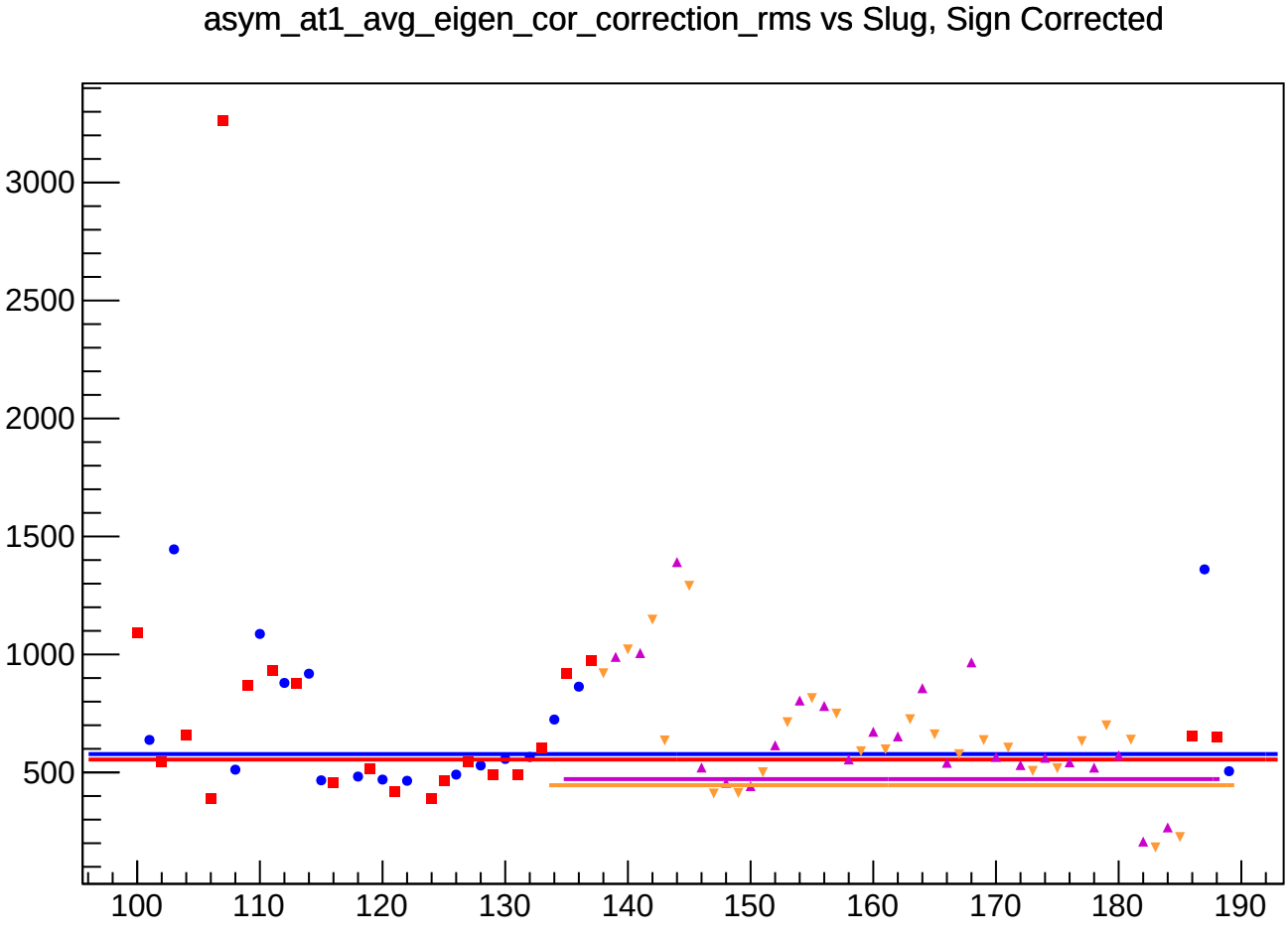
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -168.547+/-151.236 χ^2/NDF: 42.9/38

In: -71.335+/-107.109 χ^2/NDF:29.3/40

Out: -169.858+/-100.904 χ^2/NDF:61.9/45

All: -123.533+/-73.446 χ^2/NDF: 91.7/86



Right In: 577.817+/-0.155 χ^2/NDF: 1146187.7/17

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 554.617+/-0.147 χ^2/NDF: 1375046.8/20

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

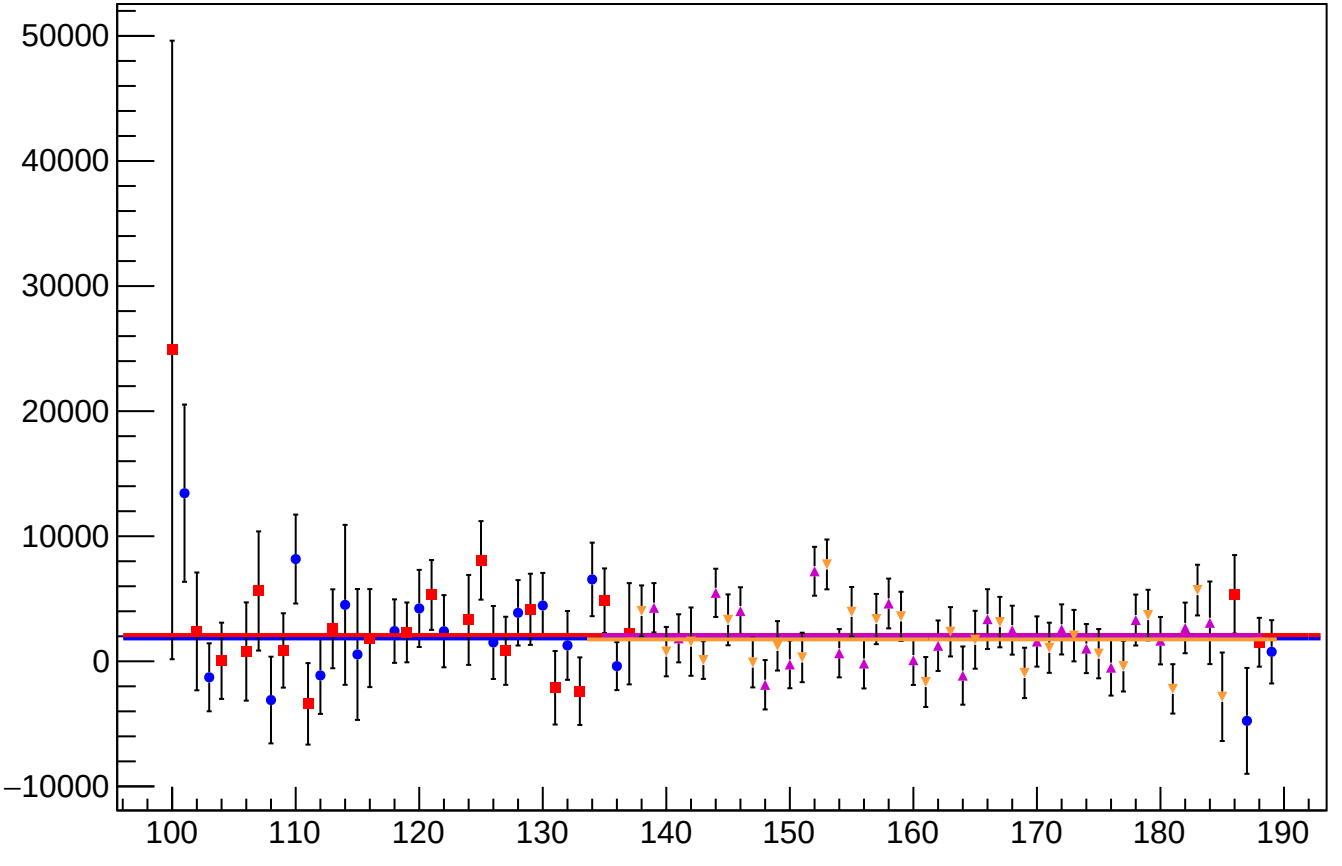
Right: 565.621+/-0.107 χ^2/NDF: 2532969.4/38

In: 496.989+/-0.076 χ^2/NDF:7915410.5/40

Out: 471.316+/-0.071 χ^2/NDF:9775335.3/45

All: 483.387+/-0.052 χ^2/NDF: 17751623.9/86

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1830.575+/-705.748 χ^2/NDF: 19.3/17

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2099.369+/-673.646 χ^2/NDF: 17.9/20

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

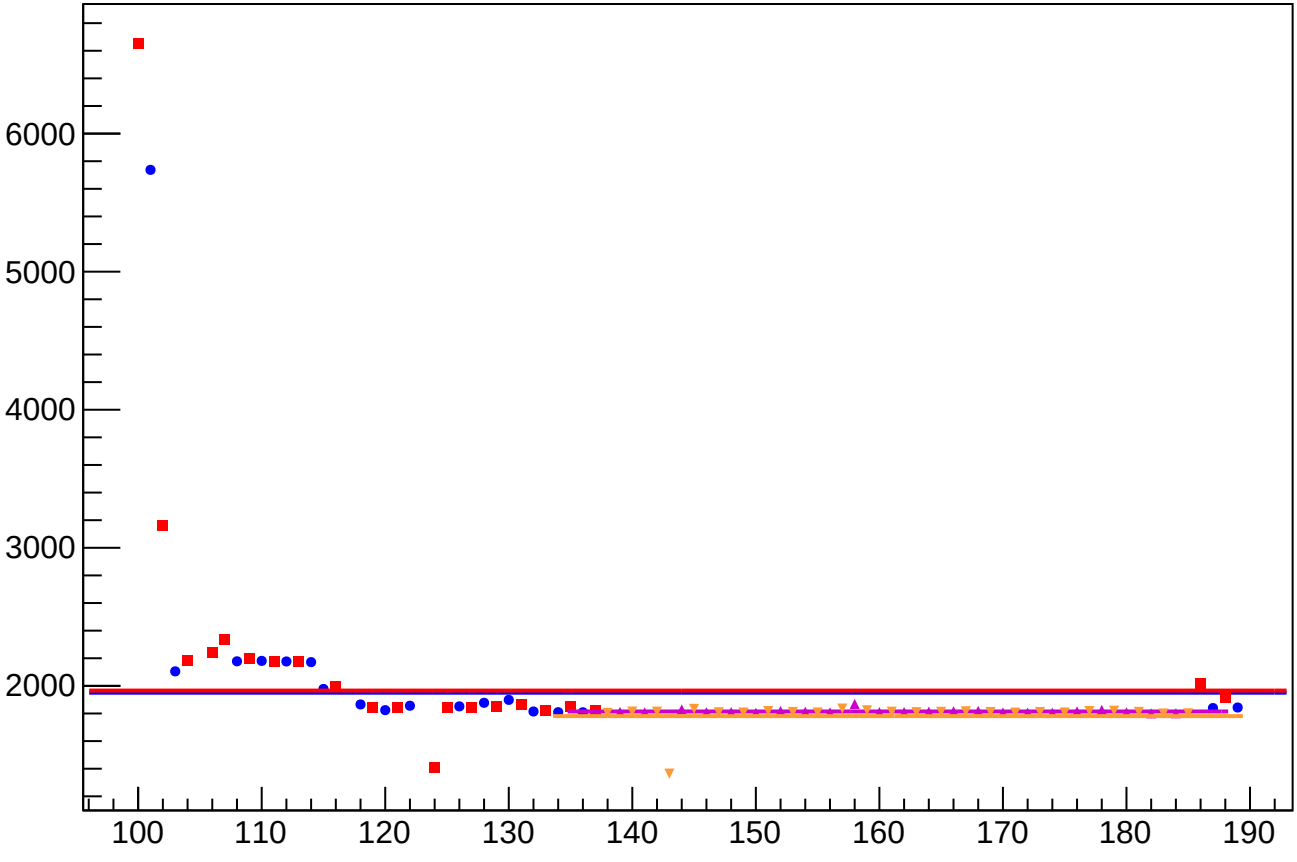
Right: 1971.224+/-487.293 χ^2/NDF: 37.3/38

In: 2009.108+/-363.230 χ^2/NDF:46.3/40

Out: 1846.921+/-347.352 χ^2/NDF:51.9/45

All: 1924.392+/-251.041 χ^2/NDF: 98.4/86

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1950.624+/-0.499 χ^2/NDF: 645820.8/17

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1965.915+/-0.476 χ^2/NDF: 347284.8/20

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

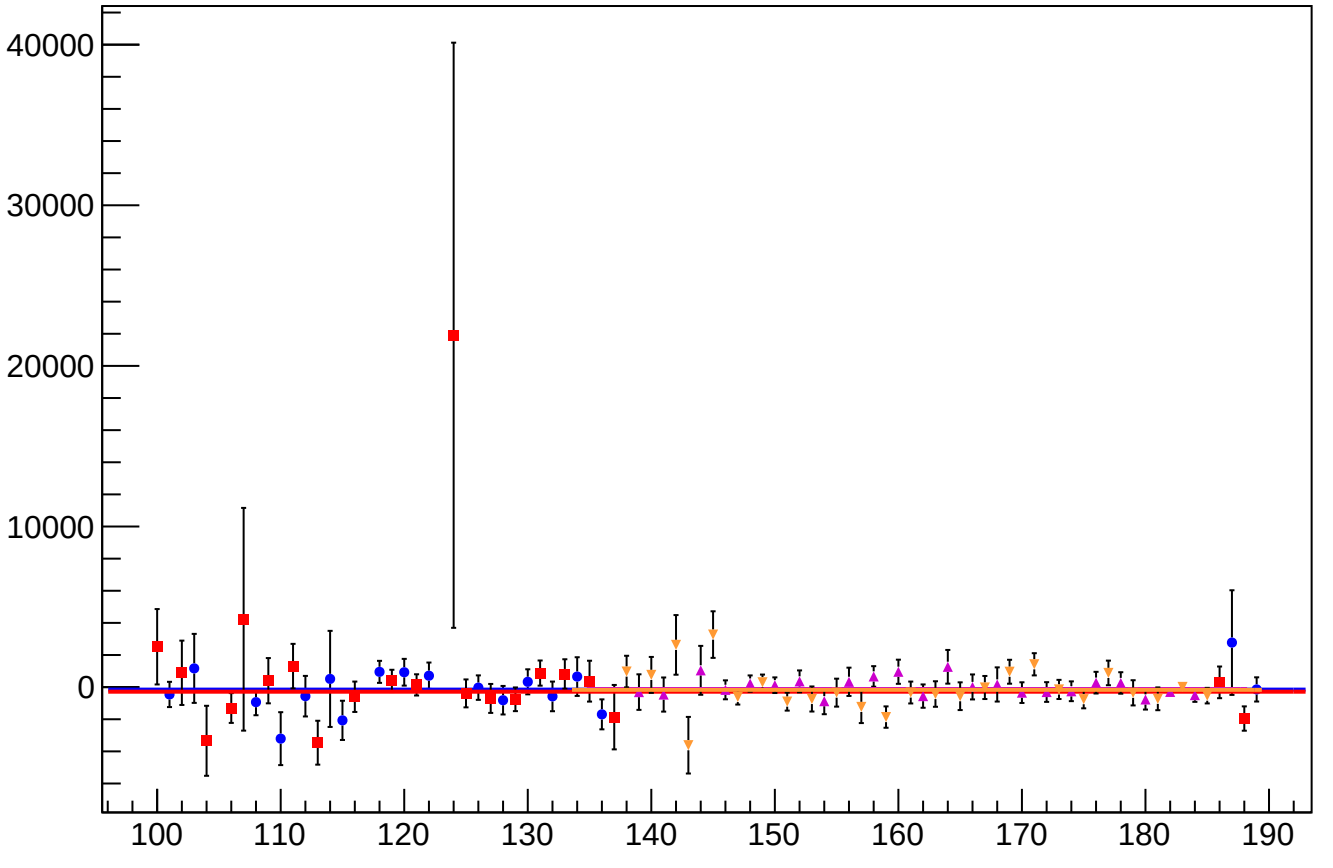
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1958.625+/-0.345 χ^2/NDF: 993596.8/38

In: 1850.509+/-0.257 χ^2/NDF:702663.8/40

Out: 1830.101+/-0.246 χ^2/NDF:622958.1/45

All: 1839.849+/-0.178 χ^2/NDF: 1328919.8/86



Right In: -154.139+/-225.461 χ^2/NDF: 18.0/17

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -284.023+/-225.139 χ^2/NDF: 25.6/20

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

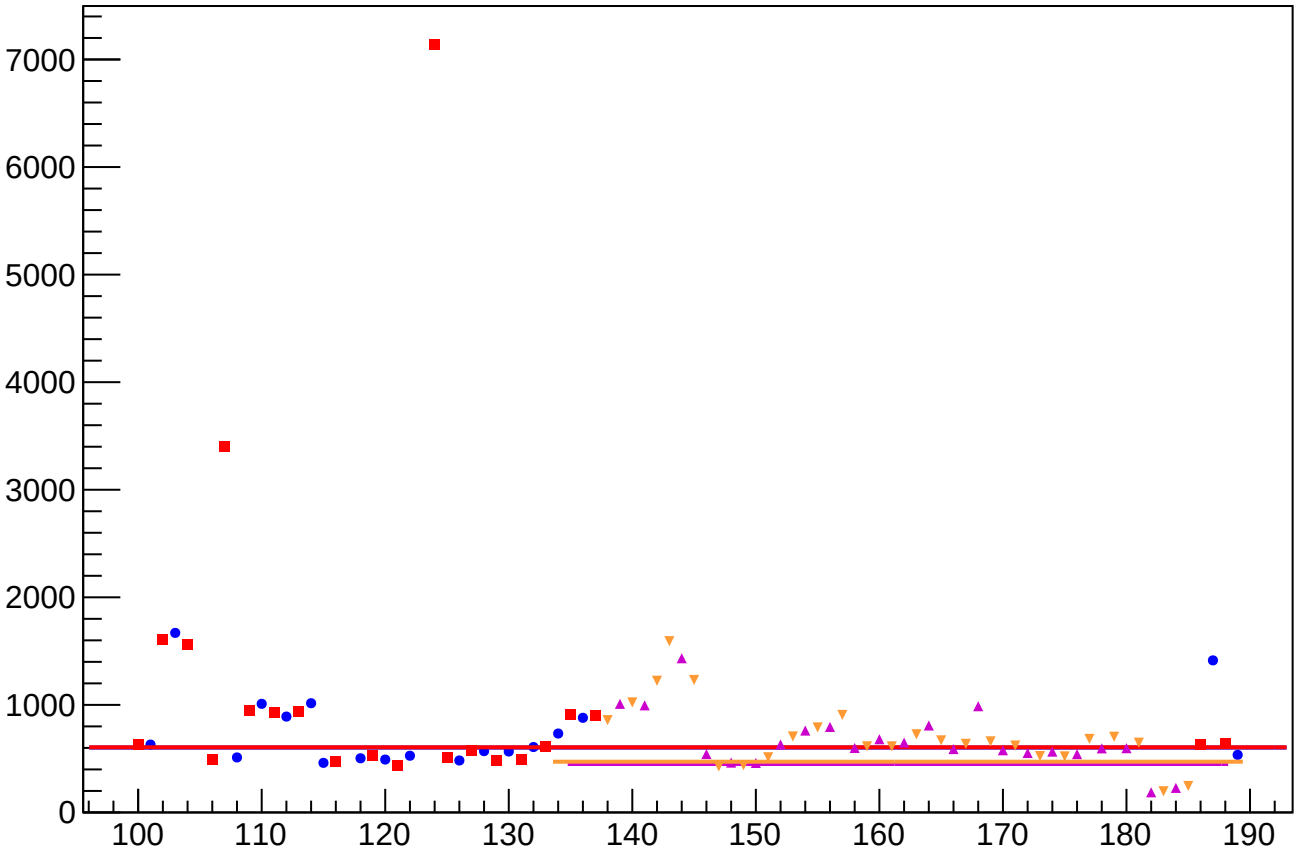
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -219.174+/-159.311 χ^2/NDF: 43.8/38

In: -125.338+/-105.773 χ^2/NDF:30.4/40

Out: -194.141+/-107.011 χ^2/NDF:64.2/45

All: -159.340+/-75.227 χ^2/NDF: 94.8/86



Right In: 603.035+/-0.159 χ^2/NDF: 1302662.6/17

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 605.805+/-0.159 χ^2/NDF: 2335623.6/20

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

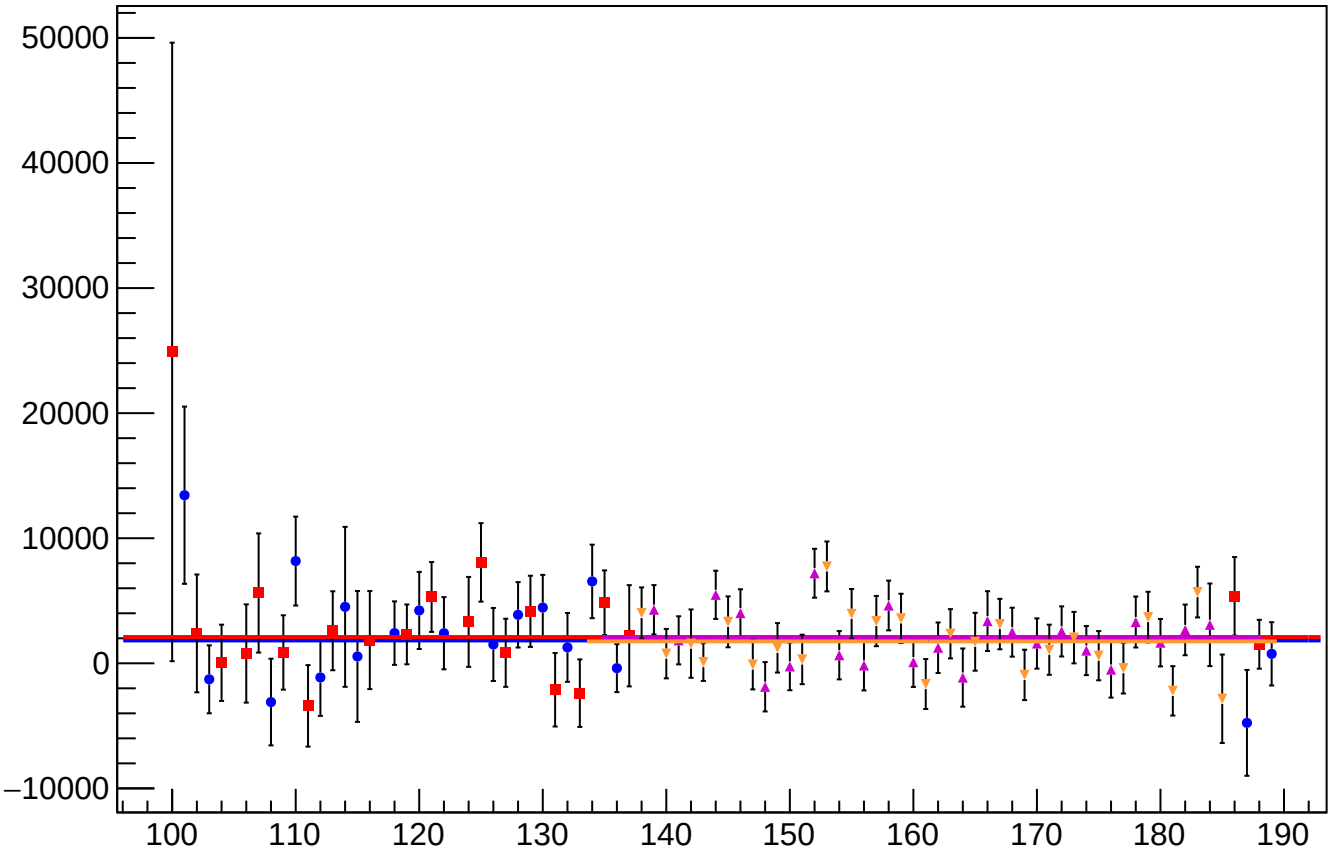
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 604.422+/-0.113 χ^2/NDF: 3638437.4/38

In: 484.190+/-0.075 χ^2/NDF:9943526.7/40

Out: 502.057+/-0.076 χ^2/NDF:10996957.7/45

All: 493.020+/-0.053 χ^2/NDF: 20968682.9/86



Right In: 1830.573+/-705.748 χ^2/NDF: 19.3/17

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2099.366+/-673.646 χ^2/NDF: 17.9/20

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

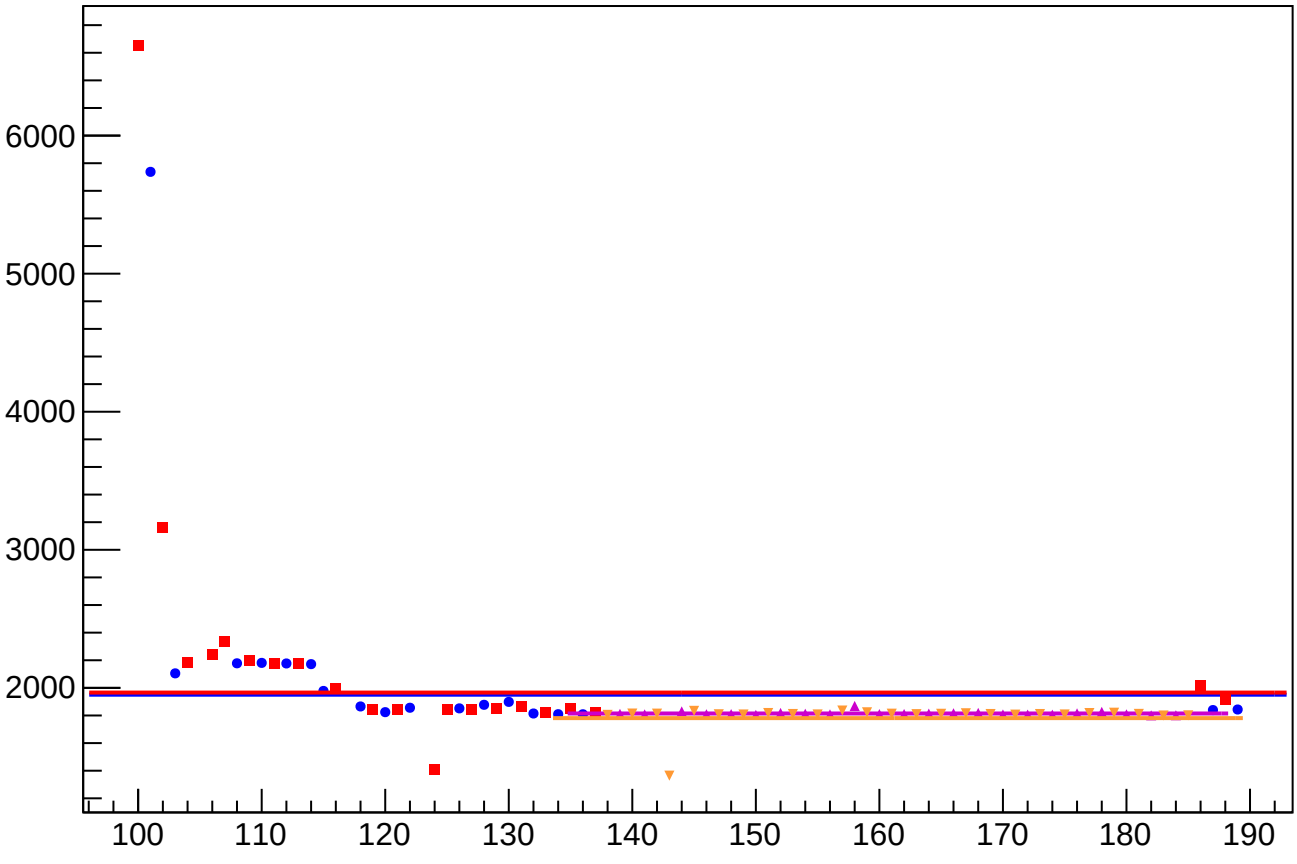
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 1971.222+/-487.293 χ^2/NDF: 37.3/38

In: 2009.108+/-363.230 χ^2/NDF:46.3/40

Out: 1846.920+/-347.352 χ^2/NDF:51.9/45

All: 1924.392+/-251.041 χ^2/NDF: 98.4/86



Right In: 1950.624+/-0.499 χ^2/NDF: 645820.5/17

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1965.915+/-0.476 χ^2/NDF: 347283.5/20

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

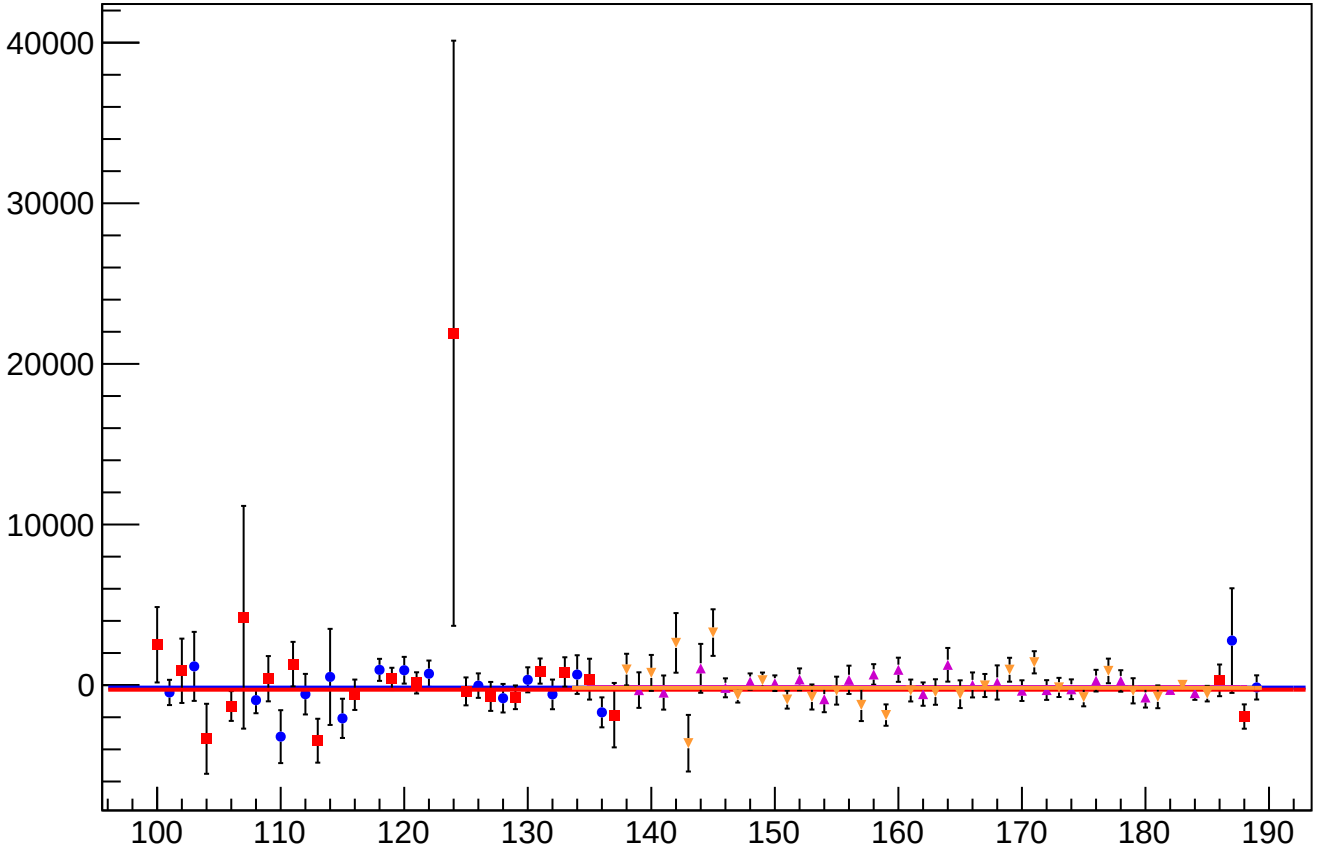
Right: 1958.625+/-0.345 χ^2/NDF: 993595.3/38

In: 1850.509+/-0.257 χ^2/NDF:702663.3/40

Out: 1830.101+/-0.246 χ^2/NDF:622956.5/45

All: 1839.849+/-0.178 χ^2/NDF: 1328917.8/86

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -154.138+/-225.461 χ^2/NDF: 18.0/17

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -284.023+/-225.139 χ^2/NDF: 25.6/20

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

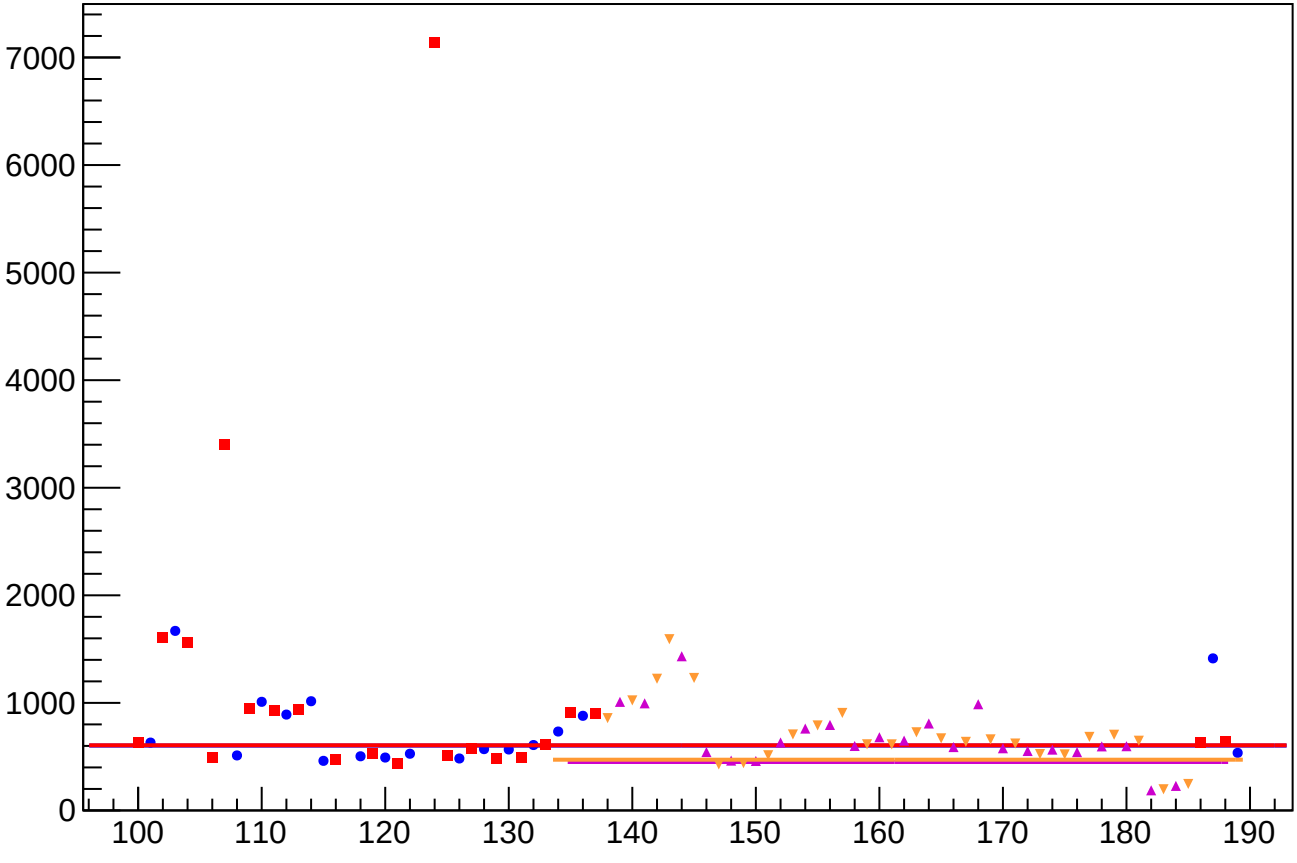
Right: -219.173+/-159.311 χ^2/NDF: 43.8/38

In: -125.339+/-105.773 χ^2/NDF:30.4/40

Out: -194.142+/-107.011 χ^2/NDF:64.2/45

All: -159.340+/-75.227 χ^2/NDF: 94.8/86

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 603.034+/-0.159 χ^2/NDF: 1302670.6/17

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 605.805+/-0.159 χ^2/NDF: 2335631.8/20

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

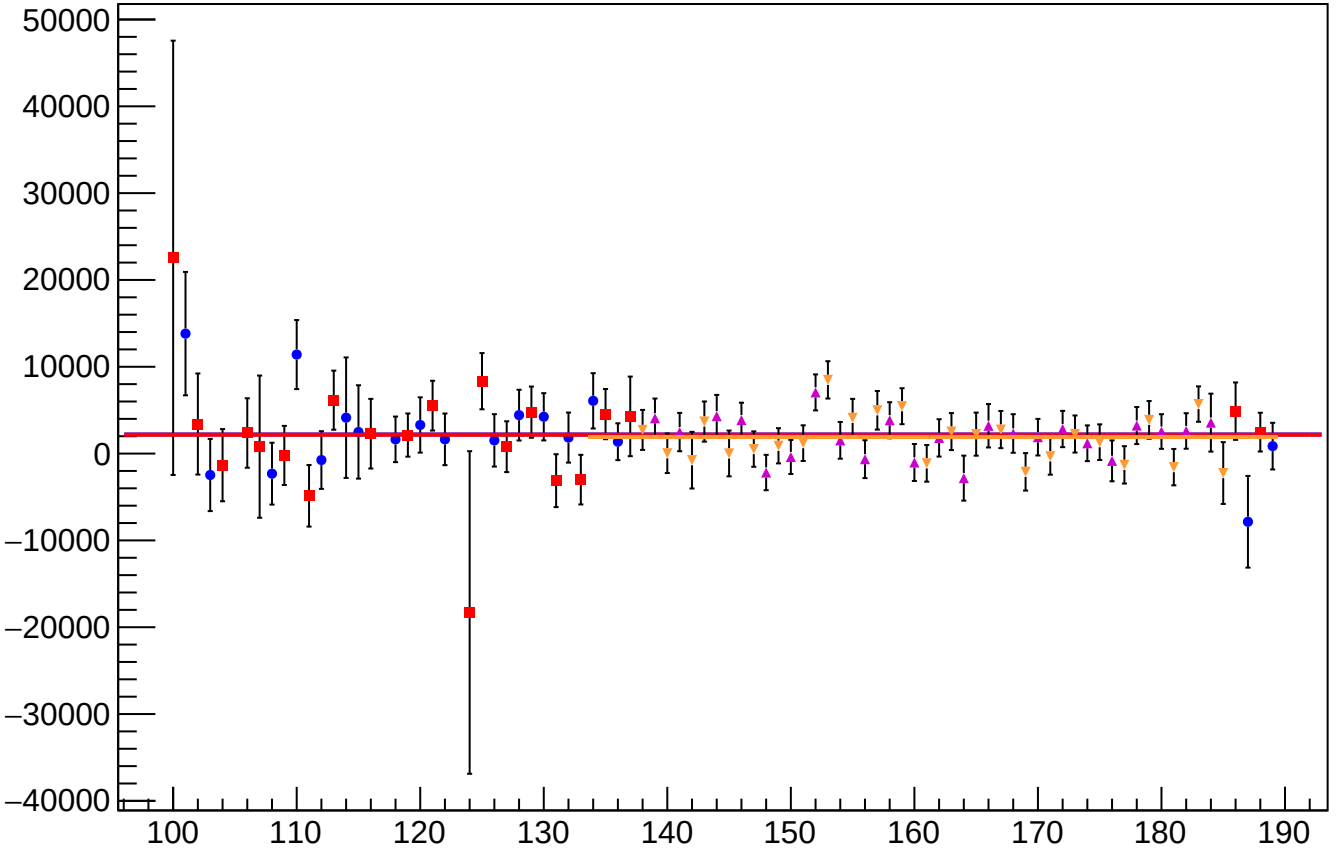
Right: 604.422+/-0.113 χ^2/NDF: 3638453.6/38

In: 484.191+/-0.075 χ^2/NDF:9943503.9/40

Out: 502.057+/-0.076 χ^2/NDF:10996954.0/45

All: 493.020+/-0.053 χ^2/NDF: 20968655.7/86

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2202.448+/-766.986 χ^2/NDF: 18.7/17

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2173.494+/-748.759 χ^2/NDF: 22.3/20

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

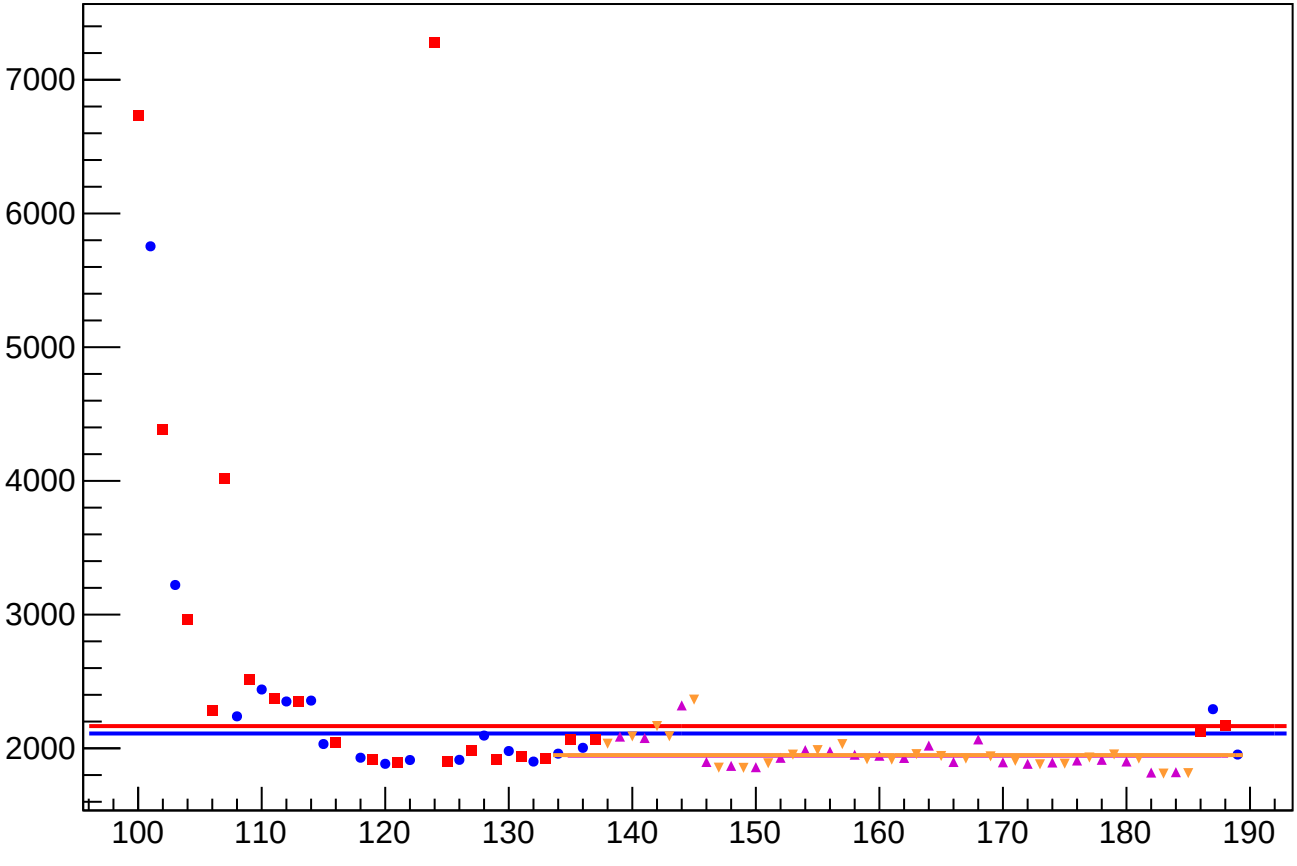
Right: 2187.623+/-535.780 χ^2/NDF: 41.0/38

In: 1998.356+/-391.246 χ^2/NDF:43.5/40

Out: 1976.492+/-381.601 χ^2/NDF:58.7/45

All: 1987.151+/-273.179 χ^2/NDF: 102.2/86

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2110.746+/-0.542 χ^2/NDF: 769527.4/17

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2166.123+/-0.529 χ^2/NDF: 824234.7/20

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

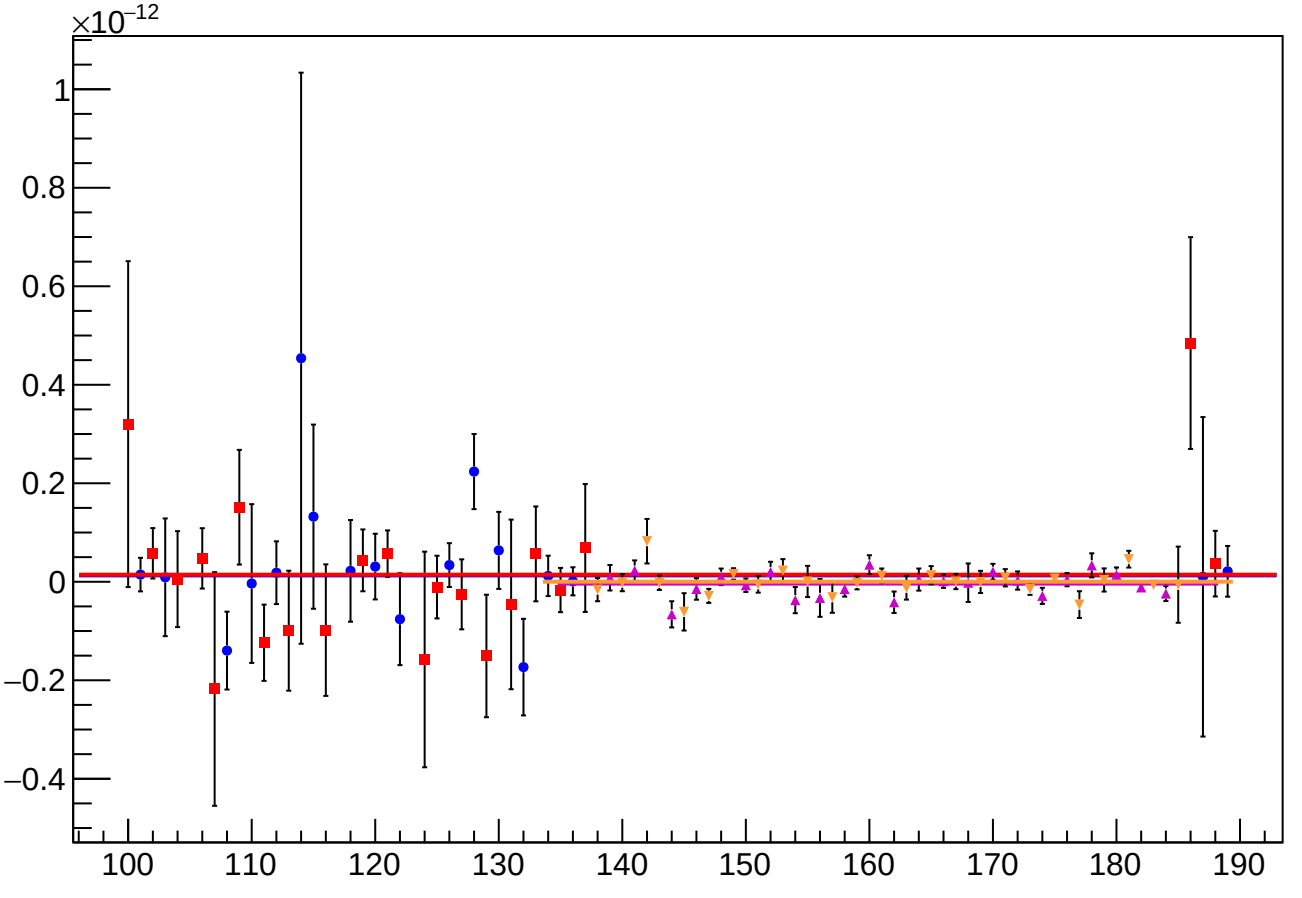
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2139.100+/-0.379 χ^2/NDF: 1599100.6/38

In: 1988.227+/-0.277 χ^2/NDF:934466.9/40

Out: 2005.396+/-0.270 χ^2/NDF:1057250.4/45

All: 1997.026+/-0.193 χ^2/NDF: 1993691.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

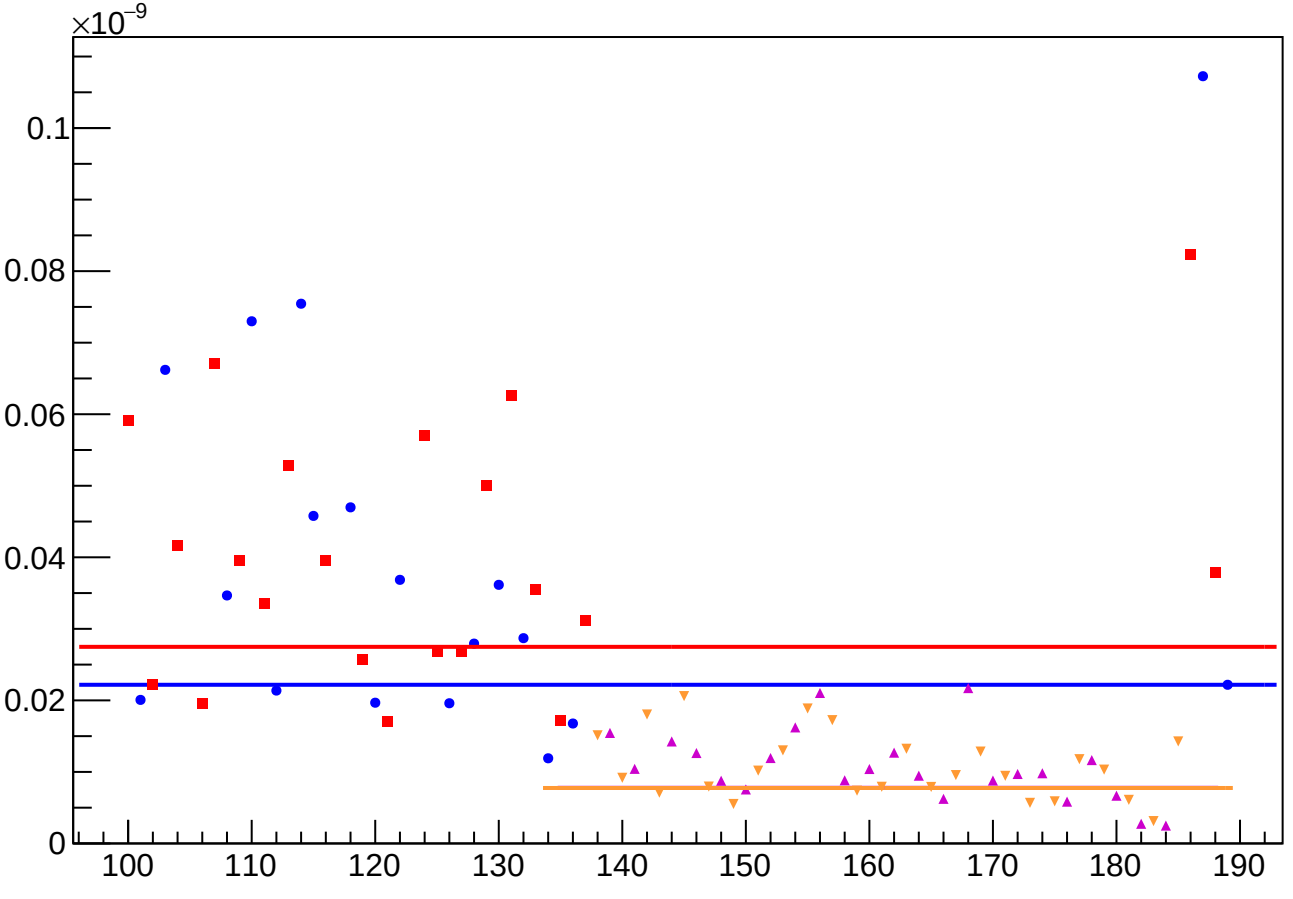
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 36.6/38

In: -0.000+/-0.000 χ^2/NDF:50.2/40

Out: 0.000+/-0.000 χ^2/NDF:48.1/45

All: -0.000+/-0.000 χ^2/NDF: 98.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 1170485.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 892966.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

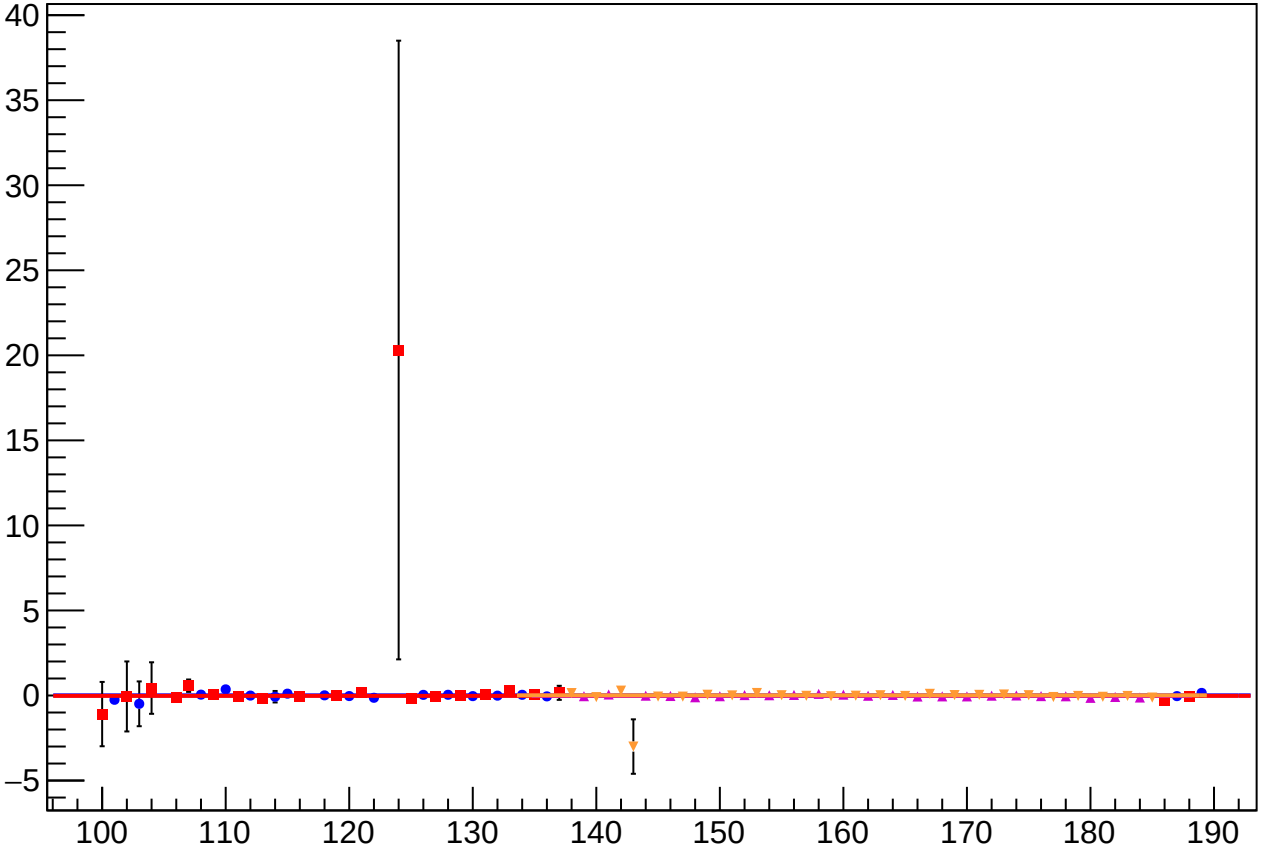
Right: 0.000+/-0.000 χ^2/NDF: 2175668.1/38

In: 0.000+/-0.000 χ^2/NDF:5735131.5/40

Out: 0.000+/-0.000 χ^2/NDF:5549984.7/45

All: 0.000+/-0.000 χ^2/NDF: 11288038.0/86

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

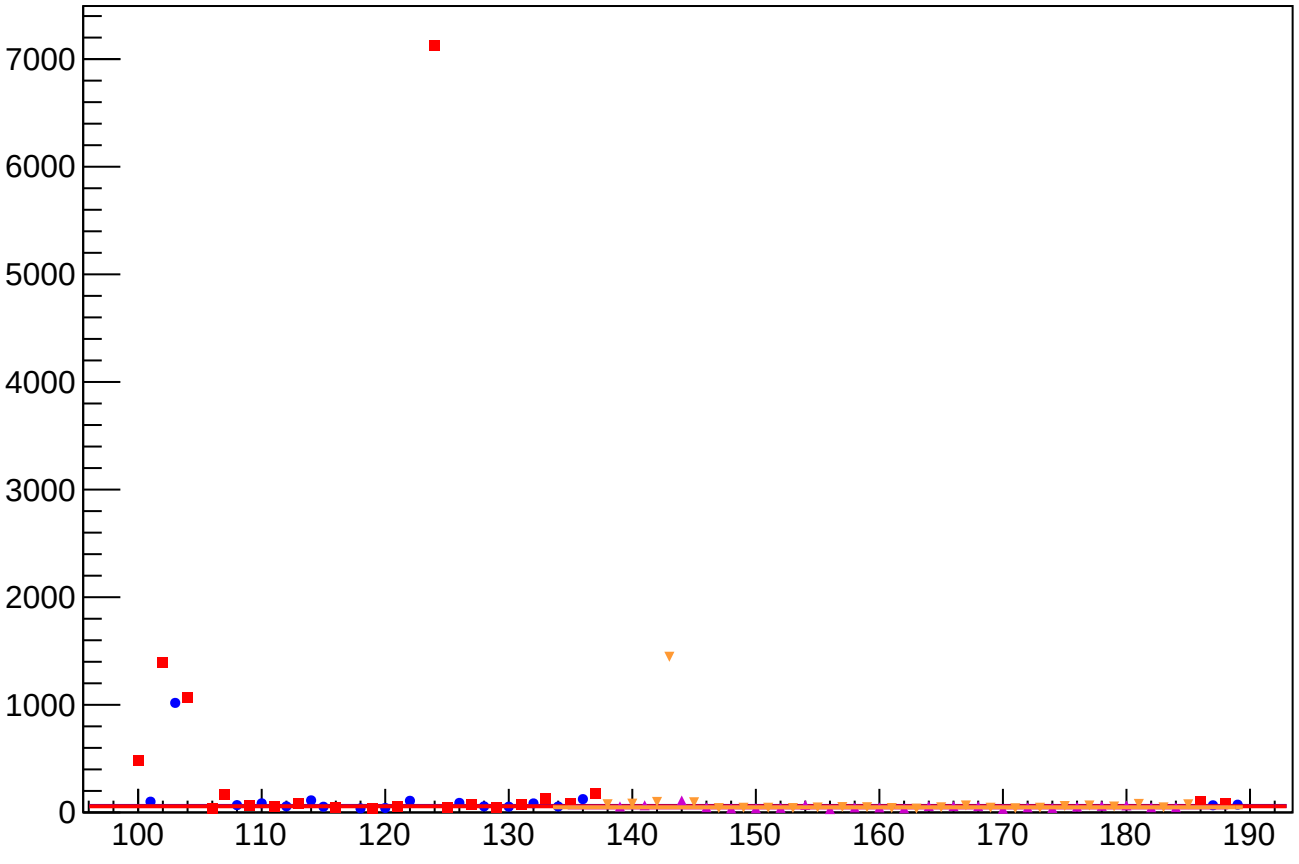
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.007+/-0.018 χ^2/NDF: 33.9/38

In: -0.013+/-0.011 χ^2/NDF:33.8/40

Out: 0.005+/-0.011 χ^2/NDF:51.6/45

All: -0.004+/-0.008 χ^2/NDF: 86.7/86



Right In: 60.454+/-0.018 χ^2/NDF: 2557781.1/17

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 57.473+/-0.017 χ^2/NDF: 3887014.8/20

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

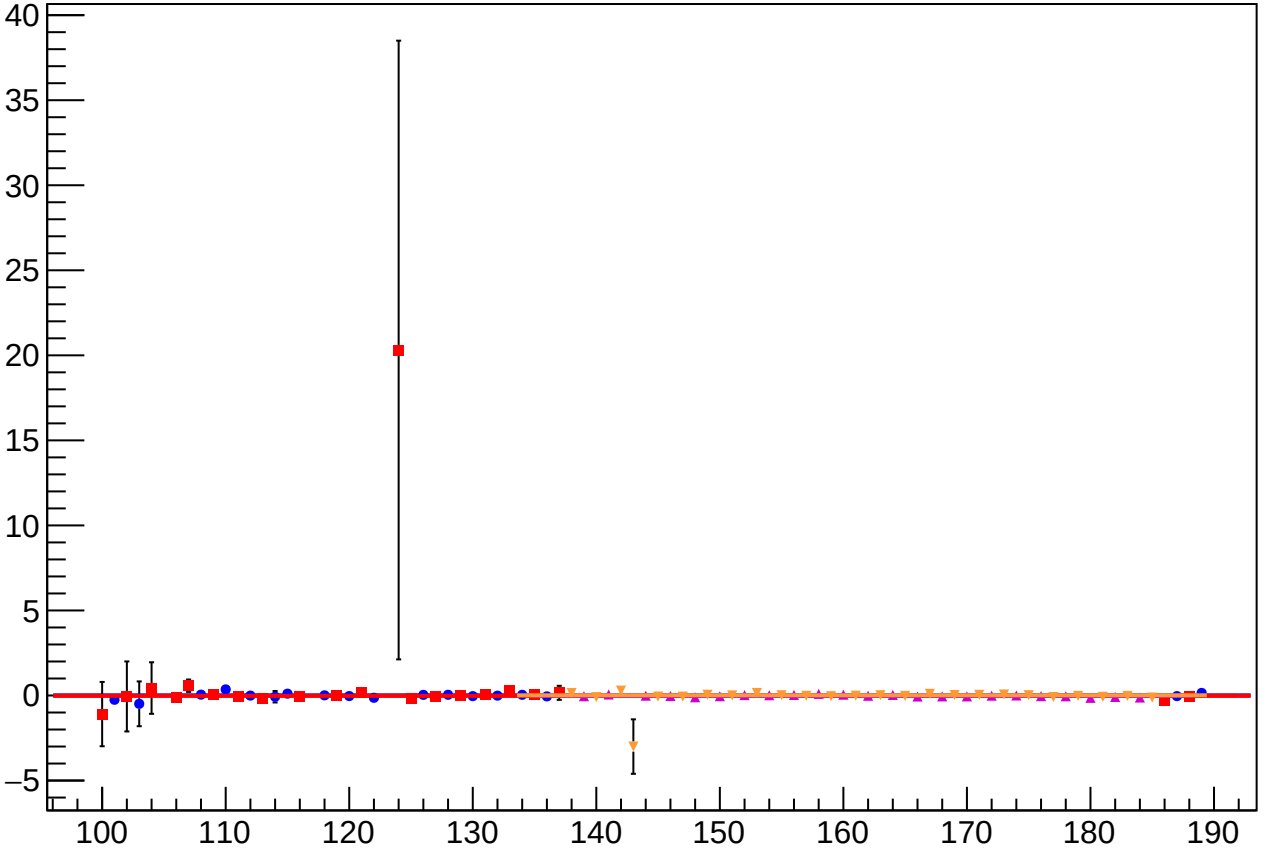
Right: 58.889+/-0.013 χ^2/NDF: 6458703.6/38

In: 49.286+/-0.008 χ^2/NDF:4962406.2/40

Out: 49.847+/-0.008 χ^2/NDF:7624174.1/45

All: 49.566+/-0.006 χ^2/NDF: 12589133.1/86

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

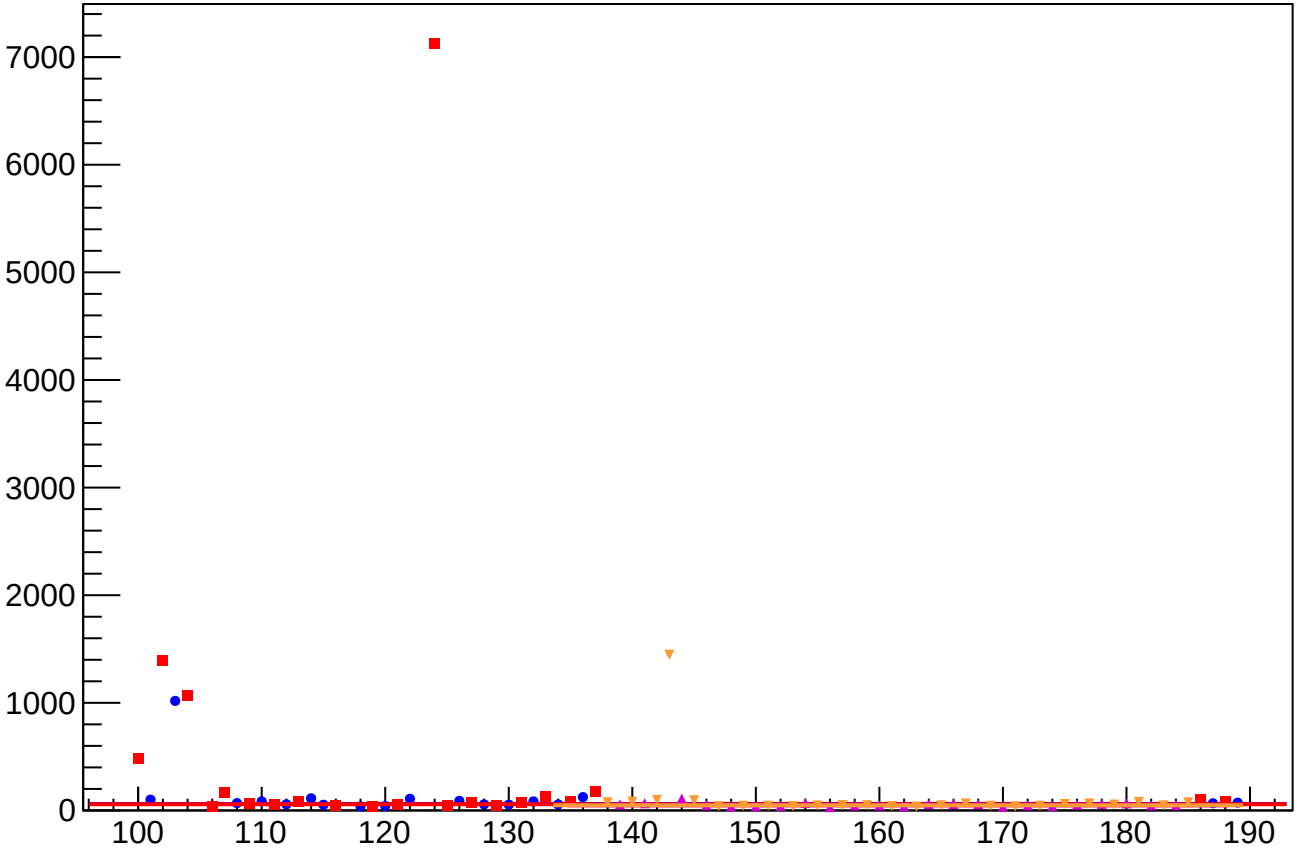
Right: -0.007+/-0.018 χ^2/NDF: 33.9/38

In: -0.013+/-0.011 χ^2/NDF:33.8/40

Out: 0.005+/-0.011 χ^2/NDF:51.6/45

All: -0.004+/-0.008 χ^2/NDF: 86.7/86

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.454+/-0.018 χ^2/NDF: 2557781.1/17

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 57.473+/-0.017 χ^2/NDF: 3887014.8/20

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

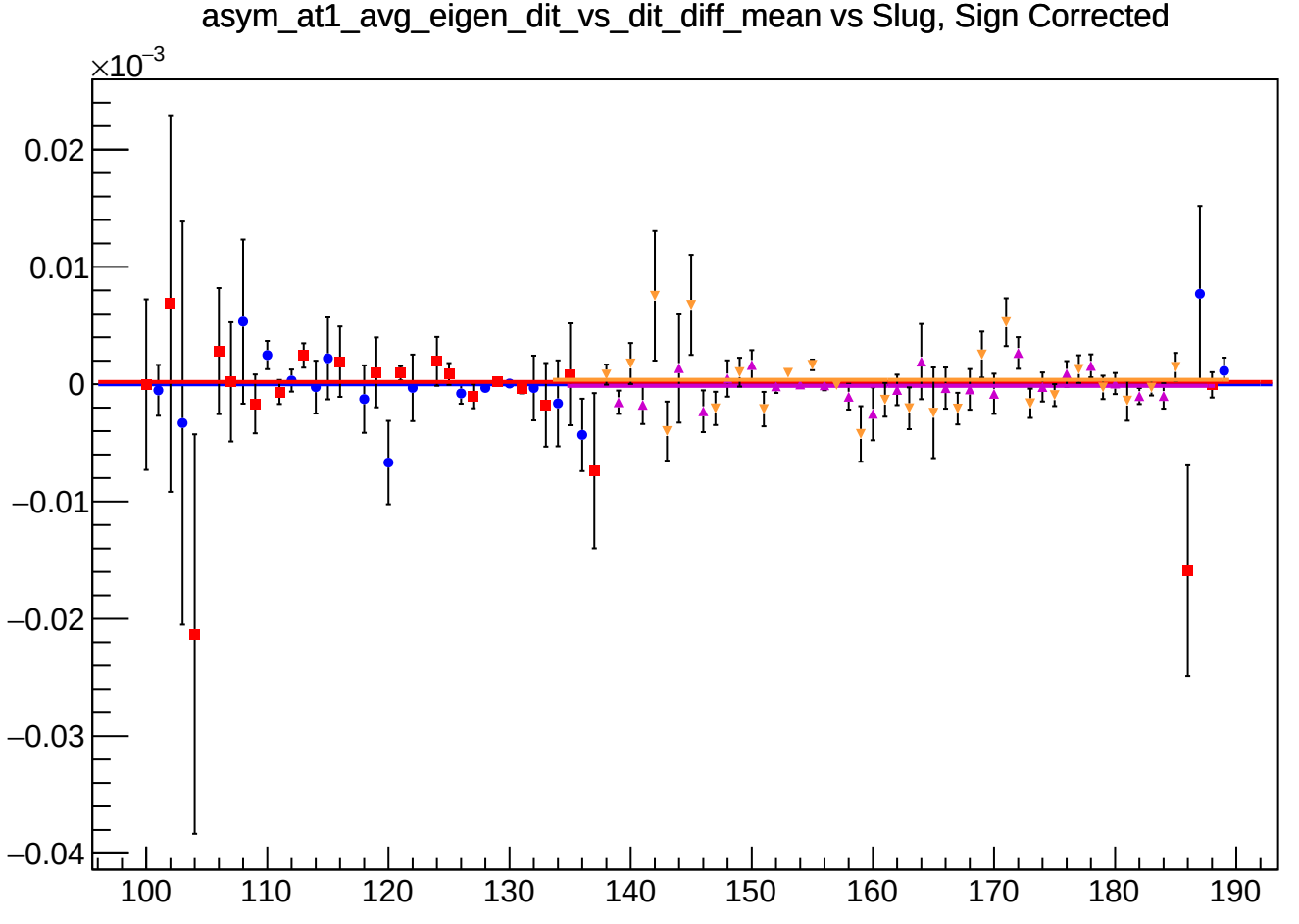
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 58.889+/-0.013 χ^2/NDF: 6458703.6/38

In: 49.286+/-0.008 χ^2/NDF:4962406.2/40

Out: 49.847+/-0.008 χ^2/NDF:7624174.1/45

All: 49.566+/-0.006 χ^2/NDF: 12589133.1/86



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

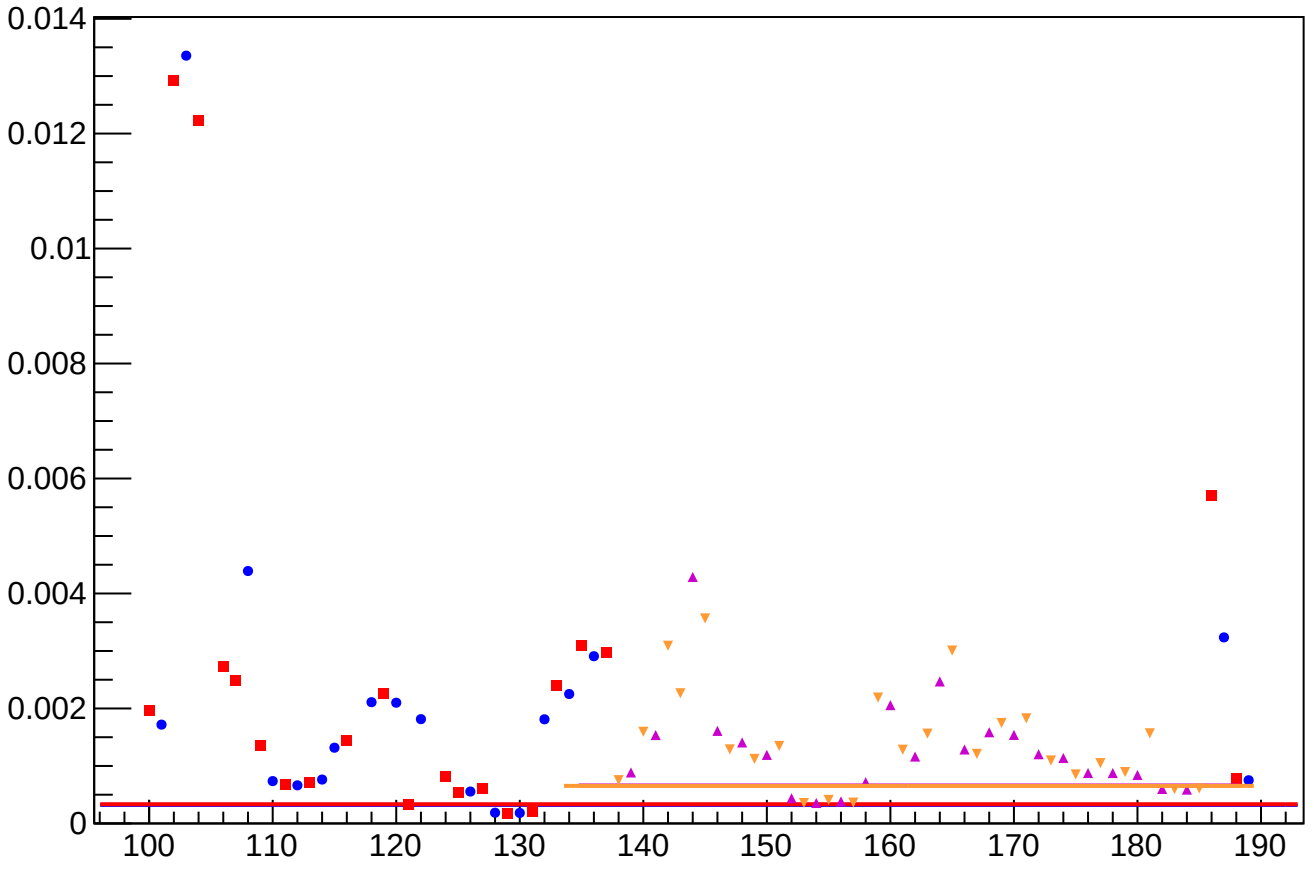
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 34.4/38

In: -0.000+/-0.000 χ^2/NDF:35.1/40

Out: 0.000+/-0.000 χ^2/NDF:71.1/45

All: 0.000+/-0.000 χ^2/NDF: 110.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 9357988.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9092239.3/20

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

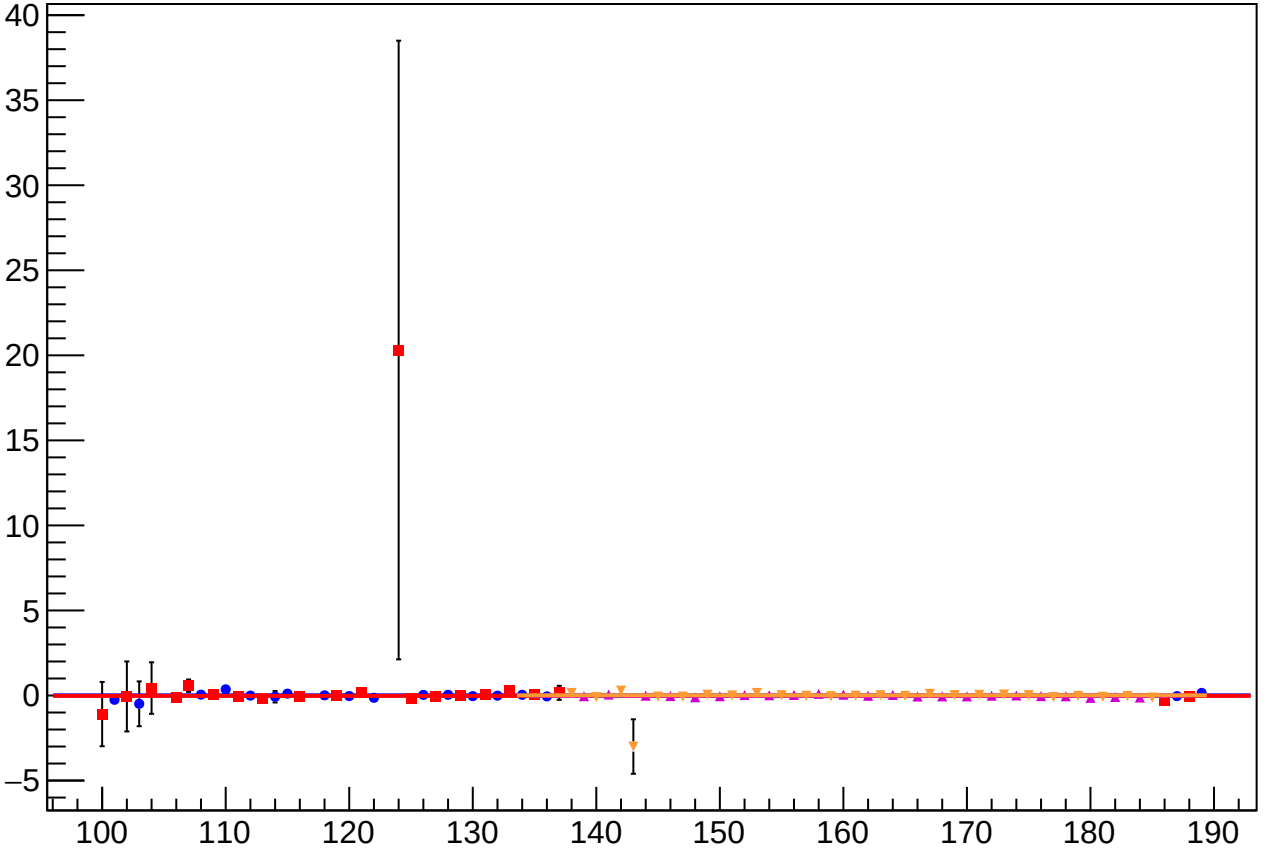
Right: 0.000+/-0.000 χ^2/NDF: 18453729.8/38

In: 0.000+/-0.000 χ^2/NDF:22242245.8/40

Out: 0.001+/-0.000 χ^2/NDF:24126206.0/45

All: 0.000+/-0.000 χ^2/NDF: 46370394.1/86

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

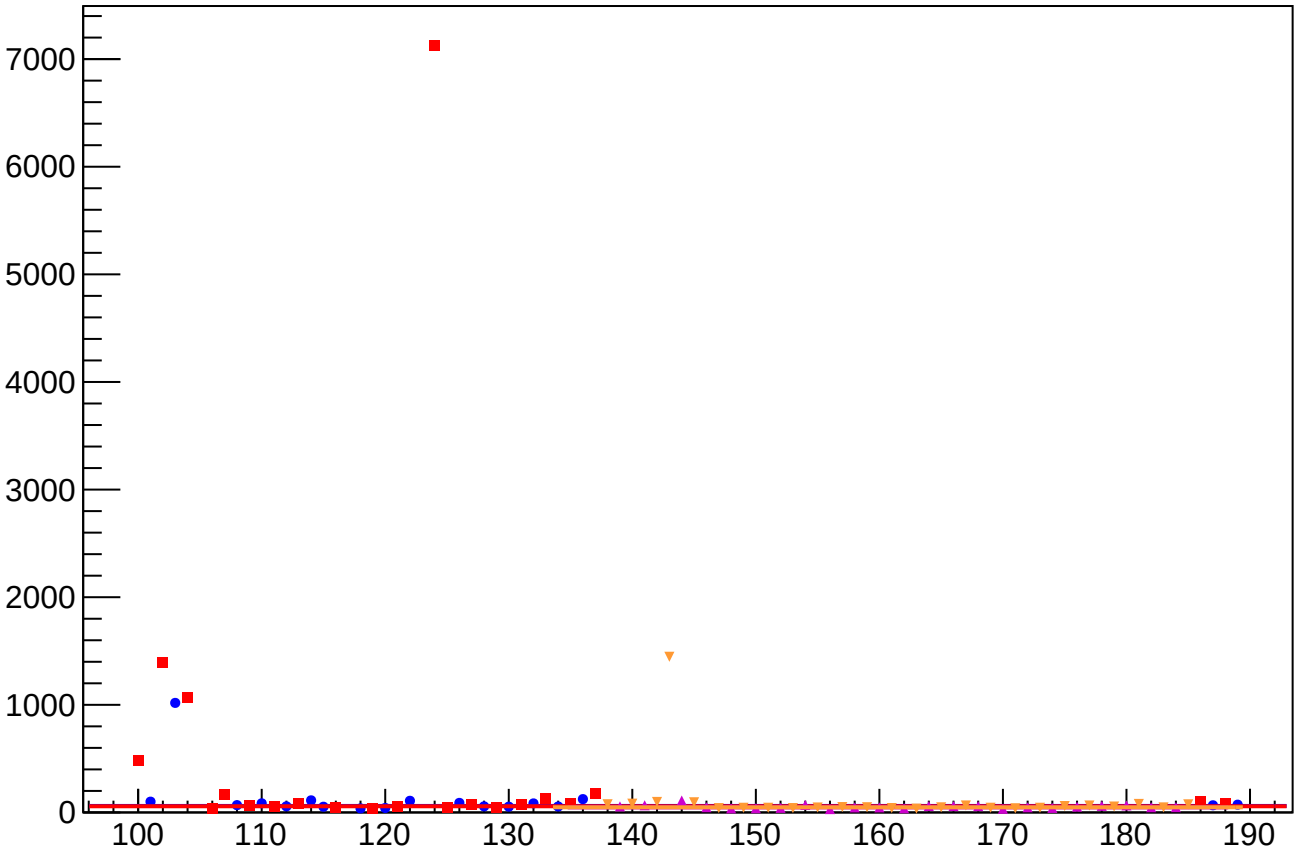
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.007+/-0.018 χ^2/NDF: 33.9/38

In: -0.013+/-0.011 χ^2/NDF:33.8/40

Out: 0.005+/-0.011 χ^2/NDF:51.6/45

All: -0.004+/-0.008 χ^2/NDF: 86.7/86



Right In: 60.454+/-0.018 χ^2/NDF: 2557798.3/17

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 57.472+/-0.017 χ^2/NDF: 3887109.3/20

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

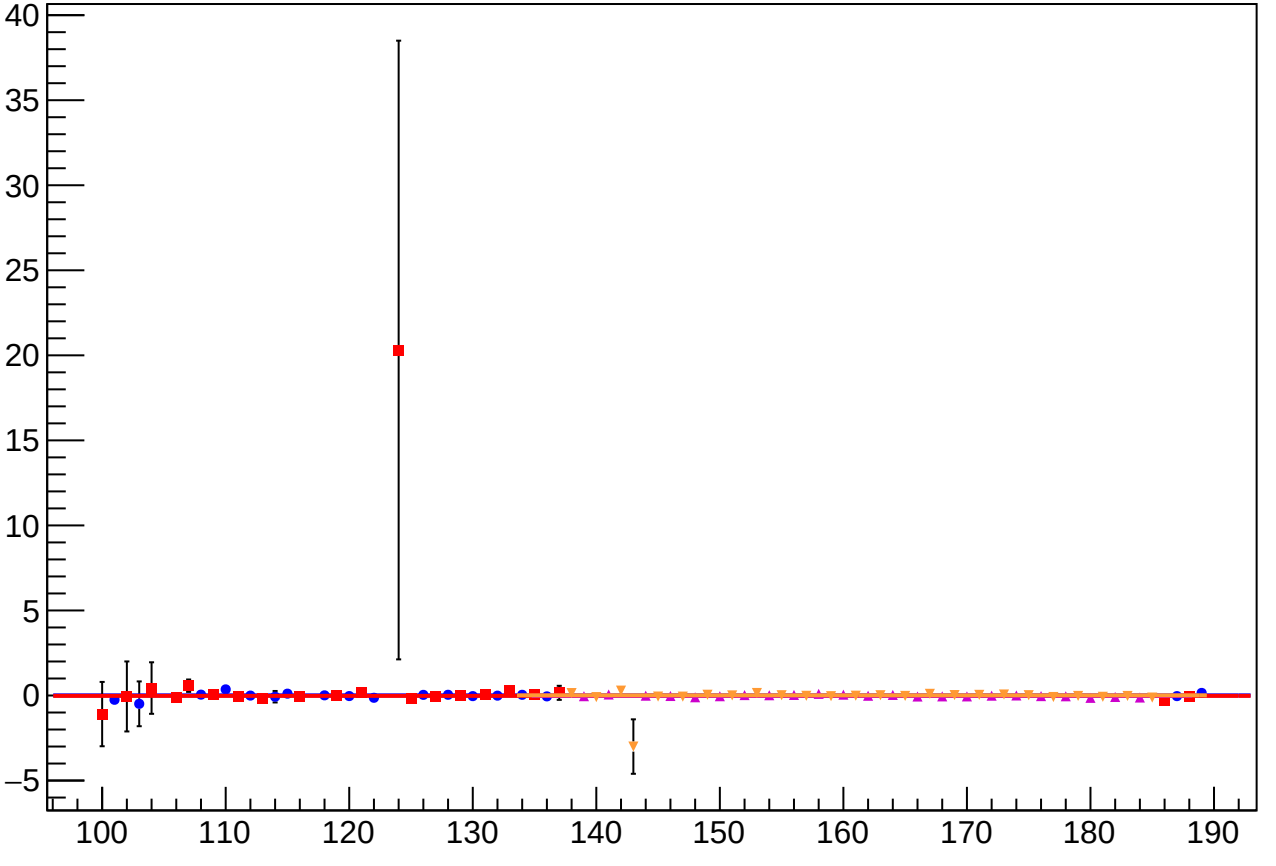
Right: 58.888+/-0.013 χ^2/NDF: 6458824.0/38

In: 49.286+/-0.008 χ^2/NDF:4962411.2/40

Out: 49.847+/-0.008 χ^2/NDF:7624185.5/45

All: 49.566+/-0.006 χ^2/NDF: 12589149.9/86

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.026 χ^2/NDF: 12.6/17

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

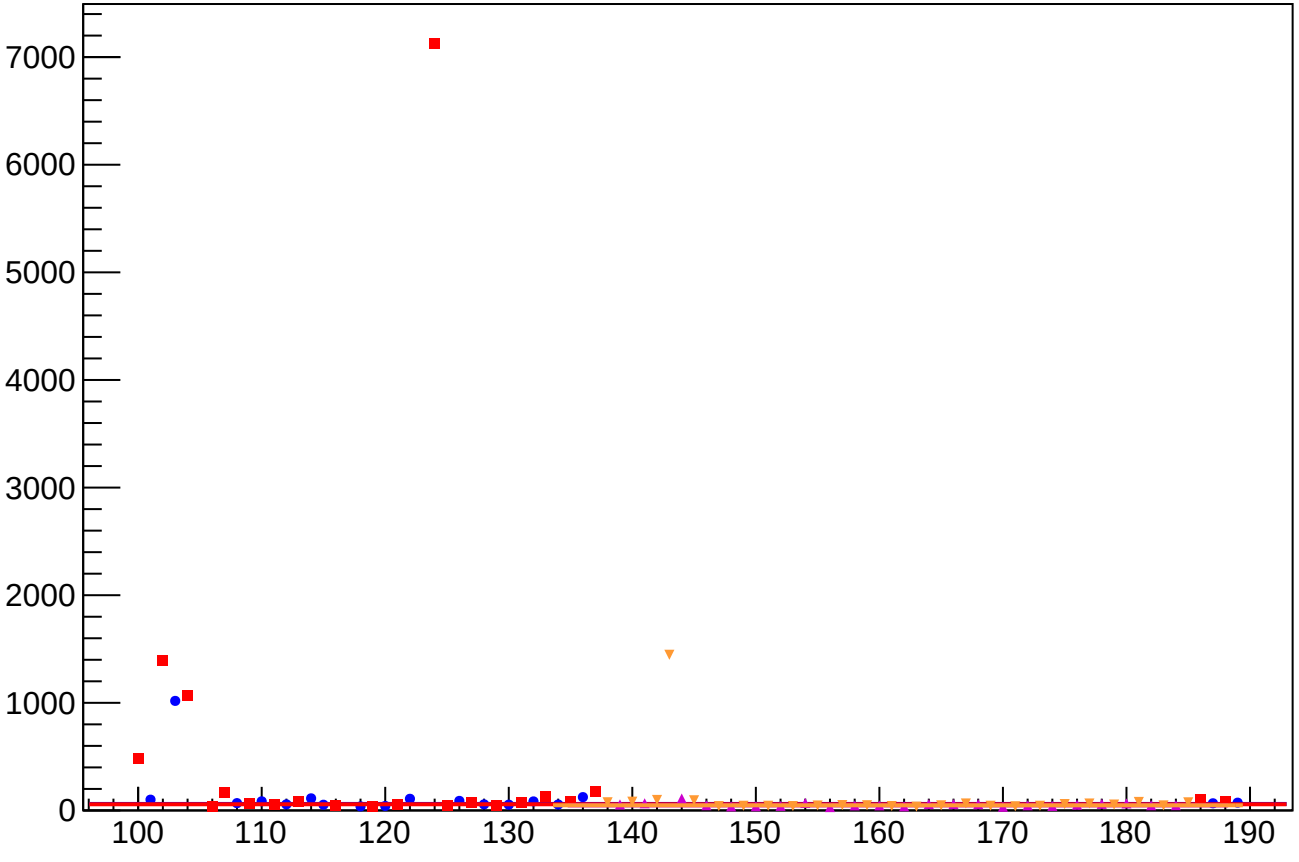
Right: -0.007+/-0.018 χ^2/NDF: 33.9/38

In: -0.013+/-0.011 χ^2/NDF:33.8/40

Out: 0.005+/-0.011 χ^2/NDF:51.6/45

All: -0.004+/-0.008 χ^2/NDF: 86.7/86

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.454+/-0.018 χ^2/NDF: 2557798.3/17

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 57.472+/-0.017 χ^2/NDF: 3887109.3/20

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

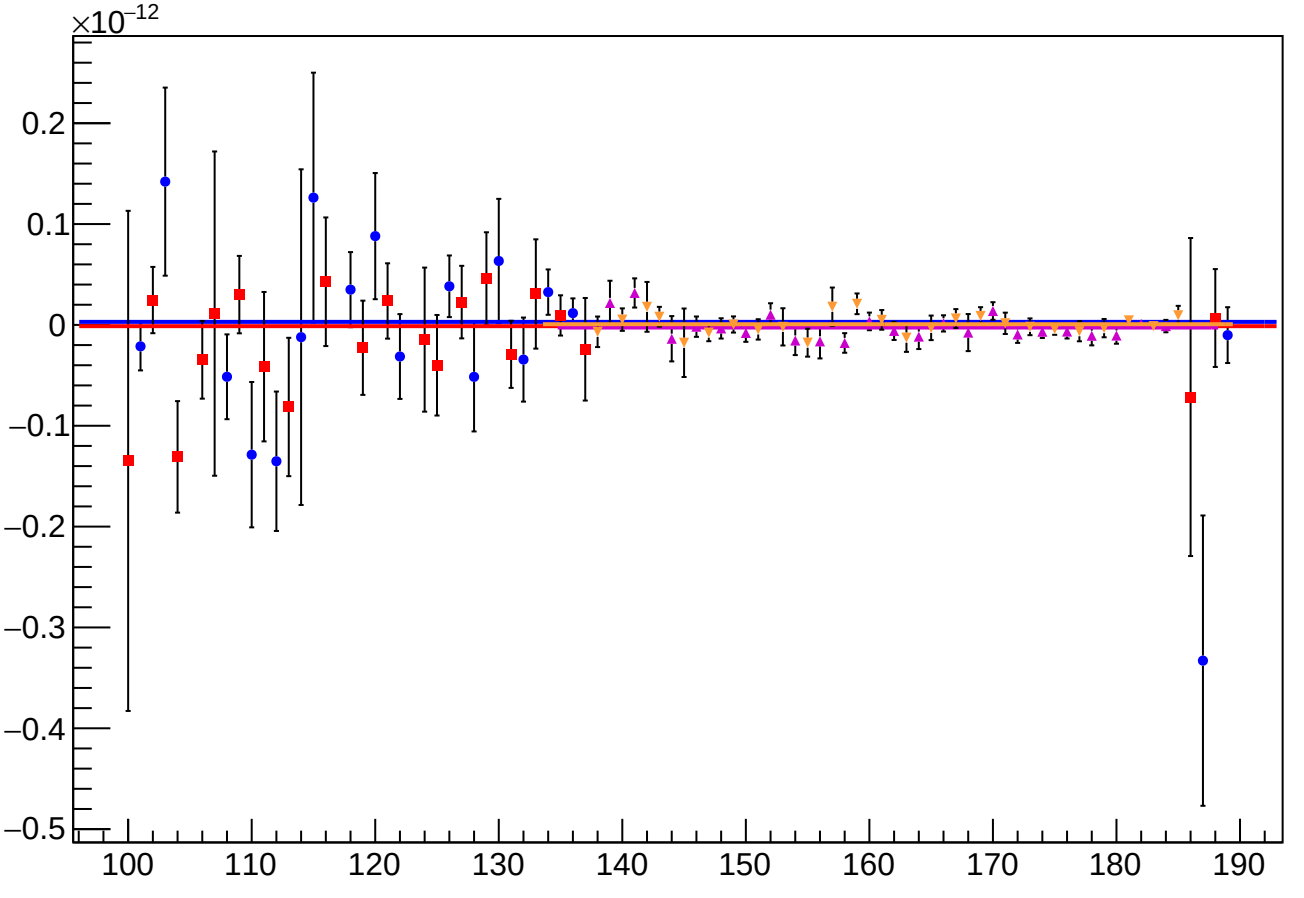
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 58.888+/-0.013 χ^2/NDF: 6458824.0/38

In: 49.286+/-0.008 χ^2/NDF:4962411.2/40

Out: 49.847+/-0.008 χ^2/NDF:7624185.5/45

All: 49.566+/-0.006 χ^2/NDF: 12589149.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/20

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

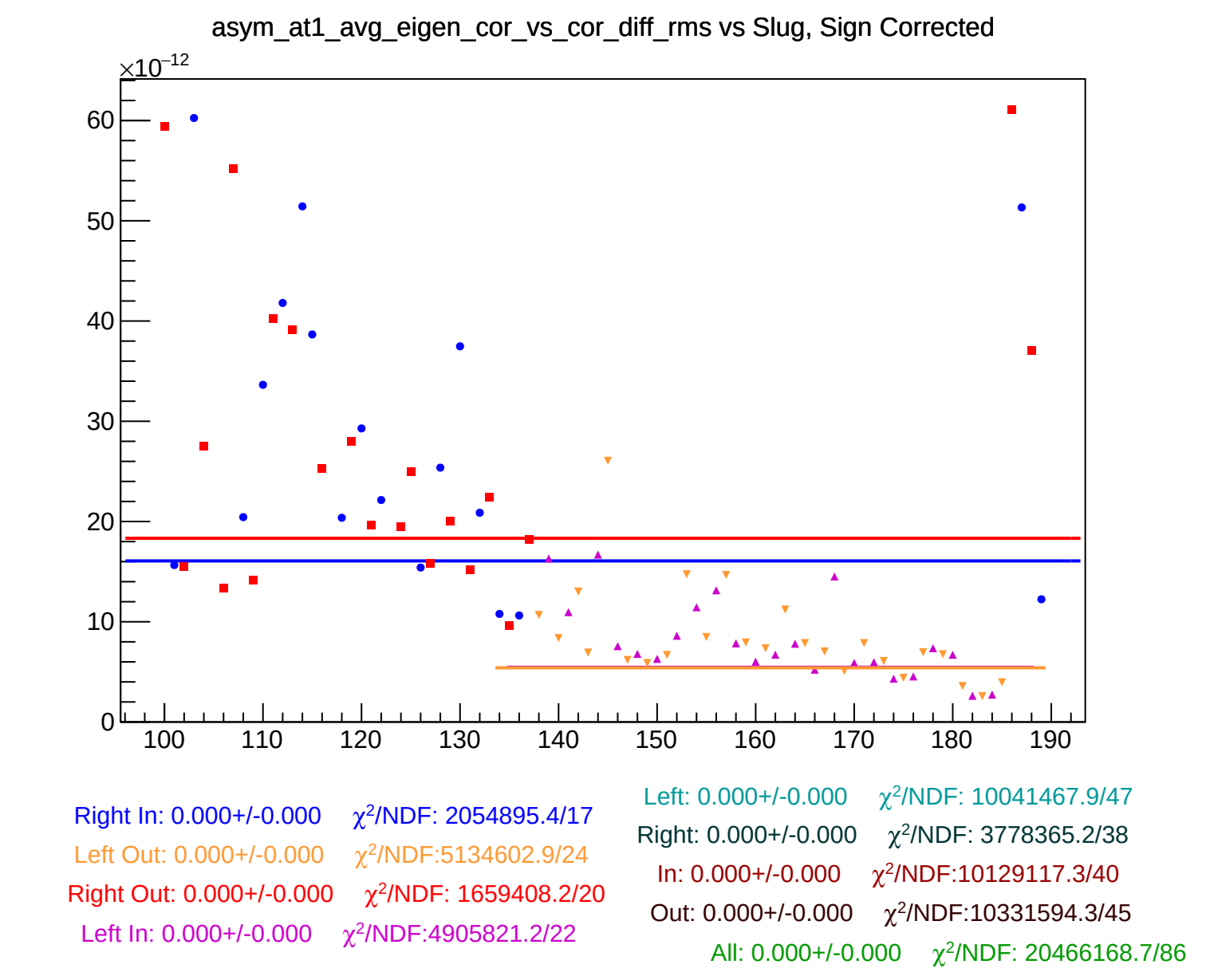
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

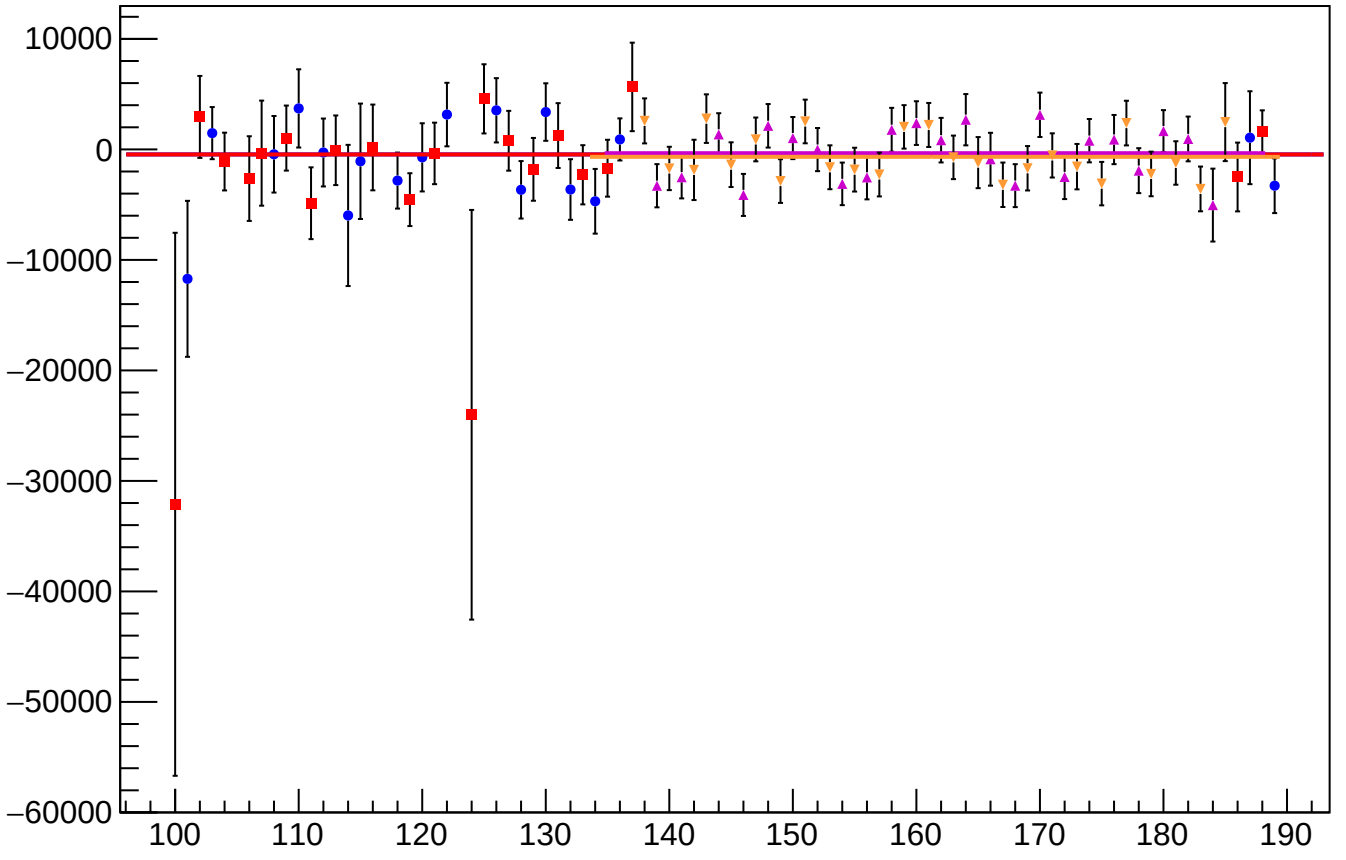
Right: 0.000+/-0.000 χ^2/NDF: 43.0/38

In: -0.000+/-0.000 χ^2/NDF:50.6/40

Out: 0.000+/-0.000 χ^2/NDF:29.7/45

All: -0.000+/-0.000 χ^2/NDF: 81.8/86


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2054895.4/17
Left Out: 0.000+/-0.000 χ²/NDF:5134602.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1659408.2/20
Left In: 0.000+/-0.000 χ²/NDF:4905821.2/22
Left: 0.000+/-0.000 χ²/NDF: 10041467.9/47
Right: 0.000+/-0.000 χ²/NDF: 3778365.2/38
In: 0.000+/-0.000 χ²/NDF:10129117.3/40
Out: 0.000+/-0.000 χ²/NDF:10331594.3/45
All: 0.000+/-0.000 χ²/NDF: 20466168.7/86



Right In: -454.472+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -456.784+/-671.662 χ^2/NDF: 17.5/20

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

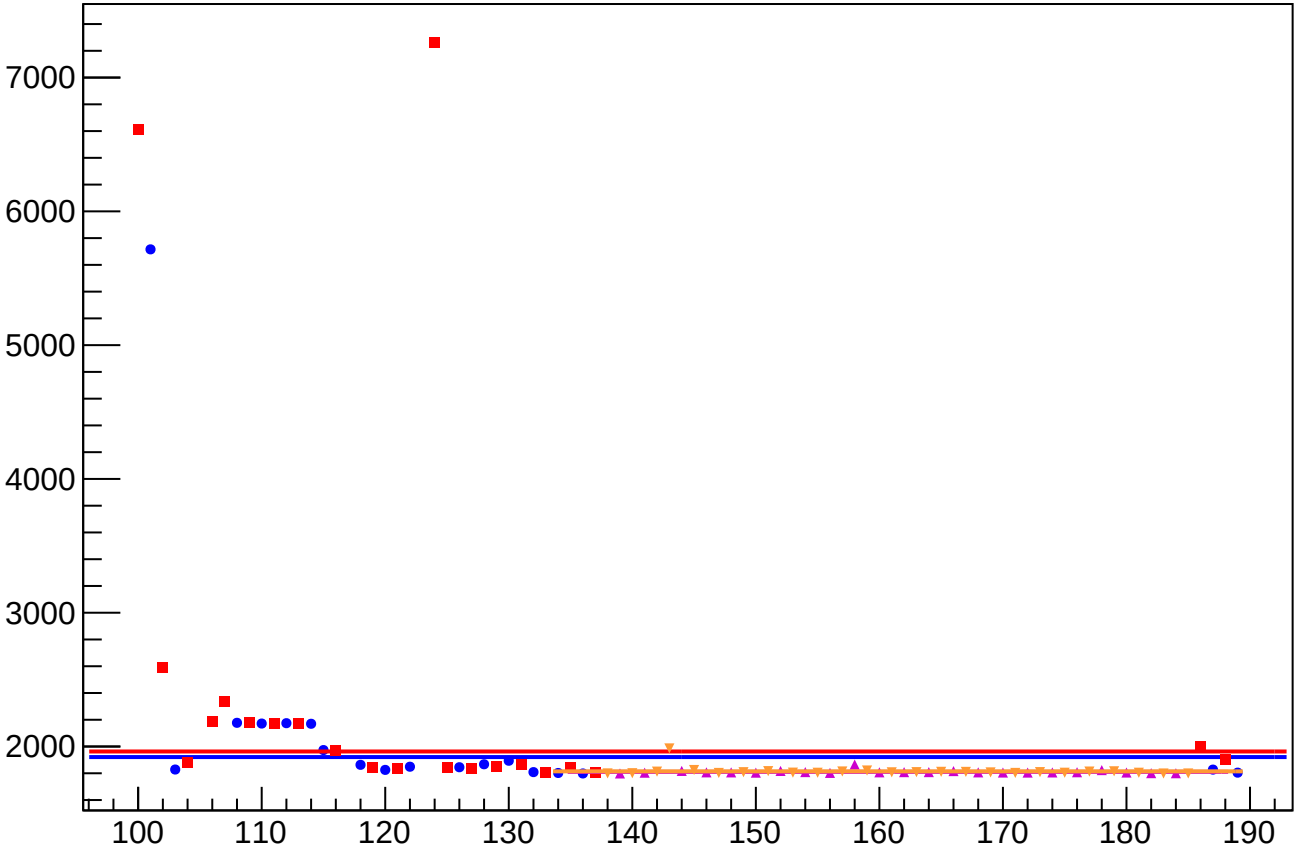
Right: -455.668+/-482.989 χ^2/NDF: 36.3/38

In: -373.059+/-361.161 χ^2/NDF:48.9/40

Out: -611.695+/-351.321 χ^2/NDF:42.3/45

All: -495.673+/-251.828 χ^2/NDF: 91.4/86

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.6/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1962.907+/-0.475 χ^2/NDF: 380710.6/20

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

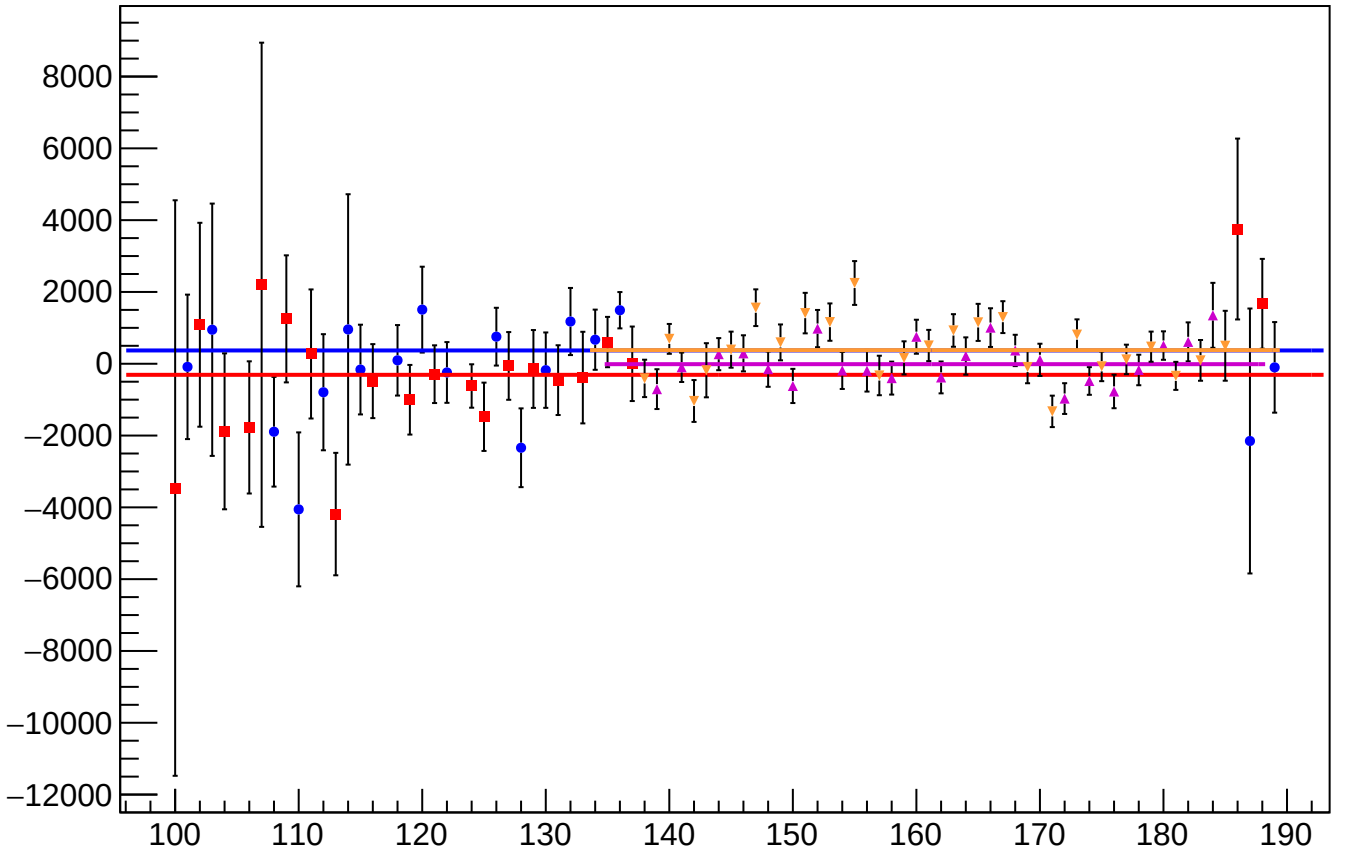
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1942.716+/-0.342 χ^2/NDF: 1030425.0/38

In: 1840.331+/-0.255 χ^2/NDF:684933.1/40

Out: 1855.056+/-0.248 χ^2/NDF:464803.4/45

All: 1847.897+/-0.178 χ^2/NDF: 1151444.7/86



Right In: 370.450+/-252.714 χ^2/NDF: 21.8/17

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -308.336+/-246.622 χ^2/NDF: 17.1/20

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

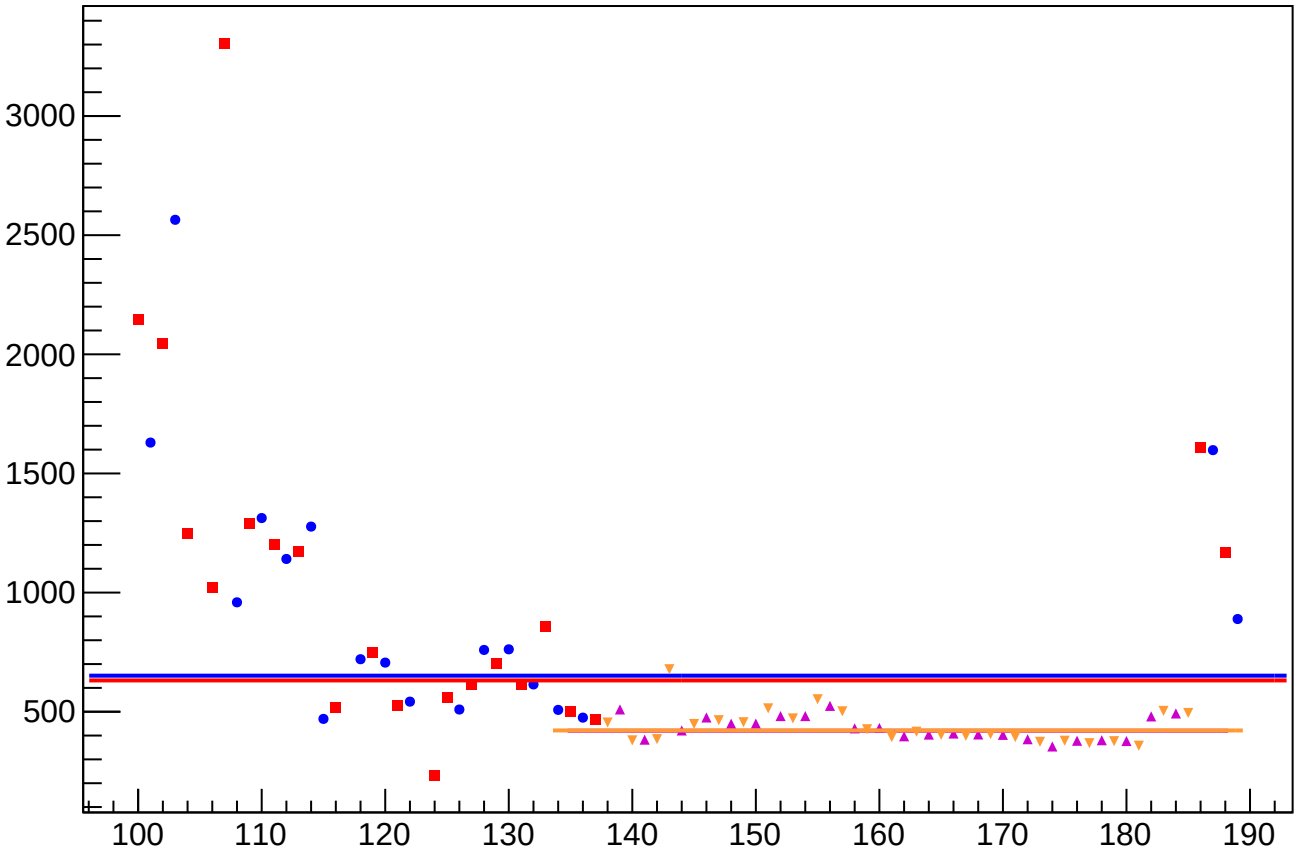
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 22.778+/-176.502 χ^2/NDF: 42.5/38

In: 39.272+/-92.160 χ^2/NDF:54.8/40

Out: 287.201+/-90.279 χ^2/NDF:86.1/45

All: 165.792+/-64.492 χ^2/NDF: 144.7/86



Right In: 651.334+/-0.179 χ^2/NDF: 2275911.9/17

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 631.351+/-0.174 χ^2/NDF: 3643629.6/20

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

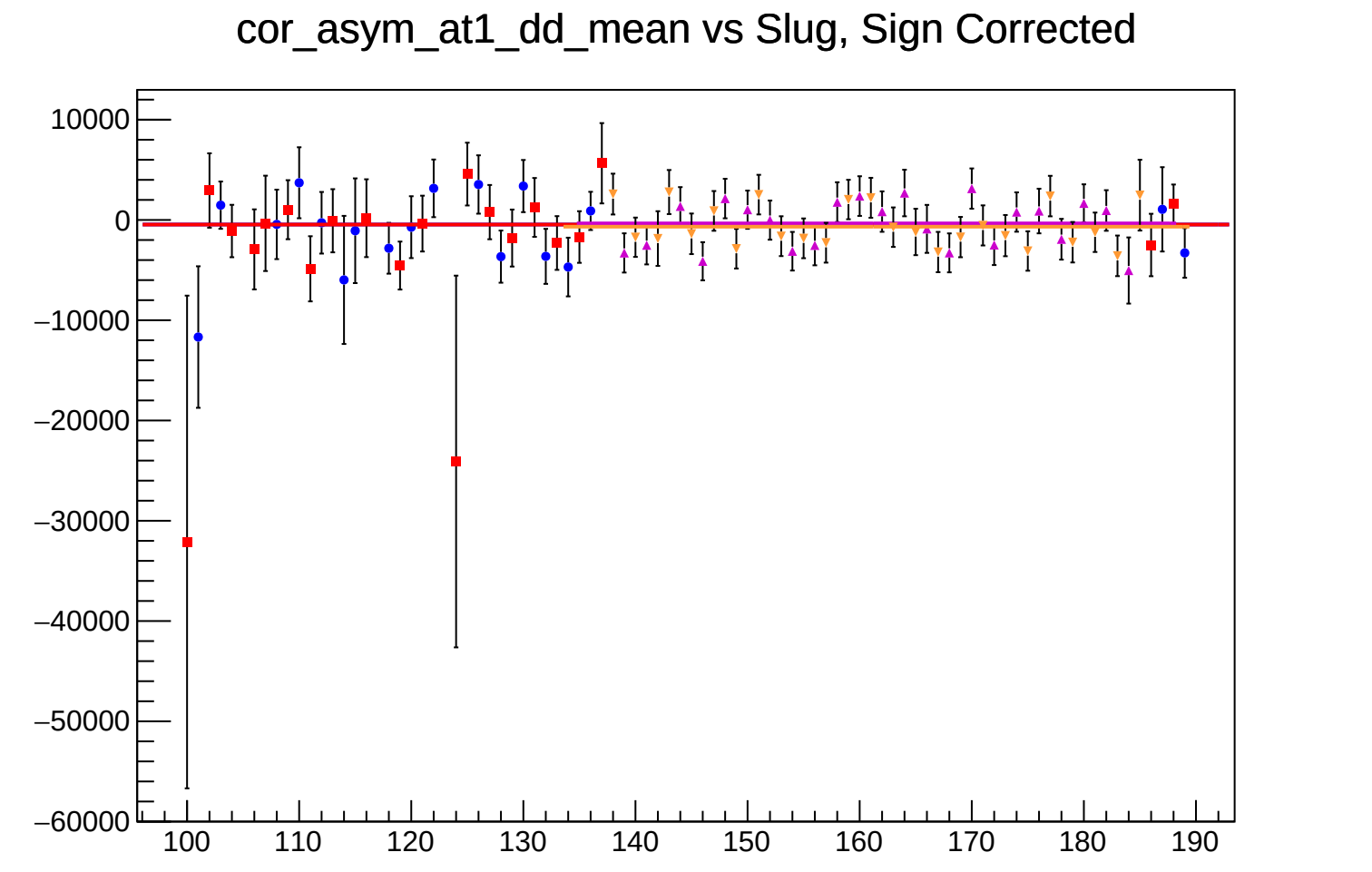
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 641.099+/-0.125 χ^2/NDF: 5925946.7/38

In: 450.958+/-0.065 χ^2/NDF:4139279.8/40

Out: 449.548+/-0.064 χ^2/NDF:5641694.6/45

All: 450.239+/-0.046 χ^2/NDF: 9781213.3/86



Right In: -453.750+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -460.261+/-672.478 χ^2/NDF: 17.6/20

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

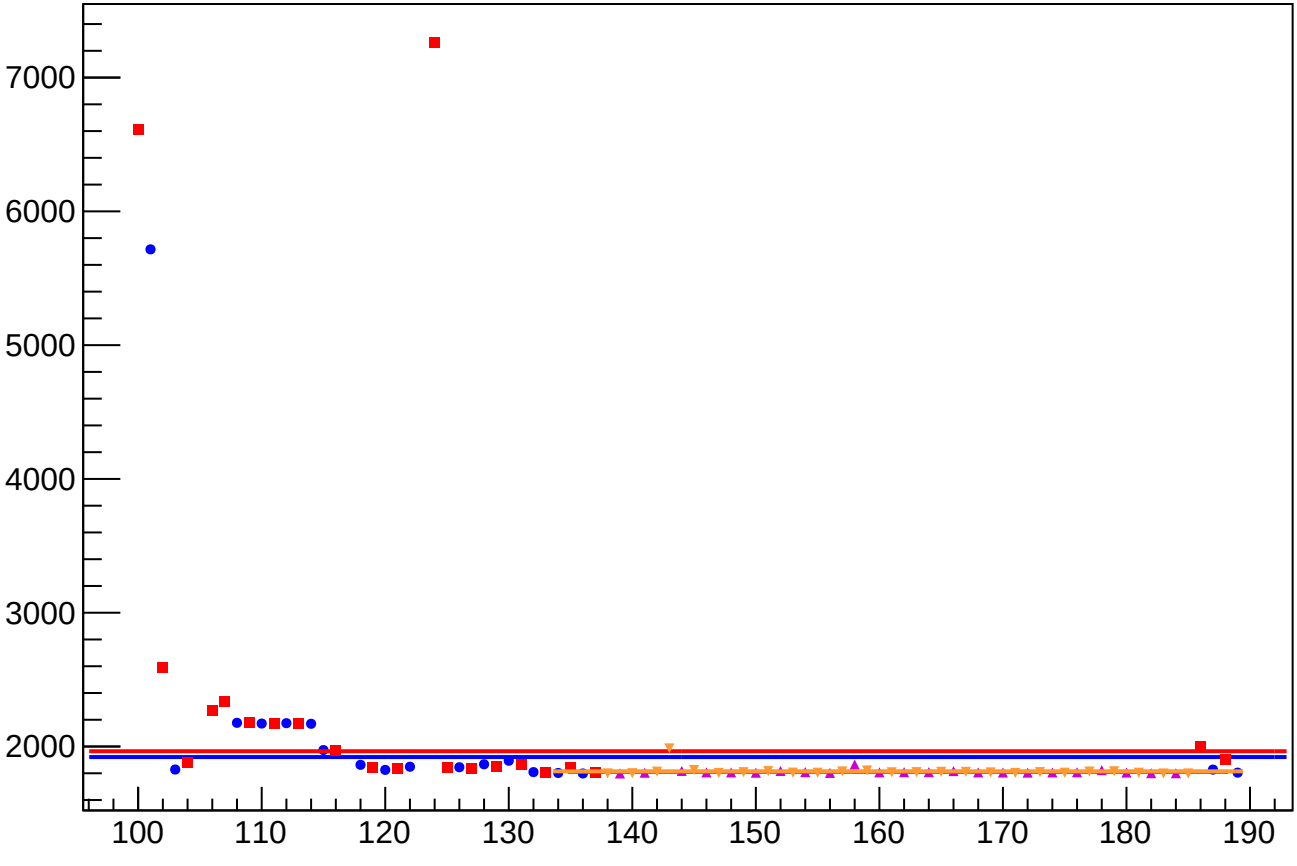
Right: -457.113+/-483.292 χ^2/NDF: 36.3/38

In: -372.896+/-361.161 χ^2/NDF:48.8/40

Out: -612.741+/-351.437 χ^2/NDF:42.4/45

All: -496.091+/-251.871 χ^2/NDF: 91.4/86

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.5/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1964.686+/-0.476 χ^2/NDF: 385611.0/20

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

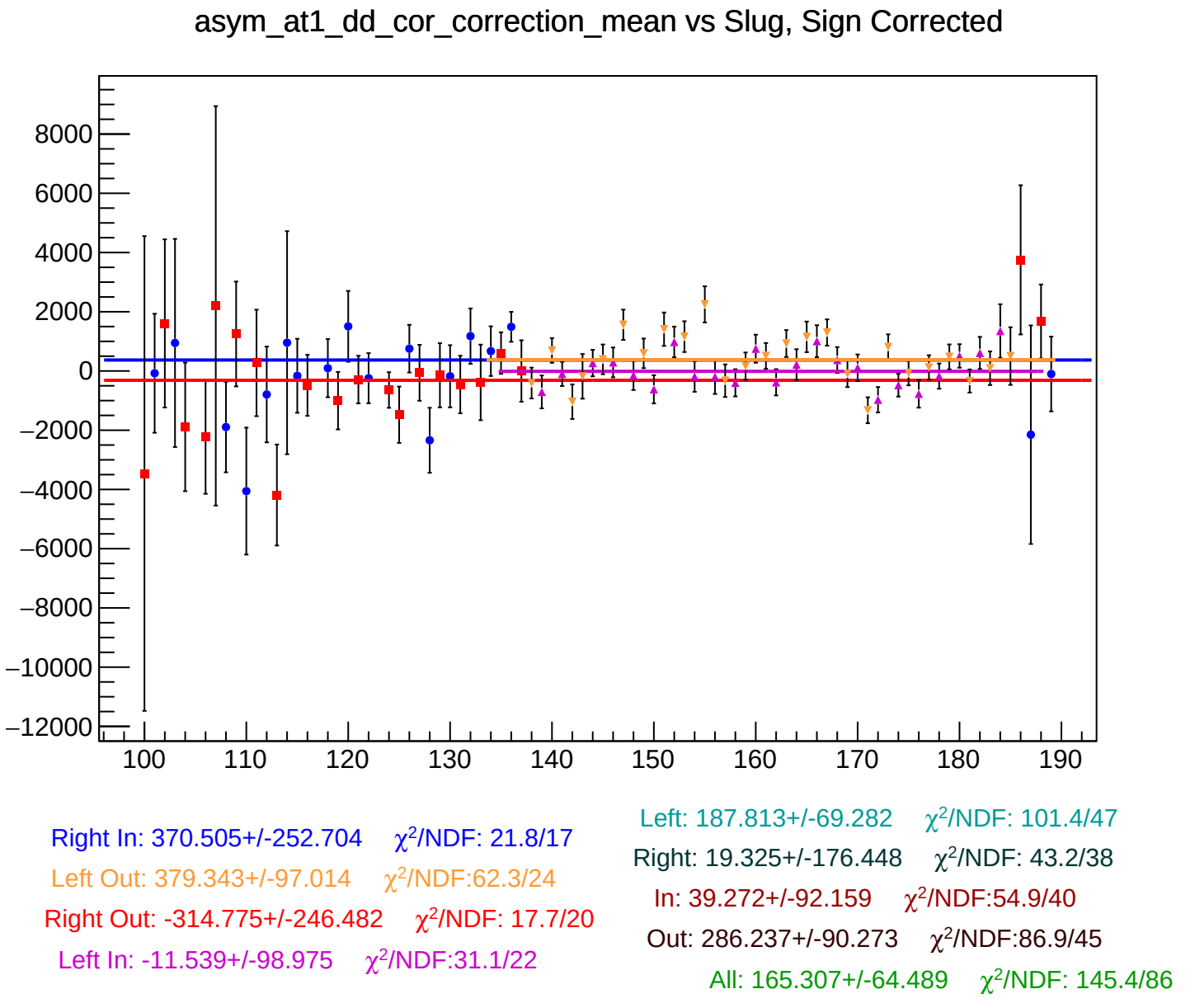
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

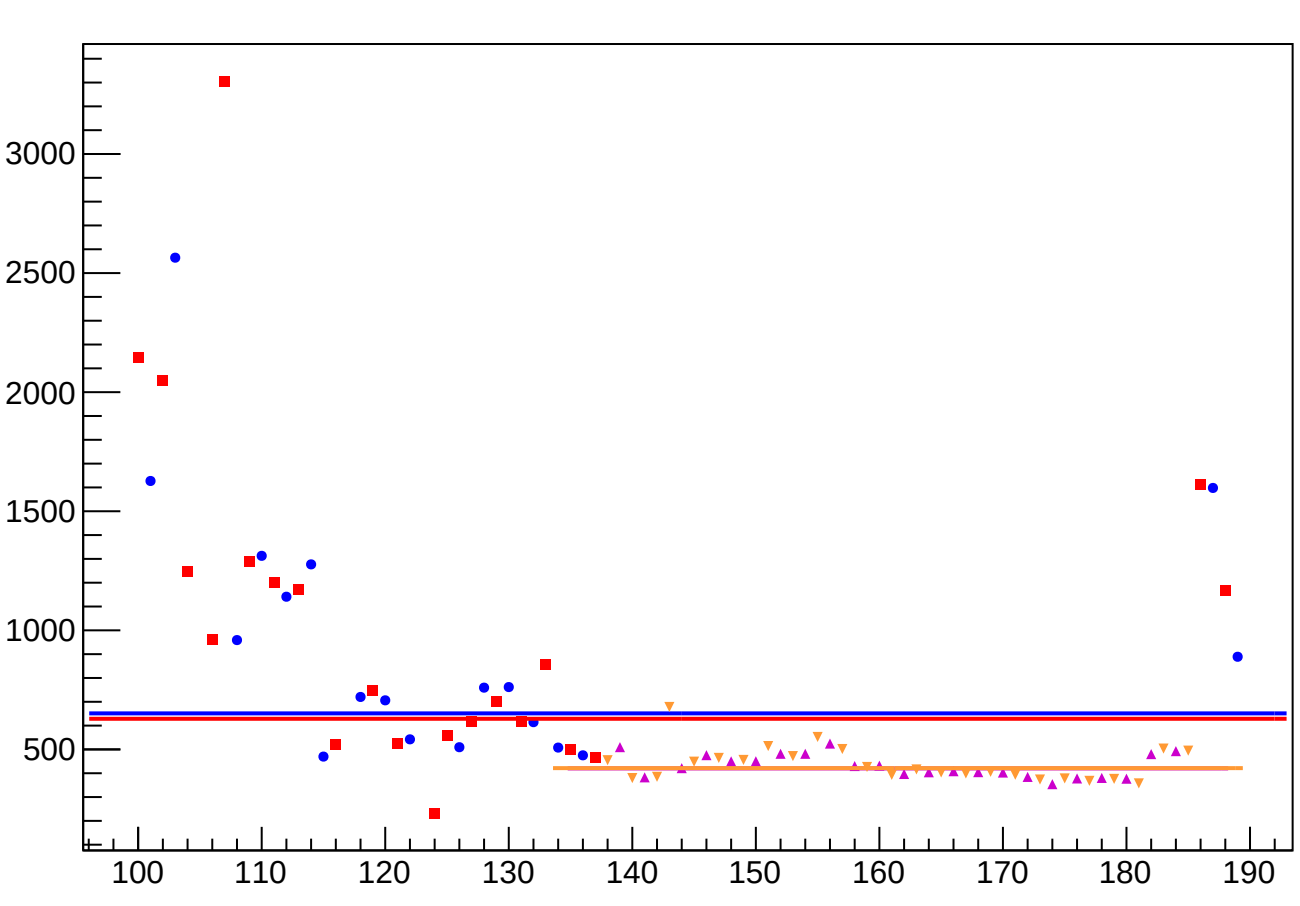
Right: 1943.610+/-0.342 χ^2/NDF: 1035645.8/38

In: 1840.331+/-0.255 χ^2/NDF:684933.0/40

Out: 1855.470+/-0.249 χ^2/NDF:471287.2/45

All: 1848.107+/-0.178 χ^2/NDF: 1158025.2/86


asym_at1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 370.505+/-252.704 χ²/NDF: 21.8/17
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -314.775+/-246.482 χ²/NDF: 17.7/20
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 19.325+/-176.448 χ²/NDF: 43.2/38
In: 39.272+/-92.159 χ²/NDF:54.9/40
Out: 286.237+/-90.273 χ²/NDF:86.9/45
All: 165.307+/-64.489 χ²/NDF: 145.4/86



Right In: 651.331+/-0.179 χ^2/NDF: 2275056.5/17

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 628.680+/-0.174 χ^2/NDF: 3635507.9/20

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

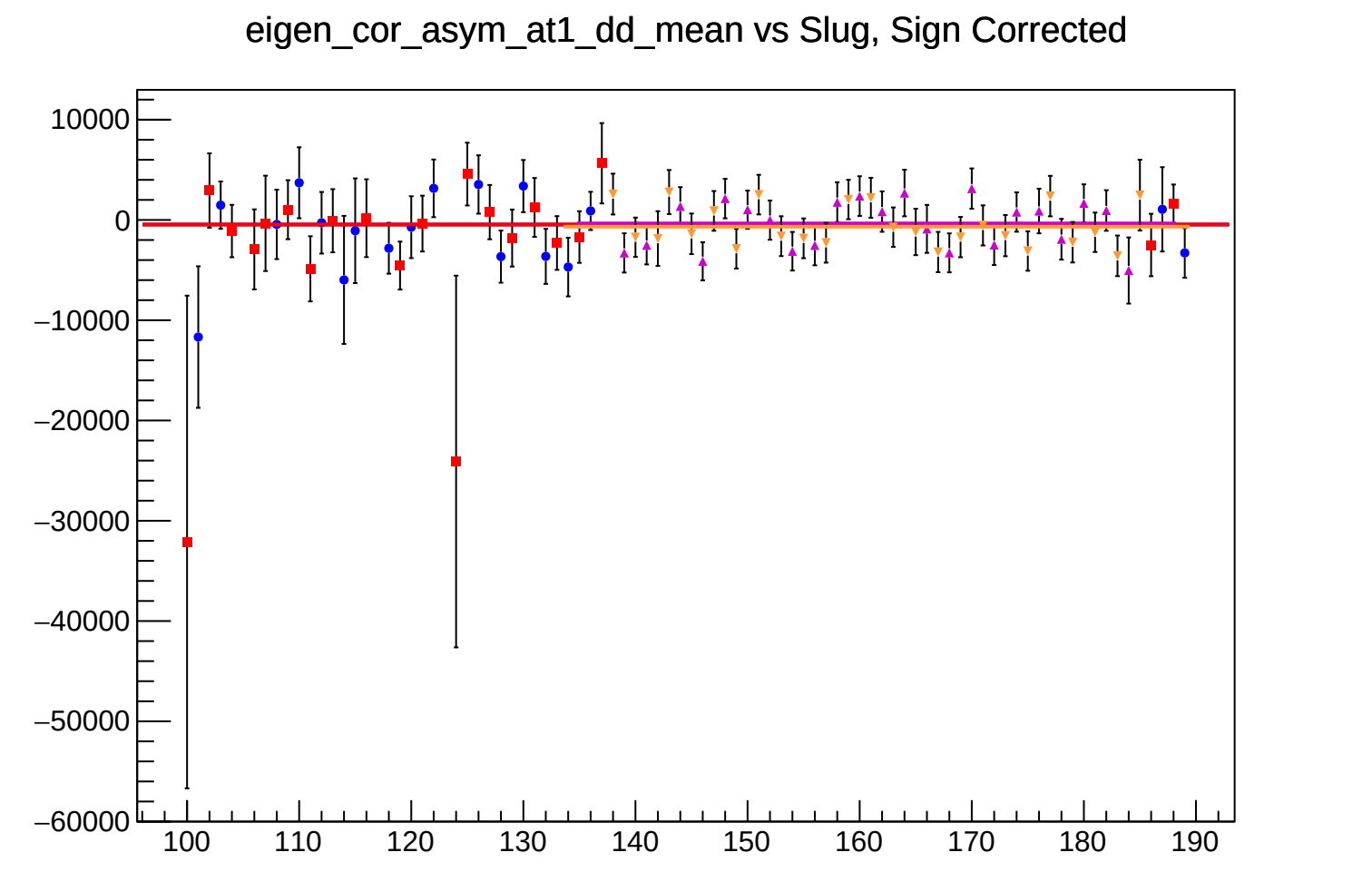
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 639.723+/-0.125 χ^2/NDF: 5918799.5/38

In: 450.956+/-0.065 χ^2/NDF:4138585.3/40

Out: 449.221+/-0.064 χ^2/NDF:5602942.8/45

All: 450.071+/-0.046 χ^2/NDF: 9741890.0/86



Right In: -453.750+/-695.037 χ^2/NDF: 18.8/17

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -460.261+/-672.478 χ^2/NDF: 17.6/20

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

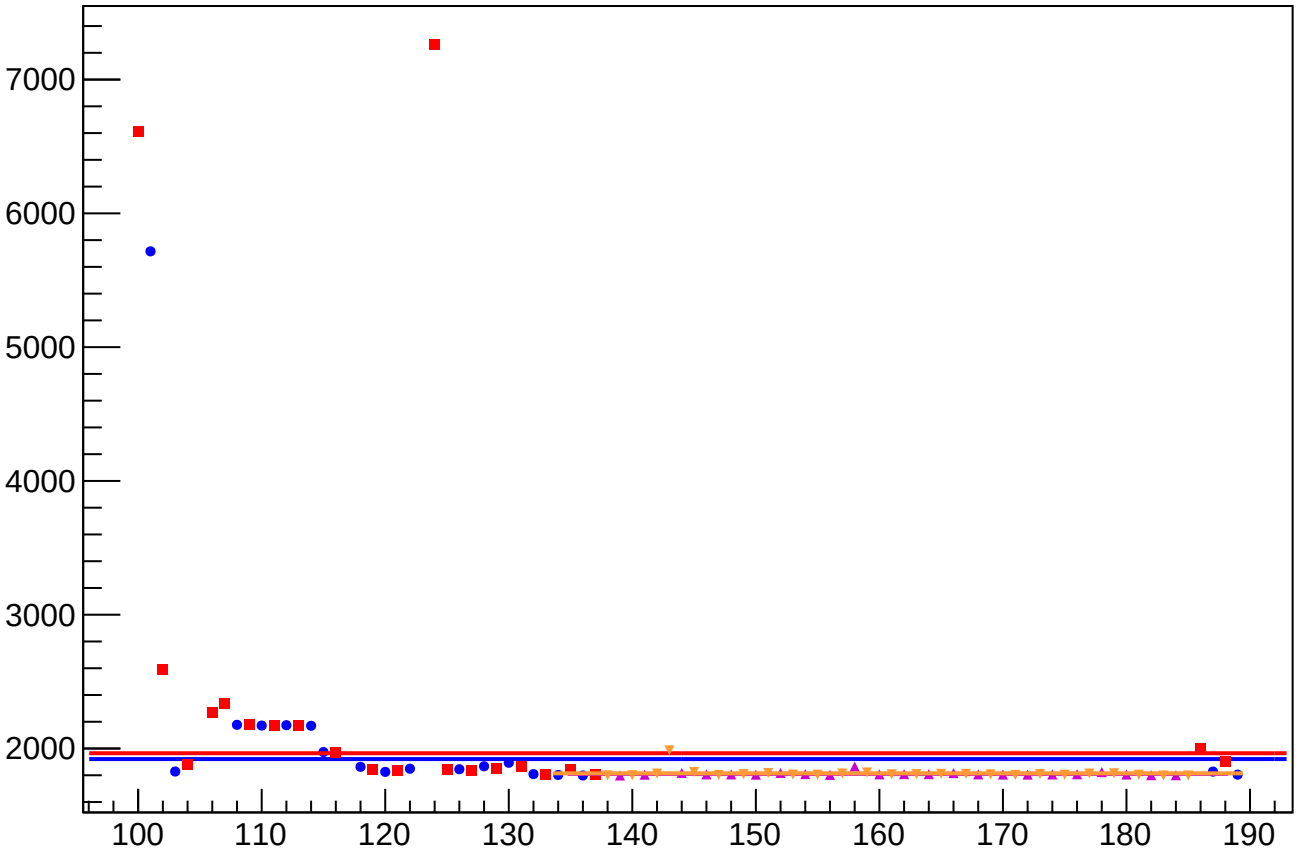
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -457.113+/-483.292 χ^2/NDF: 36.3/38

In: -372.896+/-361.161 χ^2/NDF:48.8/40

Out: -612.741+/-351.437 χ^2/NDF:42.4/45

All: -496.091+/-251.871 χ^2/NDF: 91.4/86



Right In: 1921.095+/-0.491 χ^2/NDF: 645971.5/17

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1964.686+/-0.476 χ^2/NDF: 385611.0/20

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

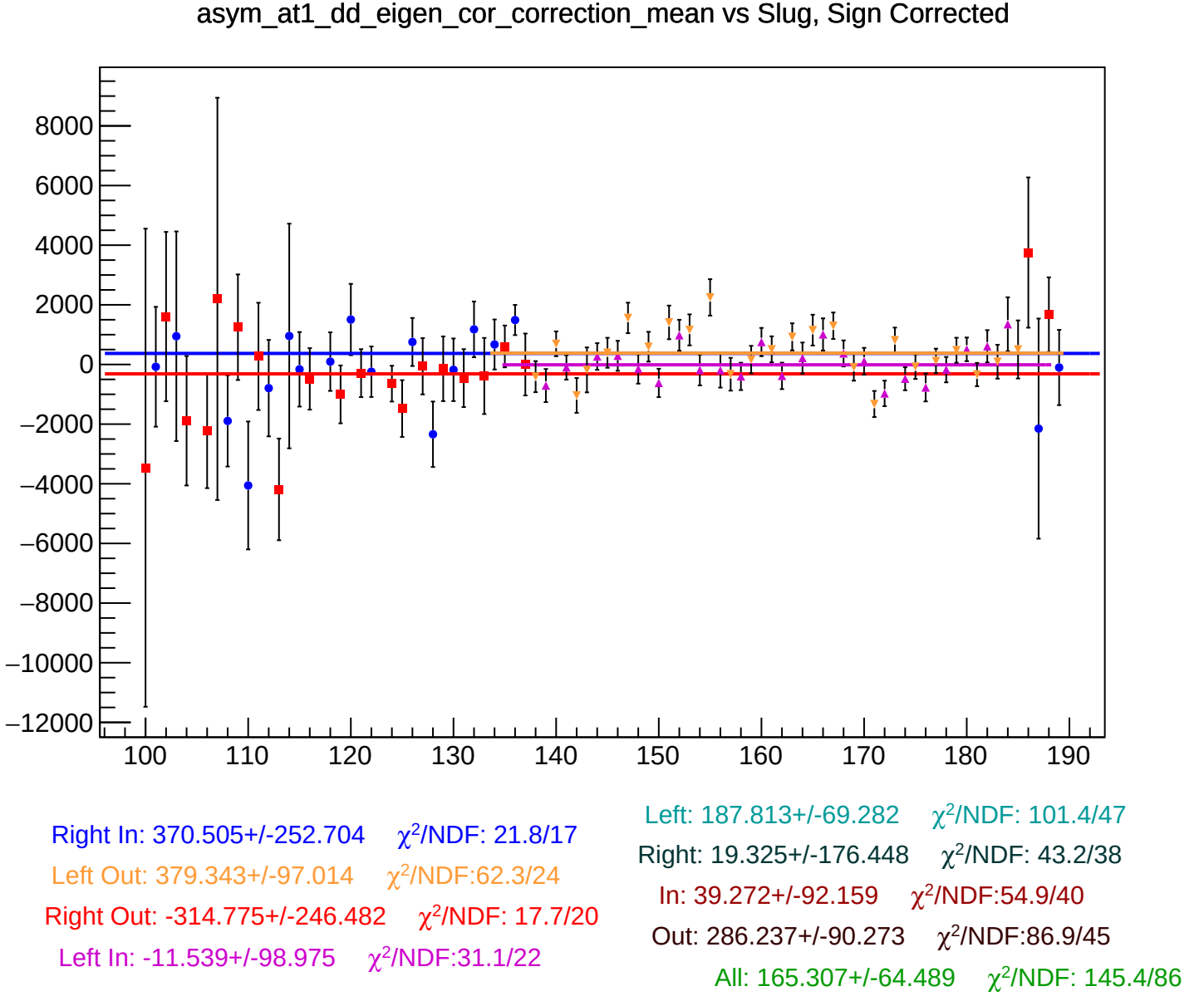
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

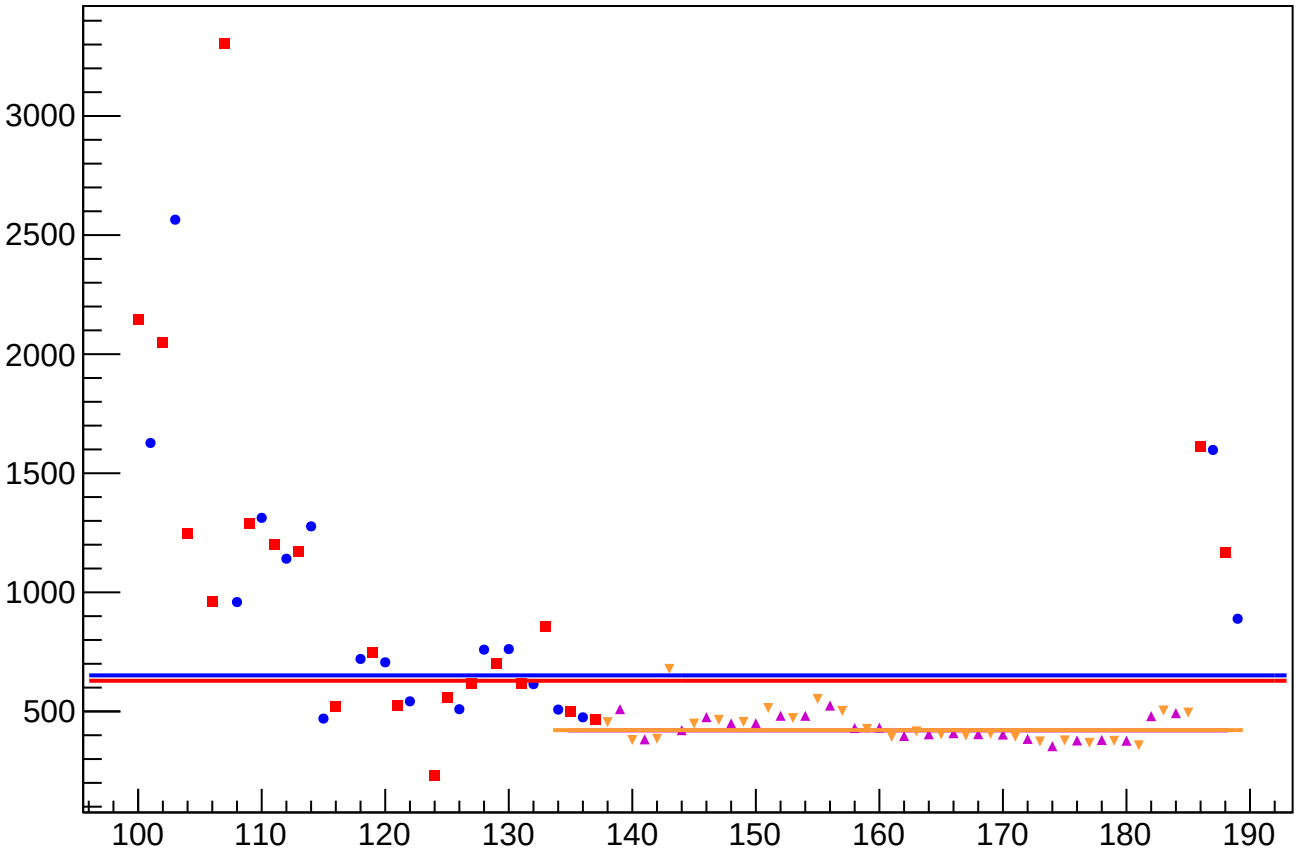
Right: 1943.610+/-0.342 χ^2/NDF: 1035645.8/38

In: 1840.331+/-0.255 χ^2/NDF:684933.0/40

Out: 1855.470+/-0.249 χ^2/NDF:471287.2/45

All: 1848.107+/-0.178 χ^2/NDF: 1158025.2/86


asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 370.505+/-252.704 χ²/NDF: 21.8/17
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -314.775+/-246.482 χ²/NDF: 17.7/20
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 19.325+/-176.448 χ²/NDF: 43.2/38
In: 39.272+/-92.159 χ²/NDF:54.9/40
Out: 286.237+/-90.273 χ²/NDF:86.9/45
All: 165.307+/-64.489 χ²/NDF: 145.4/86



Right In: 651.331+/-0.179 χ^2/NDF: 2275056.5/17

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 628.680+/-0.174 χ^2/NDF: 3635507.9/20

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

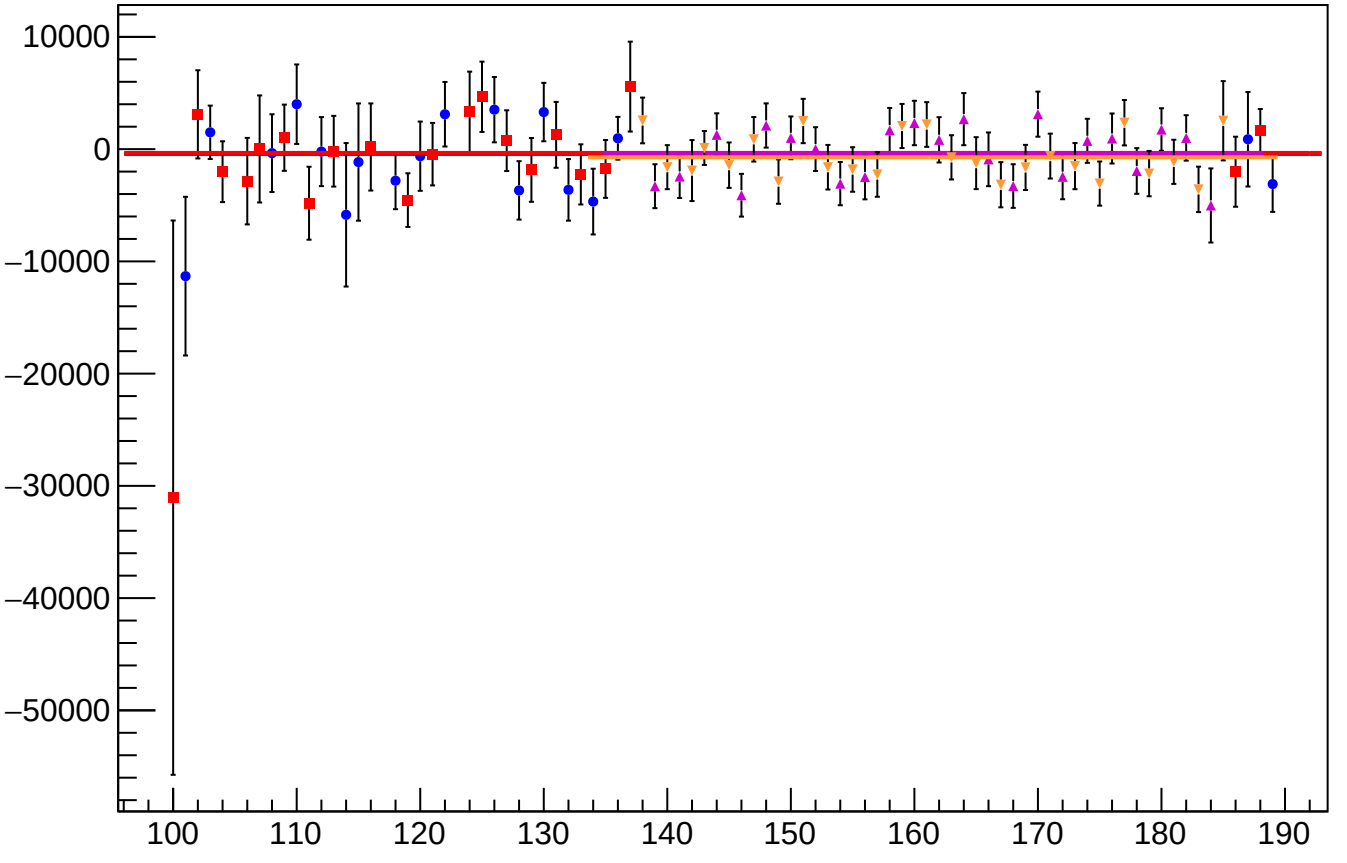
Right: 639.723+/-0.125 χ^2/NDF: 5918799.5/38

In: 450.956+/-0.065 χ^2/NDF:4138585.3/40

Out: 449.221+/-0.064 χ^2/NDF:5602942.8/45

All: 450.071+/-0.046 χ^2/NDF: 9741890.0/86

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.415+/-695.814 χ^2/NDF: 18.5/17

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -337.604+/-663.785 χ^2/NDF: 17.0/20

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

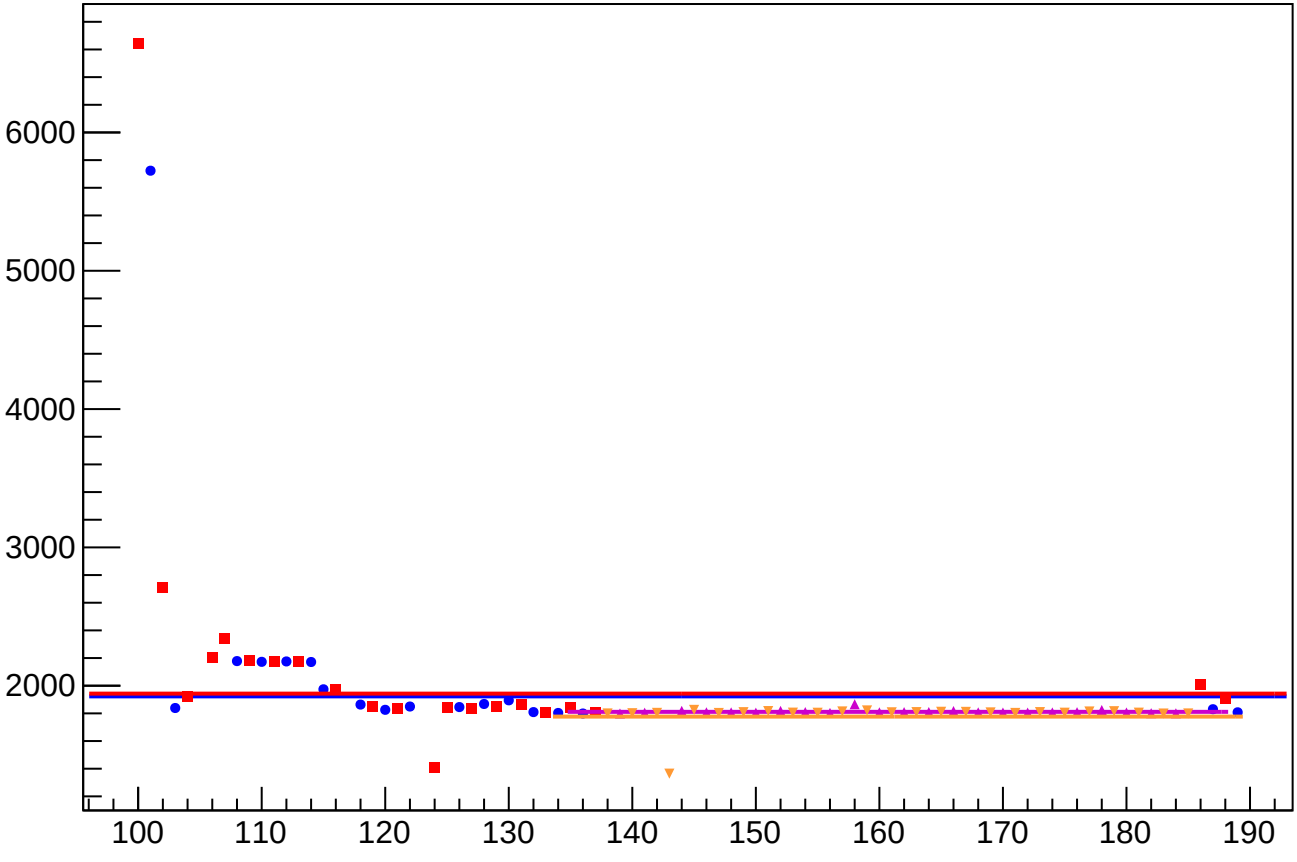
Right: -375.631+/-480.291 χ^2/NDF: 35.4/38

In: -361.773+/-361.362 χ^2/NDF:48.1/40

Out: -619.783+/-345.366 χ^2/NDF:39.4/45

All: -496.615+/-249.674 χ^2/NDF: 87.8/86

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1922.994+/-0.492 χ^2/NDF: 645723.5/17

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1942.781+/-0.469 χ^2/NDF: 277836.4/20

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

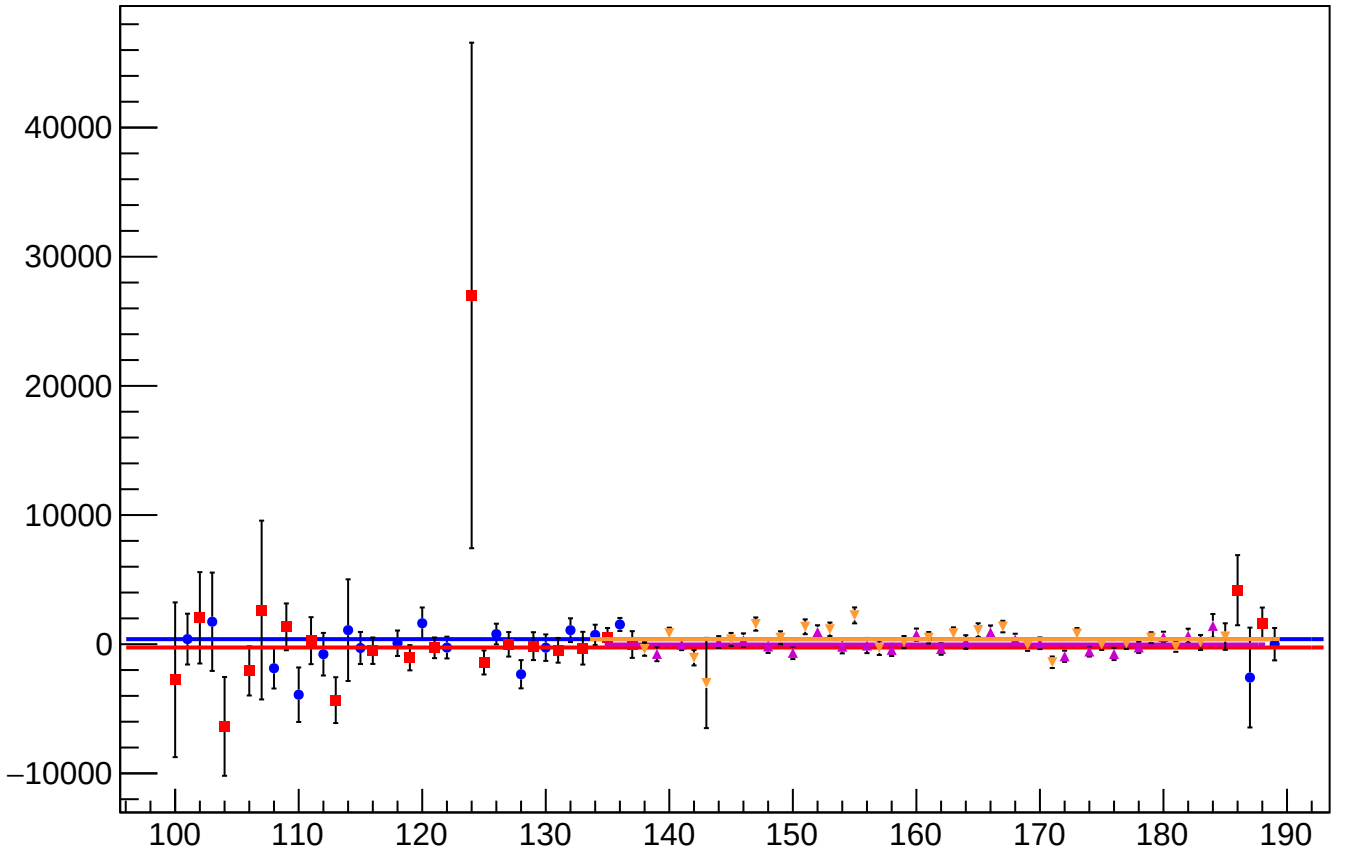
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1933.353+/-0.340 χ^2/NDF: 924406.7/38

In: 1841.267+/-0.256 χ^2/NDF:685470.1/40

Out: 1821.675+/-0.244 χ^2/NDF:530417.6/45

All: 1831.028+/-0.177 χ^2/NDF: 1218960.0/86



Right In: 391.674+/-250.999 χ^2/NDF: 22.2/17

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -253.995+/-271.435 χ^2/NDF: 21.0/20

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

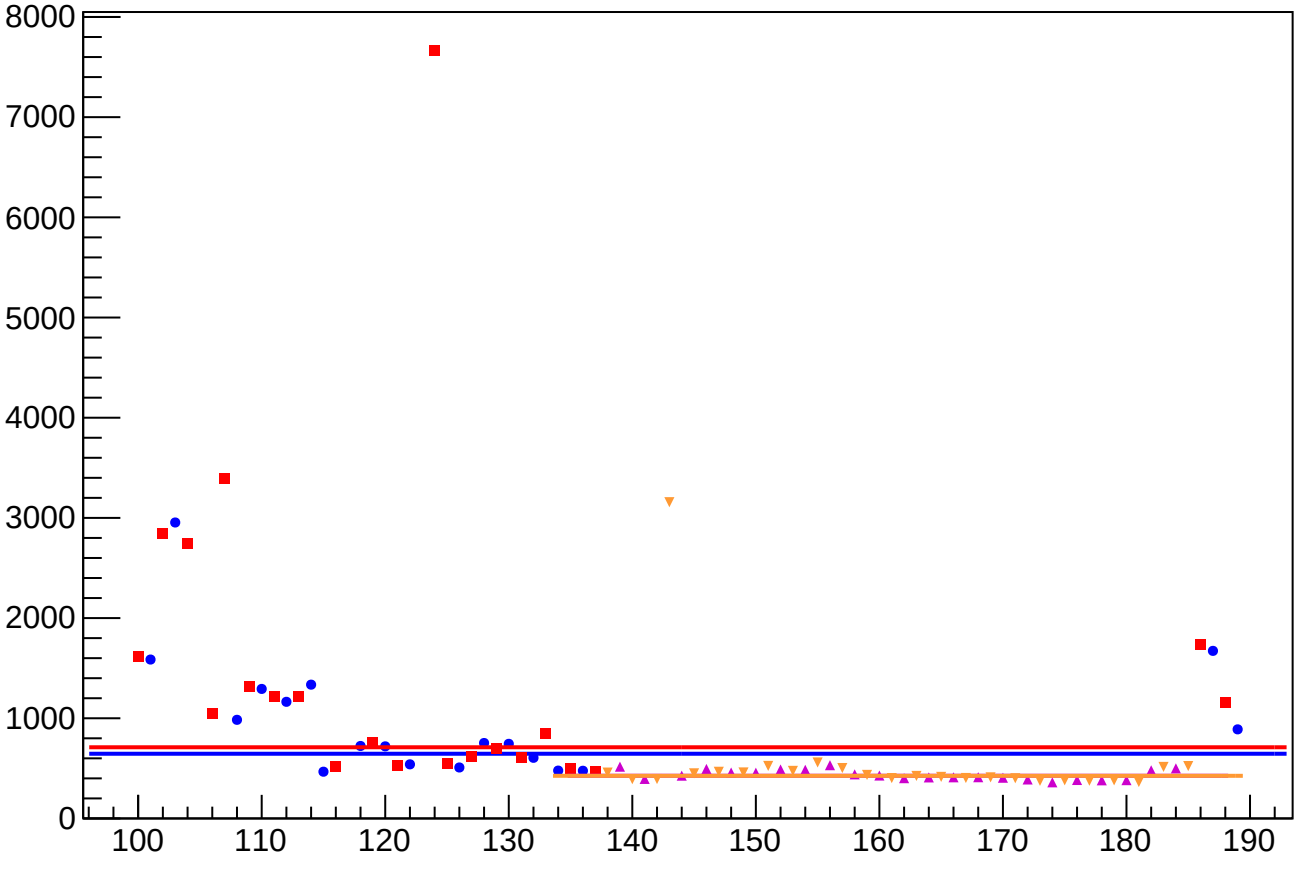
Right: 94.058+/-184.285 χ^2/NDF: 46.2/38

In: 35.398+/-93.110 χ^2/NDF:55.4/40

Out: 321.462+/-93.143 χ^2/NDF:86.6/45

All: 178.379+/-65.851 χ^2/NDF: 146.6/86

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 645.880+/-0.177 χ^2/NDF: 2457666.9/17

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 710.542+/-0.192 χ^2/NDF: 3646909.2/20

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

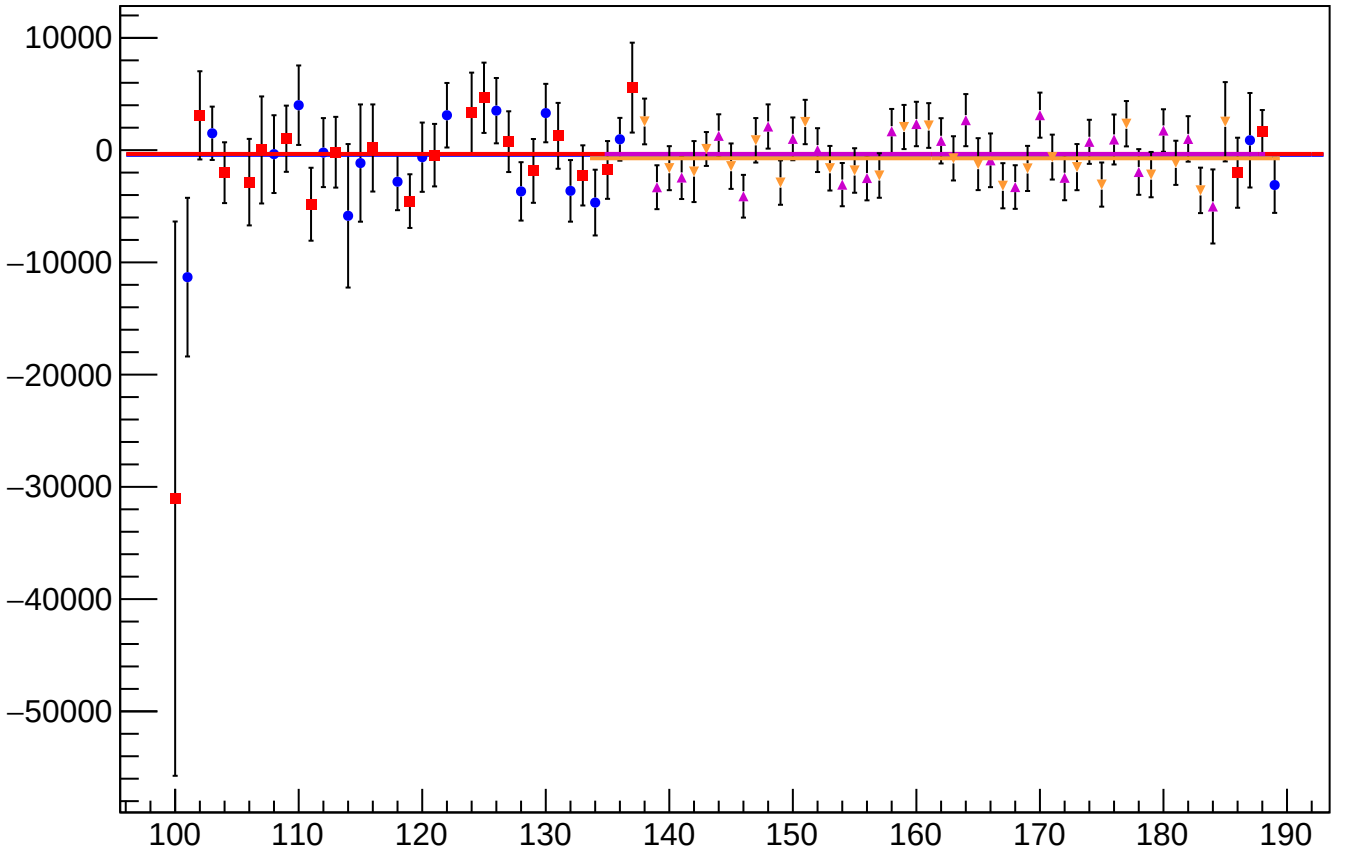
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 675.686+/-0.130 χ^2/NDF: 6165758.9/38

In: 456.382+/-0.066 χ^2/NDF:4194959.0/40

Out: 459.238+/-0.066 χ^2/NDF:7308204.0/45

All: 457.810+/-0.047 χ^2/NDF: 11504103.4/86



Right In: -417.416+/-695.814 χ^2/NDF: 18.5/17

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -337.603+/-663.785 χ^2/NDF: 17.0/20

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

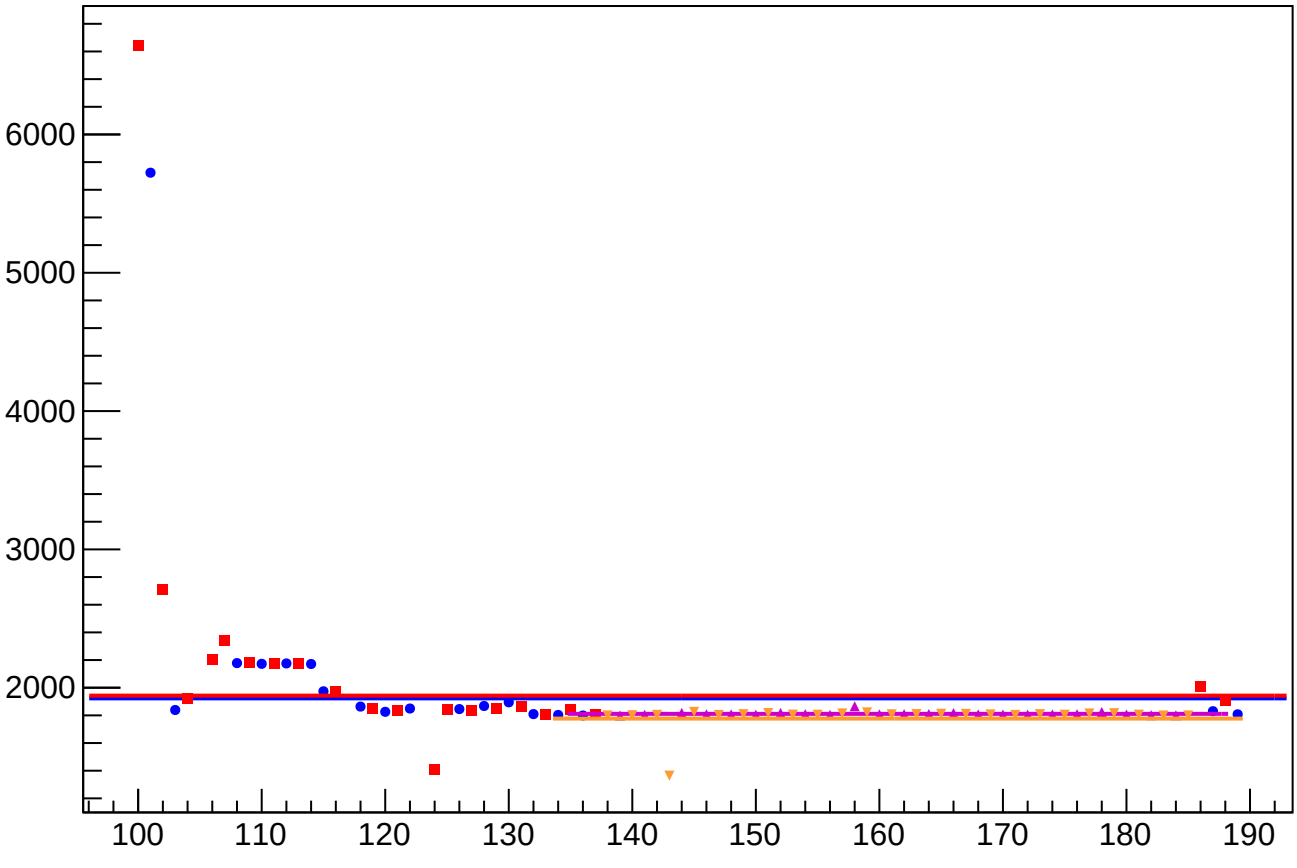
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -375.631+/-480.291 χ^2/NDF: 35.4/38

In: -361.773+/-361.362 χ^2/NDF:48.1/40

Out: -619.784+/-345.366 χ^2/NDF:39.4/45

All: -496.615+/-249.674 χ^2/NDF: 87.8/86



Right In: 1922.994+/-0.492 χ^2/NDF: 645723.6/17

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1942.781+/-0.469 χ^2/NDF: 277836.2/20

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

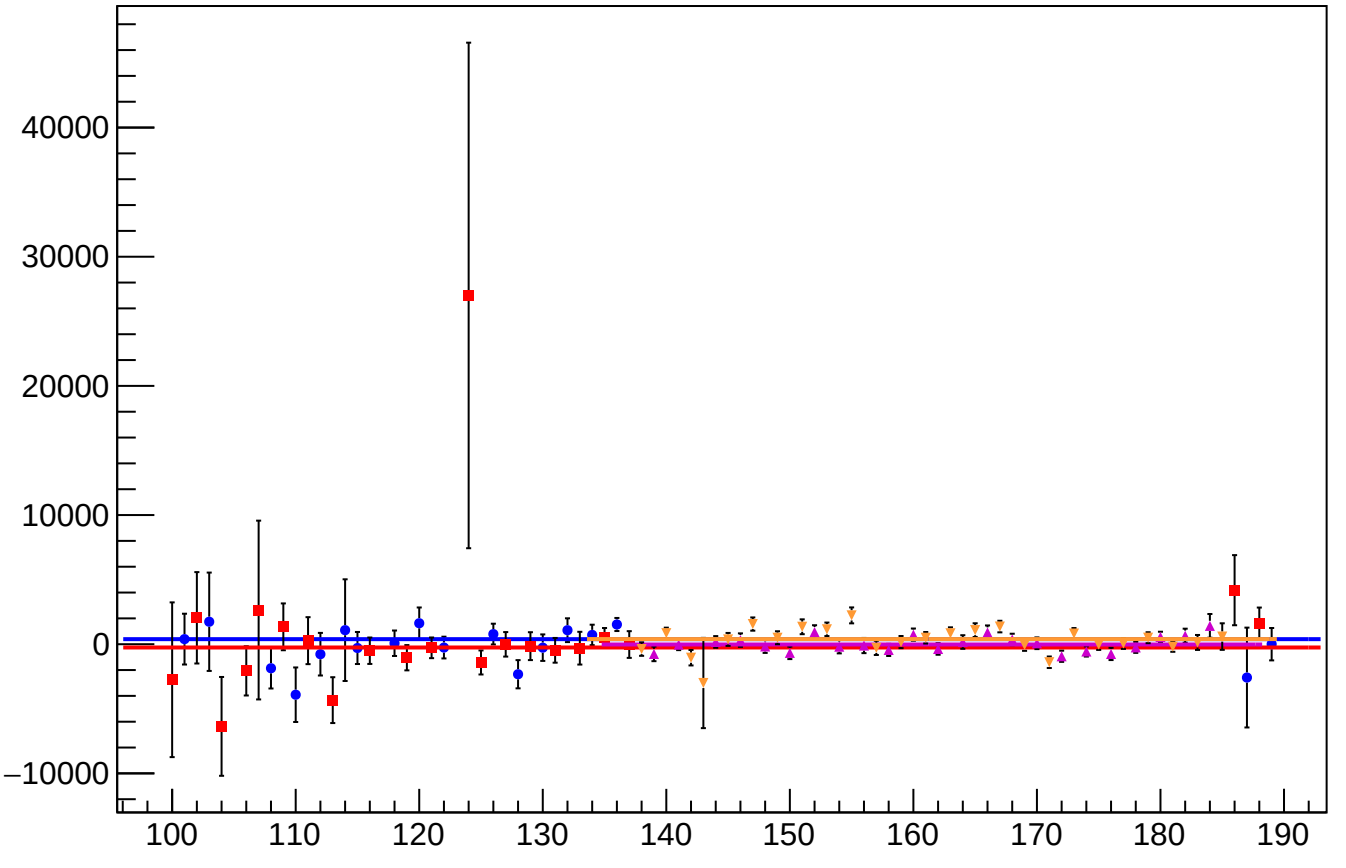
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1933.353+/-0.340 χ^2/NDF: 924406.6/38

In: 1841.267+/-0.256 χ^2/NDF:685470.1/40

Out: 1821.675+/-0.244 χ^2/NDF:530417.4/45

All: 1831.028+/-0.177 χ^2/NDF: 1218959.8/86



Right In: 391.673+/-250.999 χ^2/NDF: 22.2/17

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -253.995+/-271.435 χ^2/NDF: 21.0/20

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

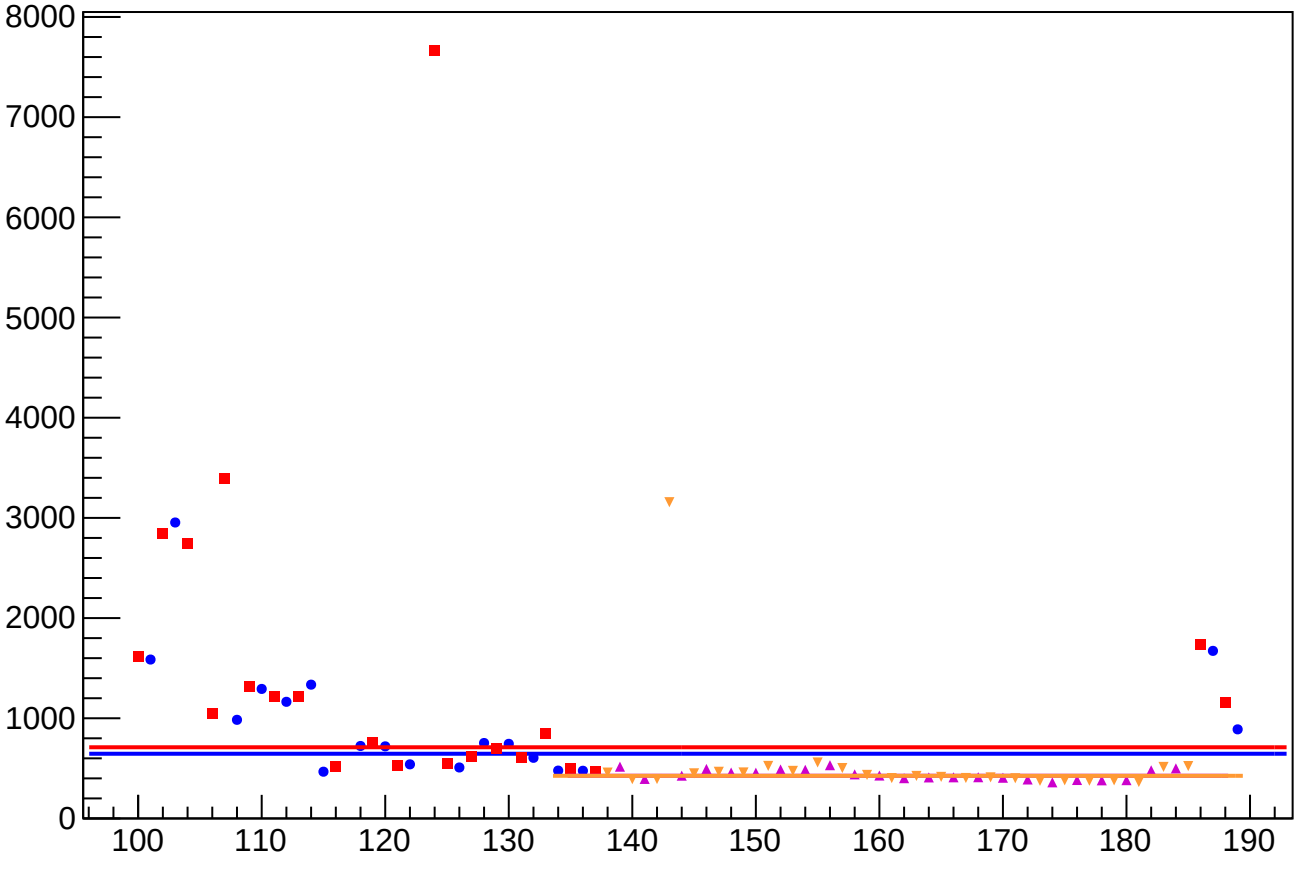
Right: 94.057+/-184.285 χ^2/NDF: 46.2/38

In: 35.398+/-93.110 χ^2/NDF:55.4/40

Out: 321.462+/-93.143 χ^2/NDF:86.6/45

All: 178.379+/-65.851 χ^2/NDF: 146.6/86

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 645.880+/-0.177 χ^2/NDF: 2457666.2/17

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 710.542+/-0.192 χ^2/NDF: 3646911.3/20

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

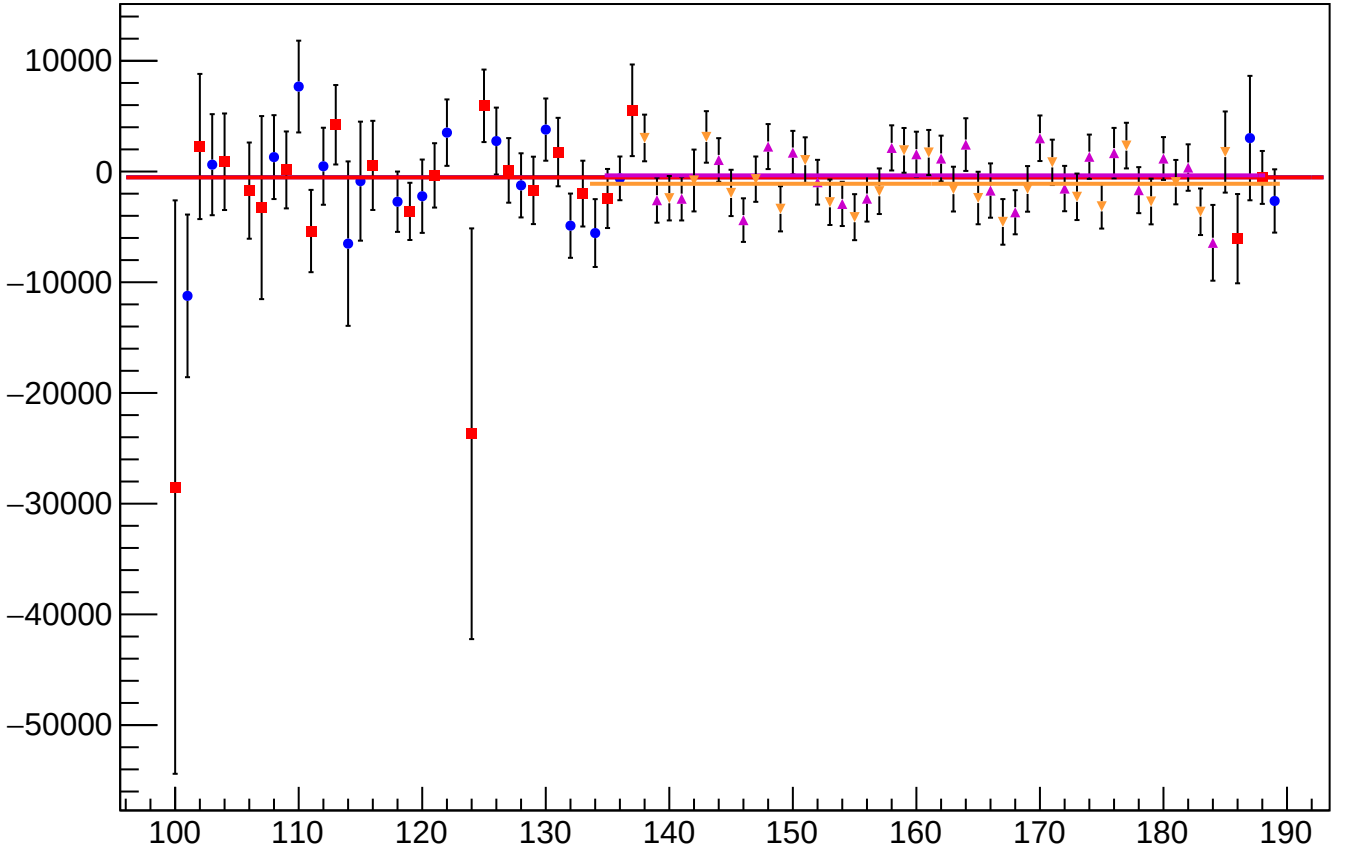
Right: 675.685+/-0.130 χ^2/NDF: 6165760.2/38

In: 456.382+/-0.066 χ^2/NDF:4194962.2/40

Out: 459.238+/-0.066 χ^2/NDF:7308210.4/45

All: 457.809+/-0.047 χ^2/NDF: 11504113.0/86

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -517.341+/-776.569 χ^2/NDF: 19.3/17

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -530.240+/-770.923 χ^2/NDF: 17.6/20

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

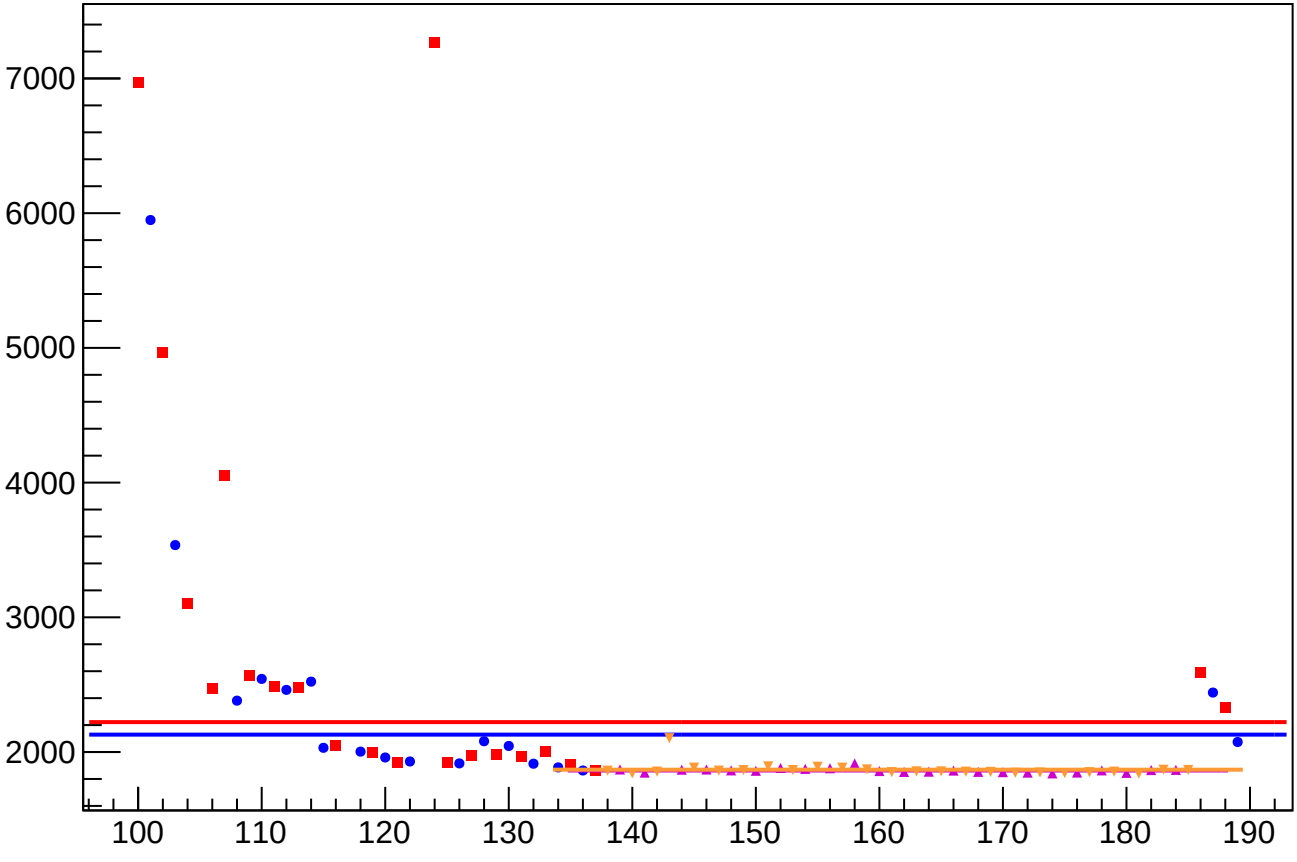
Right: -523.838+/-547.110 χ^2/NDF: 36.9/38

In: -387.627+/-379.480 χ^2/NDF:48.1/40

Out: -971.812+/-371.953 χ^2/NDF:46.0/45

All: -685.571+/-265.631 χ^2/NDF: 95.4/86

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2129.162+/-0.549 χ^2/NDF: 882000.5/17

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2222.058+/-0.545 χ^2/NDF: 965579.6/20

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

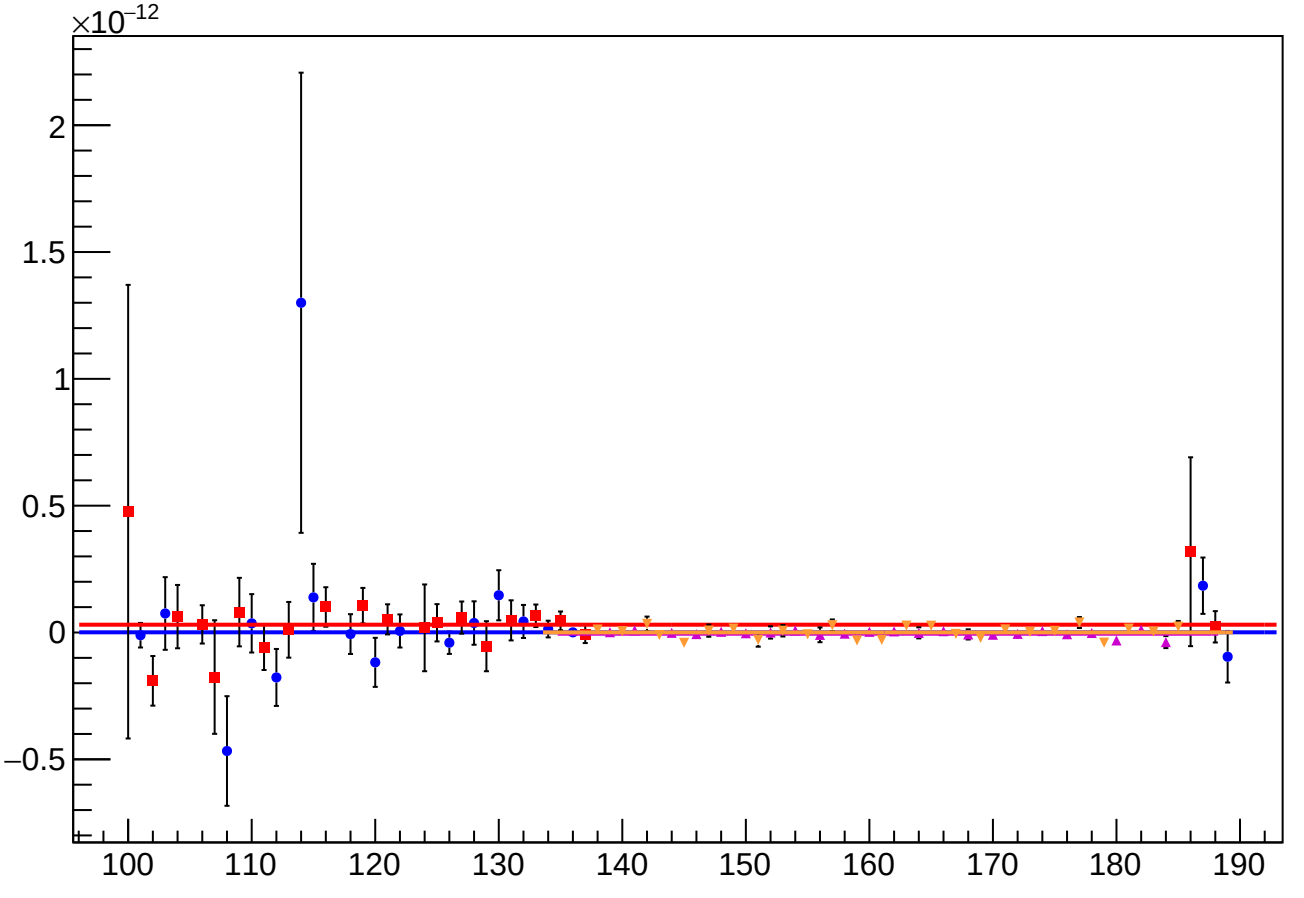
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2175.949+/-0.387 χ^2/NDF: 1861994.6/38

In: 1926.426+/-0.268 χ^2/NDF:1063786.4/40

Out: 1951.141+/-0.263 χ^2/NDF:1310827.3/45

All: 1939.031+/-0.188 χ^2/NDF: 2378940.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/20

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

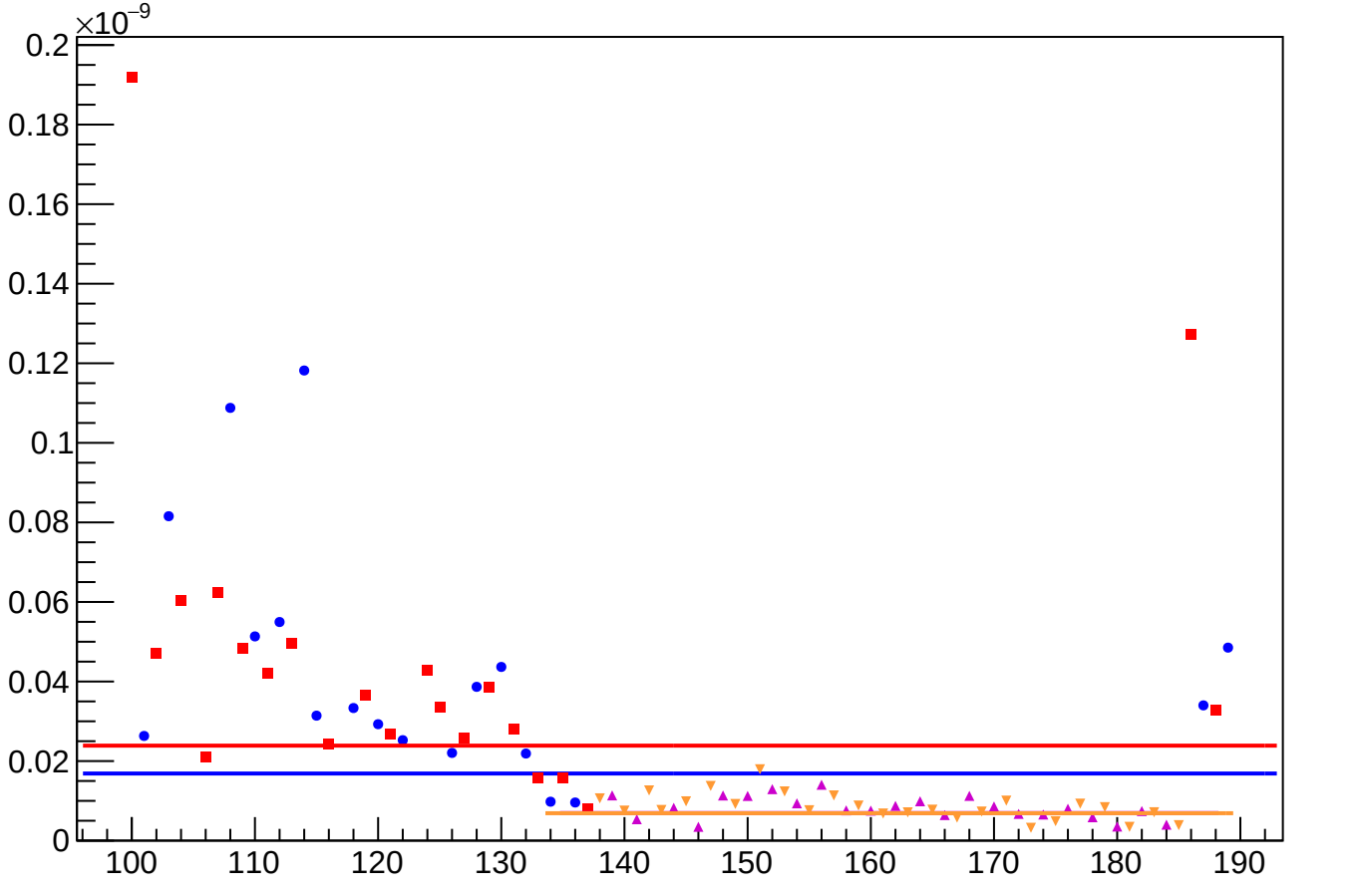
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

Right: 0.000+/-0.000 χ^2/NDF: 35.2/38

In: -0.000+/-0.000 χ^2/NDF:37.3/40

Out: 0.000+/-0.000 χ^2/NDF:58.9/45

All: -0.000+/-0.000 χ^2/NDF: 98.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 2533650.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1611536.1/20

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

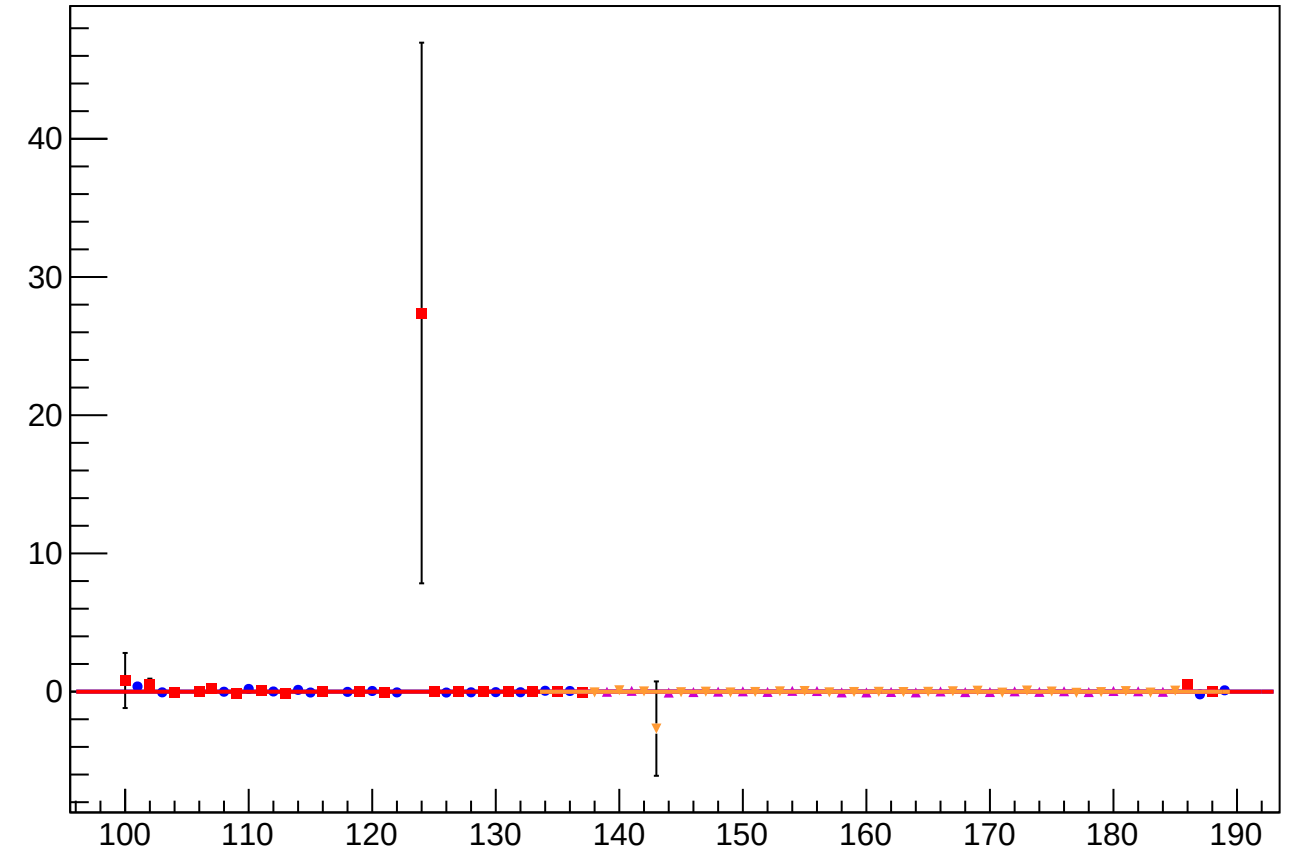
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 4411665.6/38

In: 0.000+/-0.000 χ^2/NDF:5360531.6/40

Out: 0.000+/-0.000 χ^2/NDF:5854995.1/45

All: 0.000+/-0.000 χ^2/NDF: 11215931.6/86



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

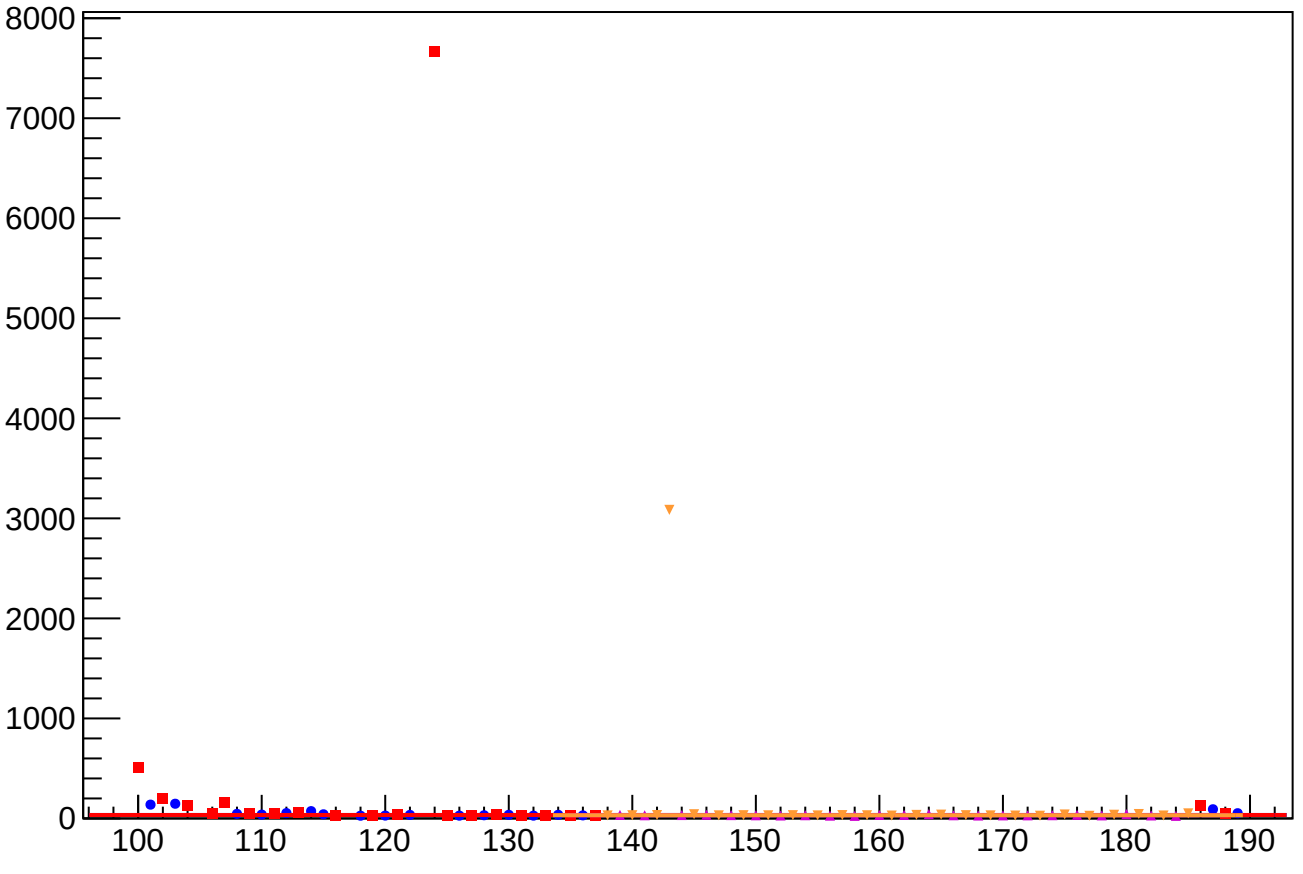
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: -0.002+/-0.010 χ^2/NDF: 44.0/38

In: -0.002+/-0.007 χ^2/NDF:44.1/40

Out: -0.009+/-0.007 χ^2/NDF:60.2/45

All: -0.005+/-0.005 χ^2/NDF: 104.8/86



Right In: 34.871+/-0.010 χ^2/NDF: 1952048.5/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685392.4/20

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

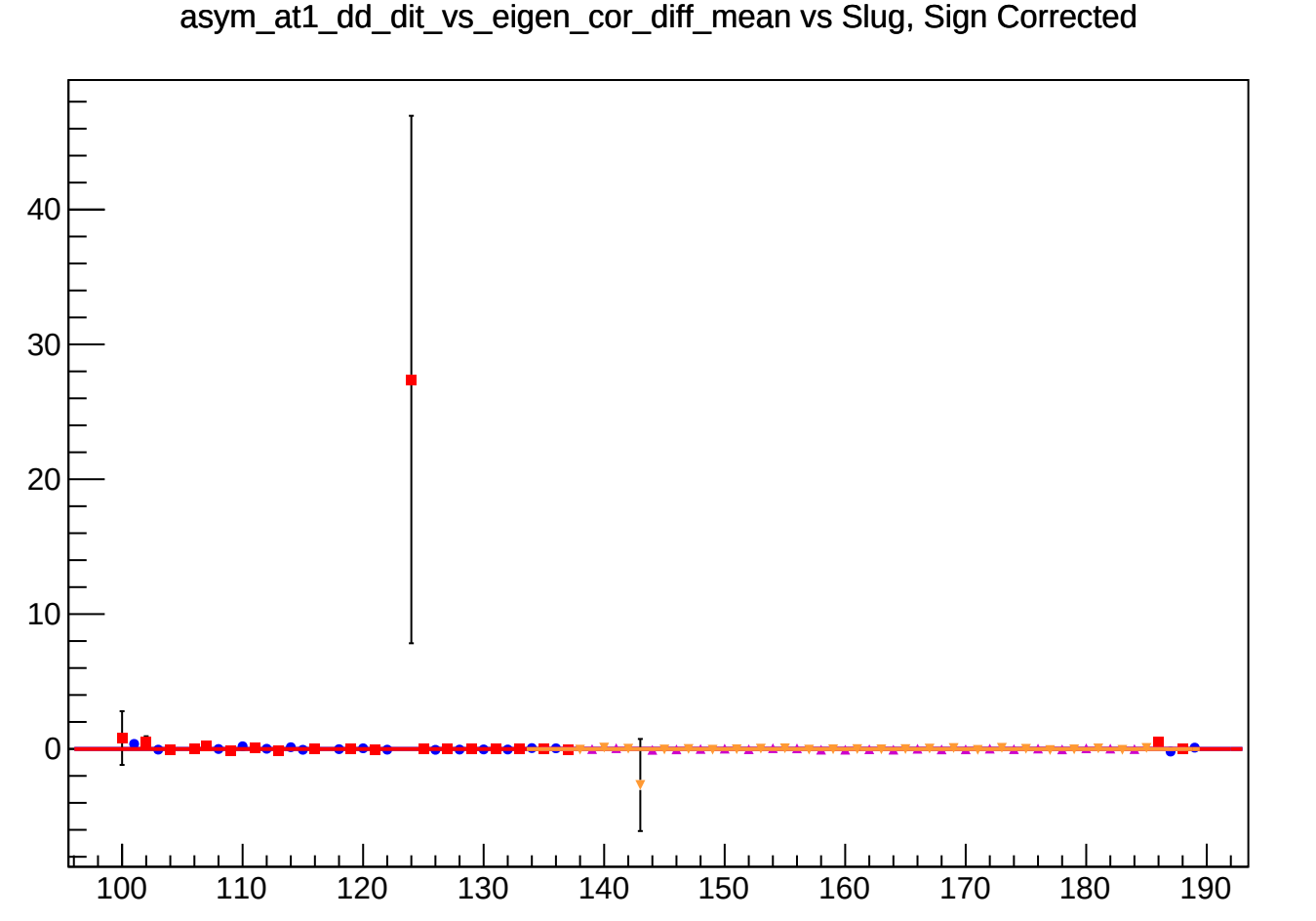
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 34.762+/-0.007 χ^2/NDF: 4637663.3/38

In: 33.025+/-0.005 χ^2/NDF:2421162.8/40

Out: 32.867+/-0.005 χ^2/NDF:4847711.1/45

All: 32.945+/-0.004 χ^2/NDF: 7269358.5/86



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

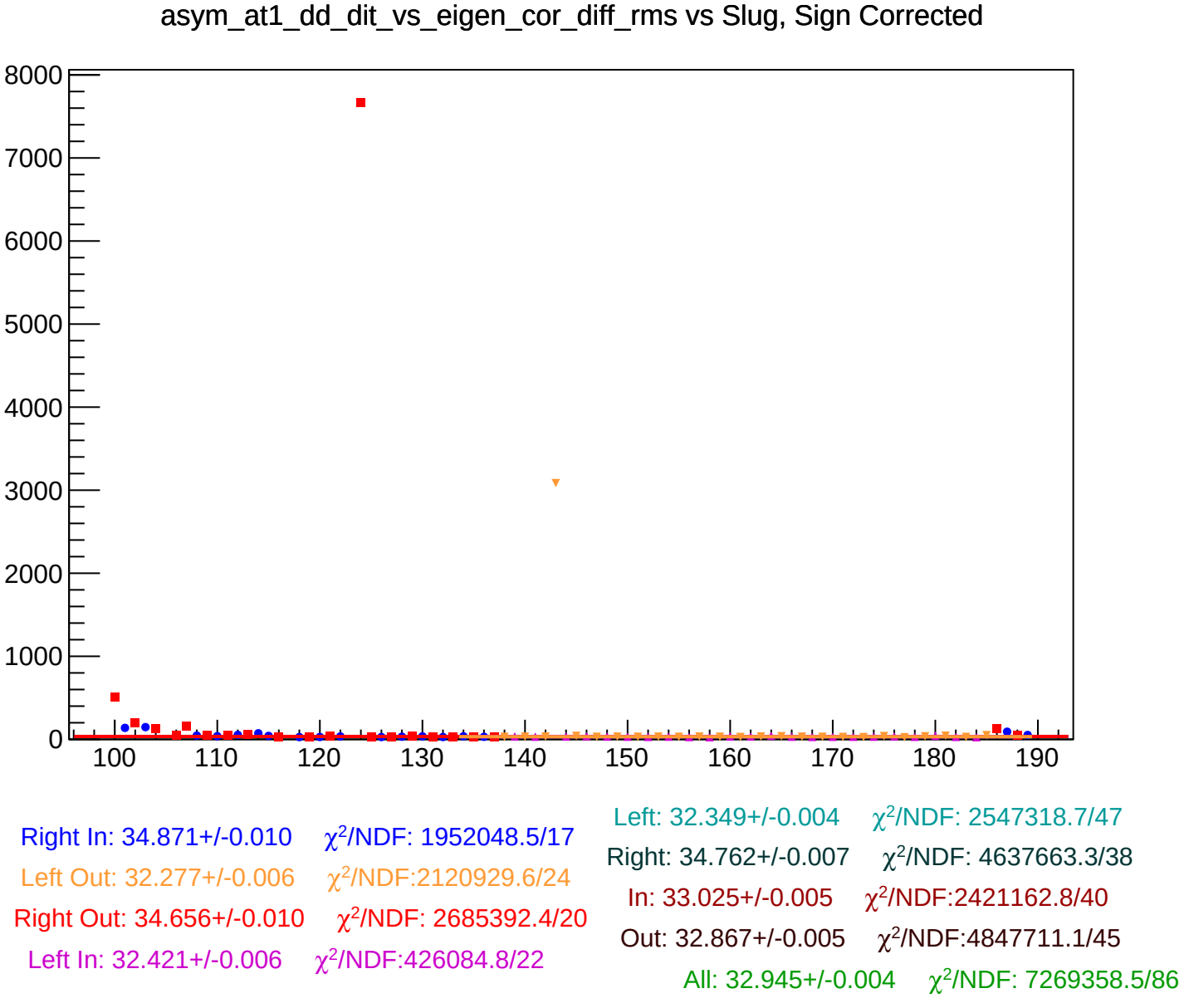
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: -0.002+/-0.010 χ^2/NDF: 44.0/38

In: -0.002+/-0.007 χ^2/NDF:44.1/40

Out: -0.009+/-0.007 χ^2/NDF:60.2/45

All: -0.005+/-0.005 χ^2/NDF: 104.8/86


asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
8000
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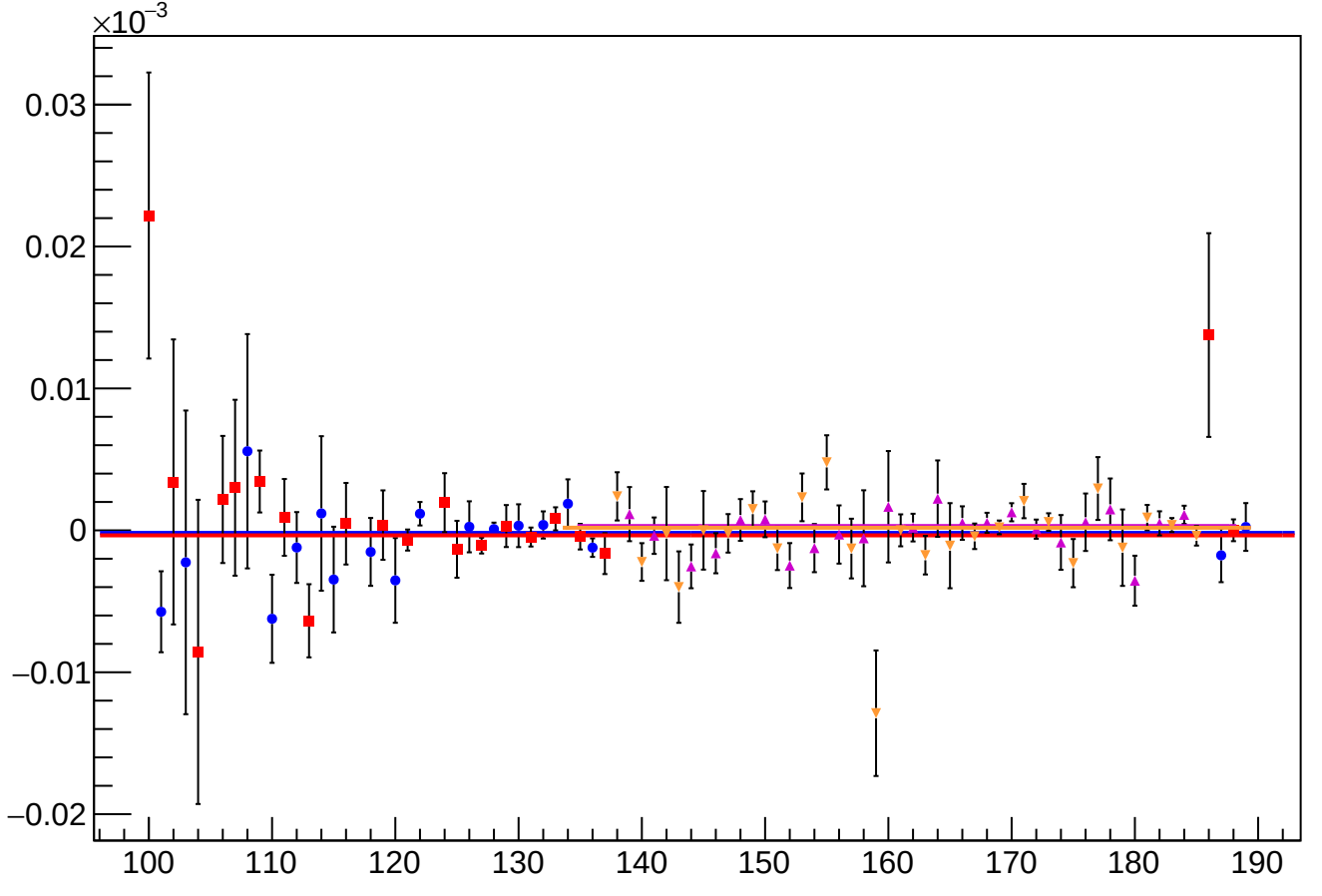
Right In: 34.871+/-0.010 χ²/NDF: 1952048.5/17
Left Out: 32.277+/-0.006 χ²/NDF:2120929.6/24
Right Out: 34.656+/-0.010 χ²/NDF: 2685392.4/20
Left In: 32.421+/-0.006 χ²/NDF:426084.8/22
Left: 32.349+/-0.004 χ²/NDF: 2547318.7/47
Right: 34.762+/-0.007 χ²/NDF: 4637663.3/38
In: 33.025+/-0.005 χ²/NDF:2421162.8/40
Out: 32.867+/-0.005 χ²/NDF:4847711.1/45
All: 32.945+/-0.004 χ²/NDF: 7269358.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

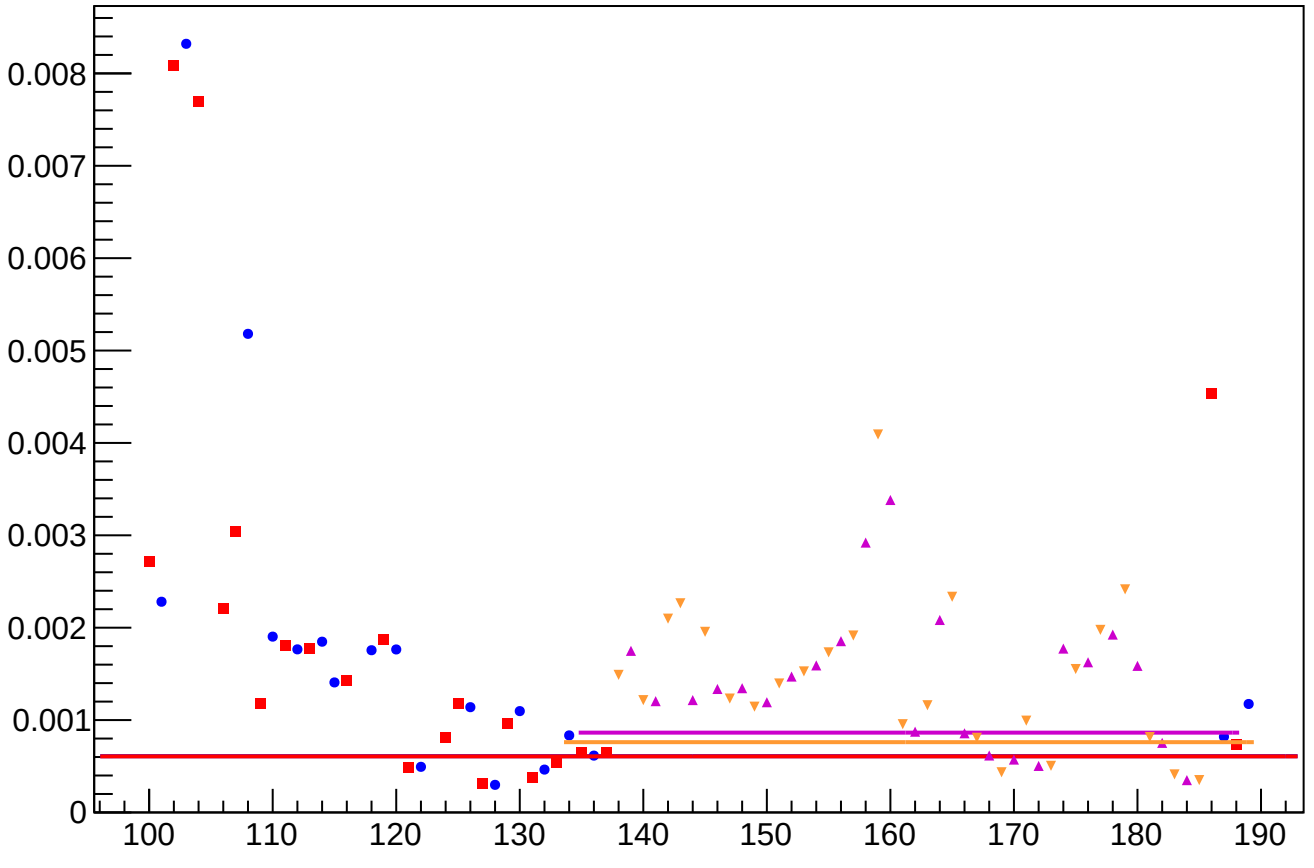
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.9/38

In: 0.000+/-0.000 χ^2/NDF:40.9/40

Out: -0.000+/-0.000 χ^2/NDF:65.7/45

All: 0.000+/-0.000 χ^2/NDF: 106.8/86



Right In: 0.001+/-0.000 χ^2/NDF: 5747783.1/17

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6099736.2/20

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

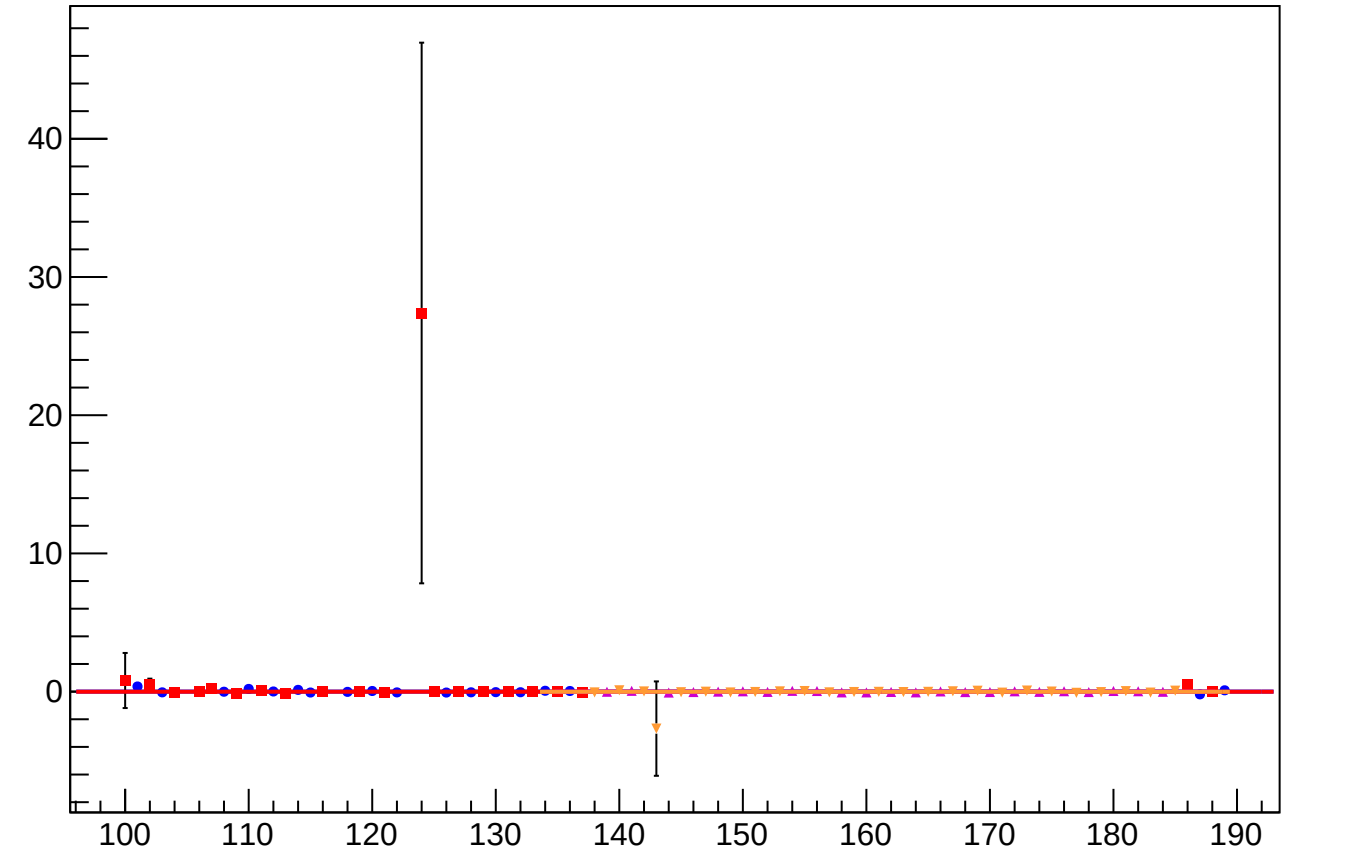
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.001+/-0.000 χ^2/NDF: 11847565.9/38

In: 0.001+/-0.000 χ^2/NDF:15122864.7/40

Out: 0.001+/-0.000 χ^2/NDF:17592107.3/45

All: 0.001+/-0.000 χ^2/NDF: 32823233.6/86



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

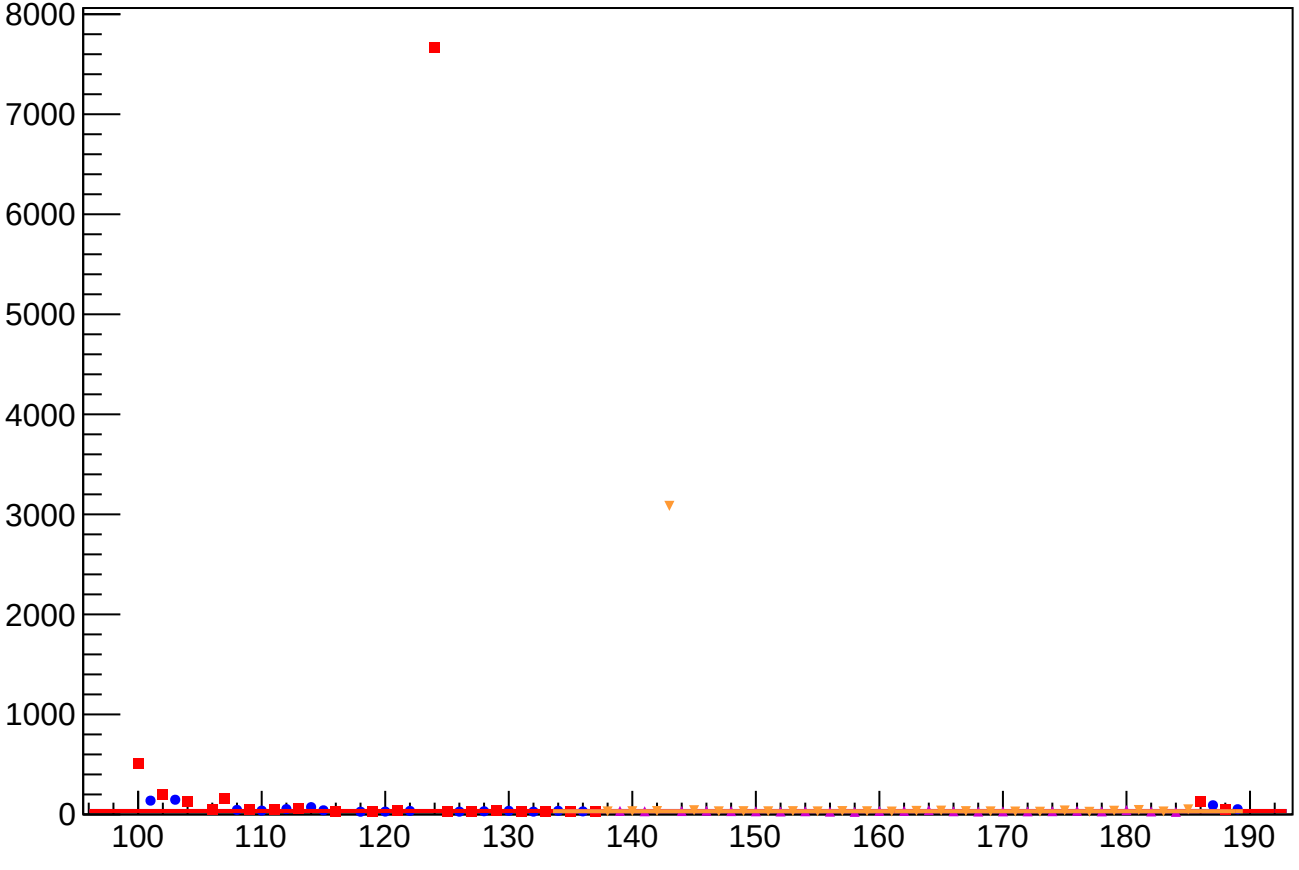
Right: -0.002+/-0.010 χ^2/NDF: 44.0/38

In: -0.002+/-0.007 χ^2/NDF:44.1/40

Out: -0.009+/-0.007 χ^2/NDF:60.2/45

All: -0.005+/-0.005 χ^2/NDF: 104.8/86

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.871+/-0.010 χ^2/NDF: 1952037.1/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685380.7/20

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

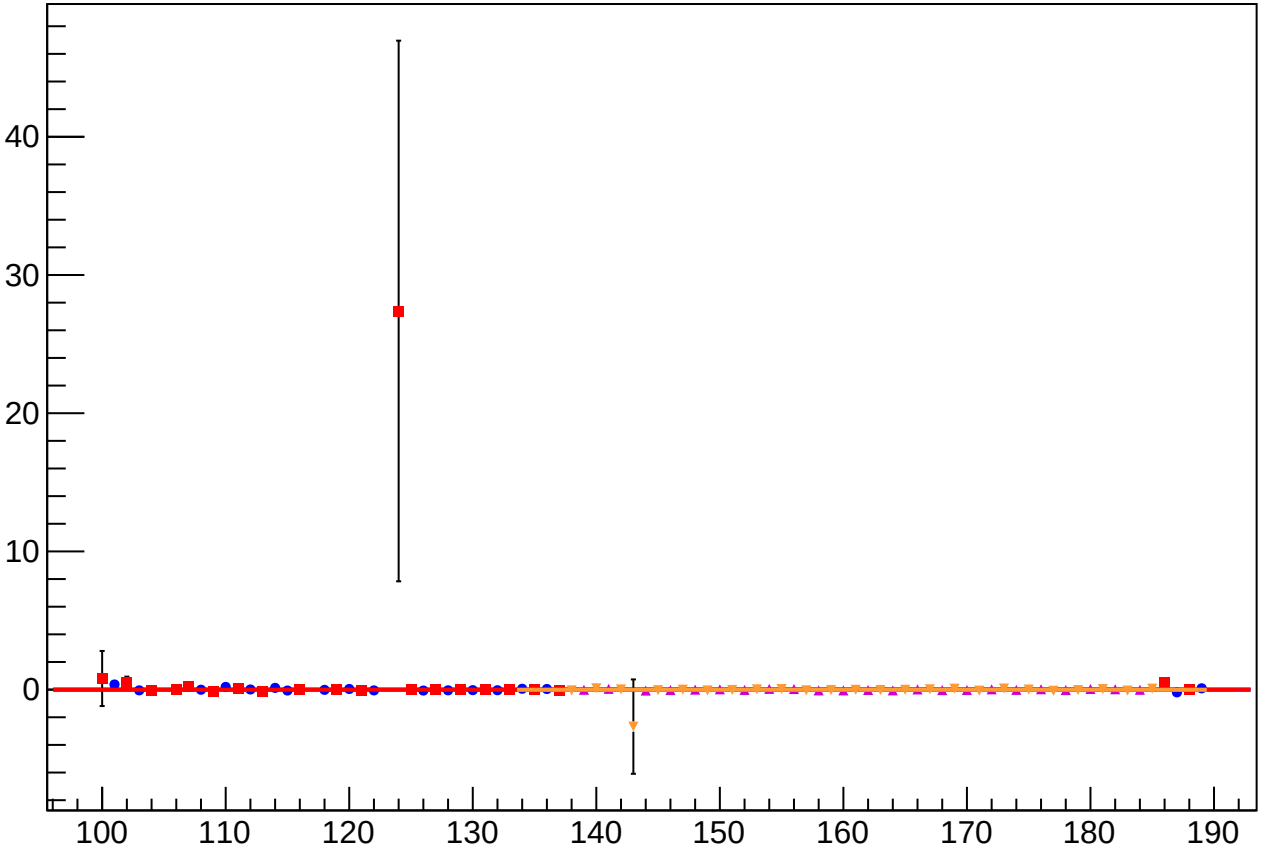
Right: 34.762+/-0.007 χ^2/NDF: 4637640.5/38

In: 33.025+/-0.005 χ^2/NDF:2421060.4/40

Out: 32.867+/-0.005 χ^2/NDF:4847740.8/45

All: 32.945+/-0.004 χ^2/NDF: 7269287.6/86

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.014 χ^2/NDF: 23.1/17

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

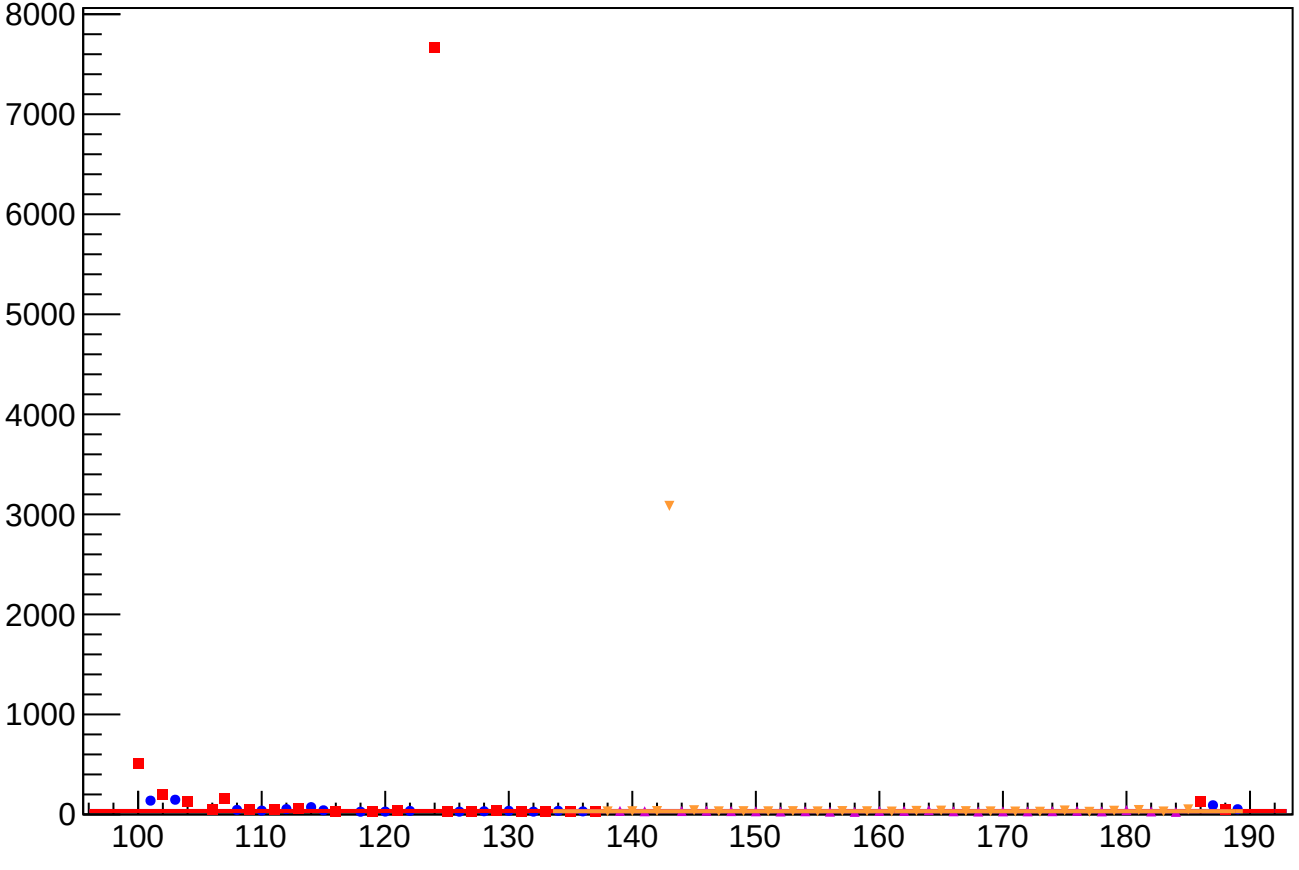
Right: -0.002+/-0.010 χ^2/NDF: 44.0/38

In: -0.002+/-0.007 χ^2/NDF:44.1/40

Out: -0.009+/-0.007 χ^2/NDF:60.2/45

All: -0.005+/-0.005 χ^2/NDF: 104.8/86

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.871+/-0.010 χ^2/NDF: 1952037.1/17

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685380.7/20

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

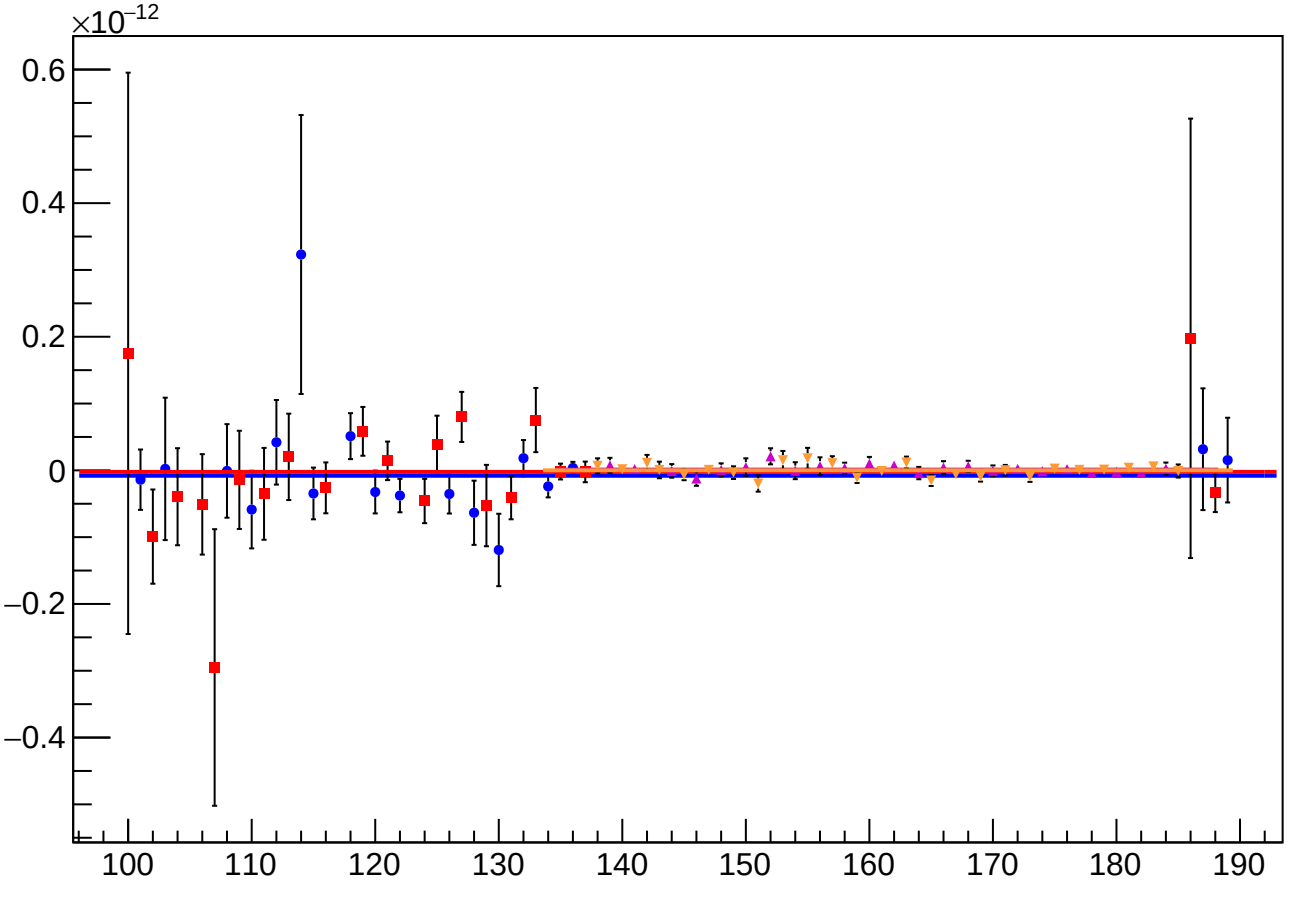
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 34.762+/-0.007 χ^2/NDF: 4637640.5/38

In: 33.025+/-0.005 χ^2/NDF:2421060.4/40

Out: 32.867+/-0.005 χ^2/NDF:4847740.8/45

All: 32.945+/-0.004 χ^2/NDF: 7269287.6/86



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

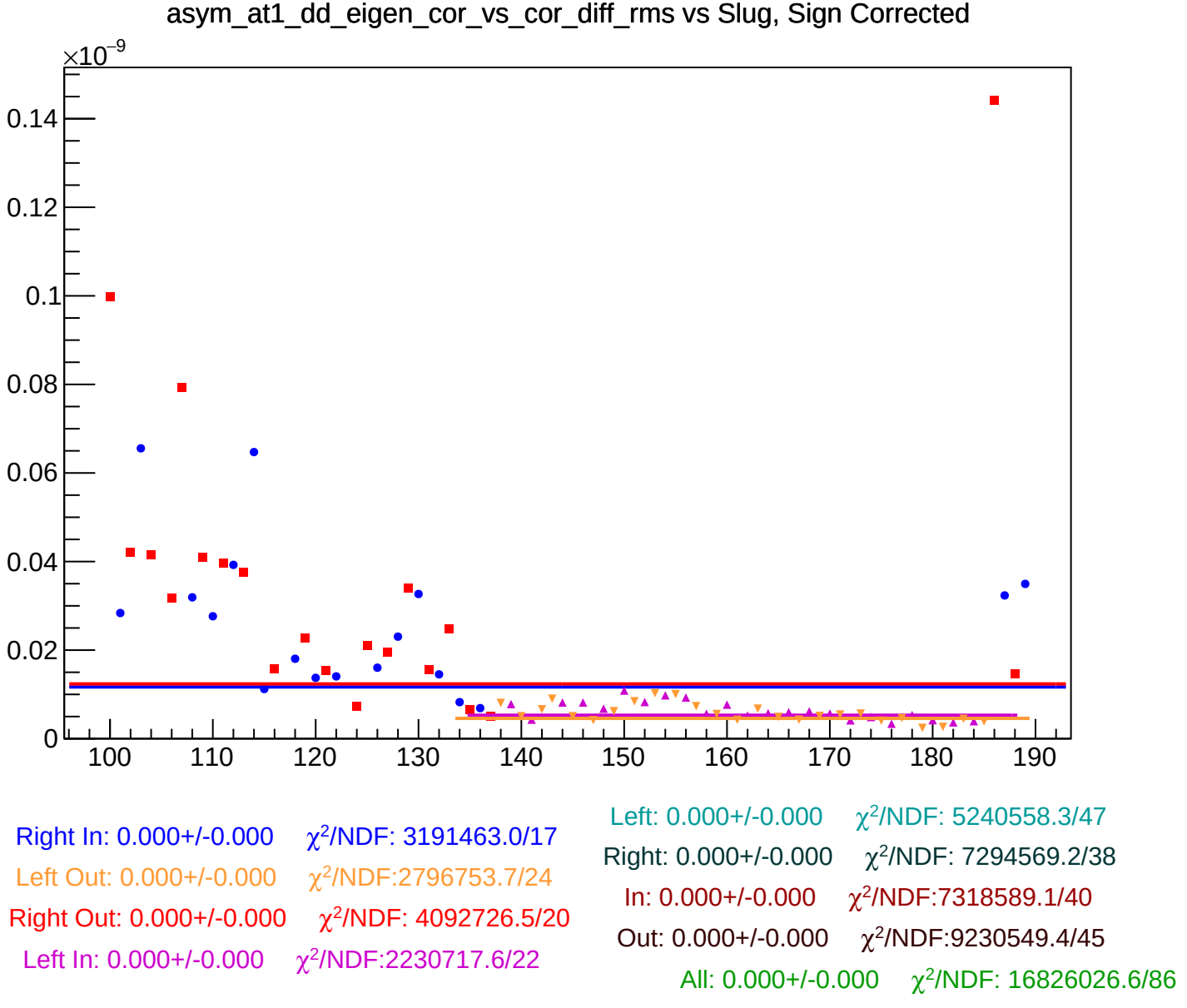
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 42.2/38

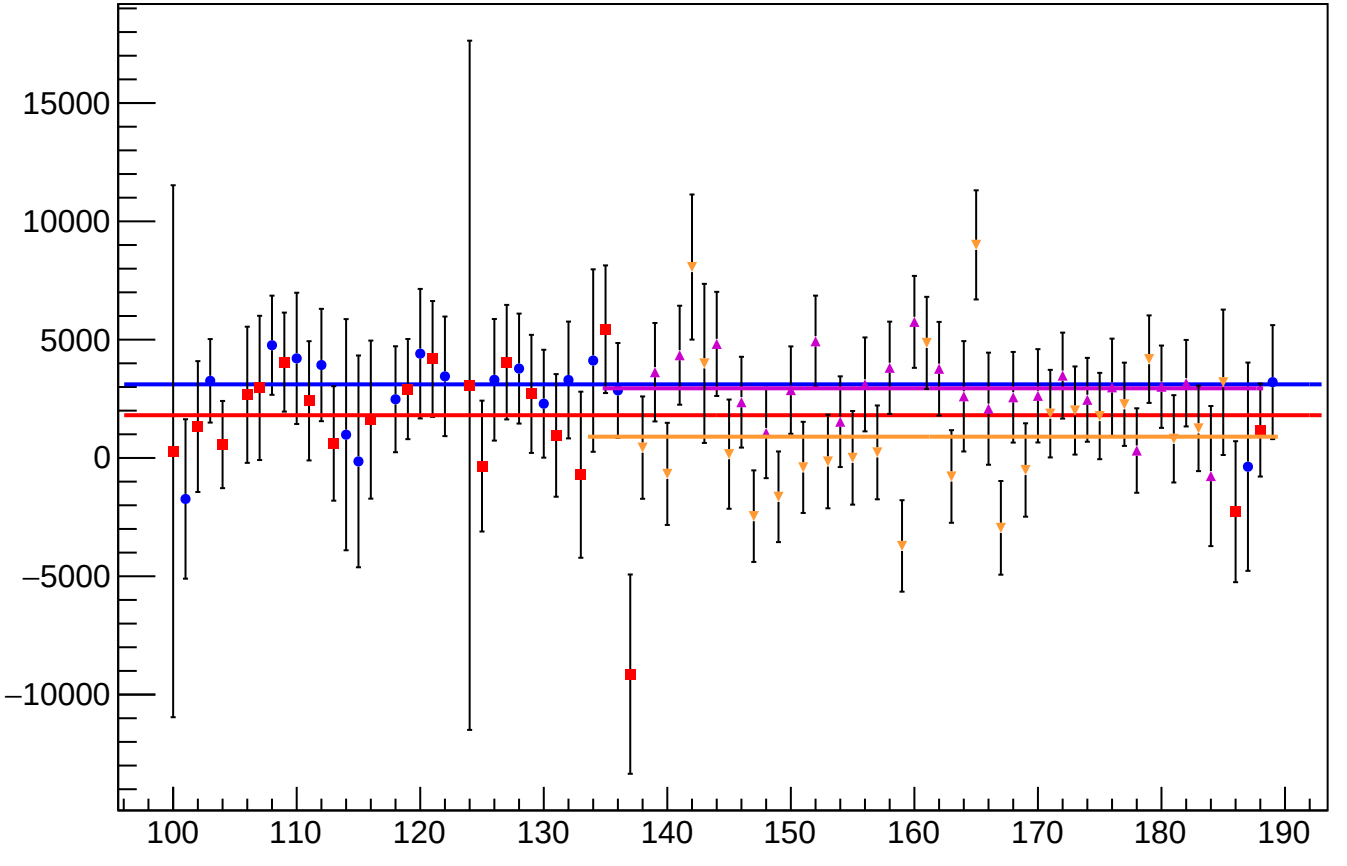
In: 0.000+/-0.000 χ^2/NDF:30.7/40

Out: -0.000+/-0.000 χ^2/NDF:43.4/45

All: 0.000+/-0.000 χ^2/NDF: 74.2/86


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3191463.0/17
Left Out: 0.000+/-0.000 χ²/NDF:2796753.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4092726.5/20
Left In: 0.000+/-0.000 χ²/NDF:2230717.6/22
Left: 0.000+/-0.000 χ²/NDF: 5240558.3/47
Right: 0.000+/-0.000 χ²/NDF: 7294569.2/38
In: 0.000+/-0.000 χ²/NDF:7318589.1/40
Out: 0.000+/-0.000 χ²/NDF:9230549.4/45
All: 0.000+/-0.000 χ²/NDF: 16826026.6/86

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3111.146+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1807.014+/-581.167 χ^2/NDF: 16.2/20

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

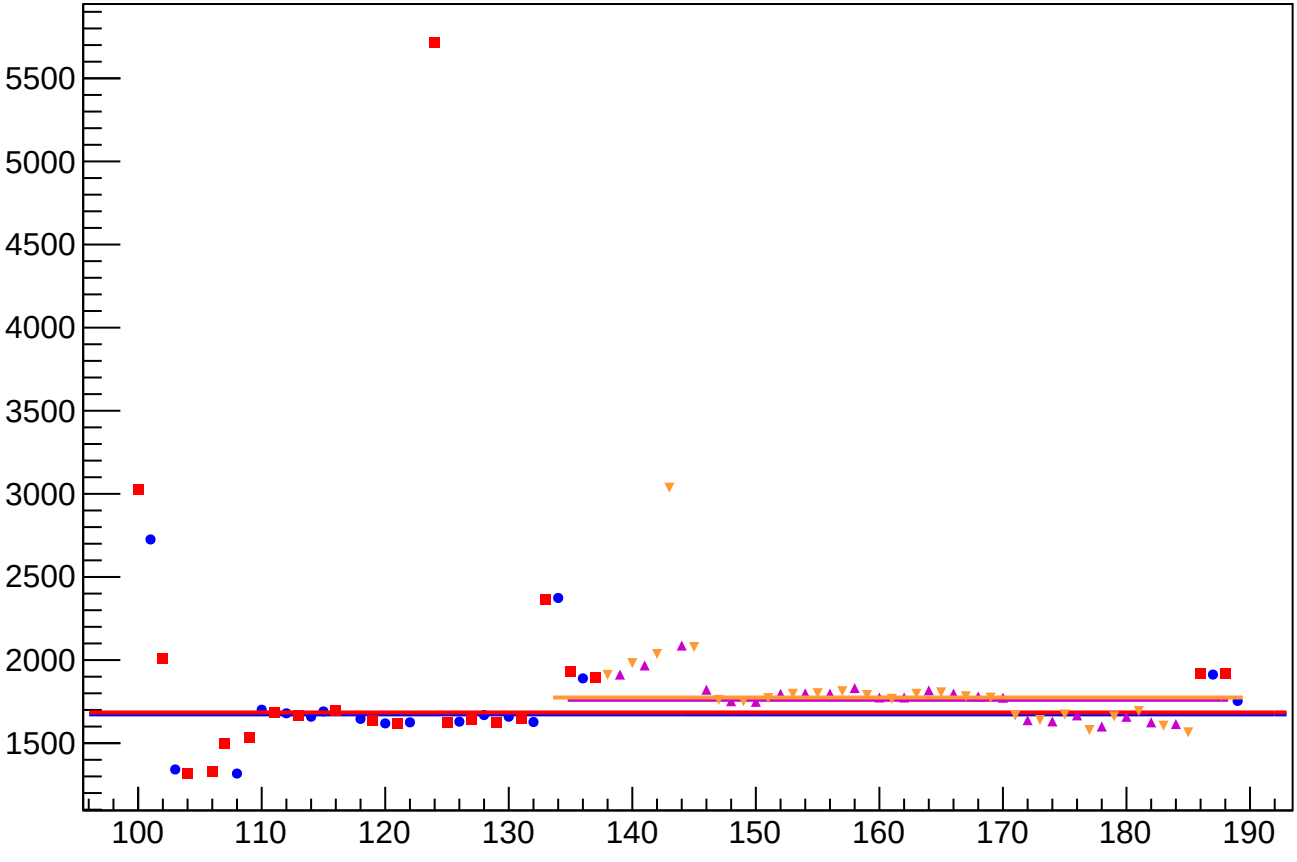
Right: 2436.148+/-418.111 χ^2/NDF: 23.5/38

In: 2996.844+/-340.034 χ^2/NDF:15.6/40

Out: 1196.297+/-332.574 χ^2/NDF:63.1/45

All: 2076.605+/-237.759 χ^2/NDF: 93.0/86

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1673.273+/-0.426 χ^2/NDF: 424351.9/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1684.768+/-0.411 χ^2/NDF: 478089.2/20

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

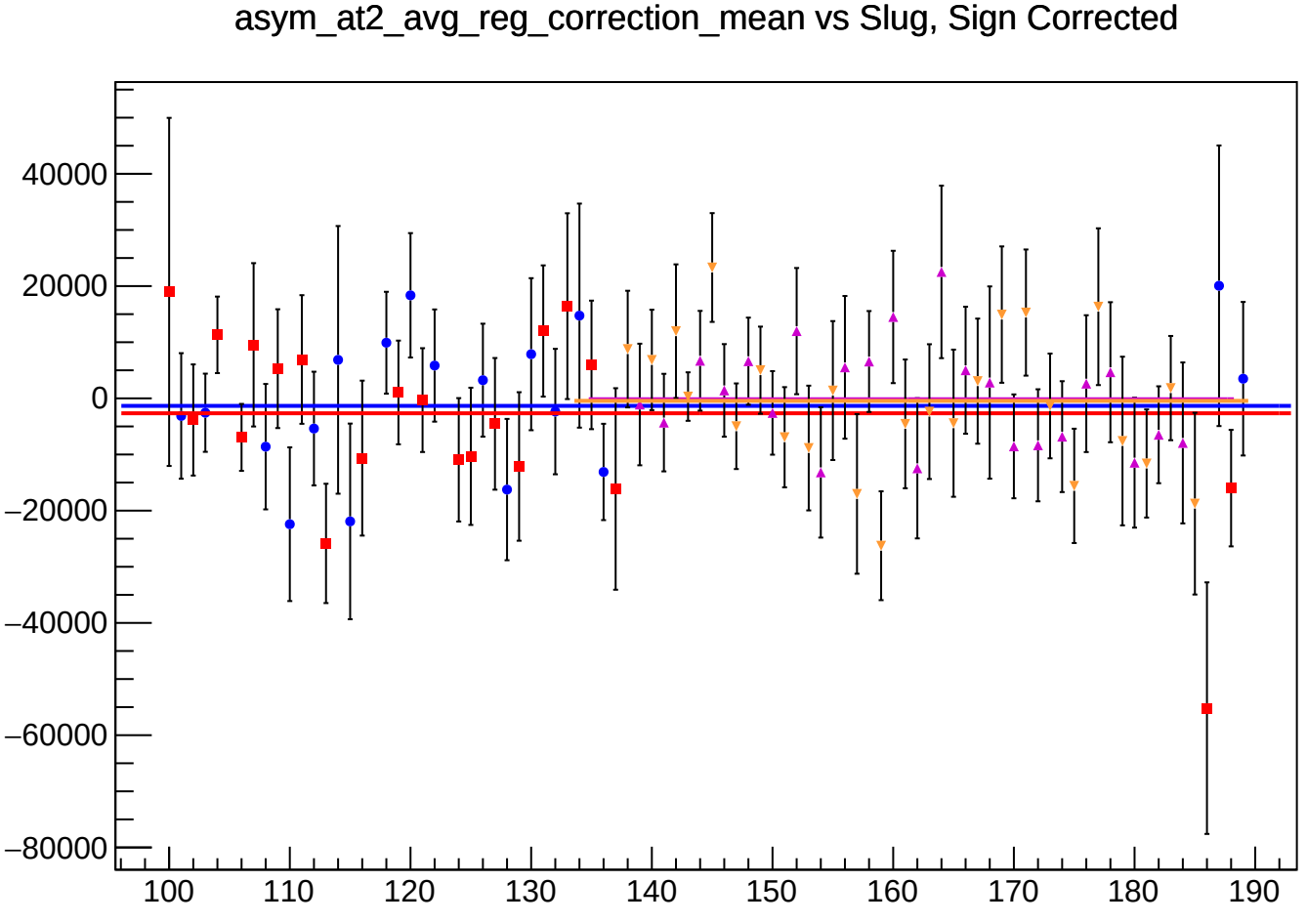
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1679.222+/-0.296 χ^2/NDF: 902818.5/38

In: 1733.069+/-0.240 χ^2/NDF:599599.7/40

Out: 1745.270+/-0.235 χ^2/NDF:957215.6/45

All: 1739.305+/-0.168 χ^2/NDF: 1558131.3/86



Right In: -1338.529+/-2674.585 χ^2/NDF: 15.2/17

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -2655.494+/-2352.968 χ^2/NDF: 25.2/20

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

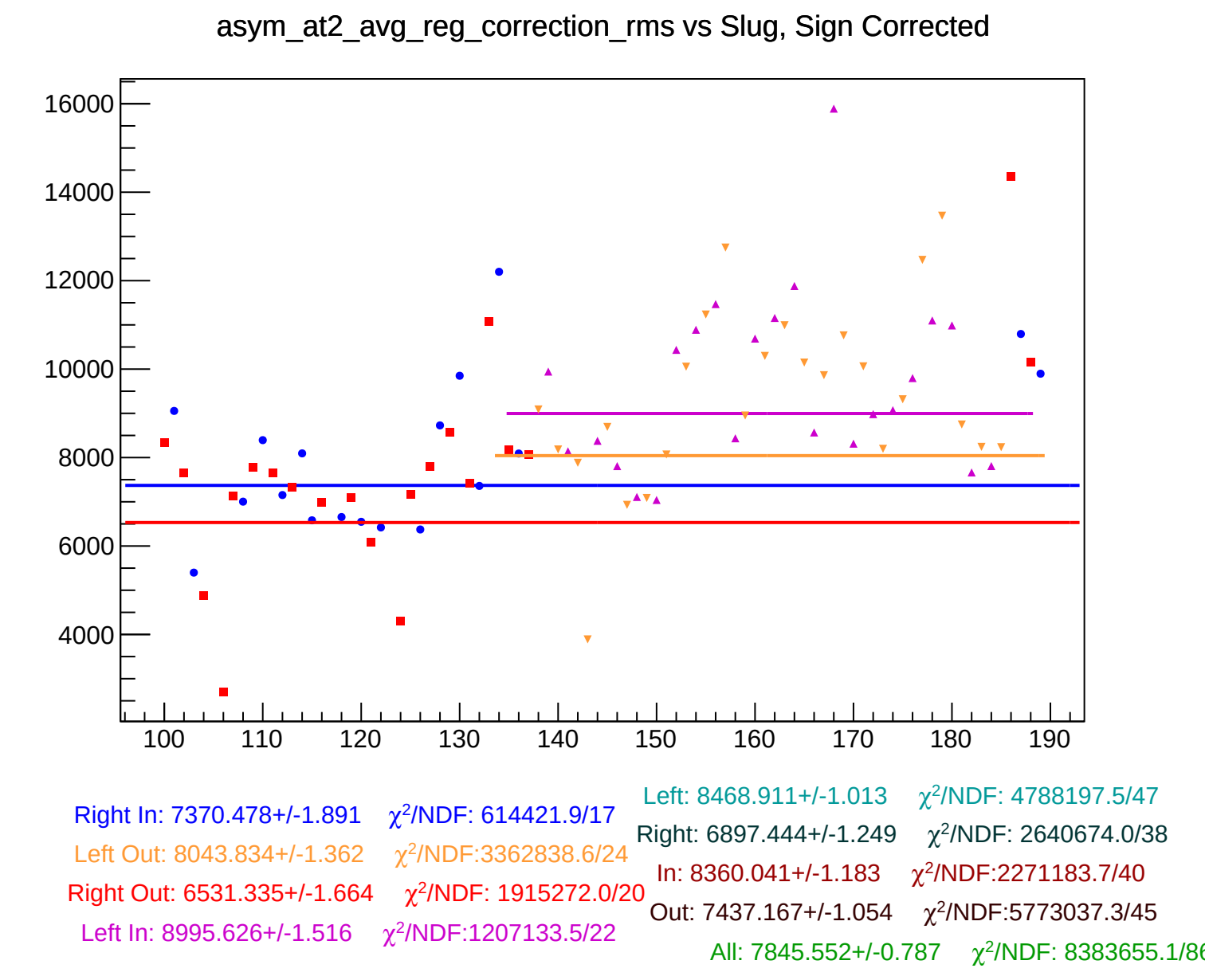
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2080.916+/-1766.623 χ^2/NDF: 40.5/38

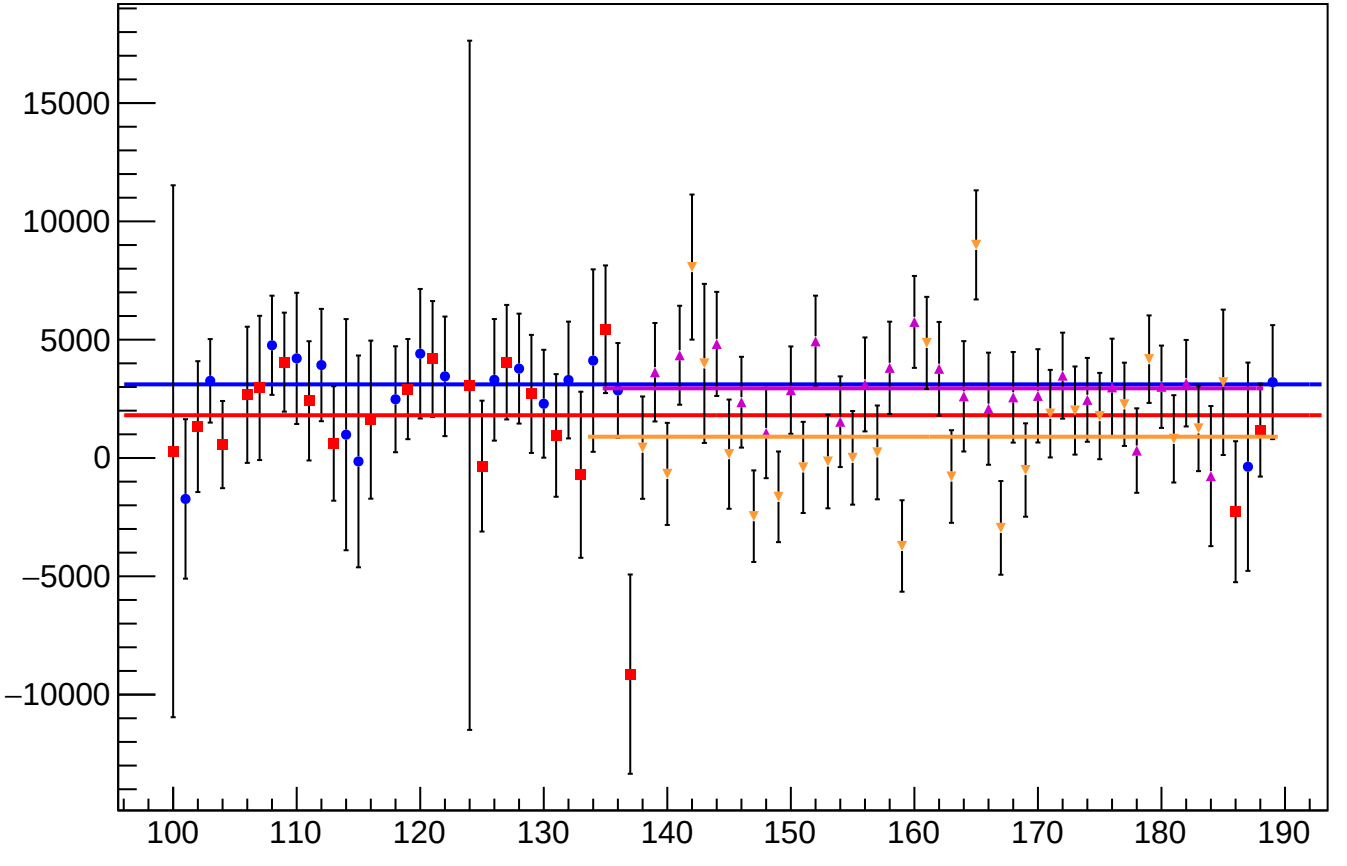
In: -618.034+/-1672.617 χ^2/NDF:29.1/40

Out: -1330.643+/-1490.196 χ^2/NDF:55.2/45

All: -1015.303+/-1112.654 χ^2/NDF: 84.4/86


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7370.478+/-1.891 χ²/NDF: 614421.9/17
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 6531.335+/-1.664 χ²/NDF: 1915272.0/20
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 6897.444+/-1.249 χ²/NDF: 2640674.0/38
In: 8360.041+/-1.183 χ²/NDF:2271183.7/40
Out: 7437.167+/-1.054 χ²/NDF:5773037.3/45
All: 7845.552+/-0.787 χ²/NDF: 8383655.1/86

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3111.275+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1806.828+/-581.167 χ^2/NDF: 16.2/20

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

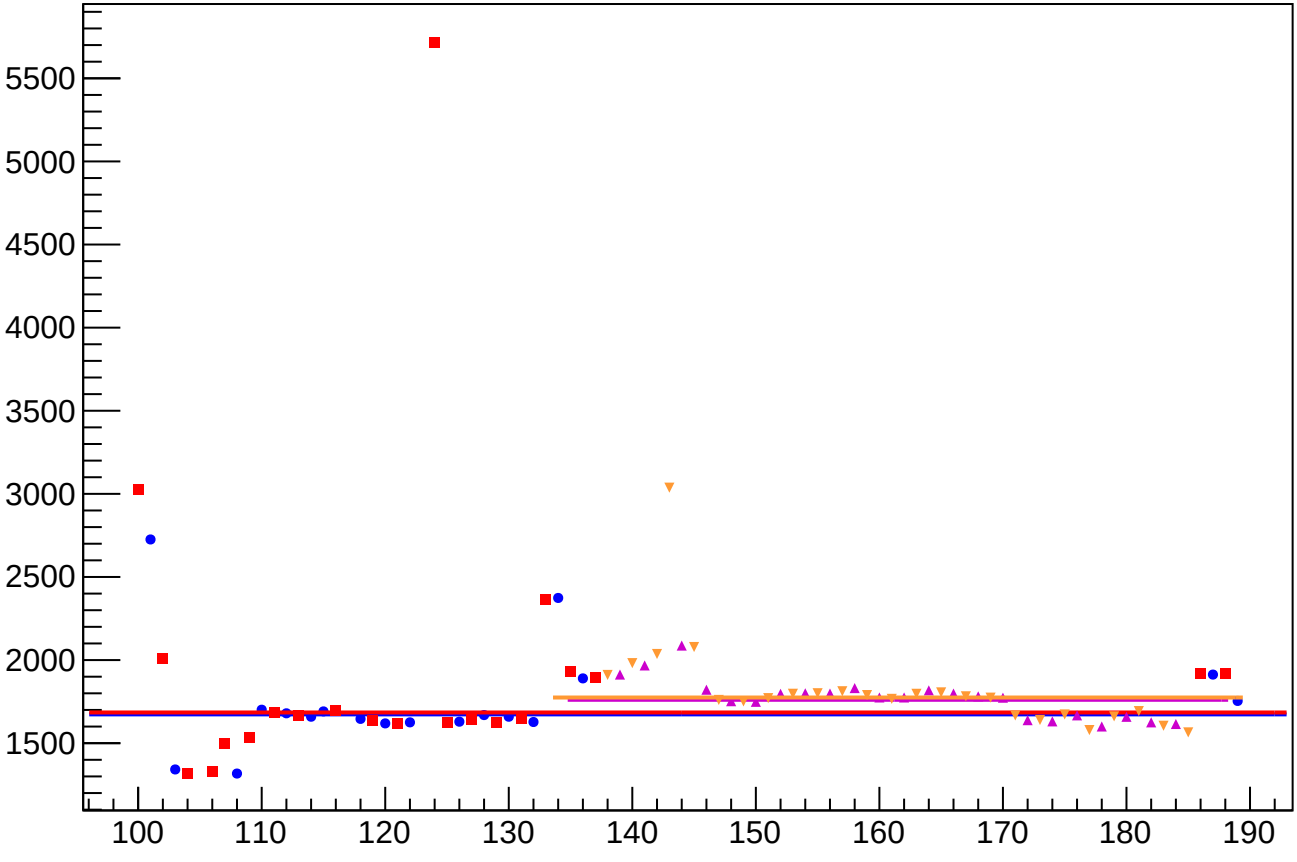
Right: 2436.114+/-418.111 χ^2/NDF: 23.5/38

In: 2996.809+/-340.034 χ^2/NDF:15.6/40

Out: 1196.183+/-332.574 χ^2/NDF:63.1/45

All: 2076.530+/-237.759 χ^2/NDF: 93.0/86

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1673.273+/-0.426 χ^2/NDF: 424352.2/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1684.767+/-0.411 χ^2/NDF: 478089.3/20

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

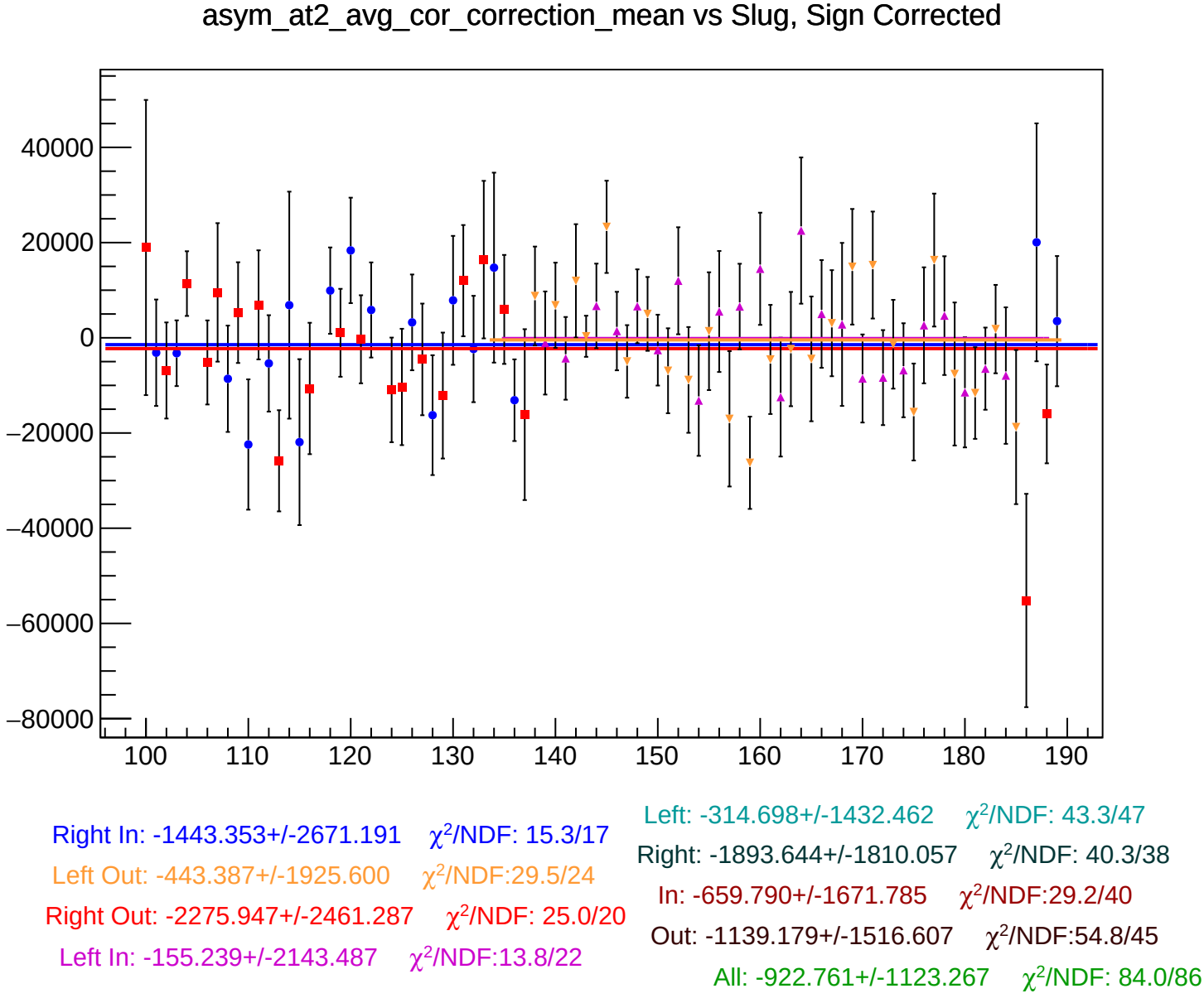
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

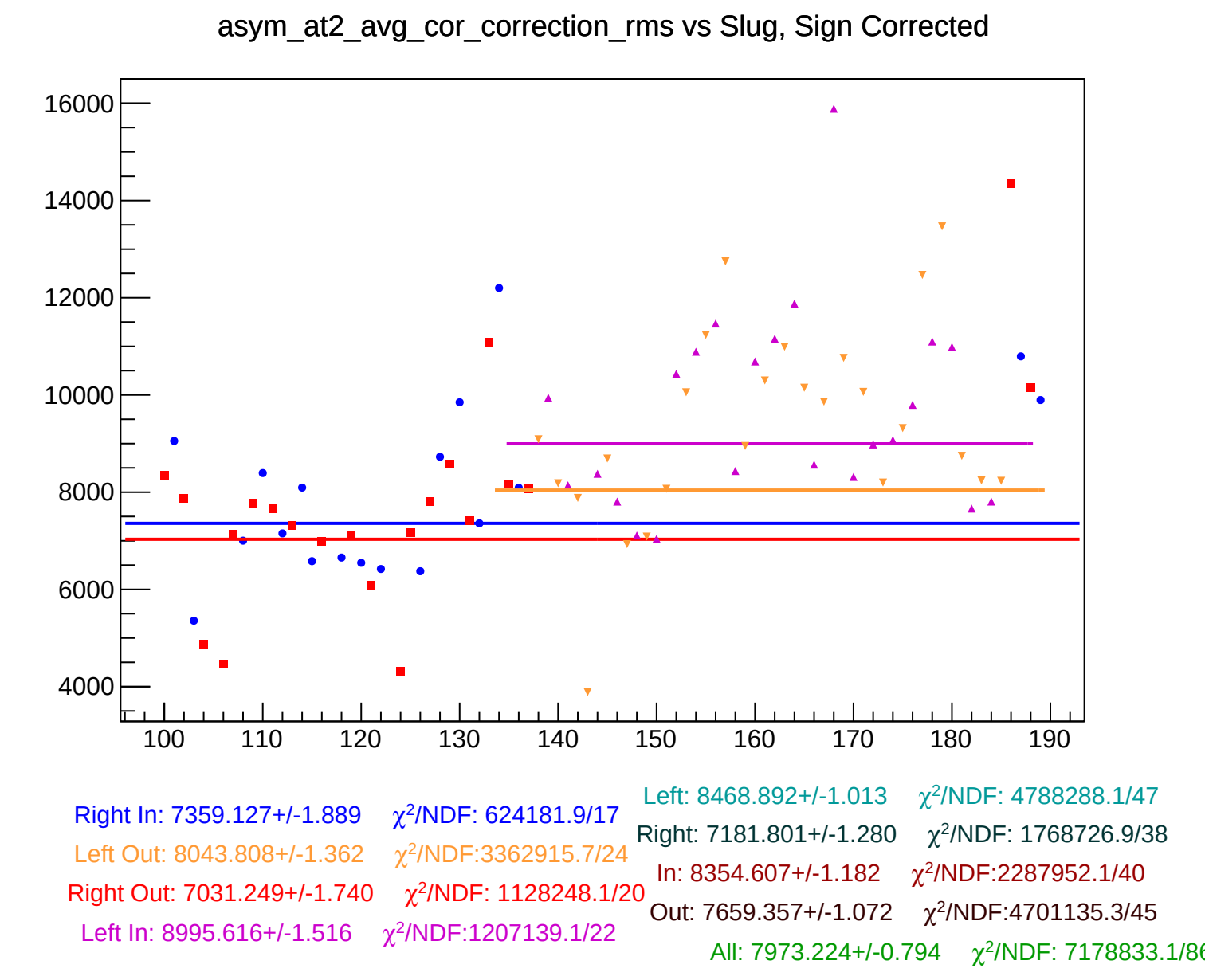
Right: 1679.222+/-0.296 χ^2/NDF: 902819.0/38

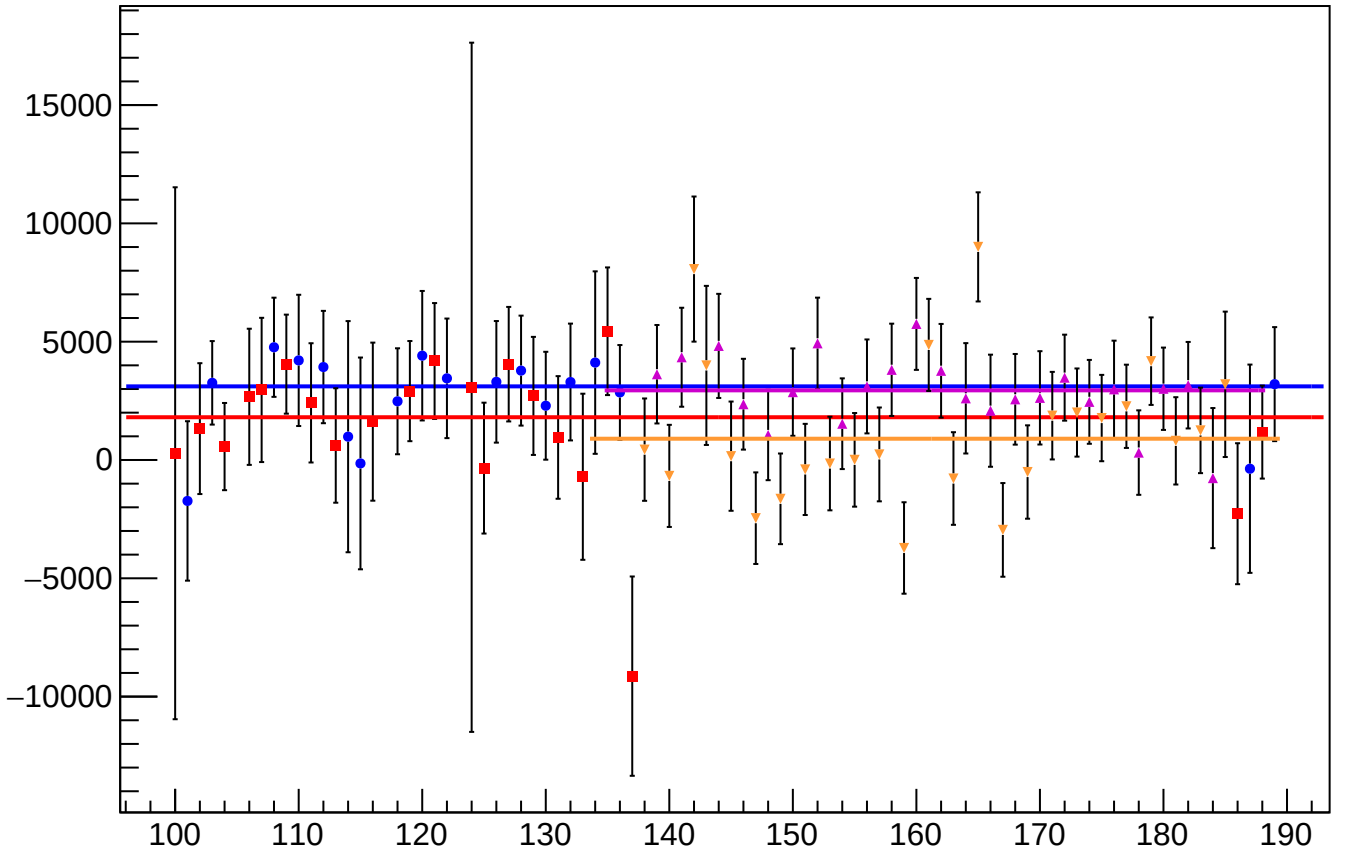
In: 1733.069+/-0.240 χ^2/NDF:599600.1/40

Out: 1745.270+/-0.235 χ^2/NDF:957215.8/45

All: 1739.305+/-0.168 χ^2/NDF: 1558131.9/86


asym_at2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -1443.353+/-2671.191 χ²/NDF: 15.3/17
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -2275.947+/-2461.287 χ²/NDF: 25.0/20
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -1893.644+/-1810.057 χ²/NDF: 40.3/38
In: -659.790+/-1671.785 χ²/NDF:29.2/40
Out: -1139.179+/-1516.607 χ²/NDF:54.8/45
All: -922.761+/-1123.267 χ²/NDF: 84.0/86


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7359.127+/-1.889 χ²/NDF: 624181.9/17
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7031.249+/-1.740 χ²/NDF: 1128248.1/20
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7181.801+/-1.280 χ²/NDF: 1768726.9/38
In: 8354.607+/-1.182 χ²/NDF:2287952.1/40
Out: 7659.357+/-1.072 χ²/NDF:4701135.3/45
All: 7973.224+/-0.794 χ²/NDF: 7178833.1/86



Right In: 3111.275+/-601.977 χ^2/NDF: 4.9/17

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1806.828+/-581.167 χ^2/NDF: 16.2/20

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

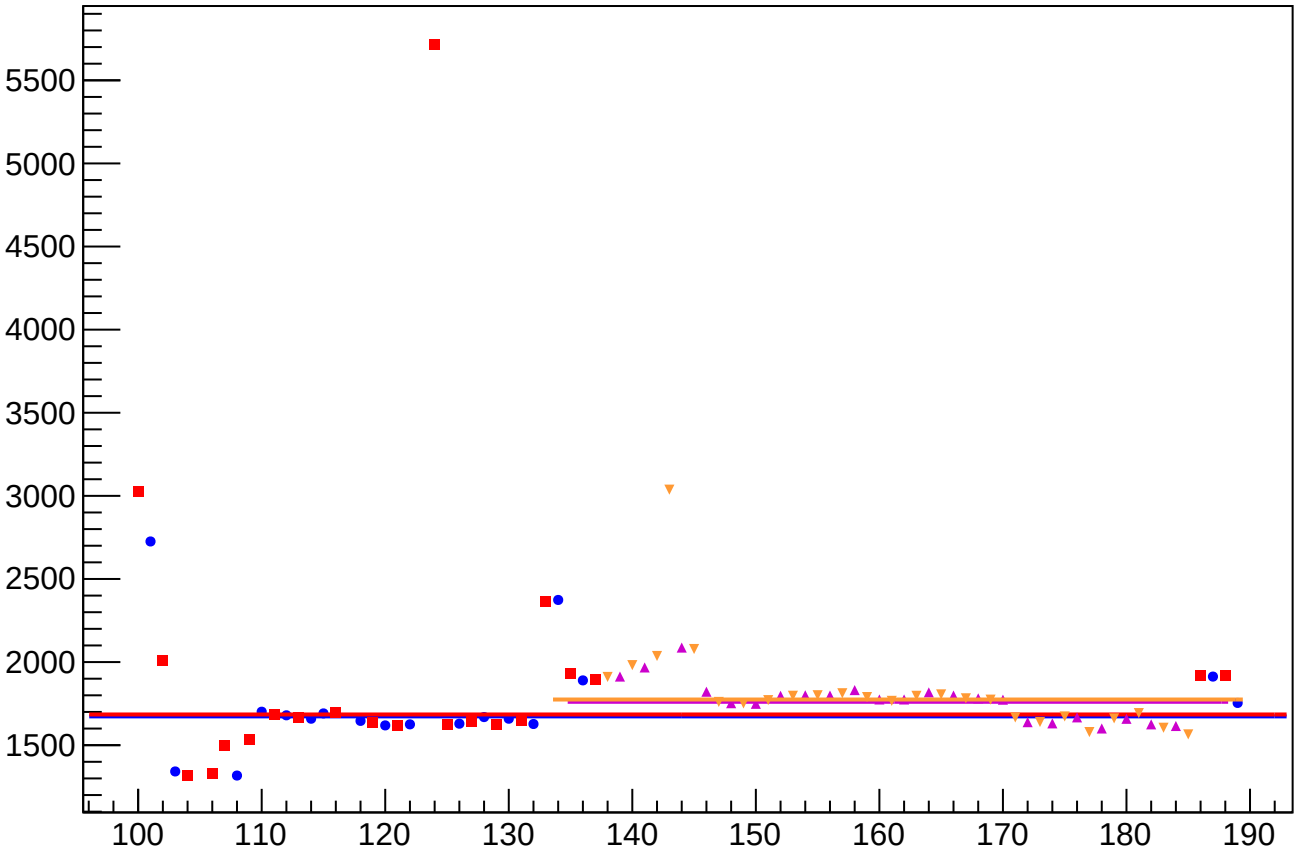
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2436.114+/-418.111 χ^2/NDF: 23.5/38

In: 2996.809+/-340.034 χ^2/NDF:15.6/40

Out: 1196.183+/-332.574 χ^2/NDF:63.1/45

All: 2076.530+/-237.759 χ^2/NDF: 93.0/86



Right In: 1673.273+/-0.426 χ^2/NDF: 424352.2/17

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1684.767+/-0.411 χ^2/NDF: 478089.3/20

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

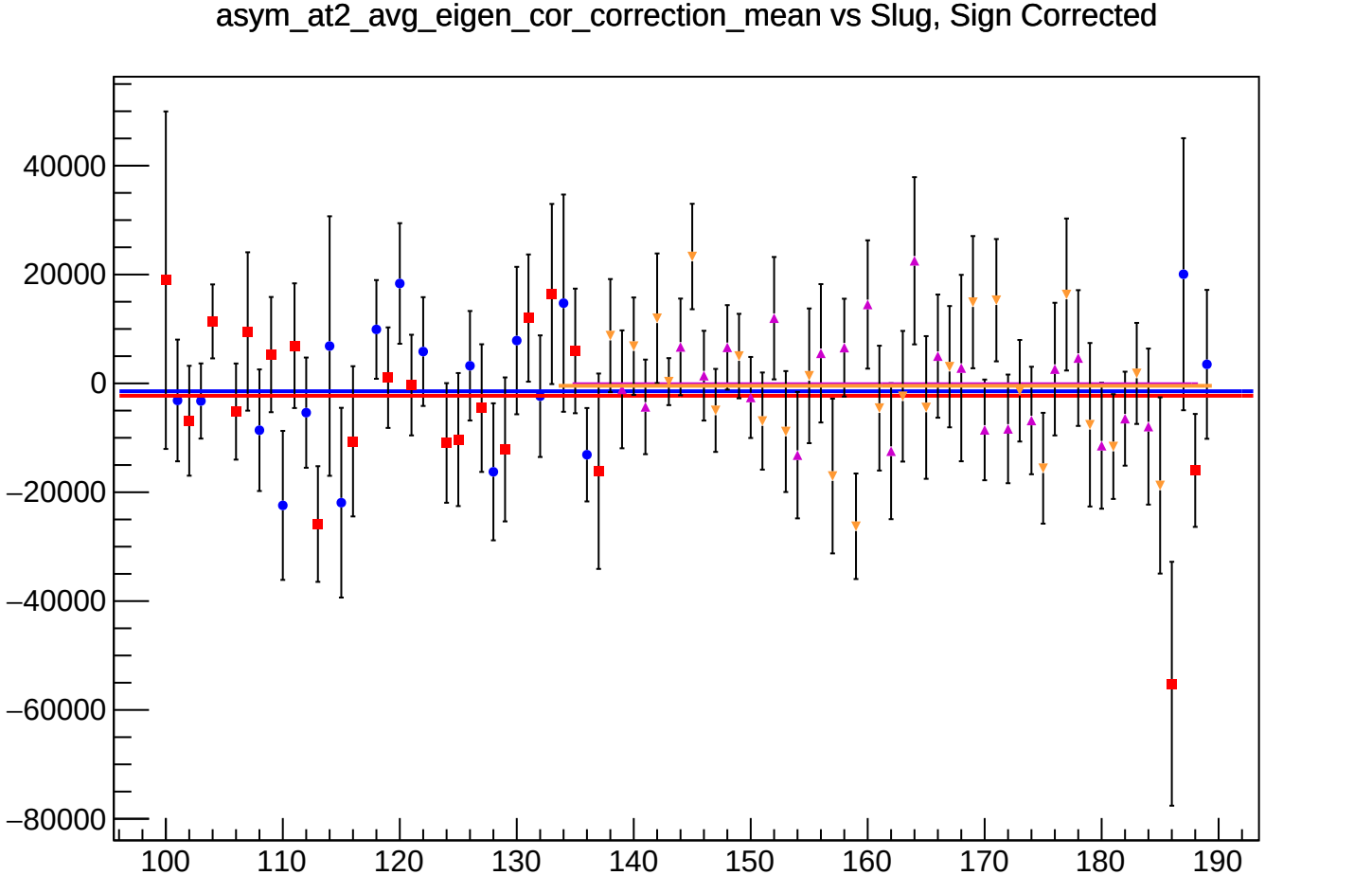
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1679.222+/-0.296 χ^2/NDF: 902819.0/38

In: 1733.069+/-0.240 χ^2/NDF:599600.1/40

Out: 1745.270+/-0.235 χ^2/NDF:957215.8/45

All: 1739.305+/-0.168 χ^2/NDF: 1558131.9/86



Right In: -1443.353+/-2671.191 χ^2/NDF: 15.3/17

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2275.947+/-2461.287 χ^2/NDF: 25.0/20

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

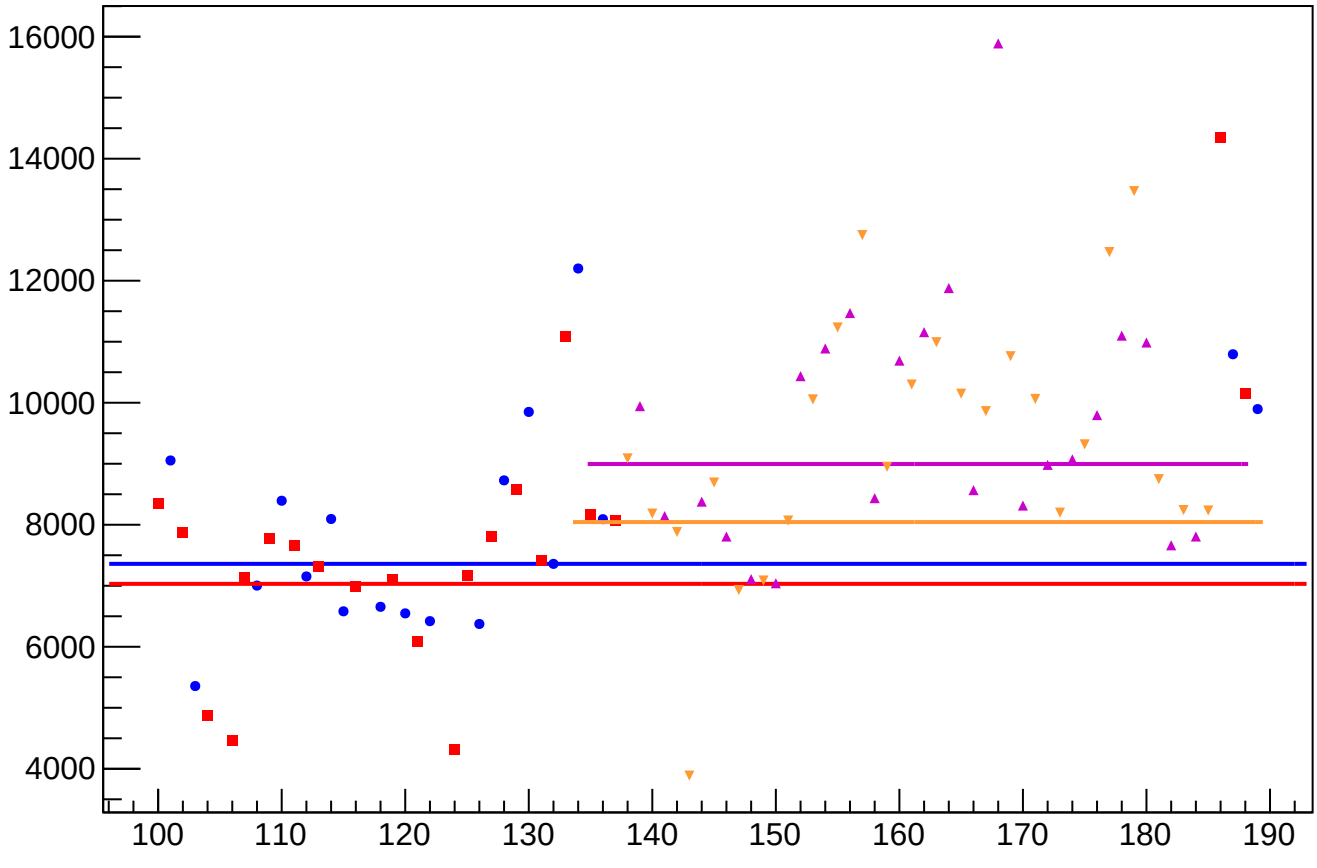
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1893.644+/-1810.057 χ^2/NDF: 40.3/38

In: -659.790+/-1671.785 χ^2/NDF:29.2/40

Out: -1139.179+/-1516.607 χ^2/NDF:54.8/45

All: -922.761+/-1123.267 χ^2/NDF: 84.0/86



Right In: 7359.127+/-1.889 χ^2/NDF: 624181.9/17

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 7031.249+/-1.740 χ^2/NDF: 1128248.1/20

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

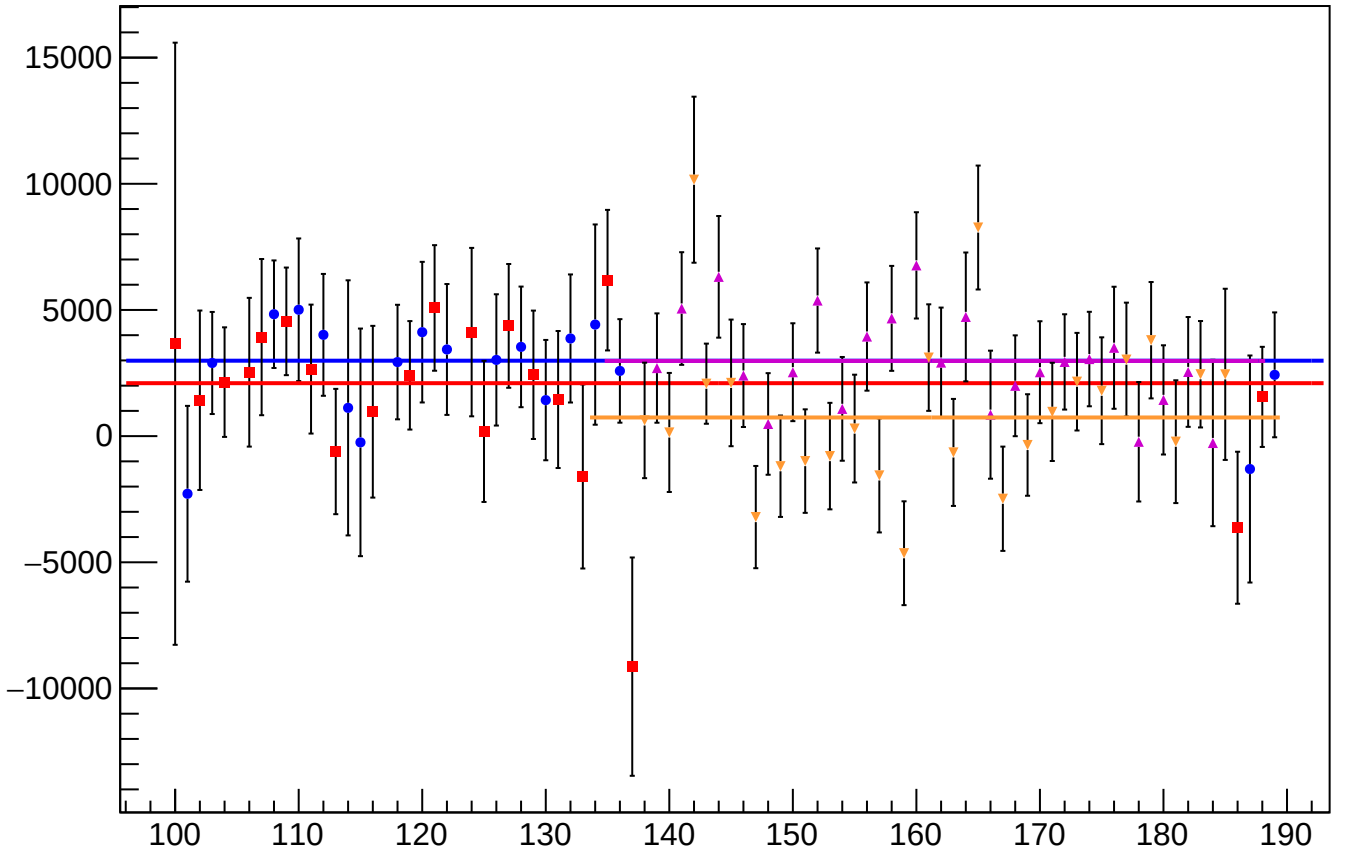
Left: 8468.892+/-1.013 χ^2/NDF: 4788288.1/47

Right: 7181.801+/-1.280 χ^2/NDF: 1768726.9/38

In: 8354.607+/-1.182 χ^2/NDF:2287952.1/40

Out: 7659.357+/-1.072 χ^2/NDF:4701135.3/45

All: 7973.224+/-0.794 χ^2/NDF: 7178833.1/86



Right In: 2989.147+/-623.605 χ^2/NDF: 6.3/17

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2098.250+/-596.206 χ^2/NDF: 19.9/20

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

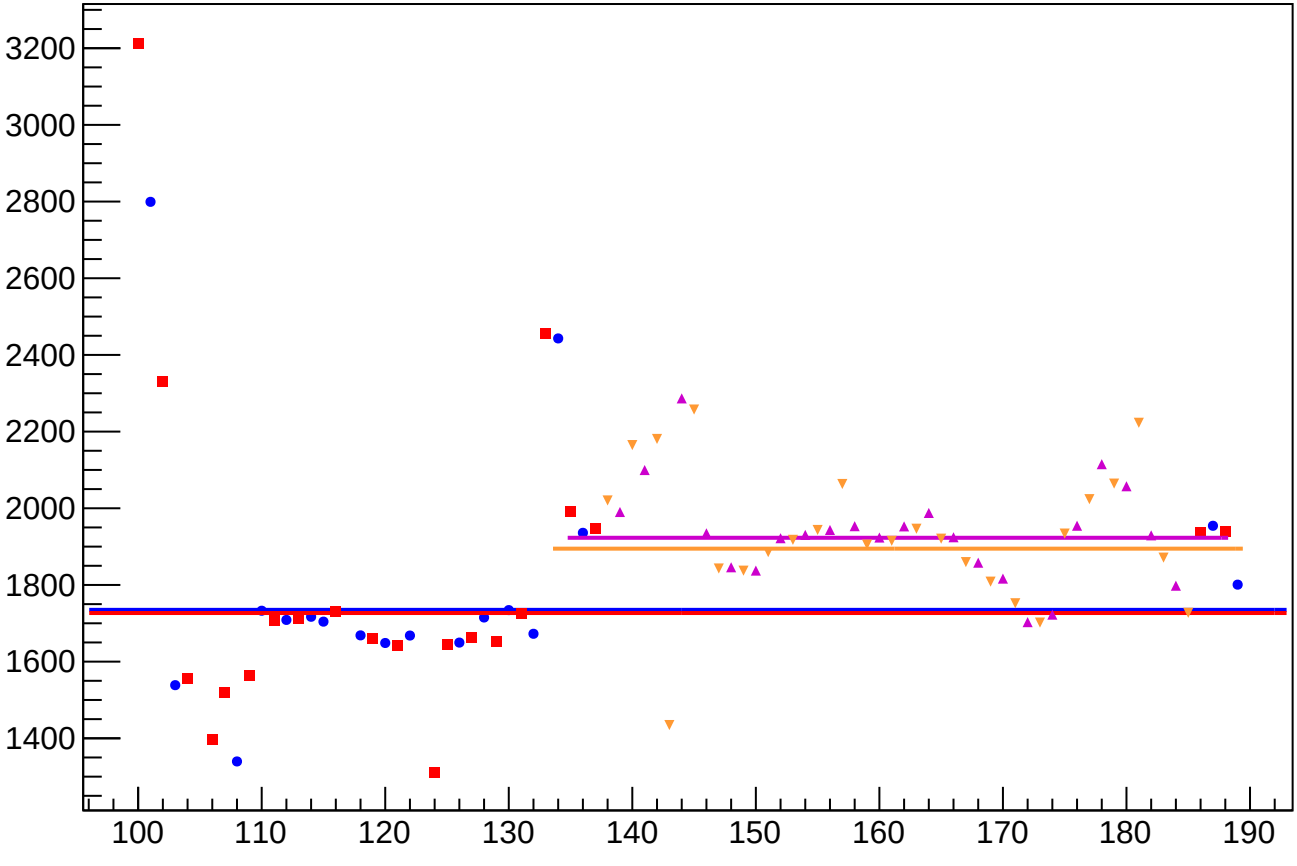
Right: 2523.698+/-430.942 χ^2/NDF: 27.3/38

In: 2982.625+/-365.090 χ^2/NDF:21.9/40

Out: 1208.216+/-350.287 χ^2/NDF:64.9/45

All: 2058.720+/-252.761 χ^2/NDF: 99.2/86

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1735.058+/-0.441 χ^2/NDF: 372198.1/17

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1726.791+/-0.421 χ^2/NDF: 322972.6/20

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

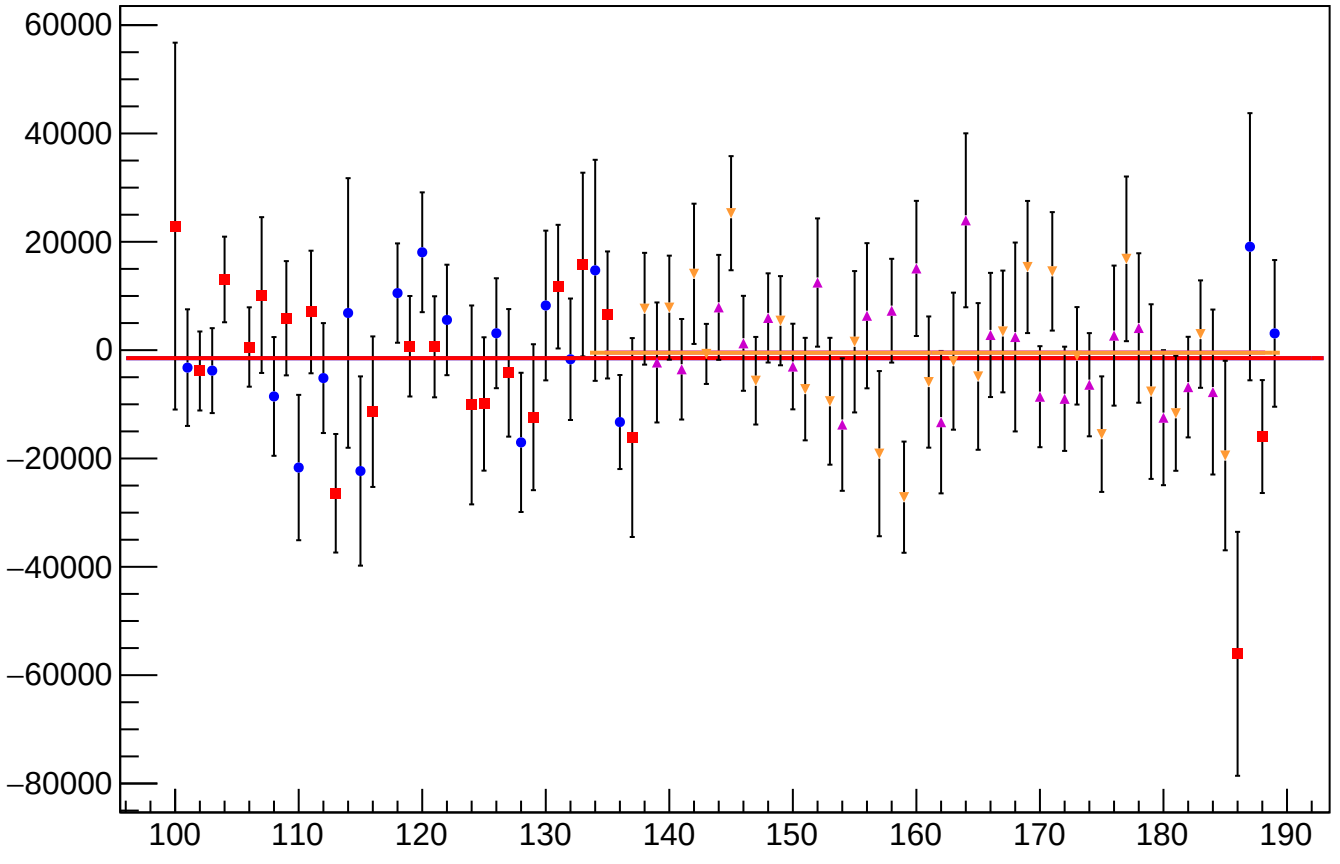
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1730.738+/-0.305 χ^2/NDF: 695354.4/38

In: 1858.608+/-0.258 χ^2/NDF:642620.1/40

Out: 1836.705+/-0.248 χ^2/NDF:795456.5/45

All: 1847.202+/-0.179 χ^2/NDF: 1441825.0/86



Right In: -1497.403+/-2723.632 χ^2/NDF: 15.2/17

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -1473.176+/-2443.674 χ^2/NDF: 24.3/20

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

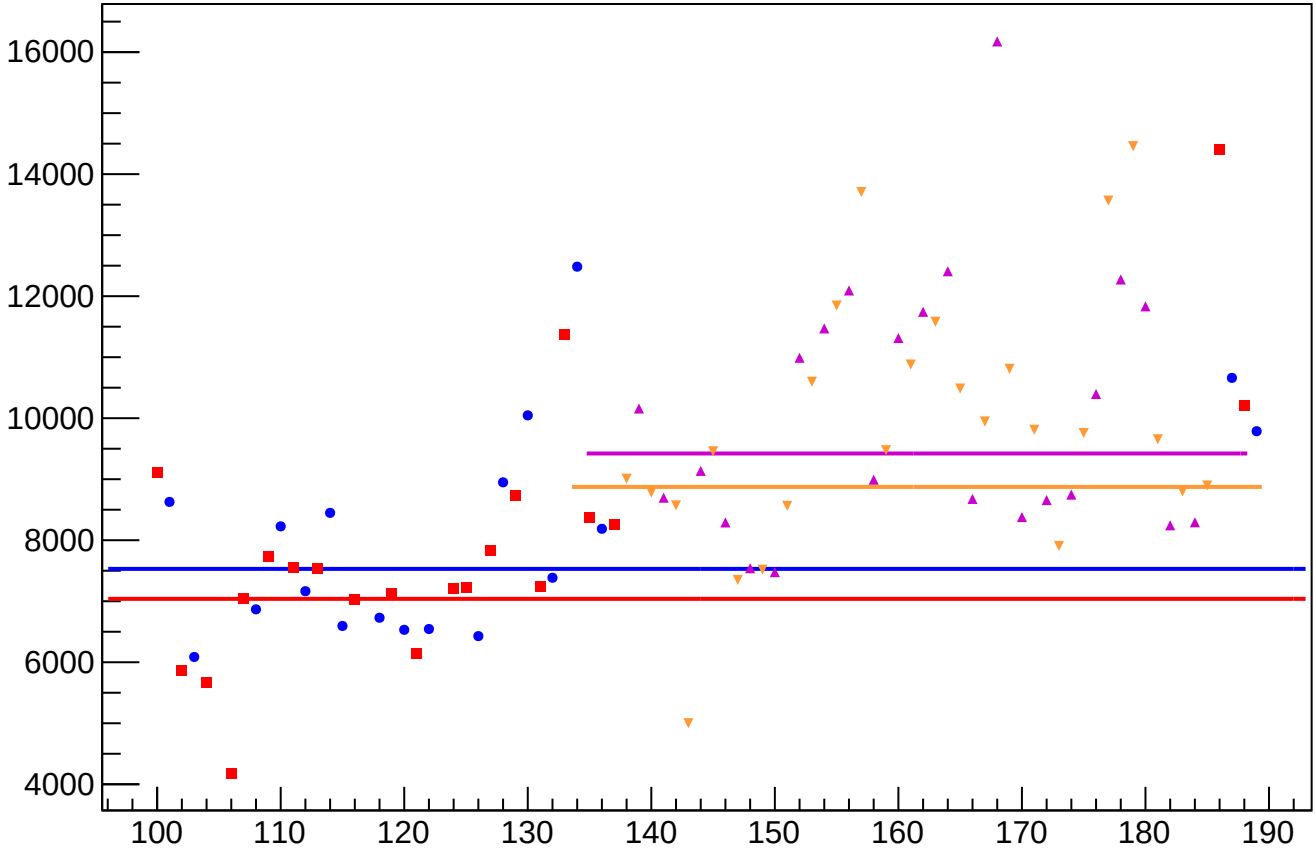
Right: -1483.981+/-1818.888 χ^2/NDF: 39.5/38

In: -865.863+/-1732.439 χ^2/NDF:28.9/40

Out: -899.019+/-1587.980 χ^2/NDF:53.2/45

All: -883.881+/-1170.616 χ^2/NDF: 82.1/86

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 7530.310+/-1.926 χ^2/NDF: 494373.4/17

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7039.125+/-1.728 χ^2/NDF: 1068107.9/20

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

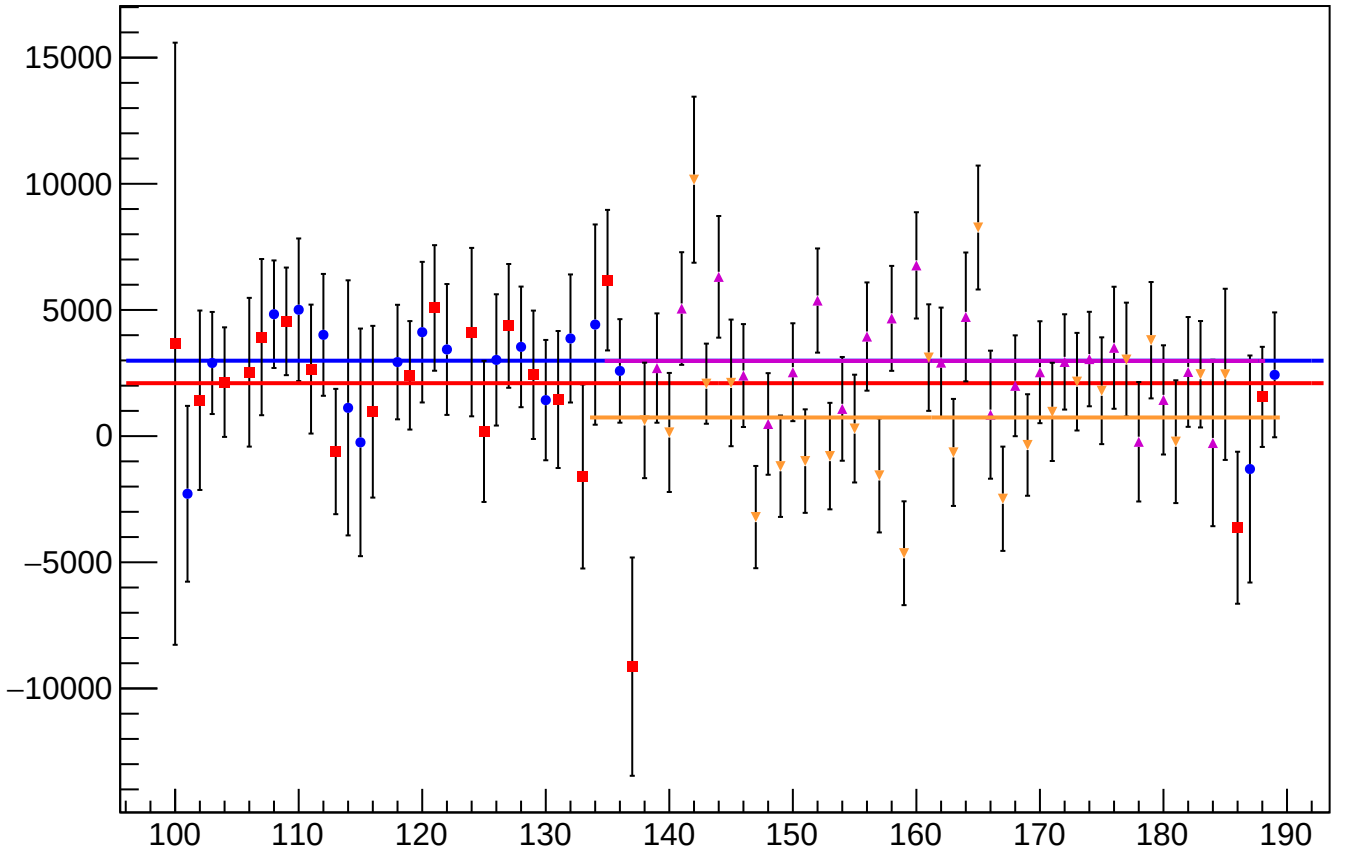
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7258.184+/-1.286 χ^2/NDF: 1598518.5/38

In: 8656.460+/-1.225 χ^2/NDF:2273486.2/40

Out: 8098.928+/-1.123 χ^2/NDF:3922504.6/45

All: 8353.484+/-0.828 χ^2/NDF: 6308553.1/86



Right In: 2989.149+/-623.605 χ^2/NDF: 6.3/17

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2098.259+/-596.206 χ^2/NDF: 19.9/20

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

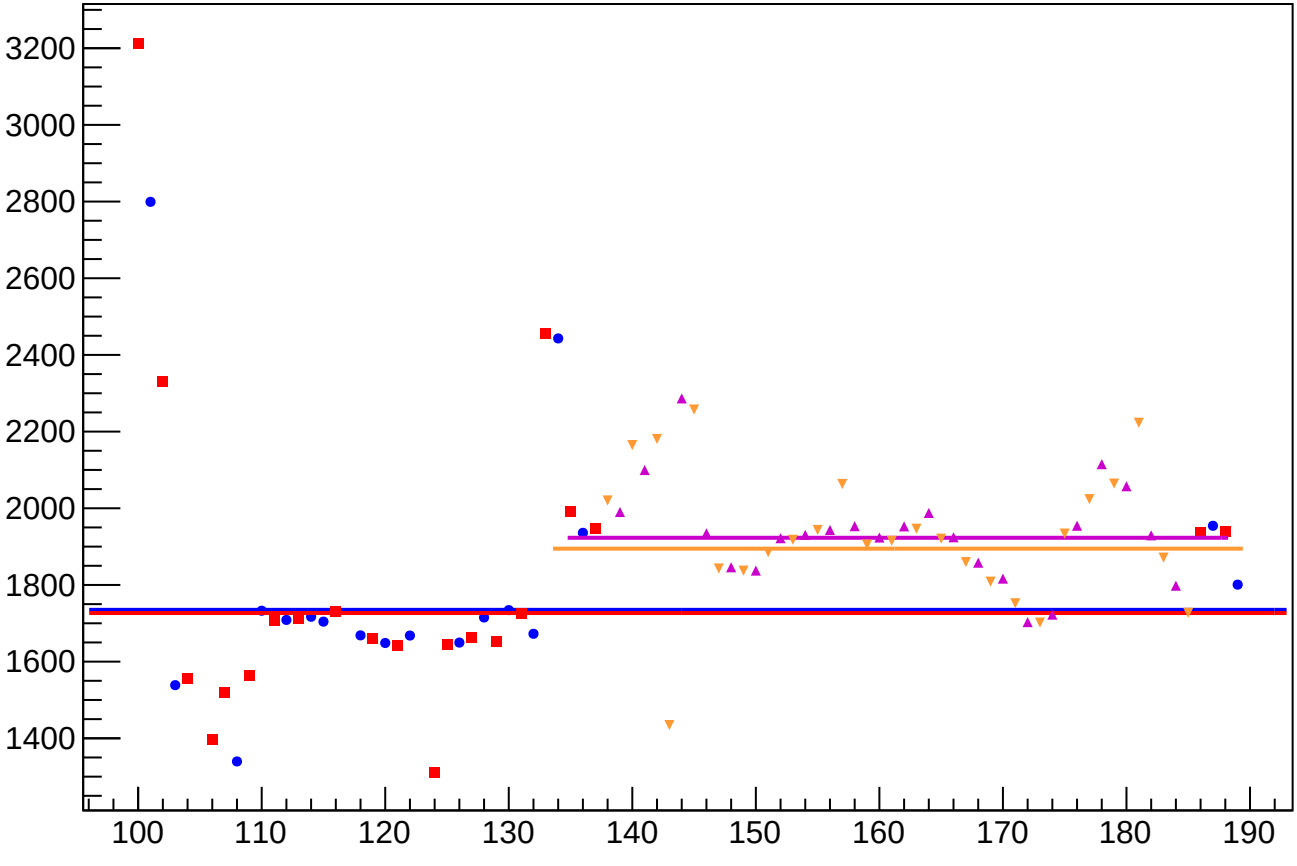
Right: 2523.704+/-430.942 χ^2/NDF: 27.3/38

In: 2982.627+/-365.090 χ^2/NDF:21.9/40

Out: 1208.212+/-350.287 χ^2/NDF:64.9/45

All: 2058.719+/-252.762 χ^2/NDF: 99.2/86

eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1735.057+/-0.441 χ^2/NDF: 372198.1/17

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1726.791+/-0.421 χ^2/NDF: 322972.8/20

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

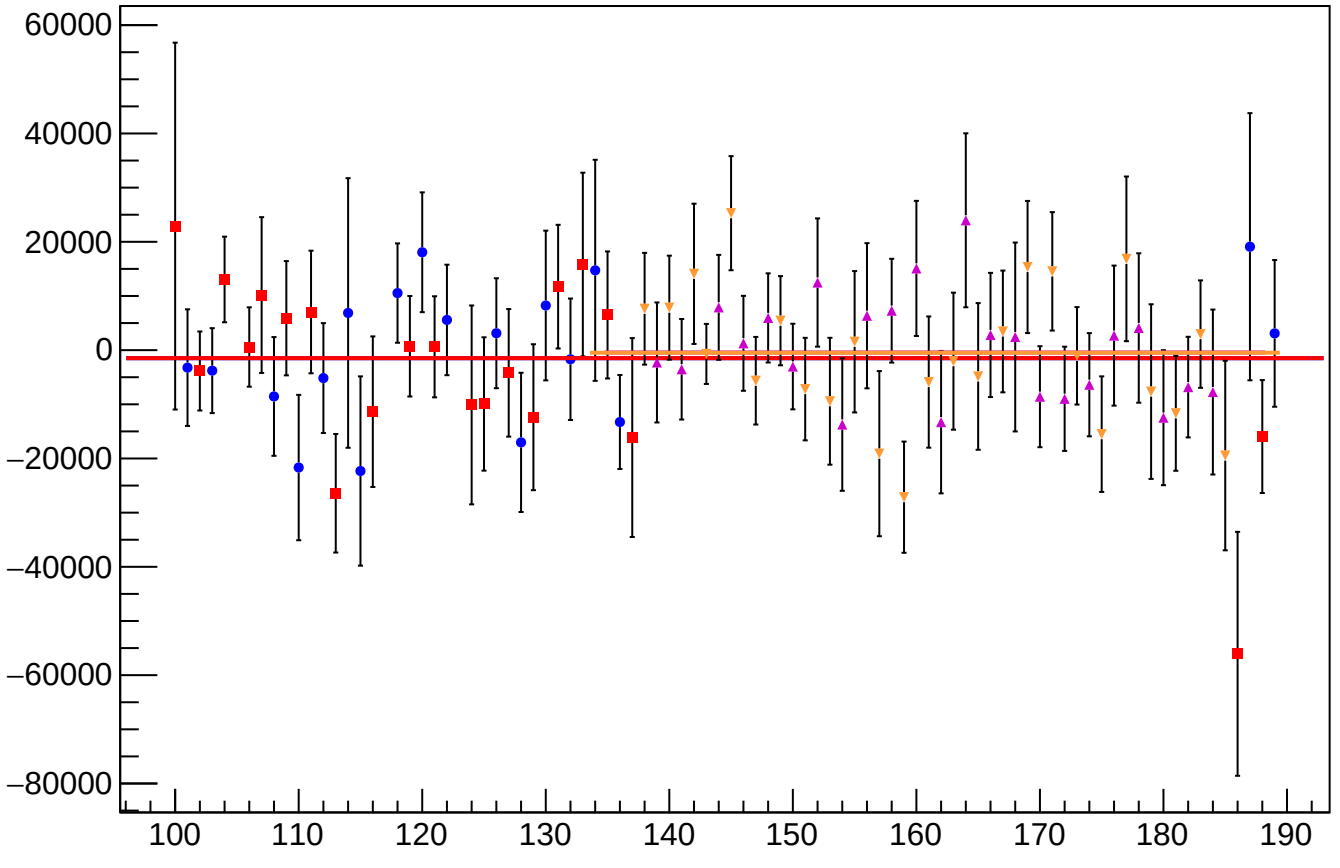
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1730.737+/-0.305 χ^2/NDF: 695354.5/38

In: 1858.609+/-0.258 χ^2/NDF:642632.4/40

Out: 1836.707+/-0.248 χ^2/NDF:795468.5/45

All: 1847.204+/-0.179 χ^2/NDF: 1441849.3/86



Right In: -1497.385+/-2723.626 χ^2/NDF: 15.2/17

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -1473.164+/-2443.669 χ^2/NDF: 24.3/20

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

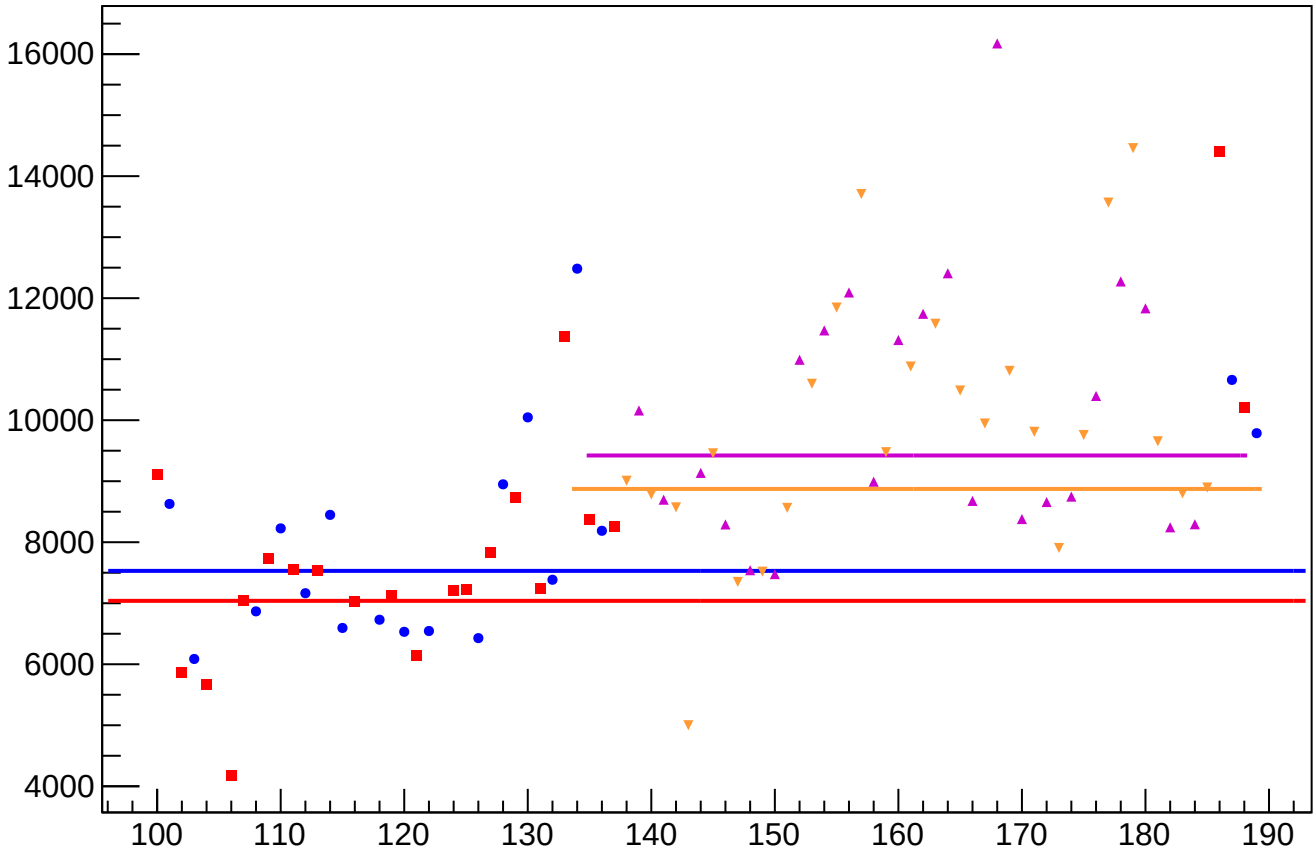
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1483.966+/-1818.885 χ^2/NDF: 39.5/38

In: -865.860+/-1732.439 χ^2/NDF:28.9/40

Out: -899.019+/-1587.980 χ^2/NDF:53.2/45

All: -883.879+/-1170.616 χ^2/NDF: 82.1/86



Right In: 7530.294+/-1.926 χ^2/NDF: 494377.7/17

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7039.111+/-1.728 χ^2/NDF: 1068110.3/20

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

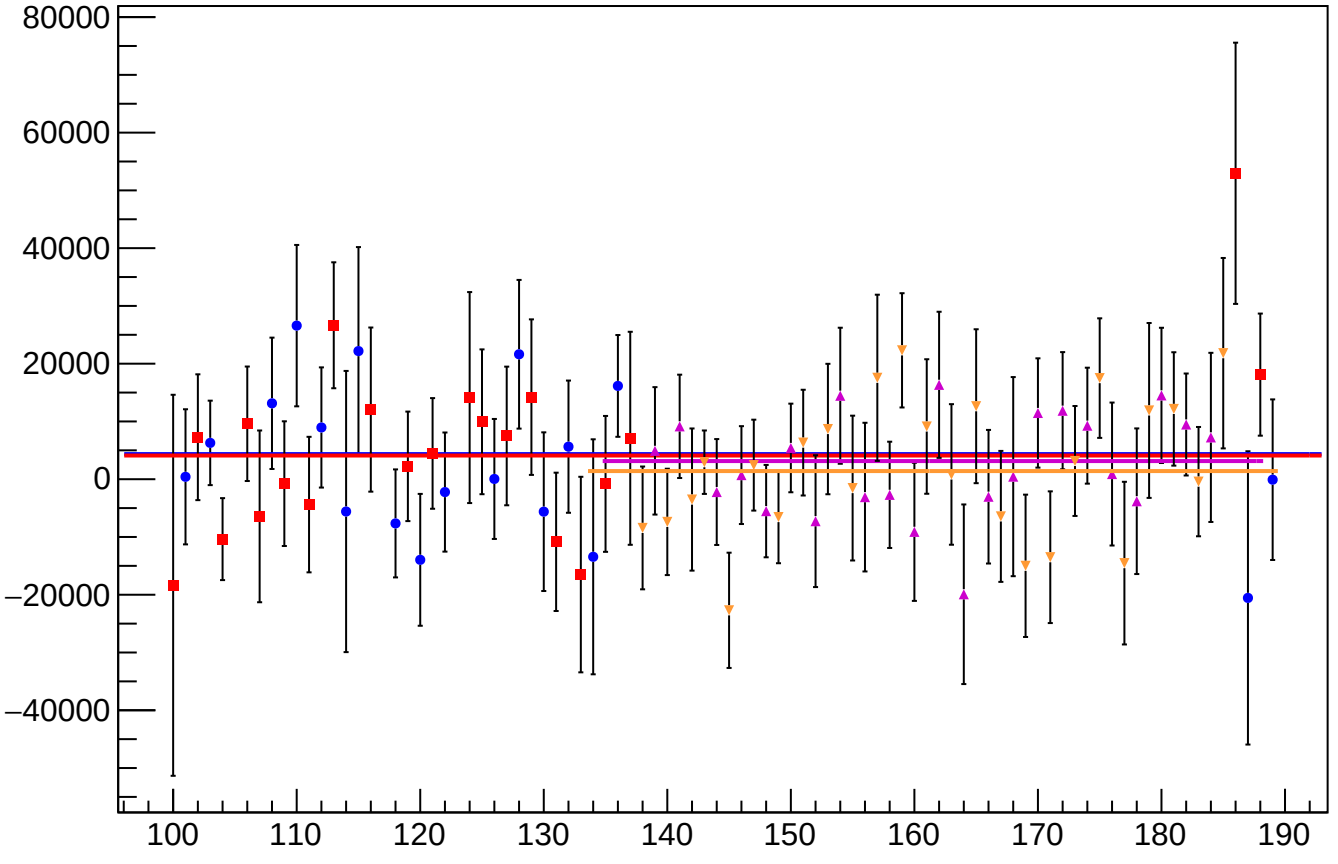
Right: 7258.168+/-1.286 χ^2/NDF: 1598524.9/38

In: 8656.459+/-1.225 χ^2/NDF:2273513.8/40

Out: 8098.927+/-1.123 χ^2/NDF:3922529.3/45

All: 8353.483+/-0.828 χ^2/NDF: 6308605.1/86

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4345.301+/-2755.713 χ^2/NDF: 15.4/17

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4101.070+/-2594.673 χ^2/NDF: 21.7/20

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

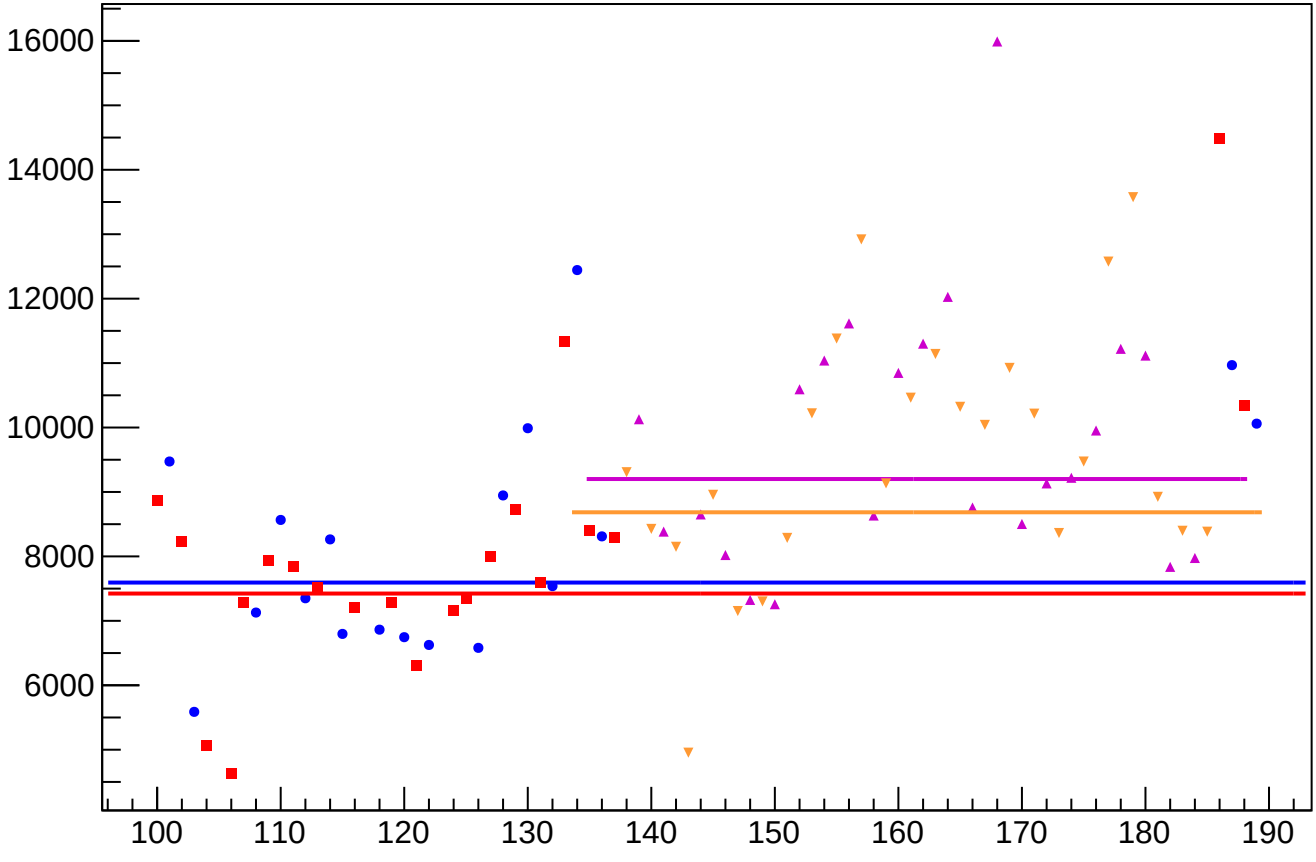
Right: 4215.841+/-1889.078 χ^2/NDF: 37.1/38

In: 3605.972+/-1714.259 χ^2/NDF:28.5/40

Out: 2436.920+/-1603.645 χ^2/NDF:49.8/45

All: 2982.515+/-1171.102 χ^2/NDF: 78.6/86

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7594.027+/-1.949 χ^2/NDF: 589901.9/17

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7423.515+/-1.835 χ^2/NDF: 928080.9/20

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

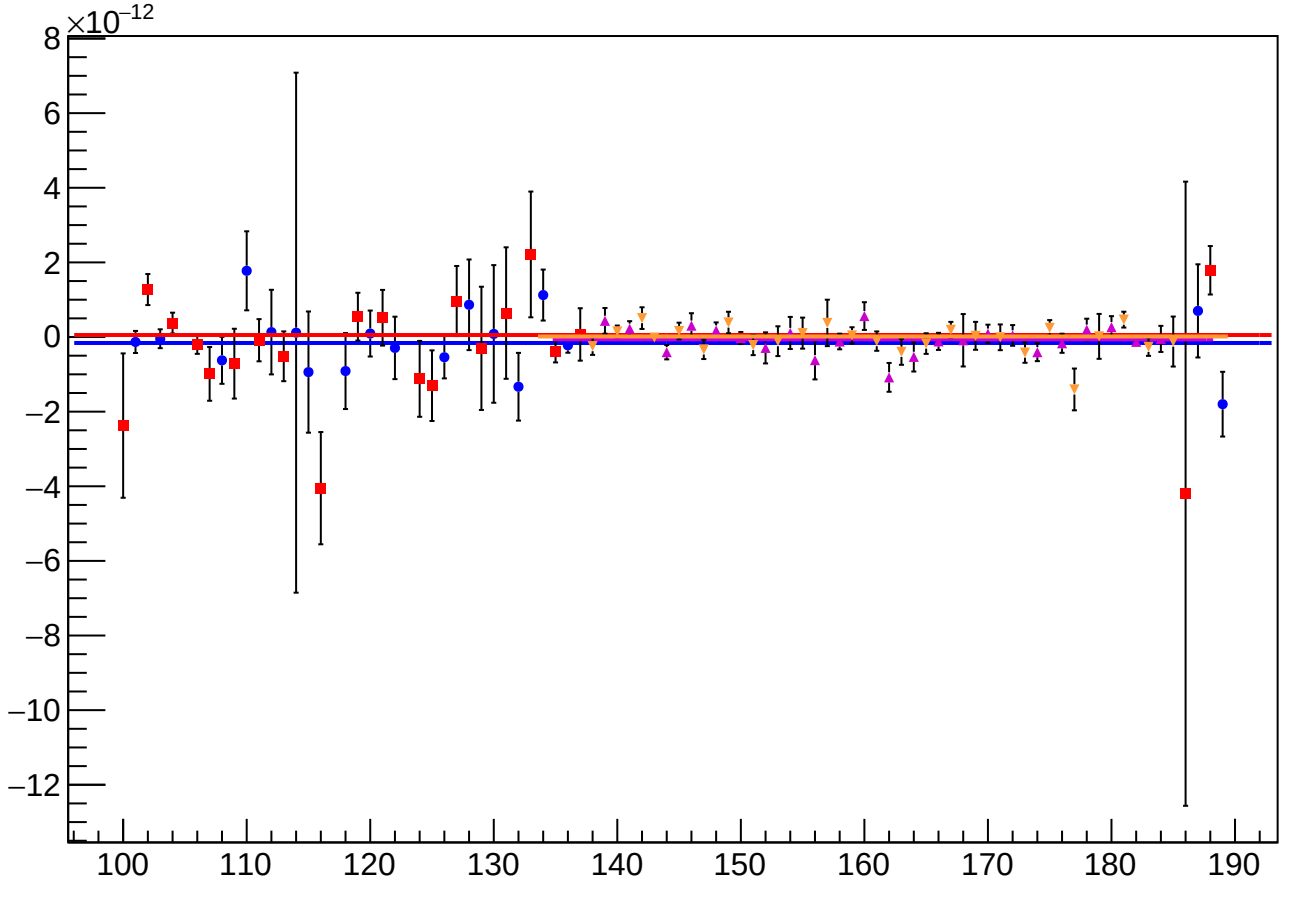
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 7503.639+/-1.336 χ^2/NDF: 1522041.9/38

In: 8579.008+/-1.212 χ^2/NDF:2136144.7/40

Out: 8202.809+/-1.134 χ^2/NDF:3271680.2/45

All: 8378.376+/-0.828 χ^2/NDF: 5459193.4/86



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.4/20

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

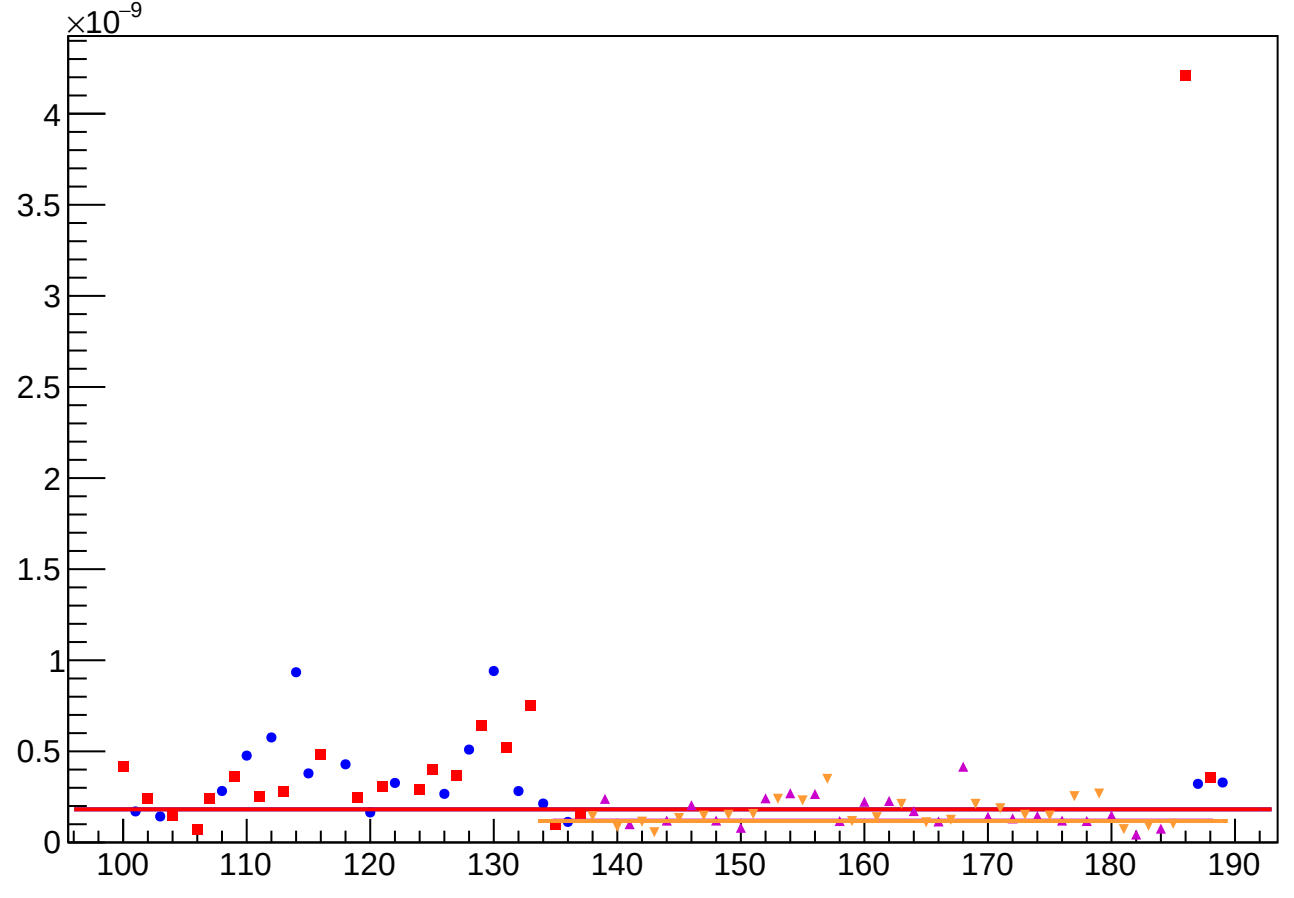
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.7/38

In: -0.000+/-0.000 χ^2/NDF:44.0/40

Out: 0.000+/-0.000 χ^2/NDF:69.3/45

All: -0.000+/-0.000 χ^2/NDF: 115.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 1615147.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2255039.2/20

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

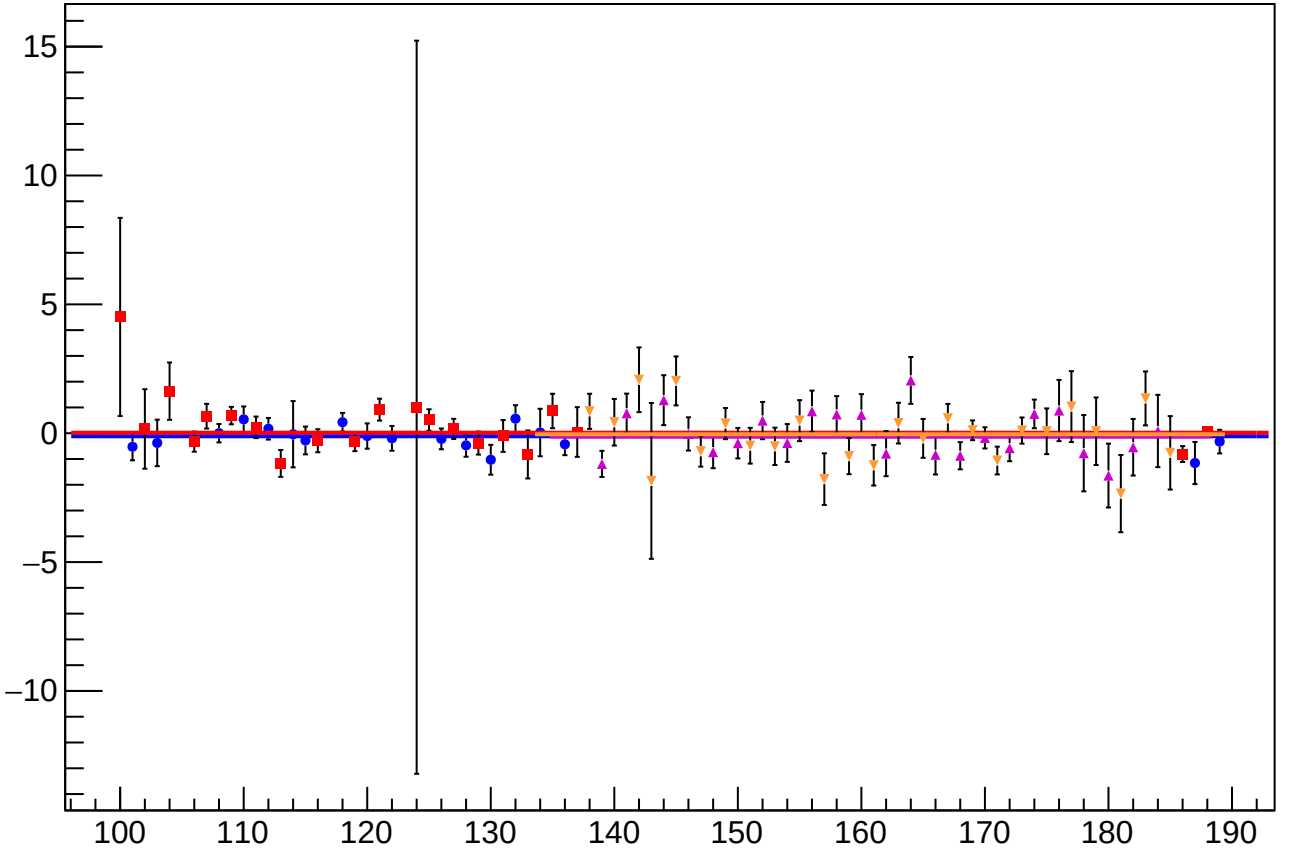
Right: 0.000+/-0.000 χ^2/NDF: 3870187.0/38

In: 0.000+/-0.000 χ^2/NDF:4735109.7/40

Out: 0.000+/-0.000 χ^2/NDF:5072091.7/45

All: 0.000+/-0.000 χ^2/NDF: 9811870.2/86

asym_at2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

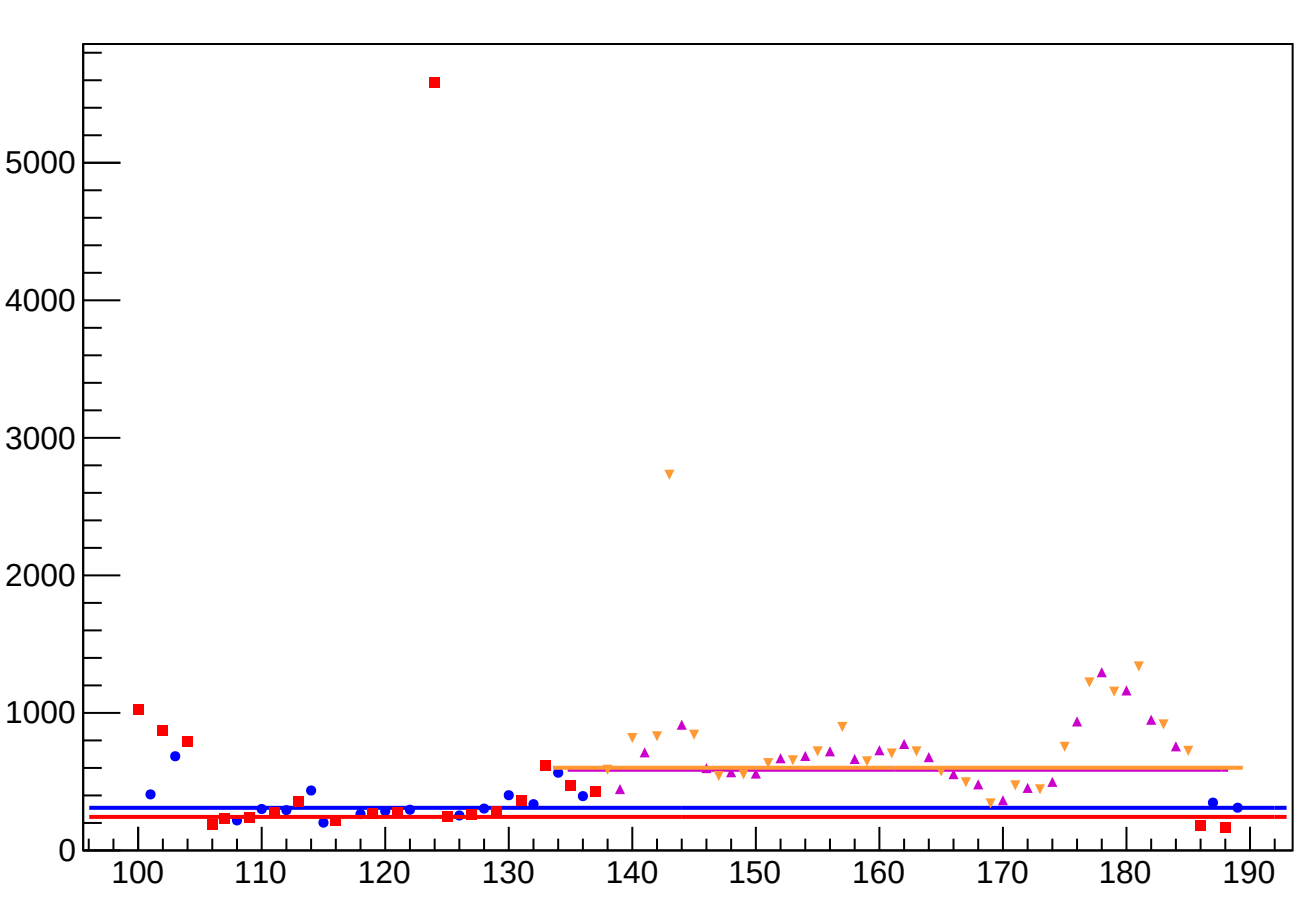
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.034+/-0.073 χ^2/NDF: 46.9/38

In: -0.122+/-0.091 χ^2/NDF:41.7/40

Out: 0.003+/-0.079 χ^2/NDF:63.6/45

All: -0.051+/-0.060 χ^2/NDF: 106.4/86



Right In: 309.994+/-0.082 χ^2/NDF: 1018967.5/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 243.918+/-0.066 χ^2/NDF: 2524526.7/20

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

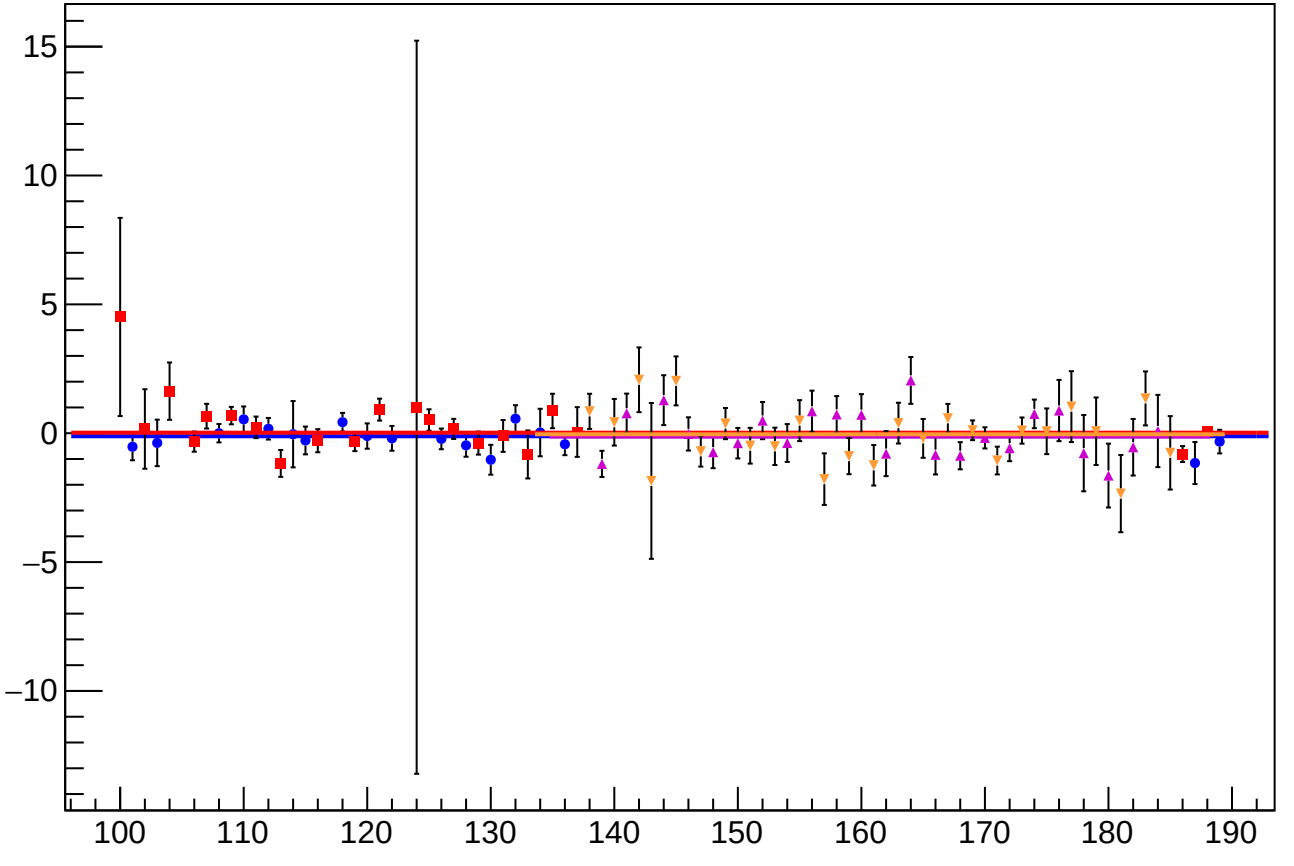
Right: 269.870+/-0.052 χ^2/NDF: 3933741.2/38

In: 418.483+/-0.064 χ^2/NDF:8374025.1/40

Out: 346.703+/-0.056 χ^2/NDF:15342629.7/45

All: 377.644+/-0.042 χ^2/NDF: 24426231.4/86

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

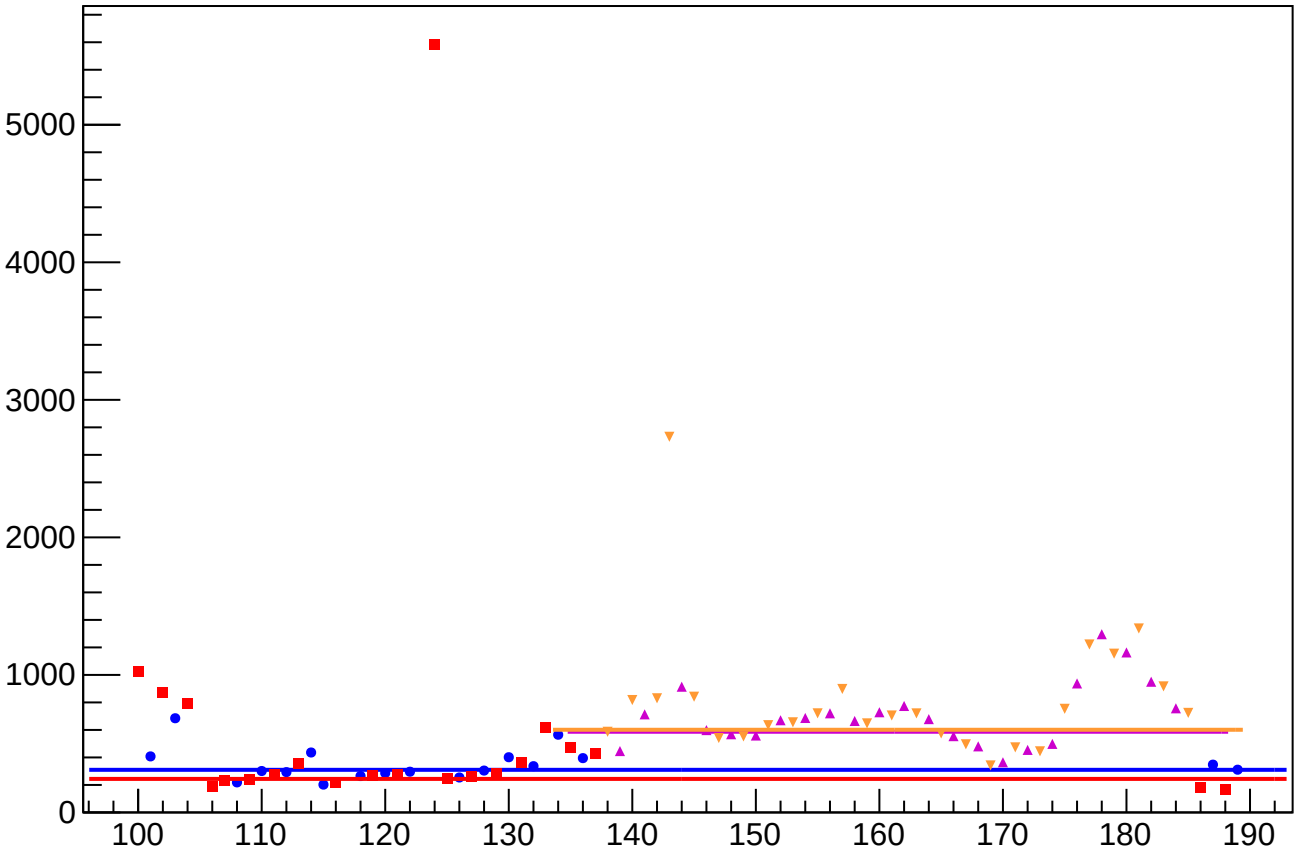
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.034+/-0.073 χ^2/NDF: 46.9/38

In: -0.122+/-0.091 χ^2/NDF:41.7/40

Out: 0.003+/-0.079 χ^2/NDF:63.6/45

All: -0.051+/-0.060 χ^2/NDF: 106.4/86



Right In: 309.994+/-0.082 χ^2/NDF: 1018967.5/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 243.918+/-0.066 χ^2/NDF: 2524526.7/20

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

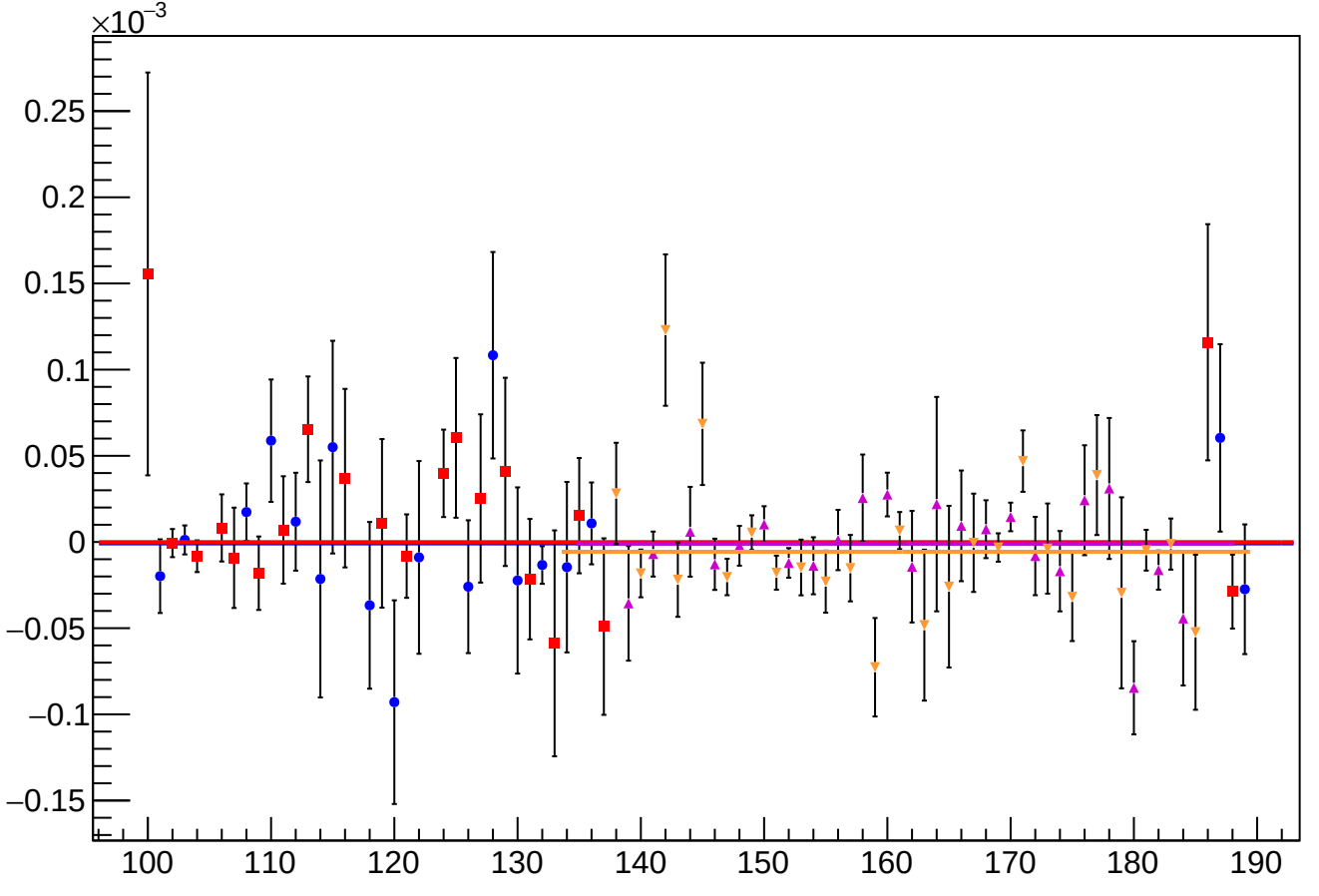
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 269.870+/-0.052 χ^2/NDF: 3933741.2/38

In: 418.483+/-0.064 χ^2/NDF:8374025.1/40

Out: 346.703+/-0.056 χ^2/NDF:15342629.7/45

All: 377.644+/-0.042 χ^2/NDF: 24426231.4/86



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/20

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

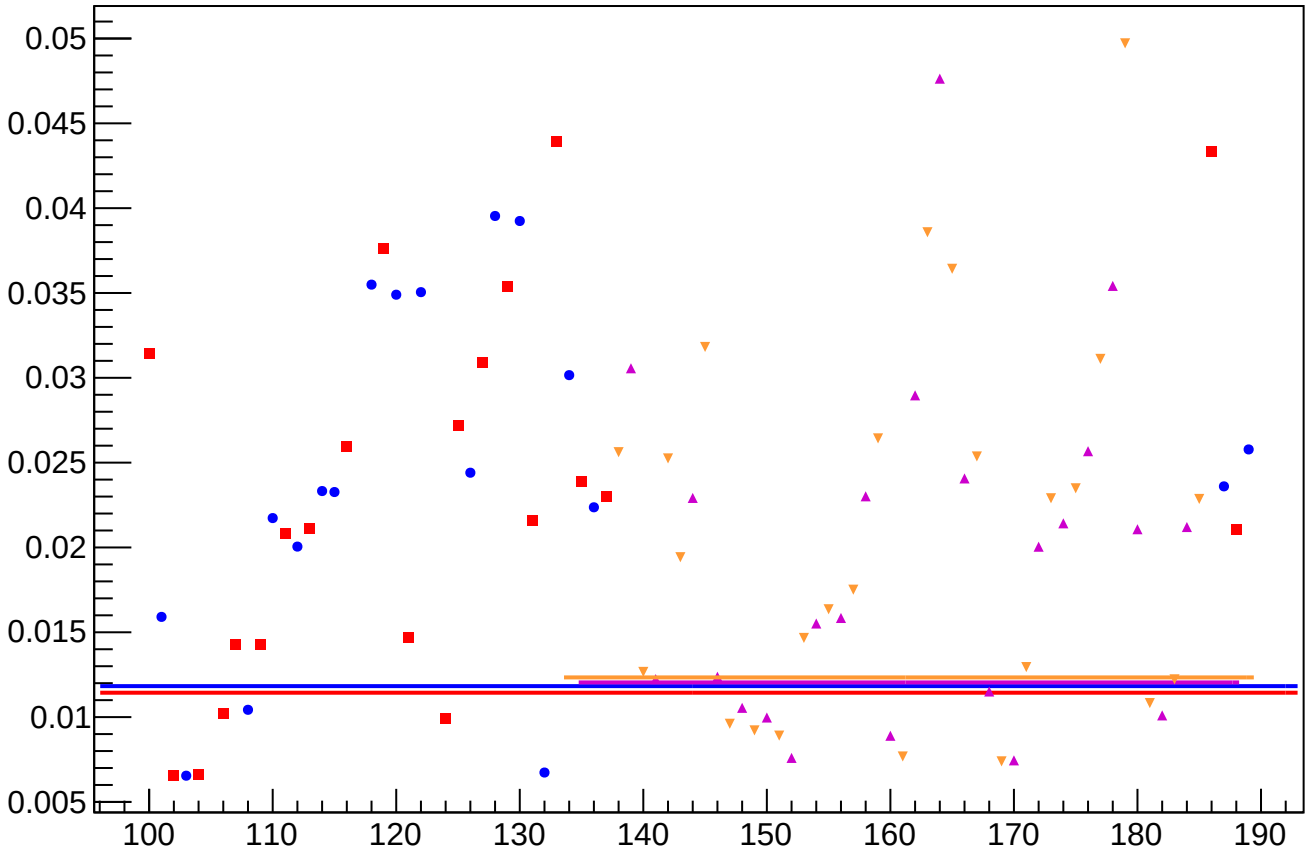
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 37.1/38

In: -0.000+/-0.000 χ^2/NDF:46.5/40

Out: -0.000+/-0.000 χ^2/NDF:64.4/45

All: -0.000+/-0.000 χ^2/NDF: 111.4/86



Right In: 0.012+/-0.000 χ^2/NDF: 5079549.2/17

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 5344012.5/20

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

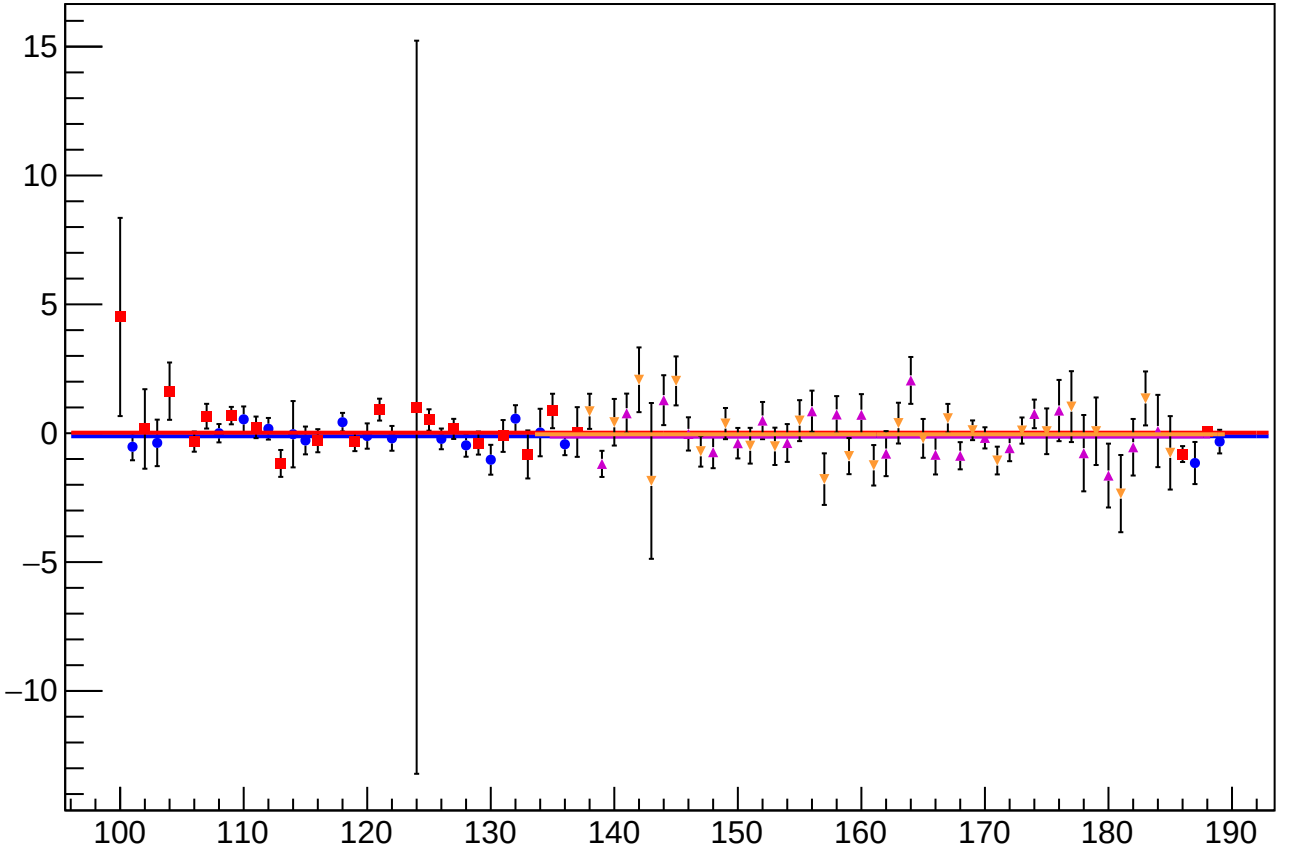
Right: 0.012+/-0.000 χ^2/NDF: 10429636.4/38

In: 0.012+/-0.000 χ^2/NDF:11461455.2/40

Out: 0.012+/-0.000 χ^2/NDF:13232826.5/45

All: 0.012+/-0.000 χ^2/NDF: 24694862.0/86

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

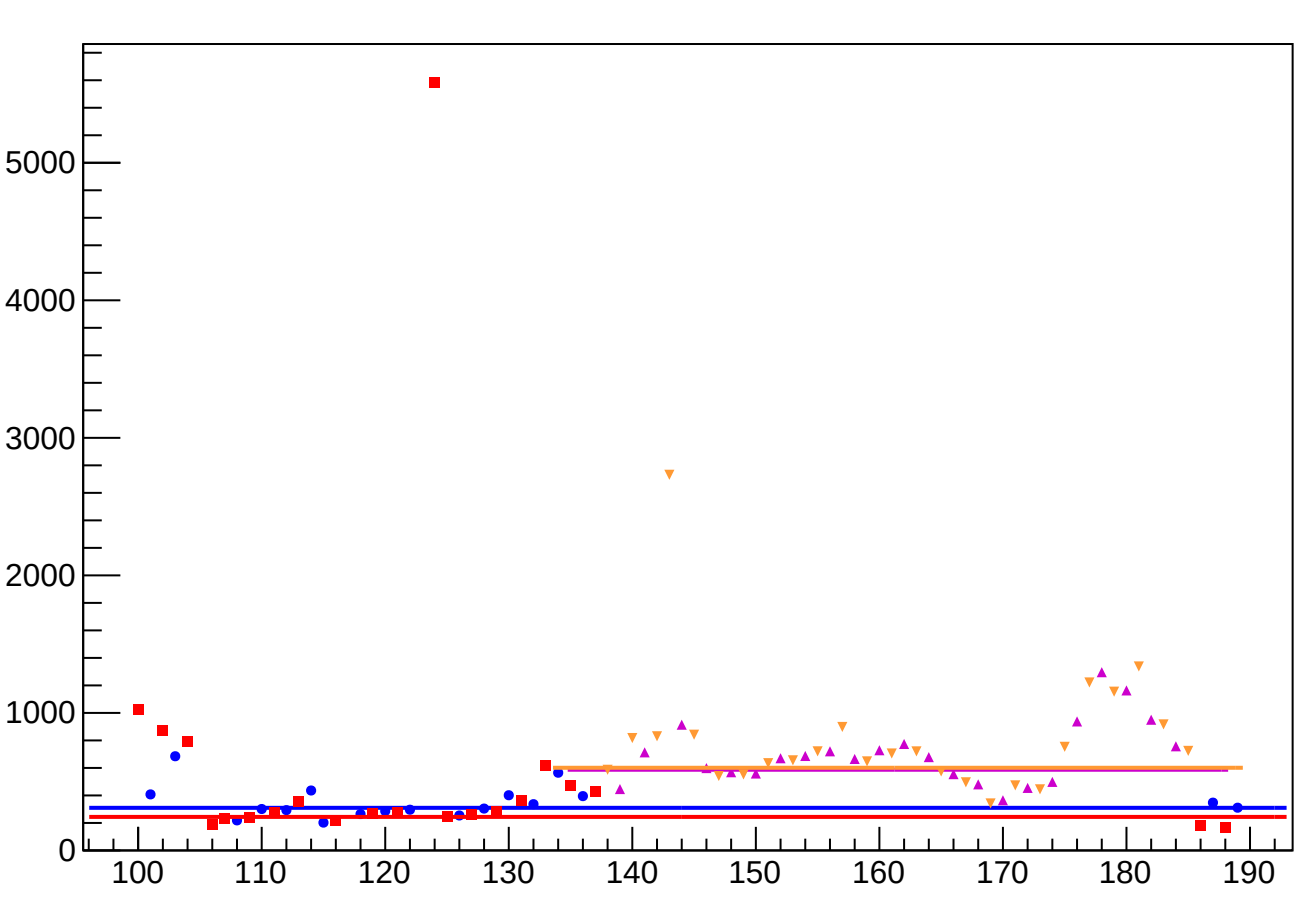
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.034+/-0.073 χ^2/NDF: 46.9/38

In: -0.122+/-0.091 χ^2/NDF:41.7/40

Out: 0.003+/-0.079 χ^2/NDF:63.6/45

All: -0.051+/-0.060 χ^2/NDF: 106.4/86



Right In: 309.992+/-0.082 χ^2/NDF: 1018935.9/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 243.913+/-0.066 χ^2/NDF: 2524625.3/20

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

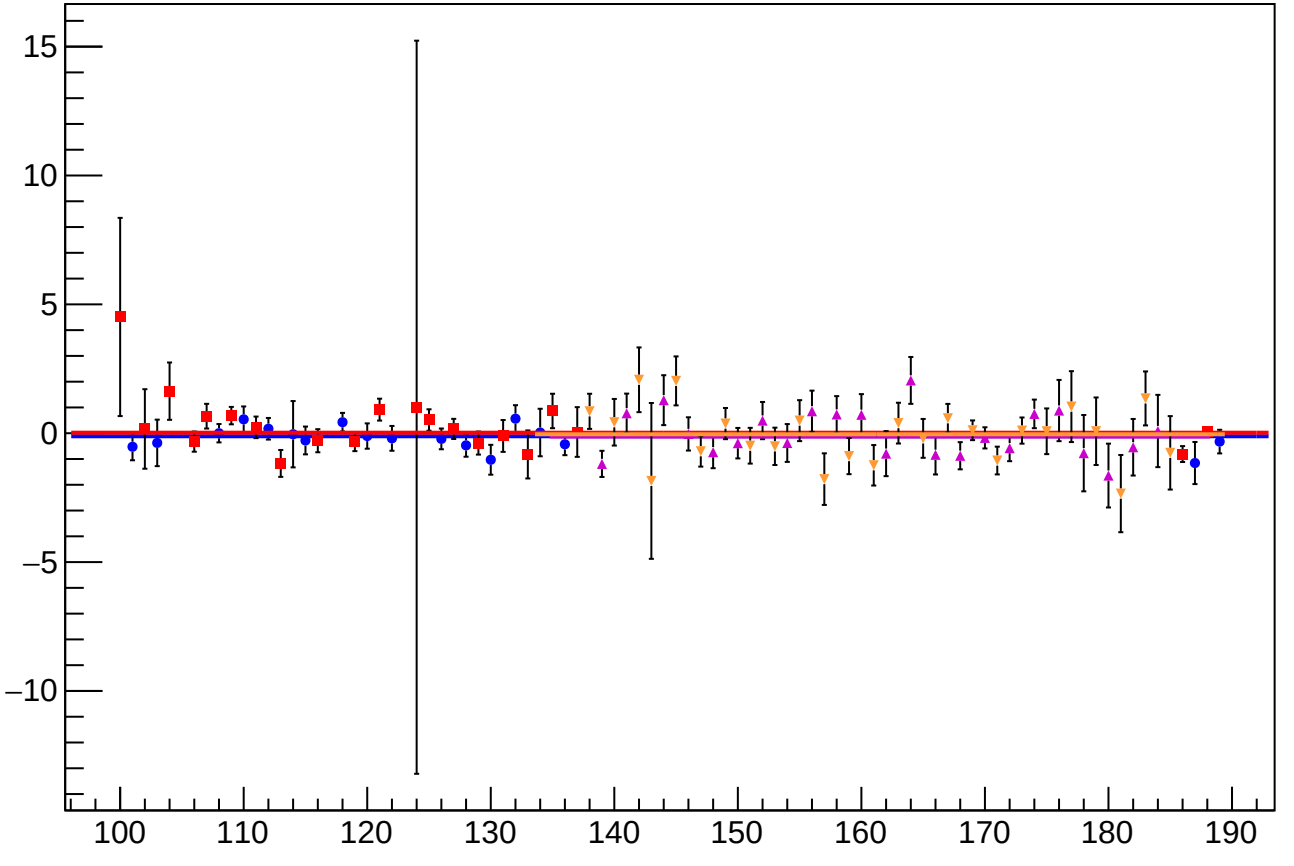
Right: 269.866+/-0.052 χ^2/NDF: 3933859.3/38

In: 418.482+/-0.064 χ^2/NDF:8374235.6/40

Out: 346.696+/-0.056 χ^2/NDF:15343223.6/45

All: 377.640+/-0.042 χ^2/NDF: 24427144.0/86

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.118+/-0.117 χ^2/NDF: 12.7/17

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

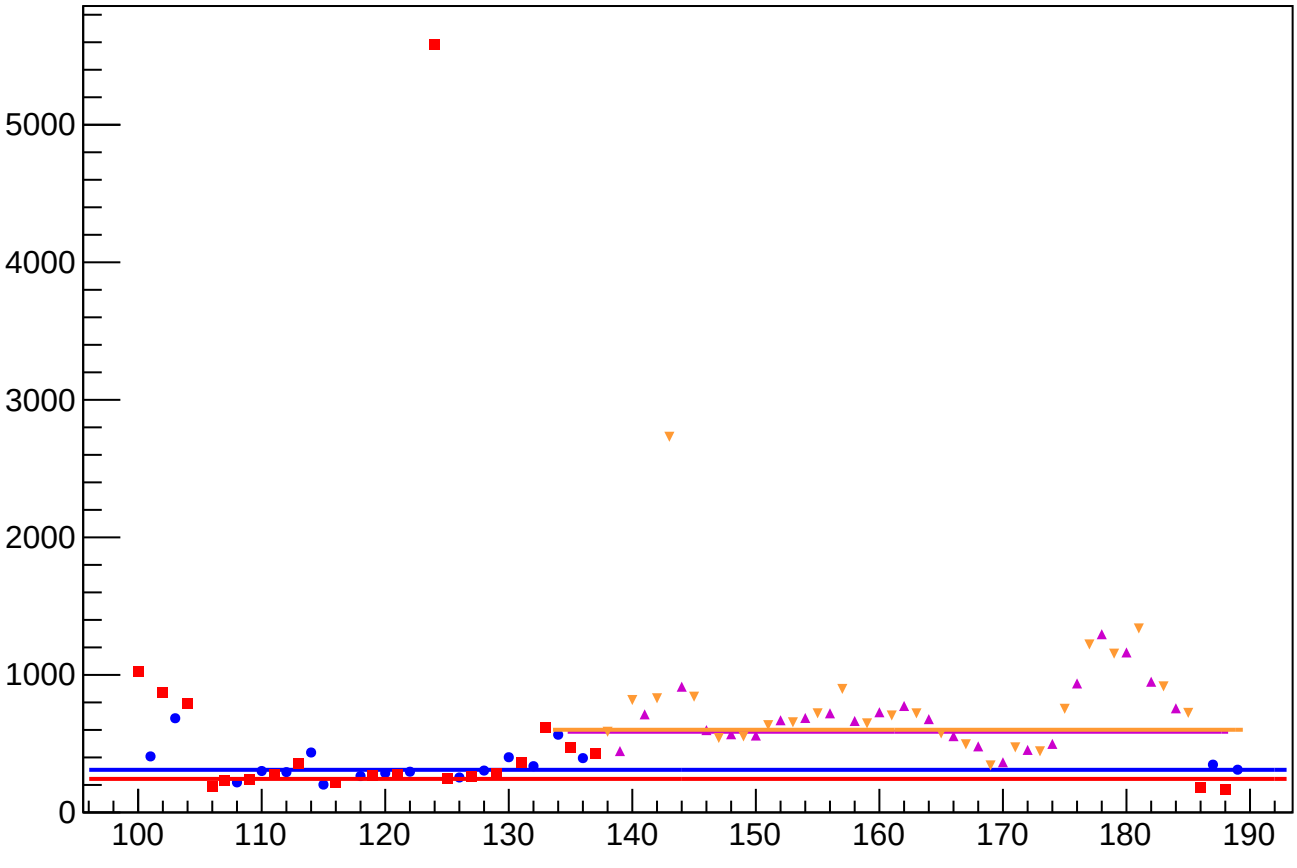
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.034+/-0.073 χ^2/NDF: 46.9/38

In: -0.122+/-0.091 χ^2/NDF:41.7/40

Out: 0.003+/-0.079 χ^2/NDF:63.6/45

All: -0.051+/-0.060 χ^2/NDF: 106.4/86



Right In: 309.992+/-0.082 χ^2/NDF: 1018935.9/17

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 243.913+/-0.066 χ^2/NDF: 2524625.3/20

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

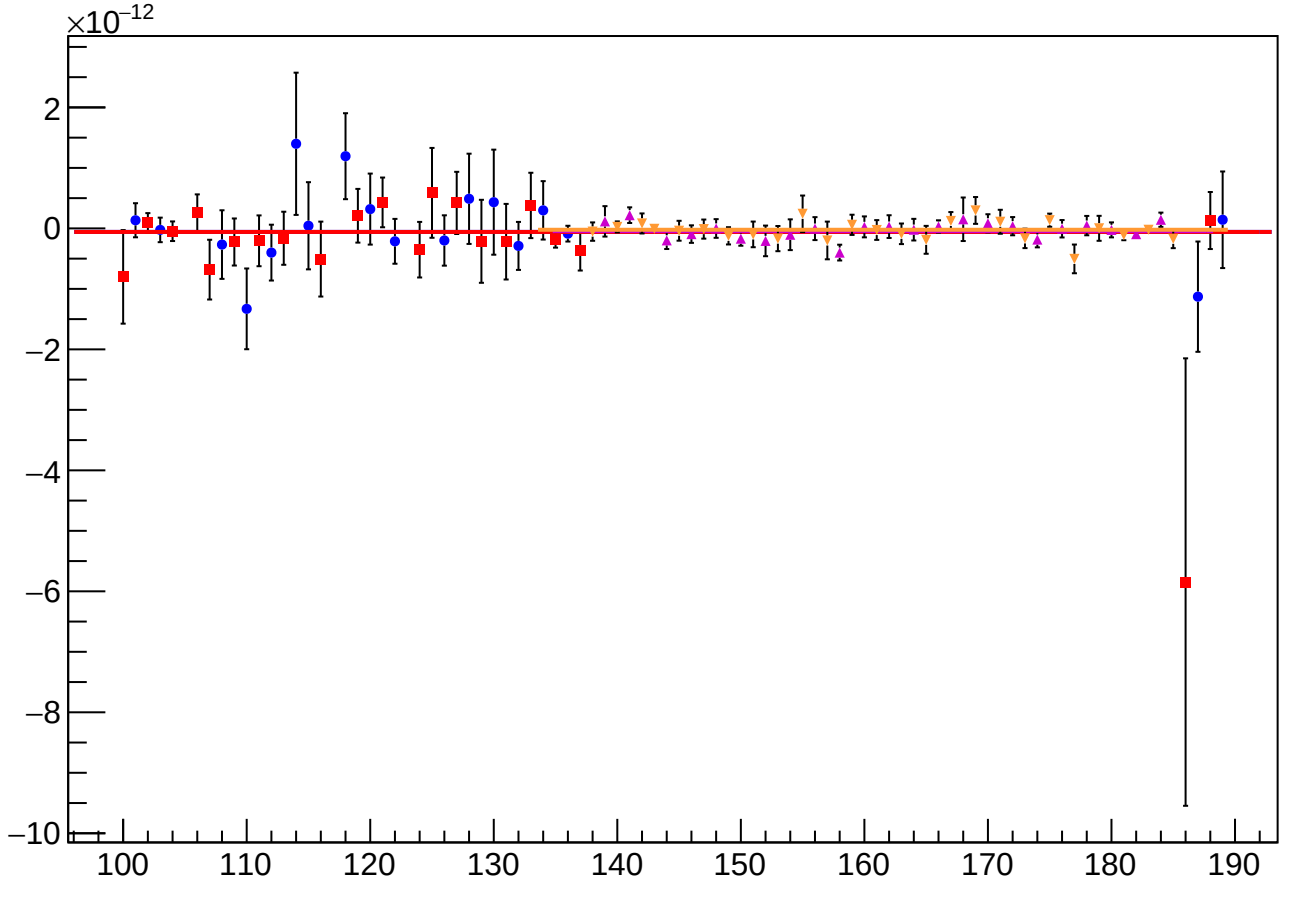
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 269.866+/-0.052 χ^2/NDF: 3933859.3/38

In: 418.482+/-0.064 χ^2/NDF:8374235.6/40

Out: 346.696+/-0.056 χ^2/NDF:15343223.6/45

All: 377.640+/-0.042 χ^2/NDF: 24427144.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 13.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/20

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

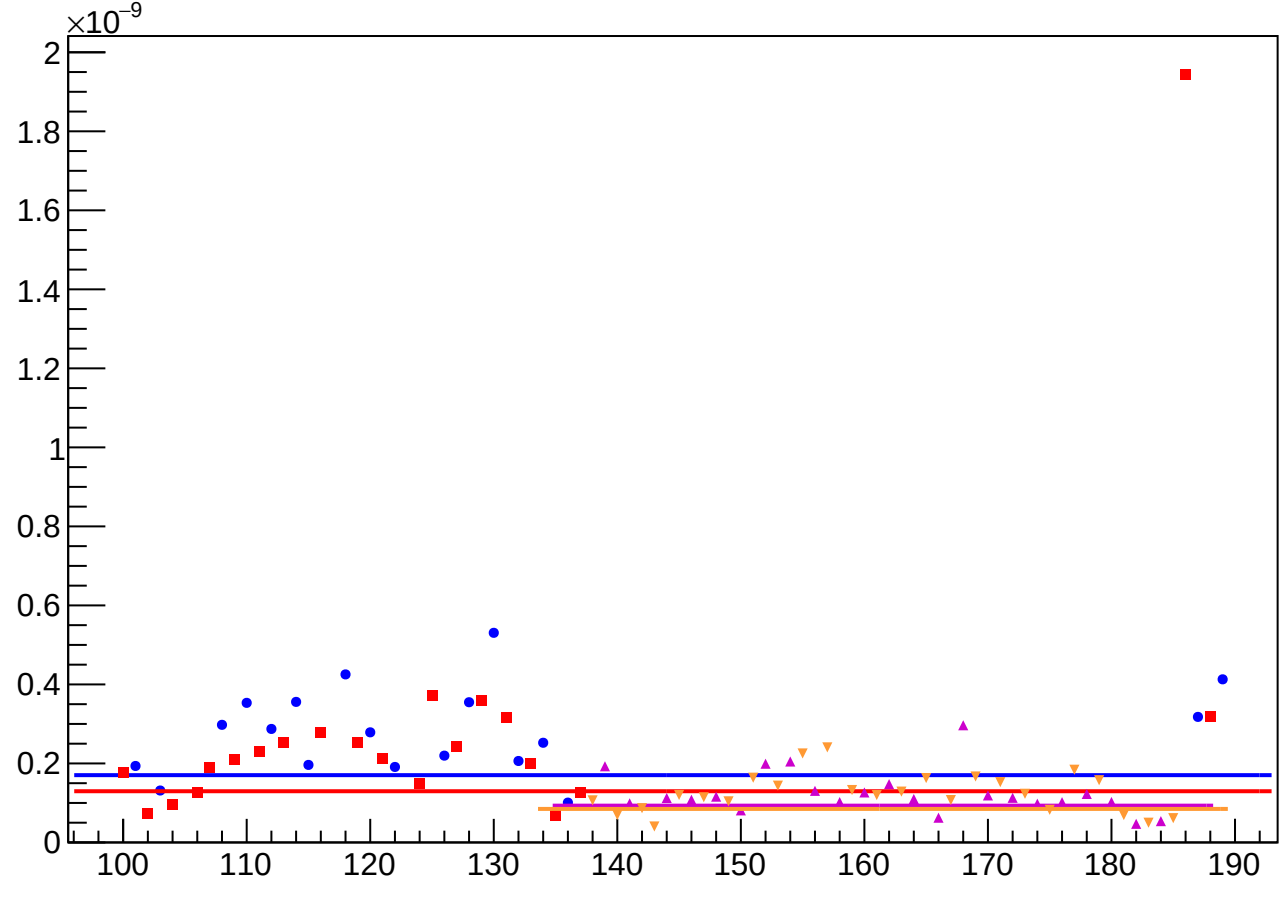
Right: -0.000+/-0.000 χ^2/NDF: 27.5/38

In: -0.000+/-0.000 χ^2/NDF:35.4/40

Out: -0.000+/-0.000 χ^2/NDF:30.6/45

All: -0.000+/-0.000 χ^2/NDF: 66.3/86

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2225516.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:5379905.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3021904.1/20

Left In: 0.000+/-0.000 χ^2/NDF:3869234.9/22

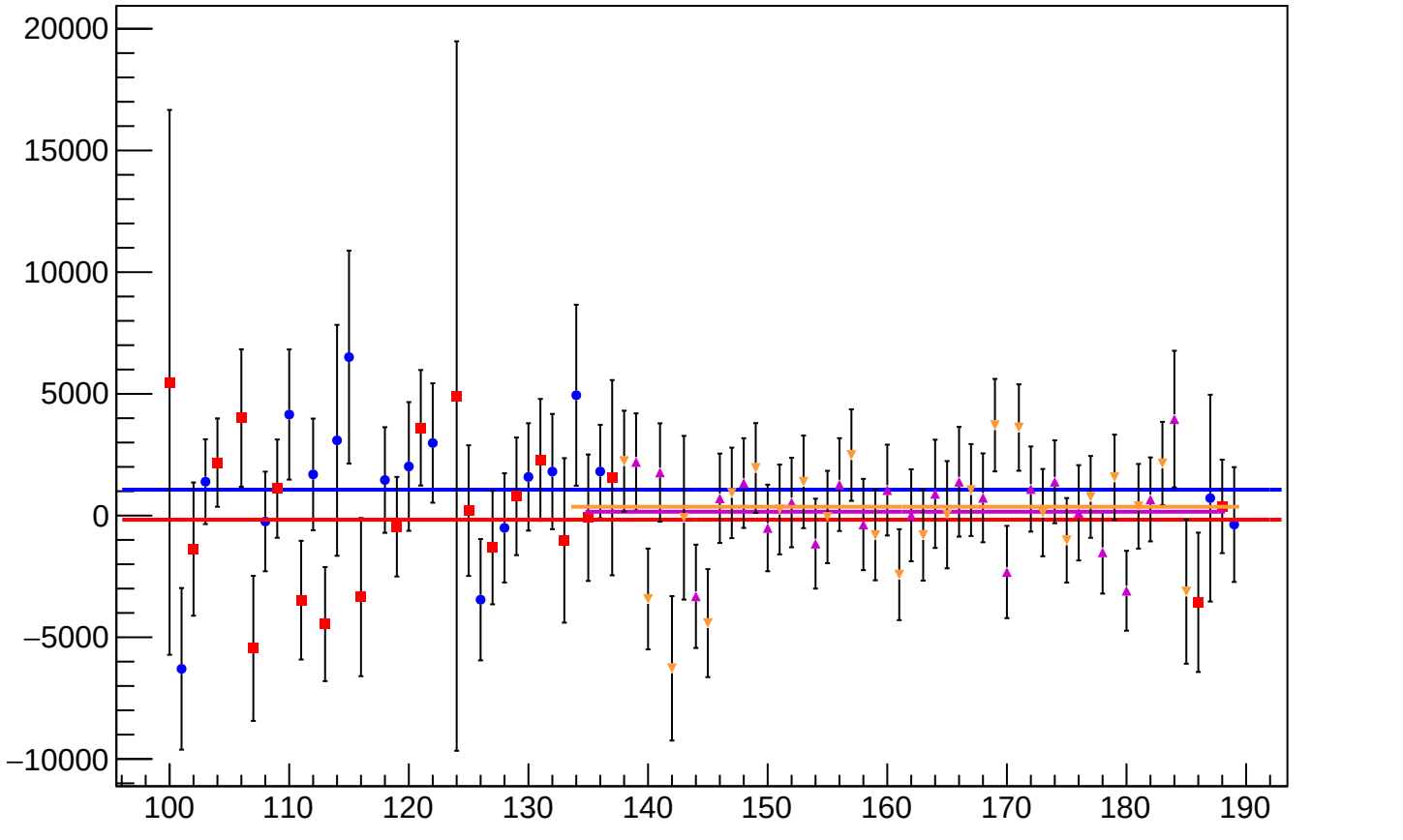
Left: 0.000+/-0.000 χ^2/NDF: 9340725.7/47

Right: 0.000+/-0.000 χ^2/NDF: 5528360.0/38

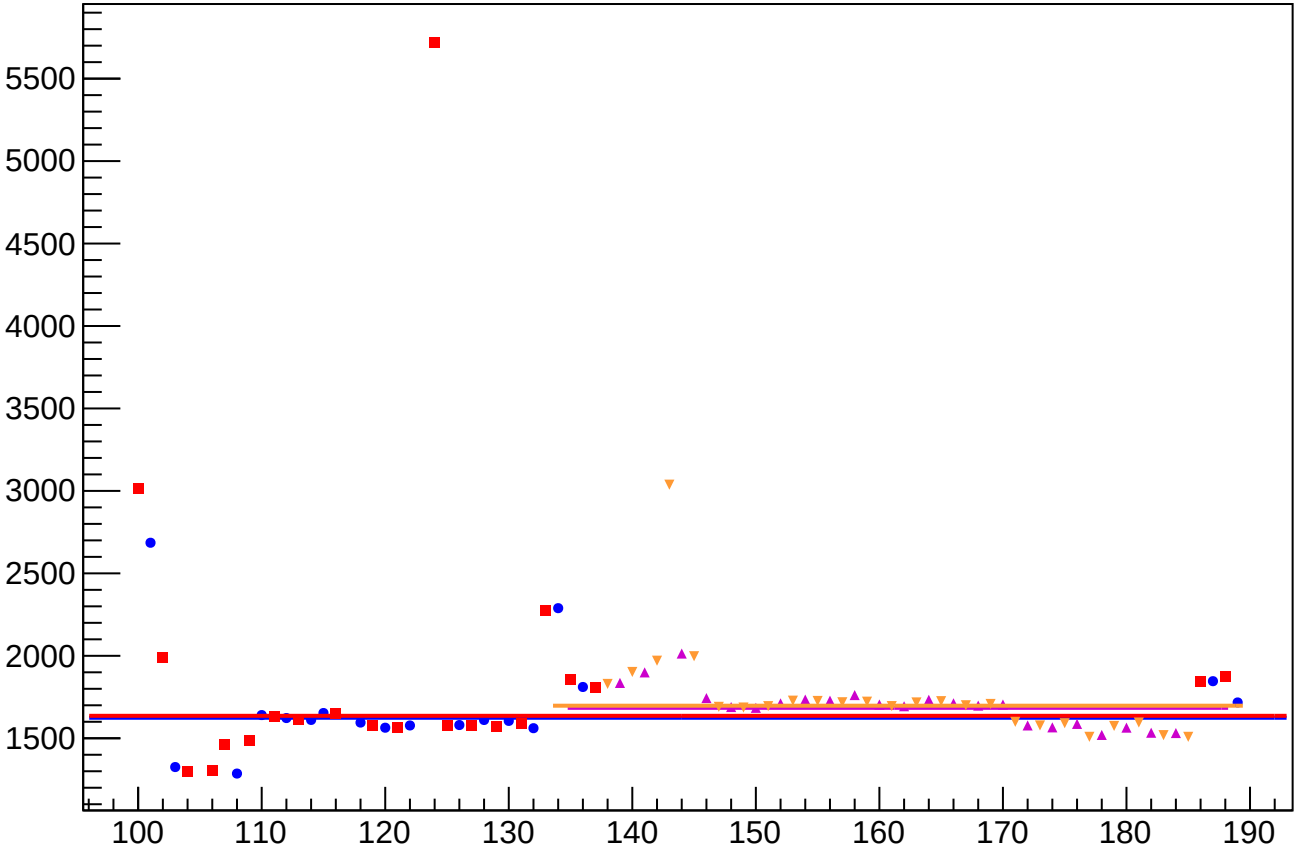
In: 0.000+/-0.000 χ^2/NDF:7622392.2/40

Out: 0.000+/-0.000 χ^2/NDF:9133220.3/45

All: 0.000+/-0.000 χ^2/NDF: 16928512.0/86


reg_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 1064.058+/-584.202 χ²/NDF: 14.8/17
Left Out: 361.645+/-388.131 χ²/NDF:29.6/24
Right Out: -169.178+/-564.304 χ²/NDF: 19.8/20
Left In: 157.028+/-394.257 χ²/NDF:16.0/22
Left: 260.939+/-276.591 χ²/NDF: 45.7/47
Right: 426.081+/-405.875 χ²/NDF: 36.9/38
In: 440.860+/-326.800 χ²/NDF:32.5/40
Out: 191.172+/-319.791 χ²/NDF:50.0/45
All: 313.309+/-228.564 χ²/NDF: 82.8/86

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.6/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472992.9/20

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

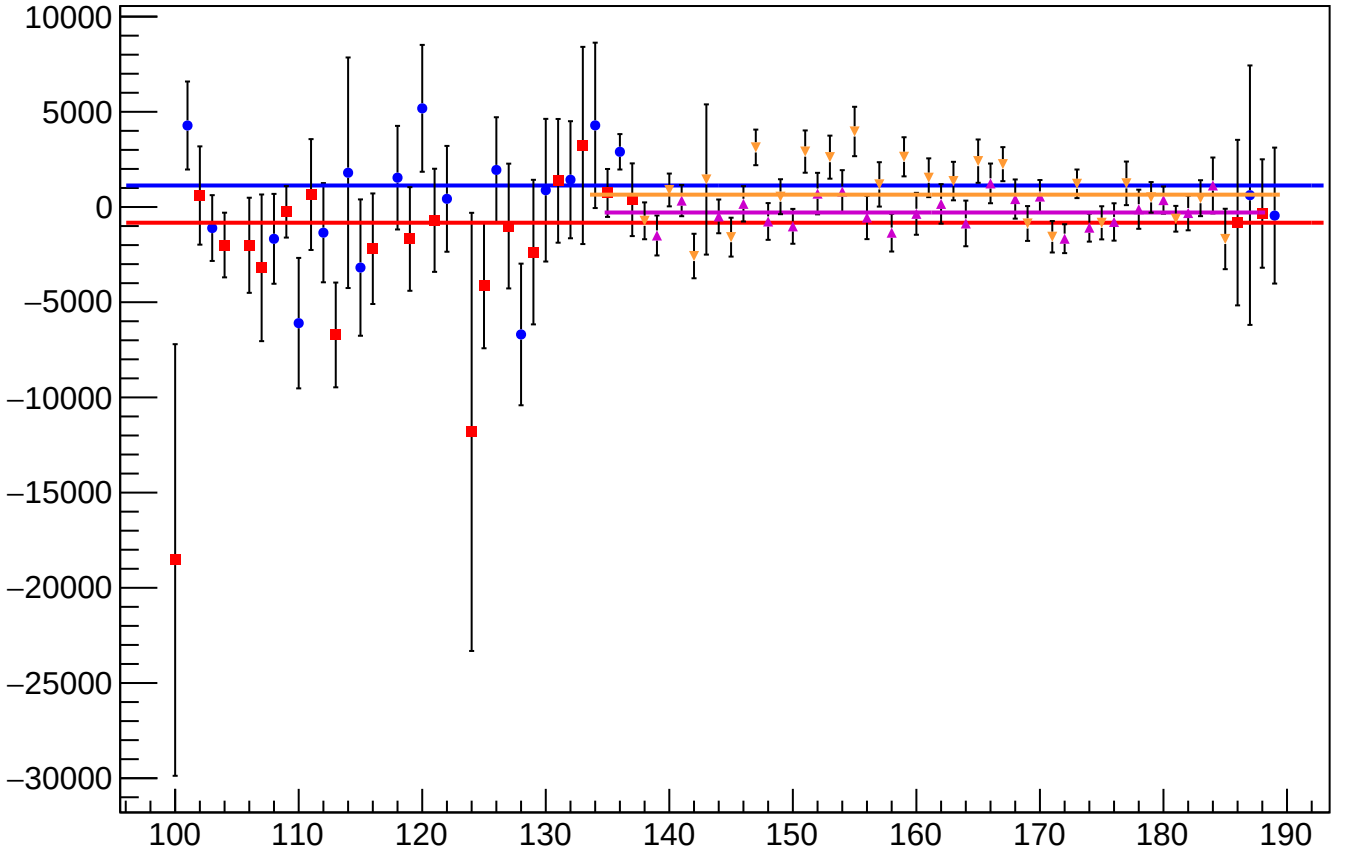
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1630.517+/-0.287 χ^2/NDF: 887268.3/38

In: 1665.753+/-0.231 χ^2/NDF:593779.6/40

Out: 1677.812+/-0.226 χ^2/NDF:984408.0/45

All: 1671.913+/-0.162 χ^2/NDF: 1579578.6/86



Right In: 1130.237+/-569.593 χ^2/NDF: 22.2/17

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -825.244+/-542.775 χ^2/NDF: 14.3/20

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

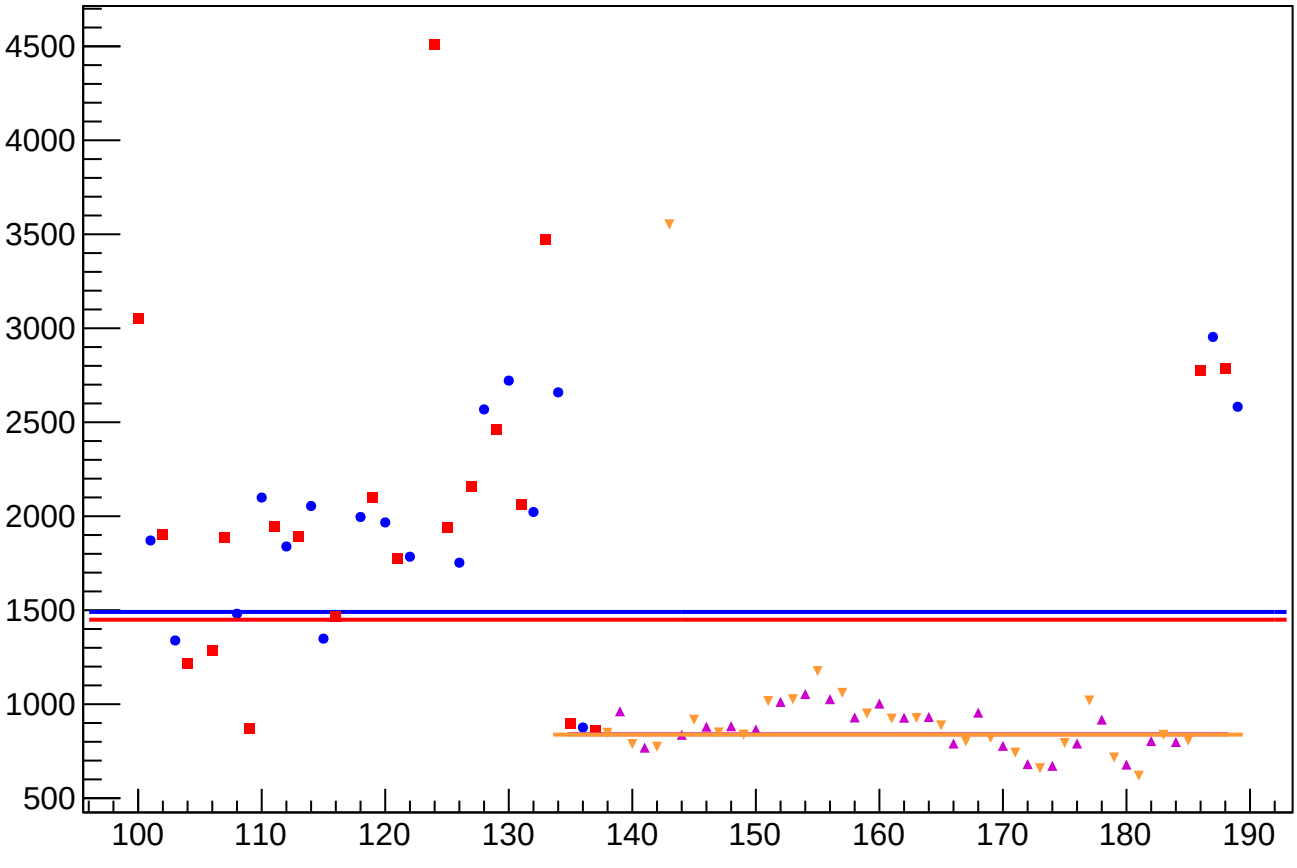
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 105.378+/-392.939 χ^2/NDF: 42.7/38

In: -134.968+/-187.439 χ^2/NDF:44.3/40

Out: 479.588+/-184.075 χ^2/NDF:86.3/45

All: 177.875+/-131.334 χ^2/NDF: 136.1/86



Right In: 1490.906+/-0.403 χ^2/NDF: 2079139.6/17

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1449.513+/-0.384 χ^2/NDF: 2793457.5/20

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

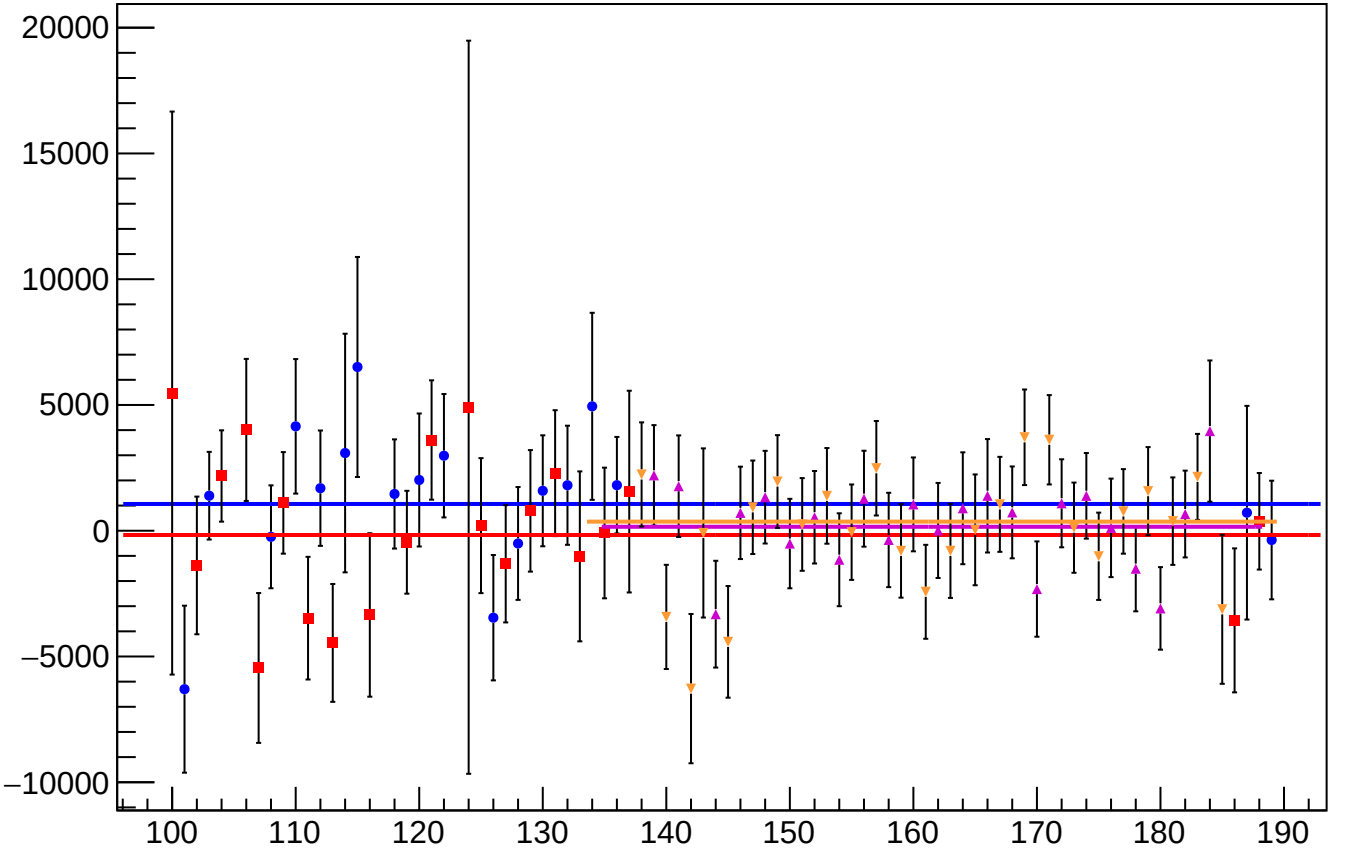
Right: 1469.212+/-0.278 χ^2/NDF: 4878132.8/38

In: 910.465+/-0.133 χ^2/NDF:5077606.1/40

Out: 908.547+/-0.130 χ^2/NDF:6838588.0/45

All: 909.489+/-0.093 χ^2/NDF: 11916300.7/86

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1063.963+/-584.202 χ^2/NDF: 14.8/17

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -169.470+/-564.304 χ^2/NDF: 19.8/20

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

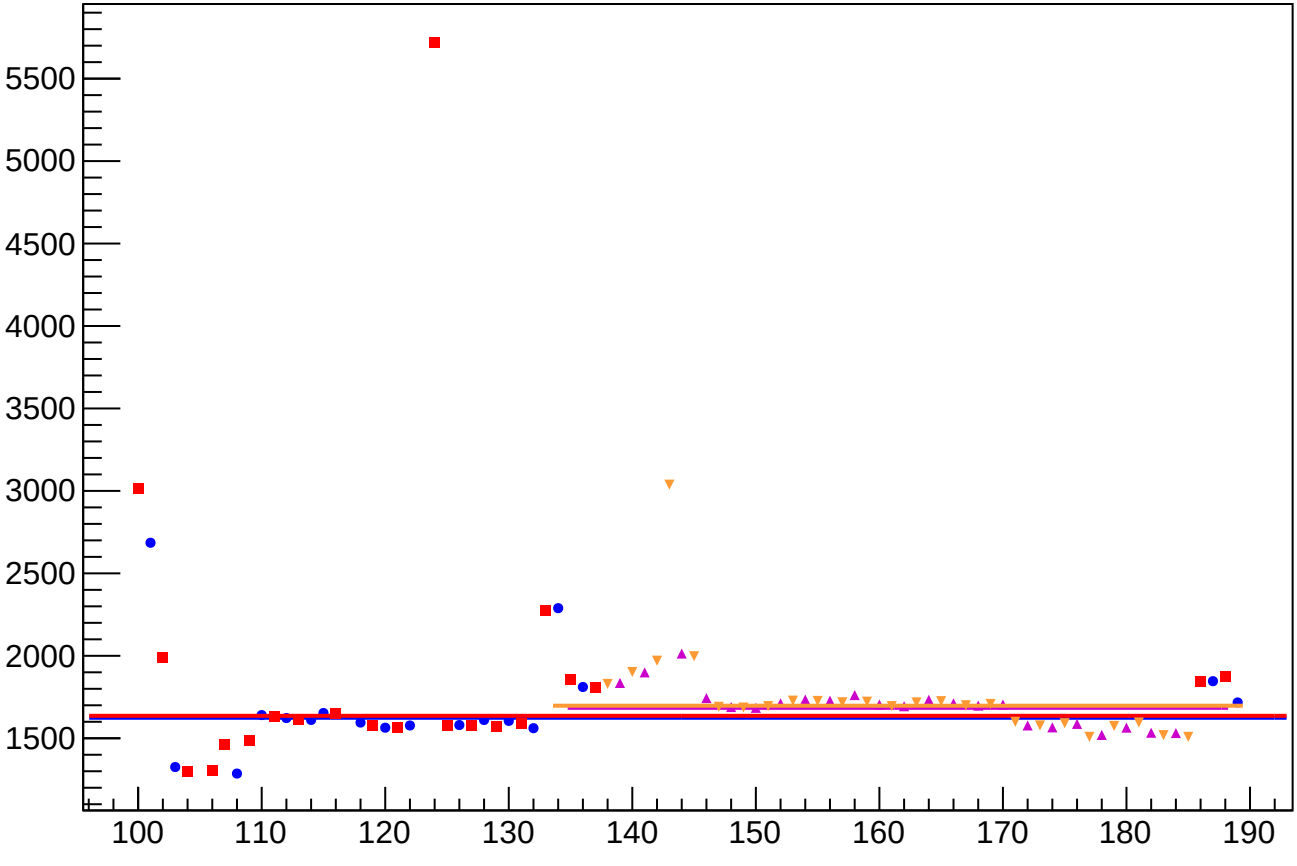
Right: 425.884+/-405.875 χ^2/NDF: 36.9/38

In: 440.765+/-326.800 χ^2/NDF:32.5/40

Out: 191.021+/-319.791 χ^2/NDF:50.0/45

All: 313.186+/-228.564 χ^2/NDF: 82.8/86

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.9/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472993.0/20

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

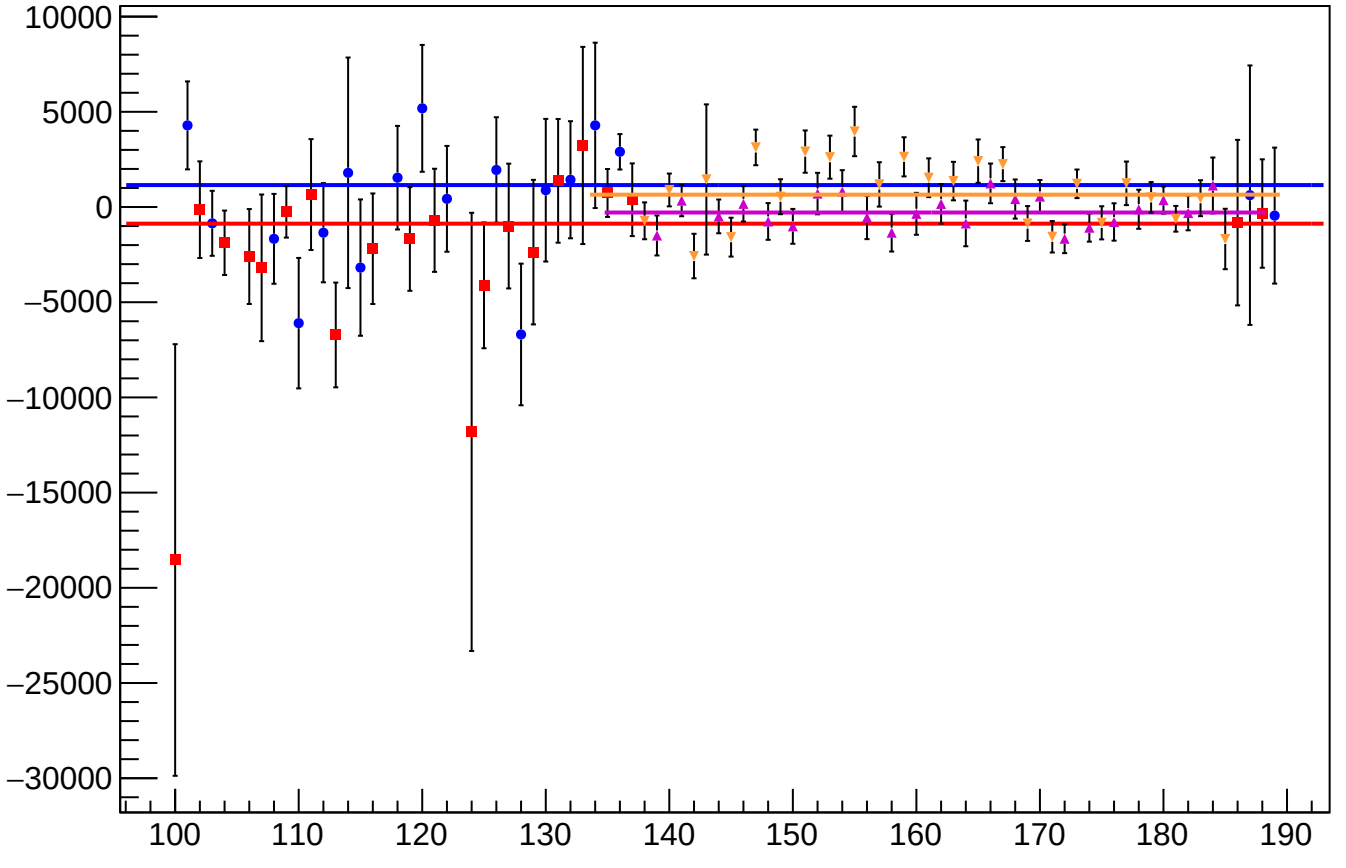
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1630.517+/-0.287 χ^2/NDF: 887268.6/38

In: 1665.753+/-0.231 χ^2/NDF:593779.9/40

Out: 1677.812+/-0.226 χ^2/NDF:984408.1/45

All: 1671.913+/-0.162 χ^2/NDF: 1579579.0/86



Right In: 1152.469+/-568.811 χ^2/NDF: 21.9/17

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -874.236+/-542.062 χ^2/NDF: 14.2/20

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

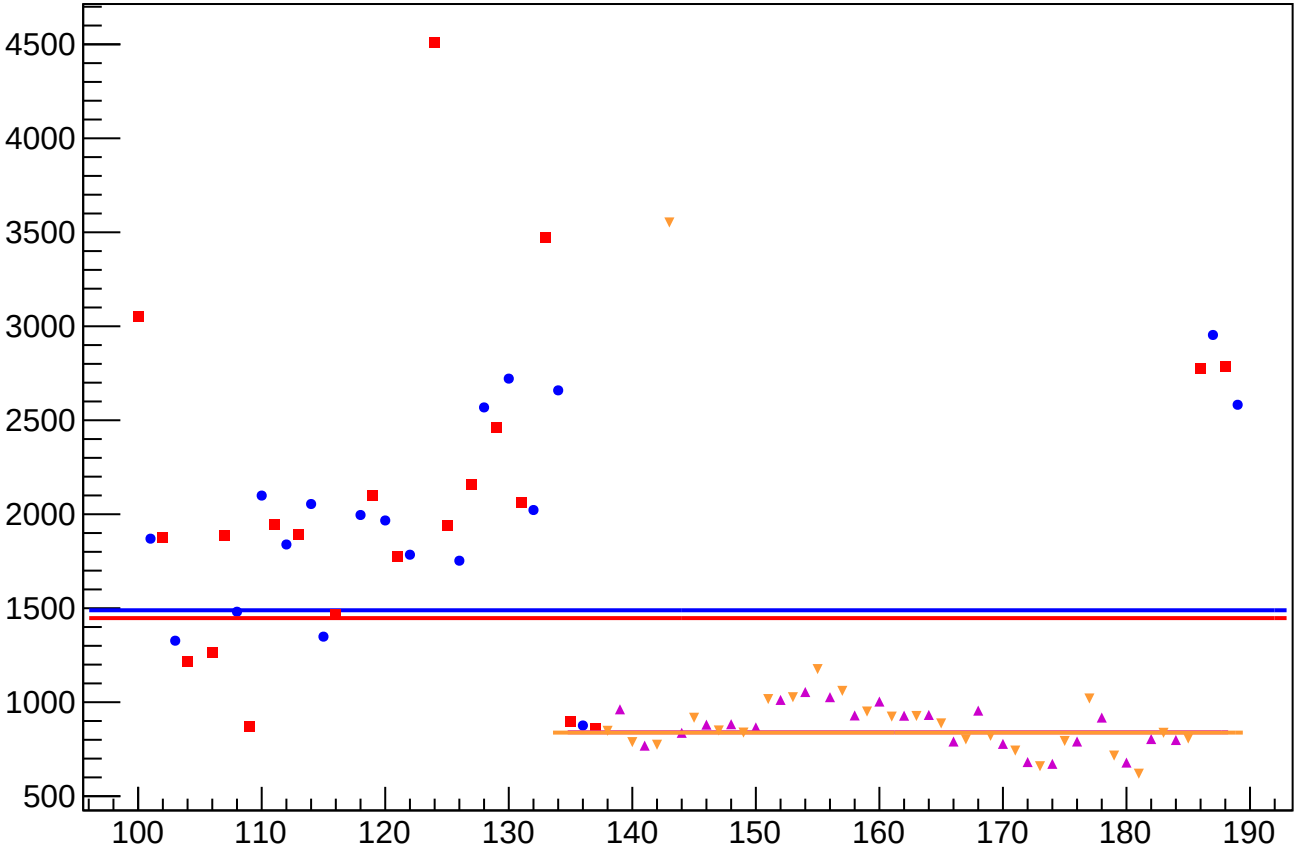
Right: 90.343+/-392.411 χ^2/NDF: 42.8/38

In: -132.164+/-187.411 χ^2/NDF:44.2/40

Out: 473.542+/-184.049 χ^2/NDF:86.8/45

All: 176.171+/-131.315 χ^2/NDF: 136.2/86

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1489.161+/-0.402 χ^2/NDF: 2081793.8/17

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1447.394+/-0.383 χ^2/NDF: 2791113.2/20

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

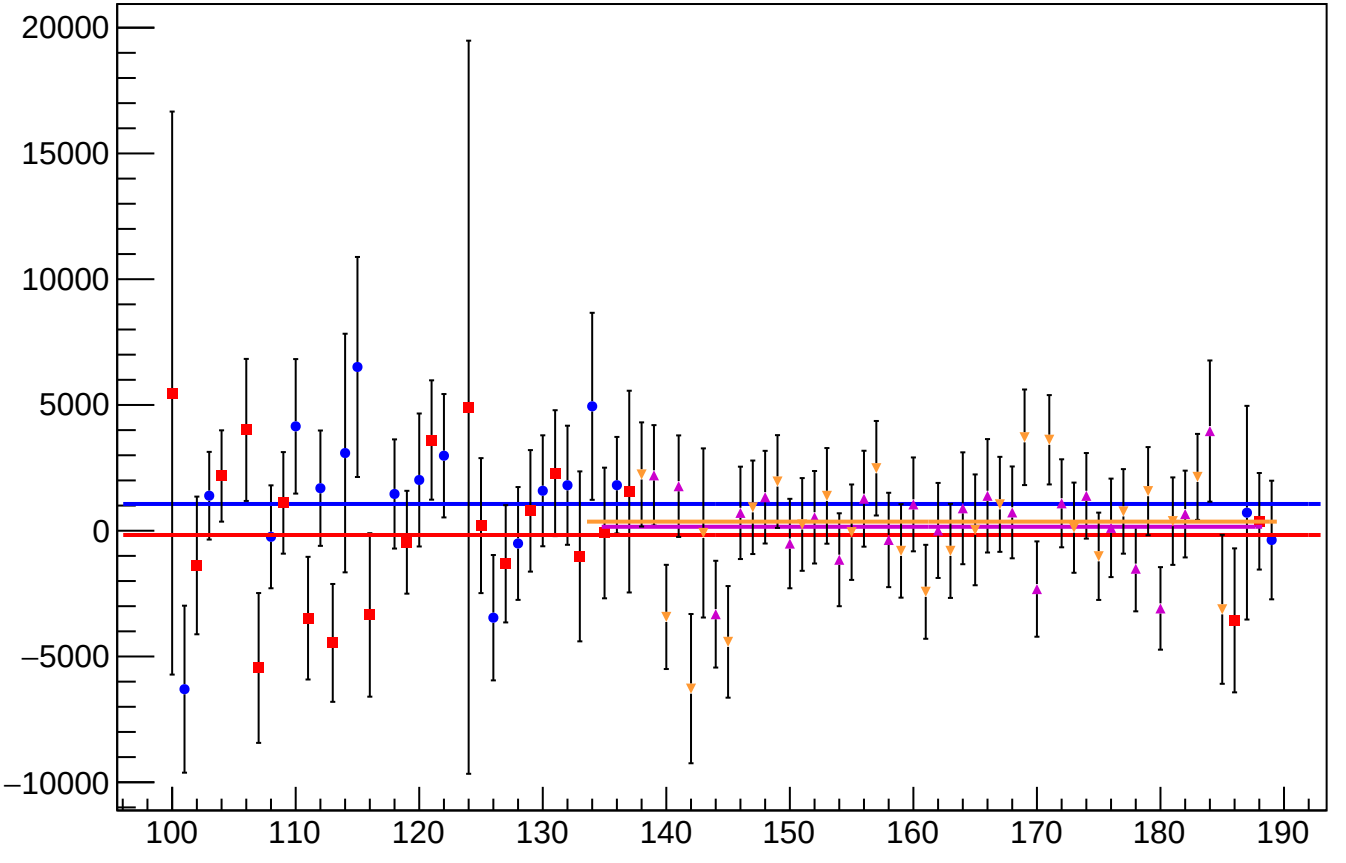
Right: 1467.272+/-0.277 χ^2/NDF: 4878558.2/38

In: 910.451+/-0.133 χ^2/NDF:5073447.4/40

Out: 908.478+/-0.130 χ^2/NDF:6825701.7/45

All: 909.447+/-0.093 χ^2/NDF: 11899261.9/86

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1063.963+/-584.202 χ^2/NDF: 14.8/17

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -169.470+/-564.304 χ^2/NDF: 19.8/20

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

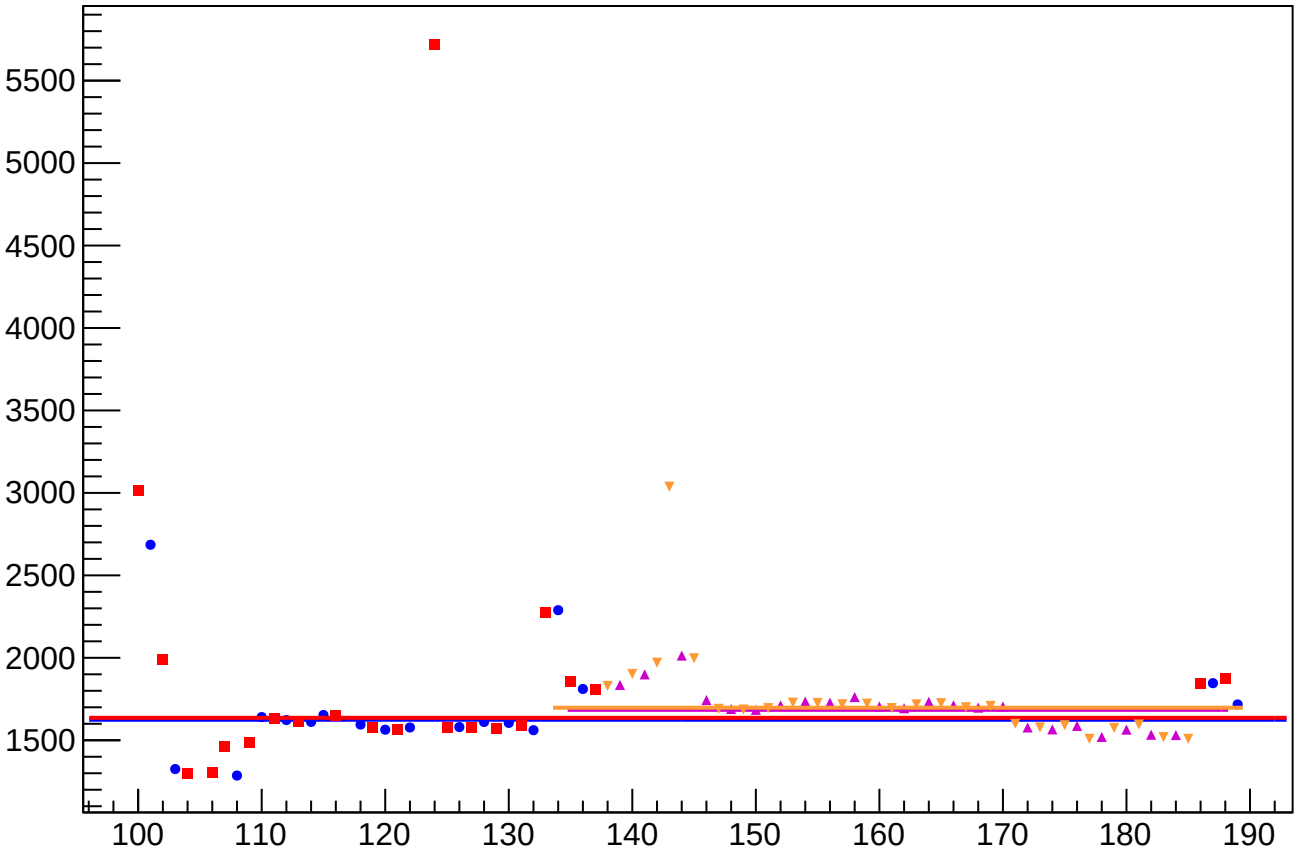
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 425.884+/-405.875 χ^2/NDF: 36.9/38

In: 440.765+/-326.800 χ^2/NDF:32.5/40

Out: 191.021+/-319.791 χ^2/NDF:50.0/45

All: 313.186+/-228.564 χ^2/NDF: 82.8/86



Right In: 1624.423+/-0.413 χ^2/NDF: 413854.9/17

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472993.0/20

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

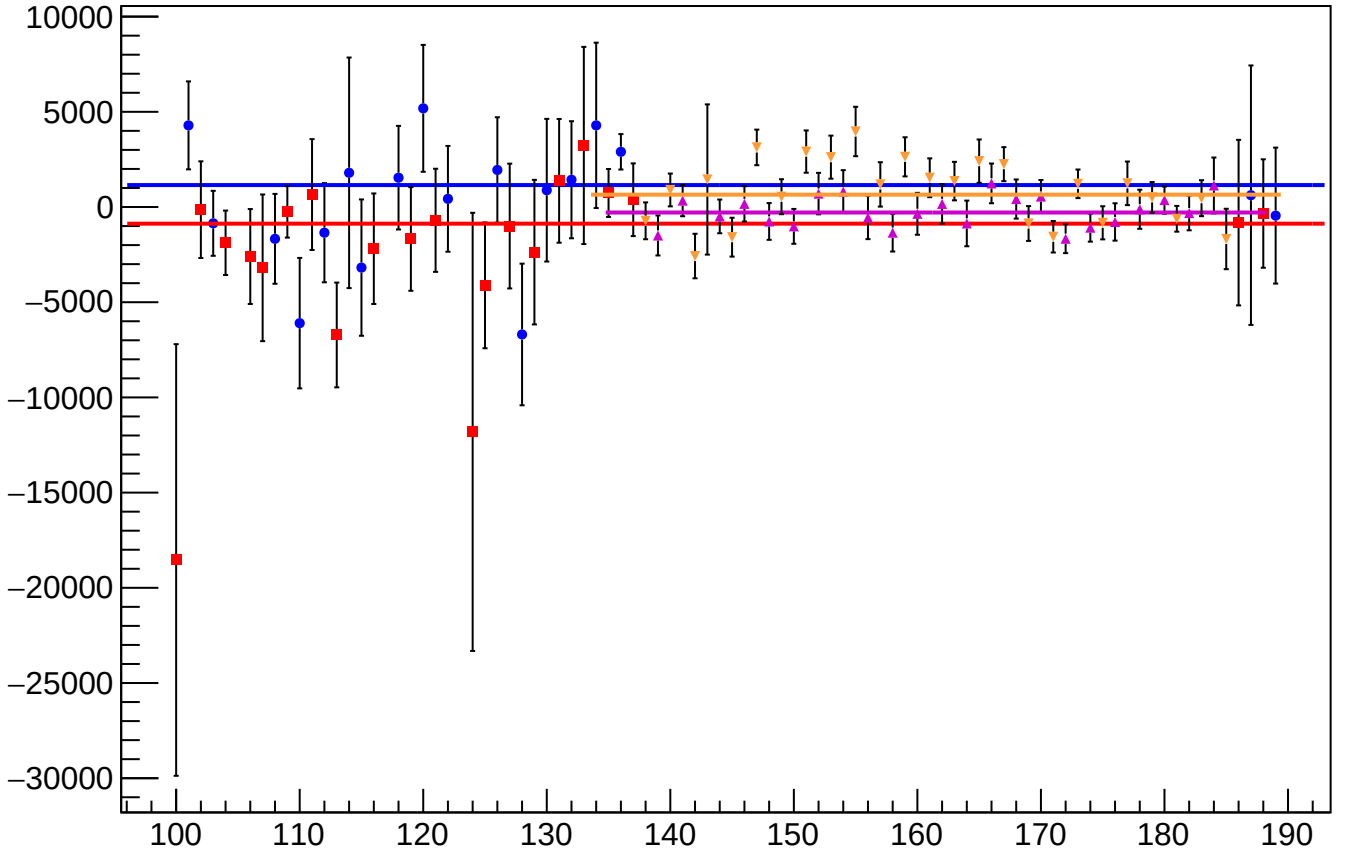
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1630.517+/-0.287 χ^2/NDF: 887268.6/38

In: 1665.753+/-0.231 χ^2/NDF:593779.9/40

Out: 1677.812+/-0.226 χ^2/NDF:984408.1/45

All: 1671.913+/-0.162 χ^2/NDF: 1579579.0/86



Right In: 1152.469+/-568.811 χ^2/NDF: 21.9/17

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -874.236+/-542.062 χ^2/NDF: 14.2/20

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

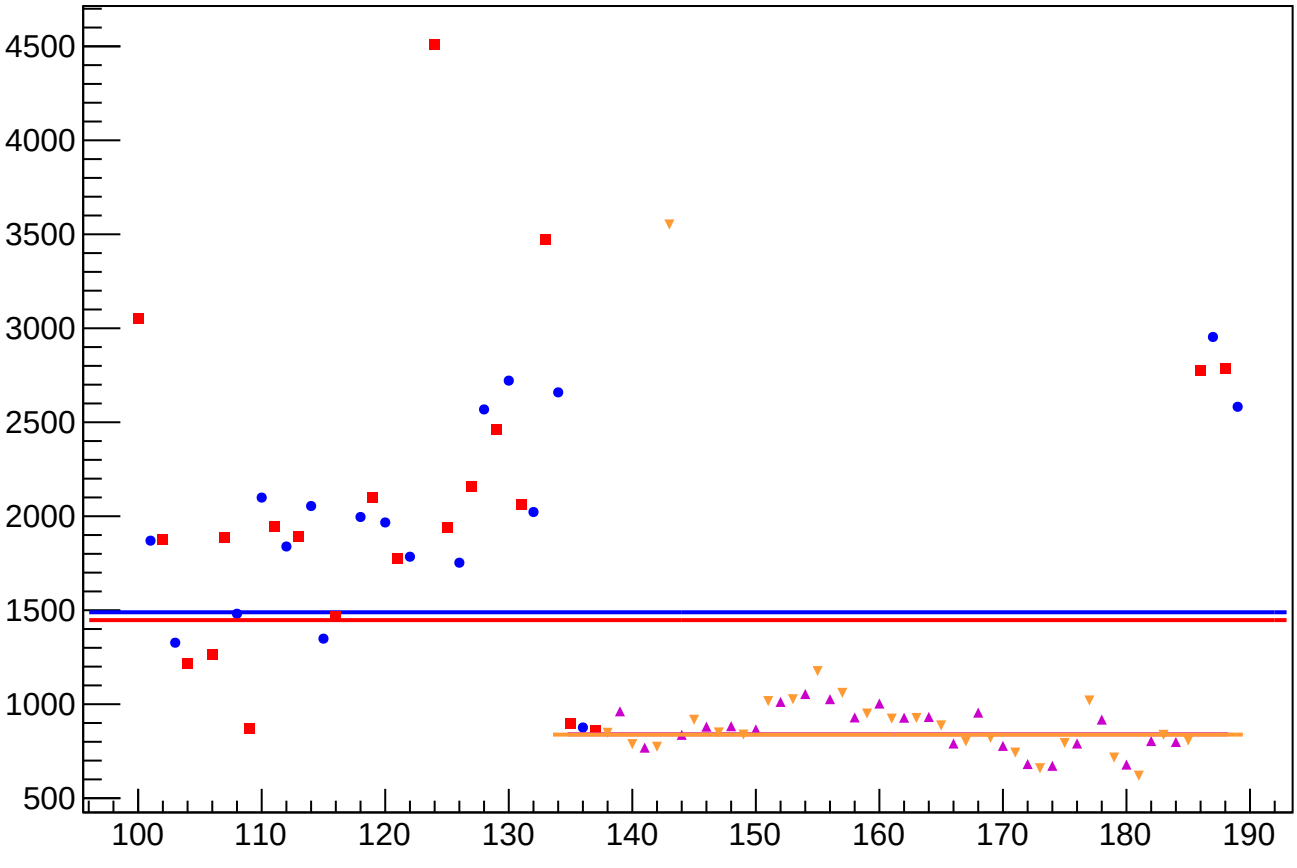
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 90.343+/-392.411 χ^2/NDF: 42.8/38

In: -132.164+/-187.411 χ^2/NDF:44.2/40

Out: 473.542+/-184.049 χ^2/NDF:86.8/45

All: 176.171+/-131.315 χ^2/NDF: 136.2/86



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Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1447.394+/-0.383 χ^2/NDF: 2791113.2/20

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

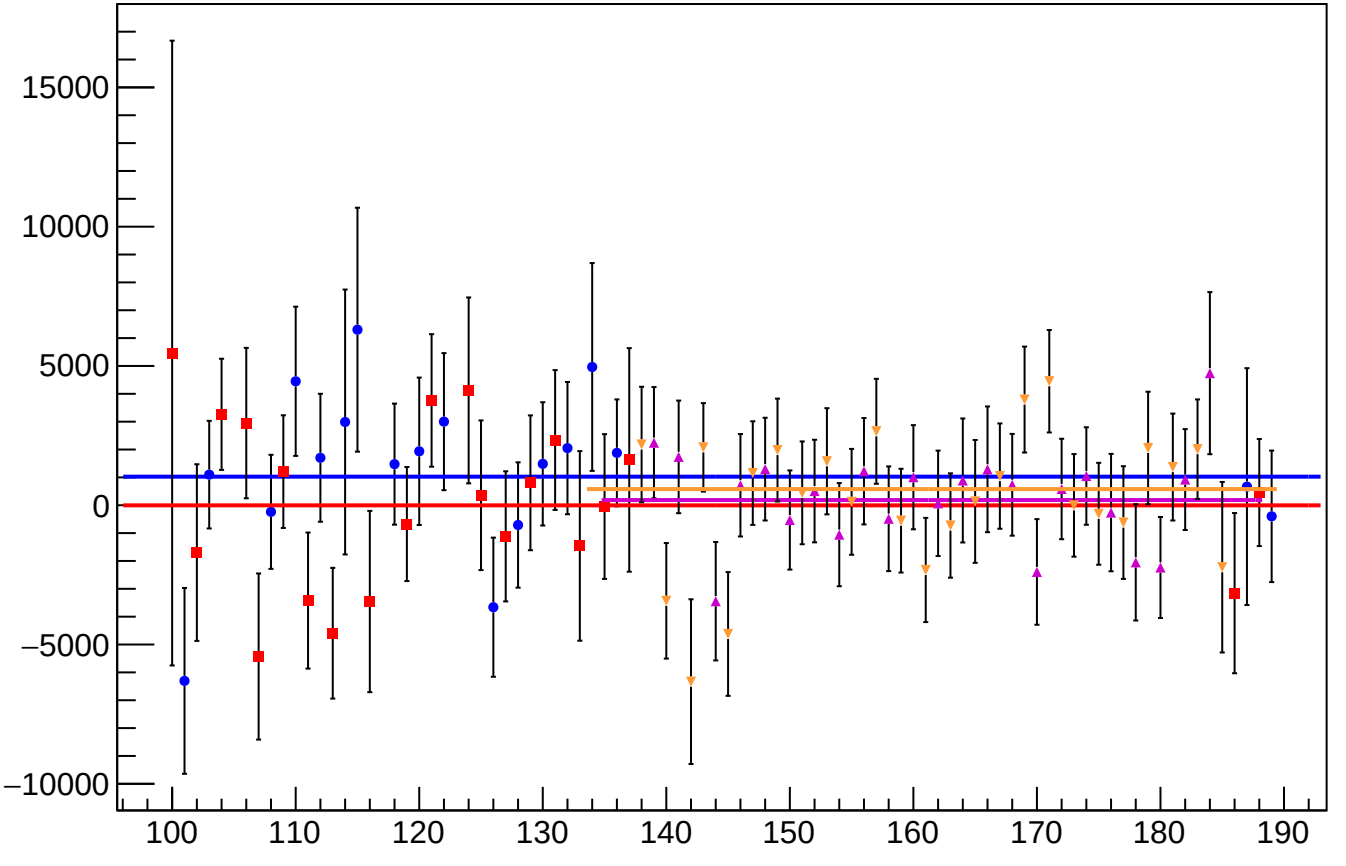
Right: 1467.272+/-0.277 χ^2/NDF: 4878558.2/38

In: 910.451+/-0.133 χ^2/NDF:5073447.4/40

Out: 908.478+/-0.130 χ^2/NDF:6825701.7/45

All: 909.447+/-0.093 χ^2/NDF: 11899261.9/86

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1025.890+/-591.357 χ^2/NDF: 15.4/17

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -4.067+/-564.208 χ^2/NDF: 22.0/20

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

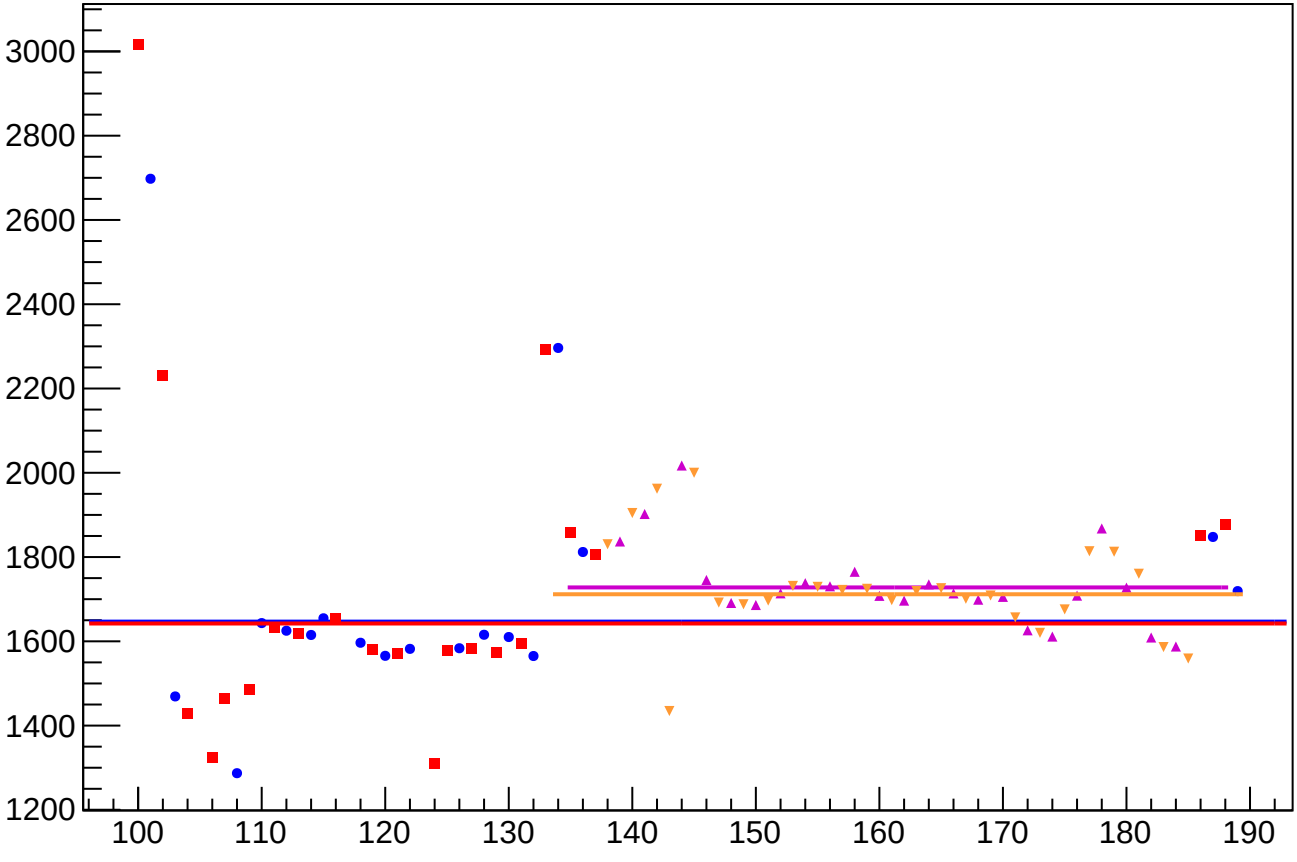
Right: 486.727+/-408.216 χ^2/NDF: 38.9/38

In: 453.234+/-333.638 χ^2/NDF:31.2/40

Out: 391.513+/-320.687 χ^2/NDF:54.6/45

All: 421.153+/-231.203 χ^2/NDF: 85.8/86

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1646.760+/-0.418 χ^2/NDF: 368210.3/17

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1642.292+/-0.399 χ^2/NDF: 326782.2/20

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

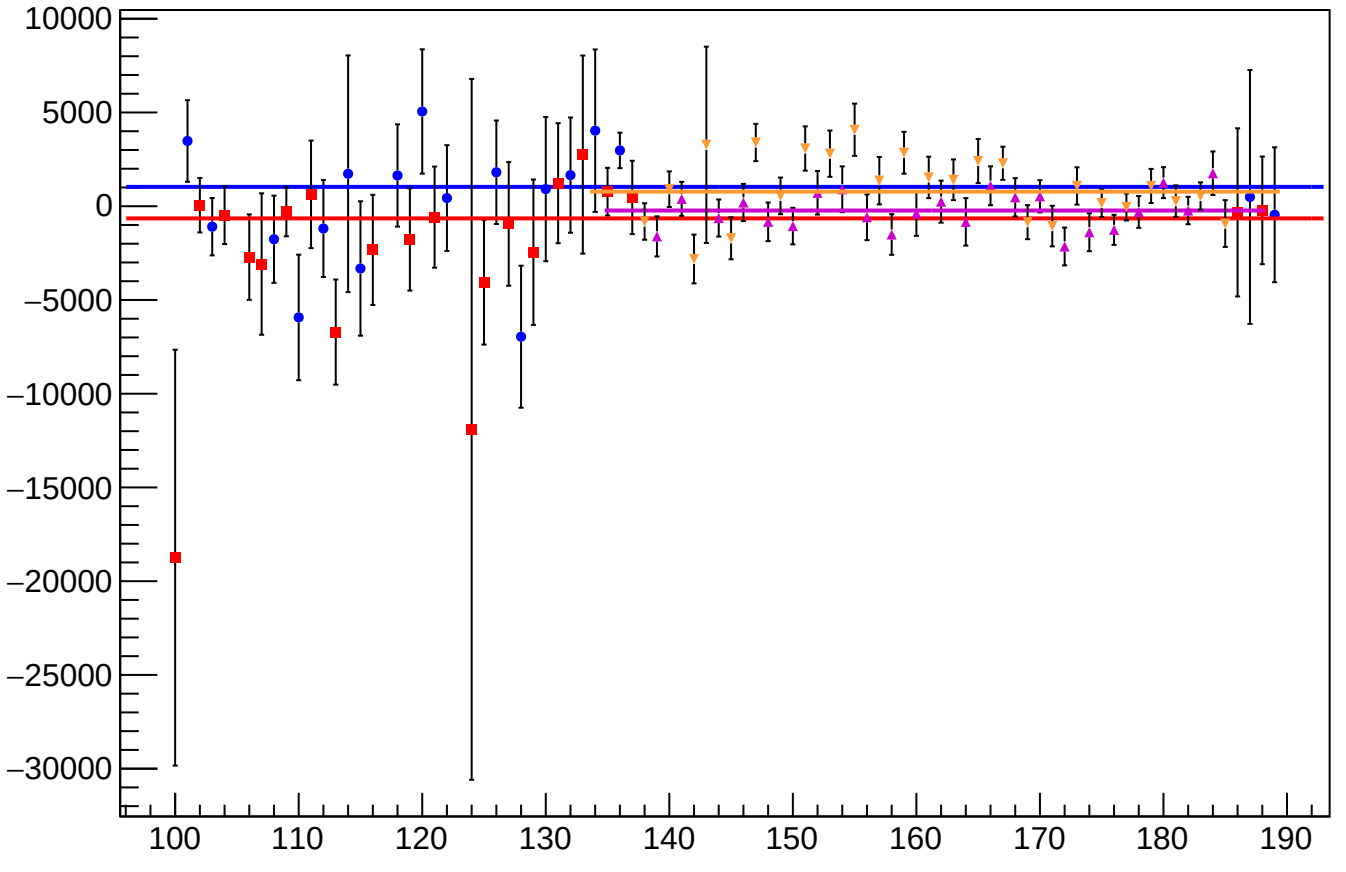
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1644.421+/-0.289 χ^2/NDF: 695052.4/38

In: 1702.081+/-0.236 χ^2/NDF:494112.6/40

Out: 1689.285+/-0.227 χ^2/NDF:515284.7/45

All: 1695.430+/-0.163 χ^2/NDF: 1010926.4/86



Right In: 1032.217+/-562.577 χ^2/NDF: 22.2/17

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -649.201+/-511.626 χ^2/NDF: 13.6/20

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

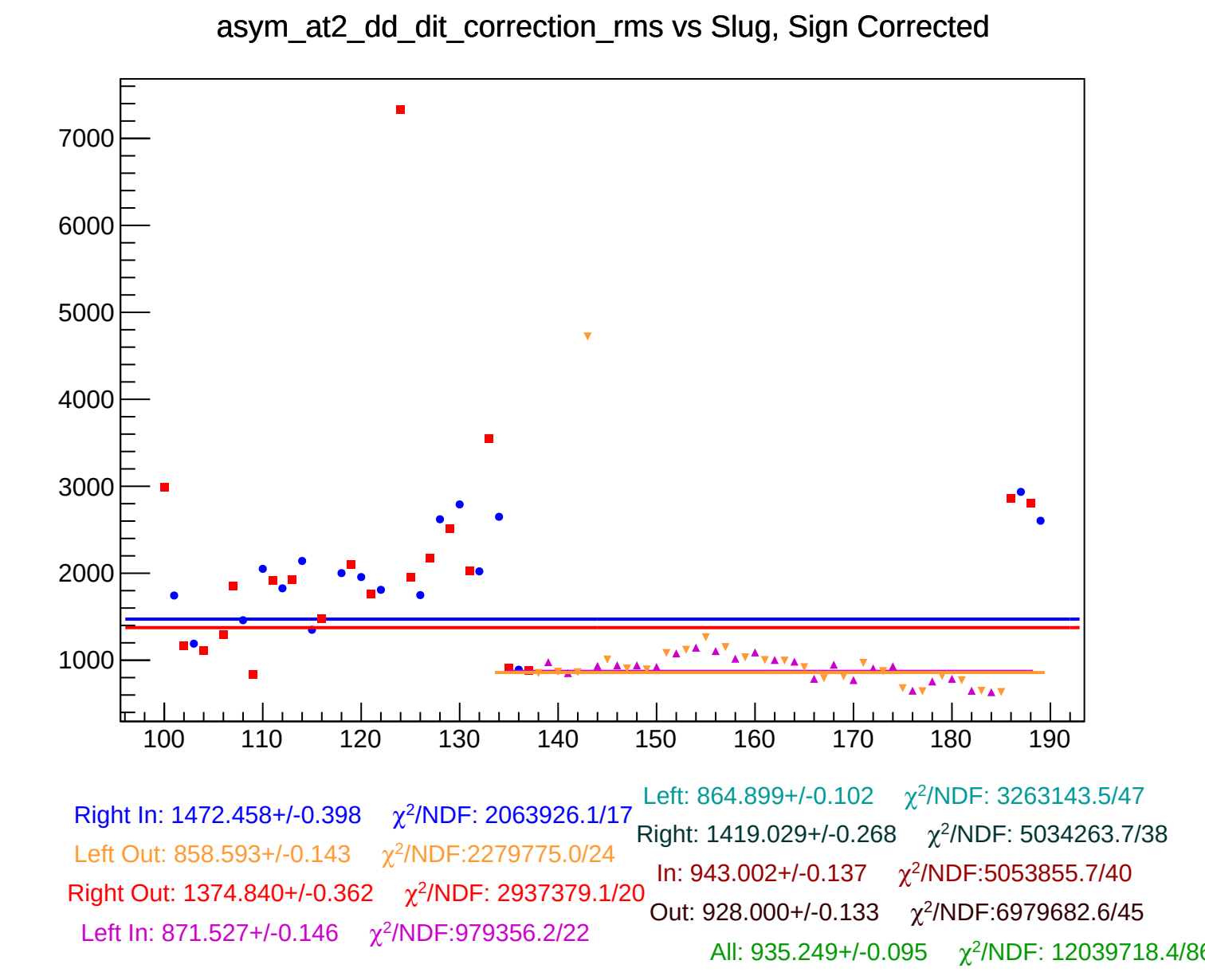
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 111.934+/-378.508 χ^2/NDF: 40.7/38

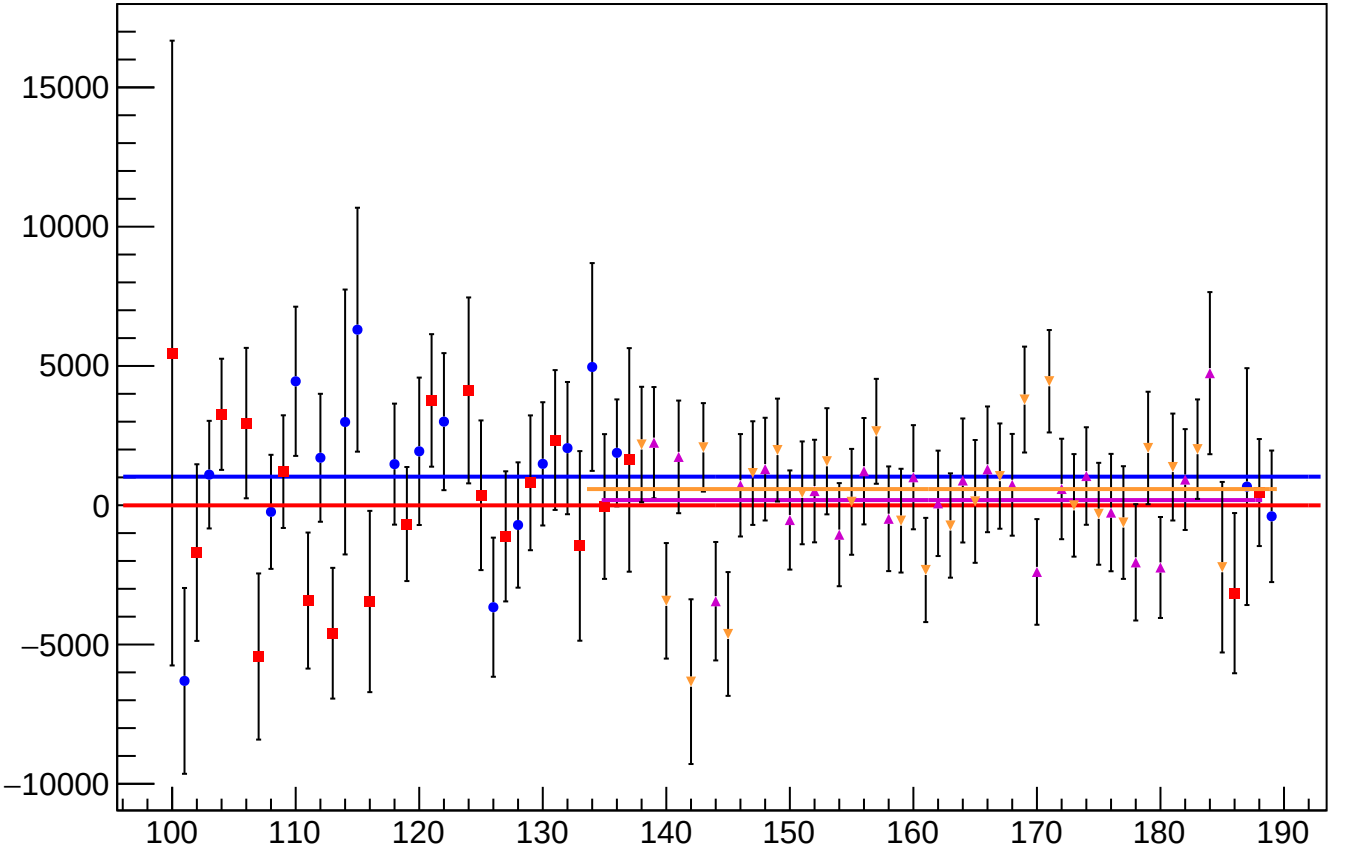
In: -78.881+/-194.021 χ^2/NDF:49.3/40

Out: 586.962+/-187.597 χ^2/NDF:74.9/45

All: 265.246+/-134.865 χ^2/NDF: 130.2/86


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1472.458+/-0.398 χ²/NDF: 2063926.1/17
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1374.840+/-0.362 χ²/NDF: 2937379.1/20
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1419.029+/-0.268 χ²/NDF: 5034263.7/38
In: 943.002+/-0.137 χ²/NDF:5053855.7/40
Out: 928.000+/-0.133 χ²/NDF:6979682.6/45
All: 935.249+/-0.095 χ²/NDF: 12039718.4/86

eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1025.891+/-591.357 χ^2/NDF: 15.4/17

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -4.064+/-564.208 χ^2/NDF: 22.0/20

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

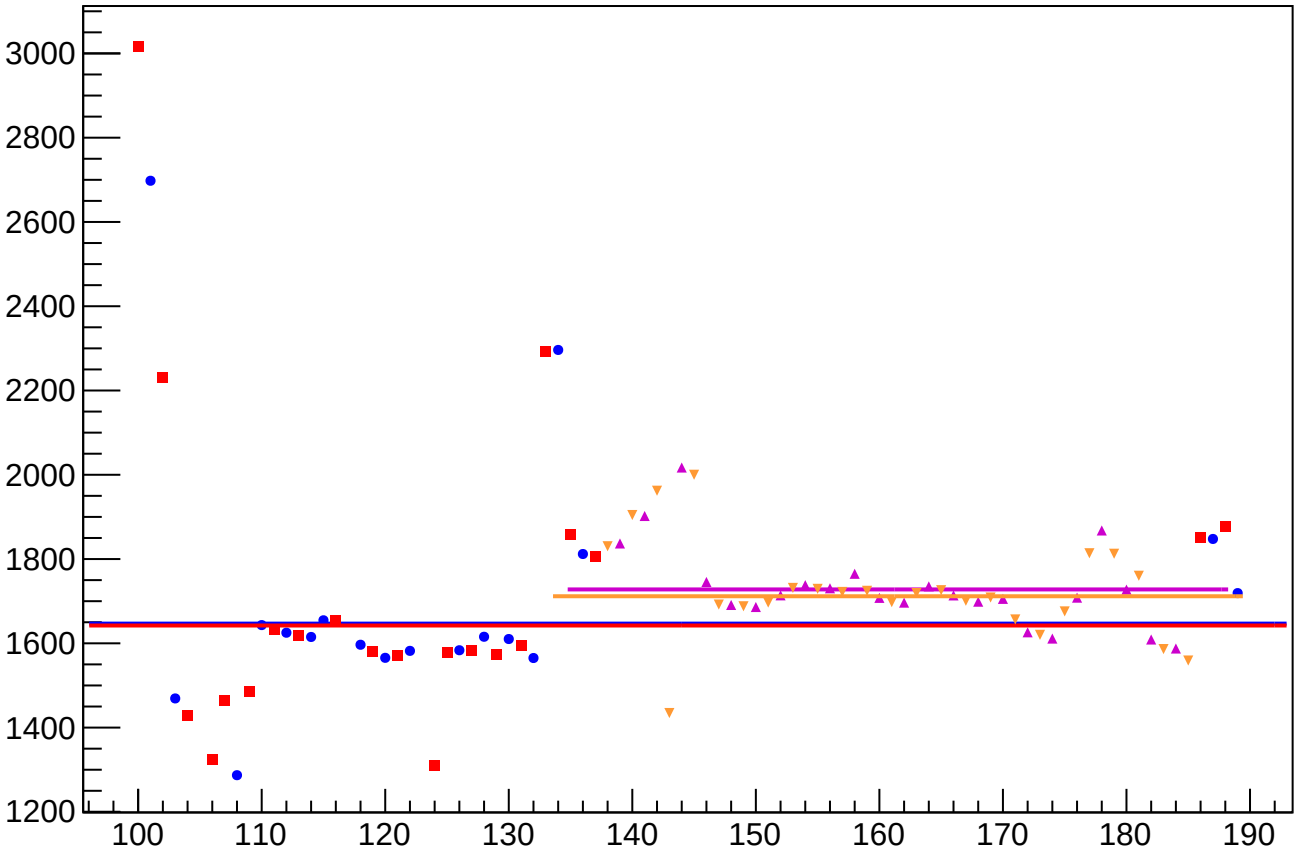
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 486.729+/-408.216 χ^2/NDF: 38.9/38

In: 453.235+/-333.638 χ^2/NDF:31.2/40

Out: 391.511+/-320.687 χ^2/NDF:54.6/45

All: 421.152+/-231.203 χ^2/NDF: 85.8/86



Right In: 1646.760+/-0.418 χ^2/NDF: 368210.2/17

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1642.292+/-0.399 χ^2/NDF: 326782.5/20

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

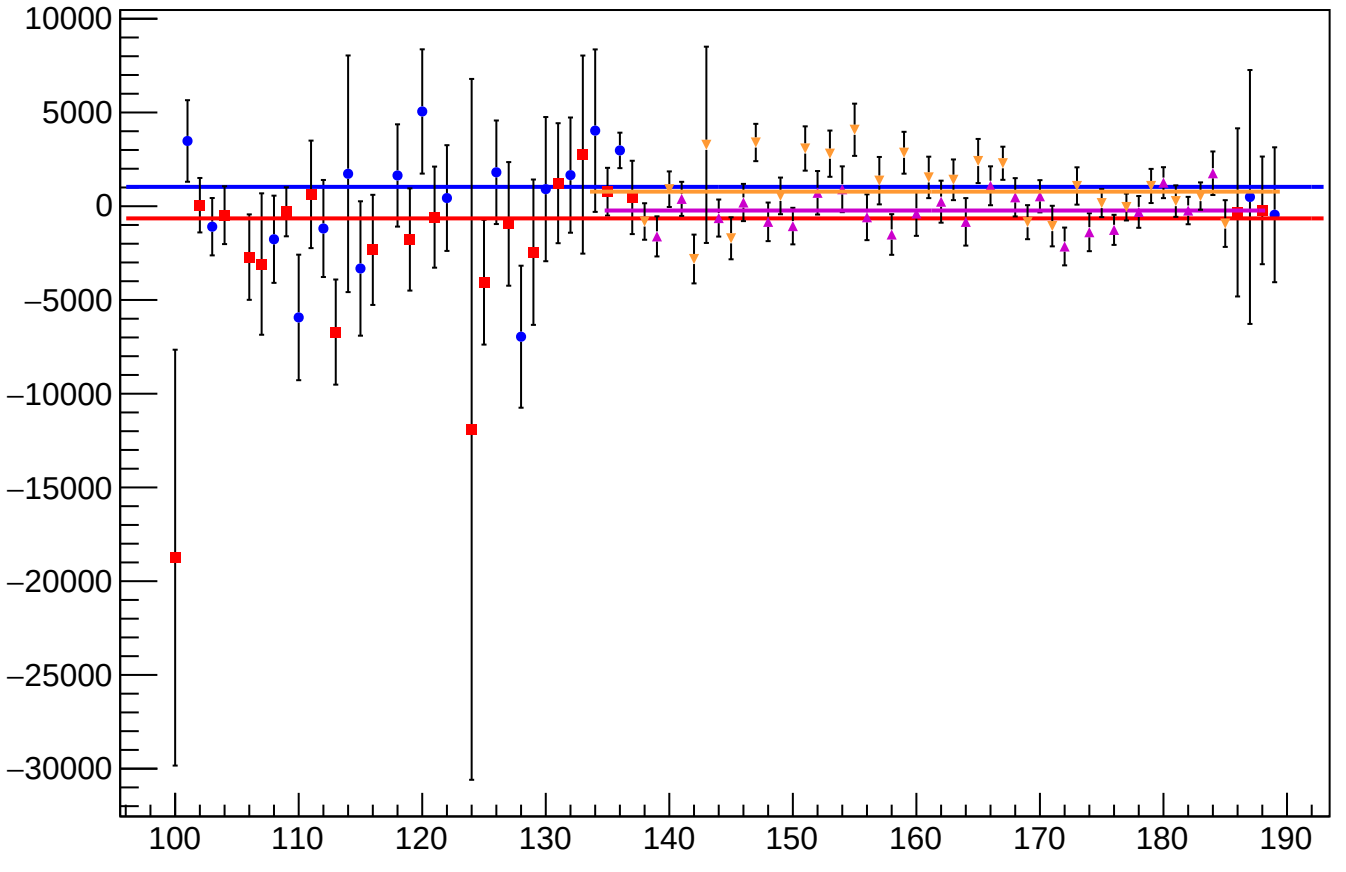
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1644.421+/-0.289 χ^2/NDF: 695052.5/38

In: 1702.080+/-0.236 χ^2/NDF:494112.1/40

Out: 1689.284+/-0.227 χ^2/NDF:515283.7/45

All: 1695.429+/-0.163 χ^2/NDF: 1010925.0/86



Right In: 1032.207+/-562.581 χ^2/NDF: 22.2/17

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -649.213+/-511.629 χ^2/NDF: 13.6/20

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

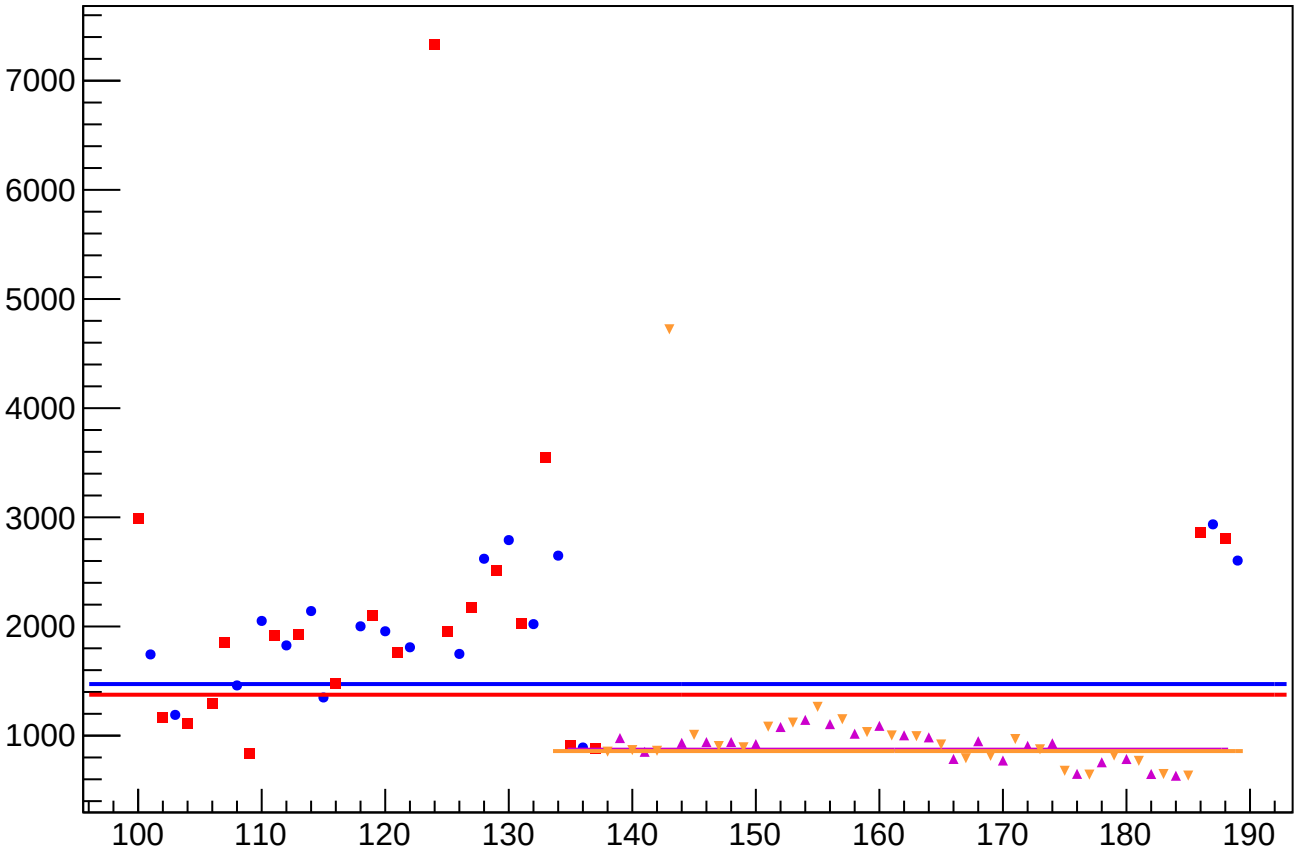
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 111.923+/-378.511 χ^2/NDF: 40.7/38

In: -78.883+/-194.021 χ^2/NDF:49.3/40

Out: 586.965+/-187.597 χ^2/NDF:74.9/45

All: 265.247+/-134.865 χ^2/NDF: 130.2/86



Right In: 1472.473+/-0.398 χ^2/NDF: 2063826.5/17

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1374.854+/-0.362 χ^2/NDF: 2937299.6/20

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

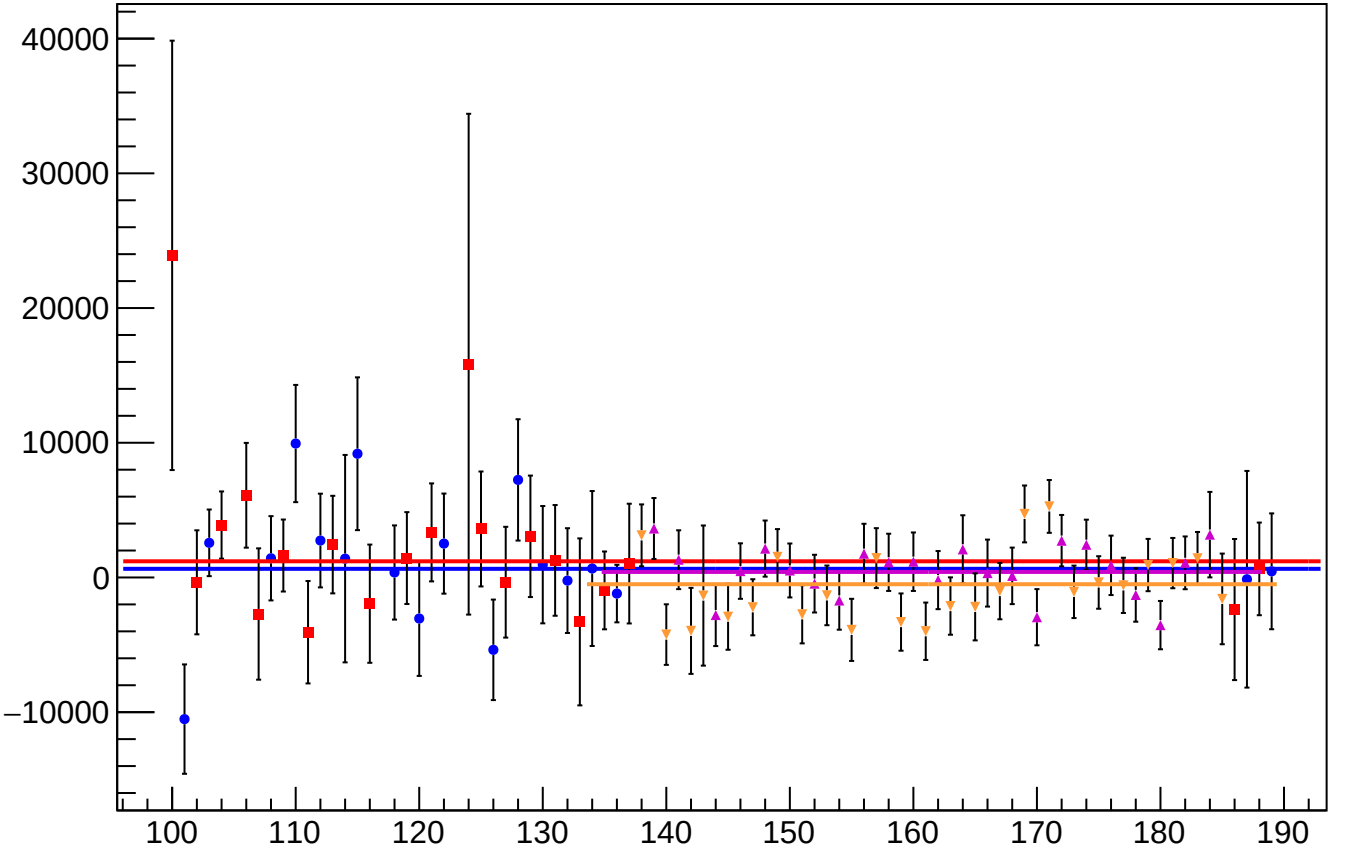
Right: 1419.044+/-0.268 χ^2/NDF: 5034085.5/38

In: 943.002+/-0.137 χ^2/NDF:5053847.0/40

Out: 928.001+/-0.133 χ^2/NDF:6979663.8/45

All: 935.249+/-0.095 χ^2/NDF: 12039690.0/86

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 641.303+/-884.478 χ^2/NDF: 22.0/17

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1200.583+/-850.686 χ^2/NDF: 11.3/20

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

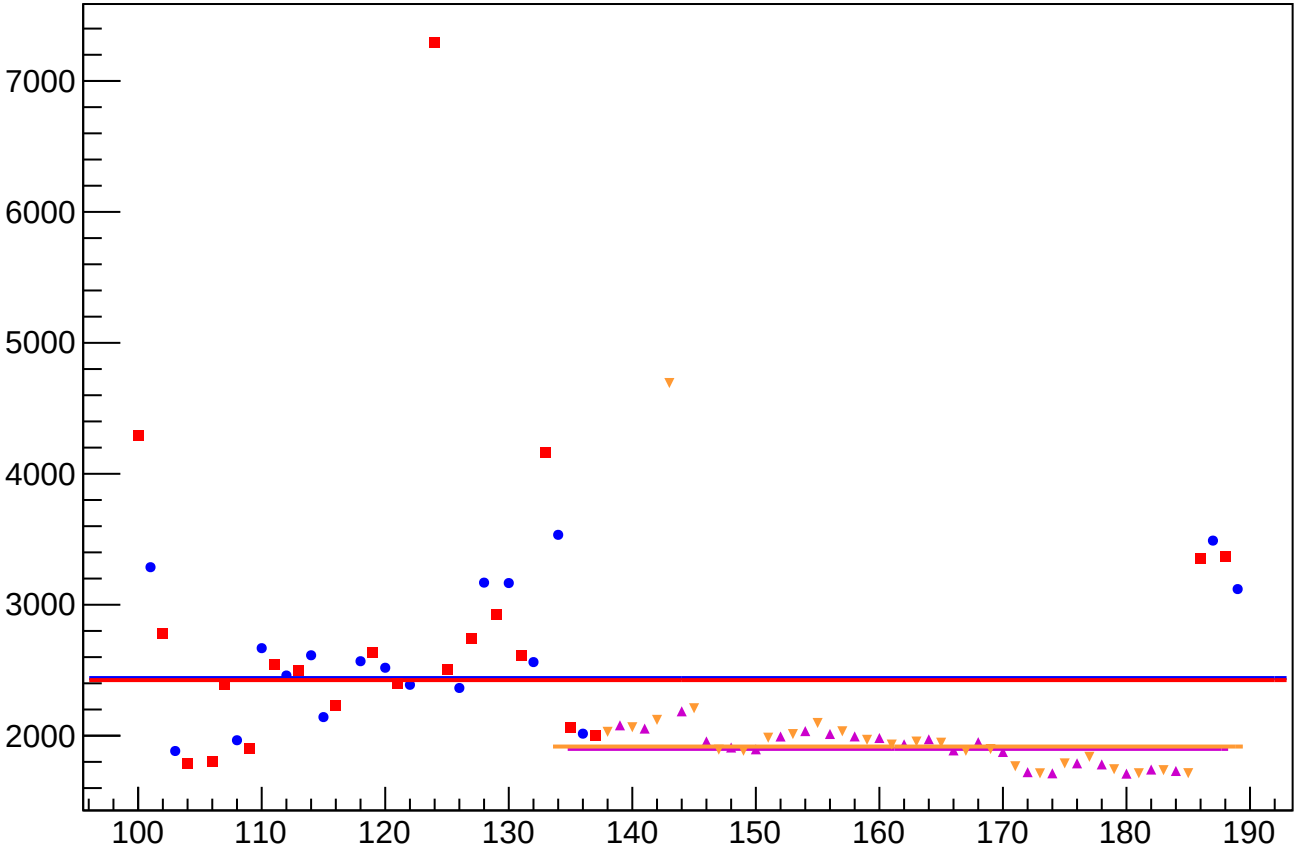
Right: 931.831+/-613.124 χ^2/NDF: 33.6/38

In: 457.708+/-397.218 χ^2/NDF:40.9/40

Out: -142.376+/-390.759 χ^2/NDF:50.4/45

All: 152.747+/-278.564 χ^2/NDF: 92.5/86

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2440.114+/-0.625 χ^2/NDF: 596575.4/17

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2424.528+/-0.602 χ^2/NDF: 914482.8/20

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

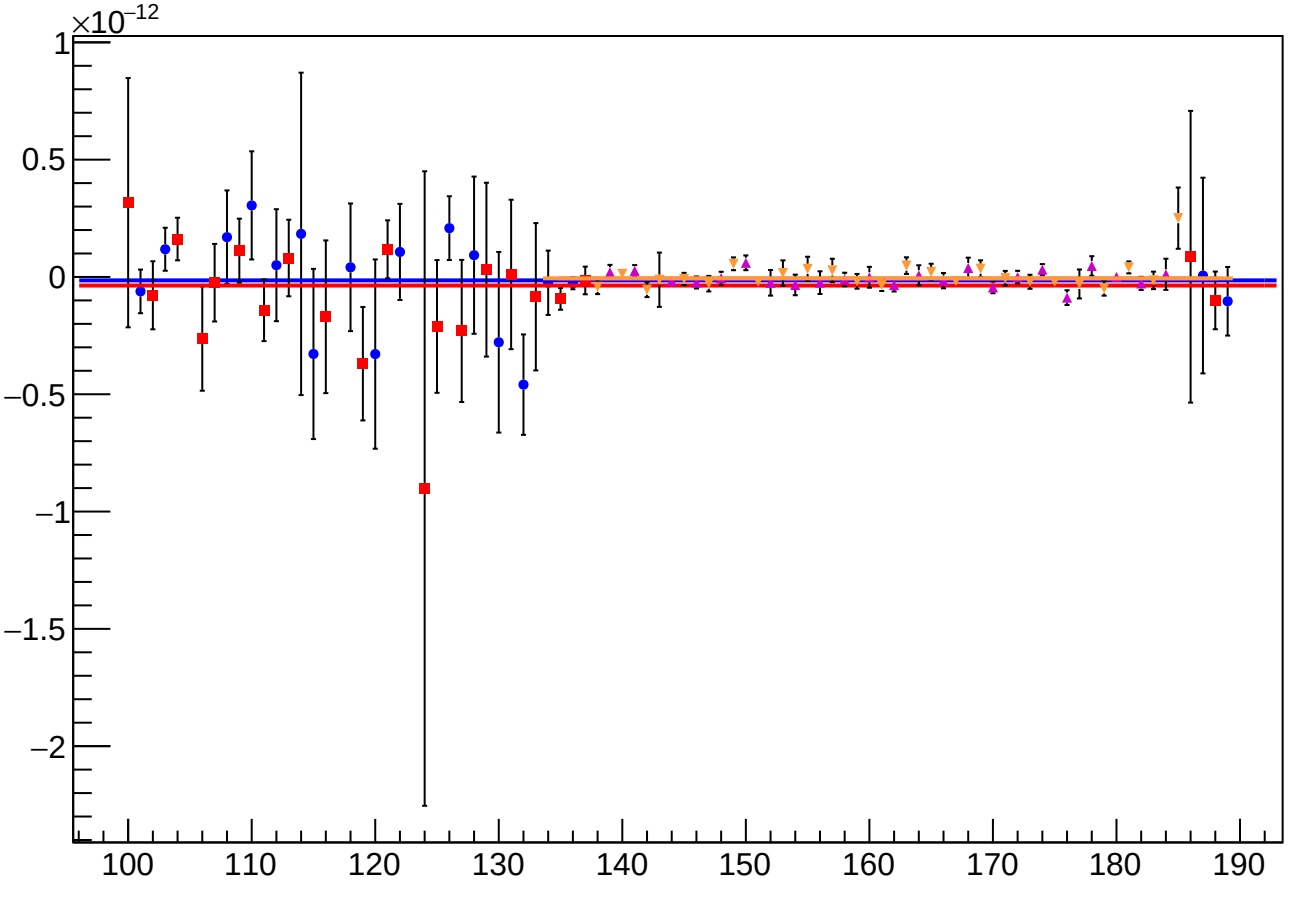
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2432.018+/-0.434 χ^2/NDF: 1511380.9/38

In: 2008.333+/-0.281 χ^2/NDF:1367002.8/40

Out: 2024.213+/-0.276 χ^2/NDF:2232206.9/45

All: 2016.403+/-0.197 χ^2/NDF: 3600834.2/86



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/20

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

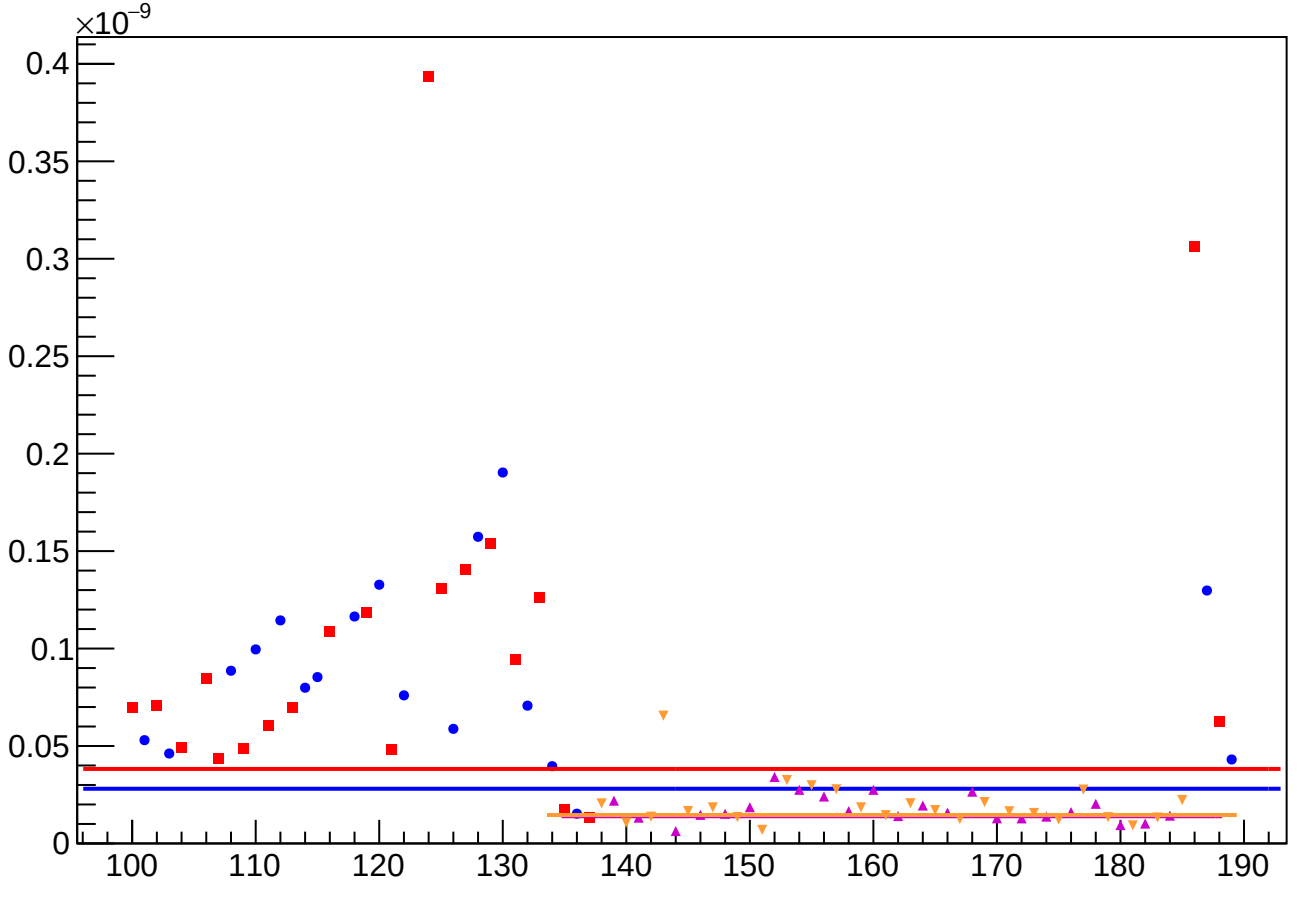
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.1/38

In: -0.000+/-0.000 χ^2/NDF:40.3/40

Out: -0.000+/-0.000 χ^2/NDF:45.3/45

All: -0.000+/-0.000 χ^2/NDF: 85.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 2869663.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2899791.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

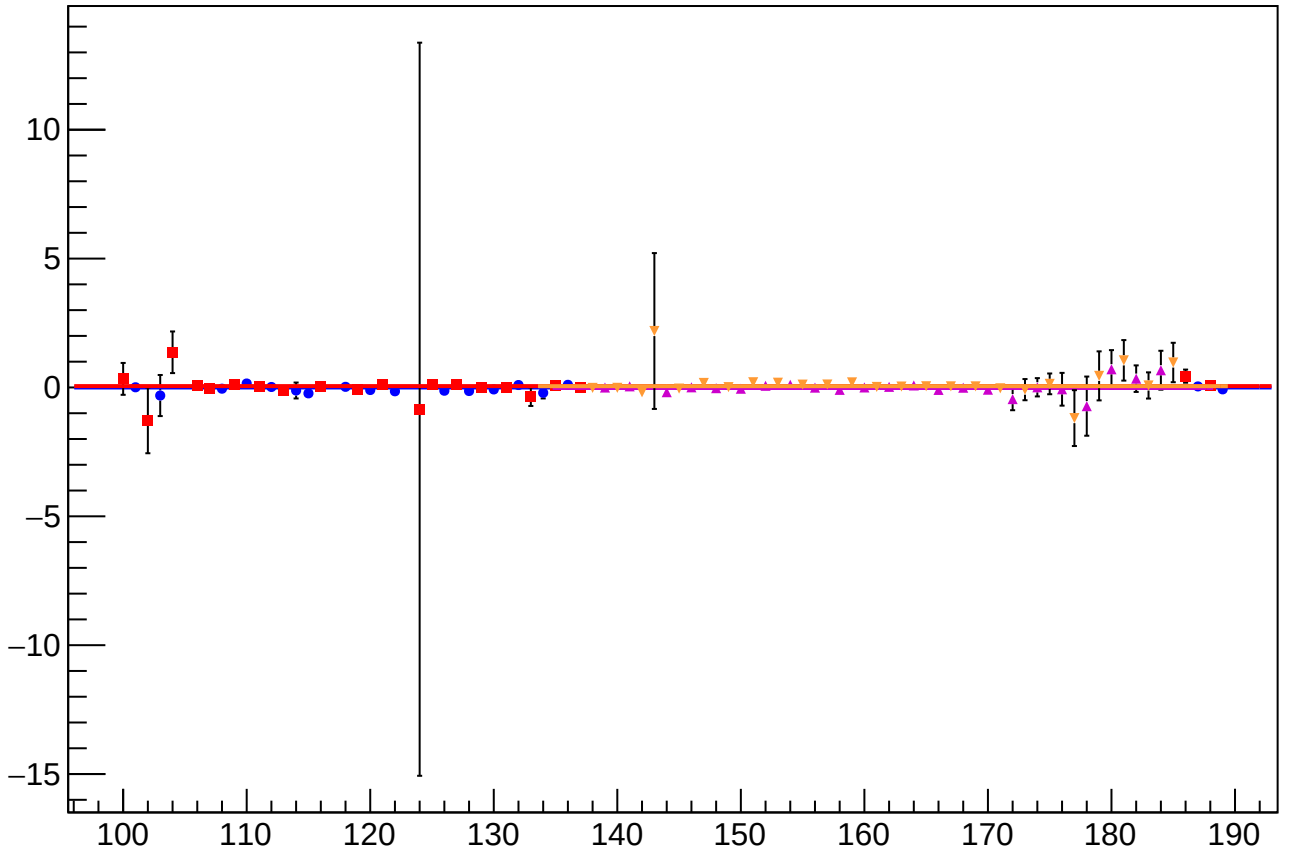
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5938549.0/38

In: 0.000+/-0.000 χ^2/NDF:5587519.2/40

Out: 0.000+/-0.000 χ^2/NDF:6209459.0/45

All: 0.000+/-0.000 χ^2/NDF: 11813854.7/86



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

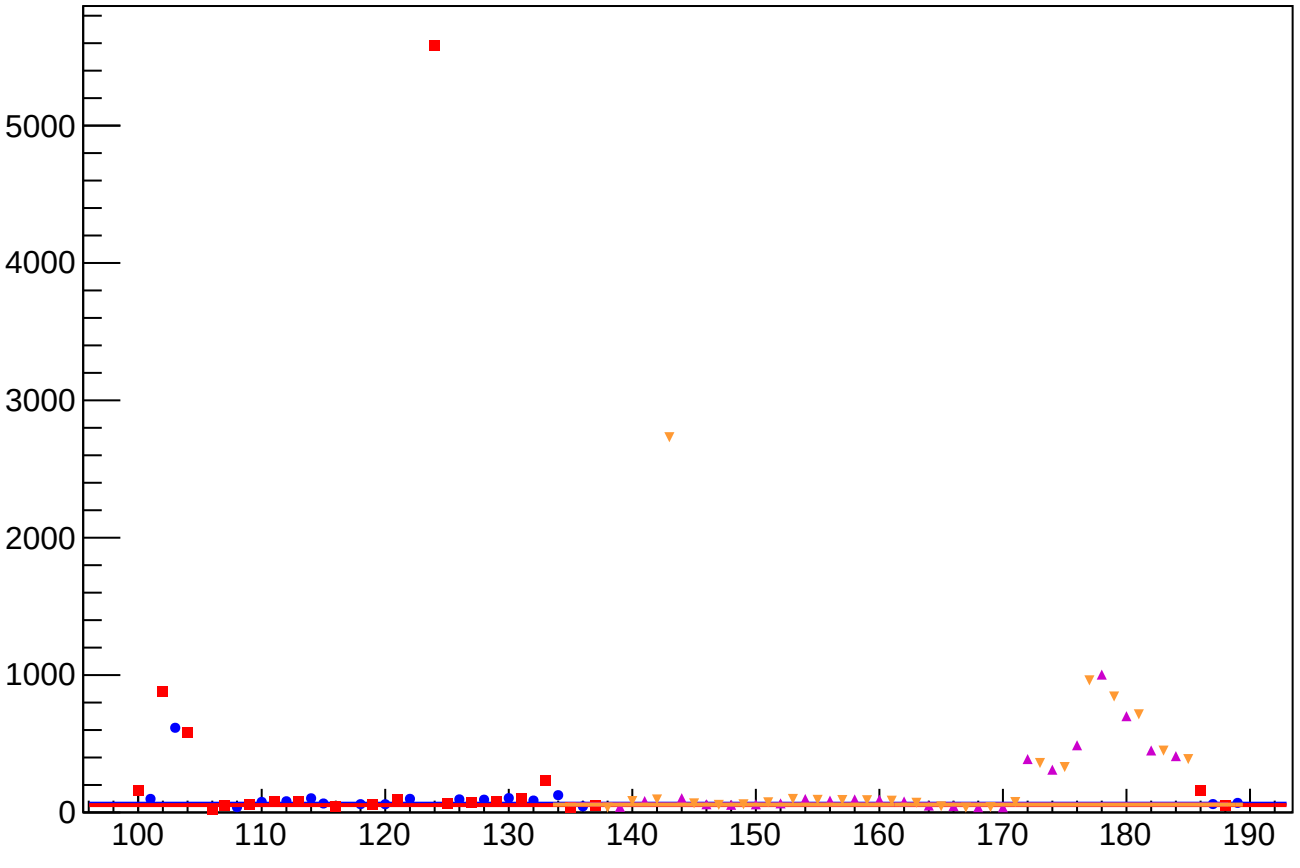
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.029+/-0.017 χ^2/NDF: 31.7/38

In: -0.014+/-0.014 χ^2/NDF:29.7/40

Out: 0.051+/-0.014 χ^2/NDF:39.9/45

All: 0.020+/-0.010 χ^2/NDF: 80.2/86



Right In: 63.797+/-0.018 χ^2/NDF: 2453033.7/17

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 53.607+/-0.016 χ^2/NDF: 4301469.3/20

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

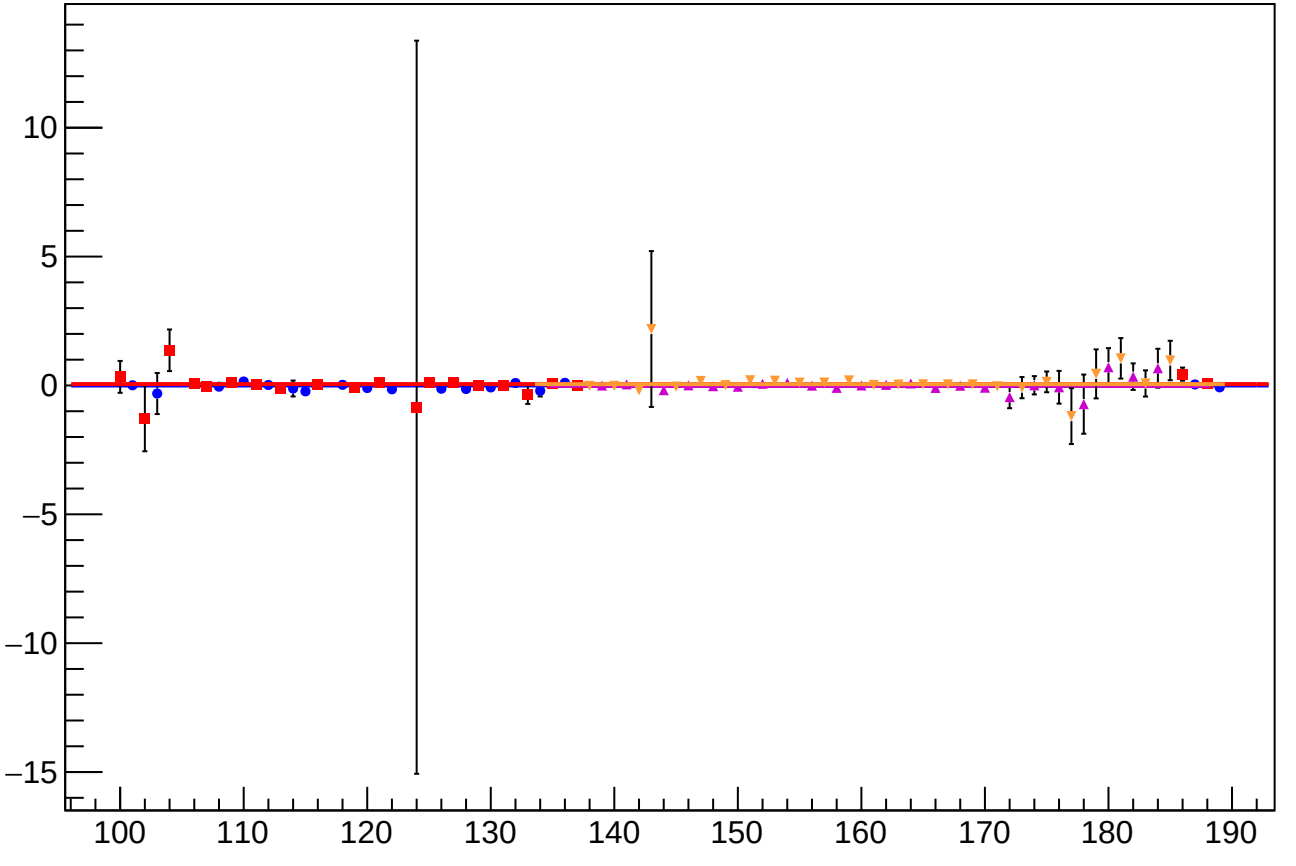
Right: 58.036+/-0.012 χ^2/NDF: 6930254.5/38

In: 60.172+/-0.010 χ^2/NDF:12757307.5/40

Out: 55.942+/-0.010 χ^2/NDF:16656697.4/45

All: 57.956+/-0.007 χ^2/NDF: 29505979.9/86

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

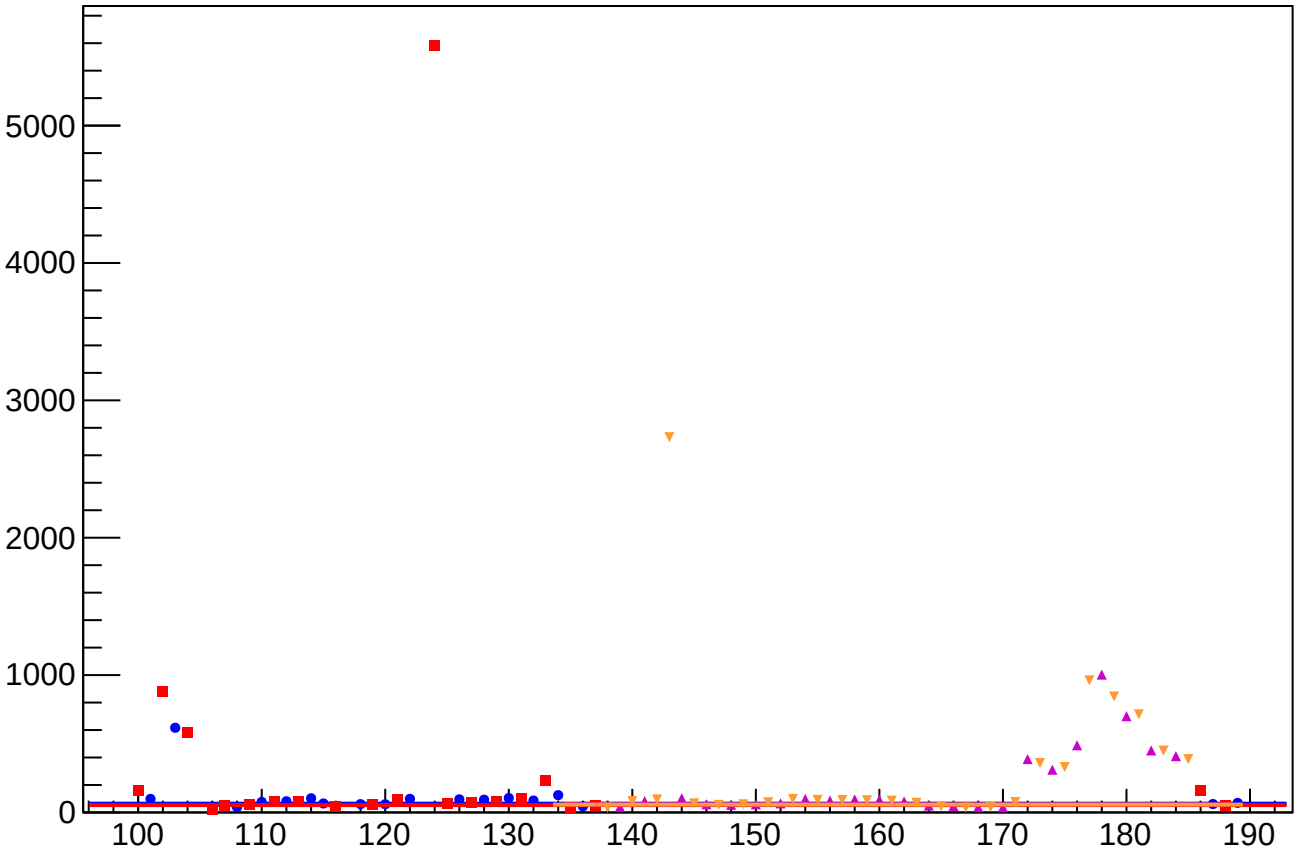
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.029+/-0.017 χ^2/NDF: 31.7/38

In: -0.014+/-0.014 χ^2/NDF:29.7/40

Out: 0.051+/-0.014 χ^2/NDF:39.9/45

All: 0.020+/-0.010 χ^2/NDF: 80.2/86



Right In: 63.797+/-0.018 χ^2/NDF: 2453033.7/17

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 53.607+/-0.016 χ^2/NDF: 4301469.3/20

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

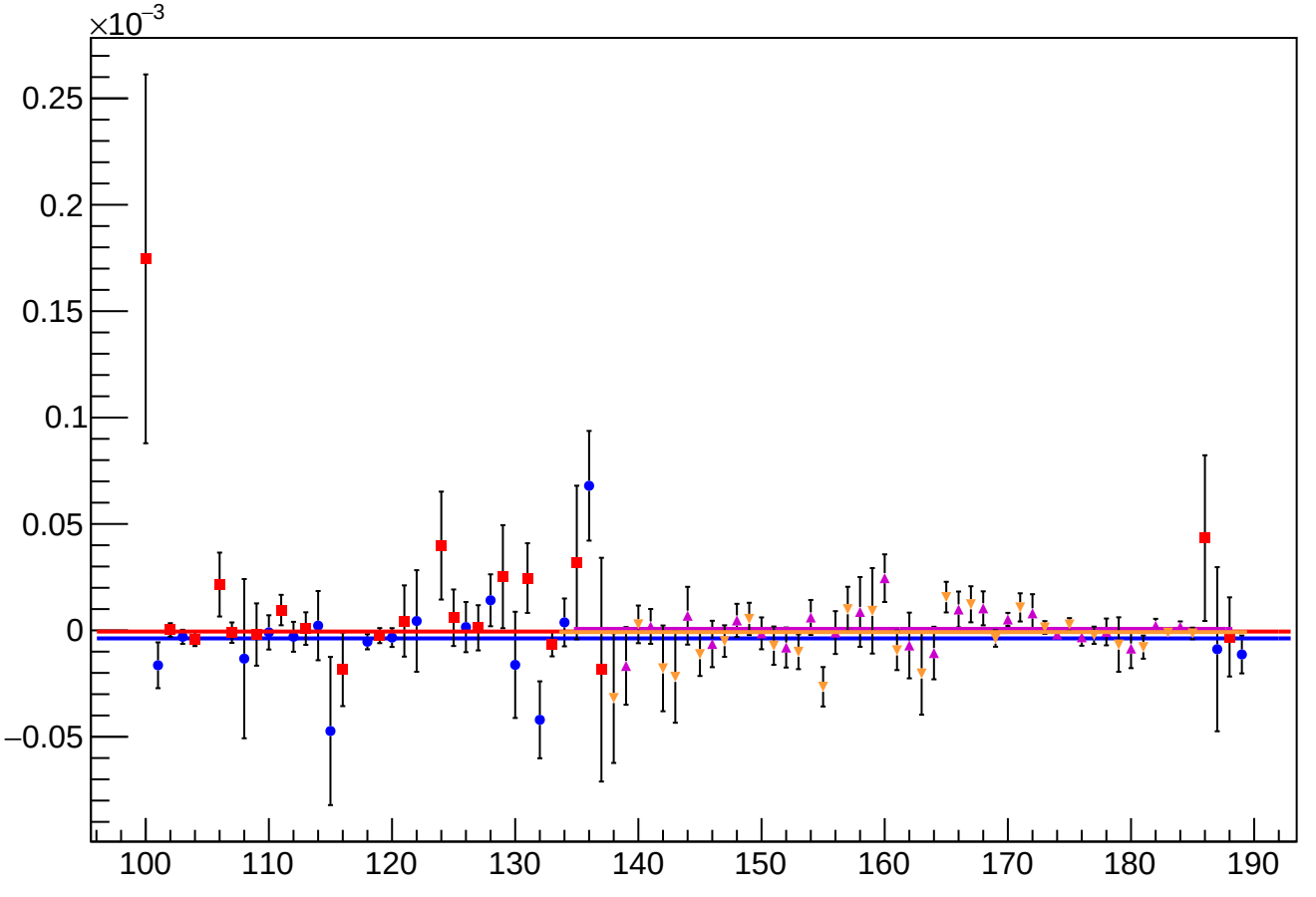
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 58.036+/-0.012 χ^2/NDF: 6930254.5/38

In: 60.172+/-0.010 χ^2/NDF:12757307.5/40

Out: 55.942+/-0.010 χ^2/NDF:16656697.4/45

All: 57.956+/-0.007 χ^2/NDF: 29505979.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/20

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

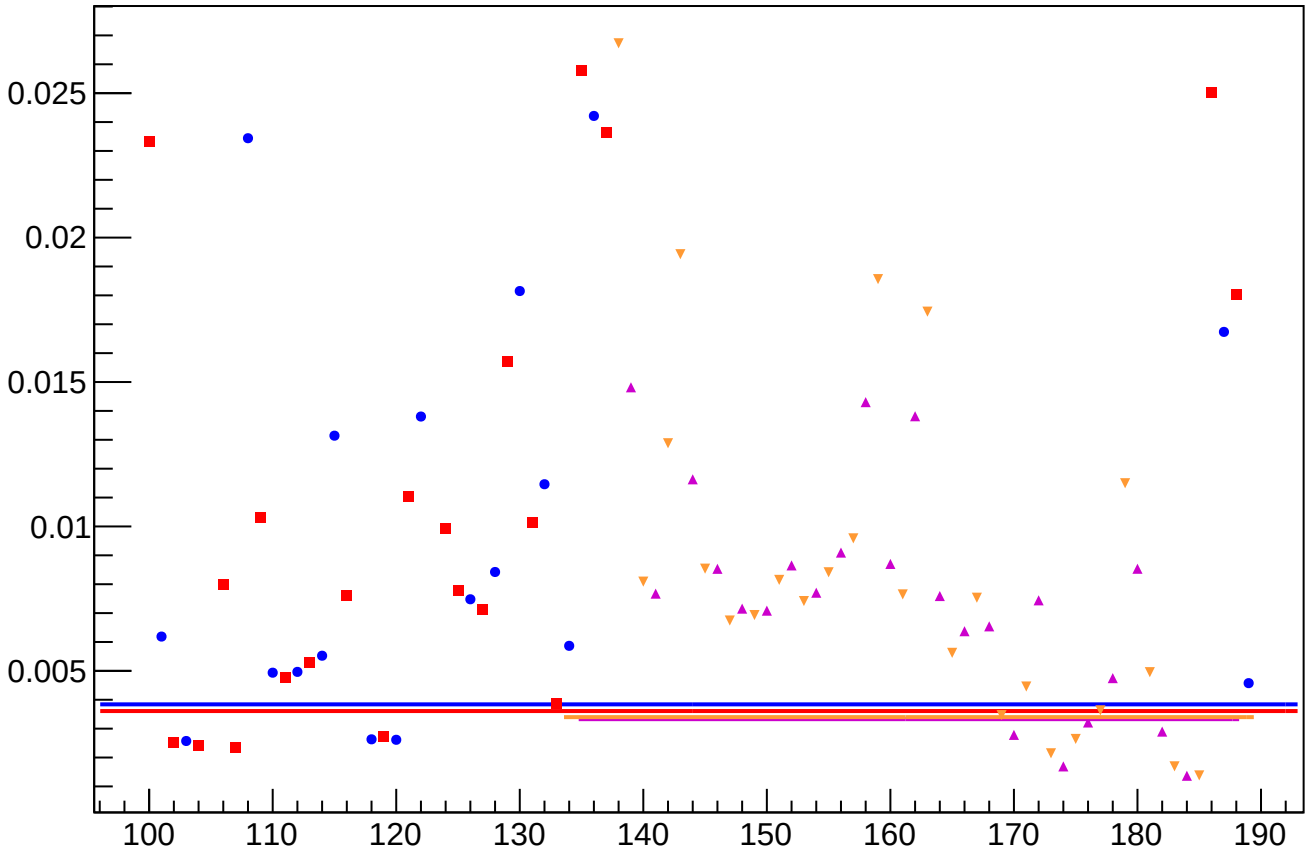
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 42.0/38

In: -0.000+/-0.000 χ^2/NDF:43.2/40

Out: -0.000+/-0.000 χ^2/NDF:53.2/45

All: -0.000+/-0.000 χ^2/NDF: 96.5/86



Right In: 0.004+/-0.000 χ^2/NDF: 4959064.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 6316817.8/20

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

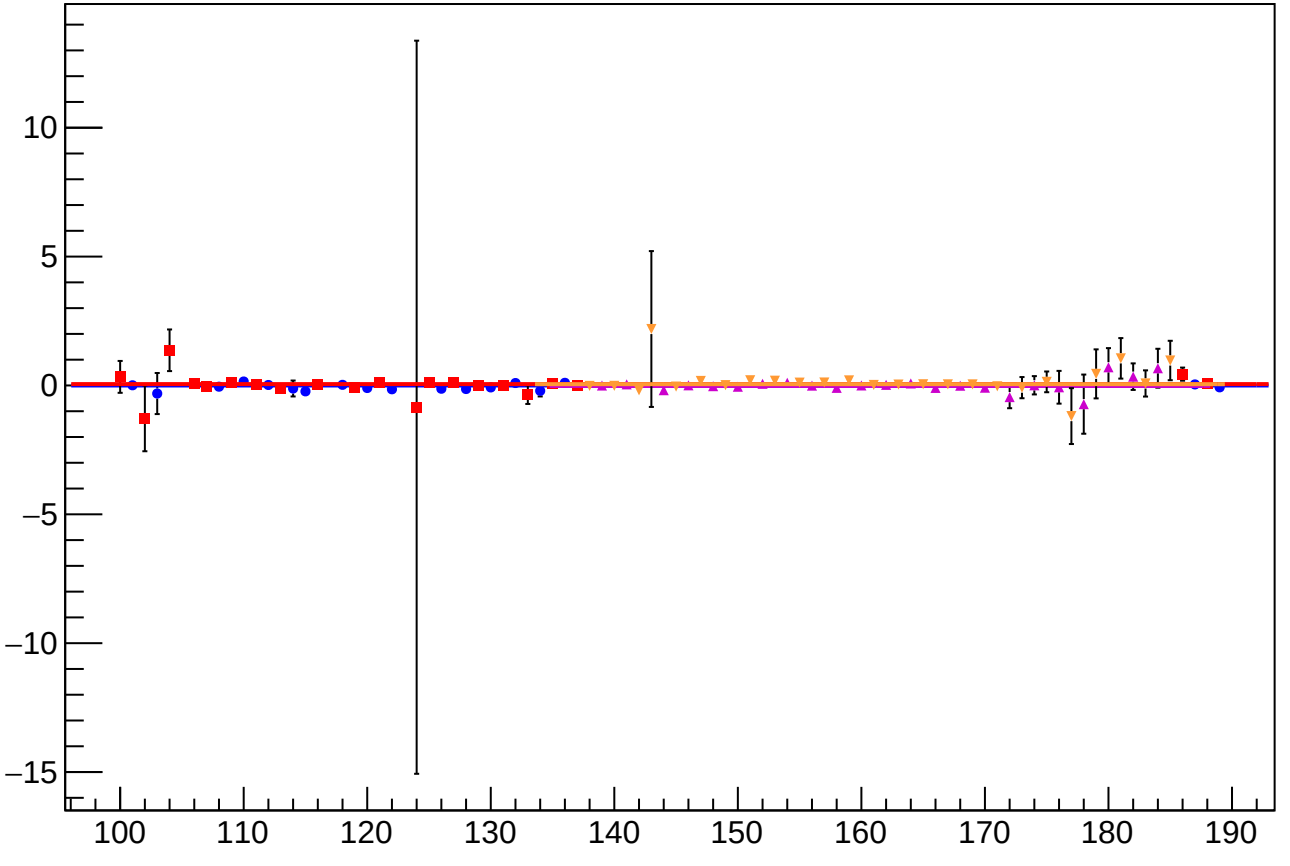
Right: 0.004+/-0.000 χ^2/NDF: 11295252.1/38

In: 0.003+/-0.000 χ^2/NDF:17648346.5/40

Out: 0.003+/-0.000 χ^2/NDF:20591796.2/45

All: 0.003+/-0.000 χ^2/NDF: 38240164.4/86

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

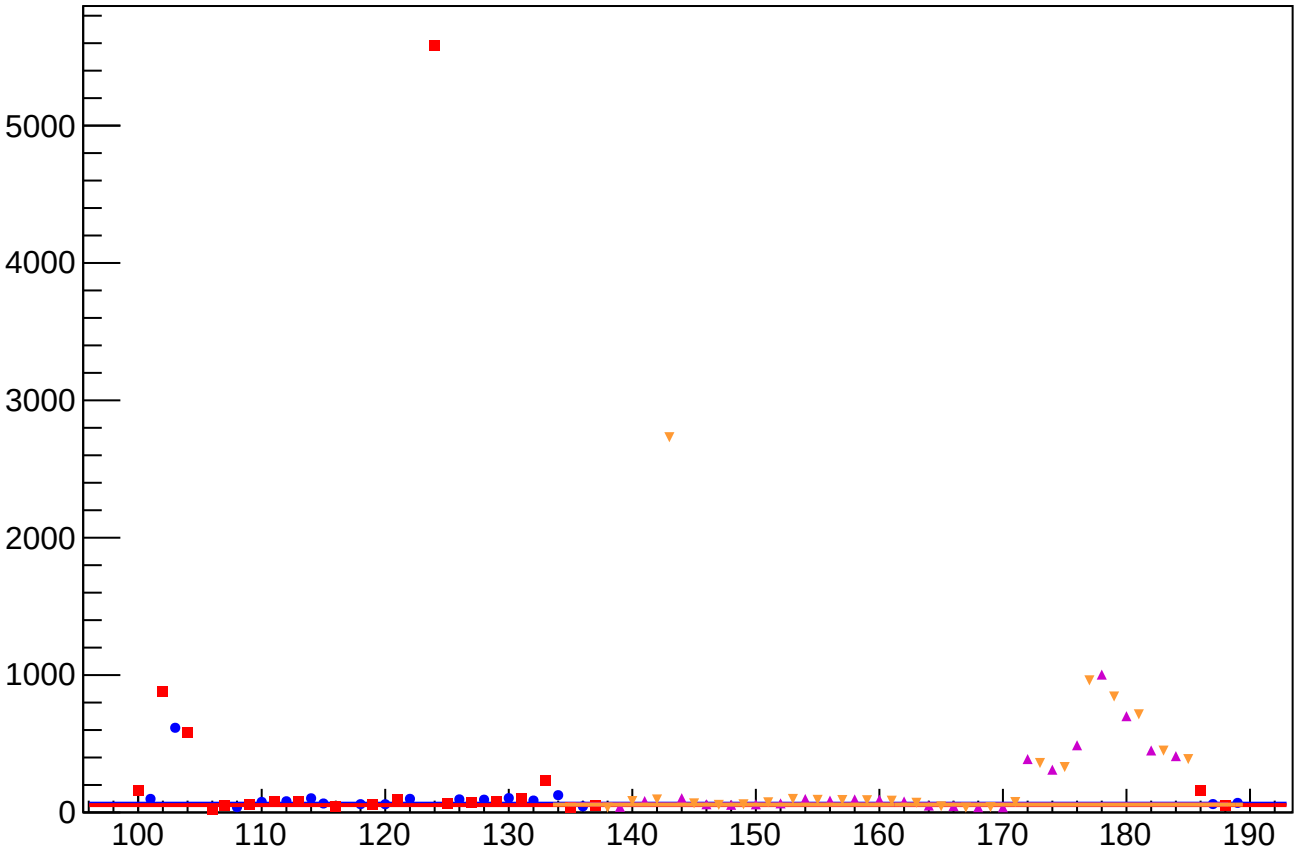
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.029+/-0.017 χ^2/NDF: 31.7/38

In: -0.014+/-0.014 χ^2/NDF:29.7/40

Out: 0.051+/-0.014 χ^2/NDF:39.9/45

All: 0.020+/-0.010 χ^2/NDF: 80.2/86



Right In: 63.805+/-0.018 χ^2/NDF: 2452106.1/17

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 53.602+/-0.016 χ^2/NDF: 4302063.6/20

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

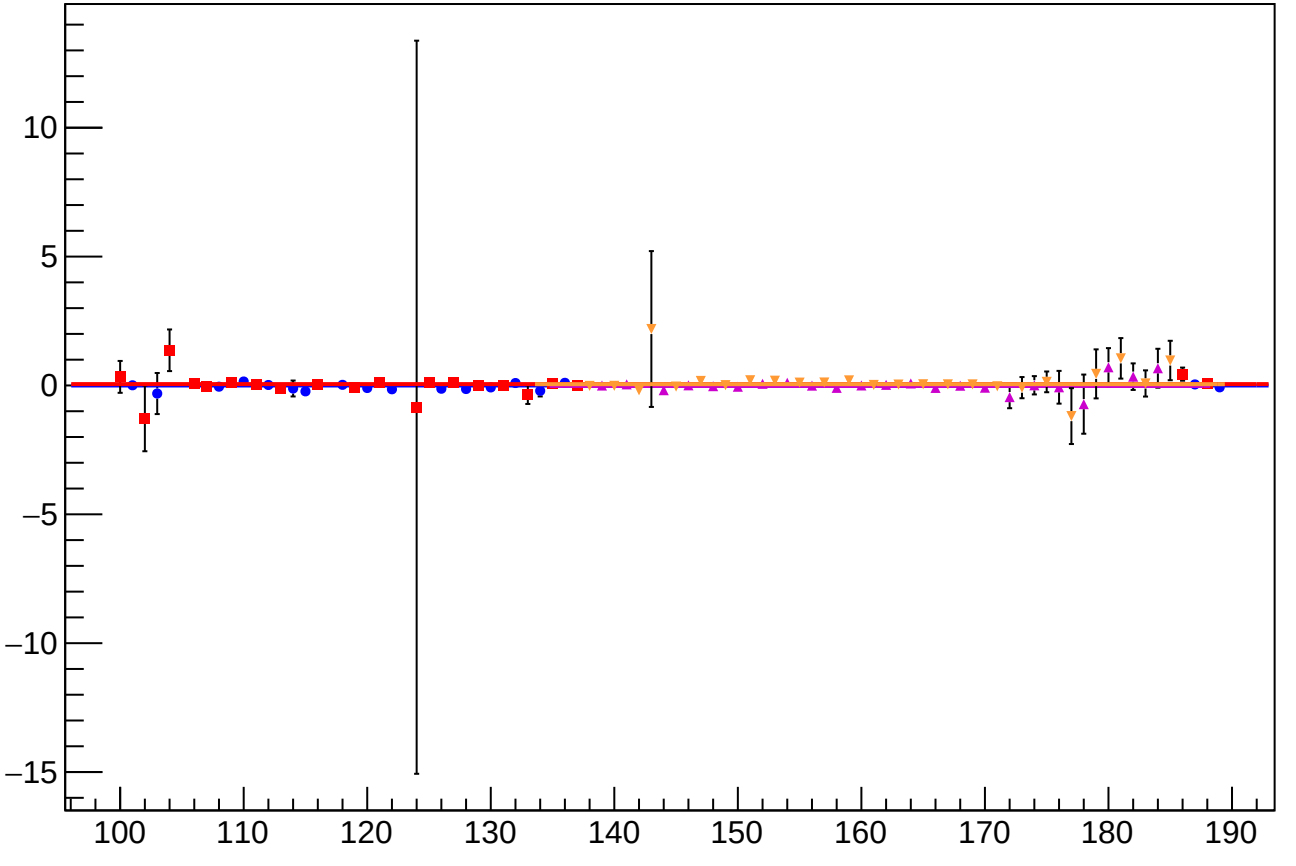
Right: 58.036+/-0.012 χ^2/NDF: 6930360.7/38

In: 60.176+/-0.010 χ^2/NDF:12755988.0/40

Out: 55.939+/-0.010 χ^2/NDF:16657108.3/45

All: 57.956+/-0.007 χ^2/NDF: 29505354.7/86

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.026 χ^2/NDF: 13.9/17

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

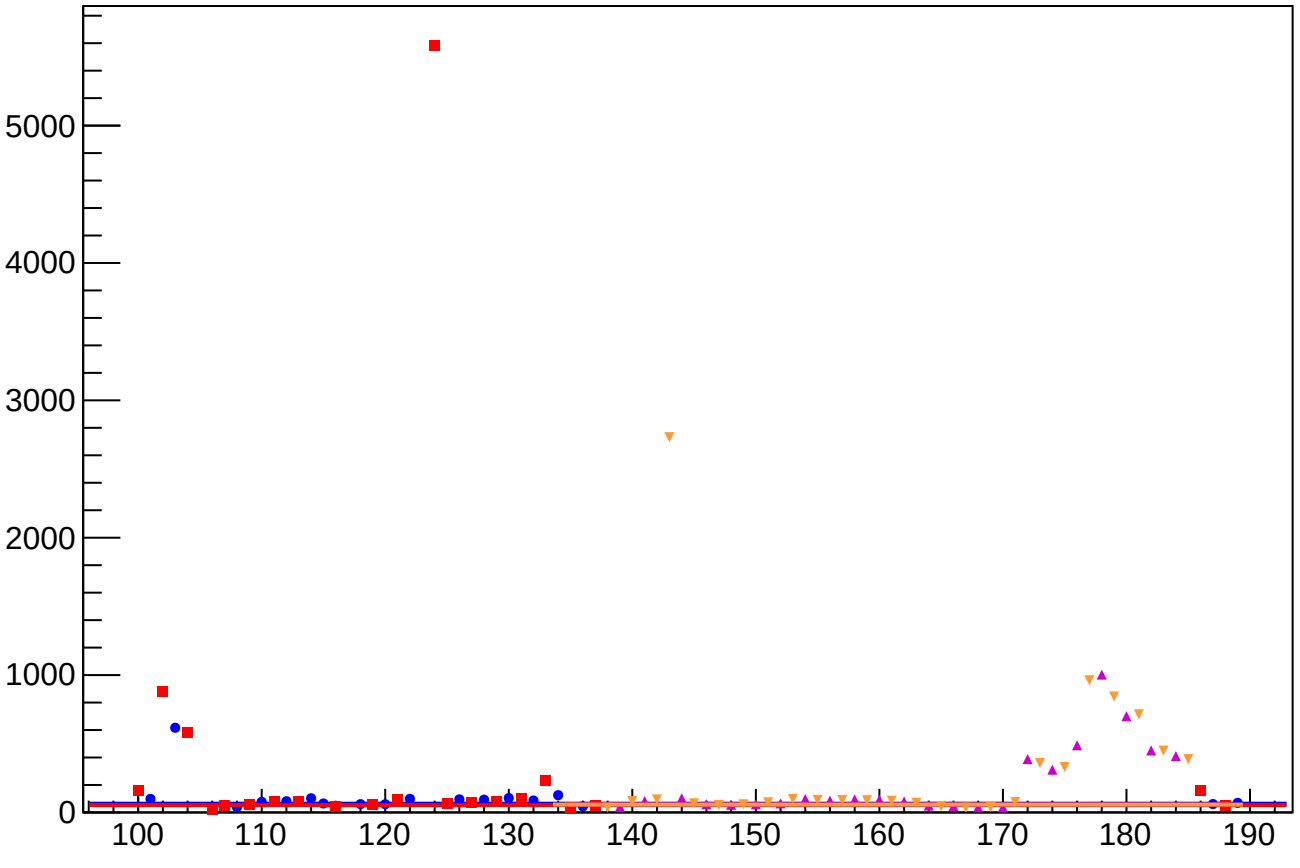
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.029+/-0.017 χ^2/NDF: 31.7/38

In: -0.014+/-0.014 χ^2/NDF:29.7/40

Out: 0.051+/-0.014 χ^2/NDF:39.9/45

All: 0.020+/-0.010 χ^2/NDF: 80.2/86



Right In: 63.805+/-0.018 χ^2/NDF: 2452106.1/17

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 53.602+/-0.016 χ^2/NDF: 4302063.6/20

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

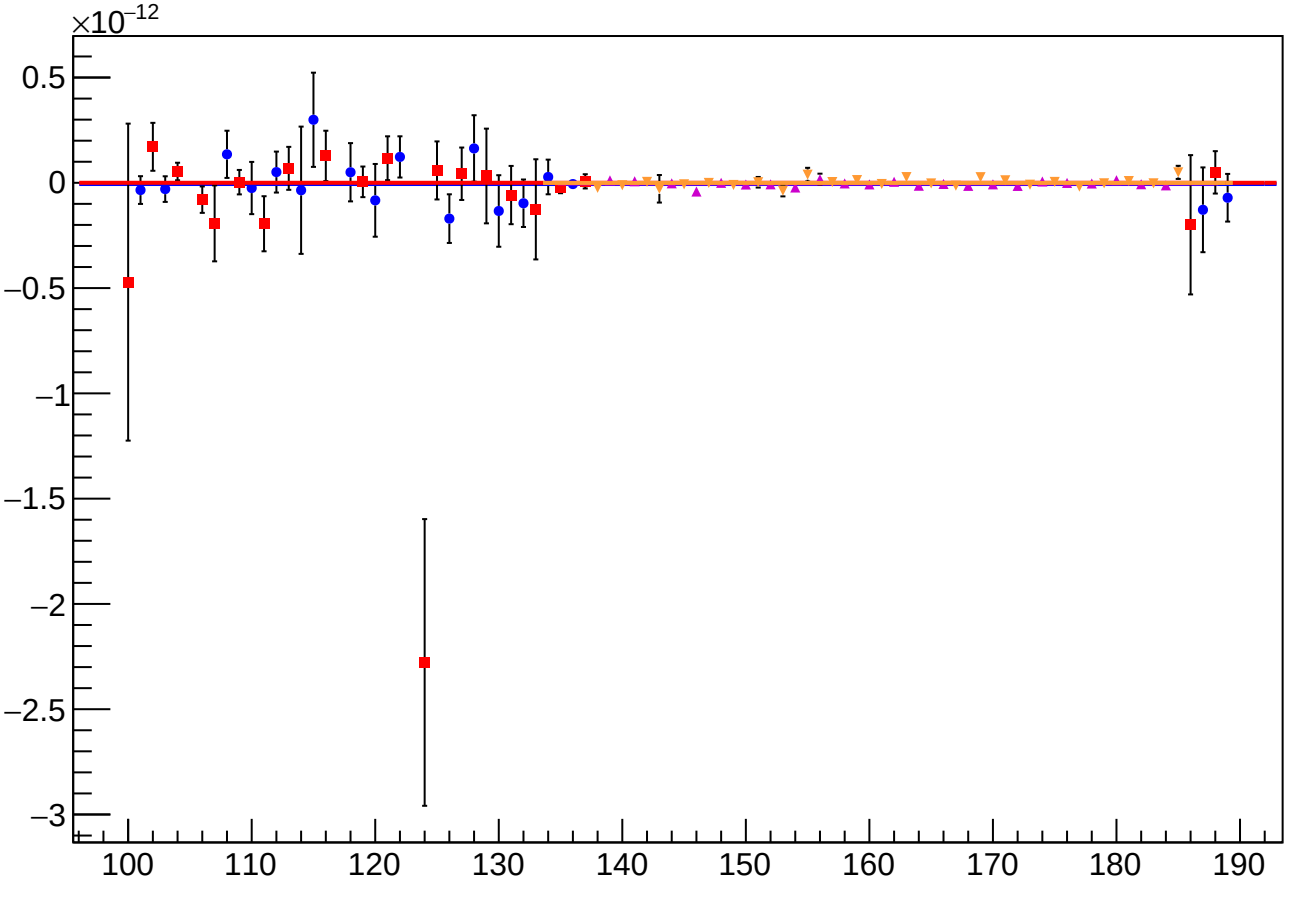
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 58.036+/-0.012 χ^2/NDF: 6930360.7/38

In: 60.176+/-0.010 χ^2/NDF:12755988.0/40

Out: 55.939+/-0.010 χ^2/NDF:16657108.3/45

All: 57.956+/-0.007 χ^2/NDF: 29505354.7/86



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/20

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

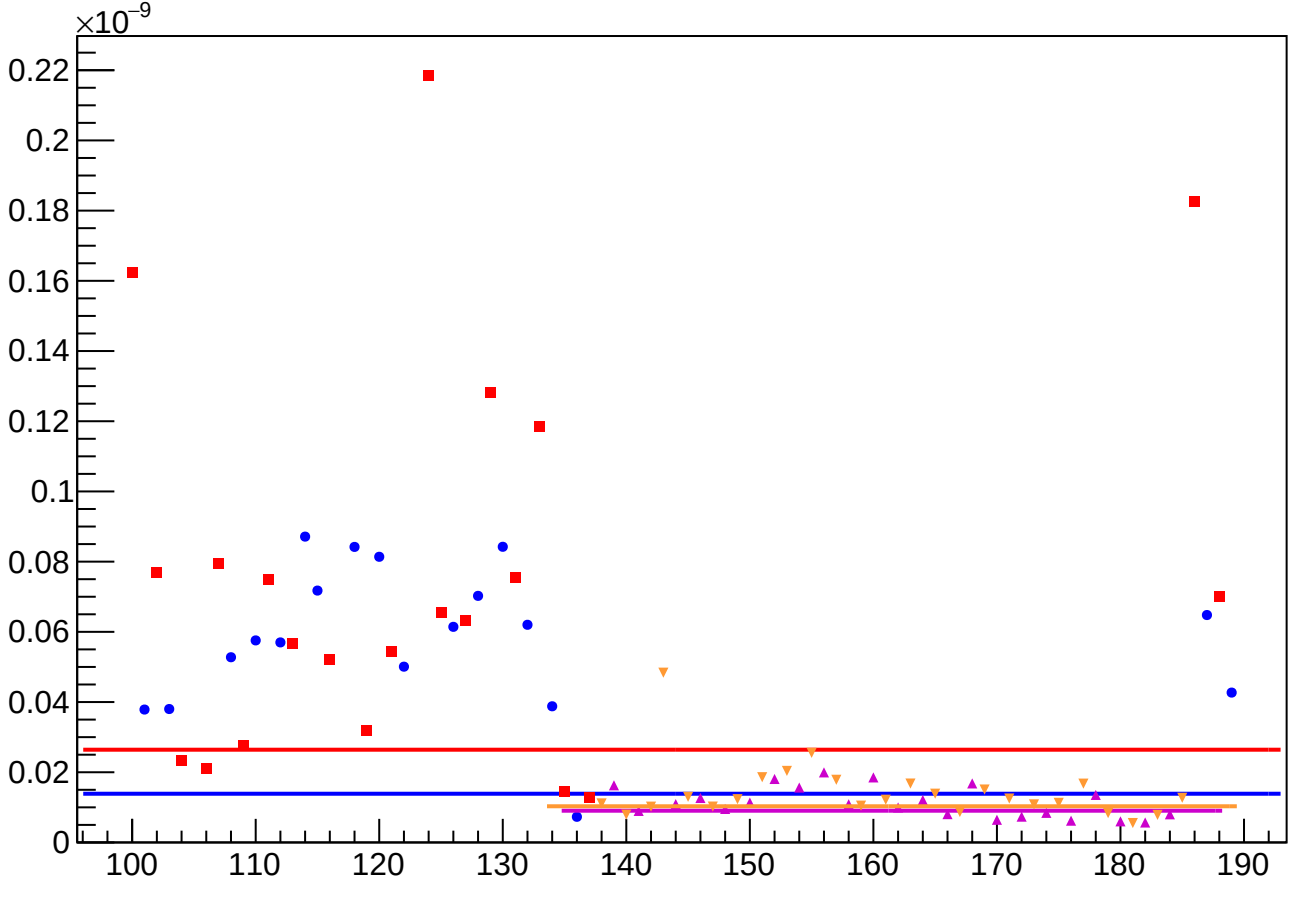
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 37.3/38

In: -0.000+/-0.000 χ^2/NDF:27.0/40

Out: -0.000+/-0.000 χ^2/NDF:44.5/45

All: -0.000+/-0.000 χ^2/NDF: 71.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 5253436.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4413658.3/20

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

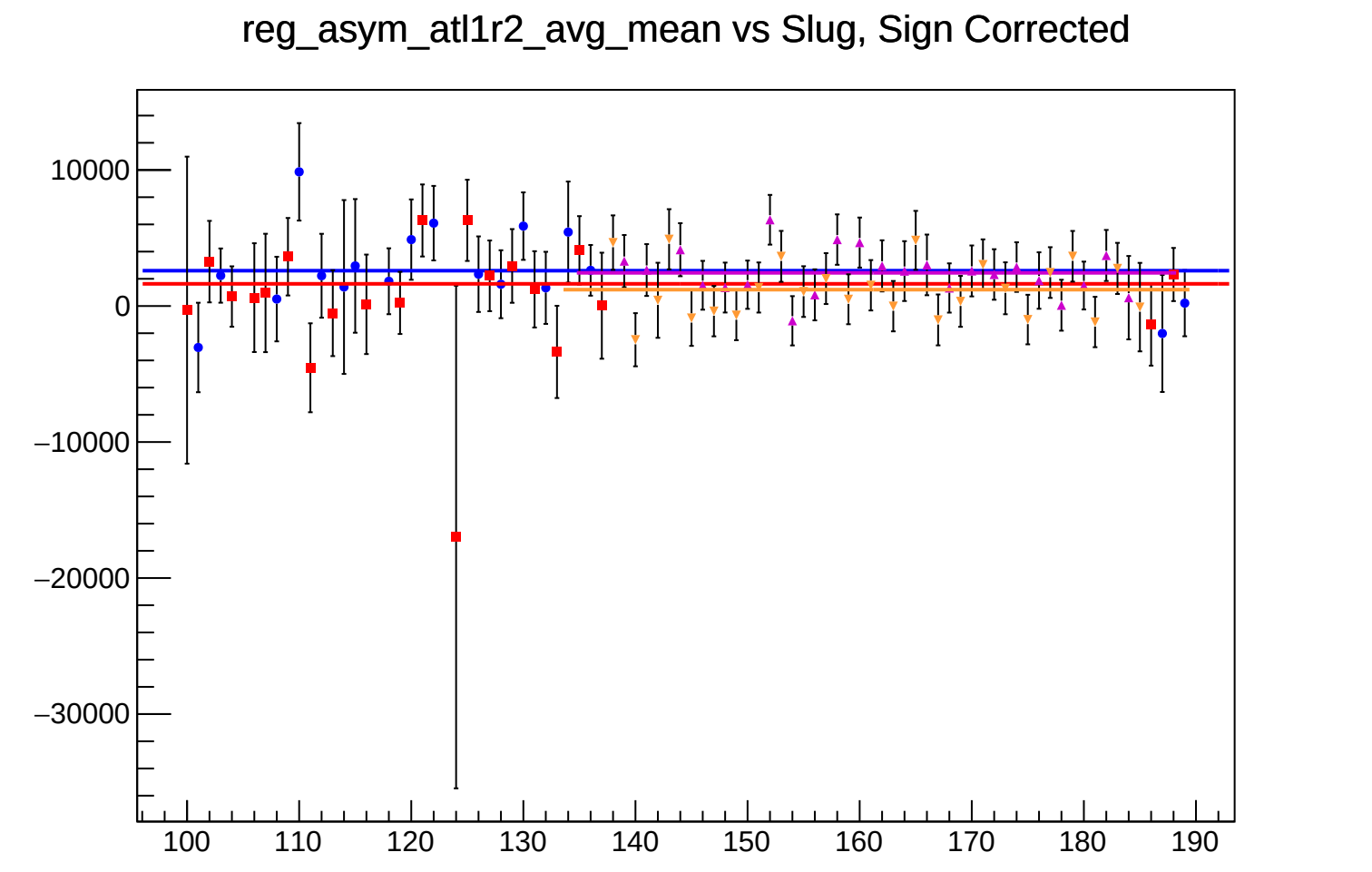
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10634240.2/38

In: 0.000+/-0.000 χ^2/NDF:8717740.0/40

Out: 0.000+/-0.000 χ^2/NDF:10312241.3/45

All: 0.000+/-0.000 χ^2/NDF: 19332320.1/86



Right In: 2597.779+/-660.419 χ^2/NDF: 14.8/17

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1631.048+/-649.198 χ^2/NDF: 16.9/20

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

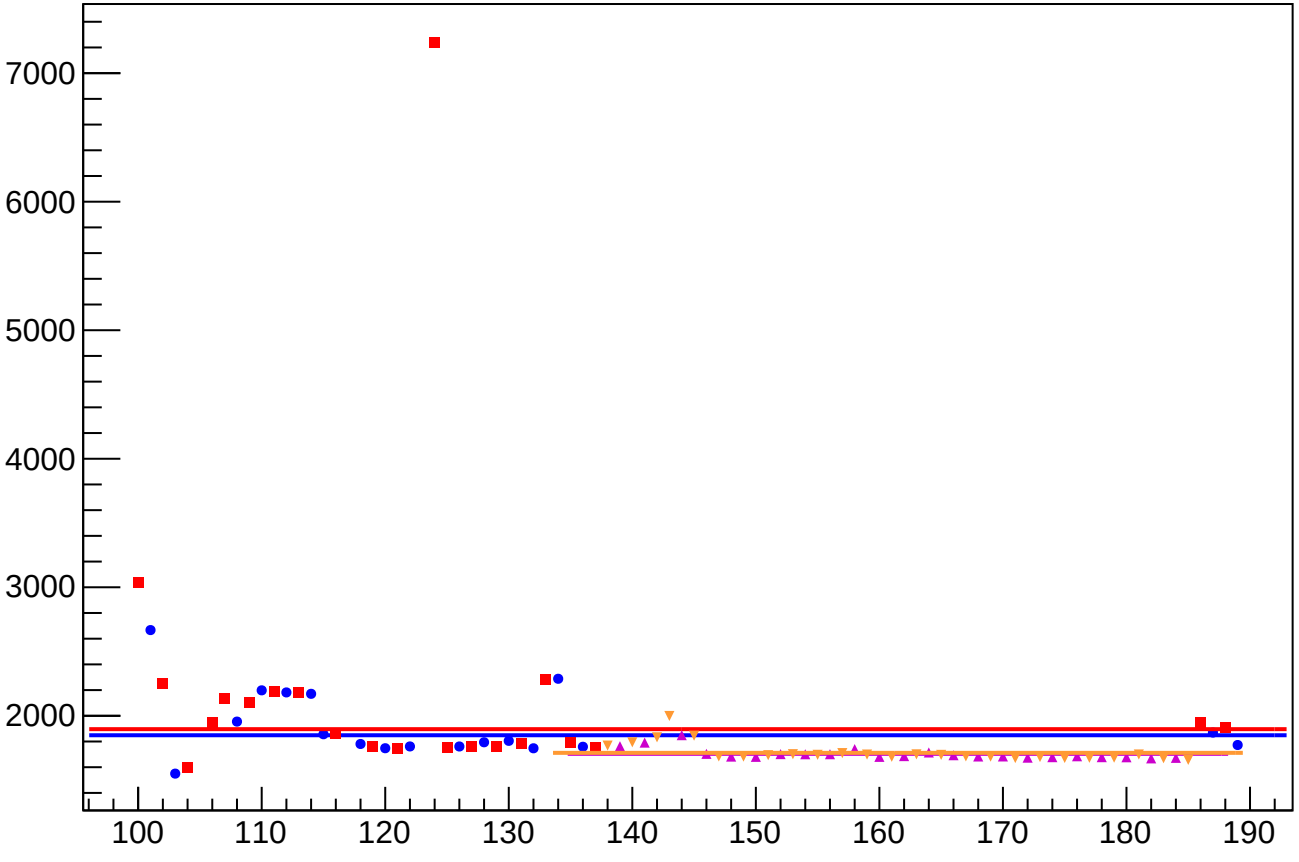
Right: 2106.131+/-462.969 χ^2/NDF: 32.8/38

In: 2481.303+/-340.864 χ^2/NDF:32.3/40

Out: 1315.703+/-333.769 χ^2/NDF:43.6/45

All: 1886.245+/-238.479 χ^2/NDF: 81.8/86

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.5/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.090+/-0.458 χ^2/NDF: 364780.9/20

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

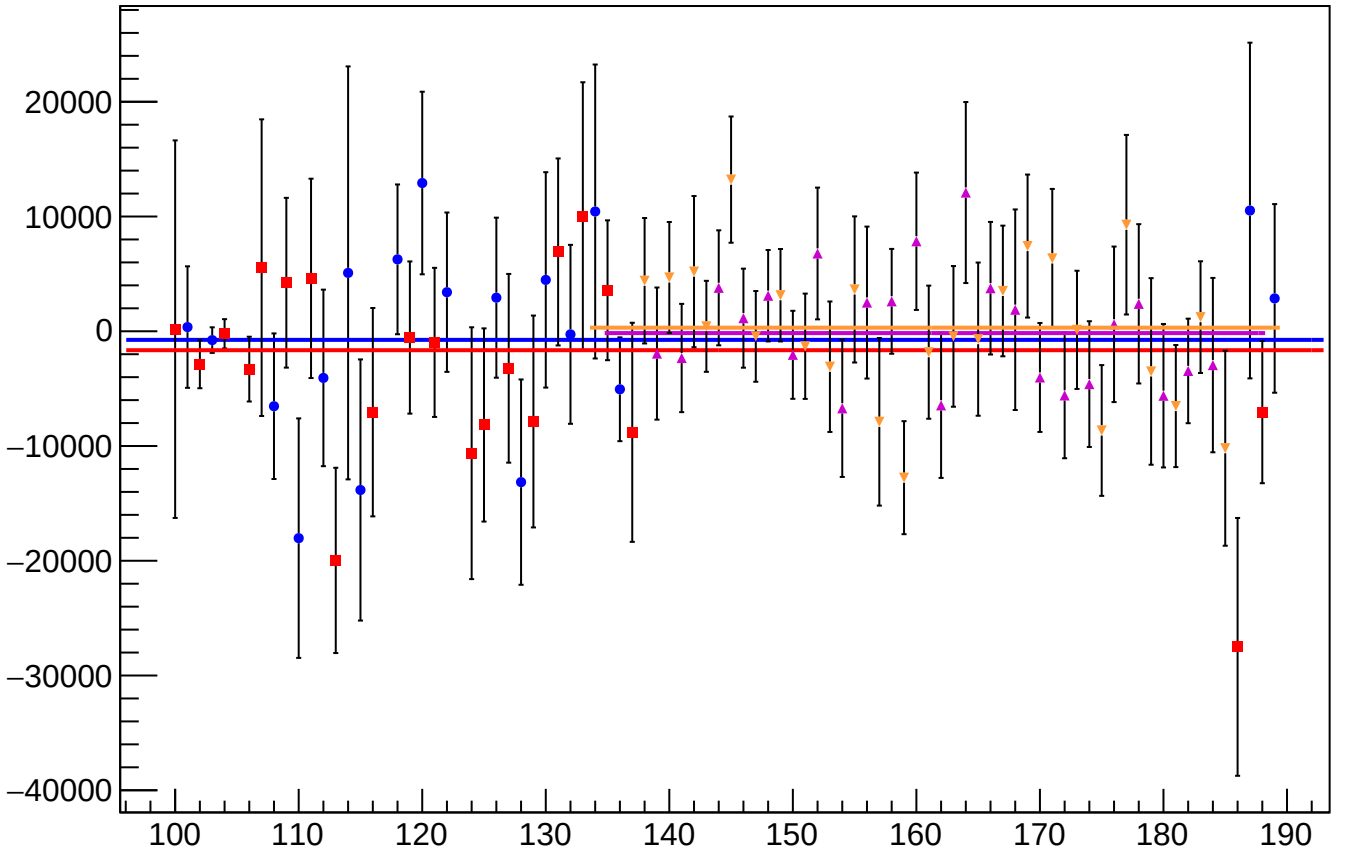
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1872.831+/-0.327 χ^2/NDF: 635482.4/38

In: 1742.515+/-0.241 χ^2/NDF:358448.1/40

Out: 1760.636+/-0.236 χ^2/NDF:543789.5/45

All: 1751.771+/-0.169 χ^2/NDF: 905124.5/86



Right In: -749.541+/-954.341 χ^2/NDF: 14.7/17

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1651.161+/-903.150 χ^2/NDF: 20.2/20

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

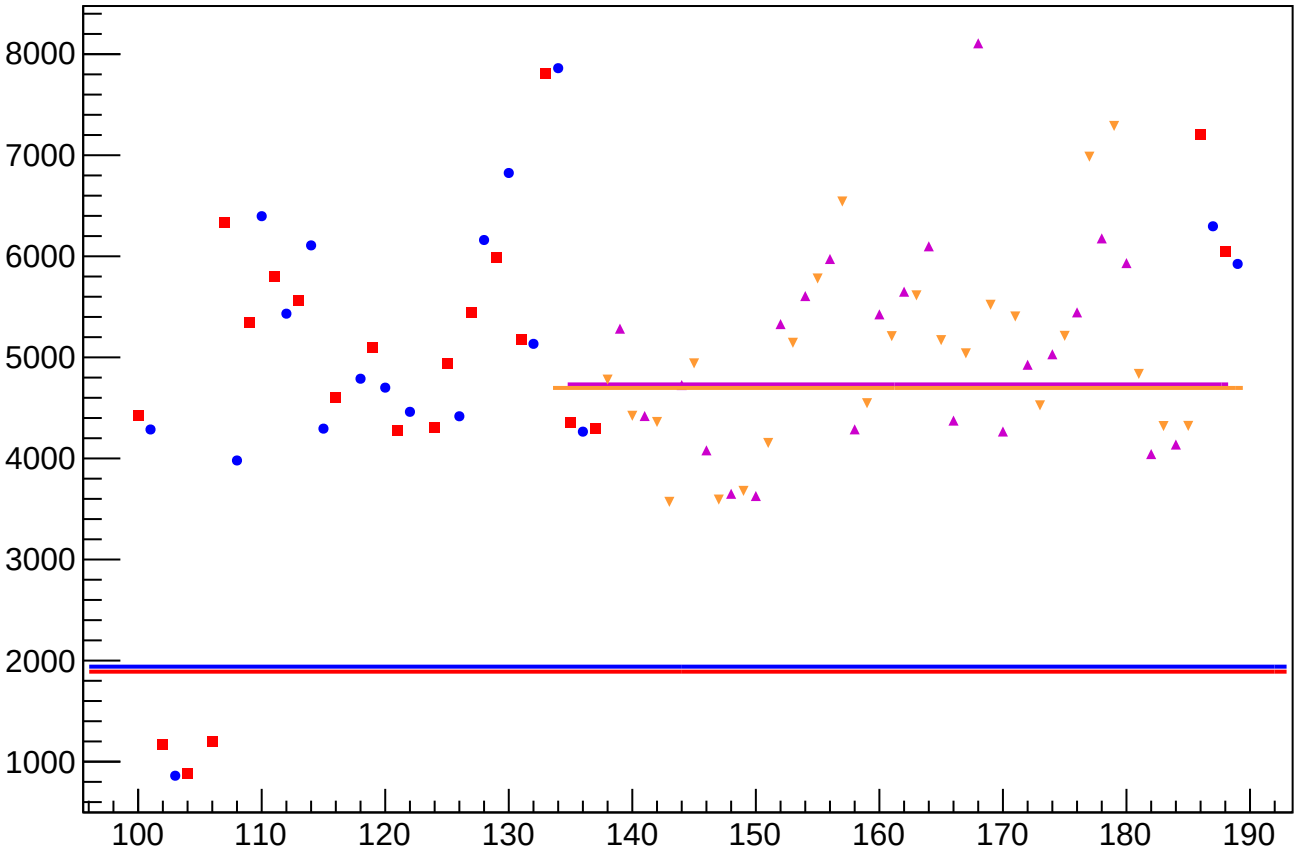
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1225.180+/-655.974 χ^2/NDF: 35.3/38

In: -502.862+/-728.689 χ^2/NDF:29.5/40

Out: -852.899+/-695.955 χ^2/NDF:49.1/45

All: -685.919+/-503.289 χ^2/NDF: 78.8/86



Right In: 1939.976+/-0.675 χ^2/NDF: 7508815.0/17

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1890.375+/-0.639 χ^2/NDF: 7819574.2/20

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

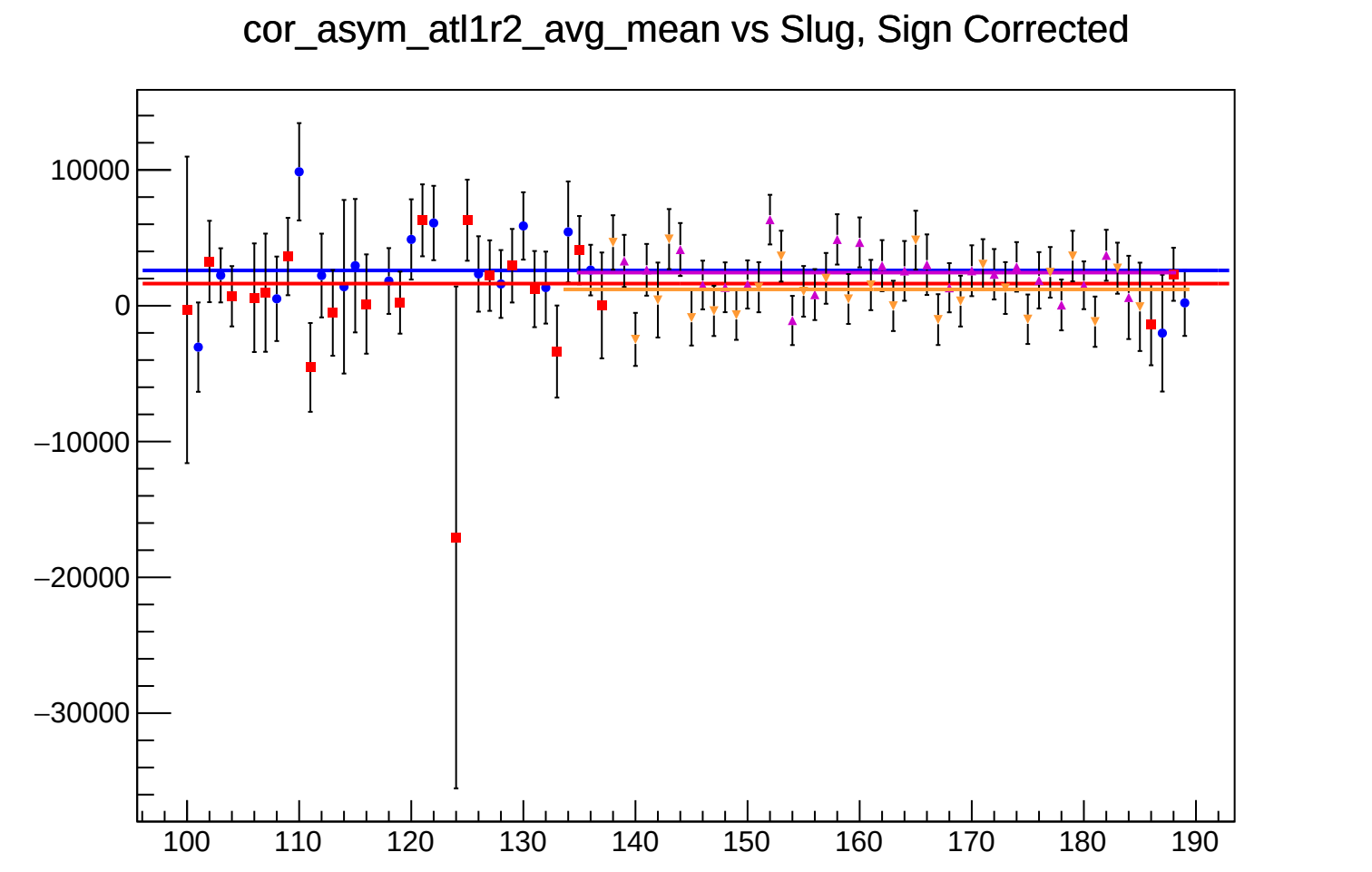
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 1913.810+/-0.464 χ^2/NDF: 15331239.3/38

In: 3104.396+/-0.515 χ^2/NDF:15891923.9/40

Out: 3030.669+/-0.492 χ^2/NDF:16907830.8/45

All: 3065.839+/-0.356 χ^2/NDF: 32810461.9/8



Right In: 2597.898+/-660.419 χ^2/NDF: 14.8/17

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1629.879+/-649.199 χ^2/NDF: 16.9/20

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

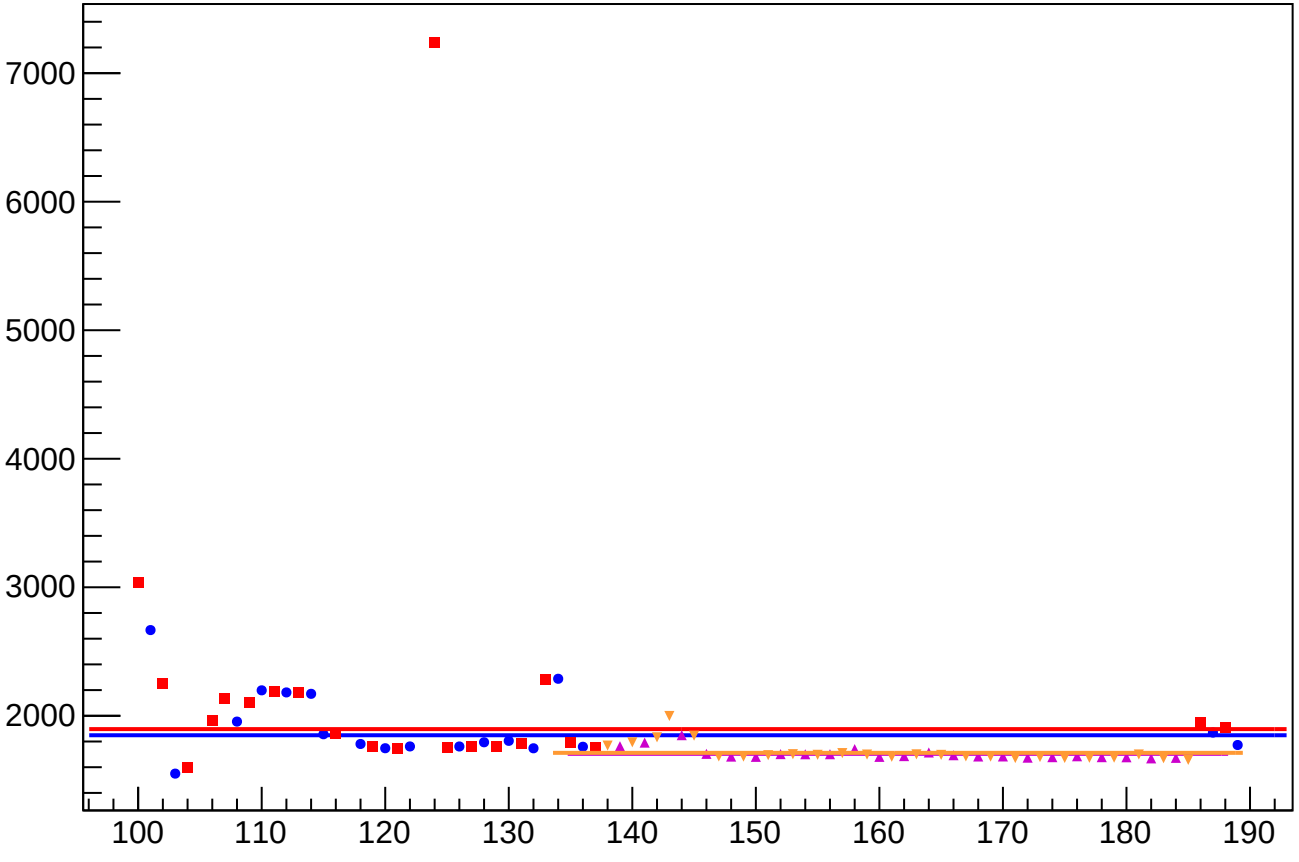
Right: 2105.596+/-462.969 χ^2/NDF: 32.8/38

In: 2481.285+/-340.864 χ^2/NDF:32.3/40

Out: 1315.322+/-333.769 χ^2/NDF:43.6/45

All: 1886.042+/-238.479 χ^2/NDF: 81.8/86

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.4/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.479+/-0.458 χ^2/NDF: 365005.6/20

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

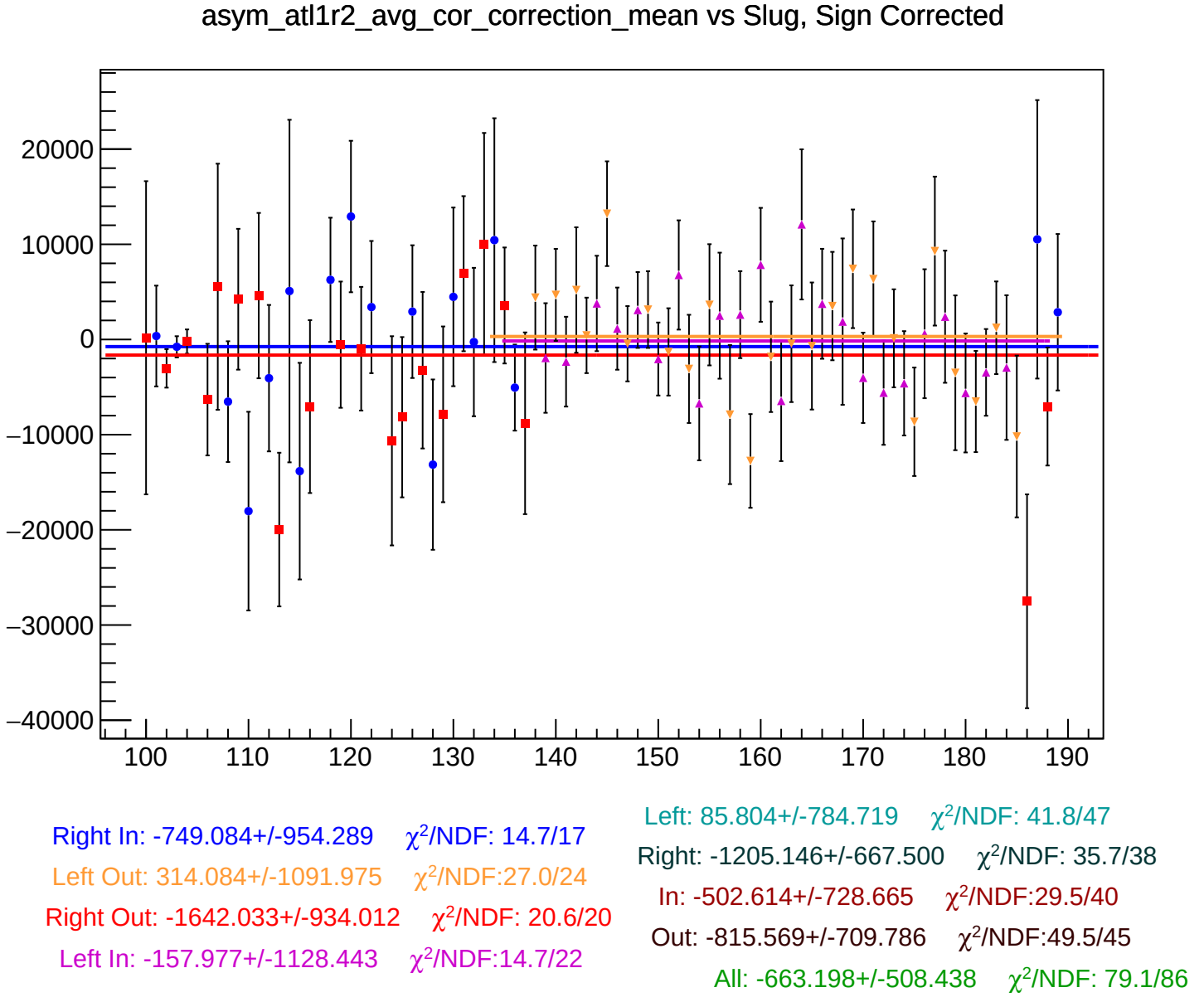
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

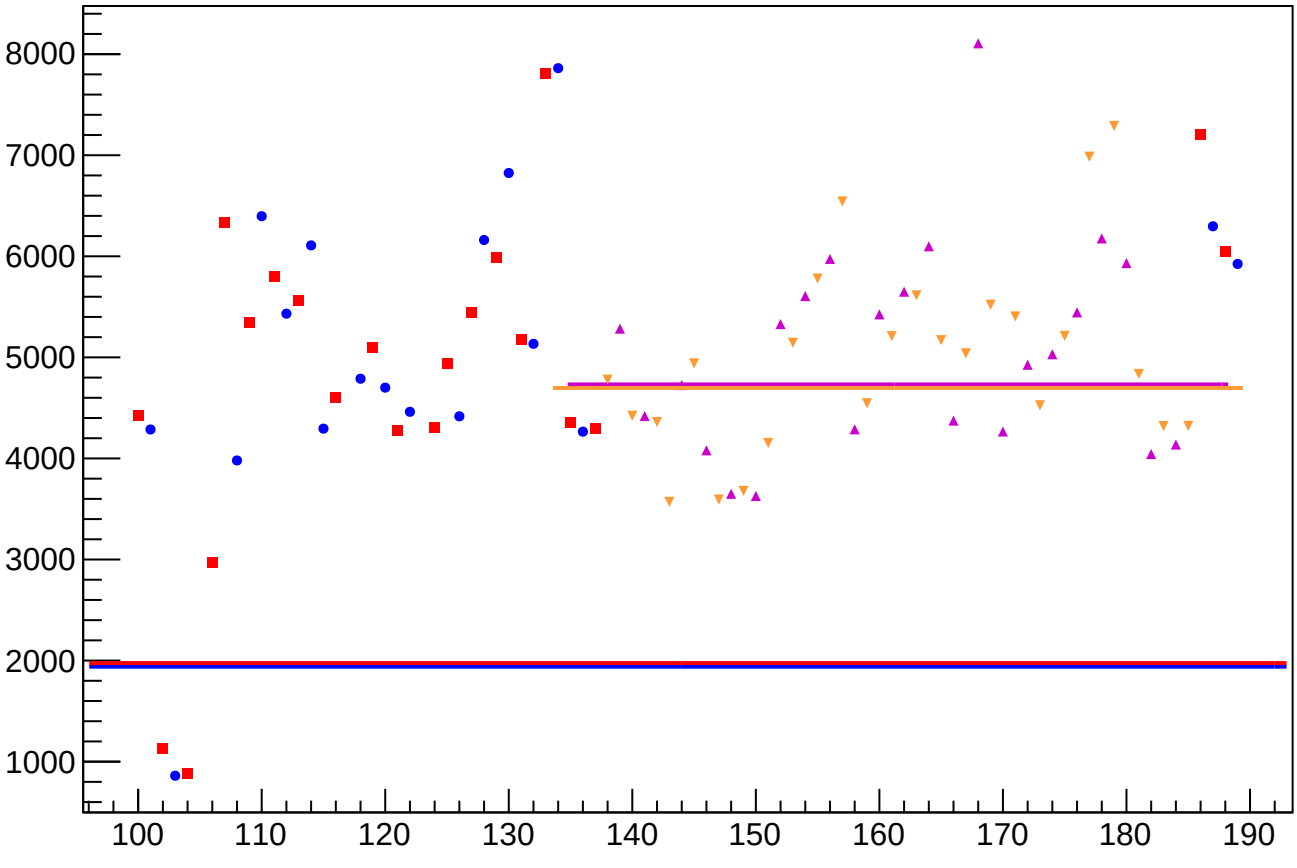
Right: 1873.024+/-0.327 χ^2/NDF: 635792.3/38

In: 1742.515+/-0.241 χ^2/NDF:358448.0/40

Out: 1760.725+/-0.236 χ^2/NDF:544482.7/45

All: 1751.816+/-0.169 χ^2/NDF: 905845.9/86


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -749.084+/-954.289 χ²/NDF: 14.7/17
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1642.033+/-934.012 χ²/NDF: 20.6/20
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1205.146+/-667.500 χ²/NDF: 35.7/38
In: -502.614+/-728.665 χ²/NDF:29.5/40
Out: -815.569+/-709.786 χ²/NDF:49.5/45
All: -663.198+/-508.438 χ²/NDF: 79.1/86



Right In: 1939.818+/-0.675 χ^2/NDF: 7509286.9/17

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1975.412+/-0.660 χ^2/NDF: 7793760.8/20

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

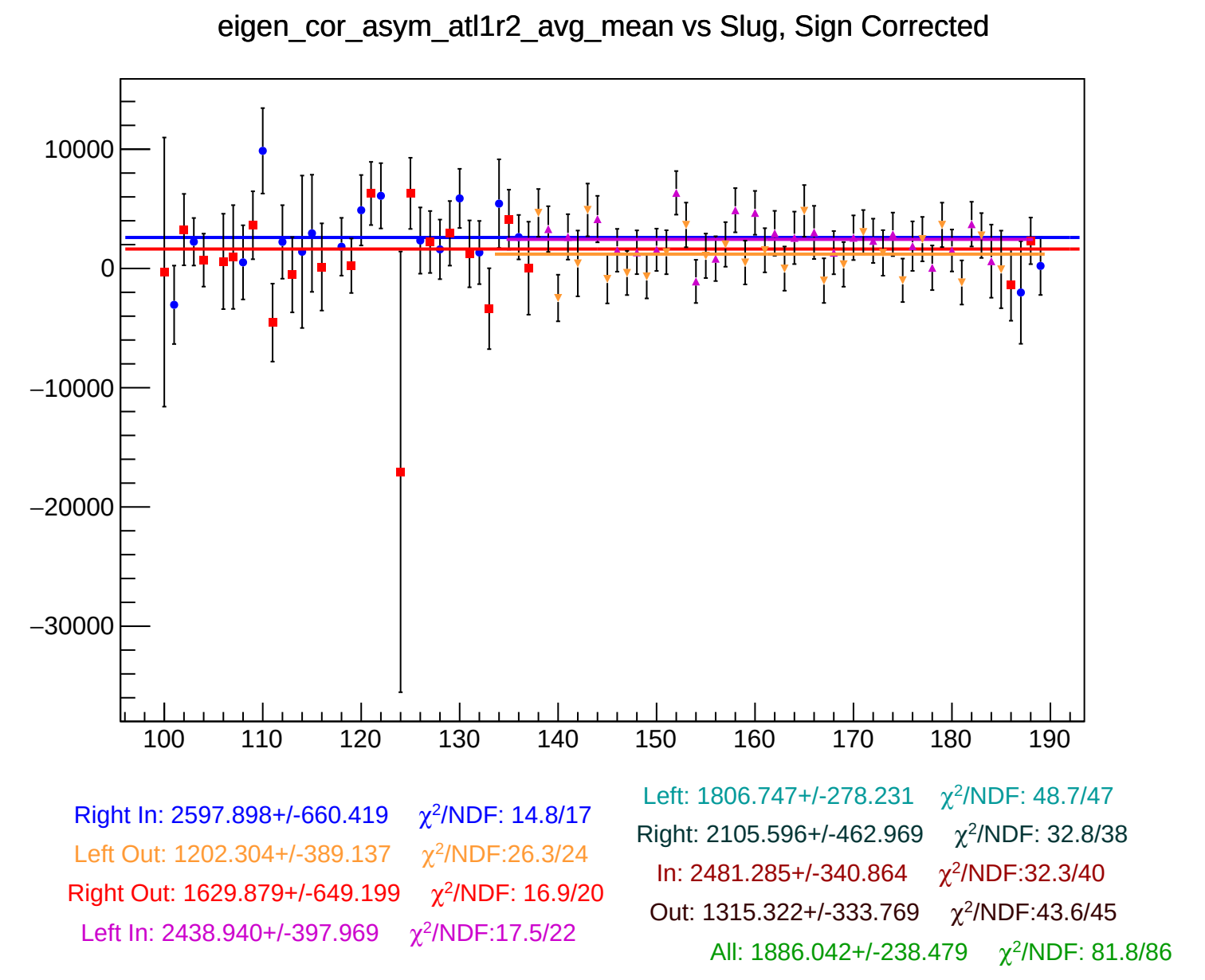
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

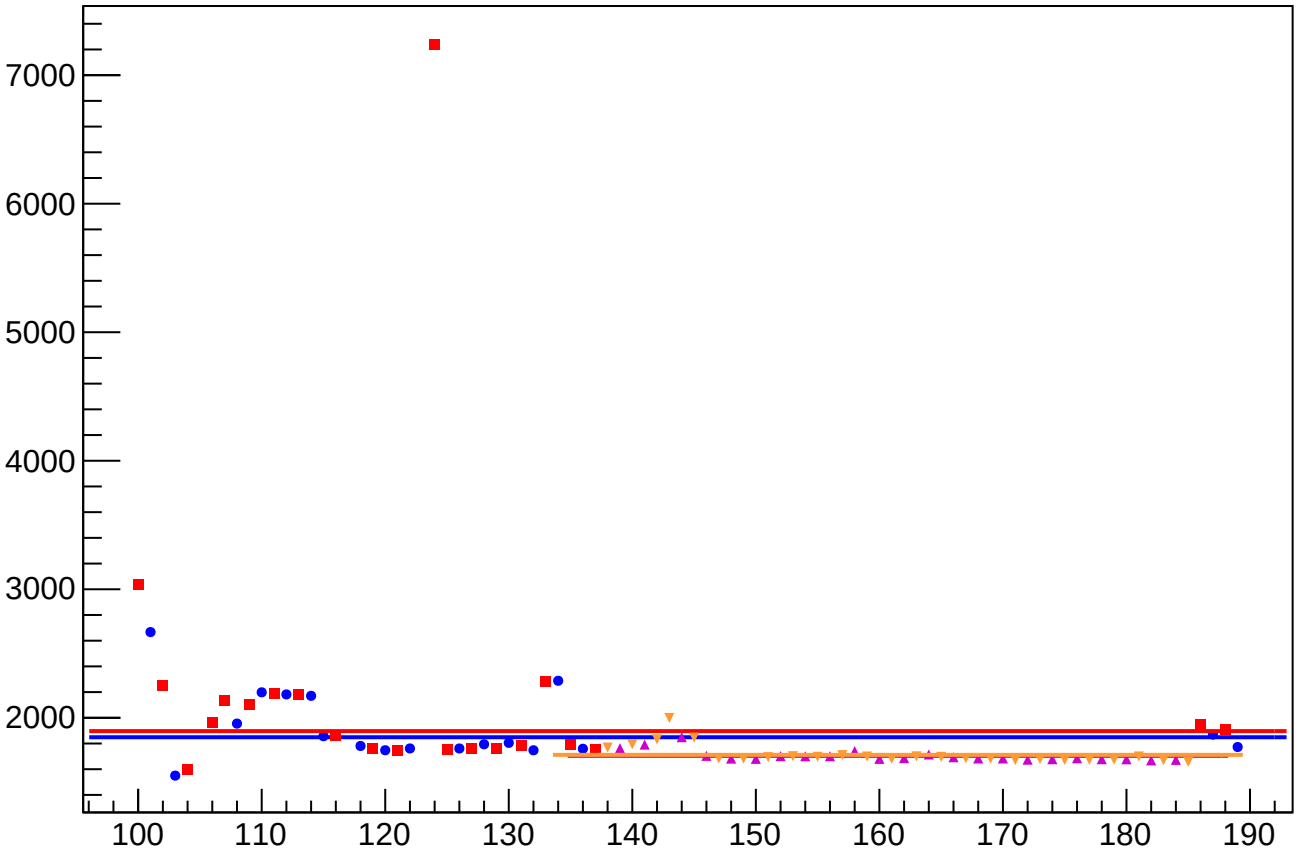
Right: 1957.997+/-0.472 χ^2/NDF: 15304468.7/38

In: 3104.229+/-0.515 χ^2/NDF:15893534.4/40

Out: 3125.551+/-0.502 χ^2/NDF:16211032.8/45

All: 3115.170+/-0.360 χ^2/NDF: 32105445.9/8


eigen_cor_asym_atl1r2_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 2597.898+/-660.419 χ²/NDF: 14.8/17
Left Out: 1202.304+/-389.137 χ²/NDF:26.3/24
Right Out: 1629.879+/-649.199 χ²/NDF: 16.9/20
Left In: 2438.940+/-397.969 χ²/NDF:17.5/22
Left: 1806.747+/-278.231 χ²/NDF: 48.7/47
Right: 2105.596+/-462.969 χ²/NDF: 32.8/38
In: 2481.285+/-340.864 χ²/NDF:32.3/40
Out: 1315.322+/-333.769 χ²/NDF:43.6/45
All: 1886.042+/-238.479 χ²/NDF: 81.8/86



Right In: 1848.666+/-0.467 χ^2/NDF: 265446.4/17

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.479+/-0.458 χ^2/NDF: 365005.6/20

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

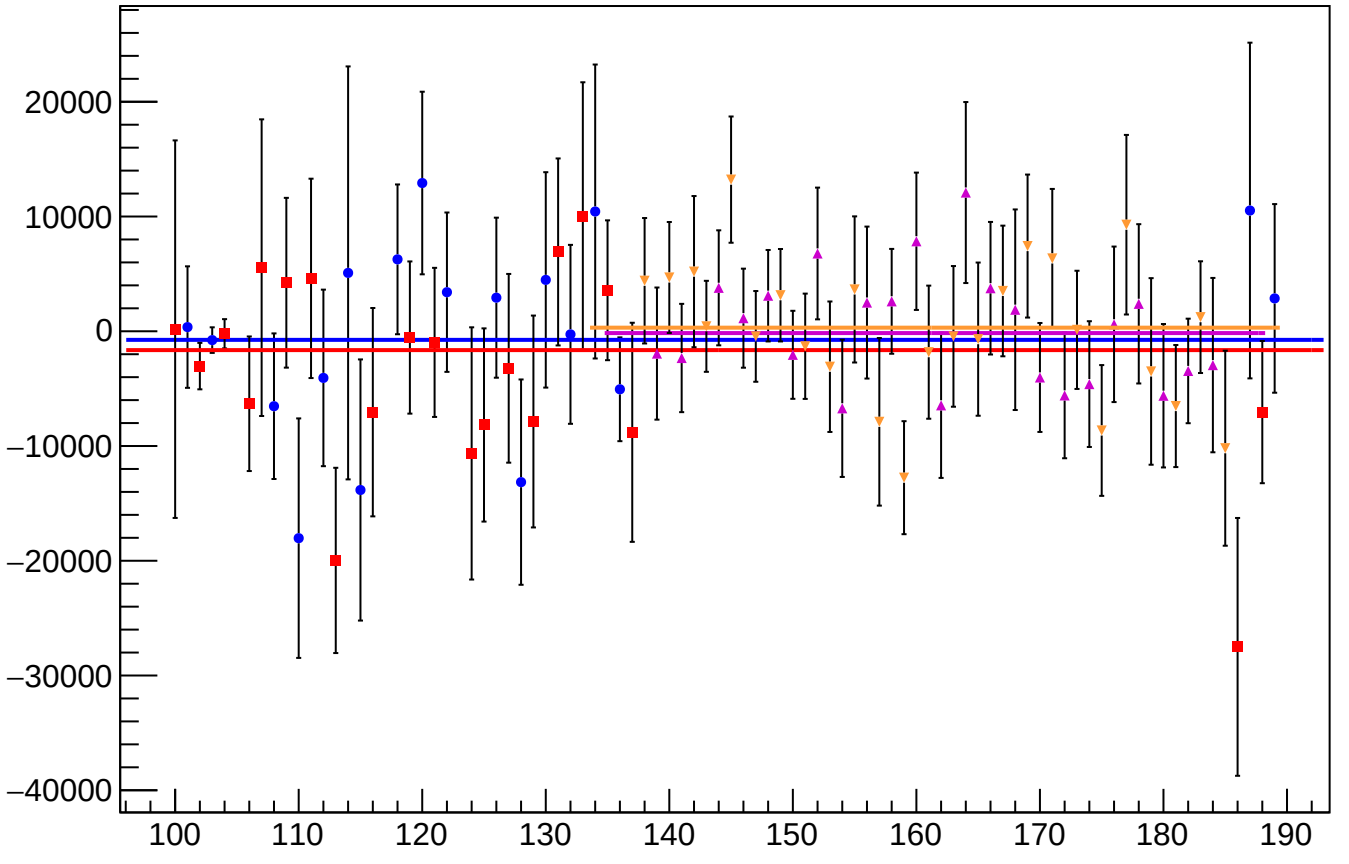
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1873.024+/-0.327 χ^2/NDF: 635792.3/38

In: 1742.515+/-0.241 χ^2/NDF:358448.0/40

Out: 1760.725+/-0.236 χ^2/NDF:544482.7/45

All: 1751.816+/-0.169 χ^2/NDF: 905845.9/86



Right In: -749.084+/-954.289 χ^2/NDF: 14.7/17

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1642.033+/-934.012 χ^2/NDF: 20.6/20

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

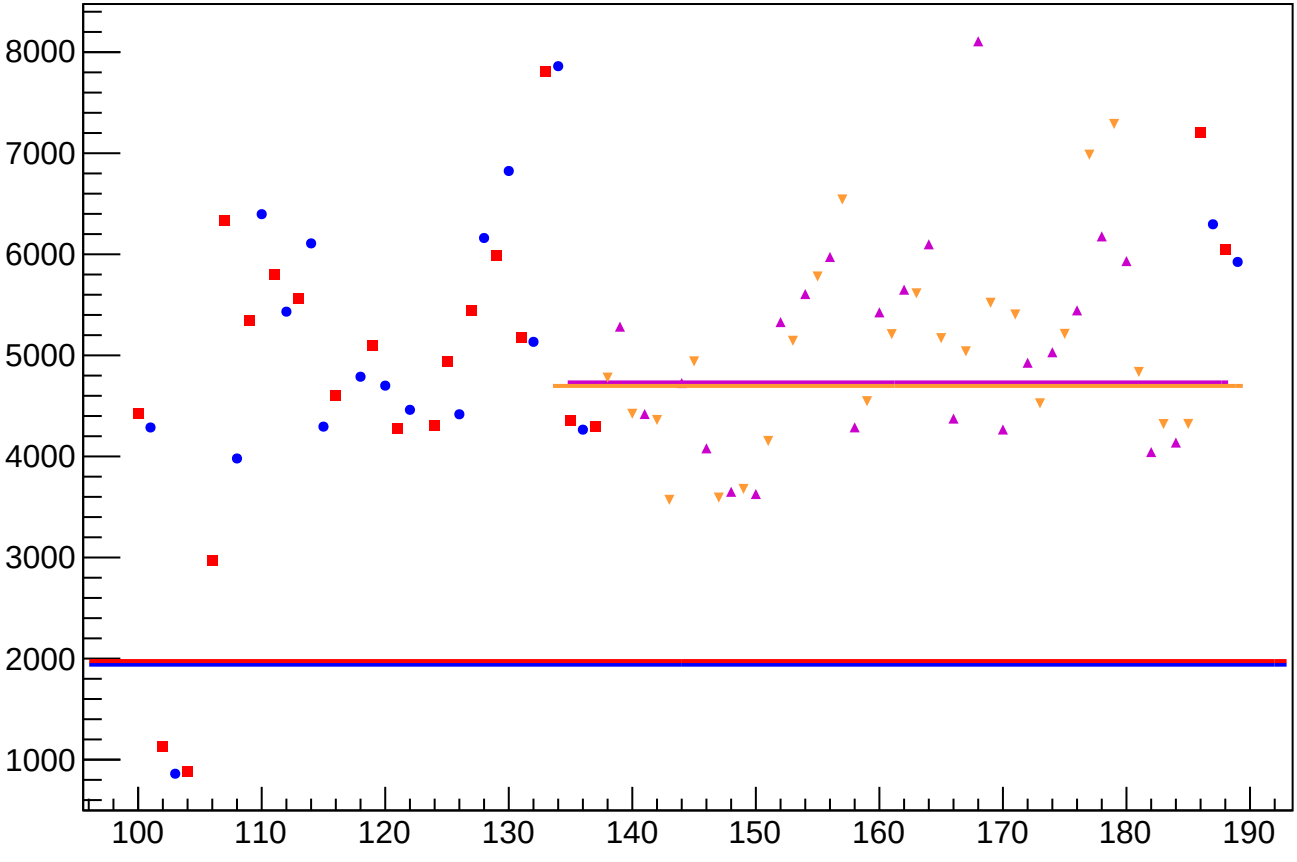
Right: -1205.146+/-667.500 χ^2/NDF: 35.7/38

In: -502.614+/-728.665 χ^2/NDF:29.5/40

Out: -815.569+/-709.786 χ^2/NDF:49.5/45

All: -663.198+/-508.438 χ^2/NDF: 79.1/86

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1939.818+/-0.675 χ^2/NDF: 7509286.9/17

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1975.412+/-0.660 χ^2/NDF: 7793760.8/20

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

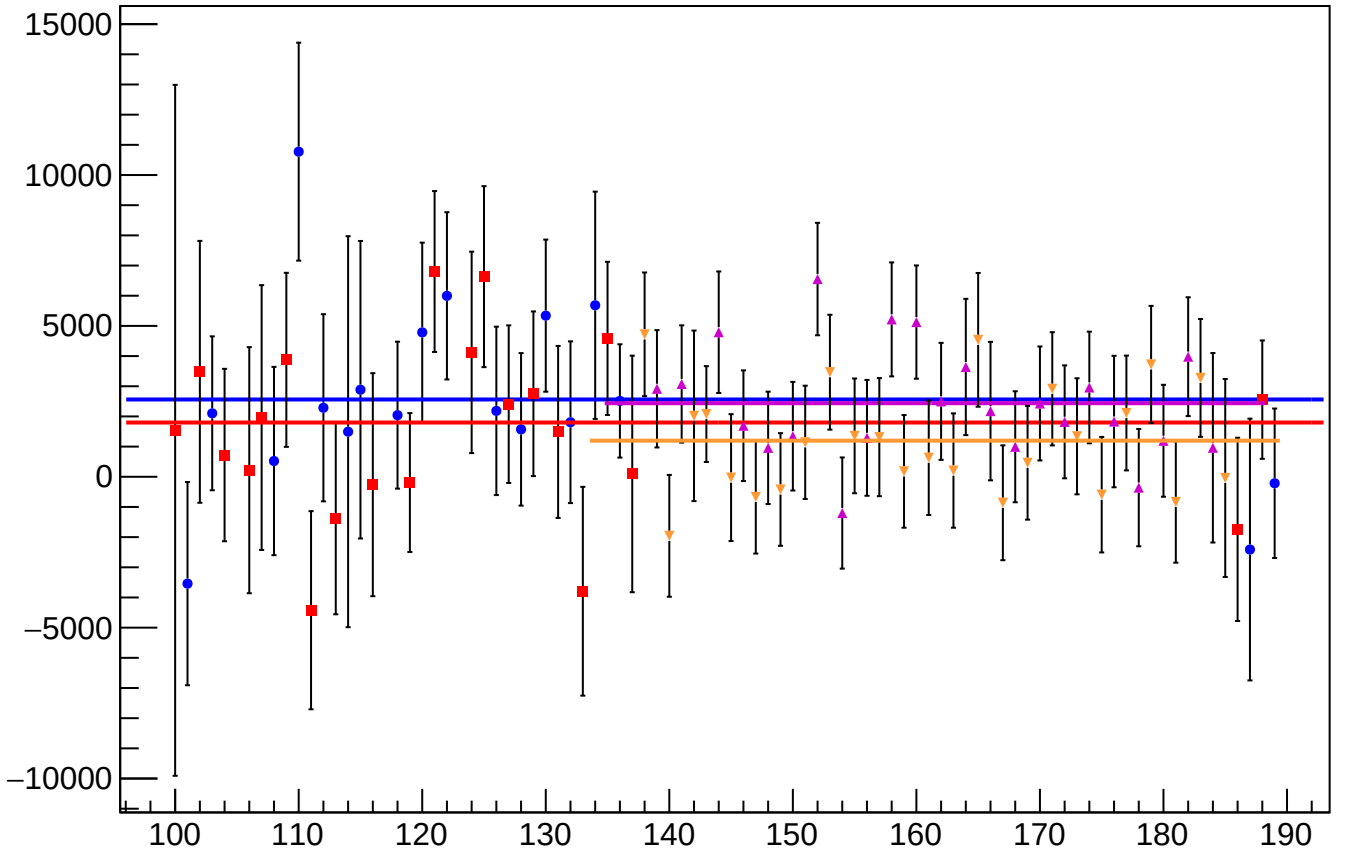
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1957.997+/-0.472 χ^2/NDF: 15304468.7/38

In: 3104.229+/-0.515 χ^2/NDF:15893534.4/40

Out: 3125.551+/-0.502 χ^2/NDF:16211032.8/45

All: 3115.170+/-0.360 χ^2/NDF: 32105445.9/8



Right In: 2561.763+/-681.315 χ^2/NDF: 15.8/17

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1797.942+/-661.248 χ^2/NDF: 18.9/20

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

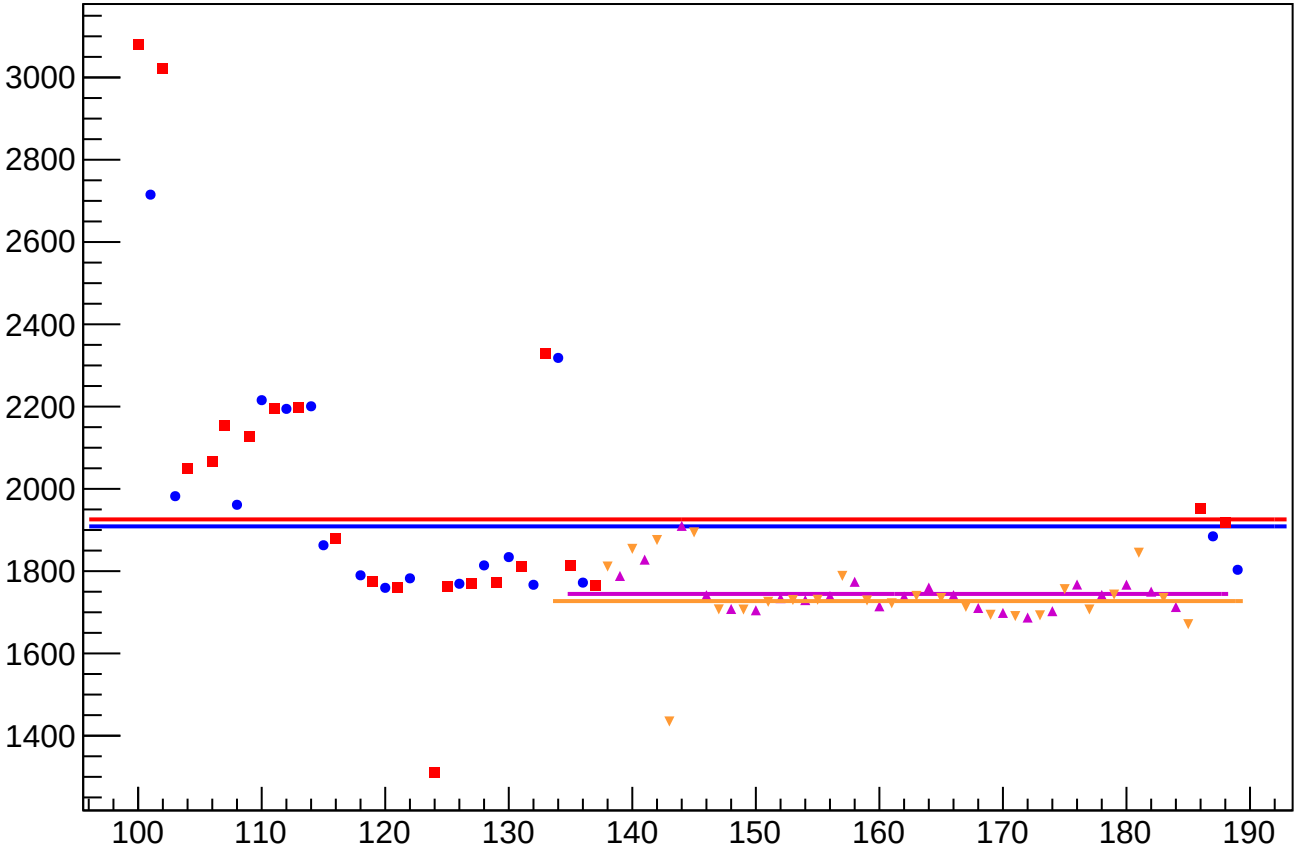
Right: 2168.439+/-474.509 χ^2/NDF: 35.4/38

In: 2470.661+/-349.752 χ^2/NDF:36.4/40

Out: 1354.118+/-337.825 χ^2/NDF:39.0/45

All: 1893.026+/-242.986 χ^2/NDF: 80.7/86

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1908.828+/-0.482 χ^2/NDF: 219638.8/17

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1925.800+/-0.467 χ^2/NDF: 339280.2/20

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

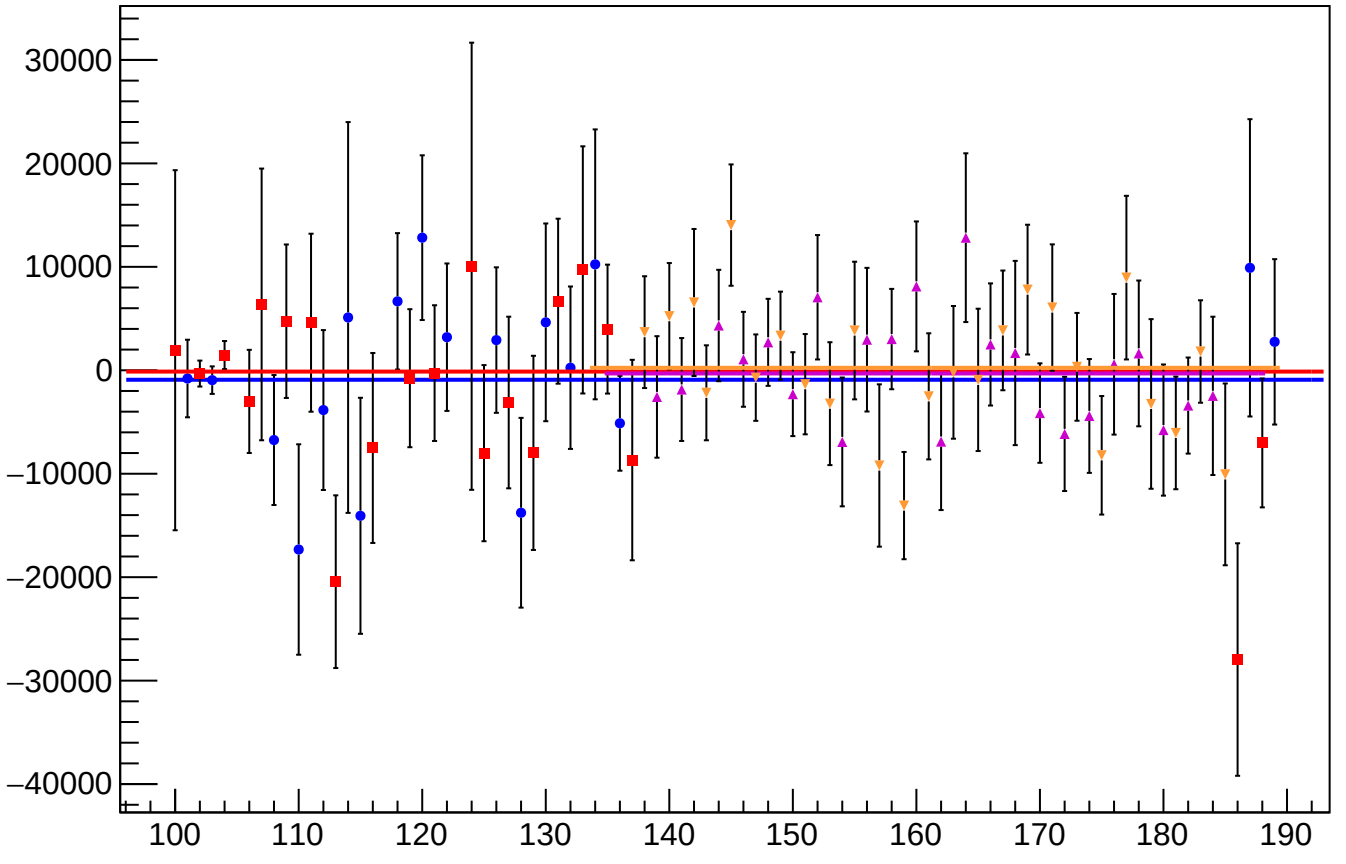
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1917.573+/-0.335 χ^2/NDF: 559558.5/38

In: 1787.903+/-0.247 χ^2/NDF:331984.9/40

Out: 1779.115+/-0.239 χ^2/NDF:582960.7/45

All: 1783.355+/-0.172 χ^2/NDF: 915598.8/86



Right In: -915.687+/-1059.988 χ^2/NDF: 14.6/17

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -124.476+/-825.995 χ^2/NDF: 21.2/20

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

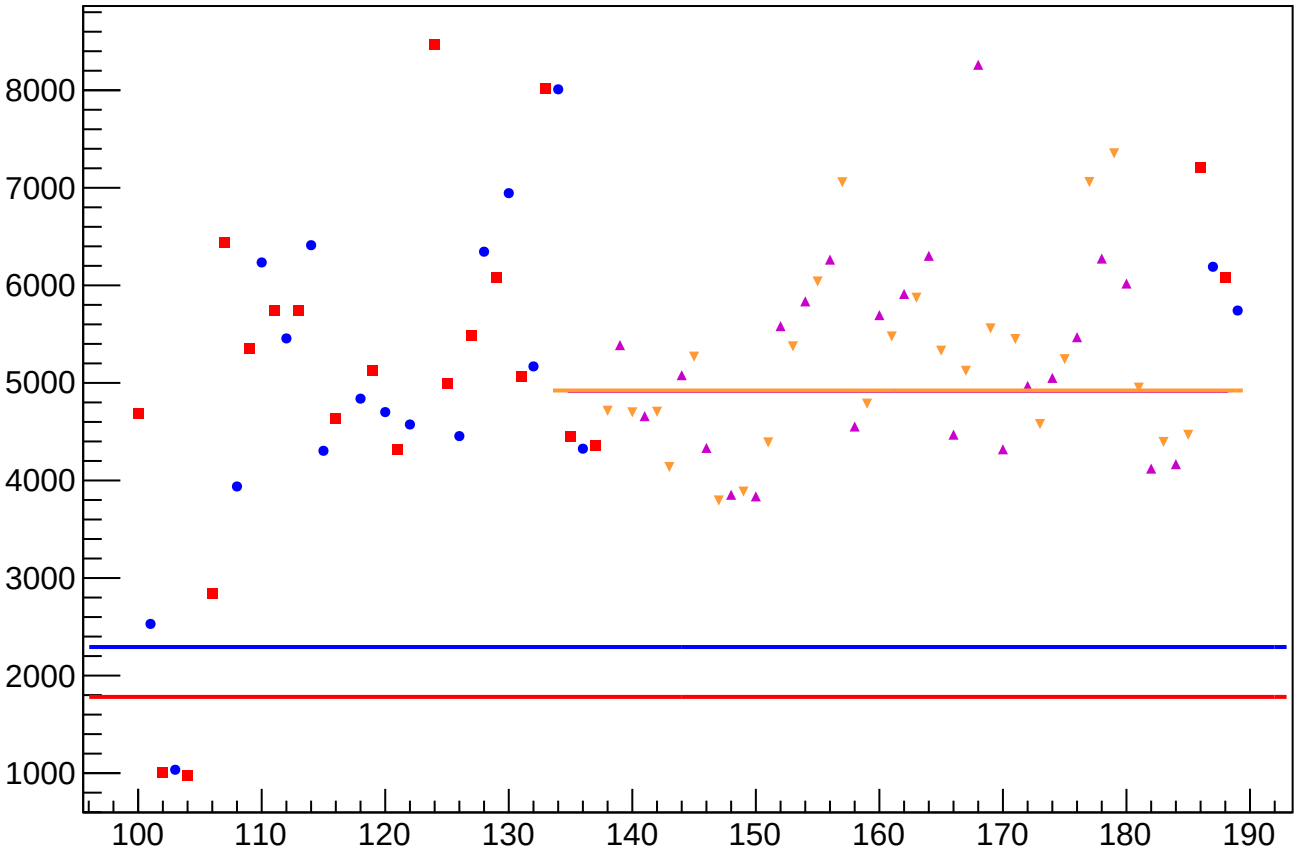
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -423.405+/-651.536 χ^2/NDF: 36.2/38

In: -641.159+/-785.854 χ^2/NDF:29.3/40

Out: 1.247+/-669.069 χ^2/NDF:48.0/45

All: -268.721+/-509.440 χ^2/NDF: 77.6/86



Right In: 2292.705+/-0.750 χ^2/NDF: 6030776.2/17

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1781.590+/-0.584 χ^2/NDF: 8306297.7/20

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

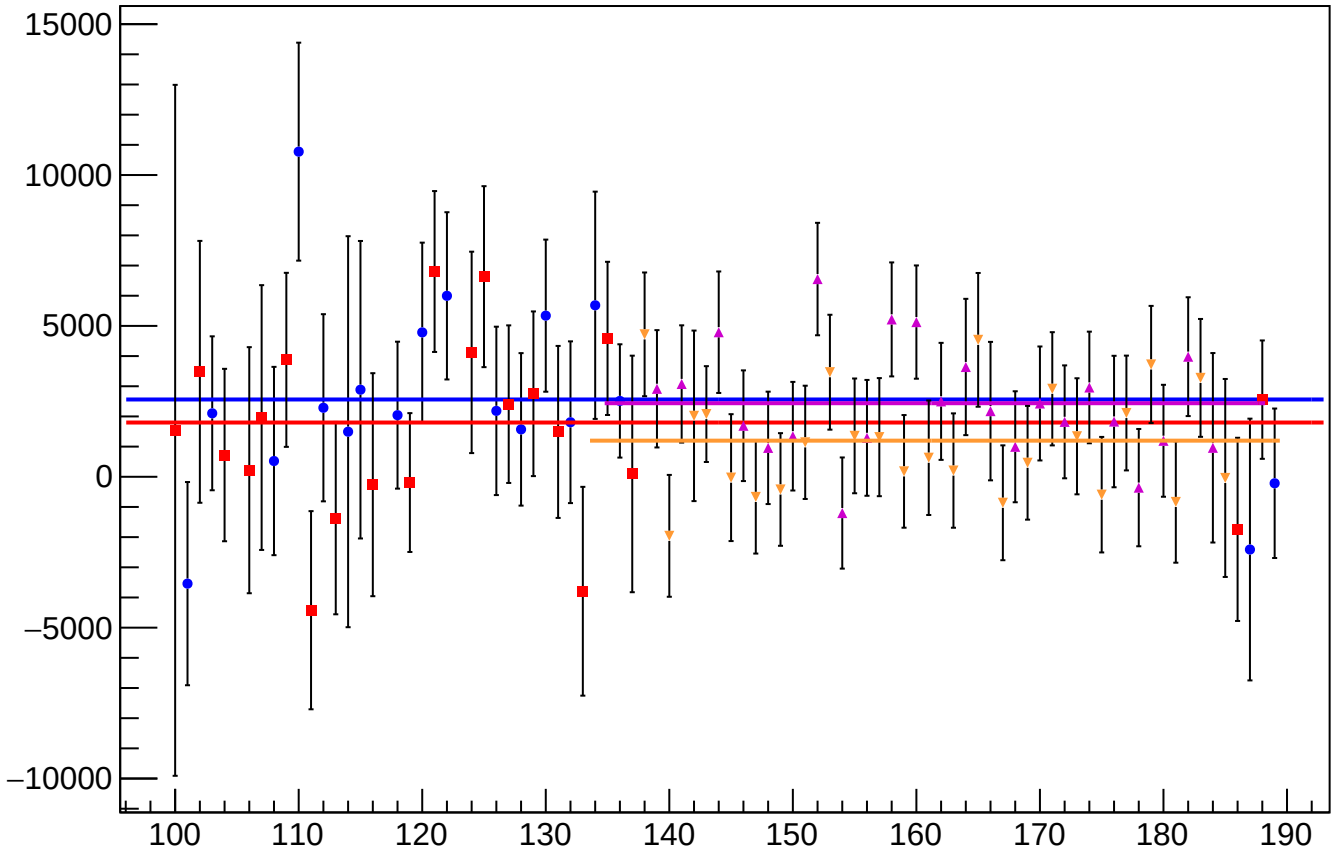
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 1974.695+/-0.461 χ^2/NDF: 14626399.4/38

In: 3474.555+/-0.556 χ^2/NDF:12713163.1/40

Out: 2861.628+/-0.473 χ^2/NDF:19300527.5/45

All: 3119.207+/-0.360 χ^2/NDF: 32719046.5/8



Right In: 2561.764+/-681.314 χ^2/NDF: 15.8/17

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1797.947+/-661.248 χ^2/NDF: 18.9/20

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

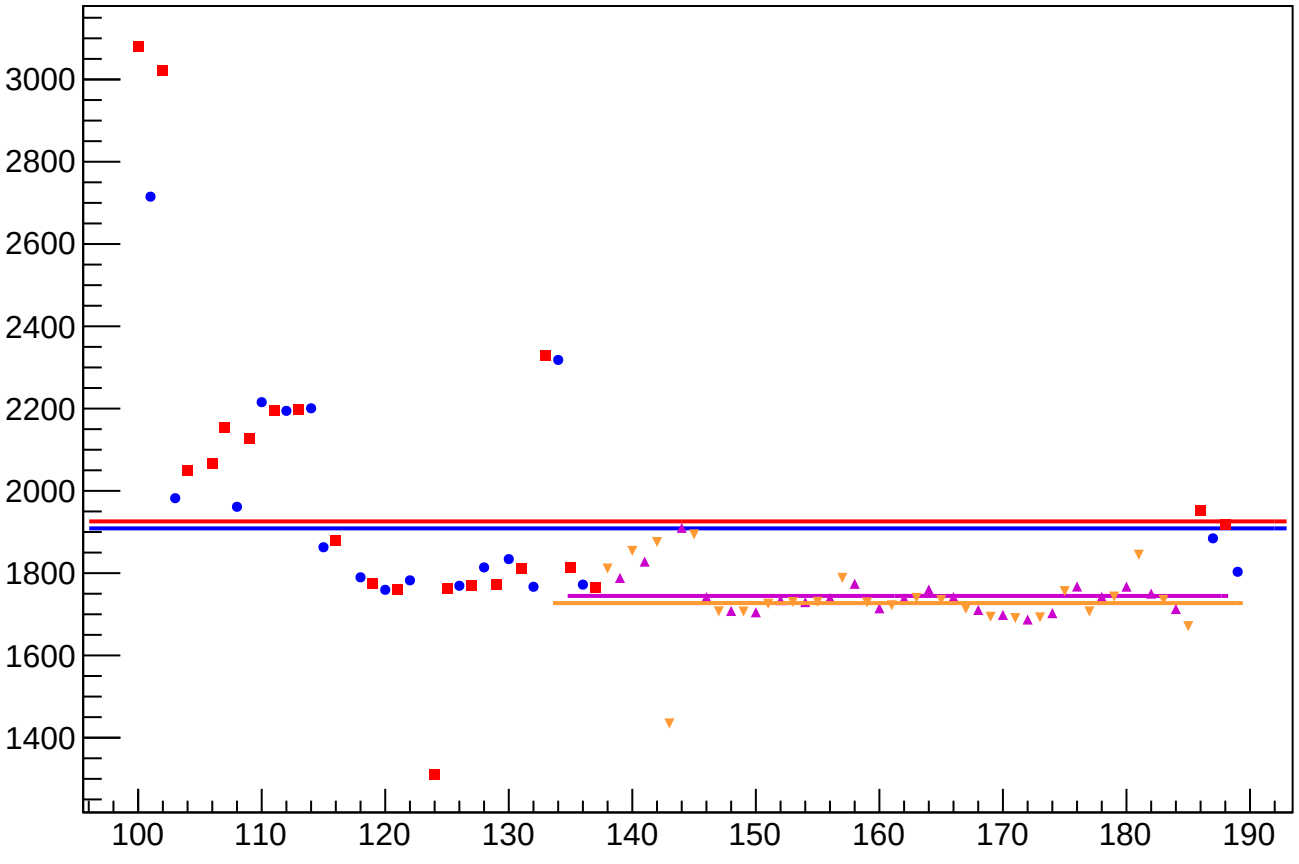
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2168.442+/-474.508 χ^2/NDF: 35.4/38

In: 2470.661+/-349.752 χ^2/NDF:36.4/40

Out: 1354.115+/-337.825 χ^2/NDF:39.0/45

All: 1893.025+/-242.986 χ^2/NDF: 80.7/86



Right In: 1908.827+/-0.482 χ^2/NDF: 219639.0/17

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1925.799+/-0.467 χ^2/NDF: 339279.2/20

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

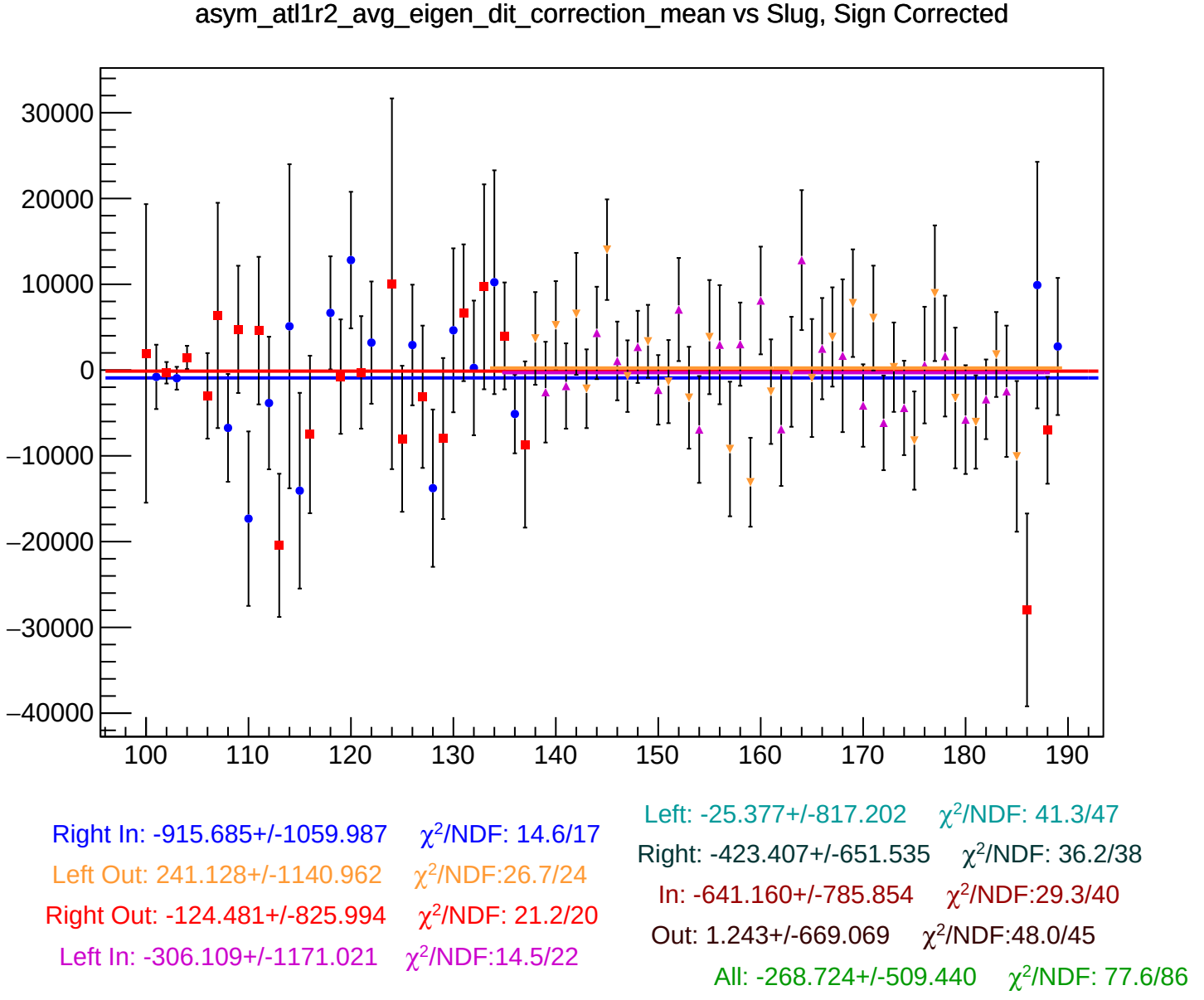
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

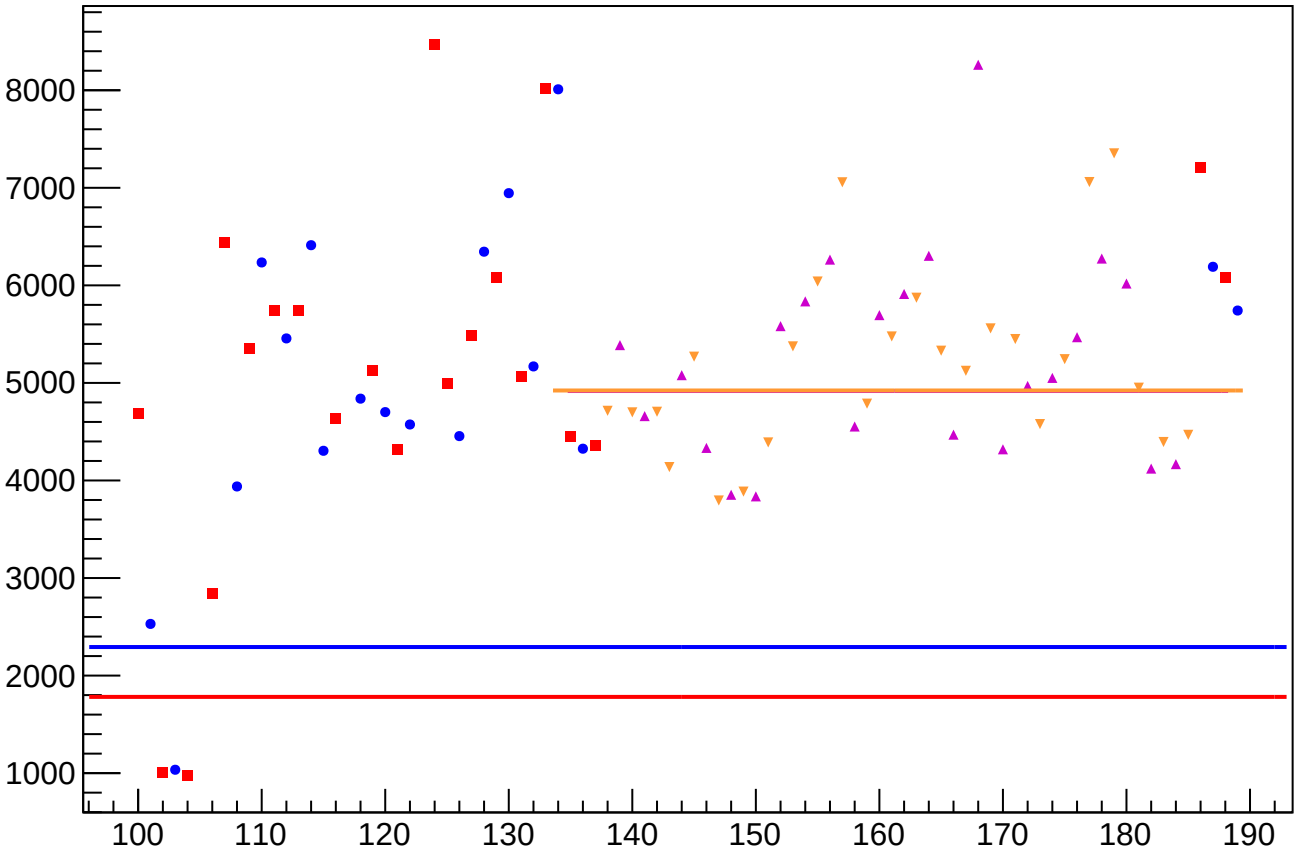
Right: 1917.572+/-0.335 χ^2/NDF: 559557.7/38

In: 1787.903+/-0.247 χ^2/NDF:331983.5/40

Out: 1779.115+/-0.239 χ^2/NDF:582957.0/45

All: 1783.356+/-0.172 χ^2/NDF: 915593.8/86


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -915.685+/-1059.987 χ²/NDF: 14.6/17
Left Out: 241.128+/-1140.962 χ²/NDF:26.7/24
Right Out: -124.481+/-825.994 χ²/NDF: 21.2/20
Left In: -306.109+/-1171.021 χ²/NDF:14.5/22
Left: -25.377+/-817.202 χ²/NDF: 41.3/47
Right: -423.407+/-651.535 χ²/NDF: 36.2/38
In: -641.160+/-785.854 χ²/NDF:29.3/40
Out: 1.243+/-669.069 χ²/NDF:48.0/45
All: -268.724+/-509.440 χ²/NDF: 77.6/86



Right In: 2292.704+/-0.750 χ^2/NDF: 6030770.6/17

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1781.590+/-0.584 χ^2/NDF: 8306290.7/20

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

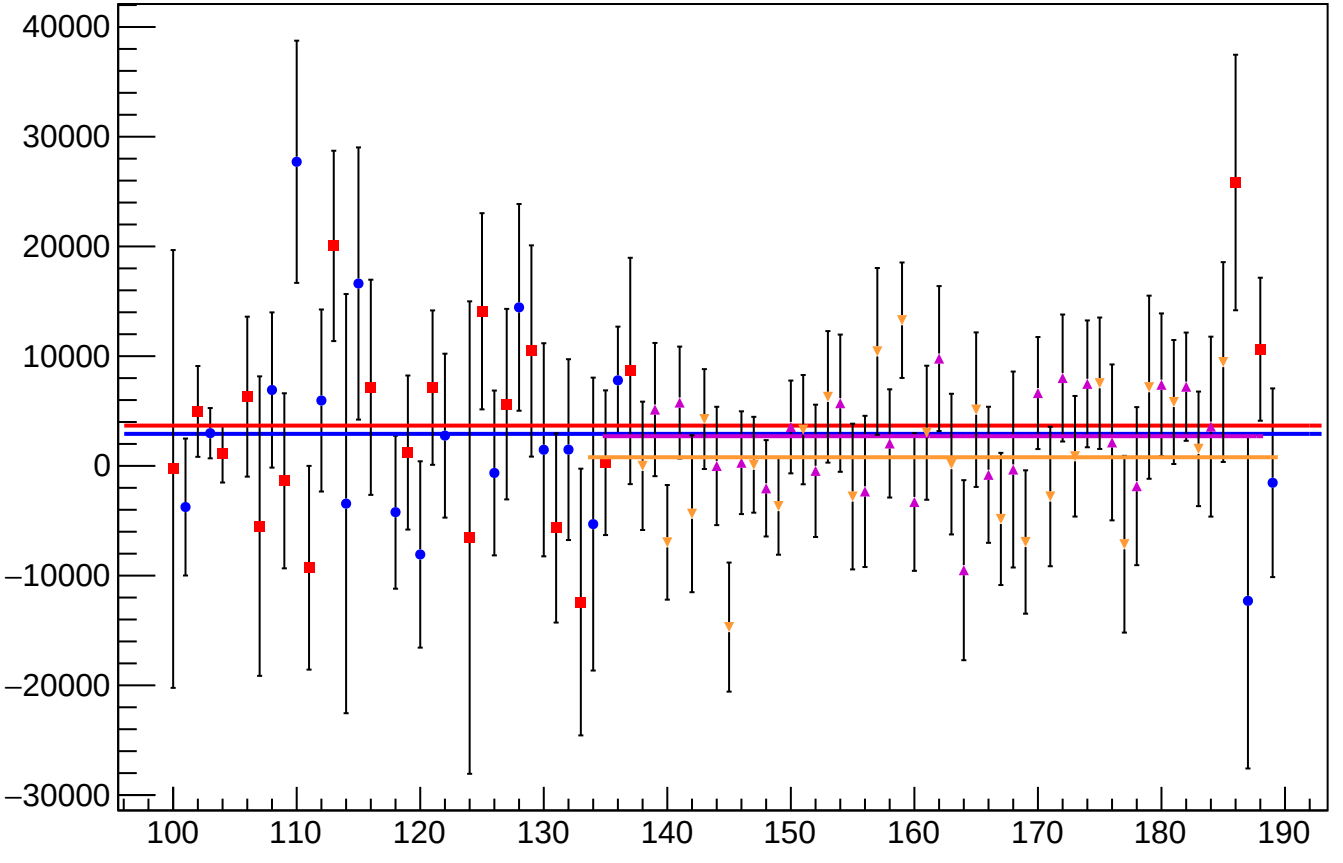
Right: 1974.695+/-0.461 χ^2/NDF: 14626386.8/38

In: 3474.555+/-0.556 χ^2/NDF:12713190.8/40

Out: 2861.627+/-0.473 χ^2/NDF:19300558.1/45

All: 3119.207+/-0.360 χ^2/NDF: 32719105.9/8

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2918.385+/-1507.783 χ^2/NDF: 15.1/17

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3671.991+/-1497.344 χ^2/NDF: 18.4/20

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

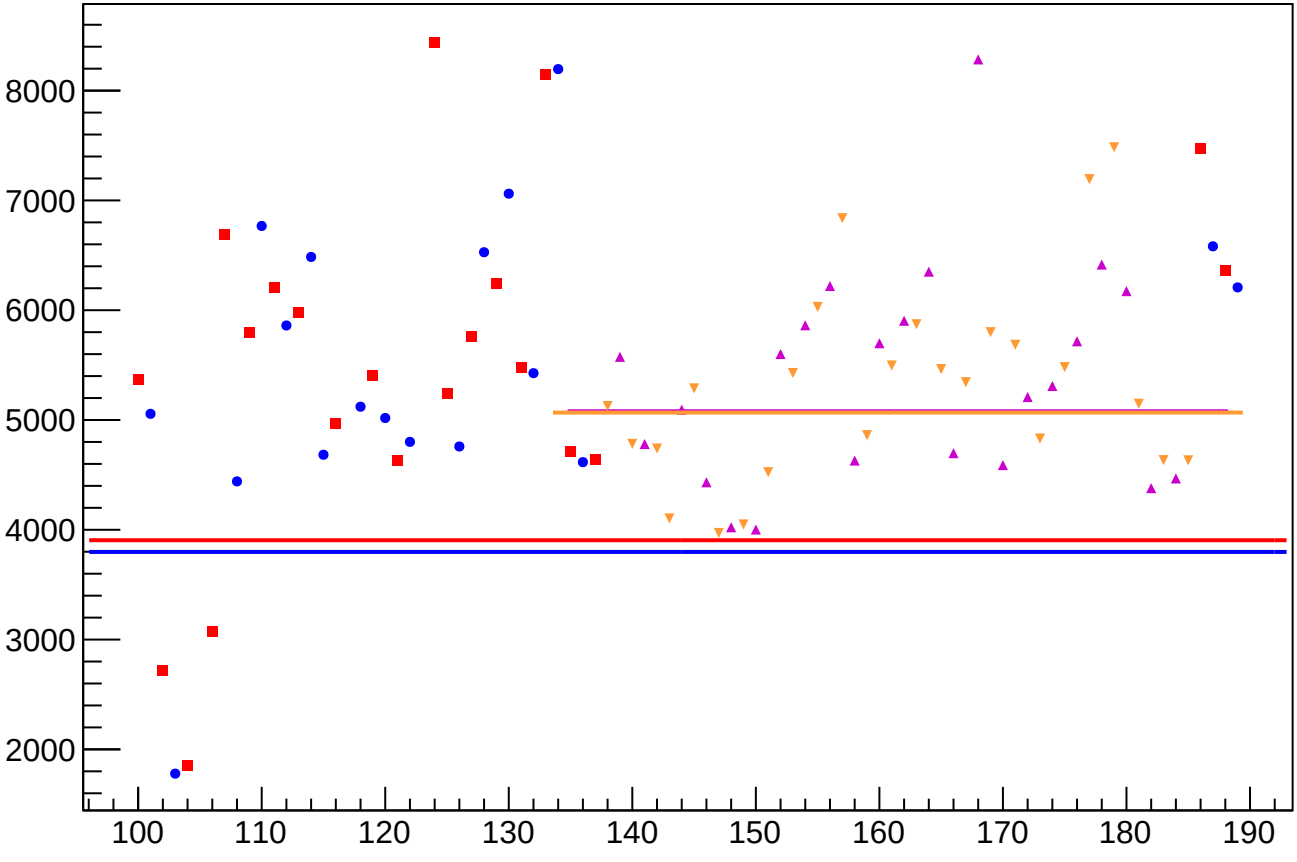
Right: 3297.806+/-1062.454 χ^2/NDF: 33.6/38

In: 2788.601+/-941.930 χ^2/NDF:27.0/40

Out: 1883.572+/-922.889 χ^2/NDF:48.3/45

All: 2326.846+/-659.210 χ^2/NDF: 75.8/86

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3798.276+/-1.066 χ^2/NDF: 3118477.7/17

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 3904.903+/-1.049 χ^2/NDF: 3190372.6/20

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

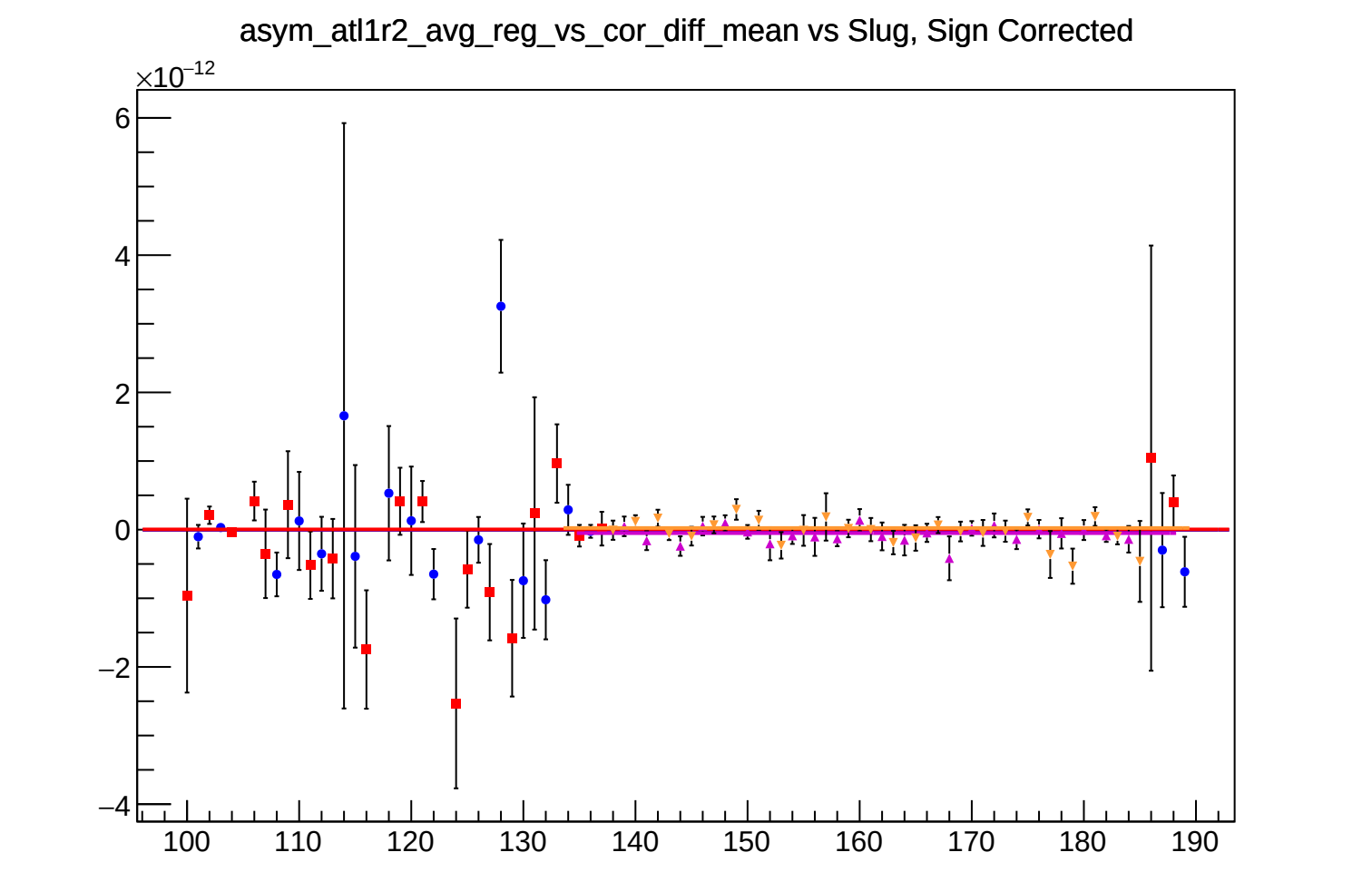
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 3852.458+/-0.748 χ^2/NDF: 6313932.8/38

In: 4579.613+/-0.666 χ^2/NDF:5000542.2/40

Out: 4620.959+/-0.650 χ^2/NDF:4901506.2/45

All: 4600.782+/-0.465 χ^2/NDF: 9904021.4/86



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/20

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

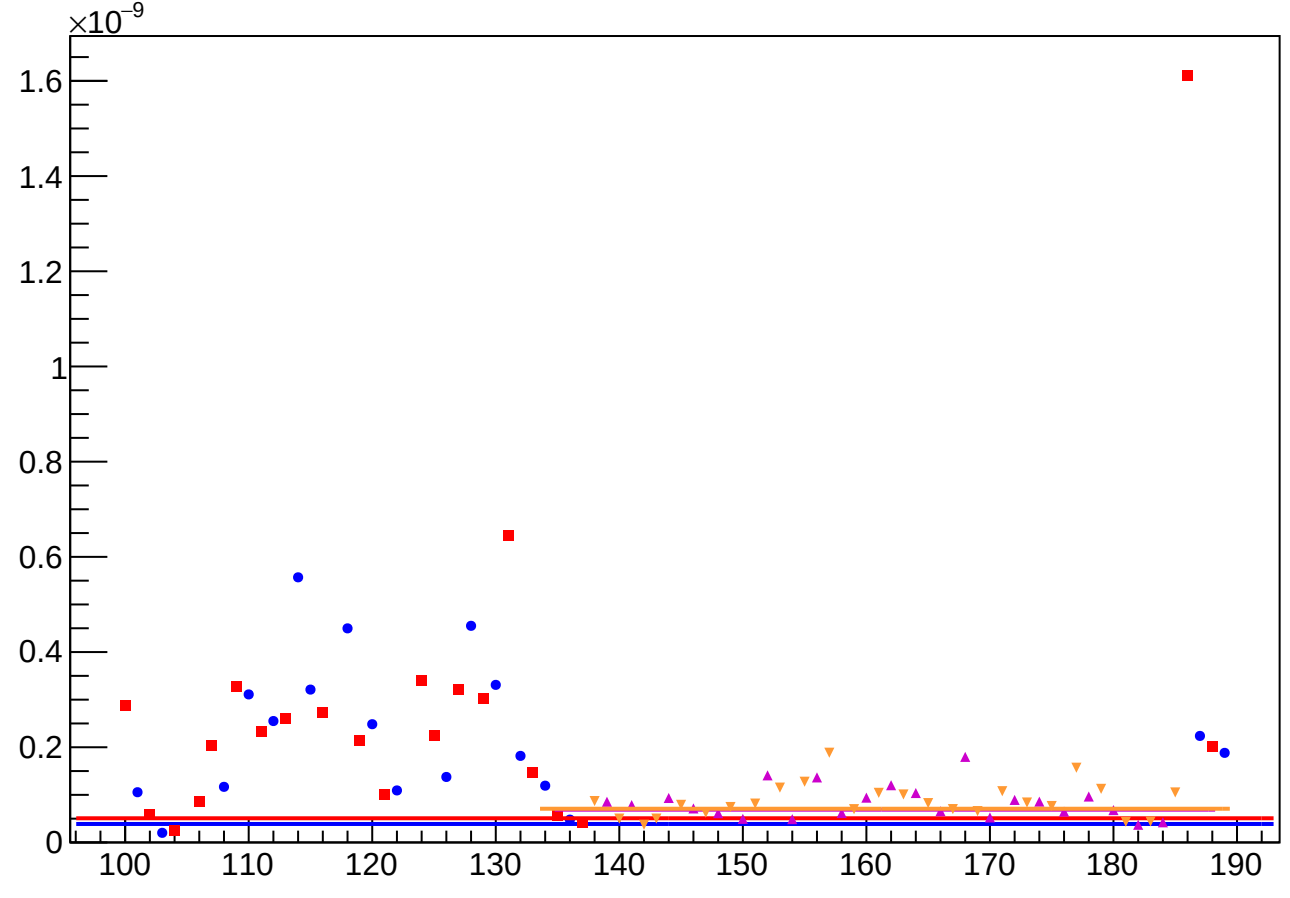
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.3/38

In: -0.000+/-0.000 χ^2/NDF:39.0/40

Out: 0.000+/-0.000 χ^2/NDF:53.1/45

All: -0.000+/-0.000 χ^2/NDF: 94.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 3413032.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3706338.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

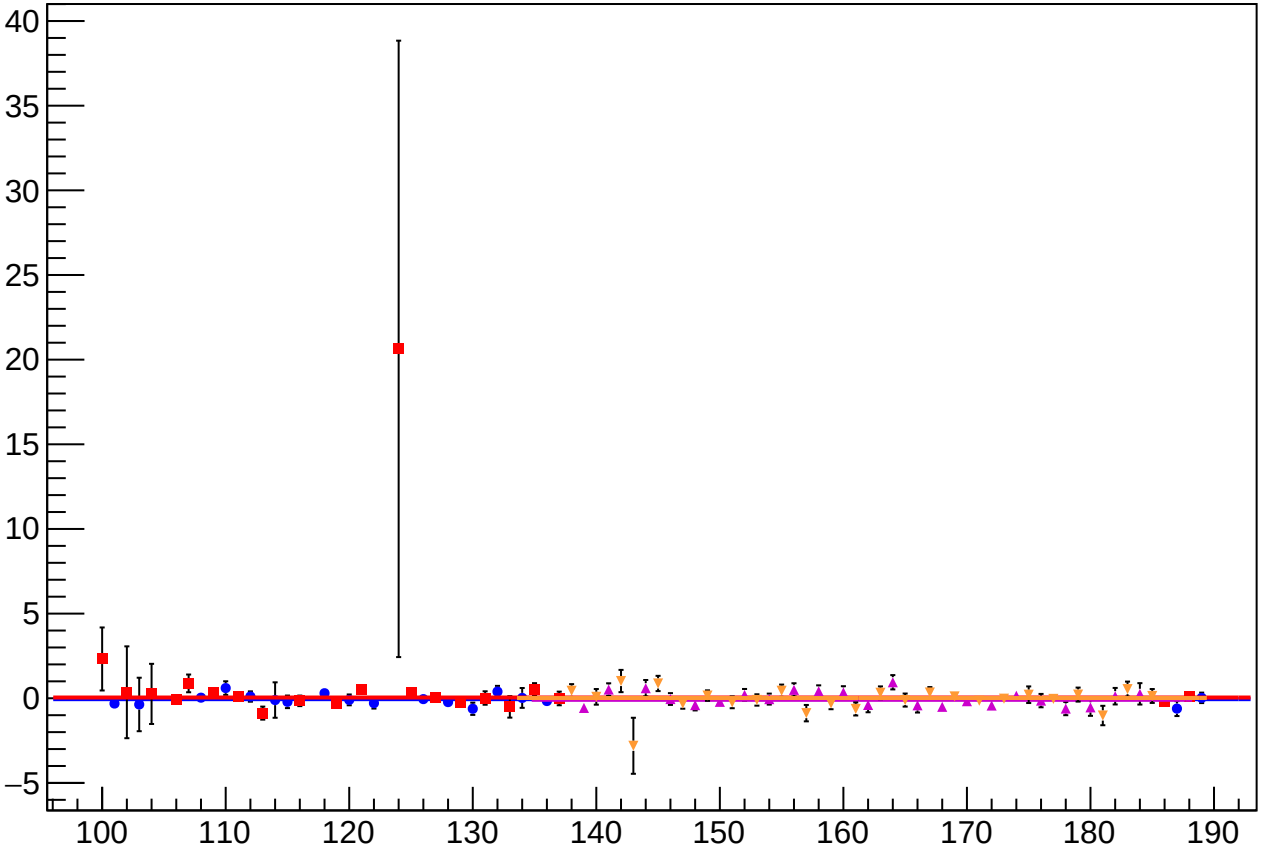
Right: 0.000+/-0.000 χ^2/NDF: 7206376.1/38

In: 0.000+/-0.000 χ^2/NDF:5675685.9/40

Out: 0.000+/-0.000 χ^2/NDF:5480452.0/45

All: 0.000+/-0.000 χ^2/NDF: 11271203.7/86

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

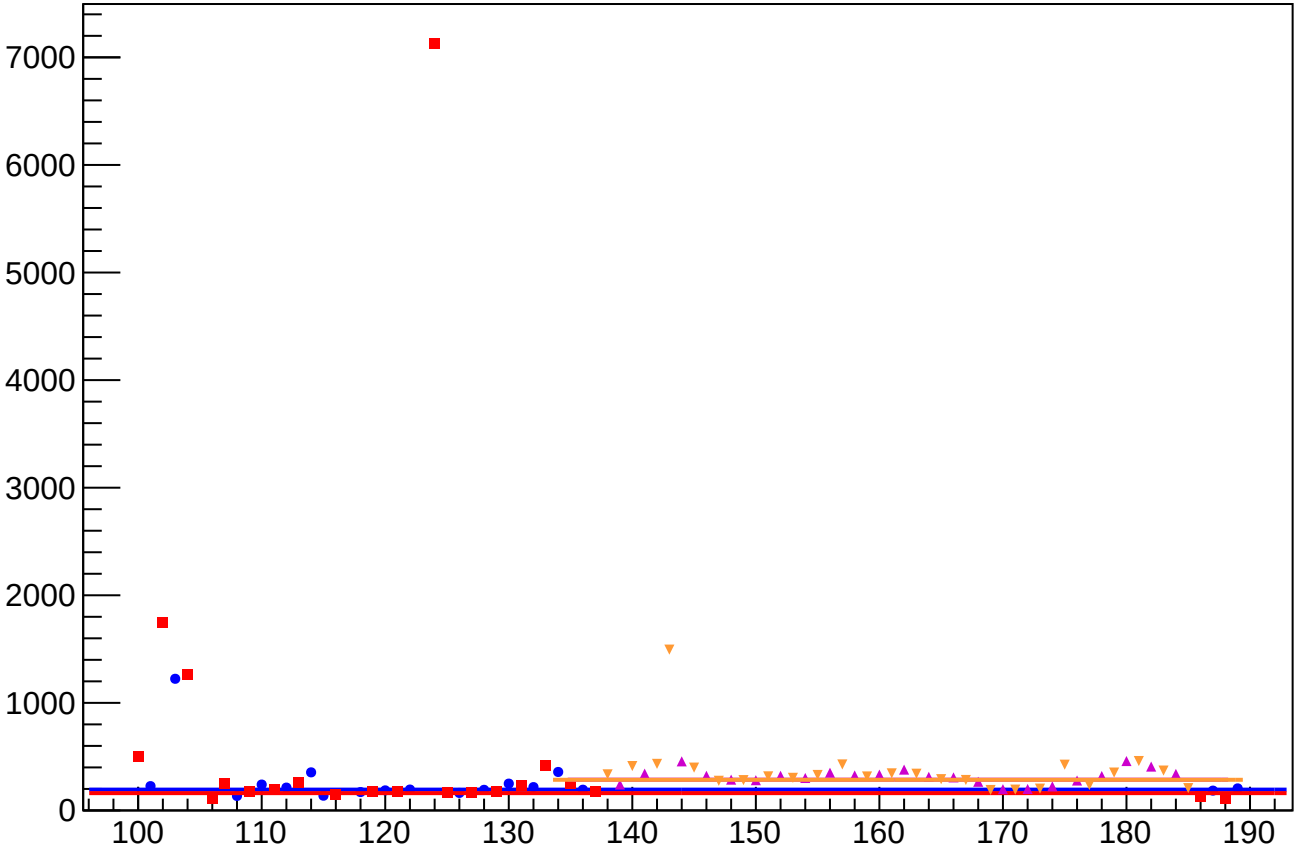
Right: 0.004+/-0.048 χ^2/NDF: 39.3/38

In: -0.073+/-0.051 χ^2/NDF:44.5/40

Out: 0.031+/-0.047 χ^2/NDF:53.2/45

All: -0.016+/-0.035 χ^2/NDF: 99.9/86

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.673+/-0.053 χ^2/NDF: 1412038.6/17

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 160.995+/-0.045 χ^2/NDF: 3061383.9/20

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

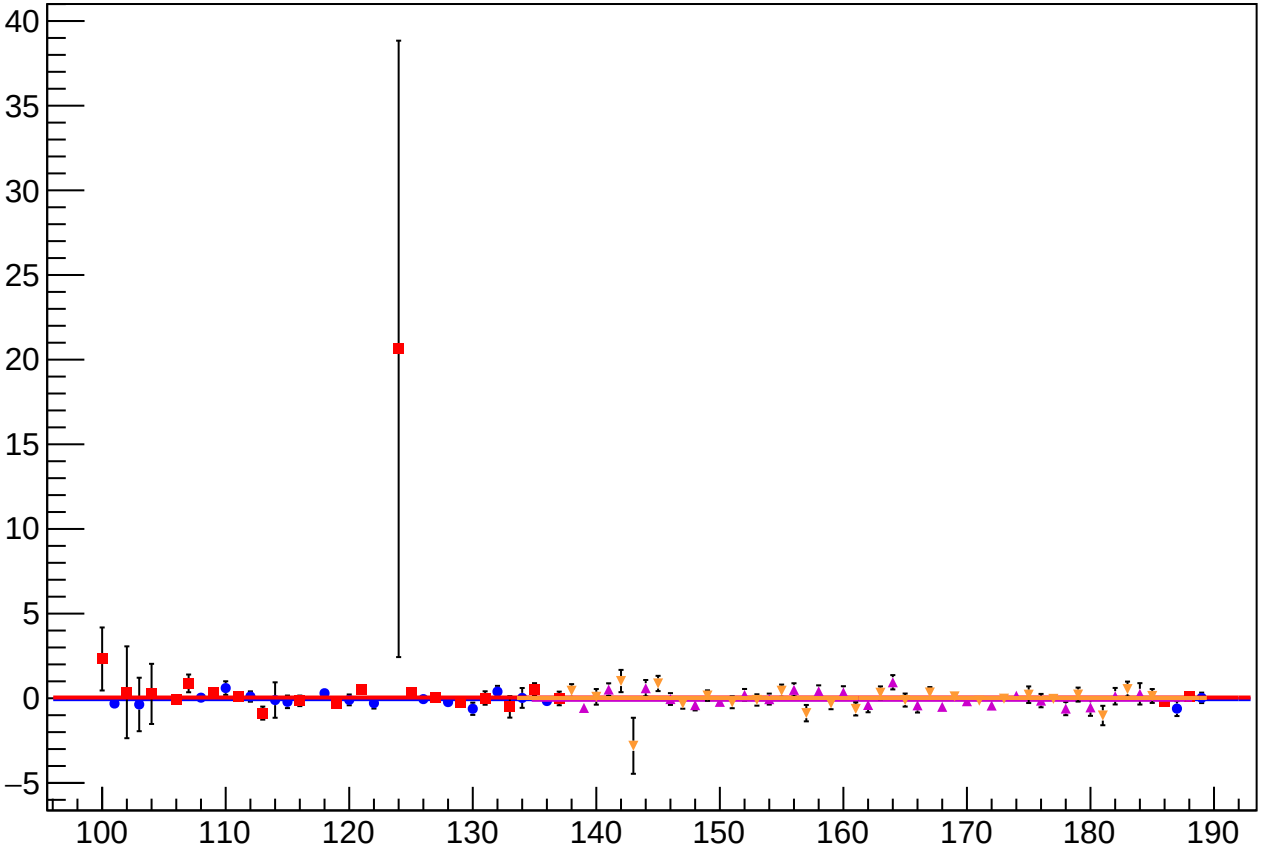
Right: 174.666+/-0.034 χ^2/NDF: 4698345.0/38

In: 242.254+/-0.036 χ^2/NDF:4778612.0/40

Out: 216.689+/-0.033 χ^2/NDF:9946533.8/45

All: 228.343+/-0.024 χ^2/NDF: 14997355.9/86

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

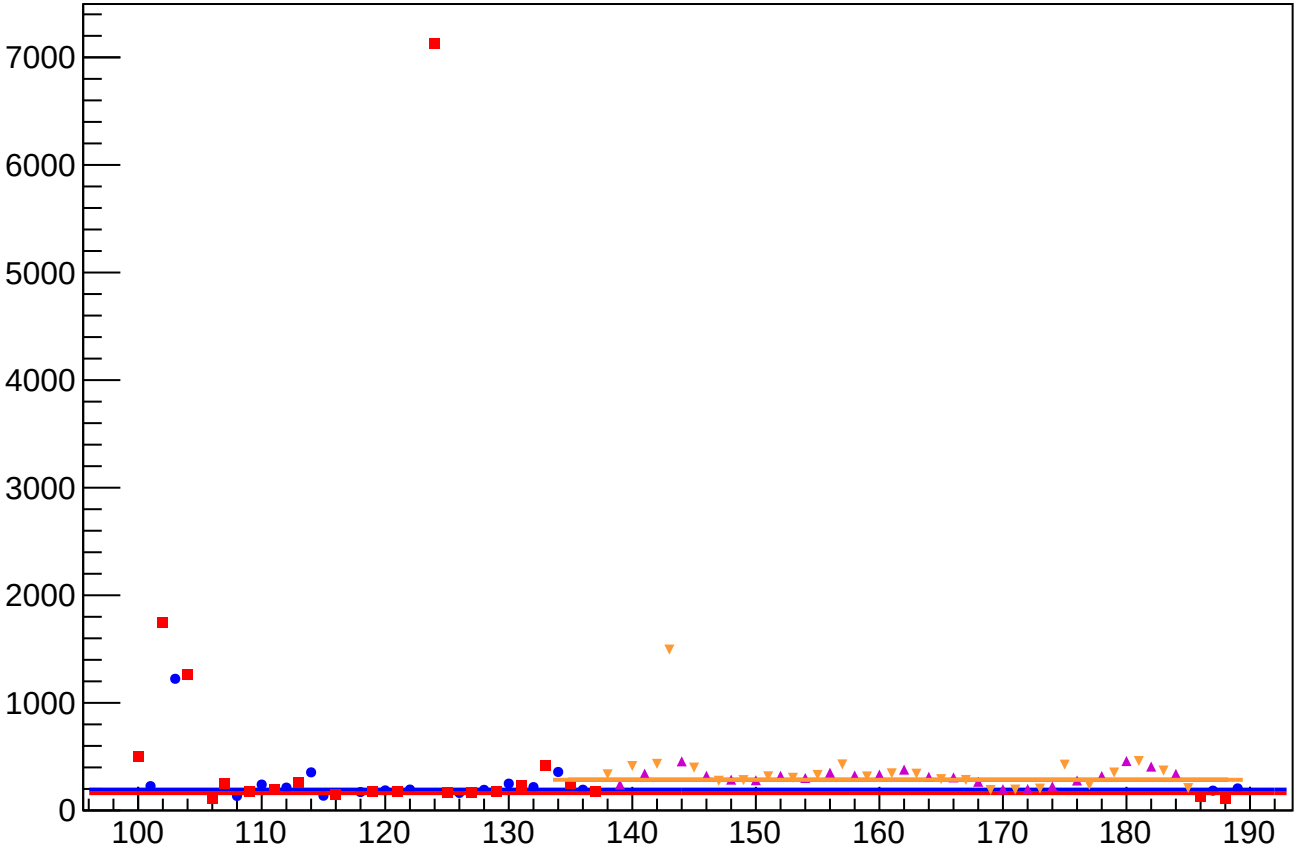
Right: 0.004+/-0.048 χ^2/NDF: 39.3/38

In: -0.073+/-0.051 χ^2/NDF:44.5/40

Out: 0.031+/-0.047 χ^2/NDF:53.2/45

All: -0.016+/-0.035 χ^2/NDF: 99.9/86

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.673+/-0.053 χ^2/NDF: 1412038.6/17

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 160.995+/-0.045 χ^2/NDF: 3061383.9/20

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

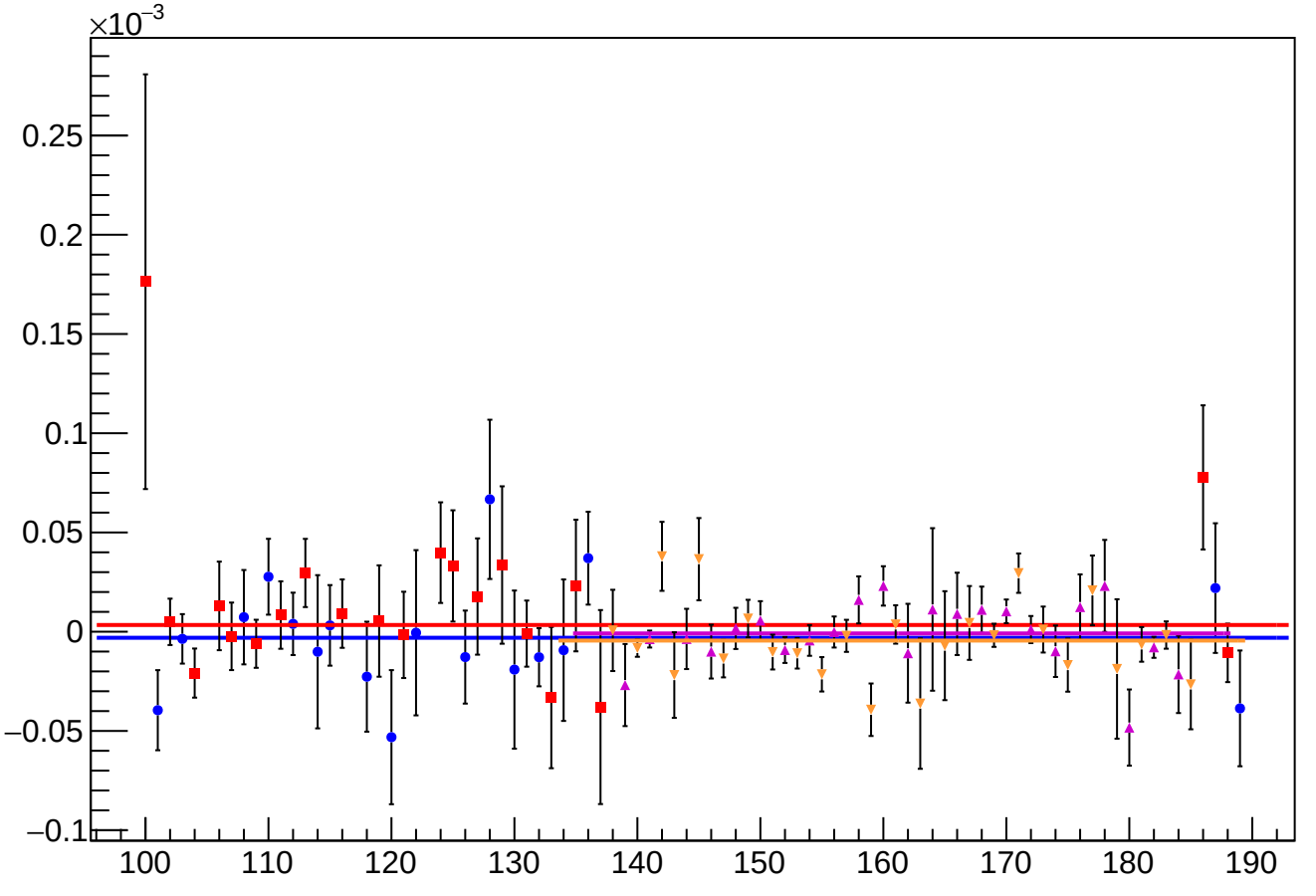
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 174.666+/-0.034 χ^2/NDF: 4698345.0/38

In: 242.254+/-0.036 χ^2/NDF:4778612.0/40

Out: 216.689+/-0.033 χ^2/NDF:9946533.8/45

All: 228.343+/-0.024 χ^2/NDF: 14997355.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/20

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

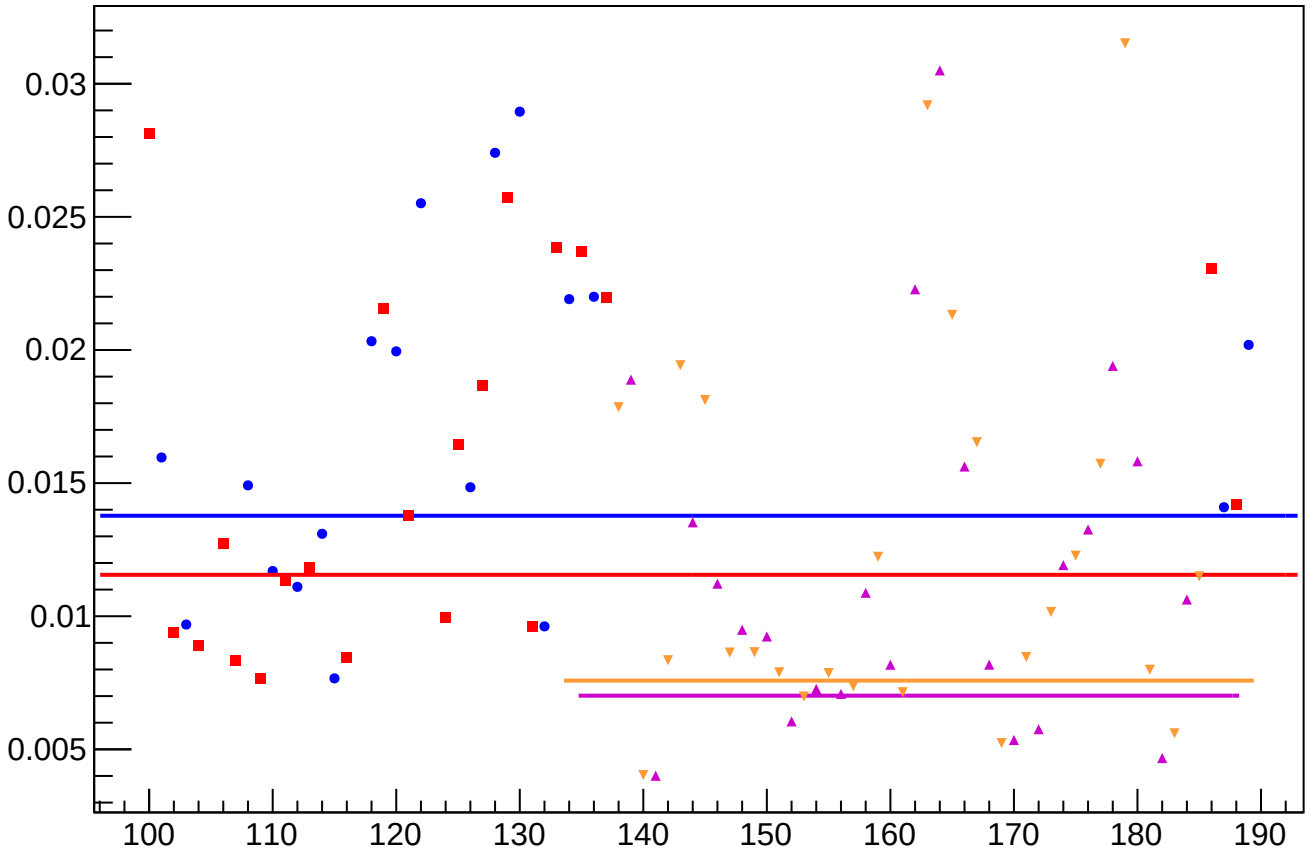
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 40.2/38

In: -0.000+/-0.000 χ^2/NDF:47.1/40

Out: -0.000+/-0.000 χ^2/NDF:68.1/45

All: -0.000+/-0.000 χ^2/NDF: 115.8/86



Right In: 0.014+/-0.000 χ^2/NDF: 1978327.6/17

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2169574.7/20

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

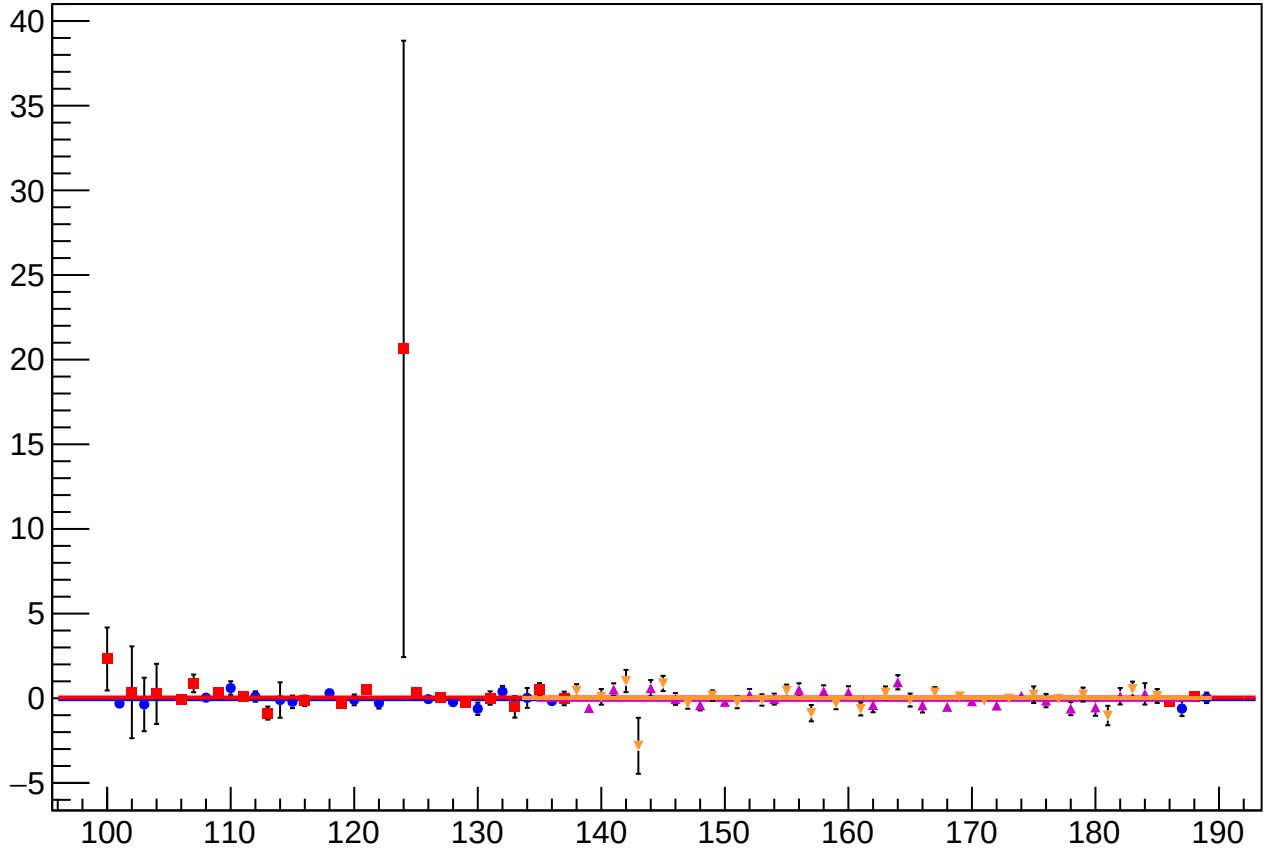
Right: 0.012+/-0.000 χ^2/NDF: 4362067.1/38

In: 0.008+/-0.000 χ^2/NDF:11608302.3/40

Out: 0.008+/-0.000 χ^2/NDF:10964153.0/45

All: 0.008+/-0.000 χ^2/NDF: 22648283.3/86

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

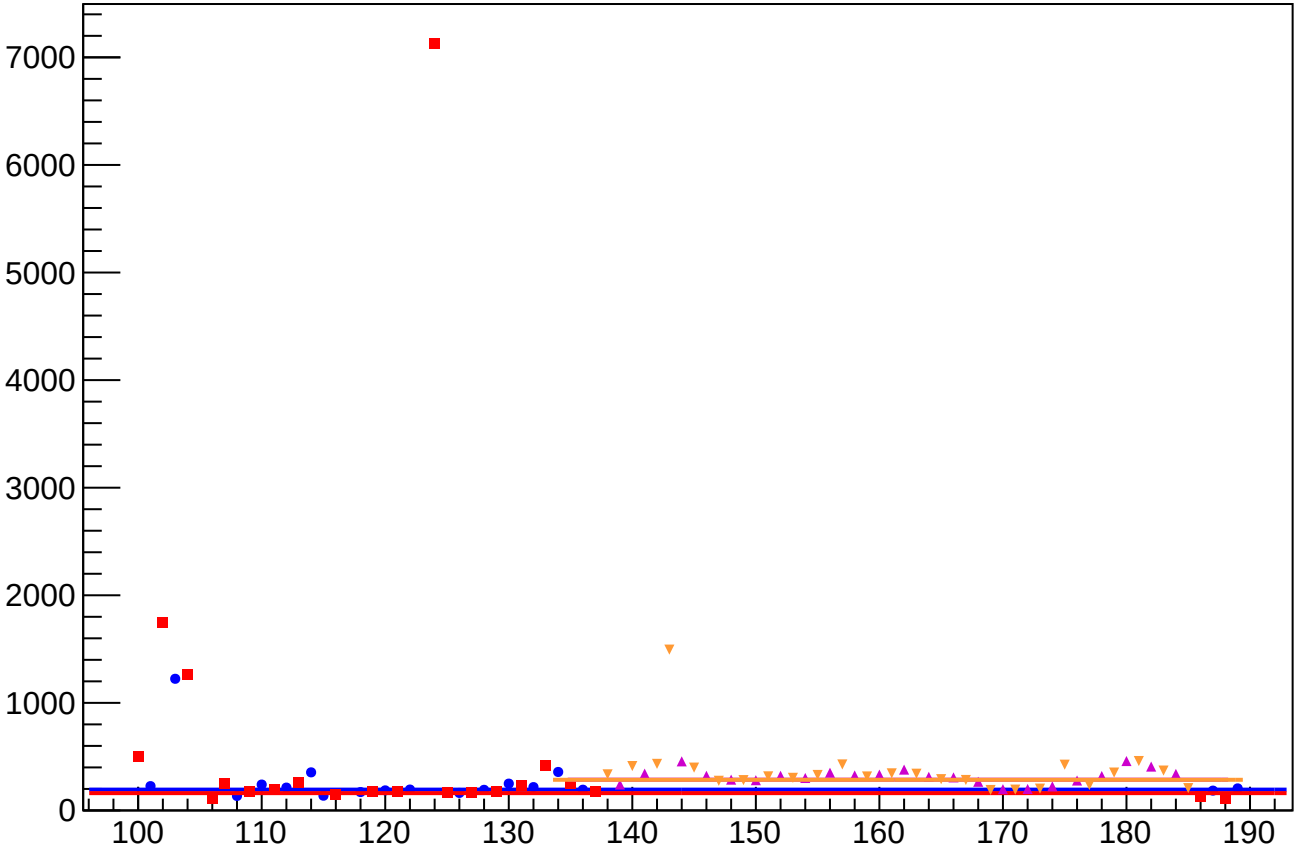
Right: 0.004+/-0.048 χ^2/NDF: 39.3/38

In: -0.073+/-0.051 χ^2/NDF:44.5/40

Out: 0.031+/-0.047 χ^2/NDF:53.2/45

All: -0.016+/-0.035 χ^2/NDF: 99.9/86

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.672+/-0.053 χ^2/NDF: 1412035.0/17

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 160.992+/-0.045 χ^2/NDF: 3061456.6/20

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

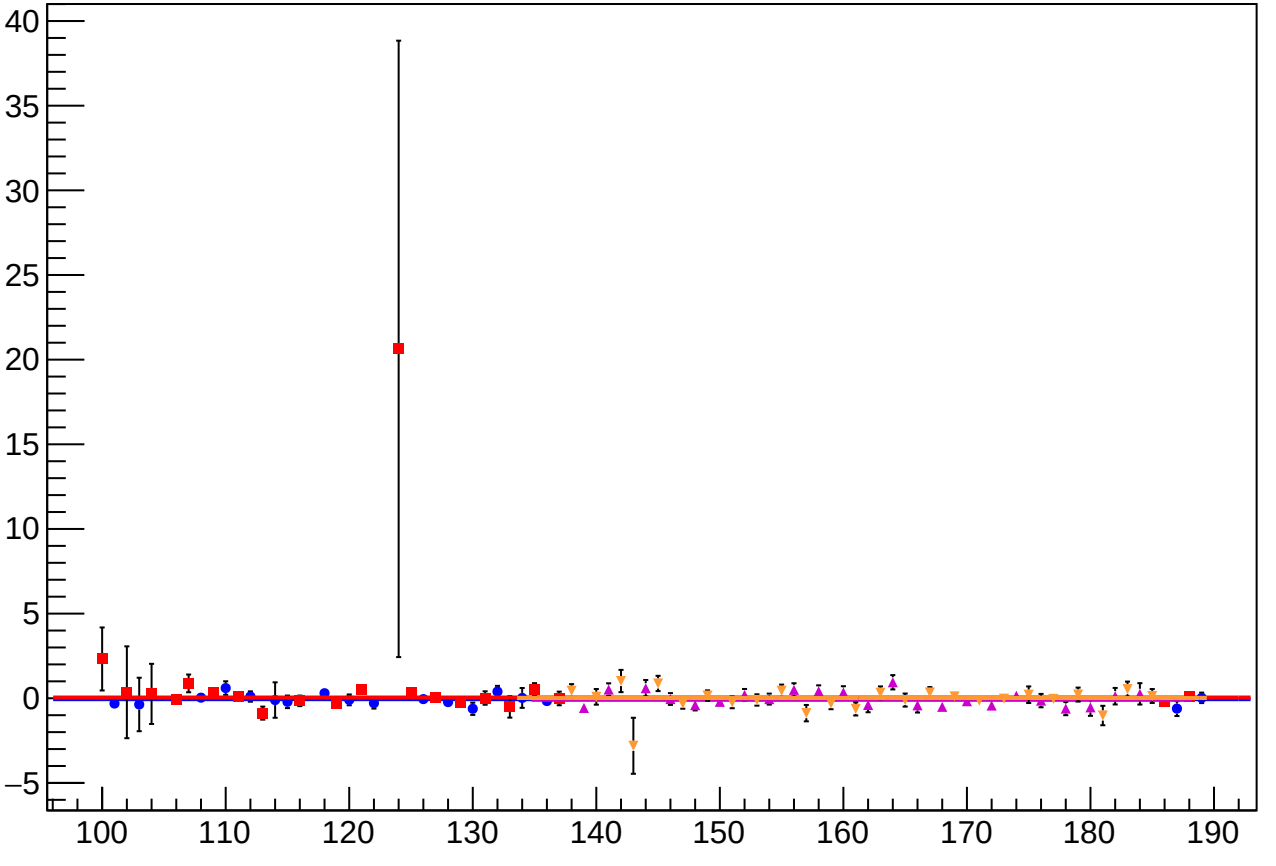
Right: 174.664+/-0.034 χ^2/NDF: 4698440.4/38

In: 242.254+/-0.036 χ^2/NDF:4778779.5/40

Out: 216.688+/-0.033 χ^2/NDF:9946961.6/45

All: 228.342+/-0.024 χ^2/NDF: 14997989.8/86

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.054+/-0.074 χ^2/NDF: 13.4/17

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

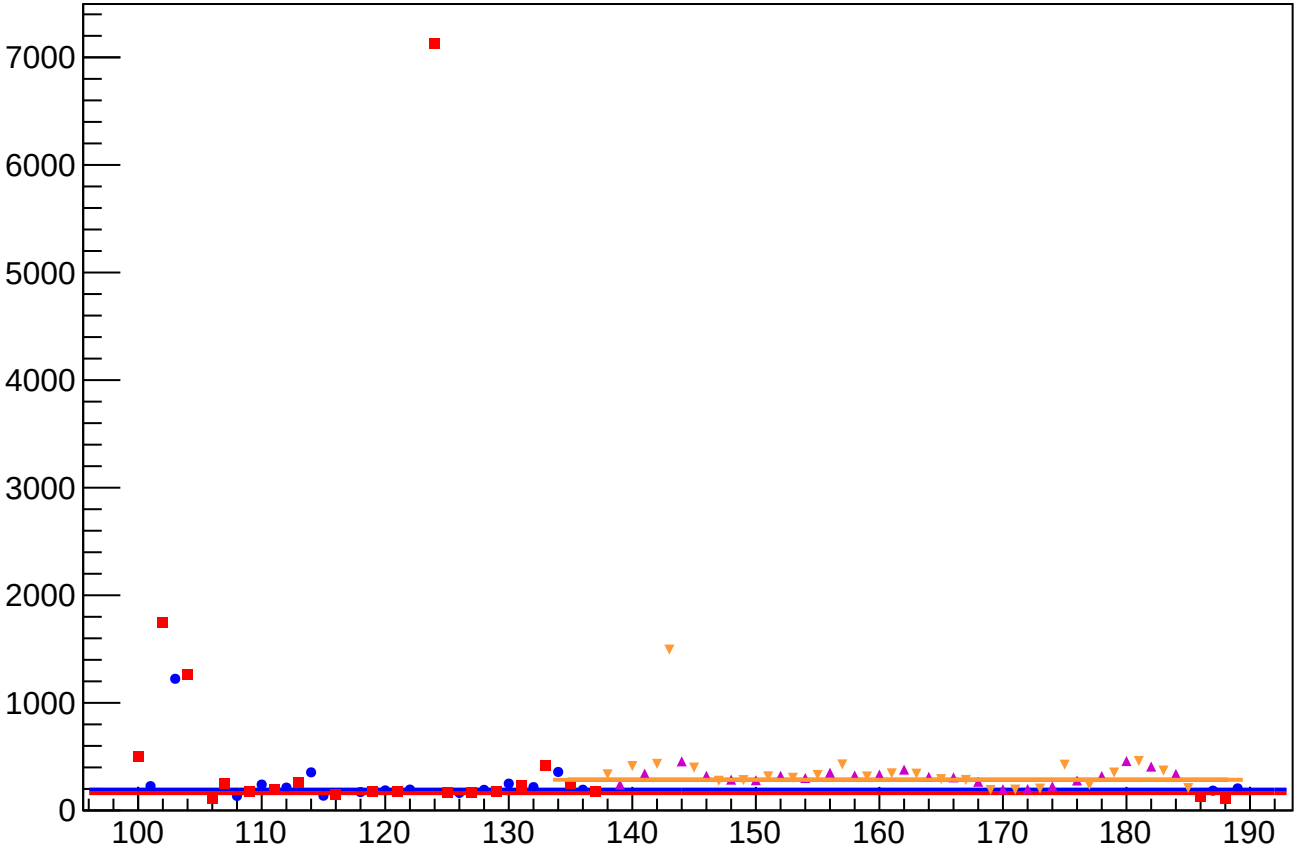
Right: 0.004+/-0.048 χ^2/NDF: 39.3/38

In: -0.073+/-0.051 χ^2/NDF:44.5/40

Out: 0.031+/-0.047 χ^2/NDF:53.2/45

All: -0.016+/-0.035 χ^2/NDF: 99.9/86

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.672+/-0.053 χ^2/NDF: 1412035.0/17

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 160.992+/-0.045 χ^2/NDF: 3061456.6/20

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

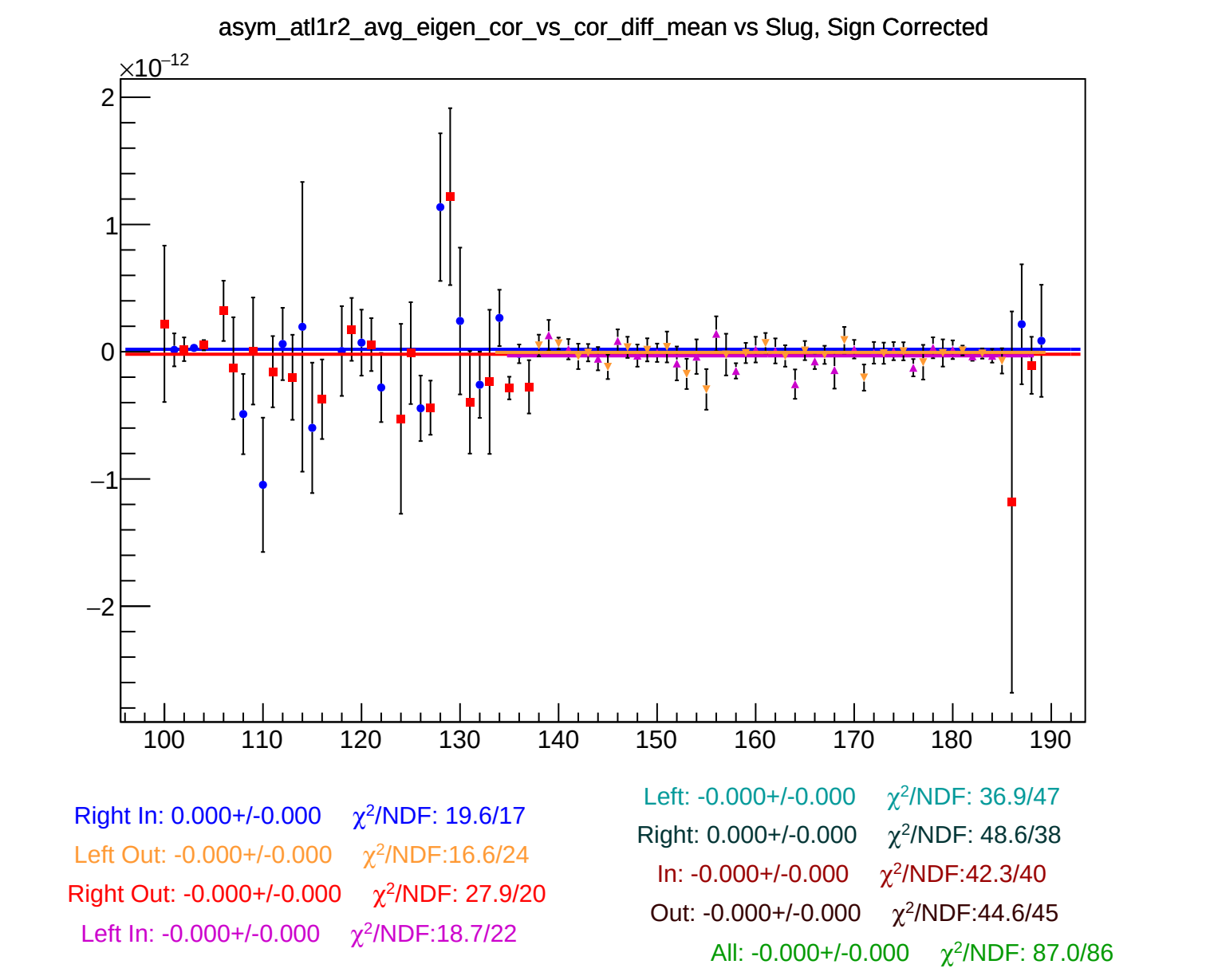
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

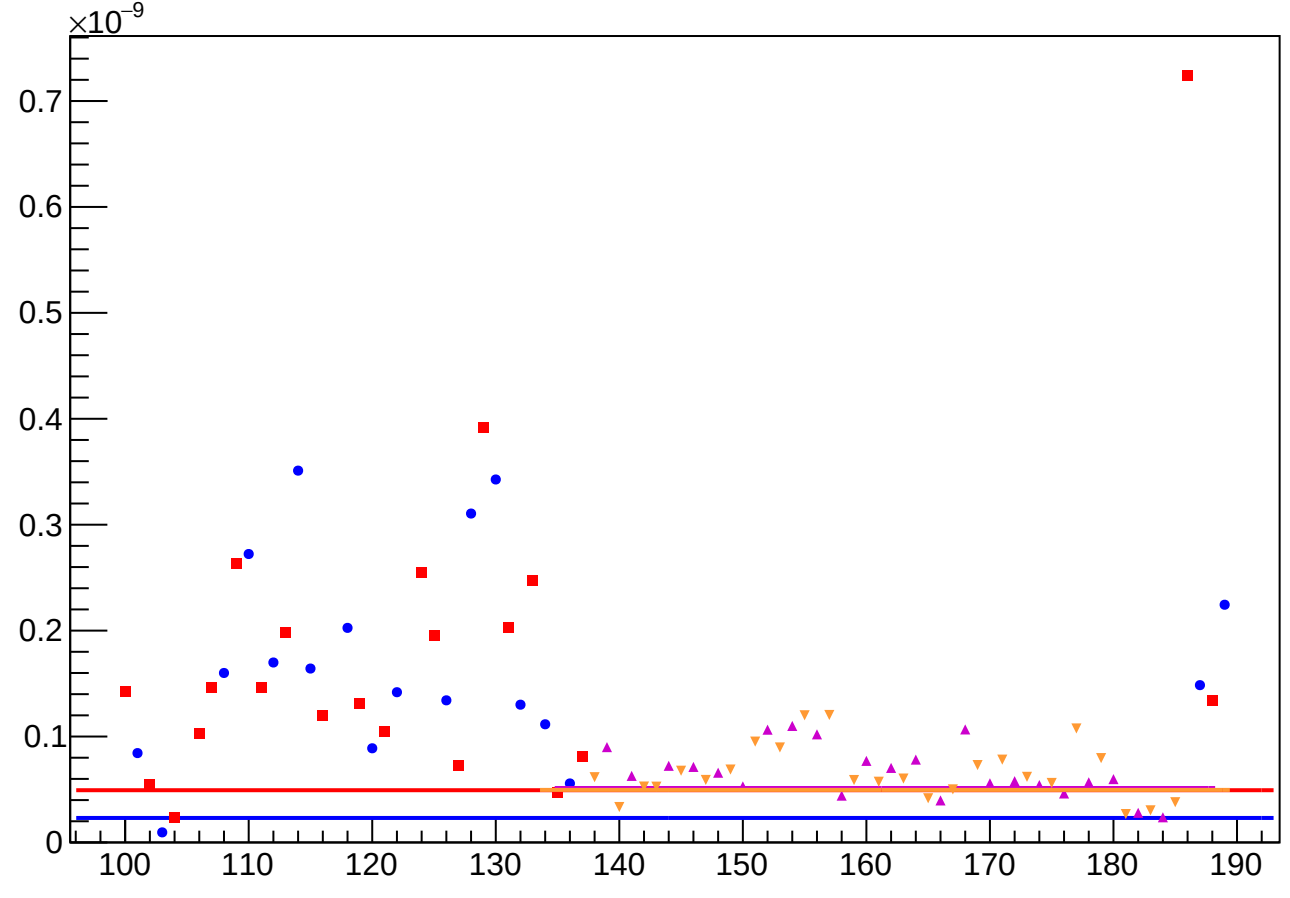
Right: 174.664+/-0.034 χ^2/NDF: 4698440.4/38

In: 242.254+/-0.036 χ^2/NDF:4778779.5/40

Out: 216.688+/-0.033 χ^2/NDF:9946961.6/45

All: 228.342+/-0.024 χ^2/NDF: 14997989.8/86


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.6/17
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.9/20
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 48.6/38
In: -0.000+/-0.000 χ²/NDF:42.3/40
Out: -0.000+/-0.000 χ²/NDF:44.6/45
All: -0.000+/-0.000 χ²/NDF: 87.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 6971474.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4932677.5/20

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

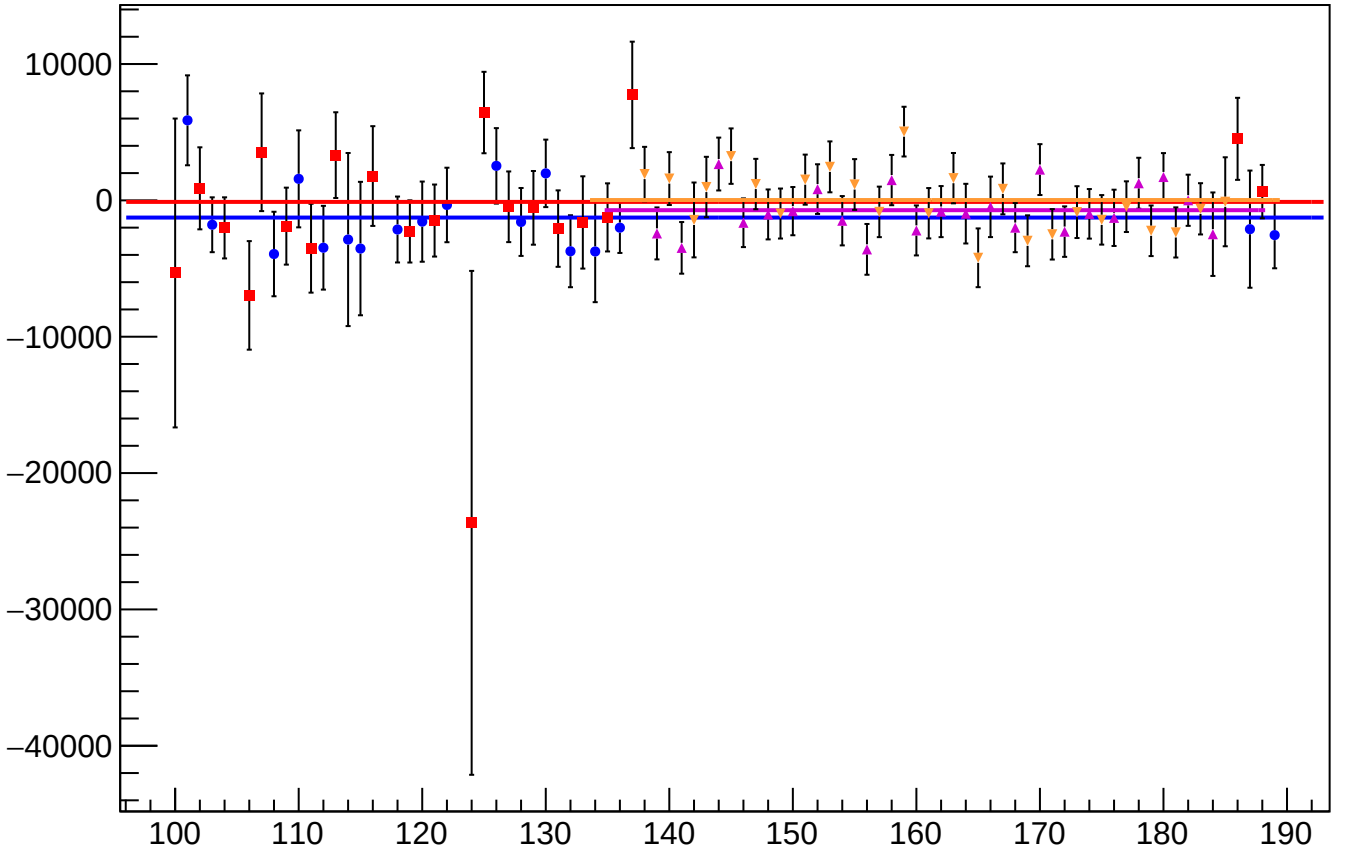
Right: 0.000+/-0.000 χ^2/NDF: 12898639.7/38

In: 0.000+/-0.000 χ^2/NDF:13017005.2/40

Out: 0.000+/-0.000 χ^2/NDF:8815484.6/45

All: 0.000+/-0.000 χ^2/NDF: 22269267.2/86

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1261.131+/-659.329 χ^2/NDF: 12.6/17

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -112.631+/-648.453 χ^2/NDF: 22.8/20

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

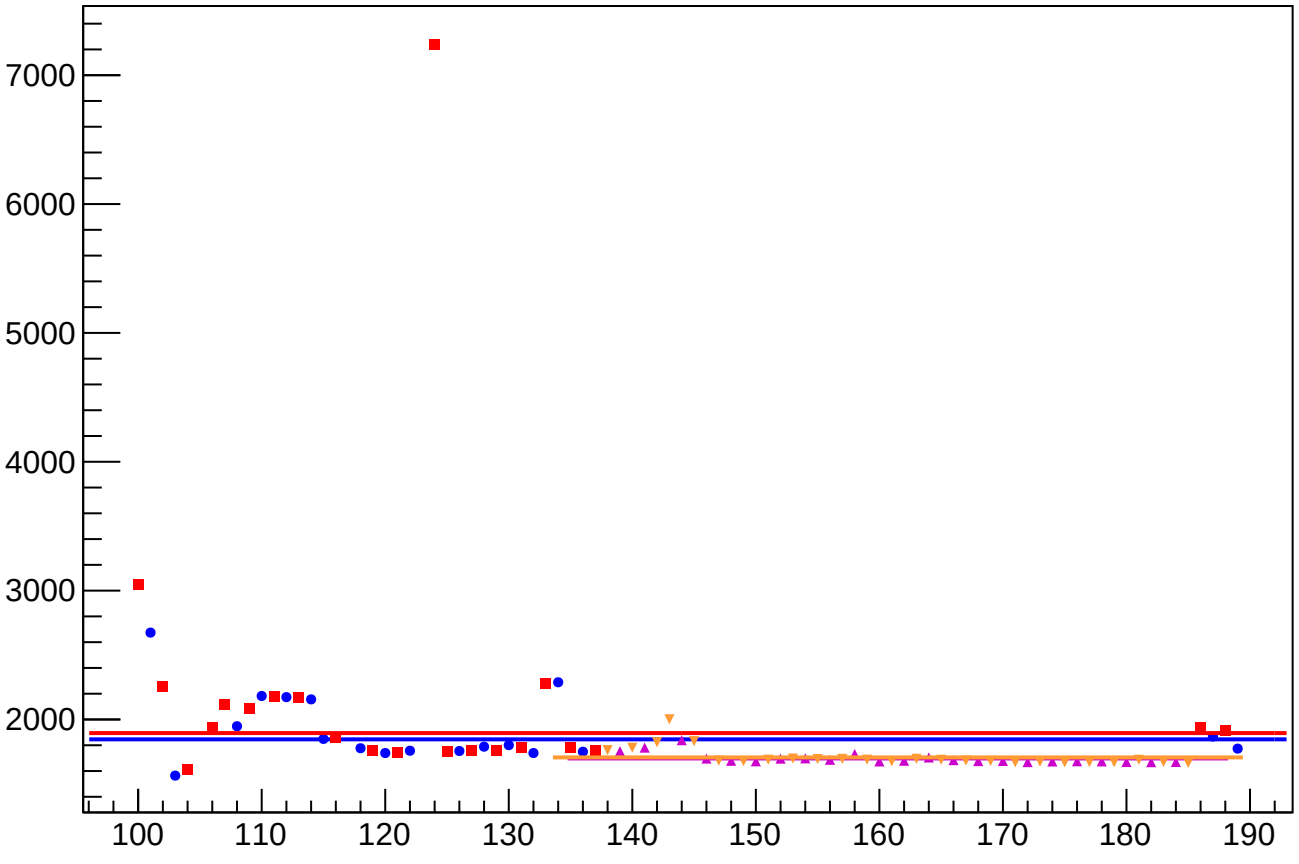
Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

Right: -677.330+/-462.323 χ^2/NDF: 36.9/38

In: -863.330+/-339.758 χ^2/NDF:32.2/40

Out: -12.636+/-332.781 χ^2/NDF:52.3/45

All: -429.158+/-237.740 χ^2/NDF: 87.6/86



Right In: 1845.852+/-0.466 χ^2/NDF: 261896.1/17

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.424+/-0.458 χ^2/NDF: 359587.7/20

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

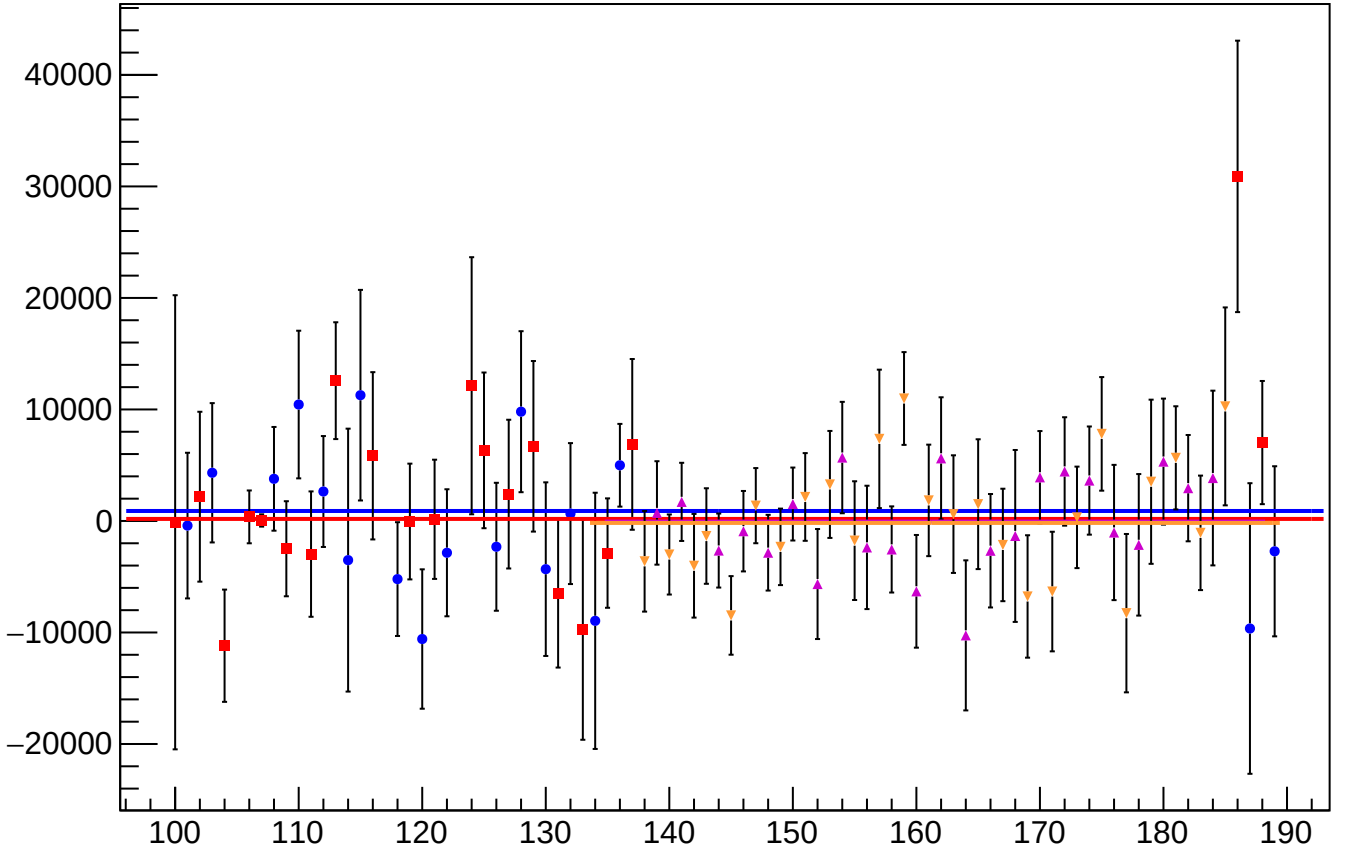
Right: 1870.589+/-0.327 χ^2/NDF: 627011.8/38

In: 1736.904+/-0.240 χ^2/NDF:357395.6/40

Out: 1755.498+/-0.235 χ^2/NDF:544752.9/45

All: 1746.399+/-0.168 χ^2/NDF: 905207.3/86

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 895.146+/-1464.476 χ^2/NDF: 14.6/17

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 183.113+/-503.156 χ^2/NDF: 25.9/20

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

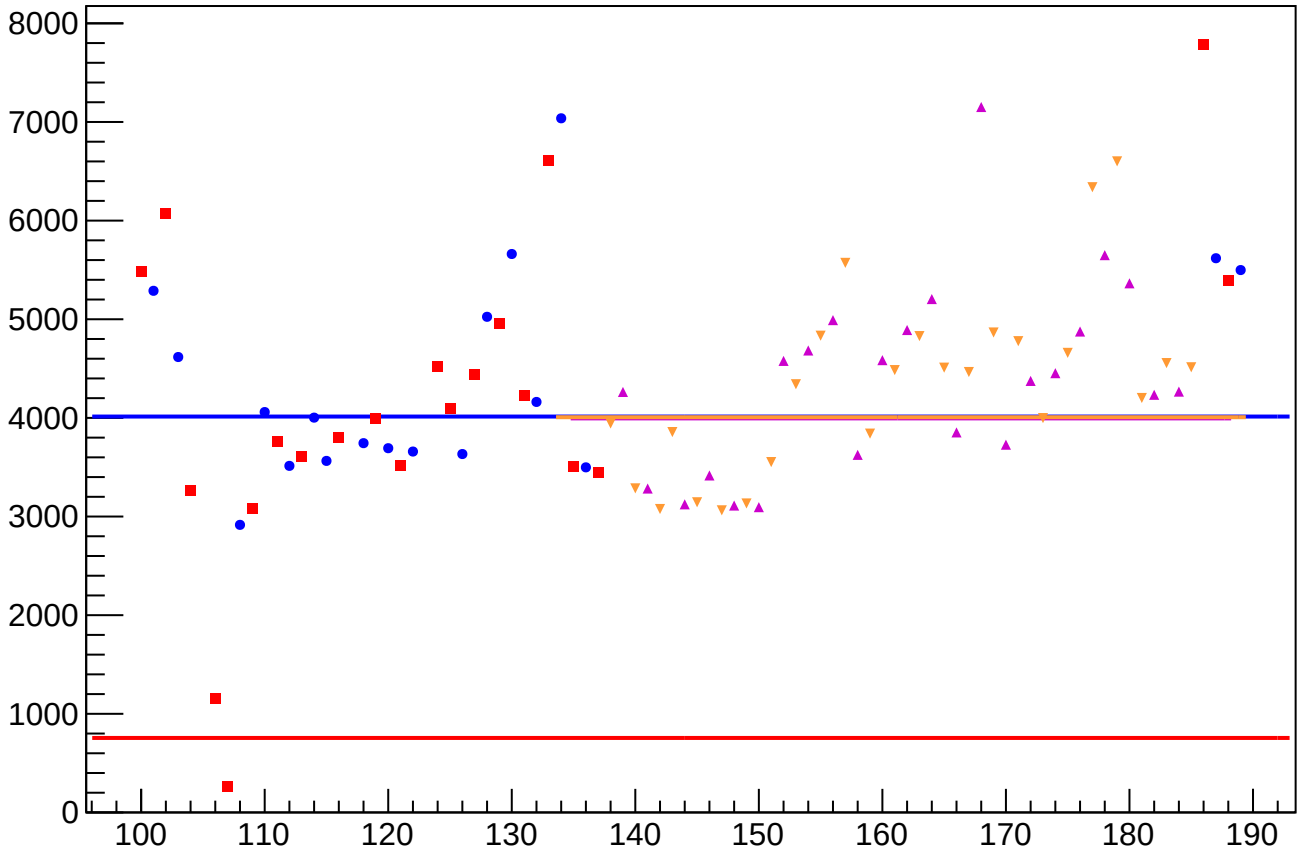
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 258.290+/-475.854 χ^2/NDF: 40.7/38

In: 228.056+/-800.757 χ^2/NDF:29.2/40

Out: 102.540+/-443.090 χ^2/NDF:53.9/45

All: 131.962+/-387.695 χ^2/NDF: 83.2/86



Right In: 4013.660+/-1.036 χ^2/NDF: 671834.1/17

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 755.371+/-0.356 χ^2/NDF: 12714610.5/20

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

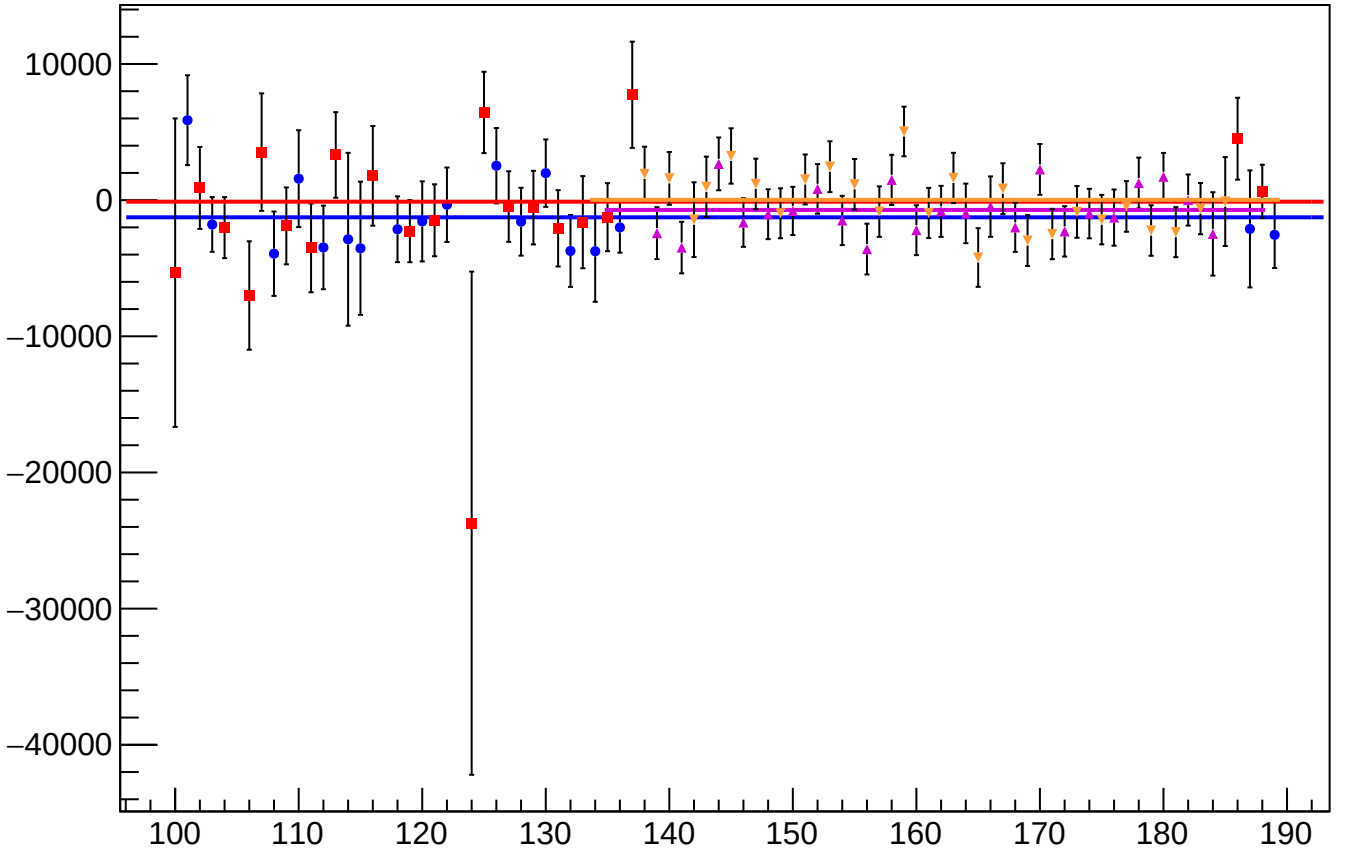
Right: 1099.382+/-0.336 χ^2/NDF: 22241393.2/38

In: 4000.561+/-0.566 χ^2/NDF:2210177.7/40

Out: 1485.383+/-0.313 χ^2/NDF:32970610.0/45

All: 2074.968+/-0.274 χ^2/NDF: 50287208.2/8

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1260.761+/-659.329 χ^2/NDF: 12.6/17

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -112.913+/-648.454 χ^2/NDF: 22.8/20

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

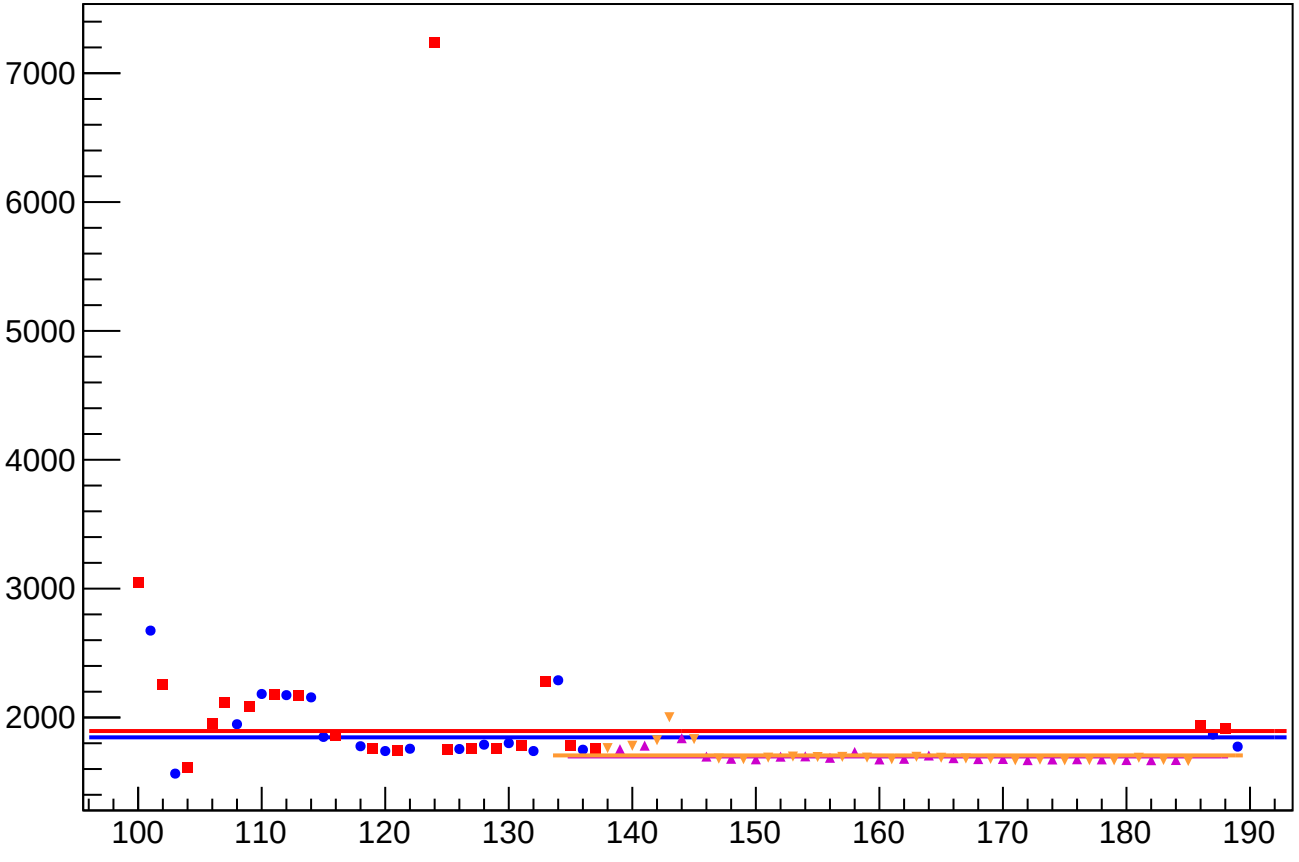
Right: -677.293+/-462.323 χ^2/NDF: 36.9/38

In: -863.141+/-339.759 χ^2/NDF:32.2/40

Out: -12.658+/-332.781 χ^2/NDF:52.3/45

All: -429.076+/-237.740 χ^2/NDF: 87.7/86

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1845.852+/-0.466 χ^2/NDF: 261895.3/17

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.813+/-0.458 χ^2/NDF: 359789.4/20

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

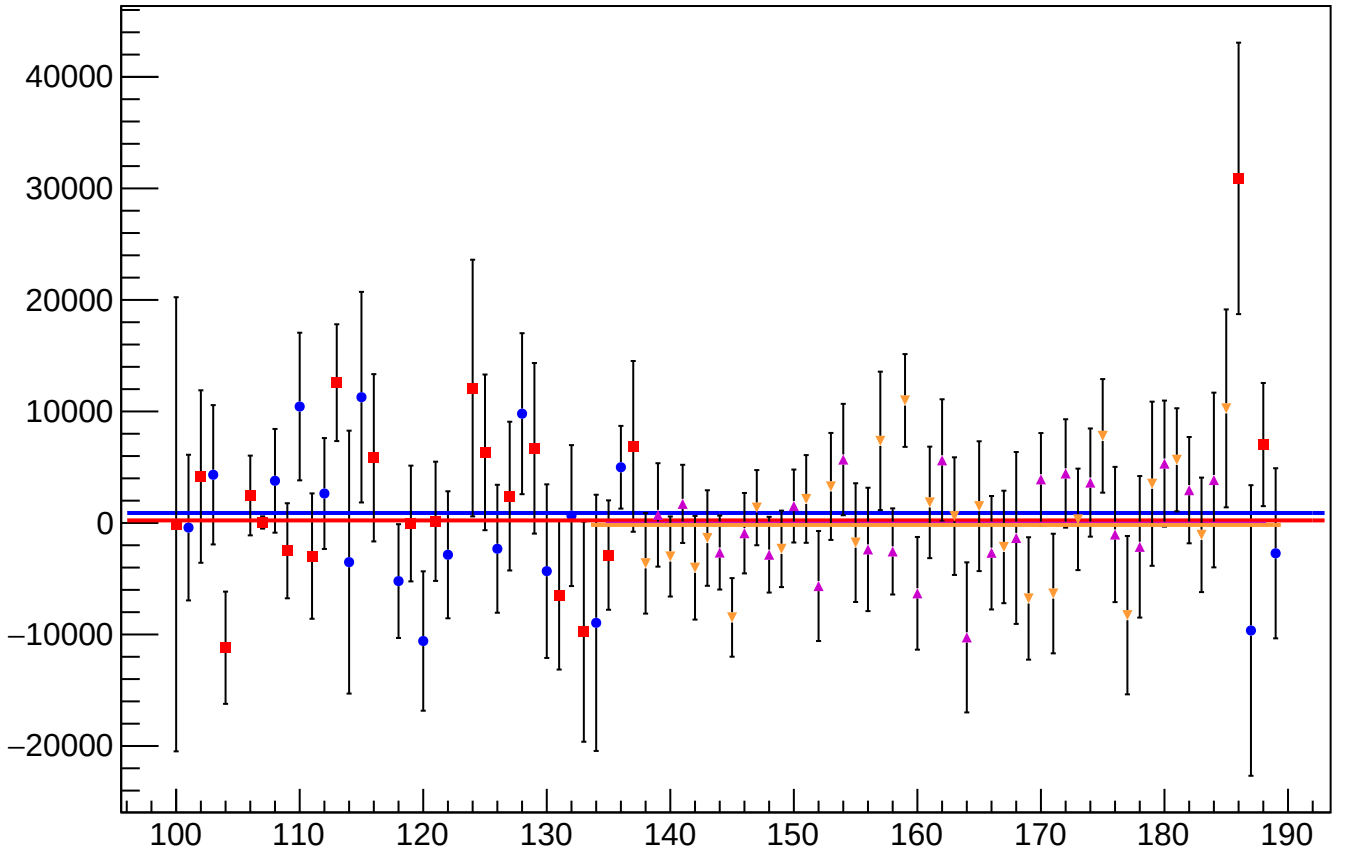
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1870.783+/-0.327 χ^2/NDF: 627300.4/38

In: 1736.905+/-0.240 χ^2/NDF:357395.1/40

Out: 1755.587+/-0.235 χ^2/NDF:545435.5/45

All: 1746.444+/-0.168 χ^2/NDF: 905918.4/86



Right In: 895.130+/-1464.482 χ^2/NDF: 14.6/17

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 228.778+/-509.652 χ^2/NDF: 26.5/20

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

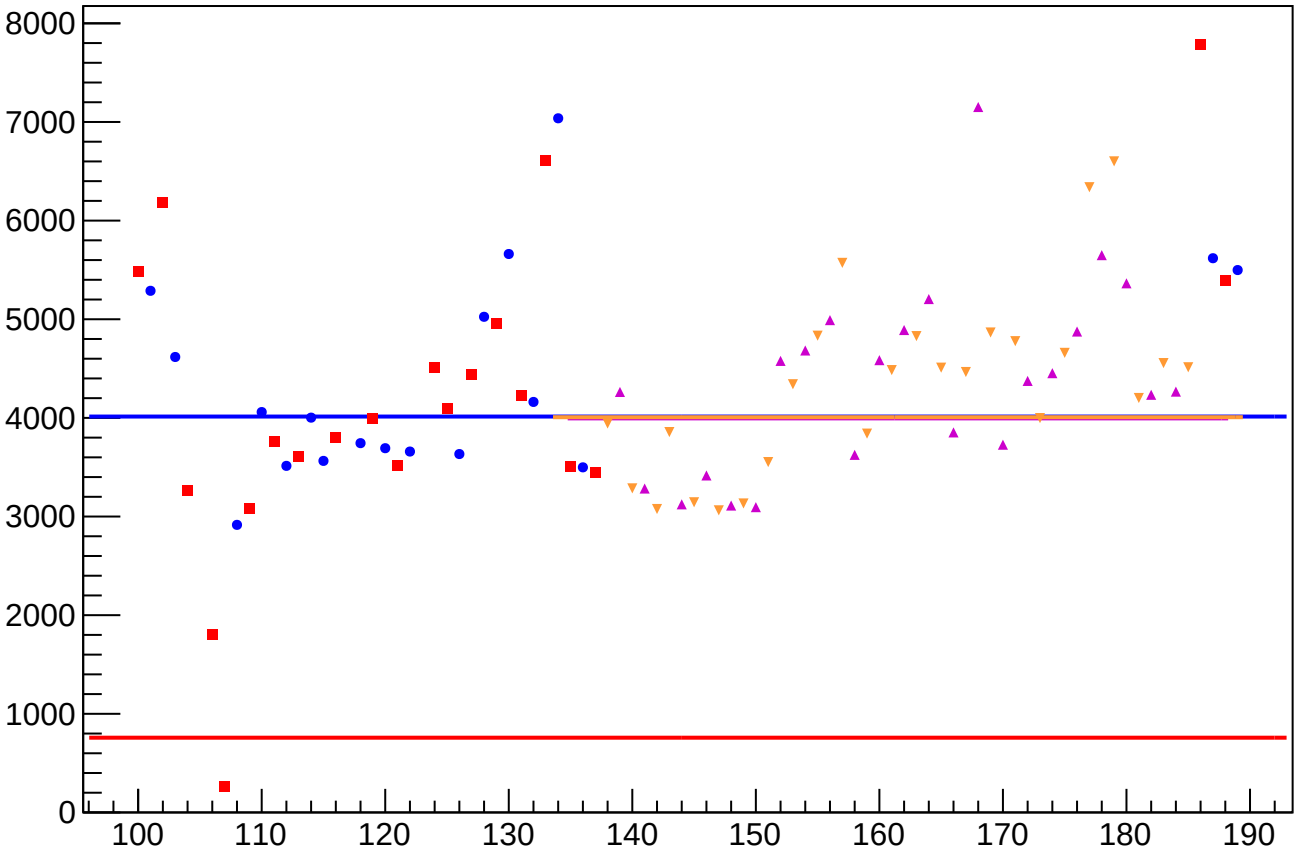
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 300.762+/-481.337 χ^2/NDF: 41.3/38

In: 228.099+/-800.758 χ^2/NDF:29.2/40

Out: 136.138+/-447.507 χ^2/NDF:54.6/45

All: 158.024+/-390.643 χ^2/NDF: 83.8/86



Right In: 4013.670+/-1.036 χ^2/NDF: 671860.0/17

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 757.918+/-0.360 χ^2/NDF: 12841656.4/20

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

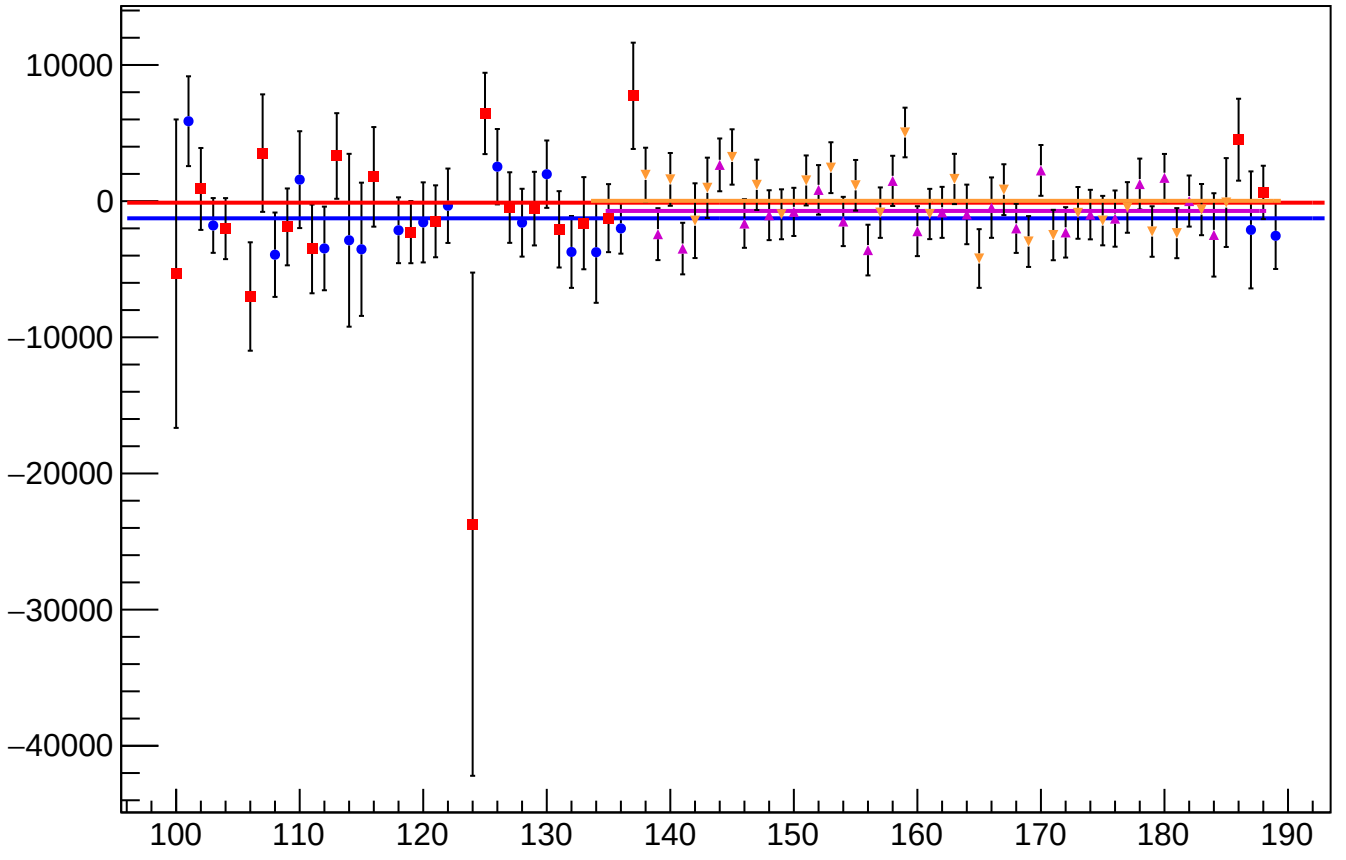
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1109.627+/-0.340 χ^2/NDF: 22330425.9/38

In: 4000.562+/-0.566 χ^2/NDF:2210187.0/40

Out: 1501.973+/-0.316 χ^2/NDF:32959662.1/45

All: 2096.611+/-0.276 χ^2/NDF: 50007957.8/8



Right In: -1260.761+/-659.329 χ^2/NDF: 12.6/17

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -112.913+/-648.454 χ^2/NDF: 22.8/20

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

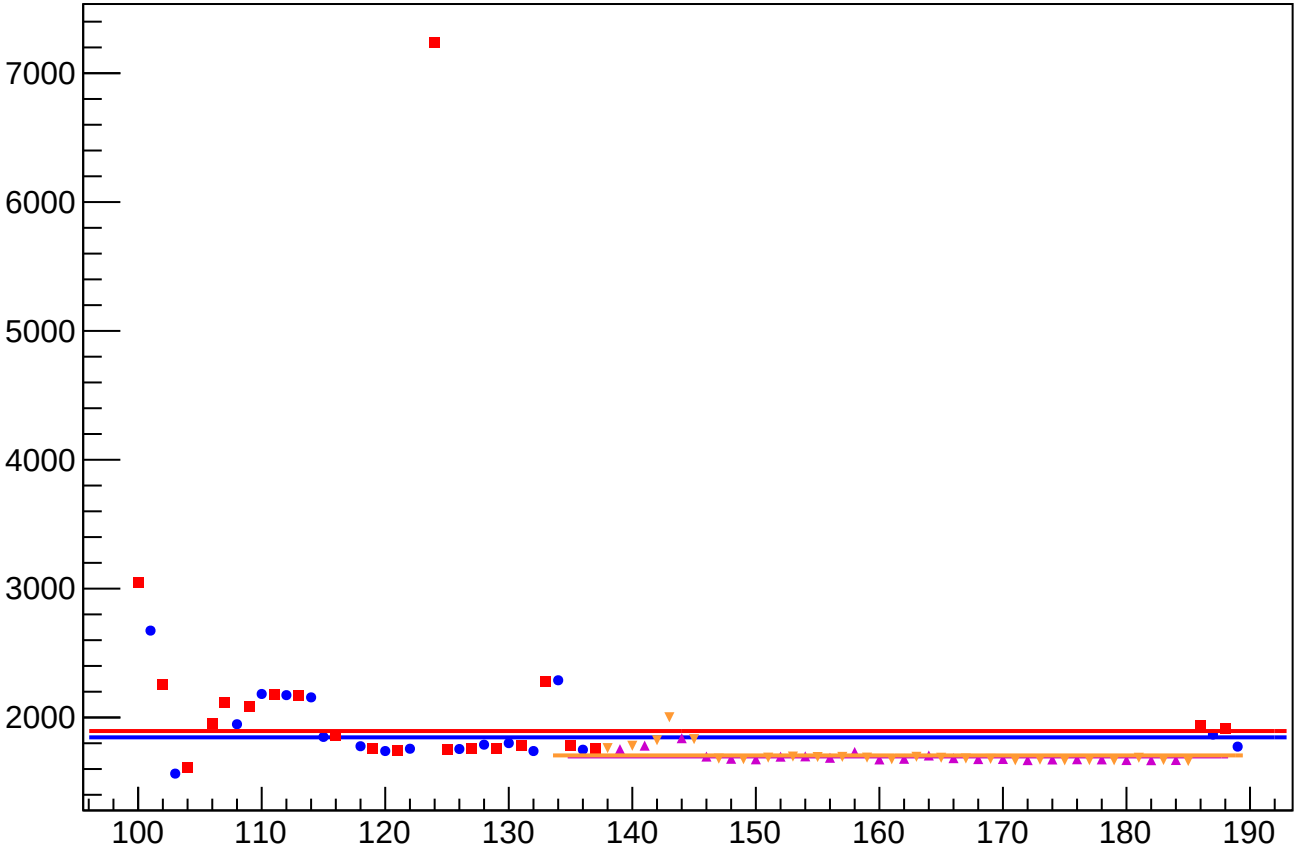
Right: -677.293+/-462.323 χ^2/NDF: 36.9/38

In: -863.141+/-339.759 χ^2/NDF:32.2/40

Out: -12.658+/-332.781 χ^2/NDF:52.3/45

All: -429.076+/-237.740 χ^2/NDF: 87.7/86

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1845.852+/-0.466 χ^2/NDF: 261895.3/17

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.813+/-0.458 χ^2/NDF: 359789.4/20

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

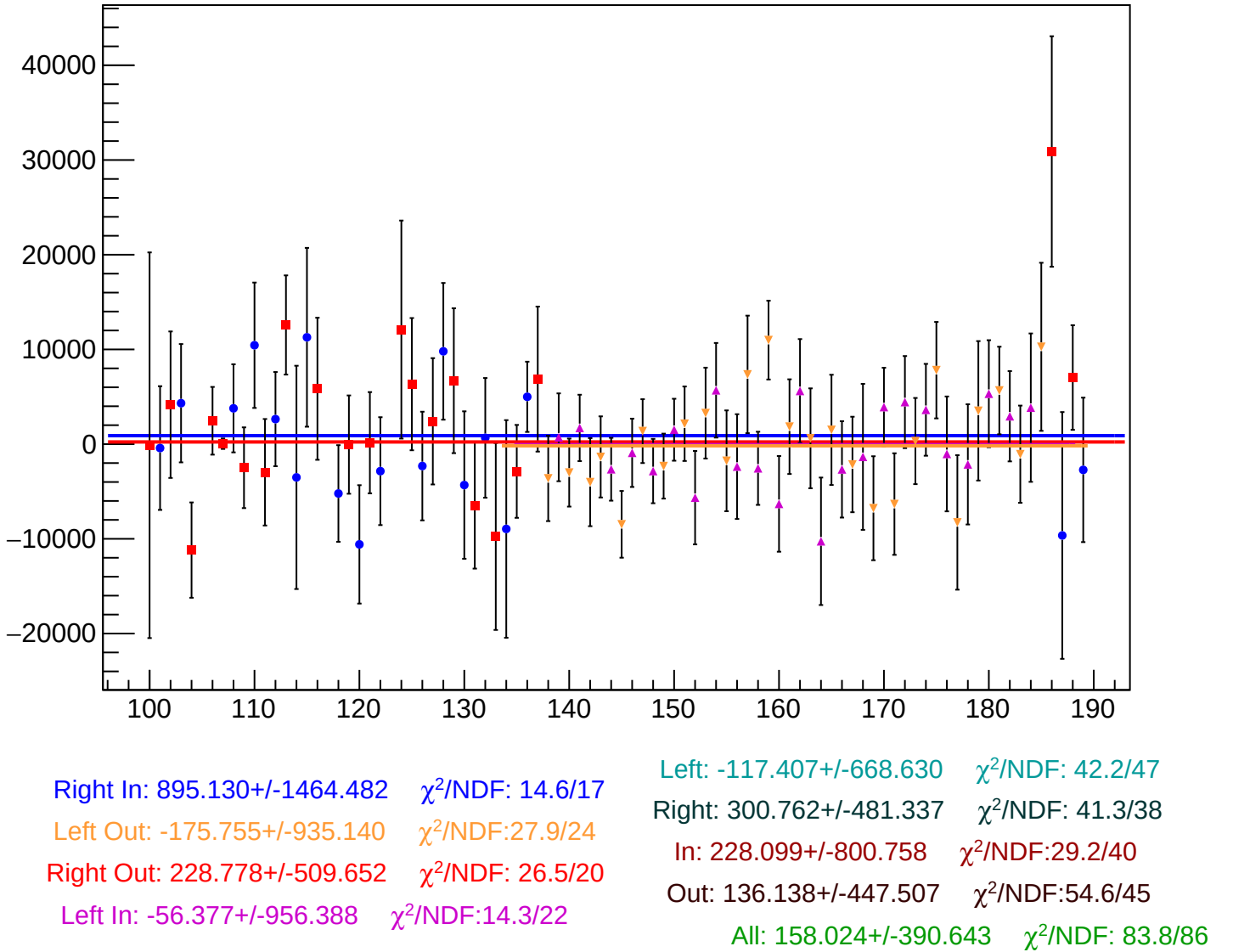
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1870.783+/-0.327 χ^2/NDF: 627300.4/38

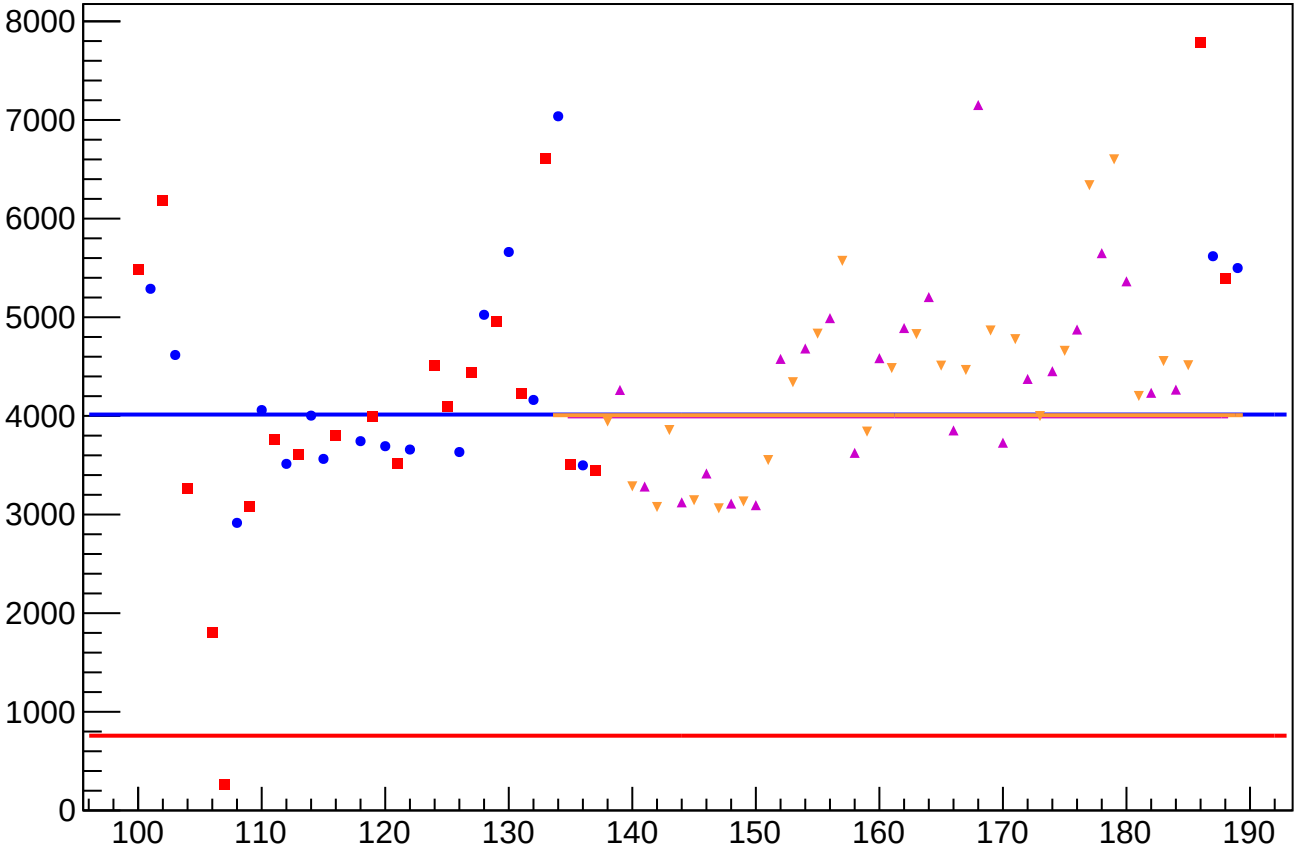
In: 1736.905+/-0.240 χ^2/NDF:357395.1/40

Out: 1755.587+/-0.235 χ^2/NDF:545435.5/45

All: 1746.444+/-0.168 χ^2/NDF: 905918.4/86


asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 895.130+/-1464.482 χ²/NDF: 14.6/17
Left Out: -175.755+/-935.140 χ²/NDF:27.9/24
Right Out: 228.778+/-509.652 χ²/NDF: 26.5/20
Left In: -56.377+/-956.388 χ²/NDF:14.3/22
Left: -117.407+/-668.630 χ²/NDF: 42.2/47
Right: 300.762+/-481.337 χ²/NDF: 41.3/38
In: 228.099+/-800.758 χ²/NDF:29.2/40
Out: 136.138+/-447.507 χ²/NDF:54.6/45
All: 158.024+/-390.643 χ²/NDF: 83.8/86

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4013.670+/-1.036 χ^2/NDF: 671860.0/17

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 757.918+/-0.360 χ^2/NDF: 12841656.4/20

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

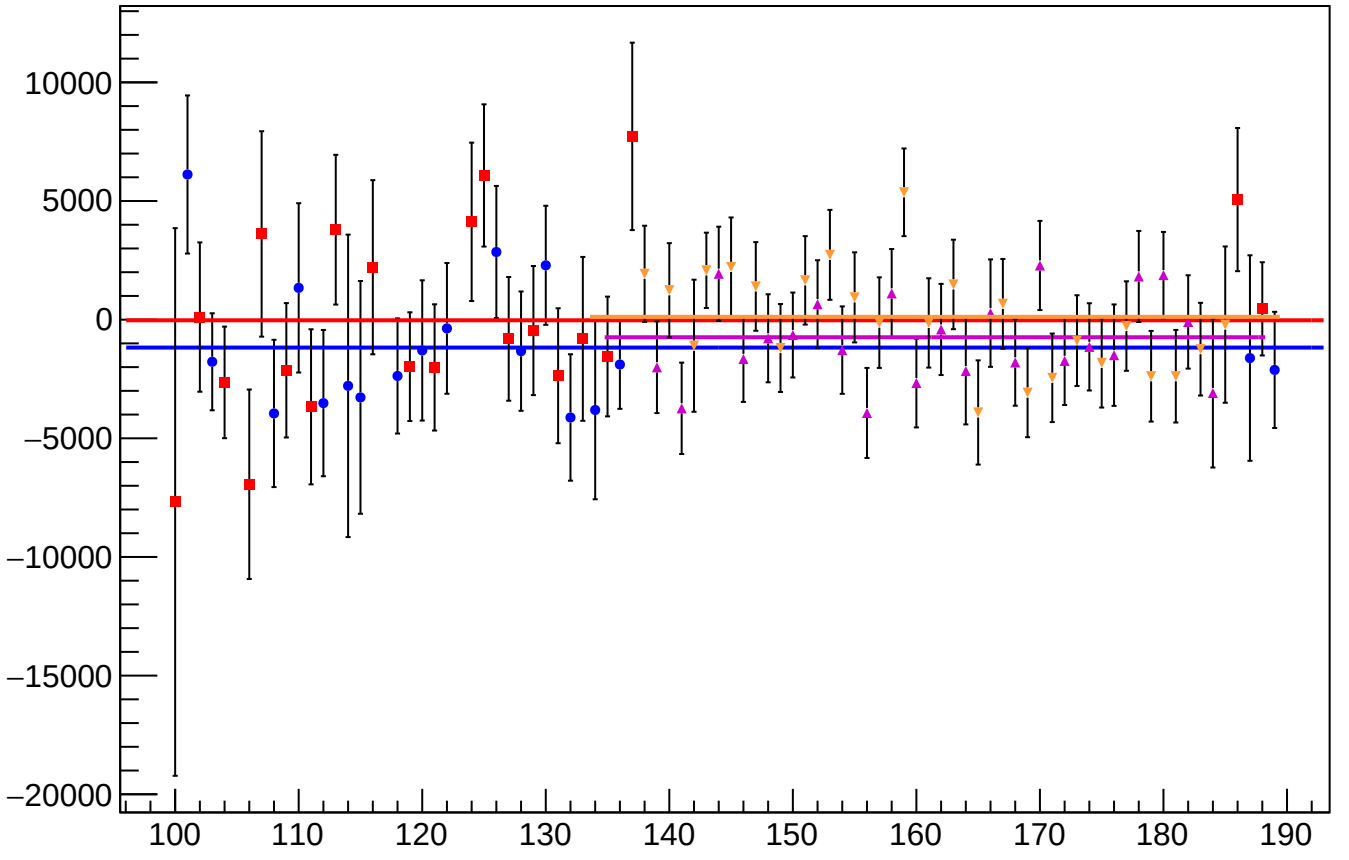
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1109.627+/-0.340 χ^2/NDF: 22330425.9/38

In: 4000.562+/-0.566 χ^2/NDF:2210187.0/40

Out: 1501.973+/-0.316 χ^2/NDF:32959662.1/45

All: 2096.611+/-0.276 χ^2/NDF: 50007957.8/8



Right In: -1176.160+/-664.677 χ^2/NDF: 13.4/17

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -26.375+/-643.927 χ^2/NDF: 24.0/20

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

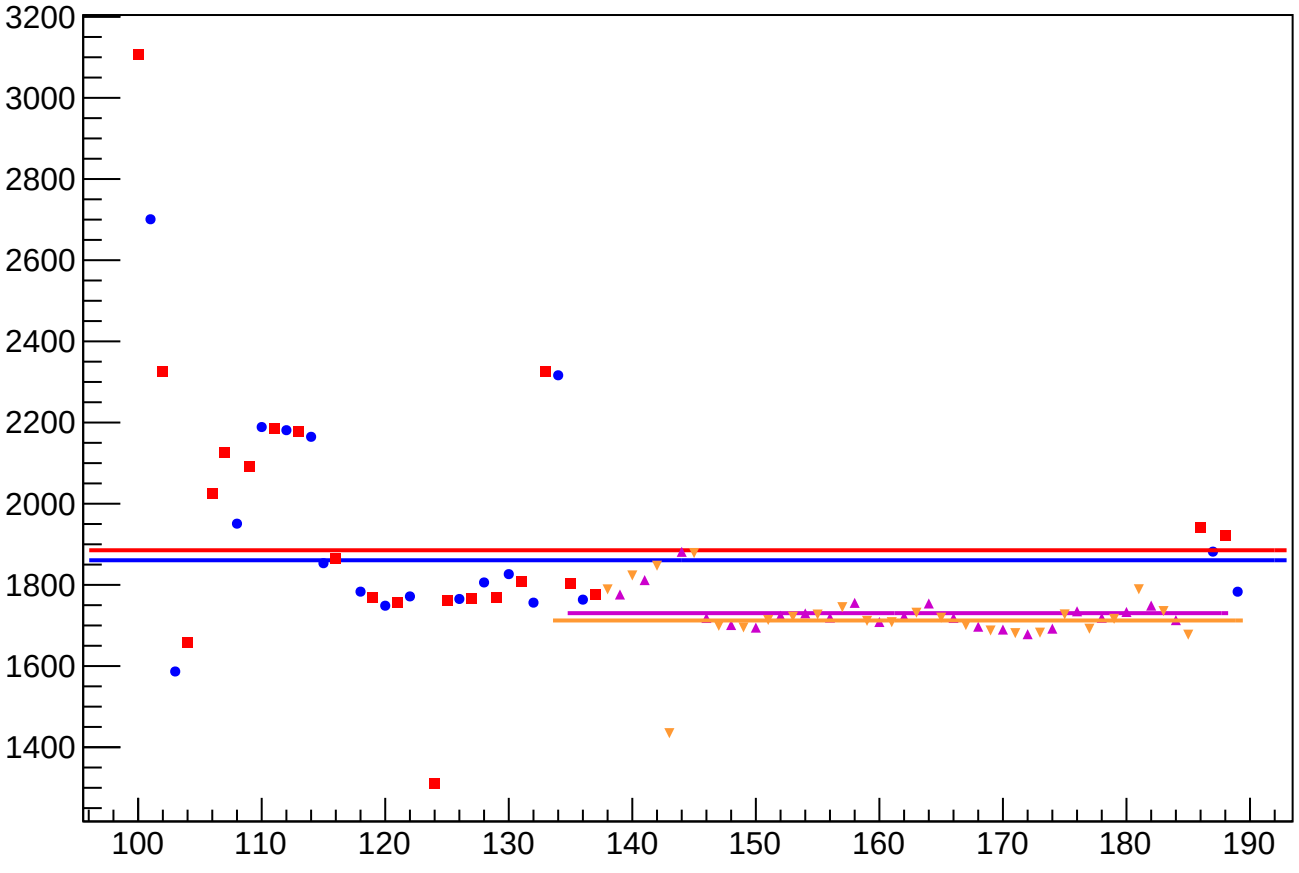
Right: -583.040+/-462.487 χ^2/NDF: 38.9/38

In: -858.602+/-345.332 χ^2/NDF:32.7/40

Out: 80.766+/-333.247 χ^2/NDF:53.7/45

All: -372.194+/-239.800 χ^2/NDF: 90.2/86

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1860.682+/-0.470 χ^2/NDF: 258450.4/17

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1885.316+/-0.455 χ^2/NDF: 253472.1/20

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

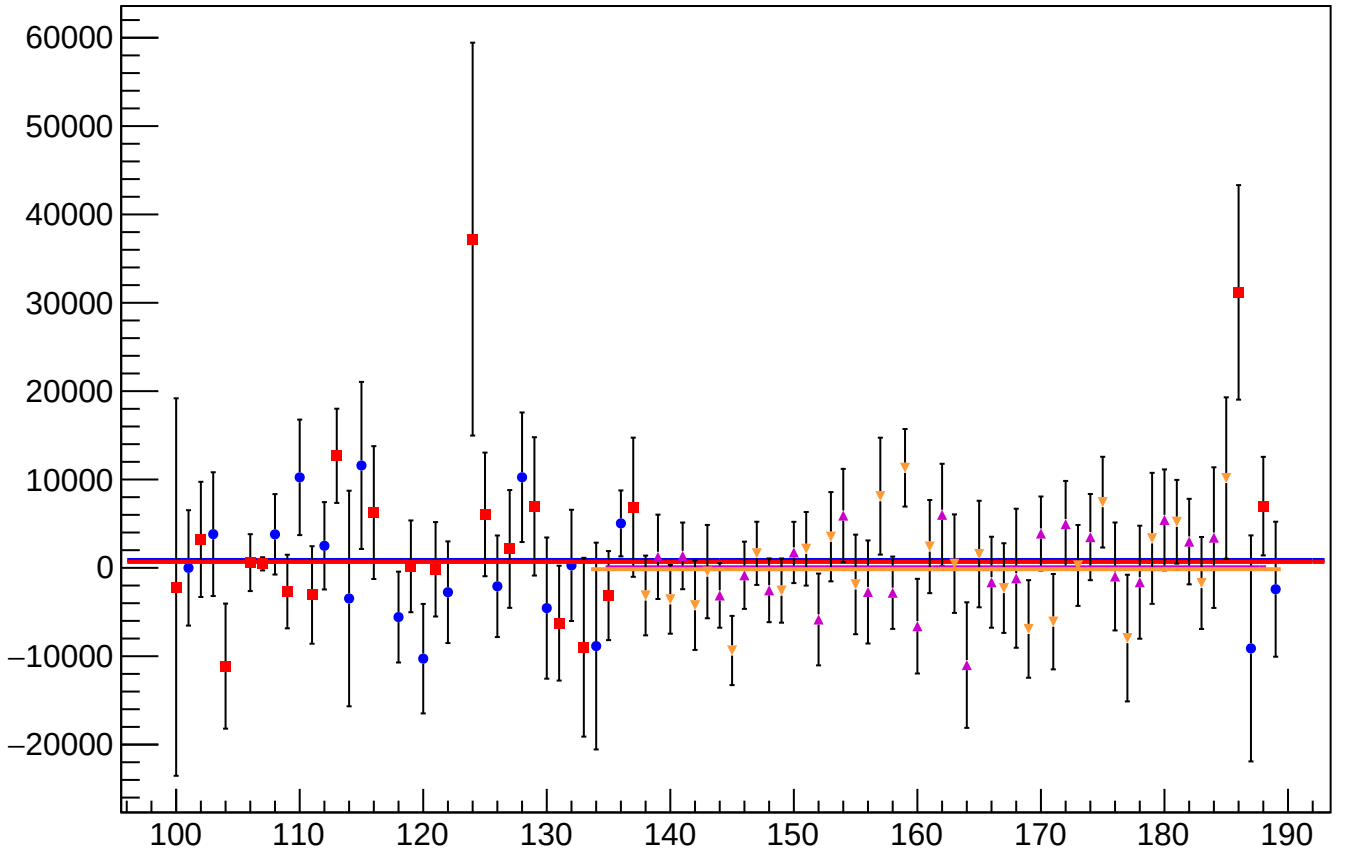
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1873.398+/-0.327 χ^2/NDF: 513340.7/38

In: 1765.524+/-0.244 χ^2/NDF:337673.5/40

Out: 1758.694+/-0.236 χ^2/NDF:453684.6/45

All: 1761.987+/-0.170 χ^2/NDF: 791763.3/86



Right In: 891.607+/-1473.560 χ^2/NDF: 14.5/17

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 670.722+/-653.022 χ^2/NDF: 24.6/20

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

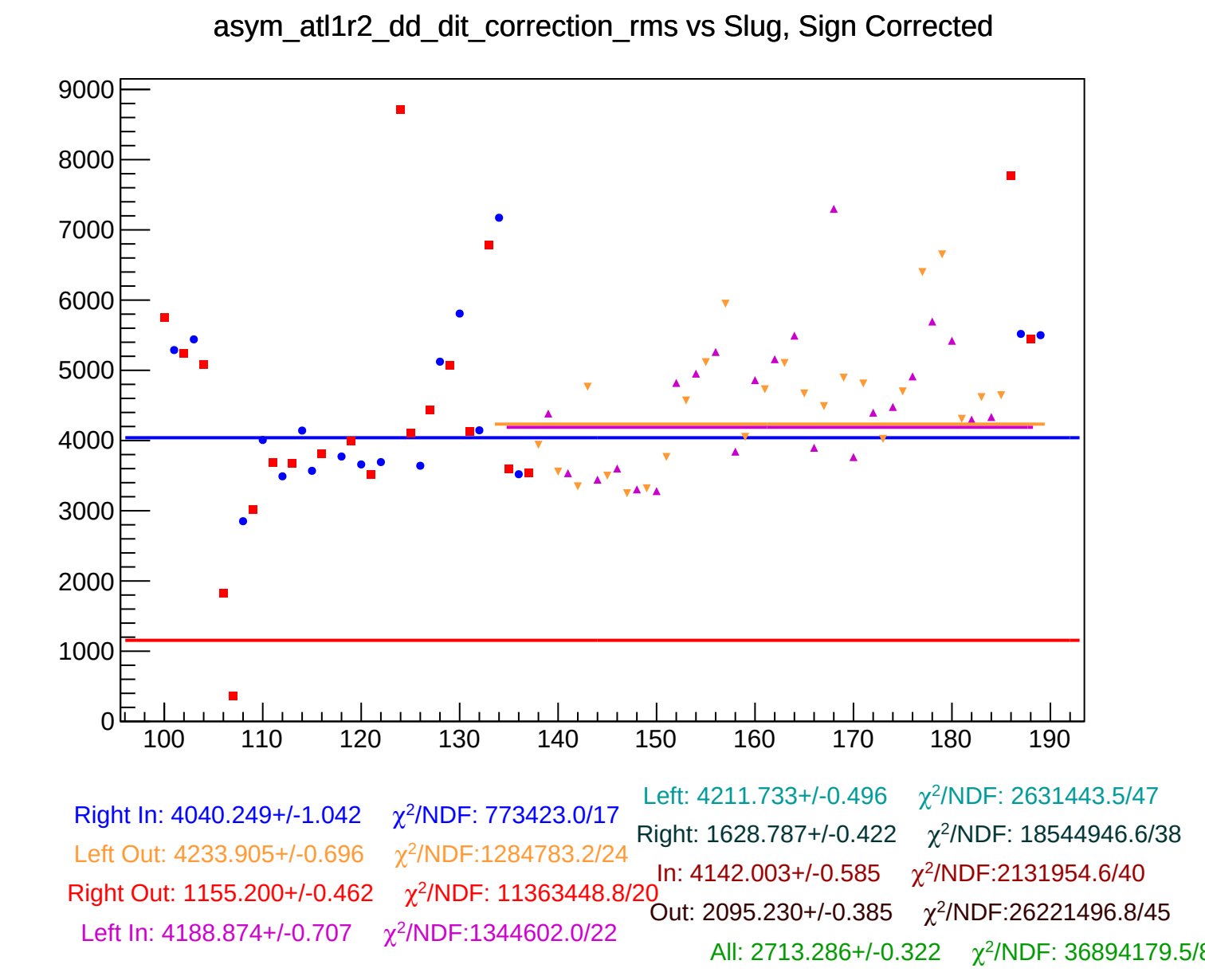
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

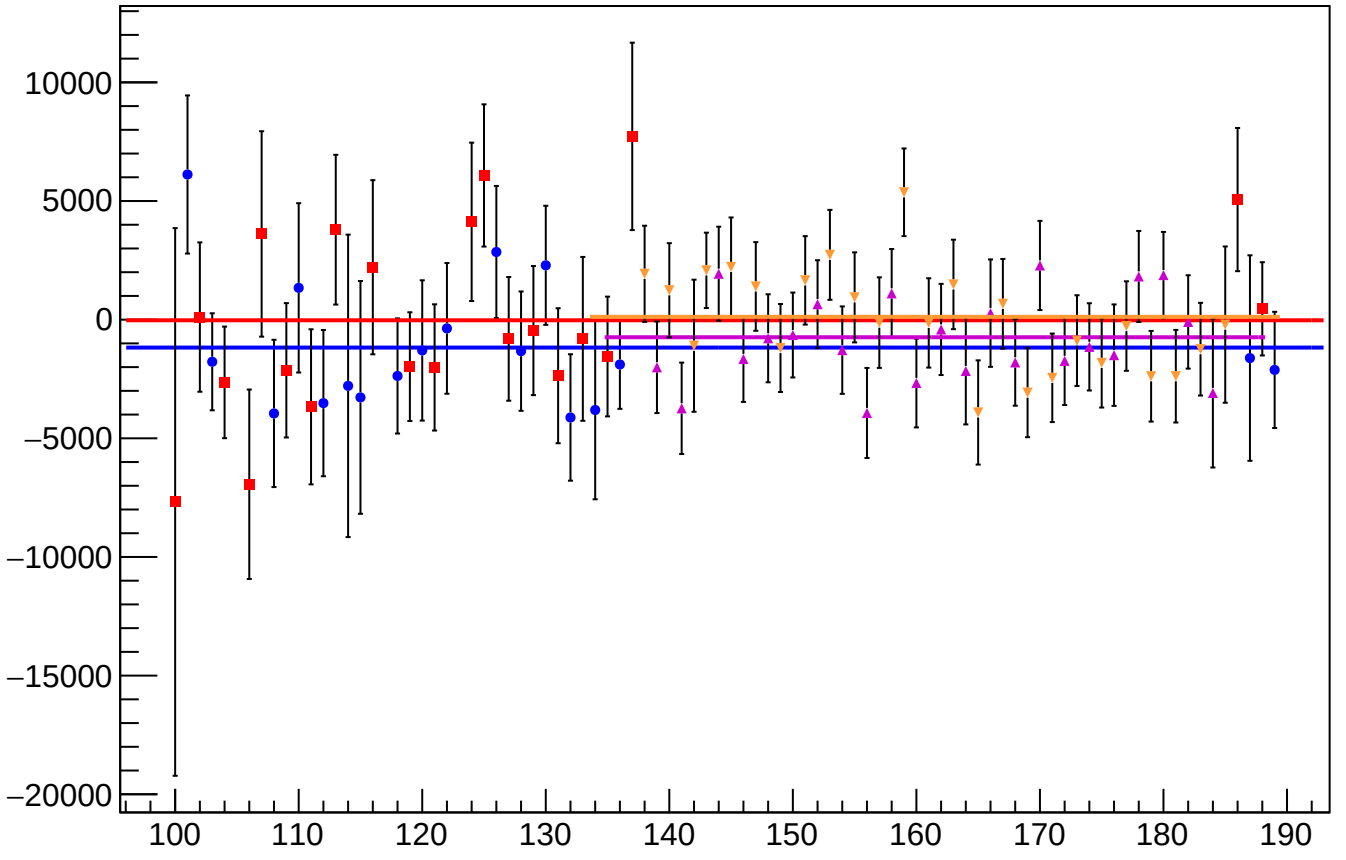
Right: 706.981+/-597.023 χ^2/NDF: 39.1/38

In: 325.799+/-827.514 χ^2/NDF:28.7/40

Out: 420.077+/-544.272 χ^2/NDF:52.0/45

All: 391.609+/-454.731 χ^2/NDF: 80.7/86


asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 4040.249+/-1.042 χ²/NDF: 773423.0/17
Left Out: 4233.905+/-0.696 χ²/NDF:1284783.2/24
Right Out: 1155.200+/-0.462 χ²/NDF: 11363448.8/20
Left In: 4188.874+/-0.707 χ²/NDF:1344602.0/22
Left: 4211.733+/-0.496 χ²/NDF: 2631443.5/47
Right: 1628.787+/-0.422 χ²/NDF: 18544946.6/38
In: 4142.003+/-0.585 χ²/NDF:2131954.6/40
Out: 2095.230+/-0.385 χ²/NDF:26221496.8/45
All: 2713.286+/-0.322 χ²/NDF: 36894179.5/8



Right In: -1176.164+/-664.677 χ^2/NDF: 13.4/17

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -26.380+/-643.927 χ^2/NDF: 24.0/20

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

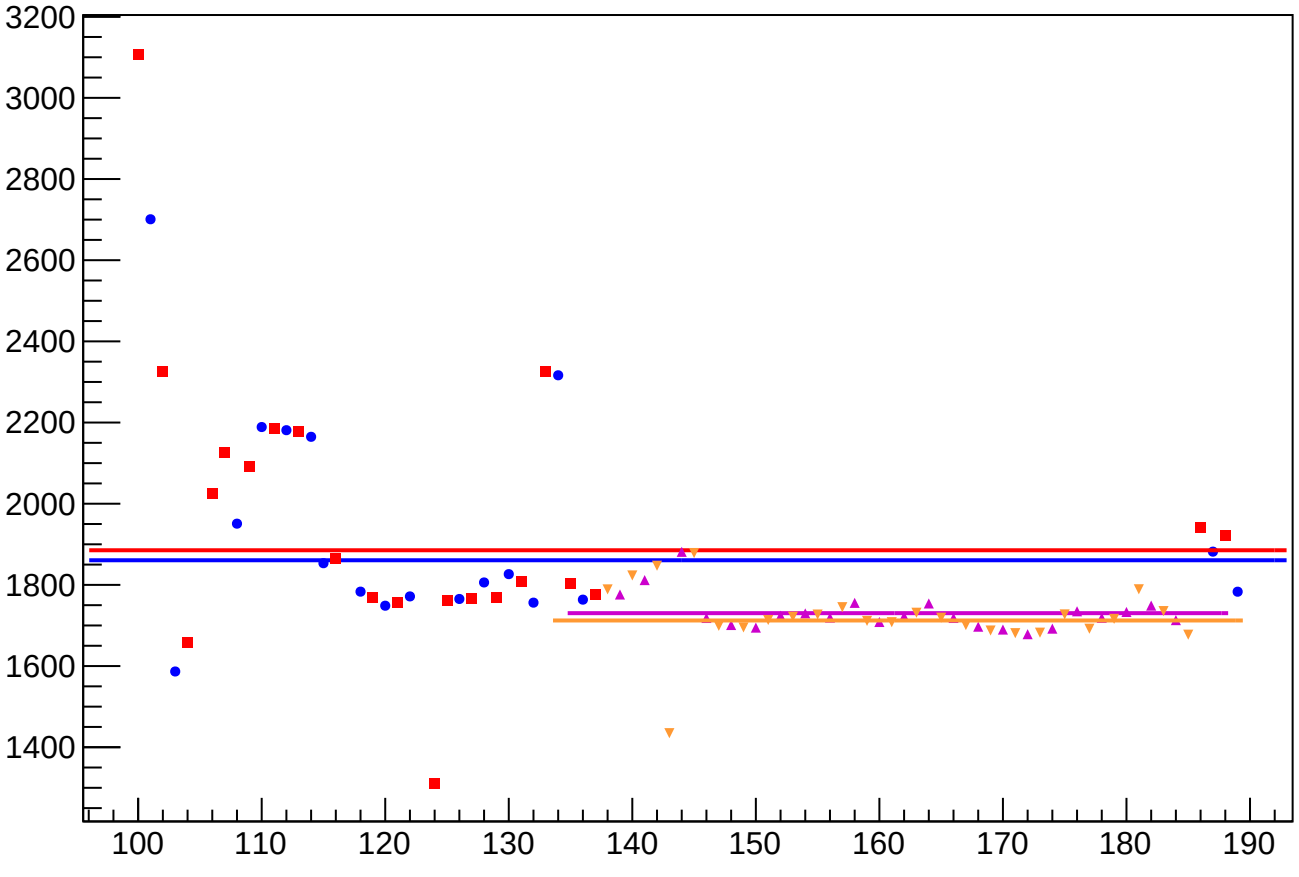
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -583.045+/-462.487 χ^2/NDF: 38.9/38

In: -858.602+/-345.332 χ^2/NDF:32.7/40

Out: 80.767+/-333.247 χ^2/NDF:53.7/45

All: -372.194+/-239.800 χ^2/NDF: 90.2/86



Right In: 1860.682+/-0.470 χ^2/NDF: 258450.3/17

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1885.316+/-0.455 χ^2/NDF: 253472.5/20

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

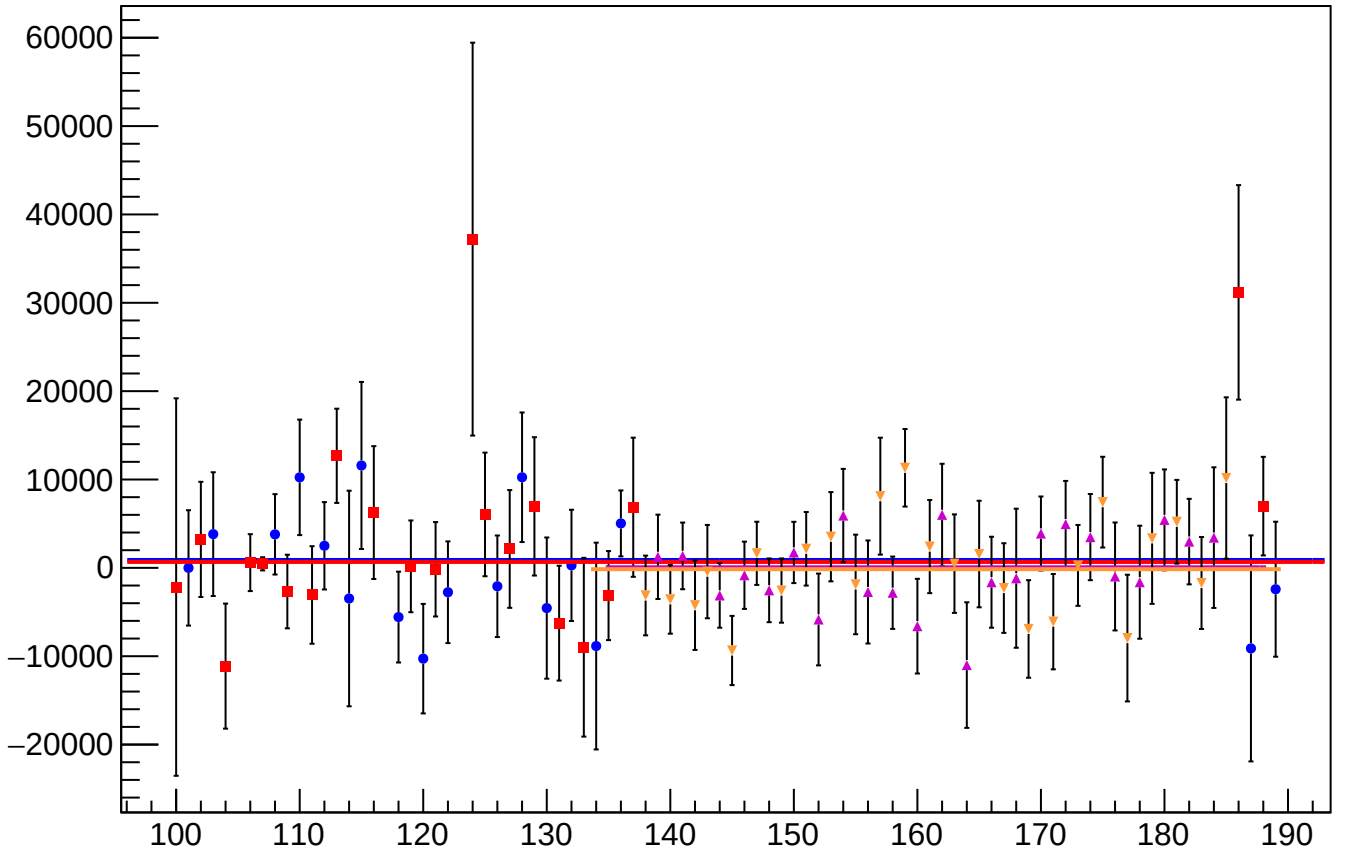
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1873.398+/-0.327 χ^2/NDF: 513340.9/38

In: 1765.525+/-0.244 χ^2/NDF:337672.7/40

Out: 1758.694+/-0.236 χ^2/NDF:453683.2/45

All: 1761.987+/-0.170 χ^2/NDF: 791761.2/86



Right In: 891.589+/-1473.558 χ^2/NDF: 14.5/17

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 670.735+/-653.032 χ^2/NDF: 24.6/20

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

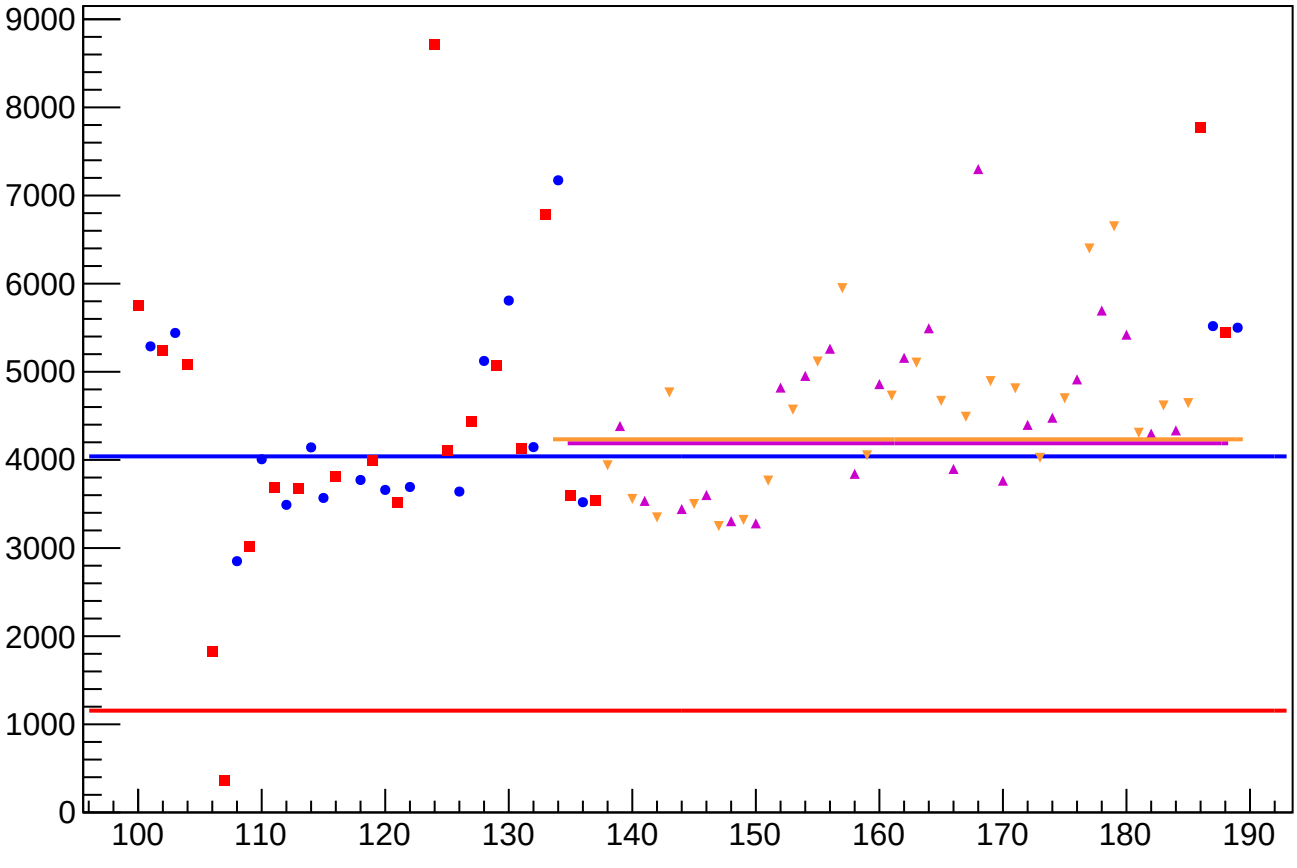
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 706.990+/-597.031 χ^2/NDF: 39.1/38

In: 325.796+/-827.515 χ^2/NDF:28.7/40

Out: 420.081+/-544.278 χ^2/NDF:52.0/45

All: 391.610+/-454.735 χ^2/NDF: 80.7/86



Right In: 4040.243+/-1.042 χ^2/NDF: 773421.7/17

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1155.233+/-0.462 χ^2/NDF: 11363296.7/20

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

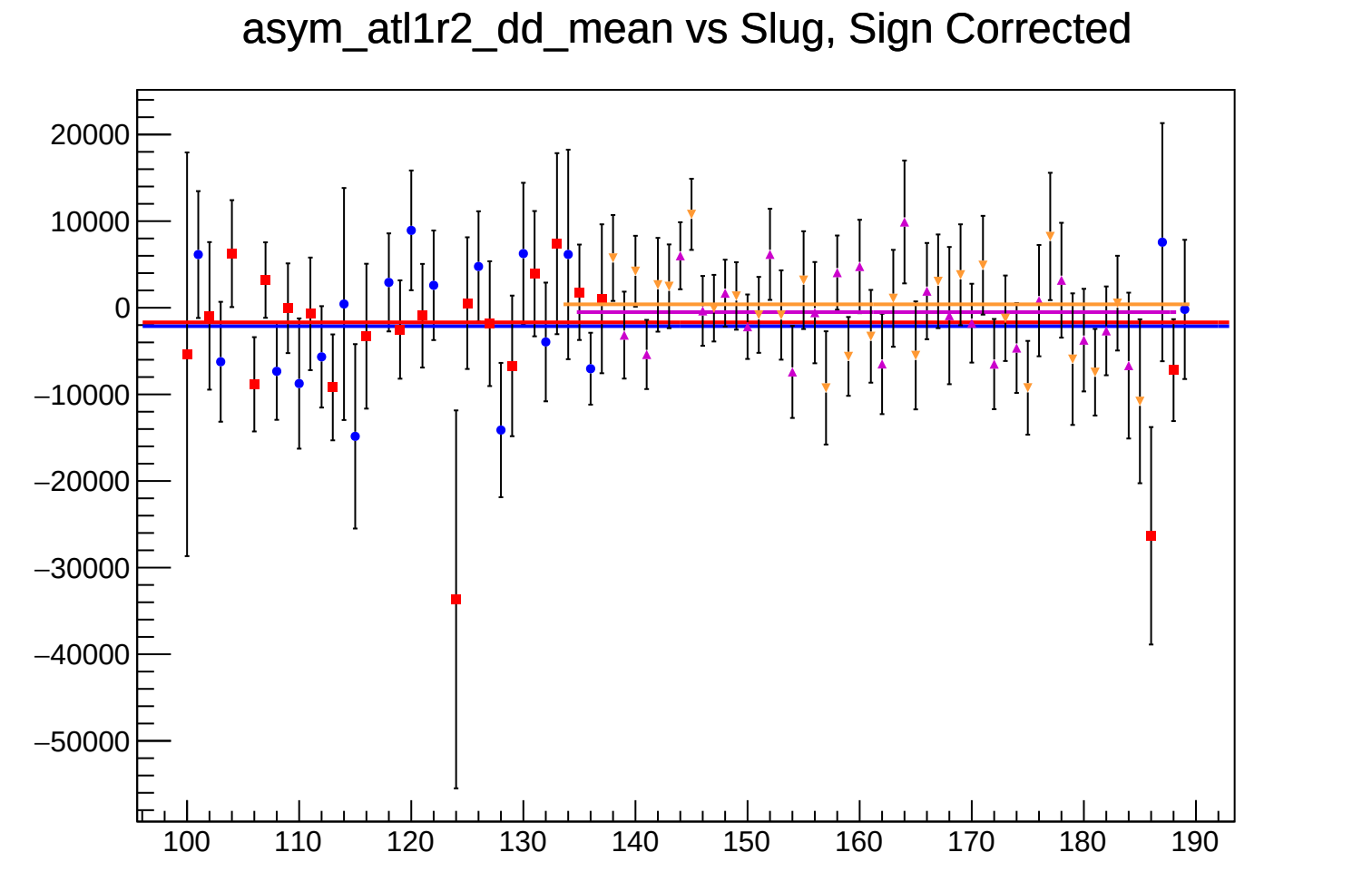
Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

Right: 1628.828+/-0.422 χ^2/NDF: 18544603.8/38

In: 4142.005+/-0.585 χ^2/NDF:2131960.4/40

Out: 2095.274+/-0.385 χ^2/NDF:26220949.2/45

All: 2713.326+/-0.322 χ^2/NDF: 36893222.8/8



Right In: -2124.260+/-1637.199 χ^2/NDF: 16.1/17

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1680.966+/-1485.509 χ^2/NDF: 15.6/20

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

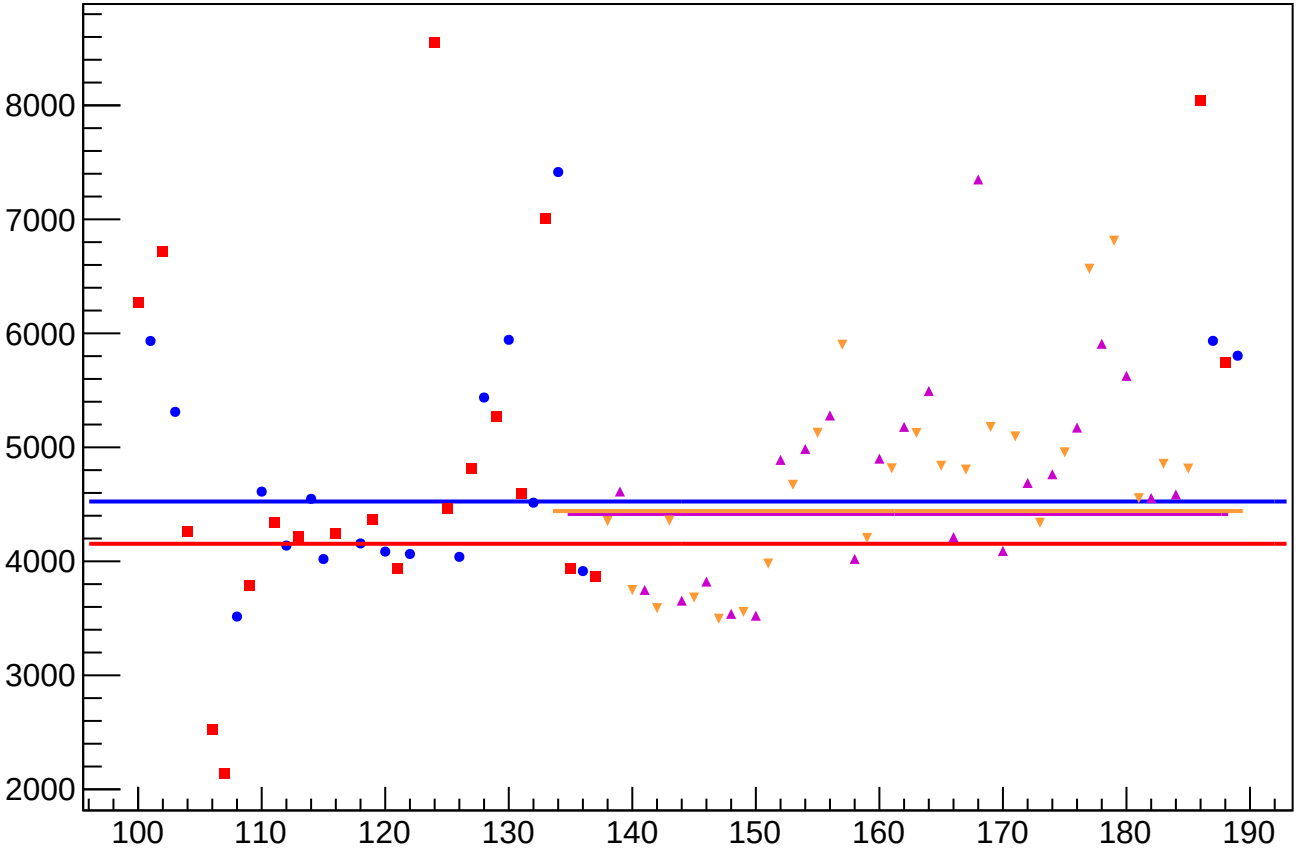
Right: -1881.130+/-1100.141 χ^2/NDF: 31.7/38

In: -975.299+/-883.657 χ^2/NDF:34.2/40

Out: -275.360+/-845.567 χ^2/NDF:41.6/45

All: -609.919+/-610.929 χ^2/NDF: 76.1/86

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4524.799+/-1.158 χ^2/NDF: 534130.8/17

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4154.034+/-1.041 χ^2/NDF: 1505537.9/20

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

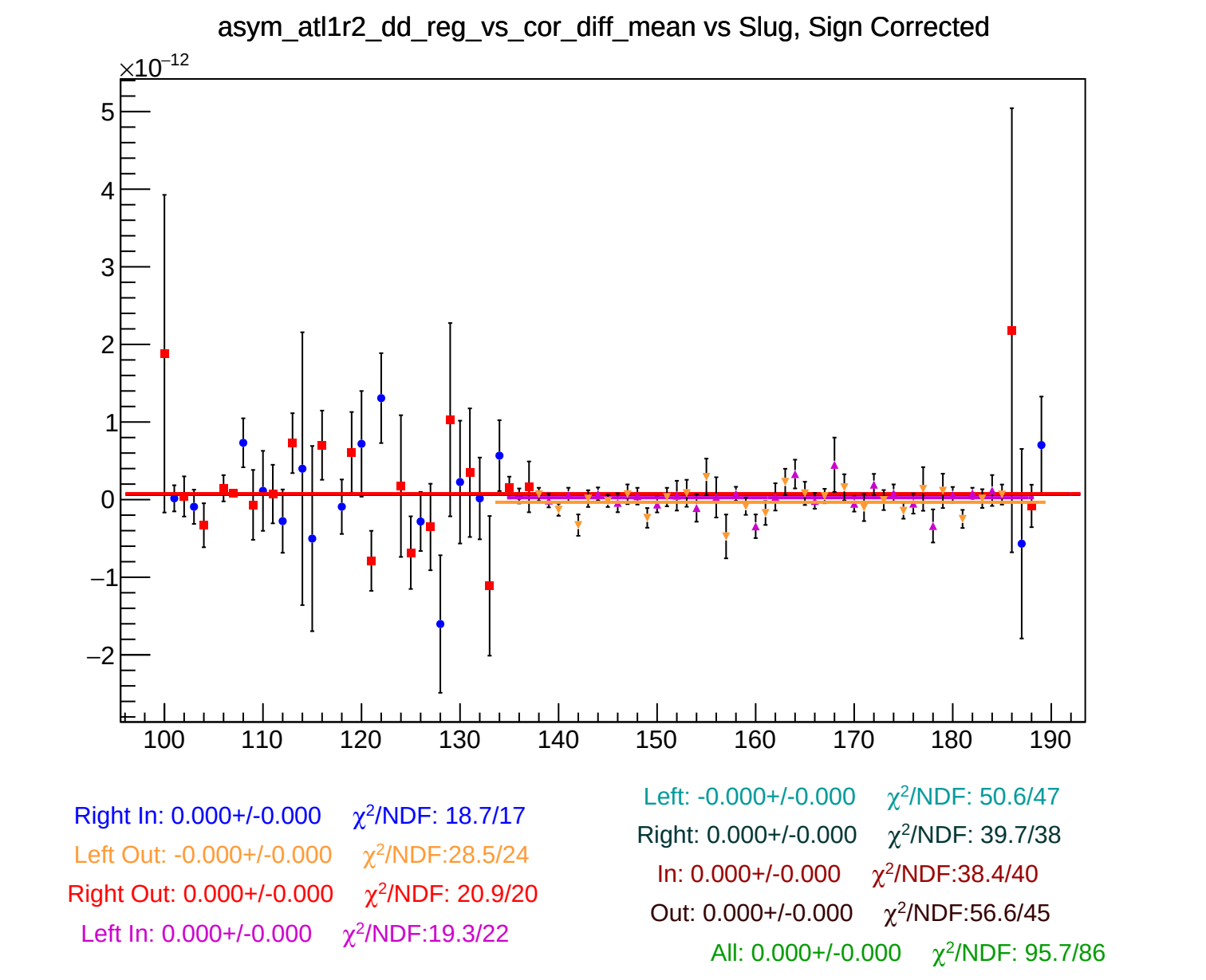
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

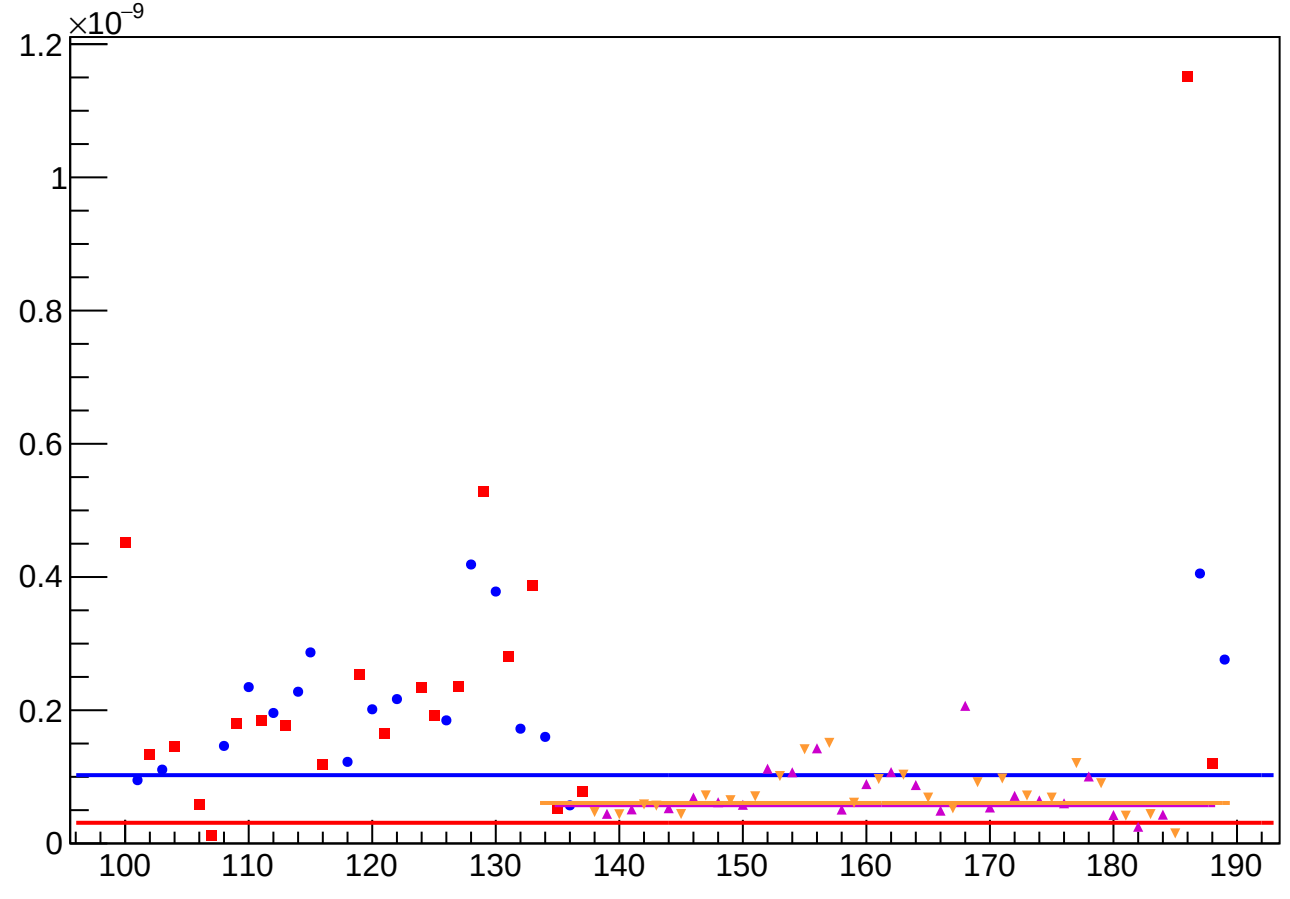
Right: 4319.761+/-0.774 χ^2/NDF: 2096391.7/38

In: 4447.246+/-0.625 χ^2/NDF:1651874.4/40

Out: 4346.735+/-0.596 χ^2/NDF:2629671.6/45

All: 4394.627+/-0.431 χ^2/NDF: 4295092.0/86


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.7/17
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.9/20
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: 39.7/38
In: 0.000+/-0.000 χ²/NDF:38.4/40
Out: 0.000+/-0.000 χ²/NDF:56.6/45
All: 0.000+/-0.000 χ²/NDF: 95.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 1844089.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4886226.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

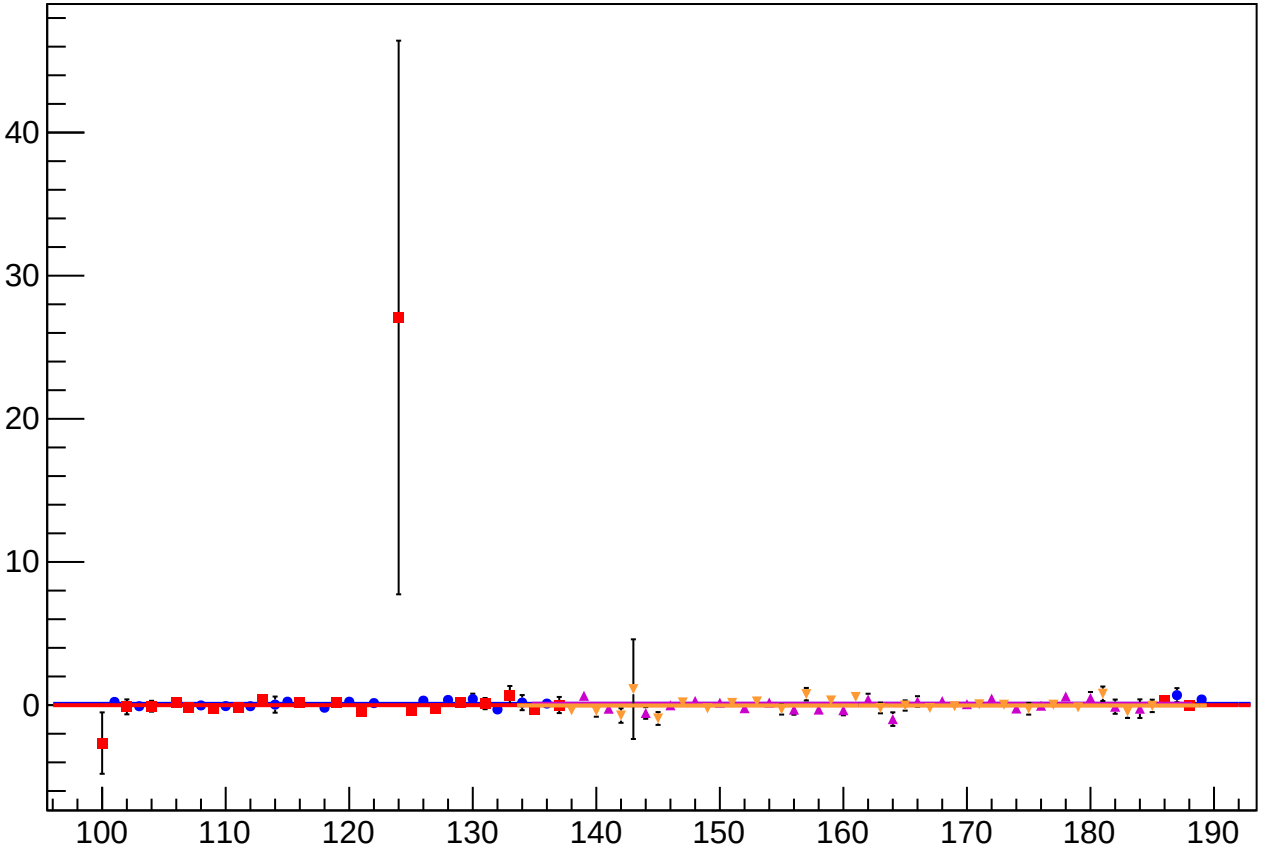
Right: 0.000+/-0.000 χ^2/NDF: 8537833.5/38

In: 0.000+/-0.000 χ^2/NDF:4509366.6/40

Out: 0.000+/-0.000 χ^2/NDF:7651081.0/45

All: 0.000+/-0.000 χ^2/NDF: 12503284.5/86

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

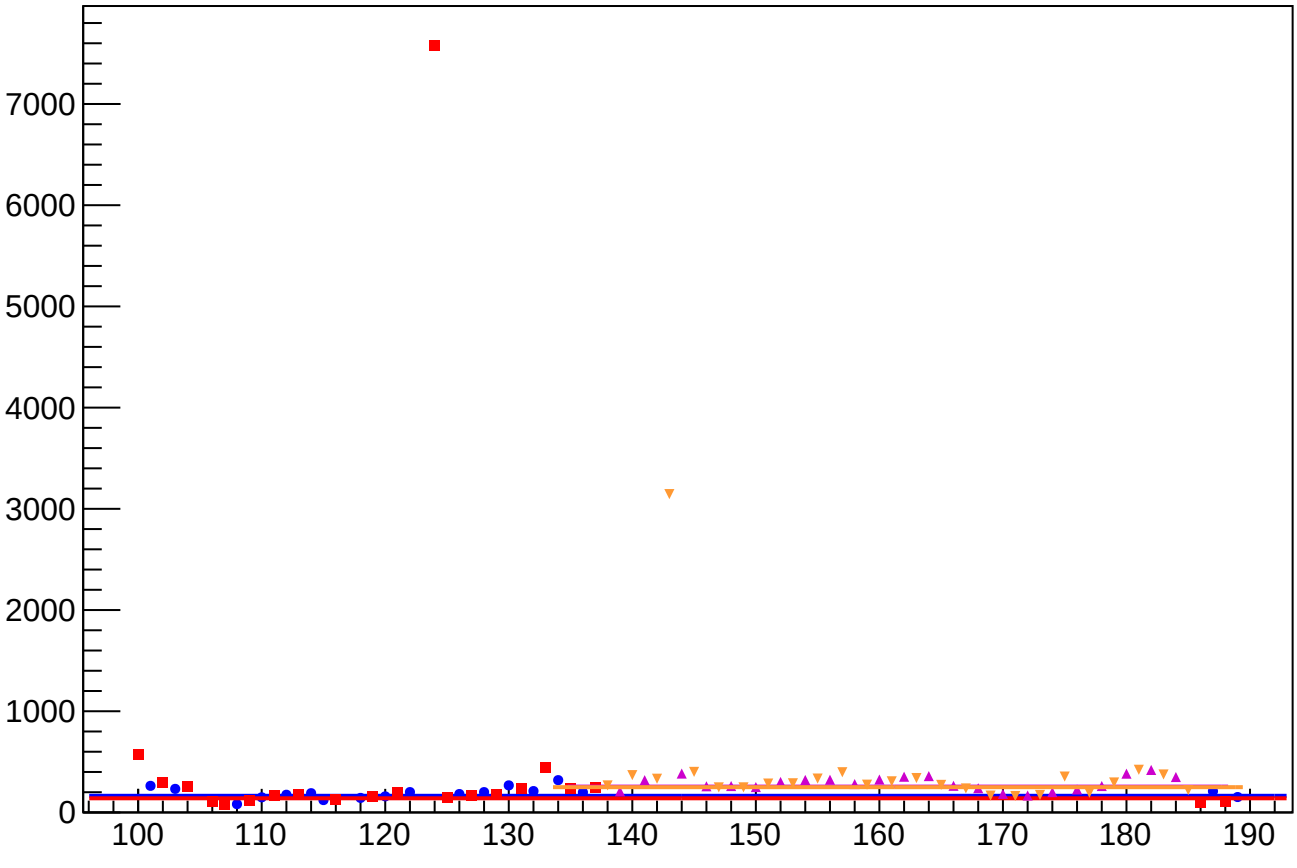
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.034+/-0.041 χ^2/NDF: 36.8/38

In: 0.091+/-0.045 χ^2/NDF:43.0/40

Out: -0.013+/-0.040 χ^2/NDF:47.7/45

All: 0.034+/-0.030 χ^2/NDF: 93.7/86



Right In: 164.554+/-0.045 χ^2/NDF: 1498308.9/17

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 139.866+/-0.038 χ^2/NDF: 2264692.4/20

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

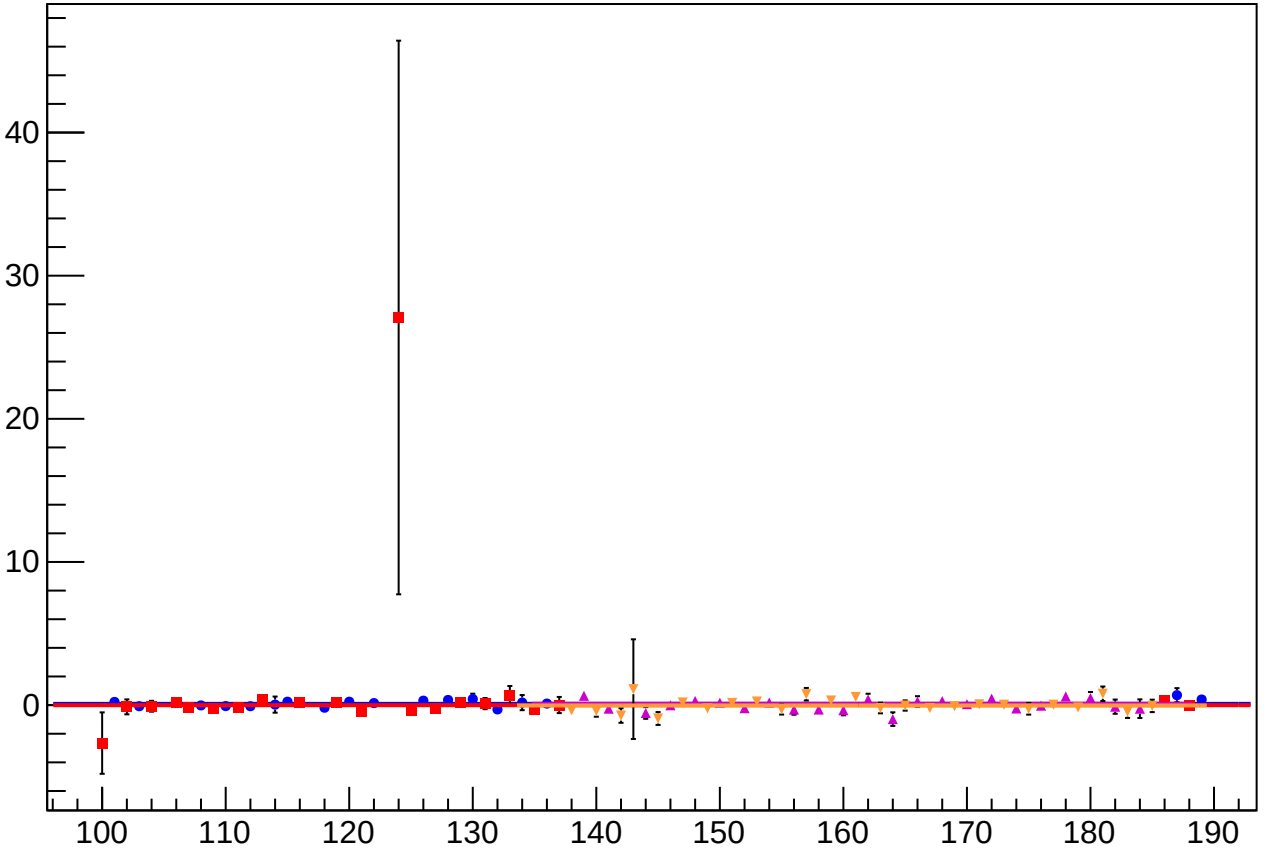
Right: 150.256+/-0.029 χ^2/NDF: 3941034.7/38

In: 209.905+/-0.031 χ^2/NDF:5685541.8/40

Out: 187.319+/-0.029 χ^2/NDF:10121689.3/45

All: 197.535+/-0.021 χ^2/NDF: 16088919.7/86

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

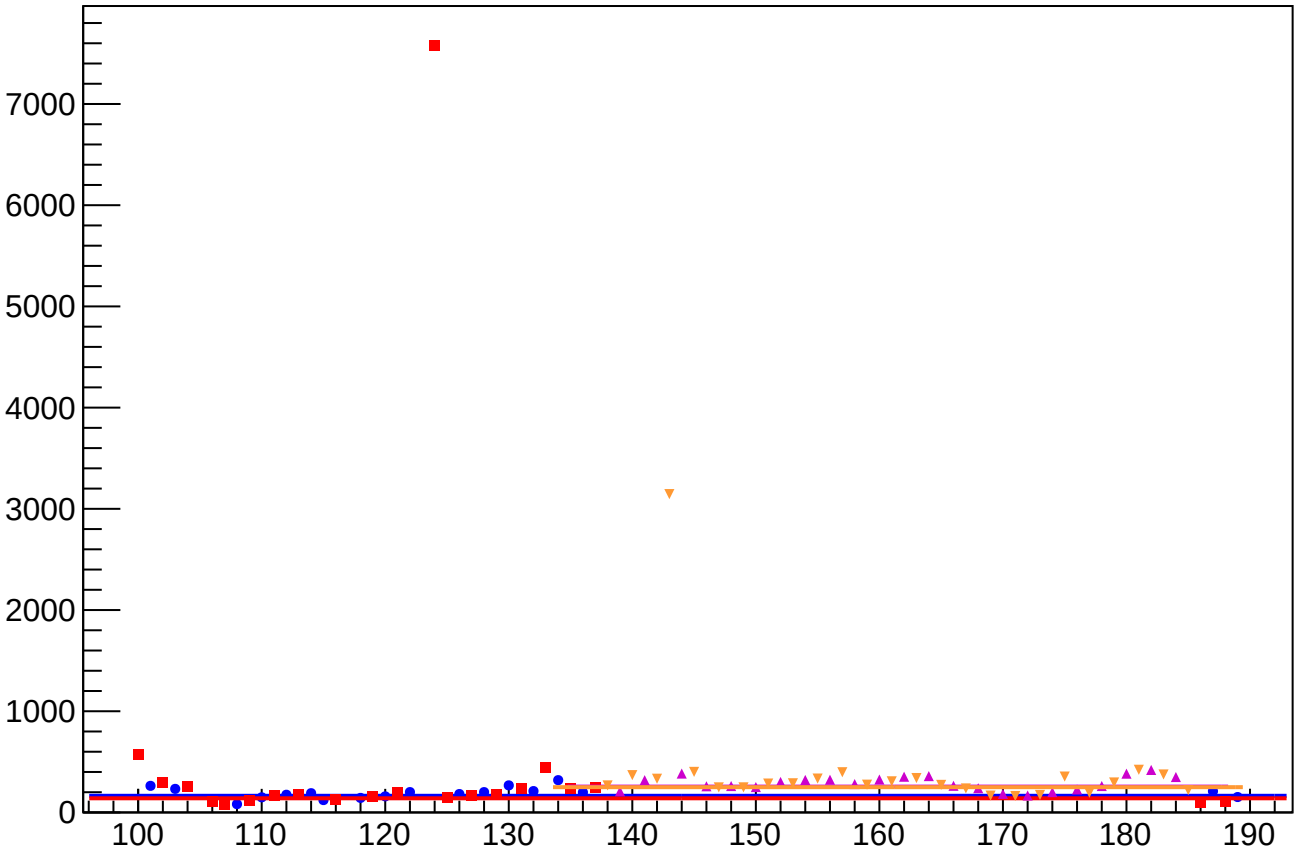
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.034+/-0.041 χ^2/NDF: 36.8/38

In: 0.091+/-0.045 χ^2/NDF:43.0/40

Out: -0.013+/-0.040 χ^2/NDF:47.7/45

All: 0.034+/-0.030 χ^2/NDF: 93.7/86



Right In: 164.554+/-0.045 χ^2/NDF: 1498308.9/17

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 139.866+/-0.038 χ^2/NDF: 2264692.4/20

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

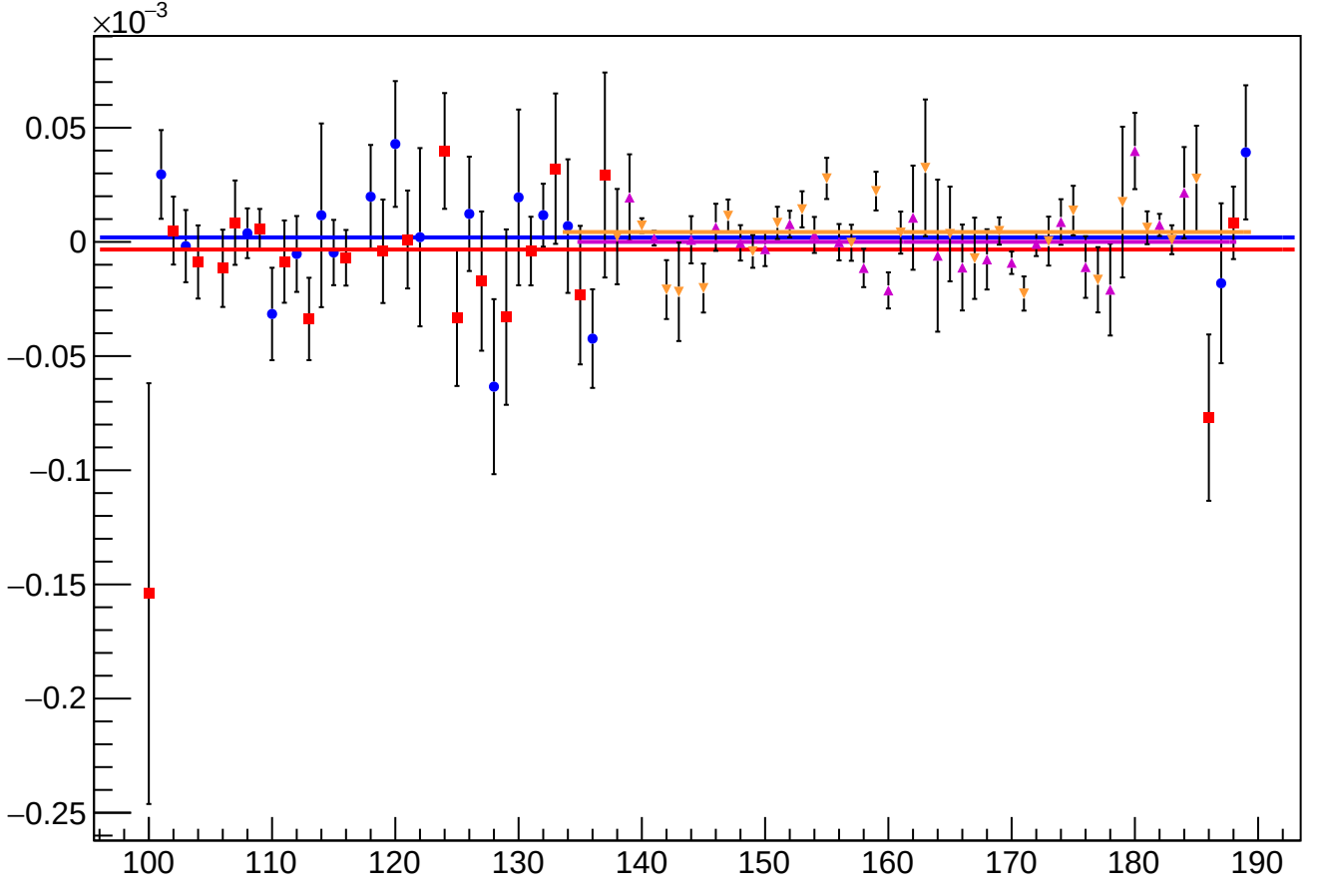
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 150.256+/-0.029 χ^2/NDF: 3941034.7/38

In: 209.905+/-0.031 χ^2/NDF:5685541.8/40

Out: 187.319+/-0.029 χ^2/NDF:10121689.3/45

All: 197.535+/-0.021 χ^2/NDF: 16088919.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/20

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

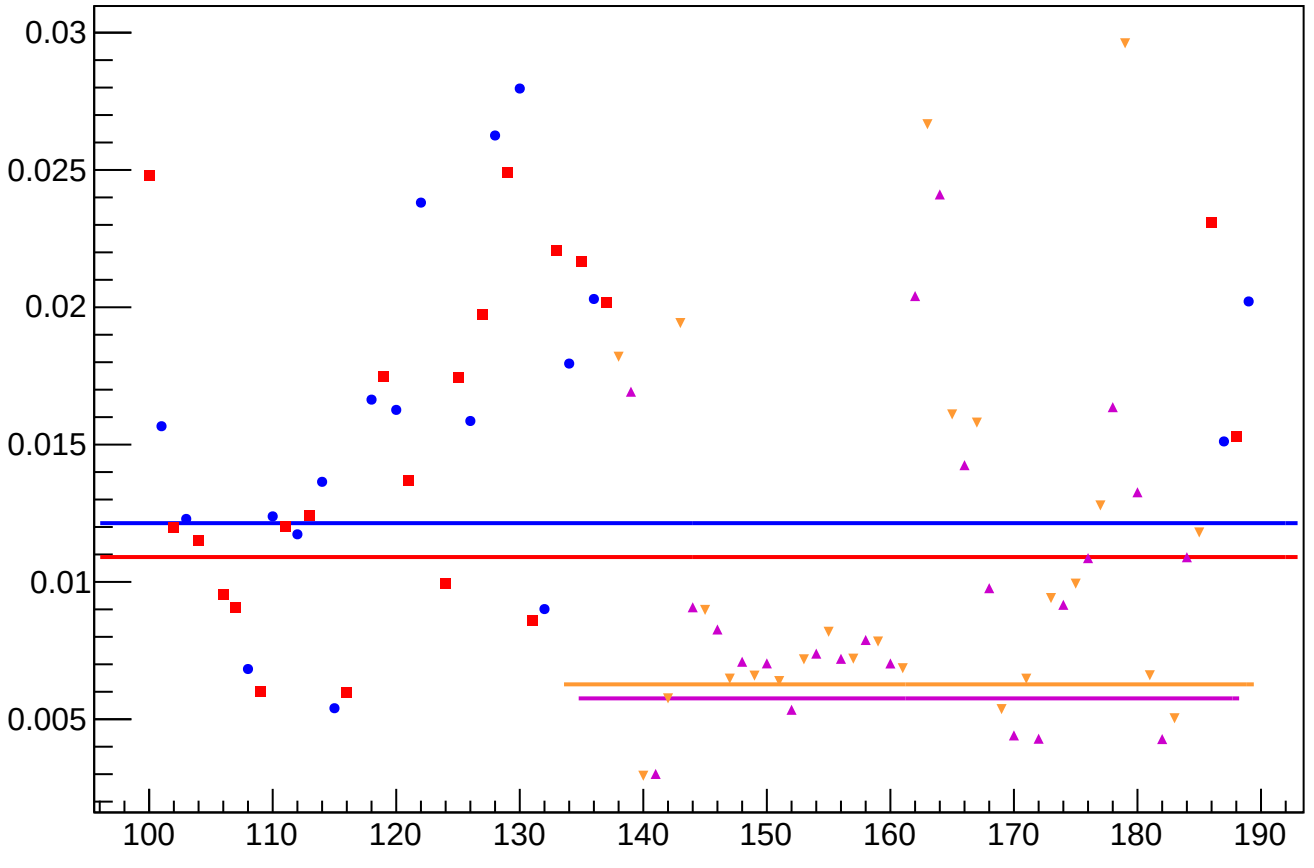
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 38.0/38

In: 0.000+/-0.000 χ^2/NDF:47.3/40

Out: 0.000+/-0.000 χ^2/NDF:68.3/45

All: 0.000+/-0.000 χ^2/NDF: 117.6/86



Right In: 0.012+/-0.000 χ^2/NDF: 2579270.8/17

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2757896.9/20

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

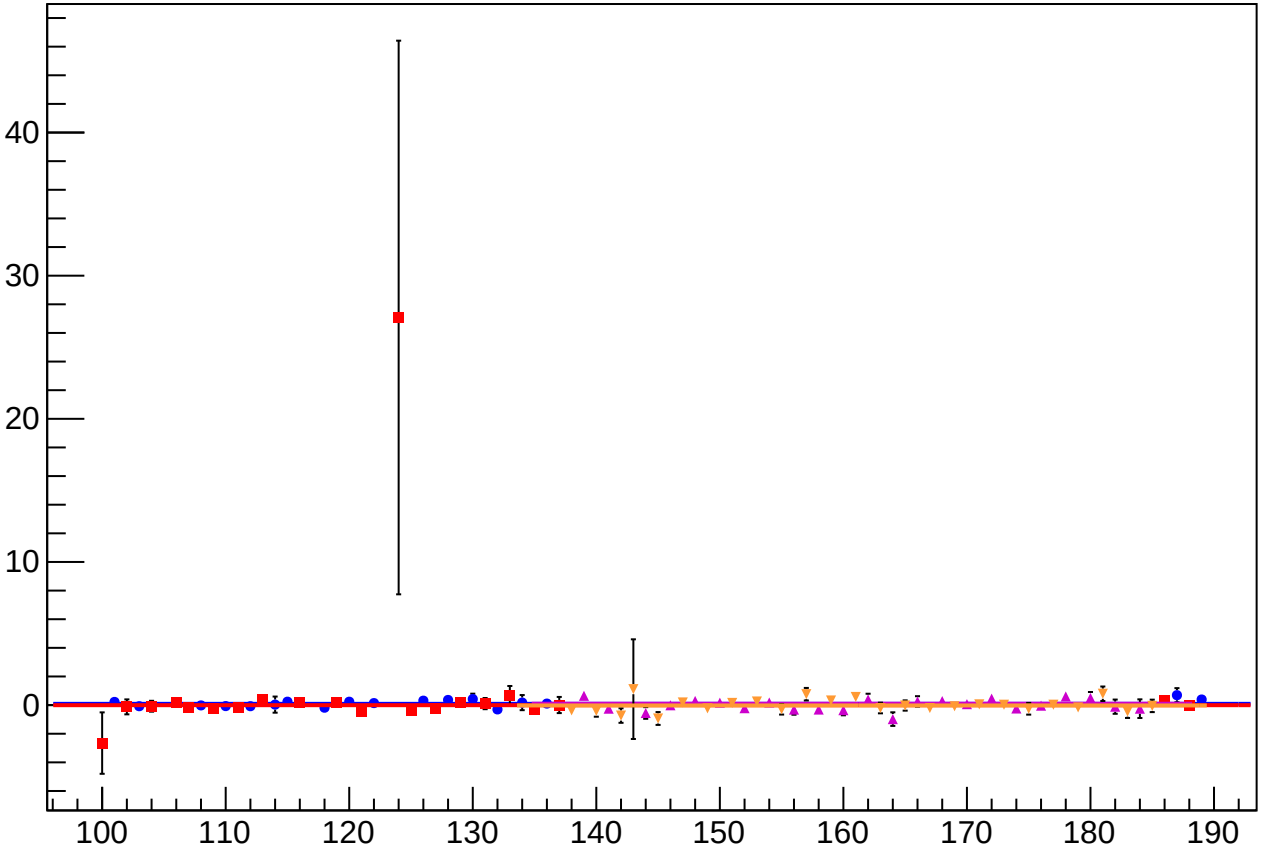
Right: 0.011+/-0.000 χ^2/NDF: 5414801.9/38

In: 0.006+/-0.000 χ^2/NDF:12893444.2/40

Out: 0.007+/-0.000 χ^2/NDF:12896708.8/45

All: 0.007+/-0.000 χ^2/NDF: 25913969.4/86

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

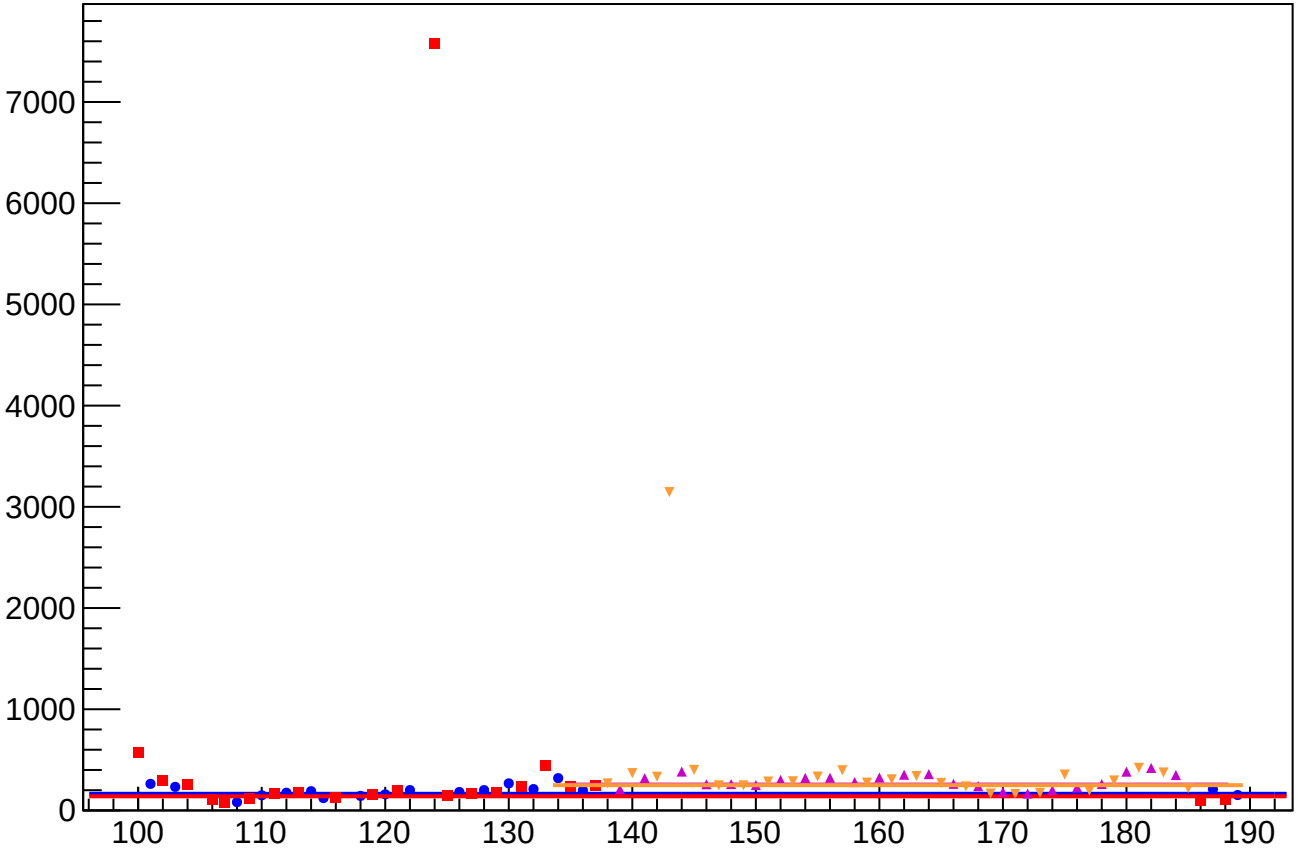
Right: 0.034+/-0.041 χ^2/NDF: 36.8/38

In: 0.091+/-0.045 χ^2/NDF:43.0/40

Out: -0.013+/-0.040 χ^2/NDF:47.7/45

All: 0.034+/-0.030 χ^2/NDF: 93.7/86

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.552+/-0.045 χ^2/NDF: 1498299.7/17

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 139.868+/-0.038 χ^2/NDF: 2264615.7/20

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

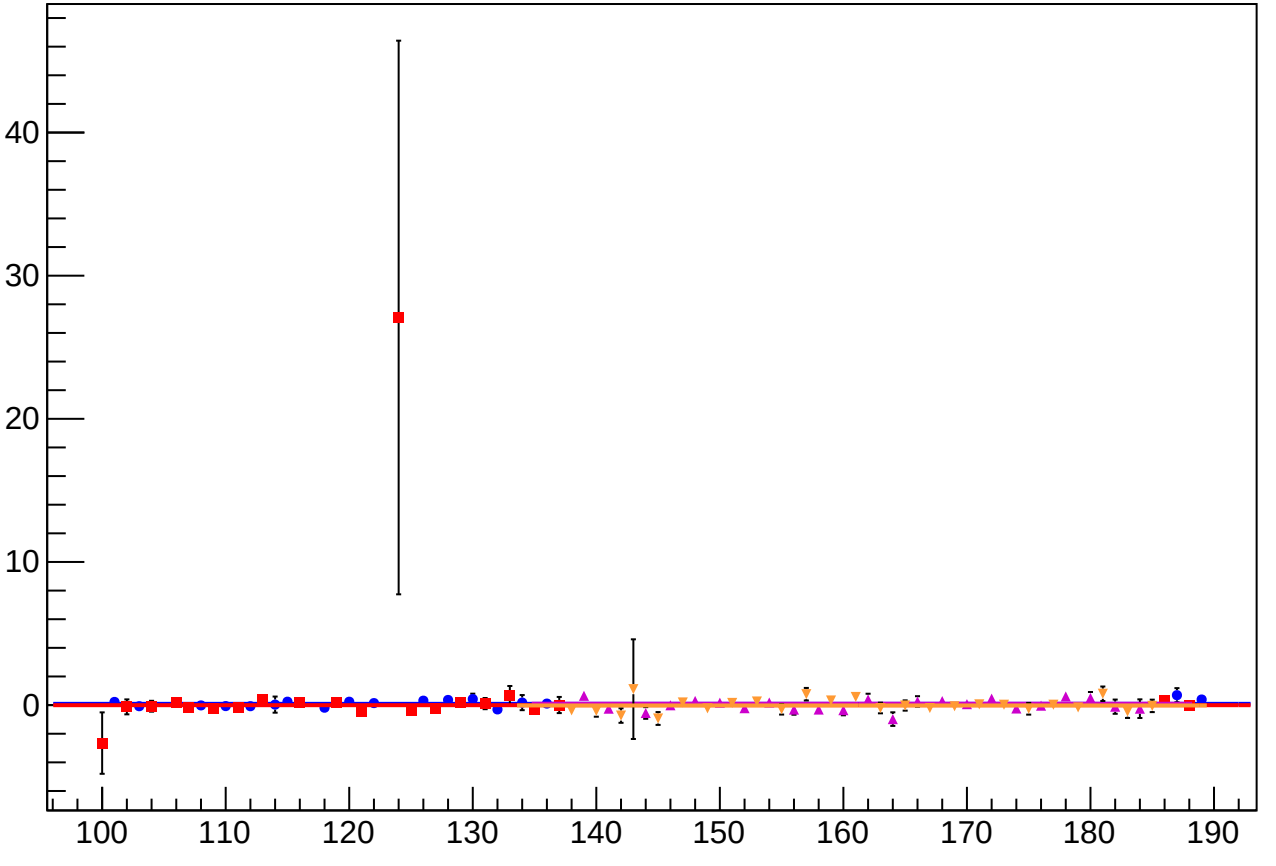
Right: 150.257+/-0.029 χ^2/NDF: 3940887.0/38

In: 209.904+/-0.031 χ^2/NDF:5685768.5/40

Out: 187.322+/-0.029 χ^2/NDF:10121586.1/45

All: 197.536+/-0.021 χ^2/NDF: 16088962.7/86

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.088+/-0.063 χ^2/NDF: 11.5/17

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

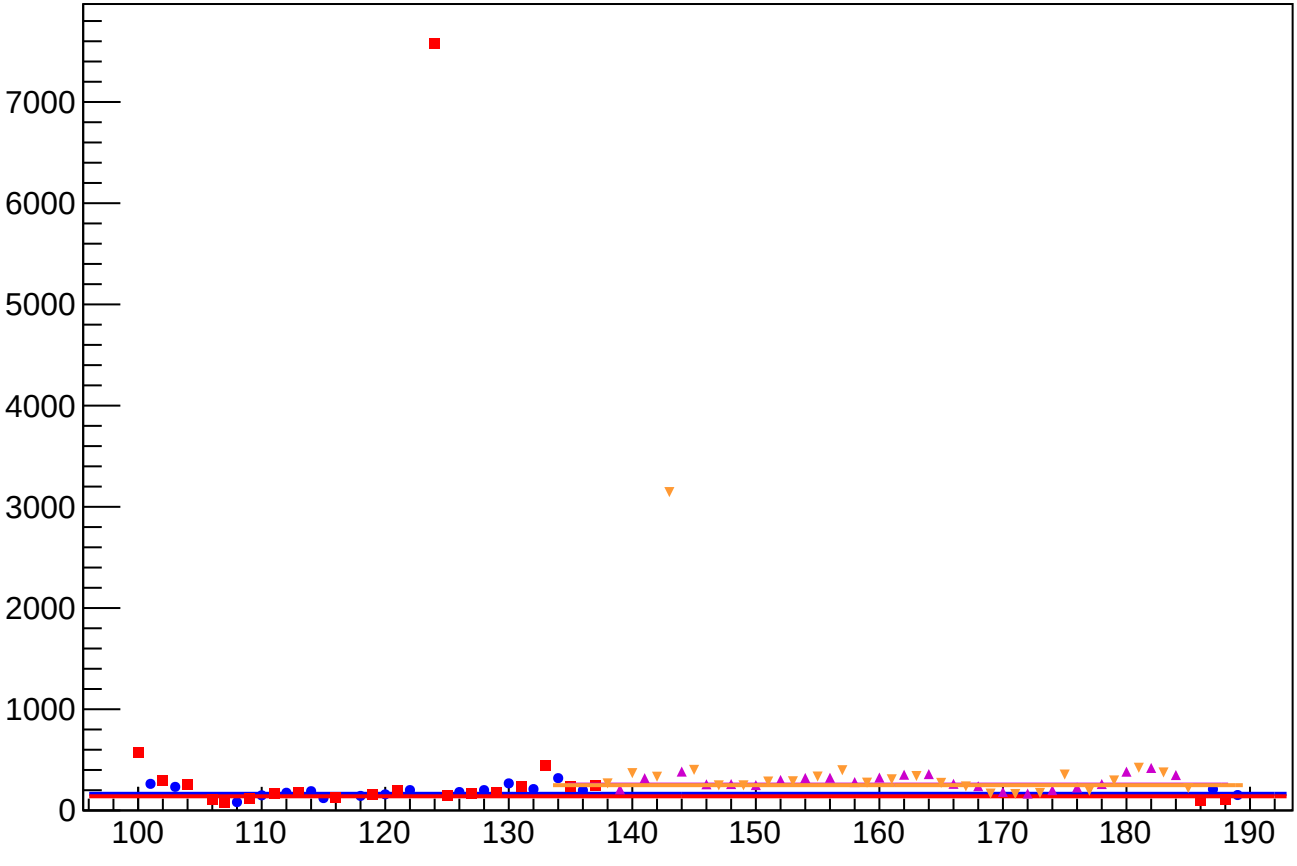
Right: 0.034+/-0.041 χ^2/NDF: 36.8/38

In: 0.091+/-0.045 χ^2/NDF:43.0/40

Out: -0.013+/-0.040 χ^2/NDF:47.7/45

All: 0.034+/-0.030 χ^2/NDF: 93.7/86

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.552+/-0.045 χ^2/NDF: 1498299.7/17

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 139.868+/-0.038 χ^2/NDF: 2264615.7/20

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

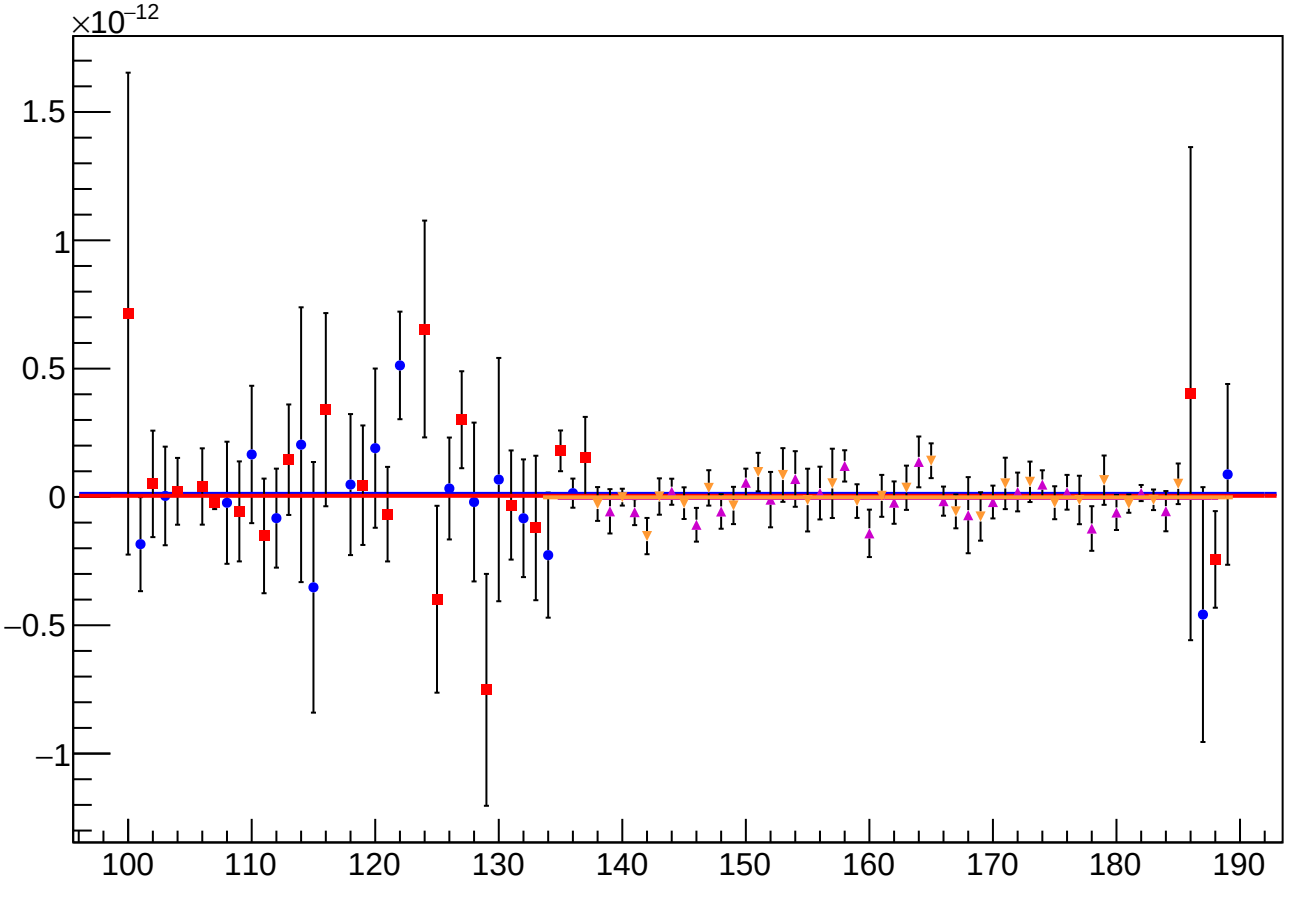
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 150.257+/-0.029 χ^2/NDF: 3940887.0/38

In: 209.904+/-0.031 χ^2/NDF:5685768.5/40

Out: 187.322+/-0.029 χ^2/NDF:10121586.1/45

All: 197.536+/-0.021 χ^2/NDF: 16088962.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

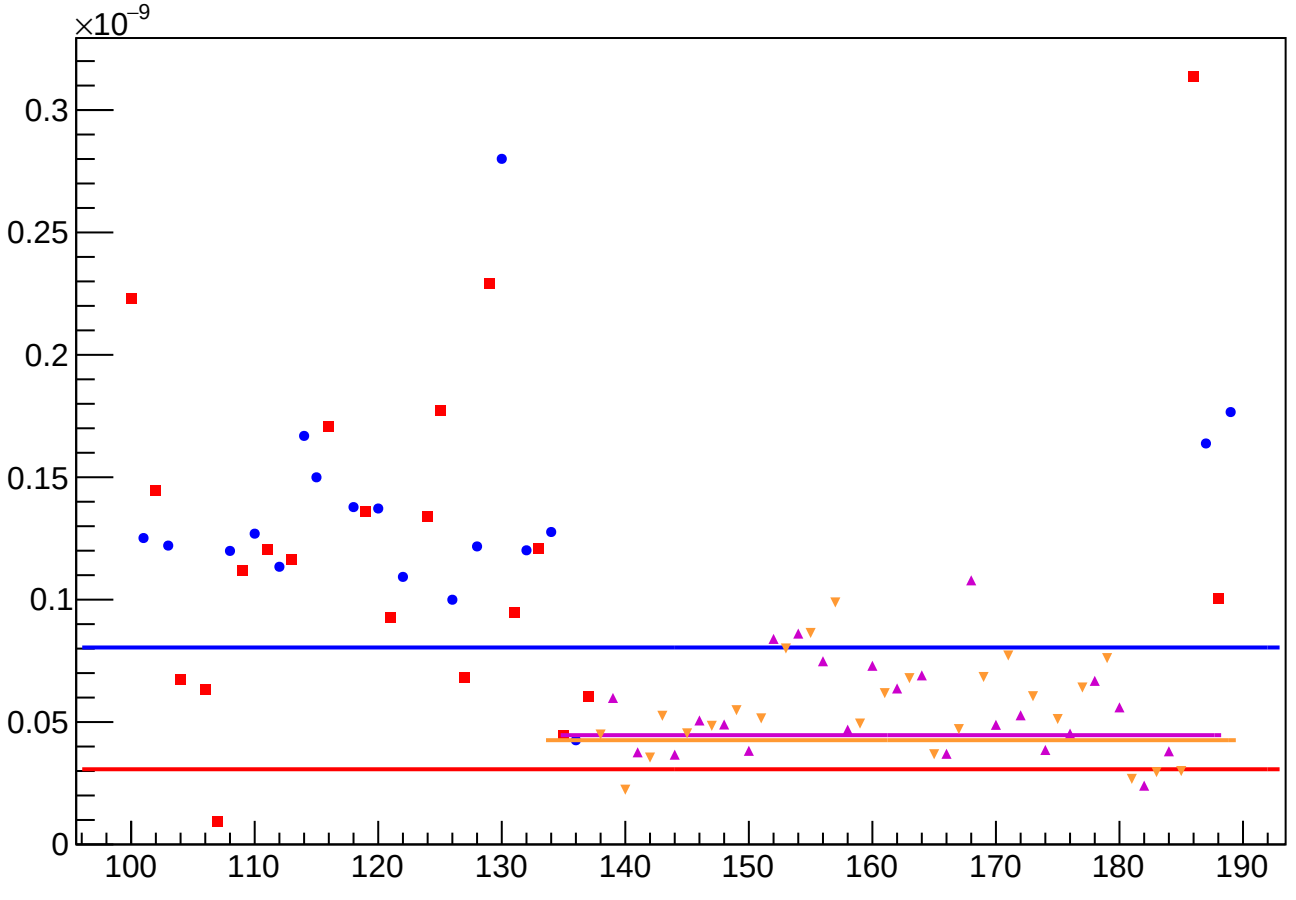
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 30.9/38

In: -0.000+/-0.000 χ^2/NDF:30.6/40

Out: -0.000+/-0.000 χ^2/NDF:36.7/45

All: -0.000+/-0.000 χ^2/NDF: 67.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 2312915.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5941300.2/20

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

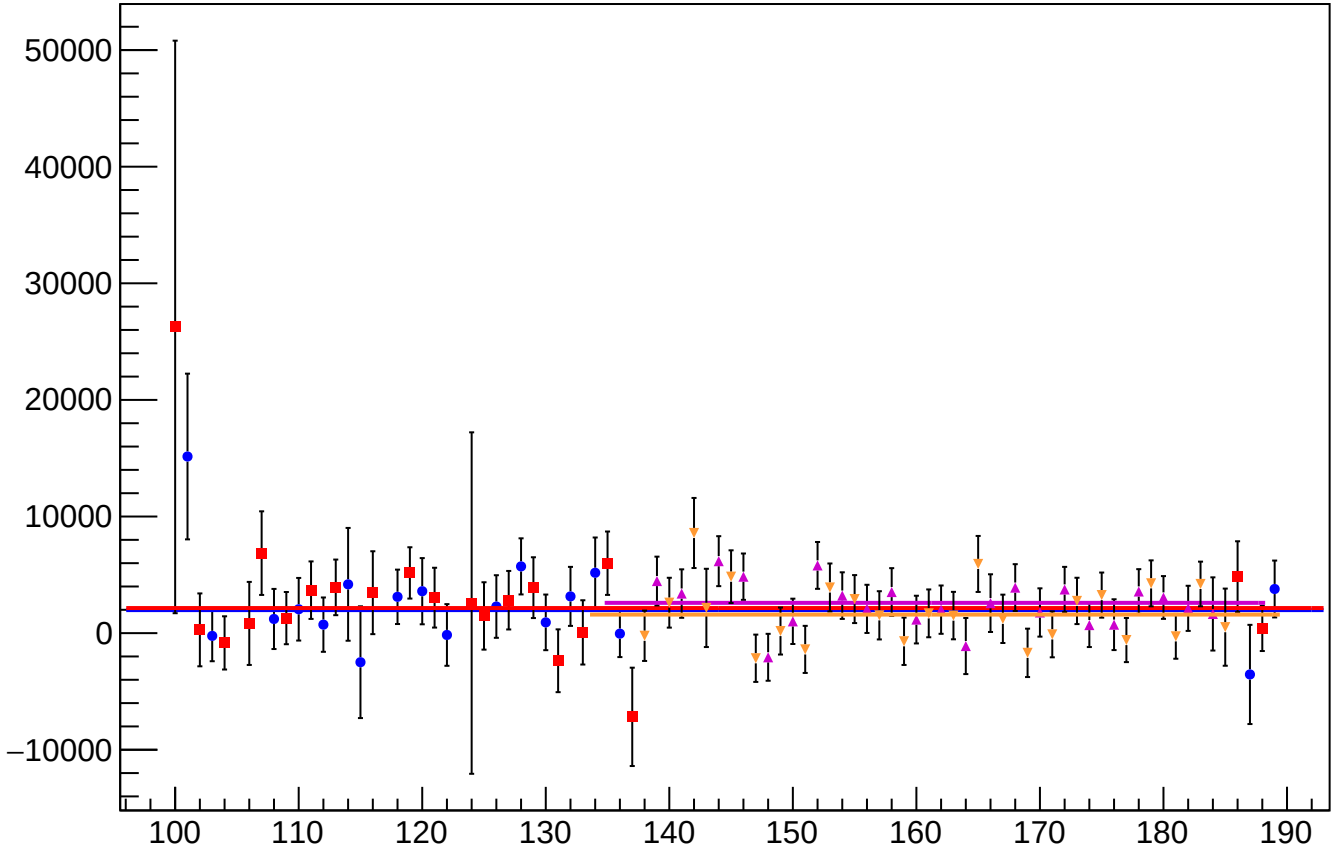
Right: 0.000+/-0.000 χ^2/NDF: 10426711.5/38

In: 0.000+/-0.000 χ^2/NDF:6504178.6/40

Out: 0.000+/-0.000 χ^2/NDF:10001518.5/45

All: 0.000+/-0.000 χ^2/NDF: 16980181.7/86

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.094+/-636.730 χ^2/NDF: 14.4/17

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2151.466+/-609.010 χ^2/NDF: 20.6/20

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

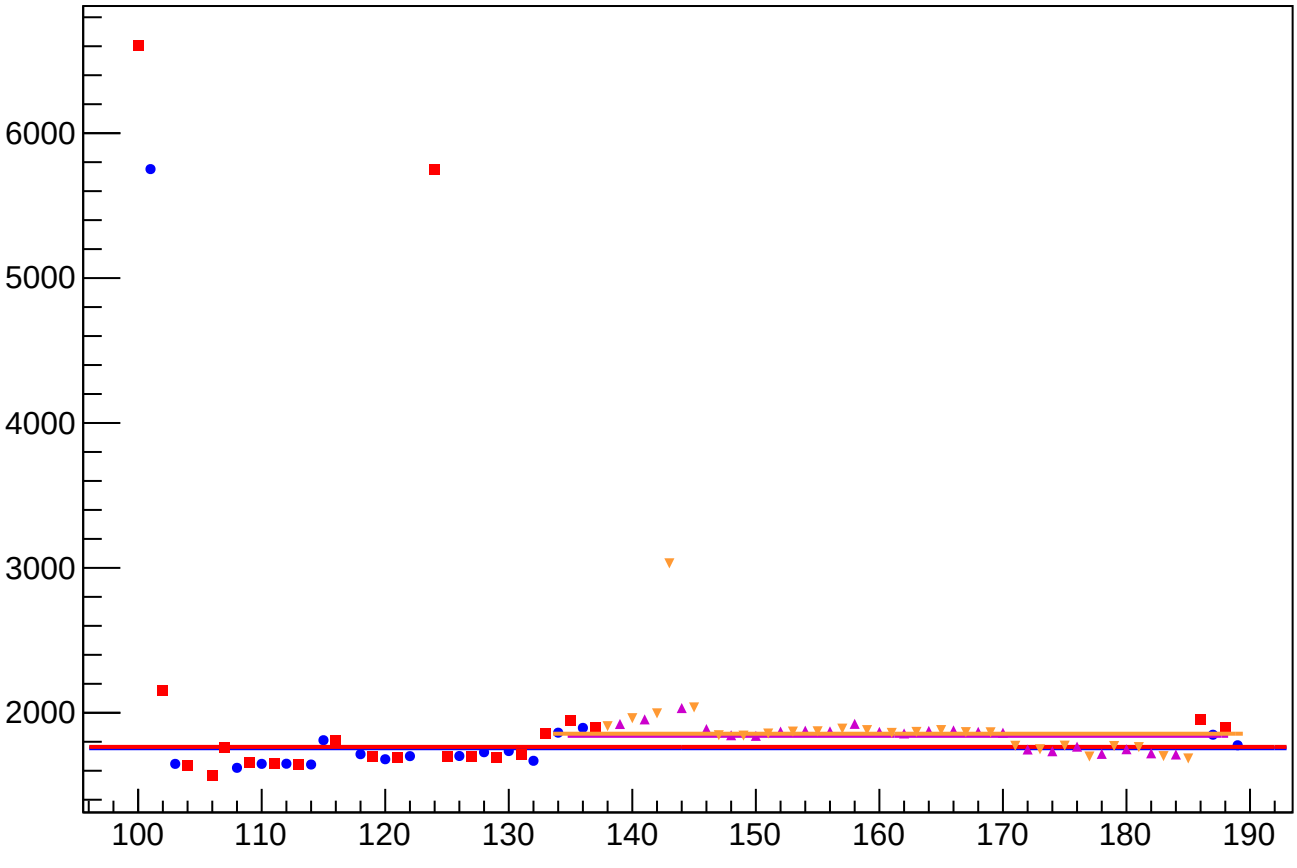
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2067.680+/-440.109 χ^2/NDF: 35.0/38

In: 2402.847+/-356.518 χ^2/NDF:35.1/40

Out: 1774.553+/-347.584 χ^2/NDF:52.4/45

All: 2080.730+/-248.878 χ^2/NDF: 89.1/86



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.7/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1764.692+/-0.428 χ^2/NDF: 324366.4/20

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

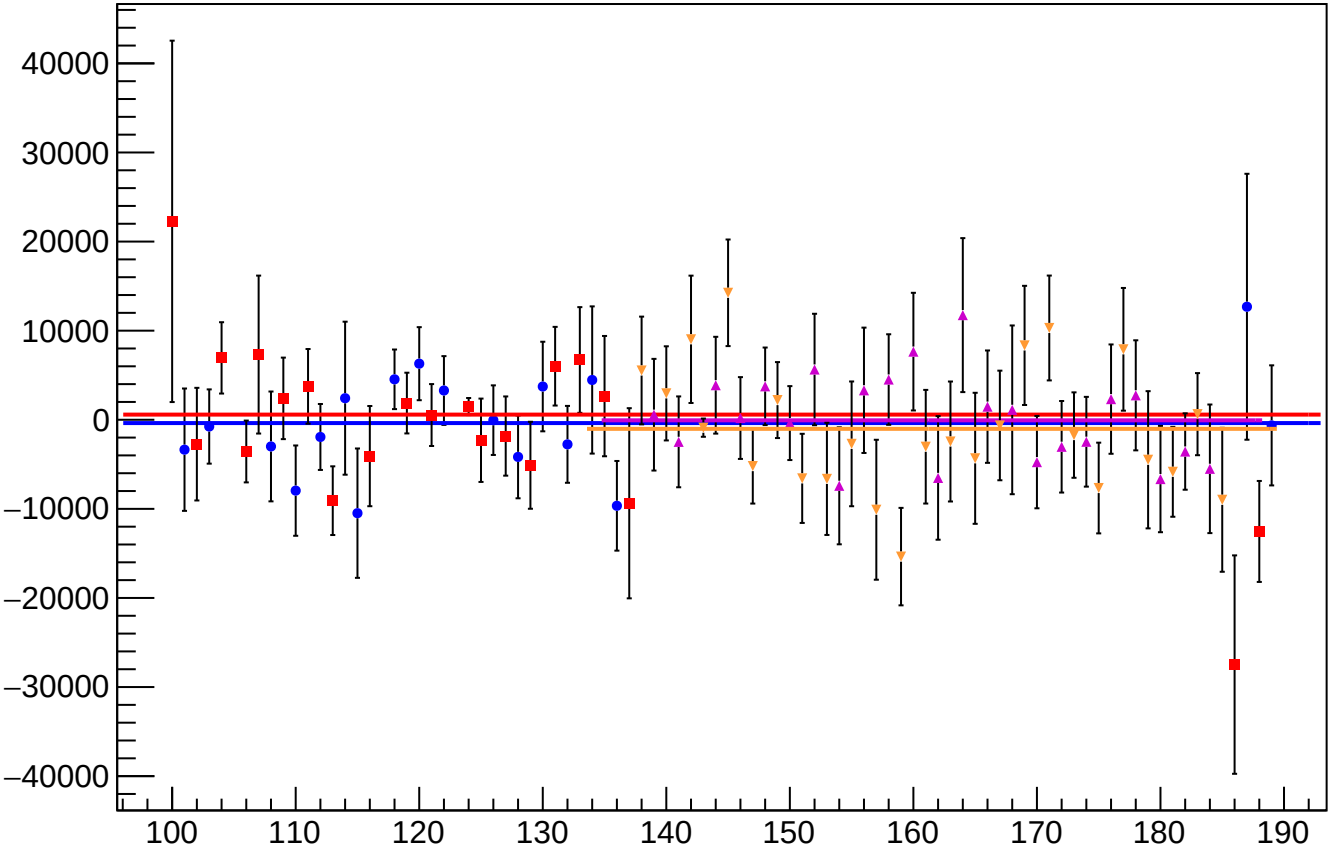
Right: 1760.296+/-0.310 χ^2/NDF: 996404.4/38

In: 1814.160+/-0.252 χ^2/NDF:767588.0/40

Out: 1825.706+/-0.245 χ^2/NDF:678913.3/45

All: 1820.091+/-0.176 χ^2/NDF: 1447578.9/86

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -371.270+/-1153.546 χ^2/NDF: 16.7/17

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 578.832+/-718.620 χ^2/NDF: 30.9/20

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

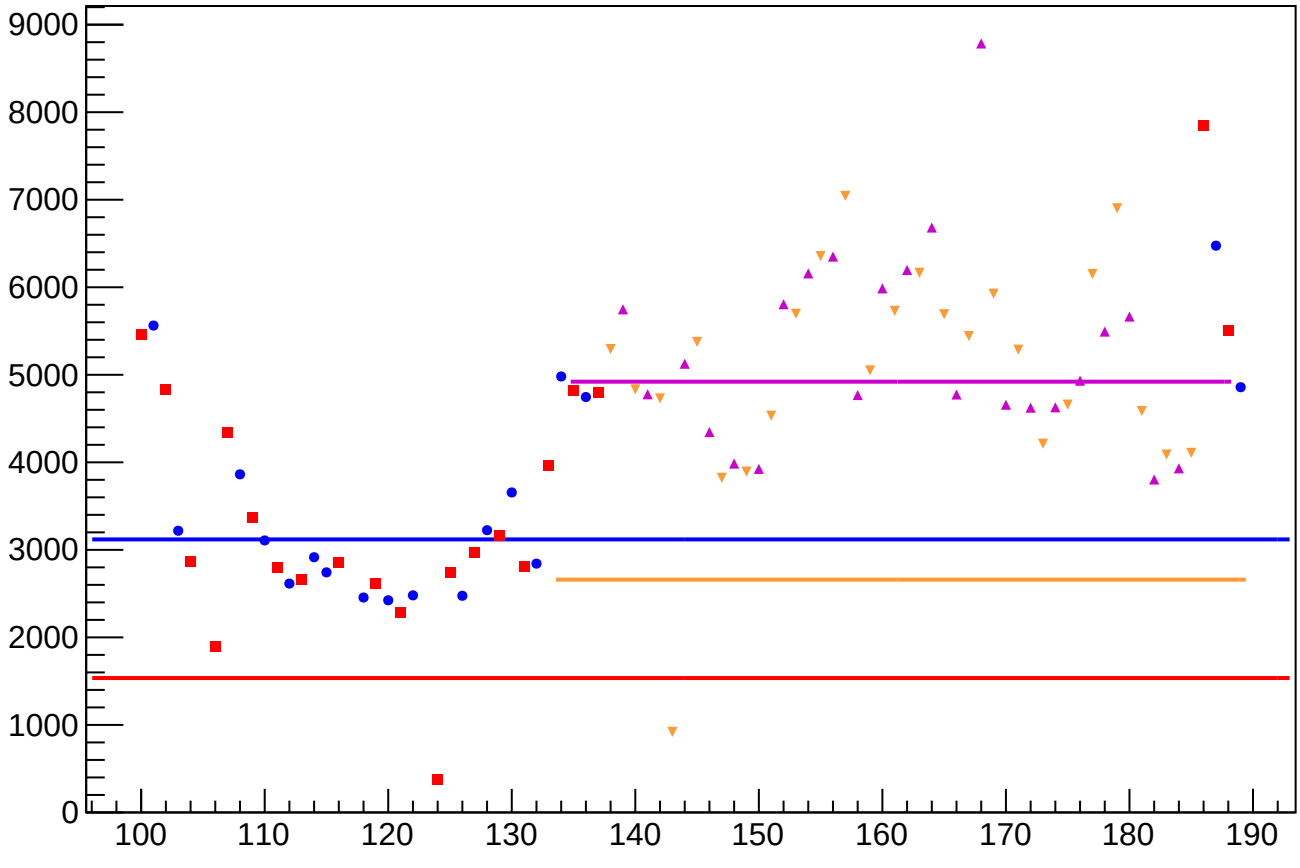
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: 313.198+/-609.946 χ^2/NDF: 48.0/38

In: -219.459+/-822.620 χ^2/NDF:29.8/40

Out: -163.063+/-525.943 χ^2/NDF:66.9/45

All: -179.427+/-443.117 χ^2/NDF: 96.7/86



Right In: 3119.510+/-0.816 χ^2/NDF: 1149486.9/17

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1535.687+/-0.508 χ^2/NDF: 8325922.4/20

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

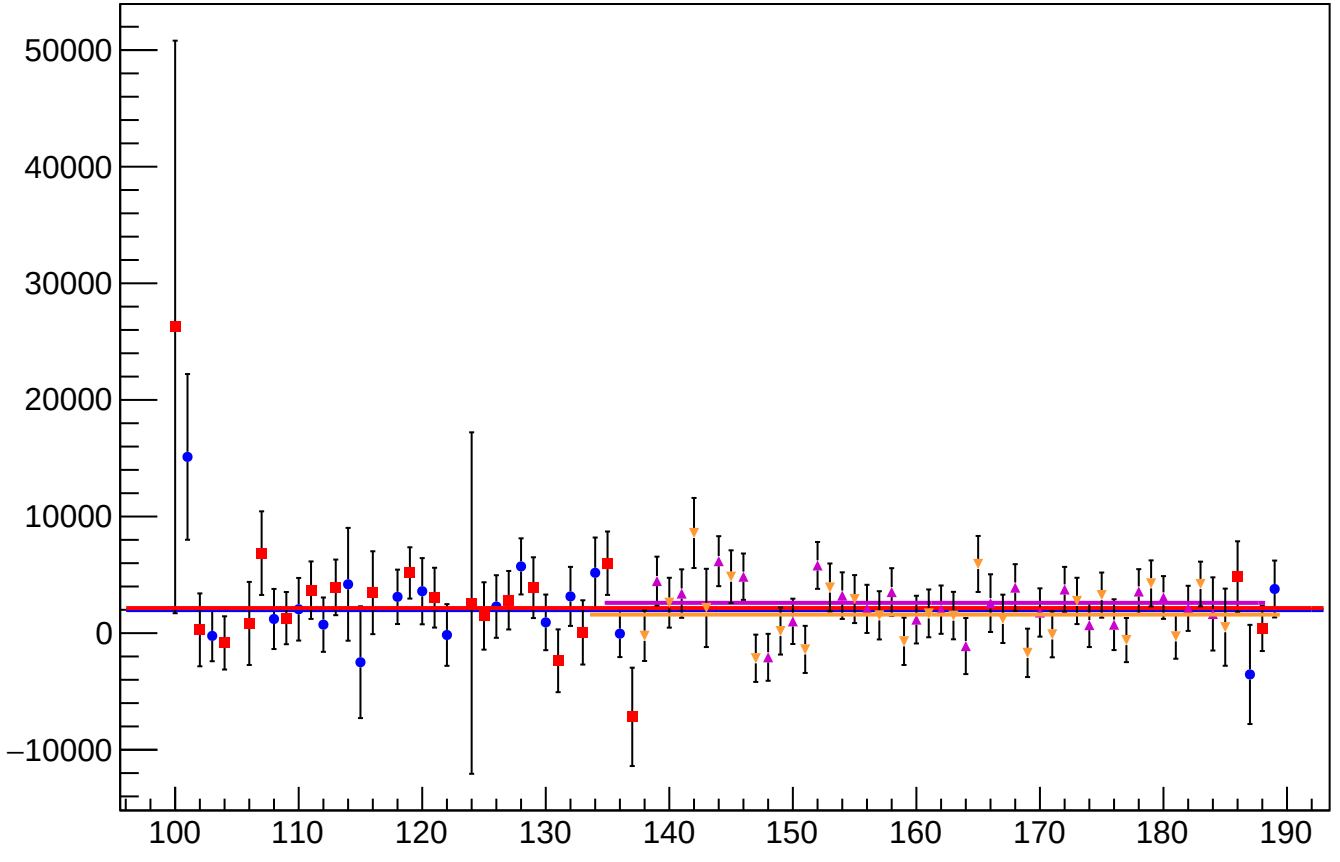
Right: 1978.499+/-0.431 χ^2/NDF: 12191575.0/38

In: 4005.019+/-0.582 χ^2/NDF:4798681.8/40

Out: 2057.771+/-0.372 χ^2/NDF:25135322.6/45

All: 2622.786+/-0.313 χ^2/NDF: 37888898.4/8

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.815+/-636.730 χ^2/NDF: 14.3/17

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2151.504+/-609.010 χ^2/NDF: 20.6/20

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

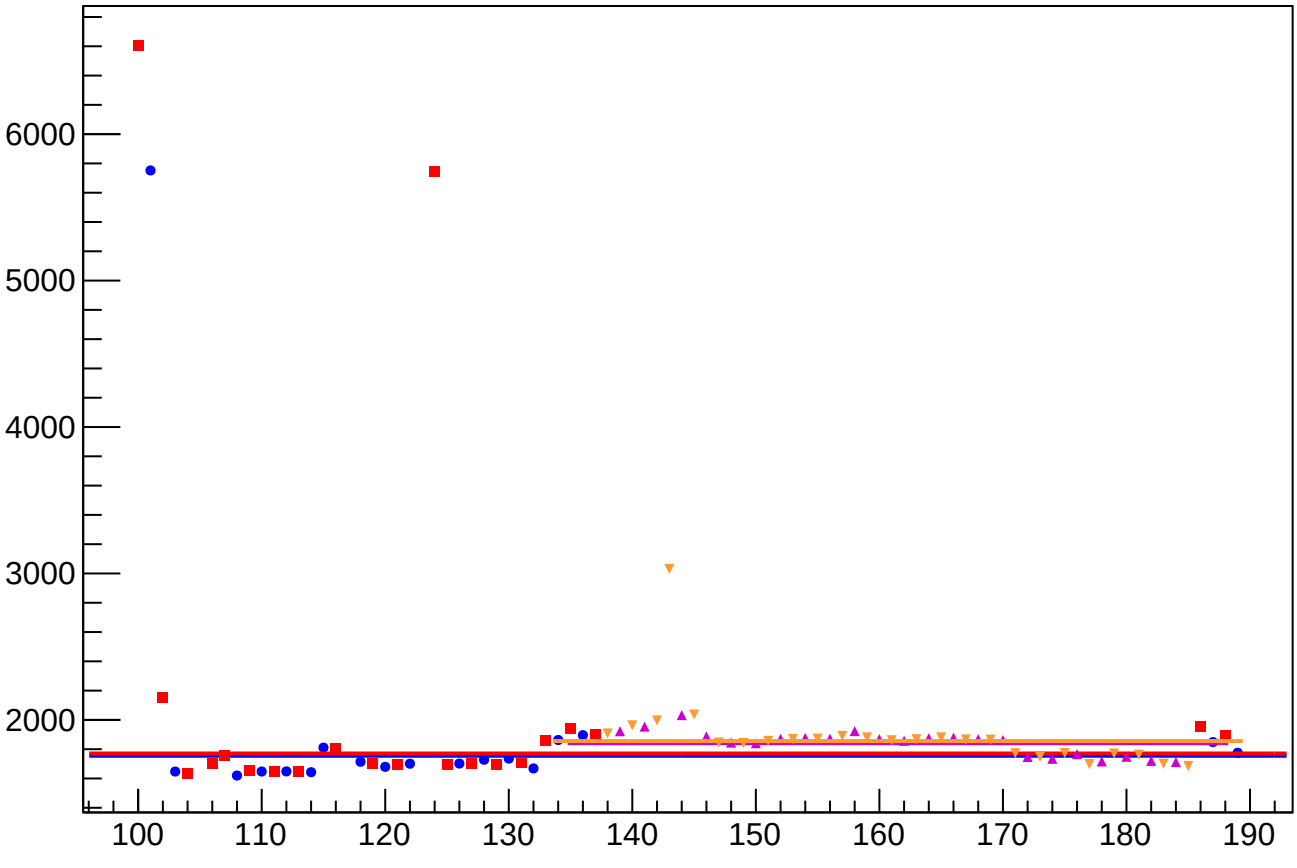
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2067.567+/-440.109 χ^2/NDF: 35.0/38

In: 2402.809+/-356.518 χ^2/NDF:35.1/40

Out: 1774.544+/-347.584 χ^2/NDF:52.4/45

All: 2080.706+/-248.878 χ^2/NDF: 89.1/86



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.9/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1770.645+/-0.429 χ^2/NDF: 316140.1/20

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

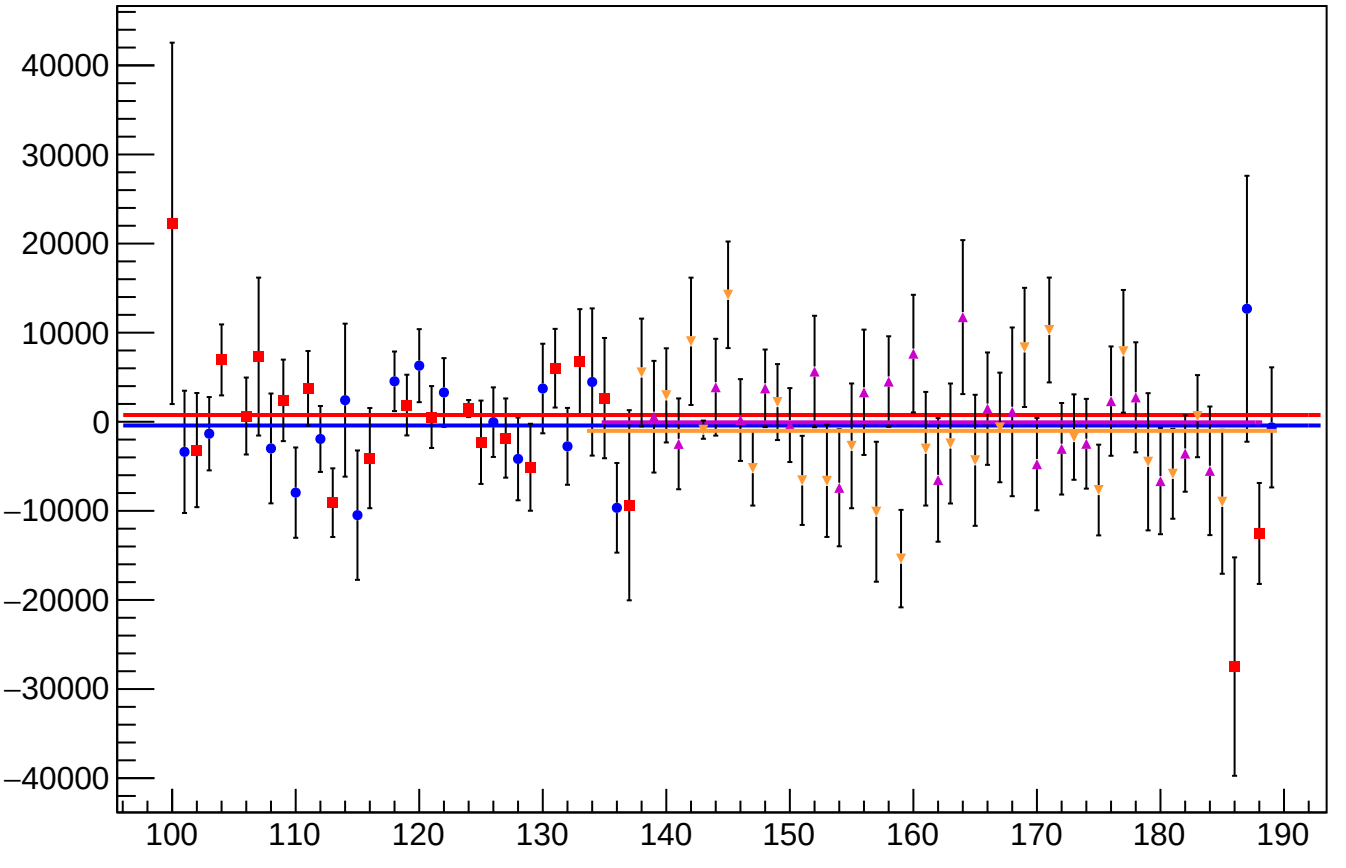
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1763.400+/-0.311 χ^2/NDF: 988554.3/38

In: 1814.160+/-0.252 χ^2/NDF:767588.3/40

Out: 1827.779+/-0.246 χ^2/NDF:666738.3/45

All: 1821.149+/-0.176 χ^2/NDF: 1435824.6/86



Right In: -418.335+/-1152.400 χ^2/NDF: 16.7/17

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 758.911+/-724.174 χ^2/NDF: 29.5/20

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

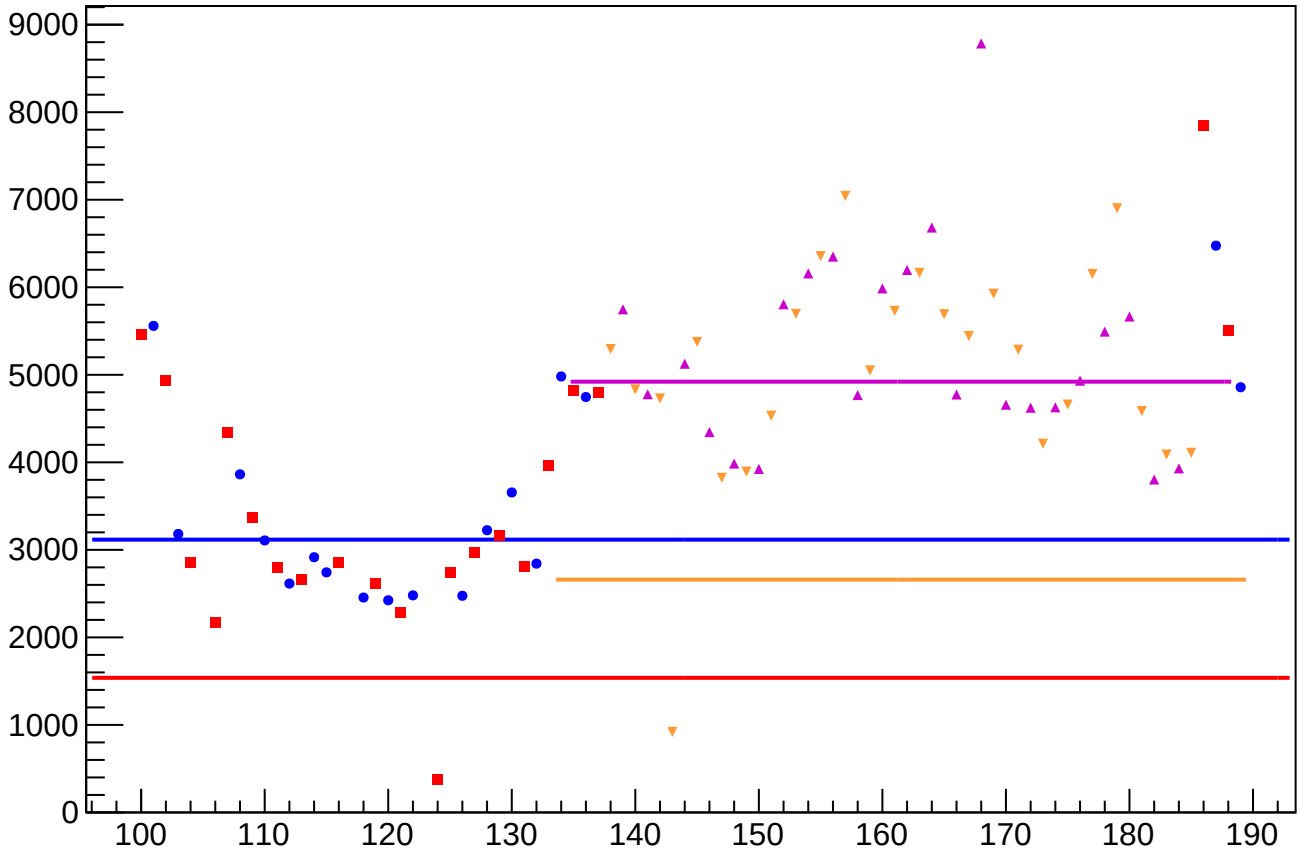
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 425.634+/-613.158 χ^2/NDF: 47.0/38

In: -243.529+/-822.204 χ^2/NDF:29.8/40

Out: -73.367+/-528.102 χ^2/NDF:66.0/45

All: -123.064+/-444.341 χ^2/NDF: 95.9/86



Right In: 3116.809+/-0.815 χ^2/NDF: 1148342.2/17

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1538.016+/-0.512 χ^2/NDF: 8363596.8/20

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

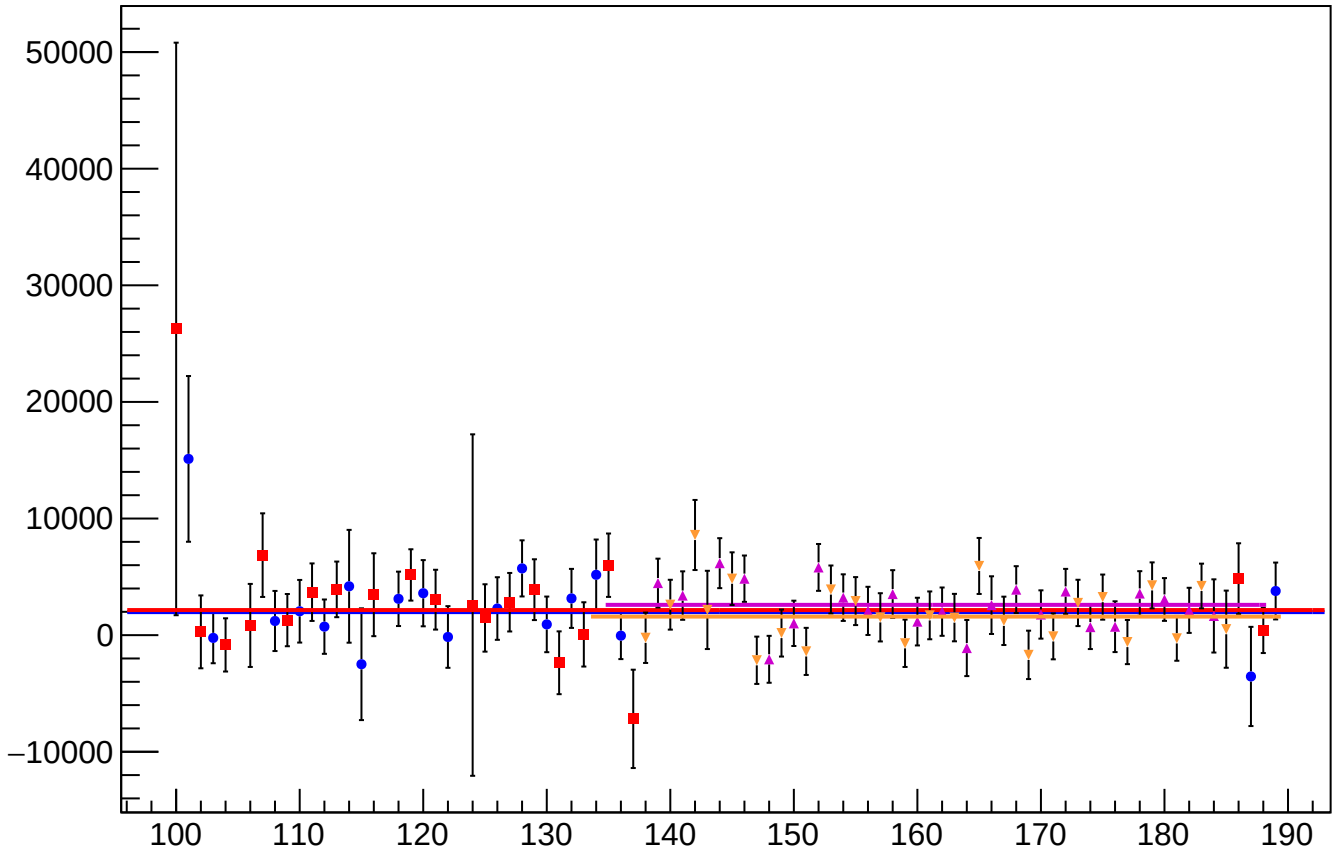
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1984.971+/-0.434 χ^2/NDF: 12203057.4/38

In: 4002.749+/-0.581 χ^2/NDF:4807081.5/40

Out: 2063.282+/-0.373 χ^2/NDF:25147776.9/45

All: 2629.724+/-0.314 χ^2/NDF: 37833139.8/8



Right In: 1975.815+/-636.730 χ^2/NDF: 14.3/17

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2151.504+/-609.010 χ^2/NDF: 20.6/20

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

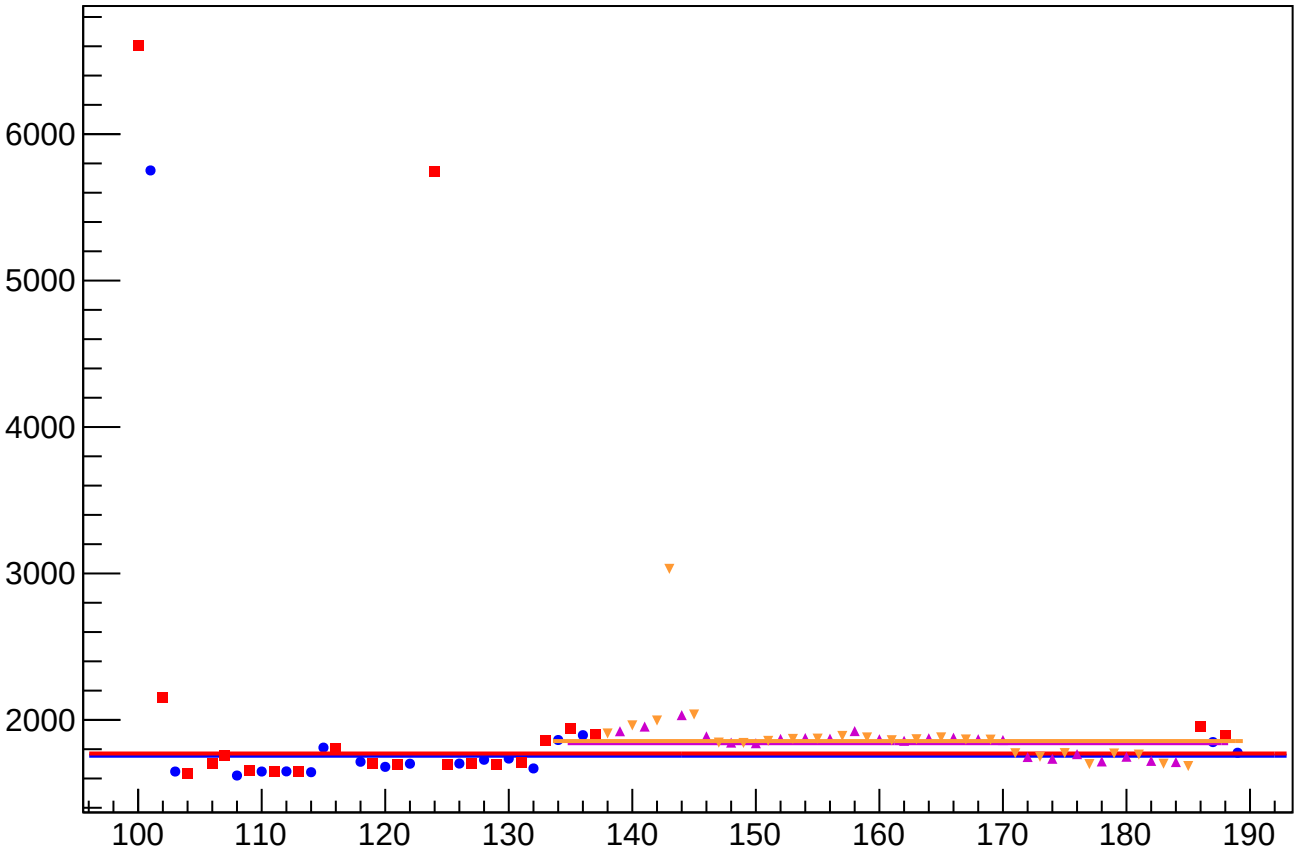
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2067.567+/-440.109 χ^2/NDF: 35.0/38

In: 2402.809+/-356.518 χ^2/NDF:35.1/40

Out: 1774.544+/-347.584 χ^2/NDF:52.4/45

All: 2080.706+/-248.878 χ^2/NDF: 89.1/86



Right In: 1755.429+/-0.450 χ^2/NDF: 671815.9/17

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1770.645+/-0.429 χ^2/NDF: 316140.1/20

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

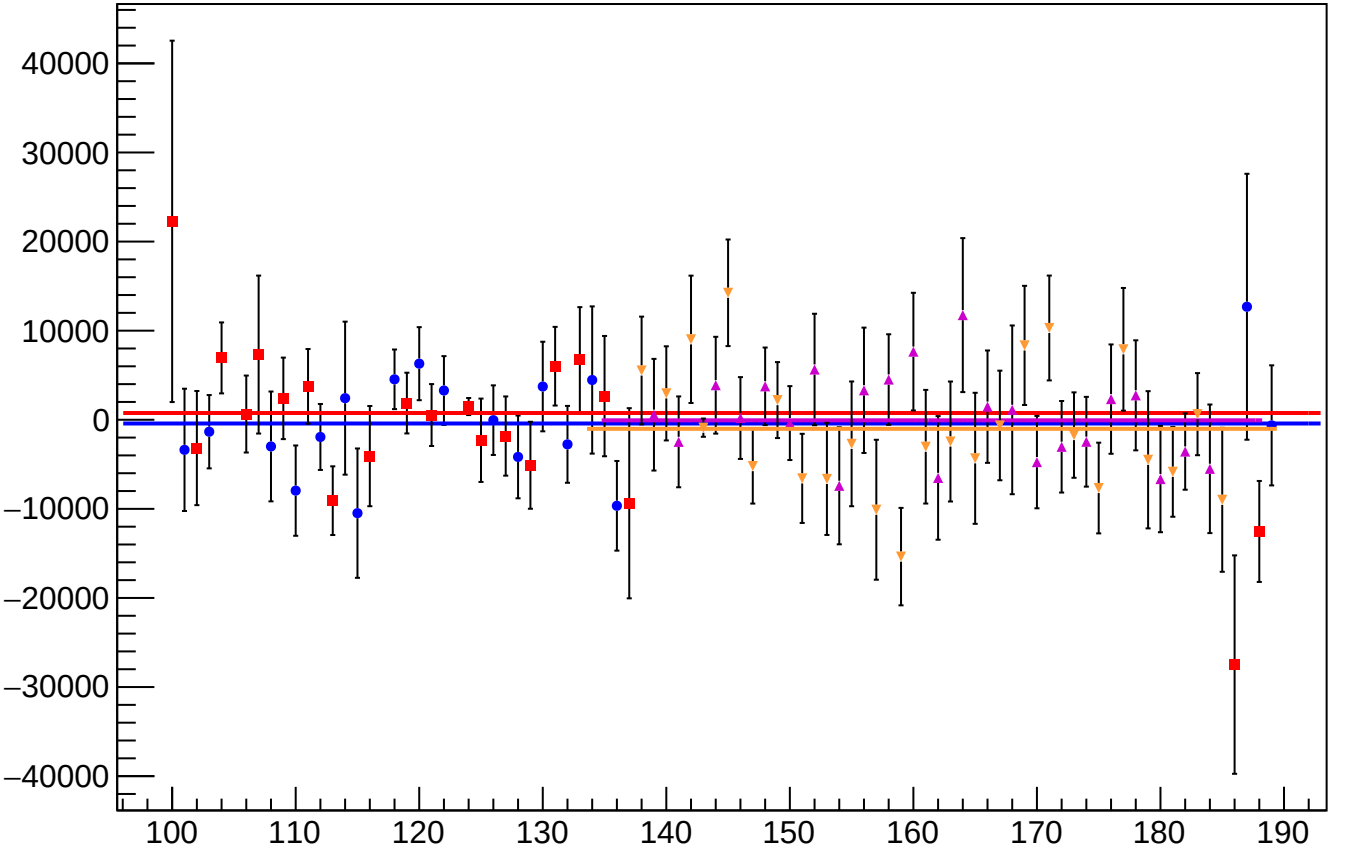
Right: 1763.400+/-0.311 χ^2/NDF: 988554.3/38

In: 1814.160+/-0.252 χ^2/NDF:767588.3/40

Out: 1827.779+/-0.246 χ^2/NDF:666738.3/45

All: 1821.149+/-0.176 χ^2/NDF: 1435824.6/86

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -418.335+/-1152.400 χ^2/NDF: 16.7/17

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 758.911+/-724.174 χ^2/NDF: 29.5/20

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

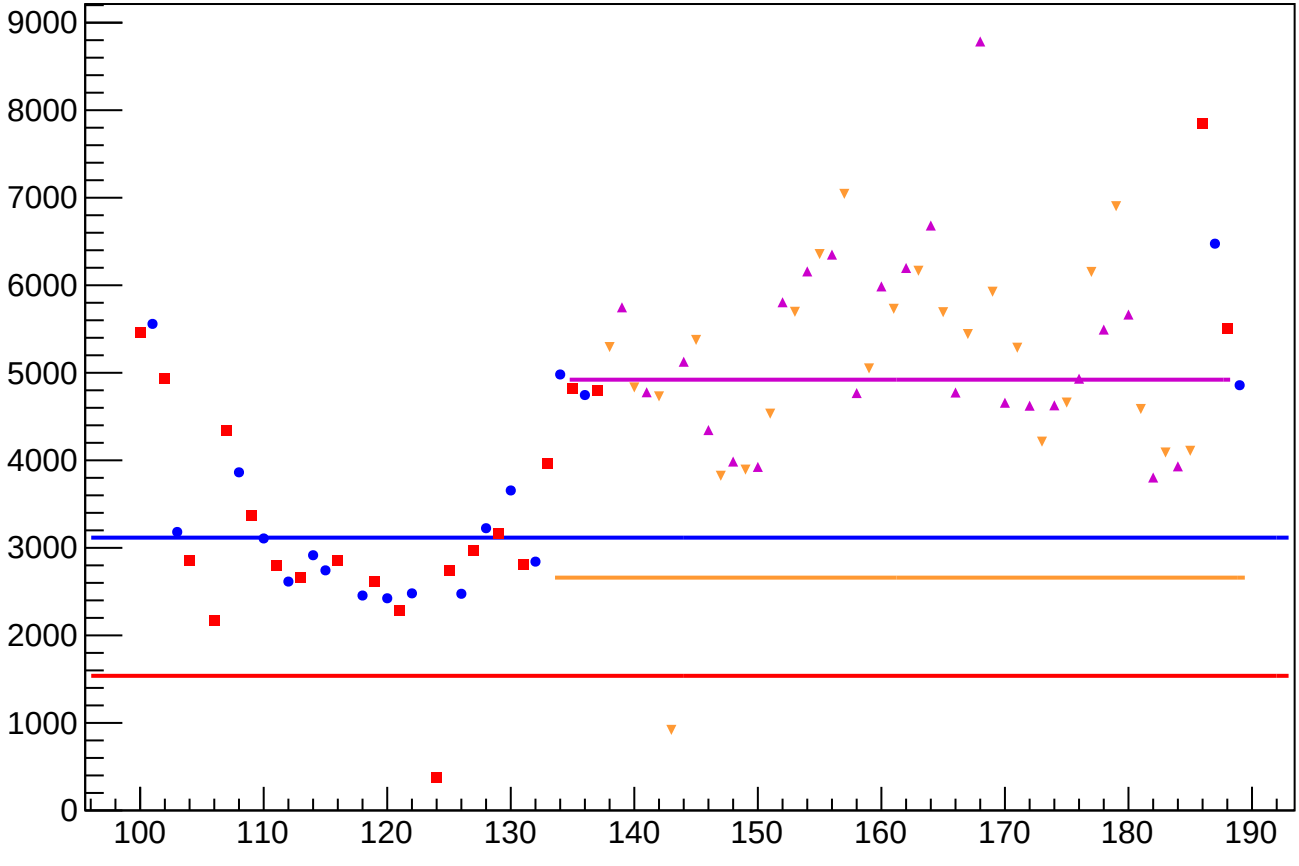
Right: 425.634+/-613.158 χ^2/NDF: 47.0/38

In: -243.529+/-822.204 χ^2/NDF:29.8/40

Out: -73.367+/-528.102 χ^2/NDF:66.0/45

All: -123.064+/-444.341 χ^2/NDF: 95.9/86

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3116.809+/-0.815 χ^2/NDF: 1148342.2/17

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1538.016+/-0.512 χ^2/NDF: 8363596.8/20

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

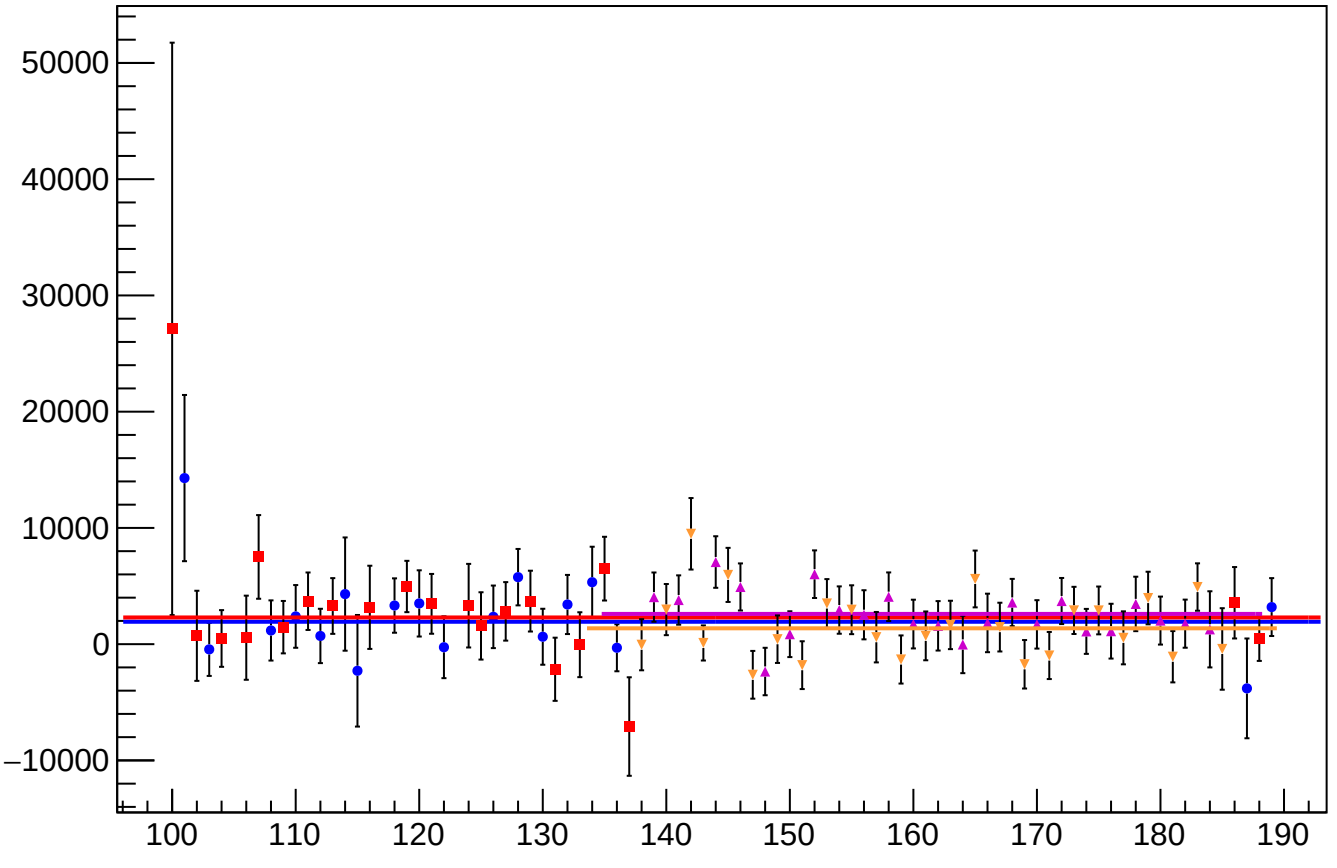
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 1984.971+/-0.434 χ^2/NDF: 12203057.4/38

In: 4002.749+/-0.581 χ^2/NDF:4807081.5/40

Out: 2063.282+/-0.373 χ^2/NDF:25147776.9/45

All: 2629.724+/-0.314 χ^2/NDF: 37833139.8/8



Right In: 1927.055+/-643.316 χ^2/NDF: 14.5/17

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2297.524+/-610.637 χ^2/NDF: 18.5/20

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

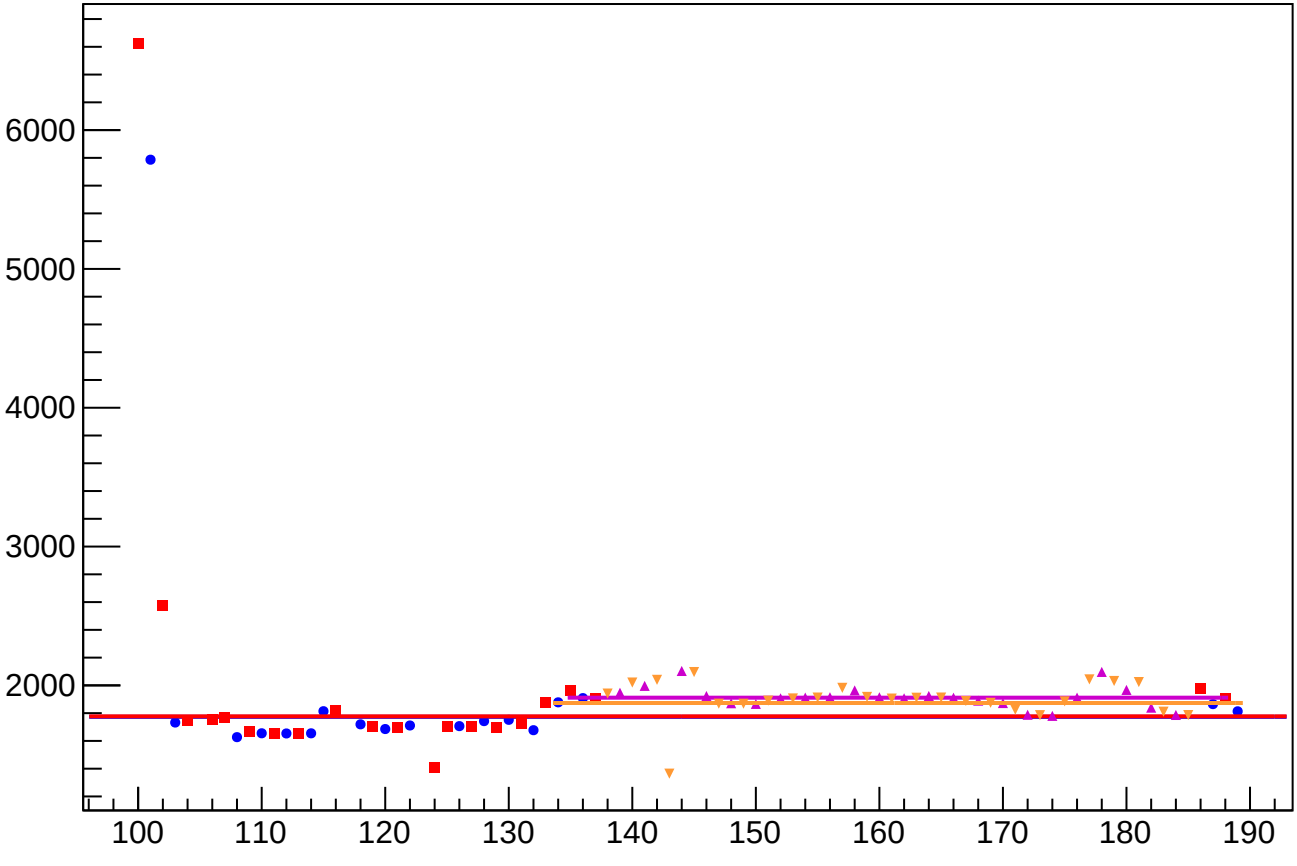
Right: 2121.937+/-442.888 χ^2/NDF: 33.2/38

In: 2382.973+/-366.942 χ^2/NDF:35.3/40

Out: 1670.812+/-350.115 χ^2/NDF:56.2/45

All: 2010.190+/-253.308 χ^2/NDF: 93.5/86

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1773.639+/-0.455 χ^2/NDF: 668898.9/17

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1776.962+/-0.431 χ^2/NDF: 238462.4/20

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

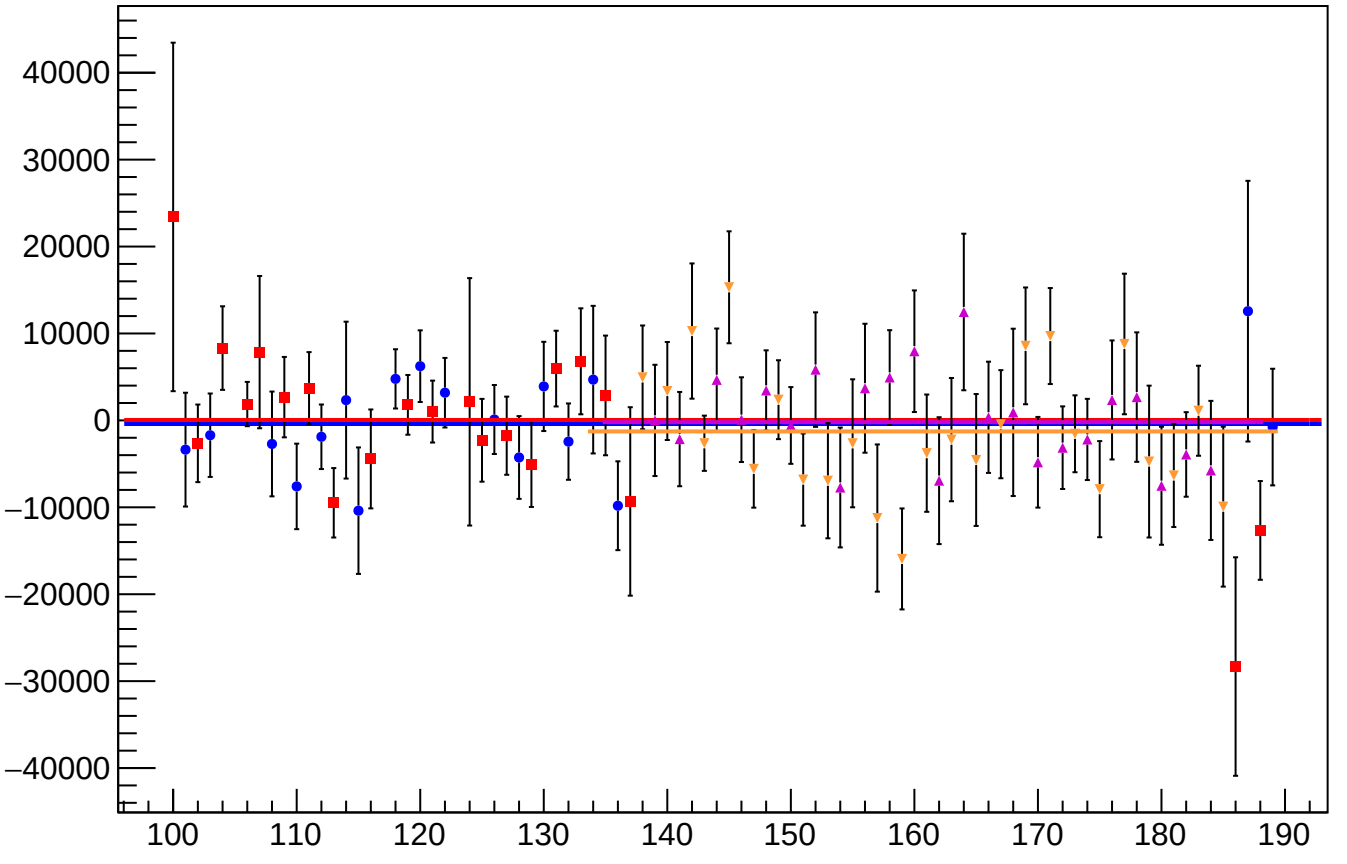
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1775.391+/-0.313 χ^2/NDF: 907389.4/38

In: 1866.596+/-0.259 χ^2/NDF:789935.2/40

Out: 1841.450+/-0.247 χ^2/NDF:581629.3/45

All: 1853.424+/-0.179 χ^2/NDF: 1376484.4/86



Right In: -416.449+/-1176.197 χ^2/NDF: 16.5/17

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 47.527+/-1047.348 χ^2/NDF: 29.3/20

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

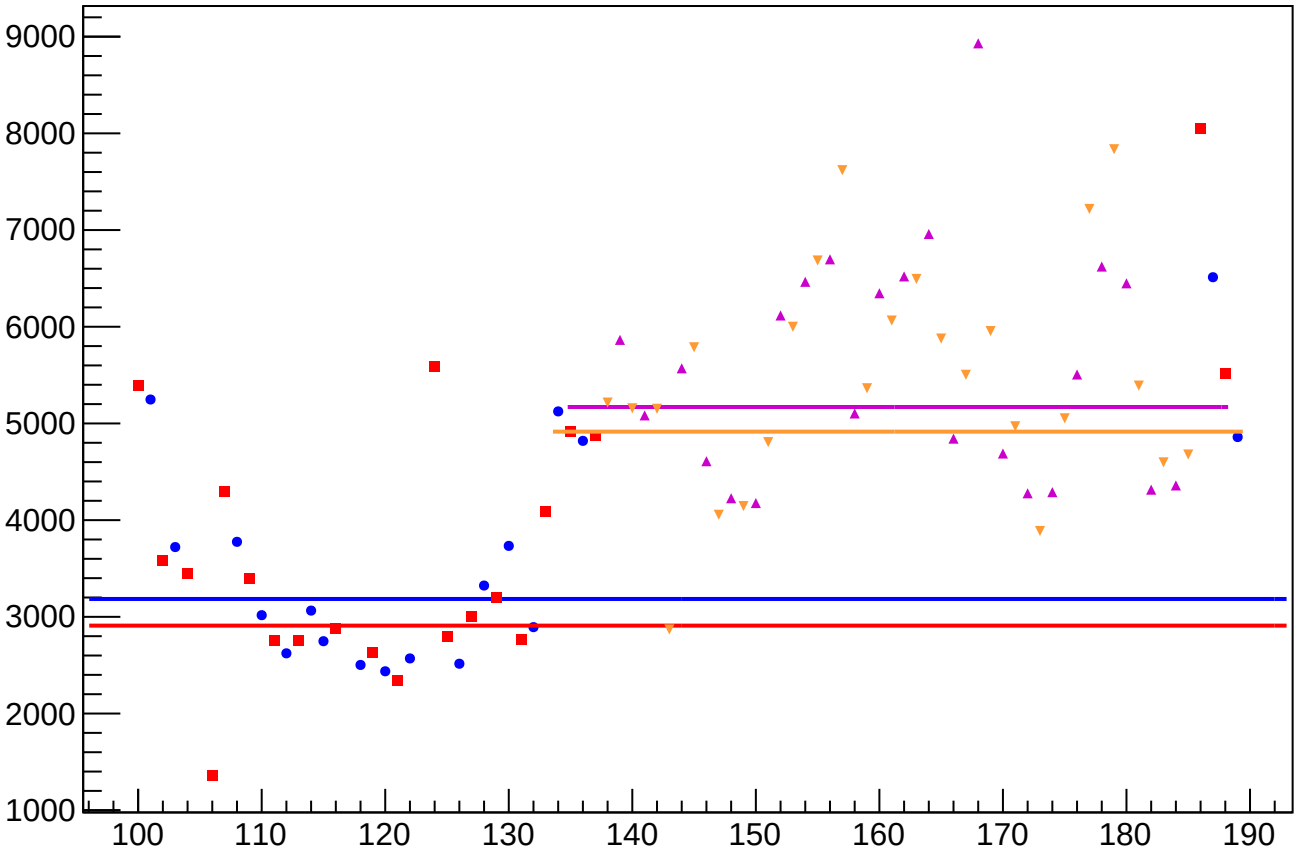
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -157.665+/-782.190 χ^2/NDF: 45.9/38

In: -311.993+/-851.575 χ^2/NDF:29.2/40

Out: -546.241+/-776.204 χ^2/NDF:63.4/45

All: -439.940+/-573.658 χ^2/NDF: 92.7/86



Right In: 3184.814+/-0.832 χ^2/NDF: 1114056.6/17

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2909.177+/-0.741 χ^2/NDF: 2132619.1/20

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

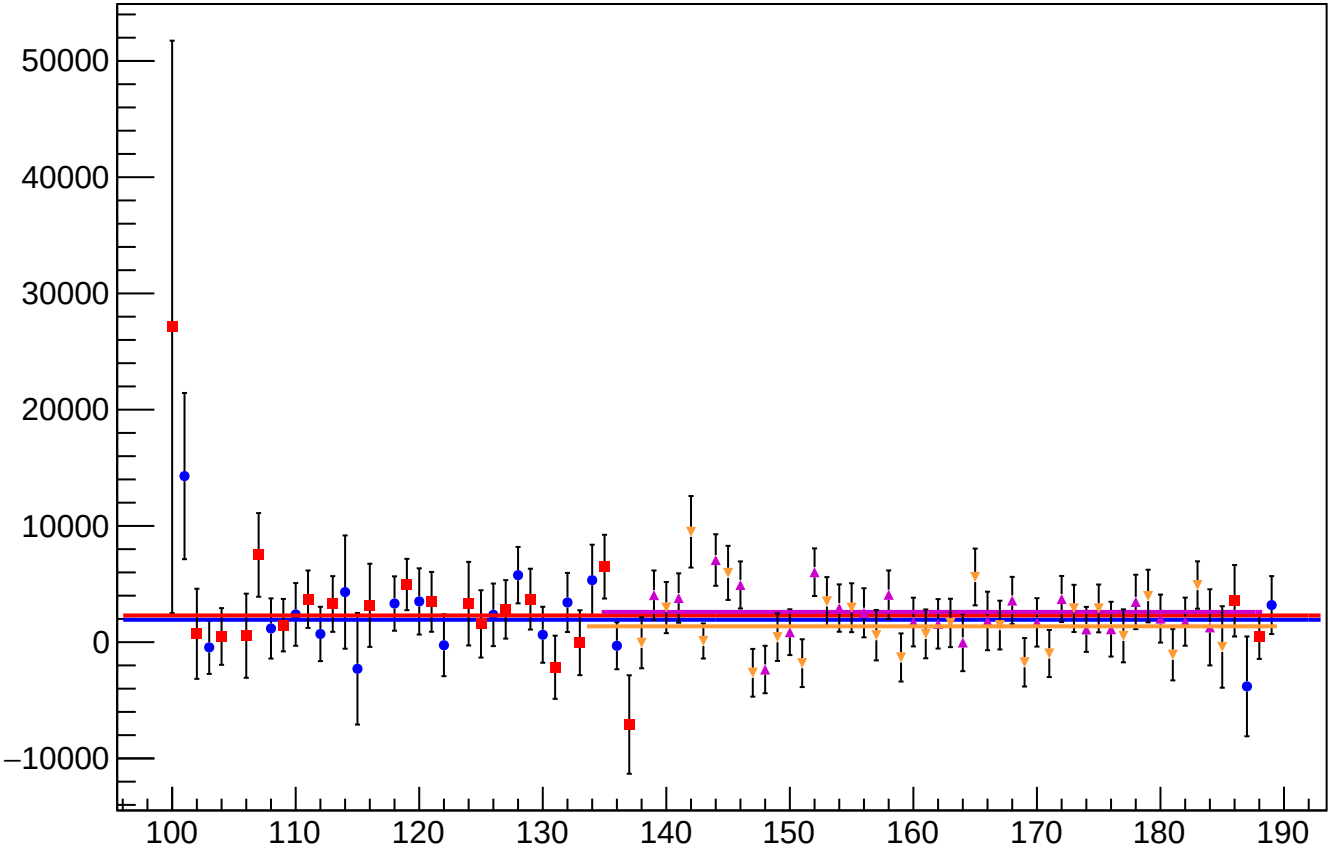
Right: 3031.077+/-0.553 χ^2/NDF: 3307936.9/38

In: 4129.405+/-0.602 χ^2/NDF:5173716.9/40

Out: 3813.414+/-0.549 χ^2/NDF:7606160.7/45

All: 3956.810+/-0.406 χ^2/NDF: 12930292.0/8

eigen_dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1927.057+/-643.316 χ^2/NDF: 14.5/17

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2297.525+/-610.637 χ^2/NDF: 18.5/20

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

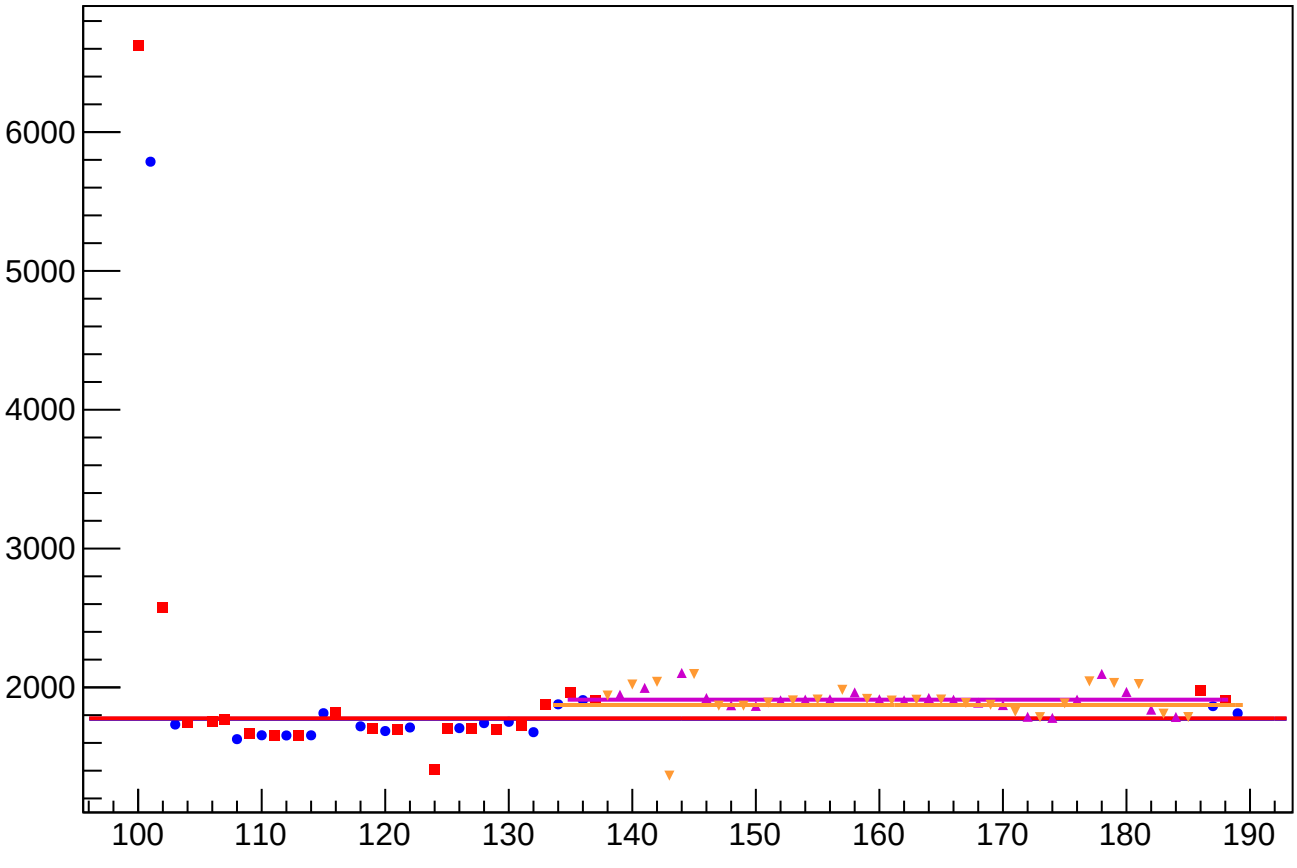
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2121.939+/-442.888 χ^2/NDF: 33.2/38

In: 2382.973+/-366.942 χ^2/NDF:35.3/40

Out: 1670.811+/-350.115 χ^2/NDF:56.2/45

All: 2010.189+/-253.309 χ^2/NDF: 93.5/86



Right In: 1773.639+/-0.455 χ^2/NDF: 668898.9/17

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1776.962+/-0.431 χ^2/NDF: 238462.3/20

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

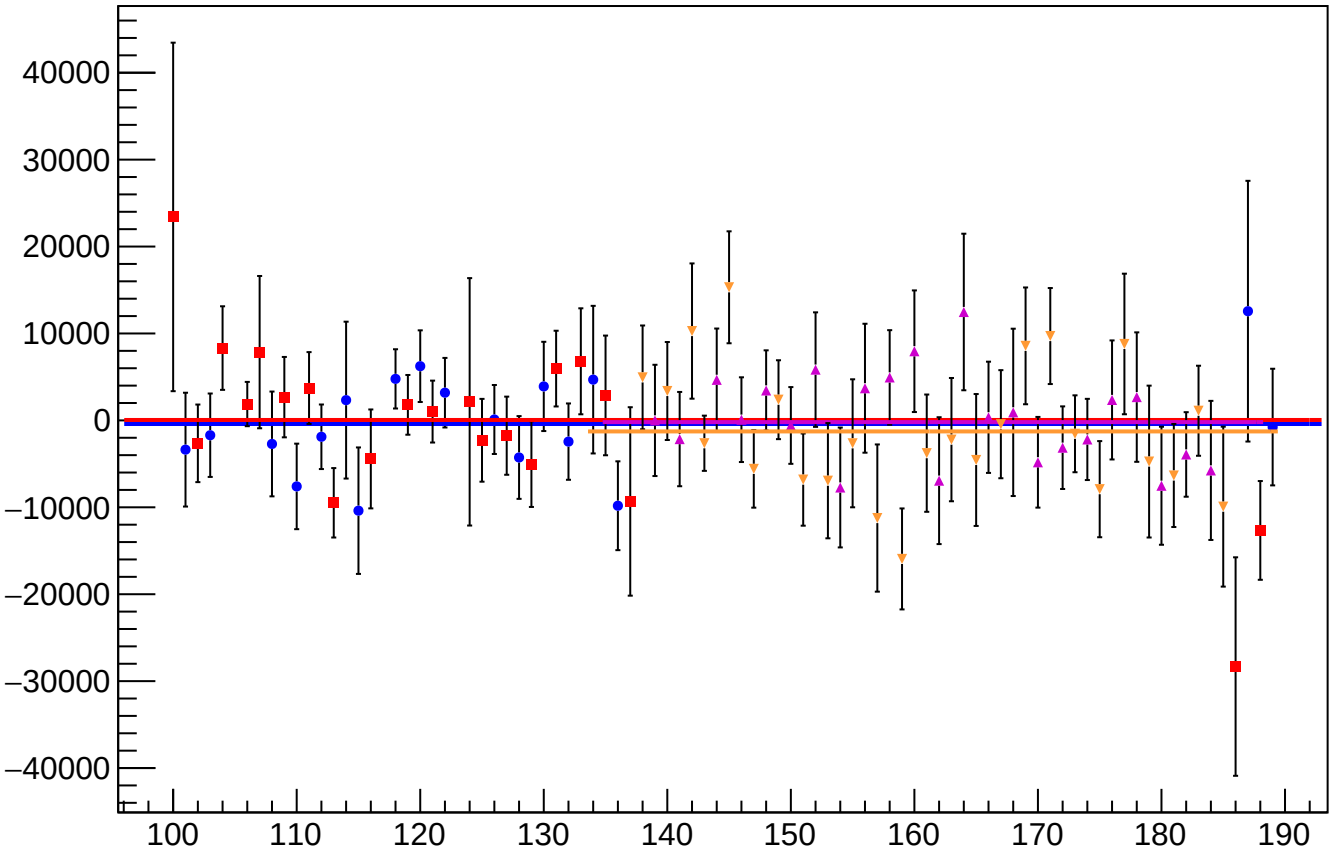
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1775.390+/-0.313 χ^2/NDF: 907389.3/38

In: 1866.596+/-0.259 χ^2/NDF:789938.4/40

Out: 1841.451+/-0.247 χ^2/NDF:581633.5/45

All: 1853.424+/-0.179 χ^2/NDF: 1376491.9/86



Right In: -416.444+/-1176.193 χ^2/NDF: 16.5/17

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 47.534+/-1047.344 χ^2/NDF: 29.3/20

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

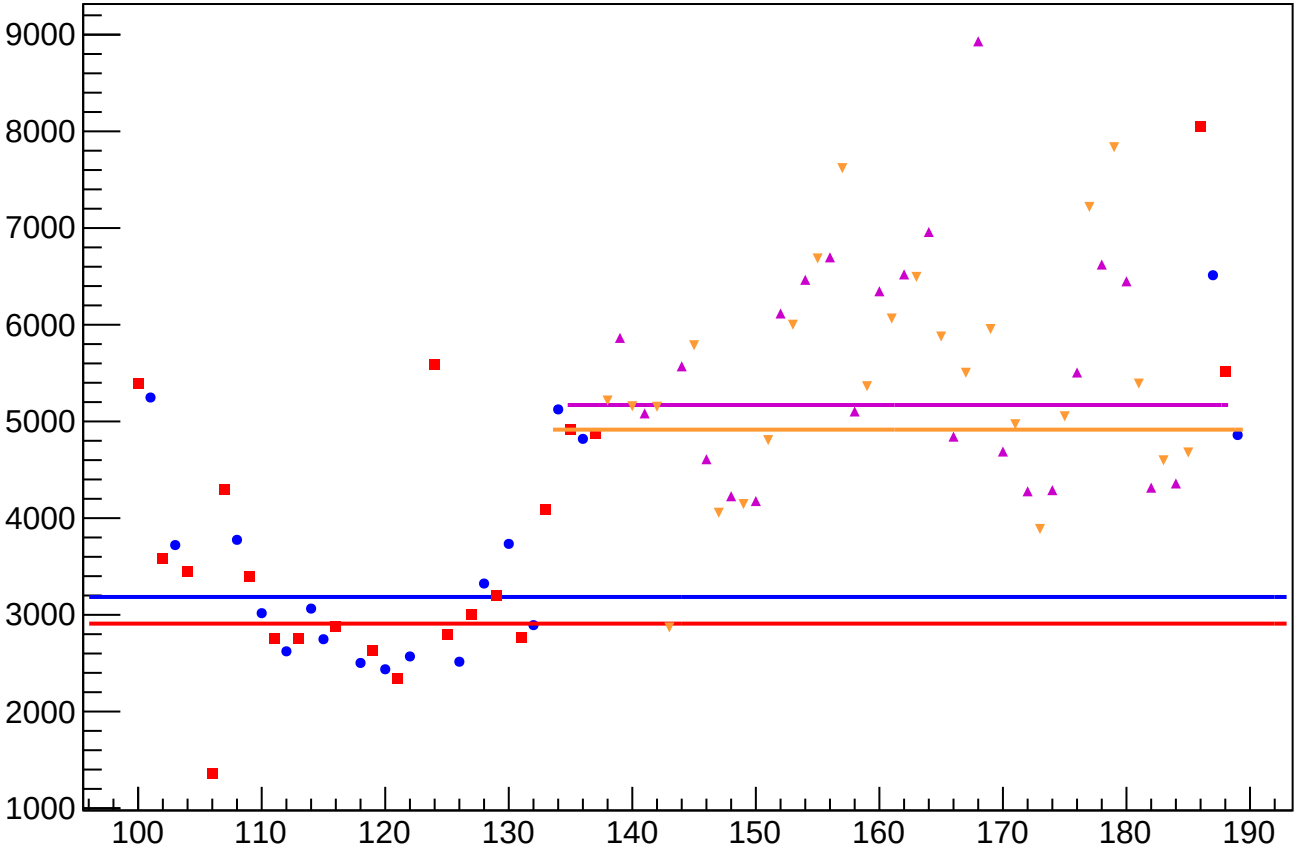
Right: -157.659+/-782.187 χ^2/NDF: 45.9/38

In: -311.991+/-851.574 χ^2/NDF:29.2/40

Out: -546.237+/-776.203 χ^2/NDF:63.4/45

All: -439.937+/-573.658 χ^2/NDF: 92.7/86

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3184.803+/-0.832 χ^2/NDF: 1114069.0/17

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2909.164+/-0.741 χ^2/NDF: 2132645.0/20

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

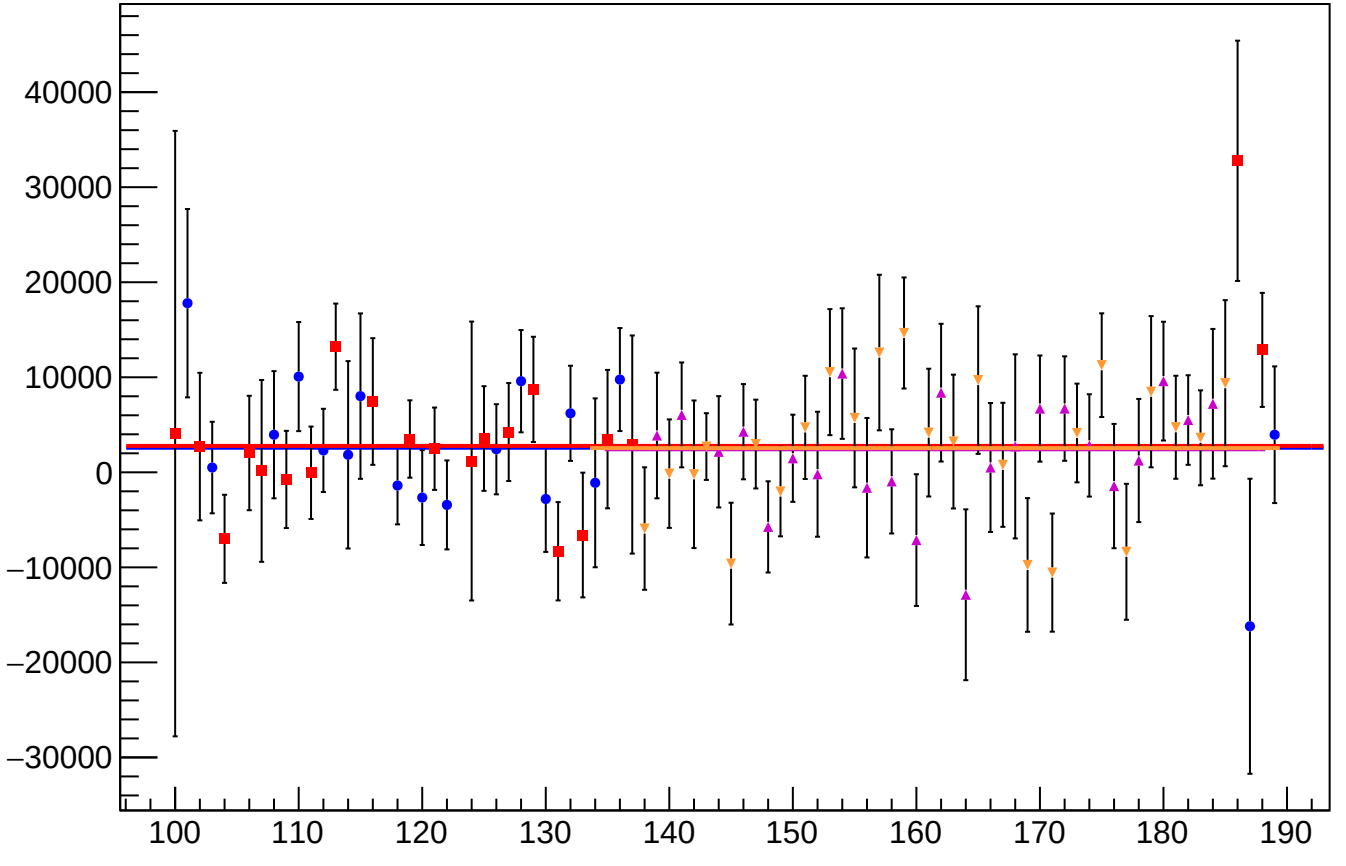
Right: 3031.064+/-0.553 χ^2/NDF: 3307976.6/38

In: 4129.399+/-0.602 χ^2/NDF:5173786.6/40

Out: 3813.405+/-0.549 χ^2/NDF:7606265.0/45

All: 3956.801+/-0.406 χ^2/NDF: 12930468.8/8

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2587.323+/-1350.049 χ^2/NDF: 15.0/17

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 2777.954+/-1294.415 χ^2/NDF: 27.5/20

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

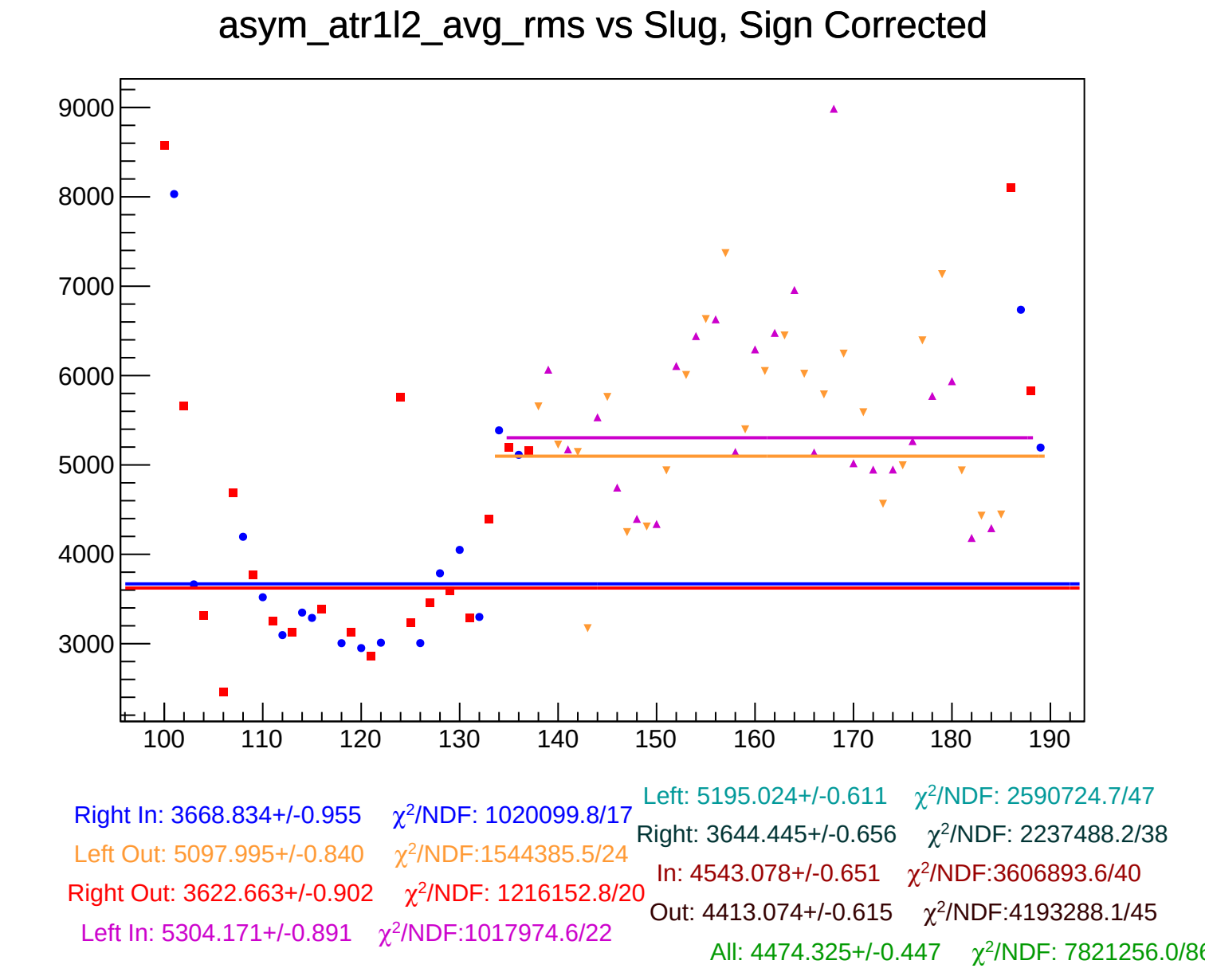
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

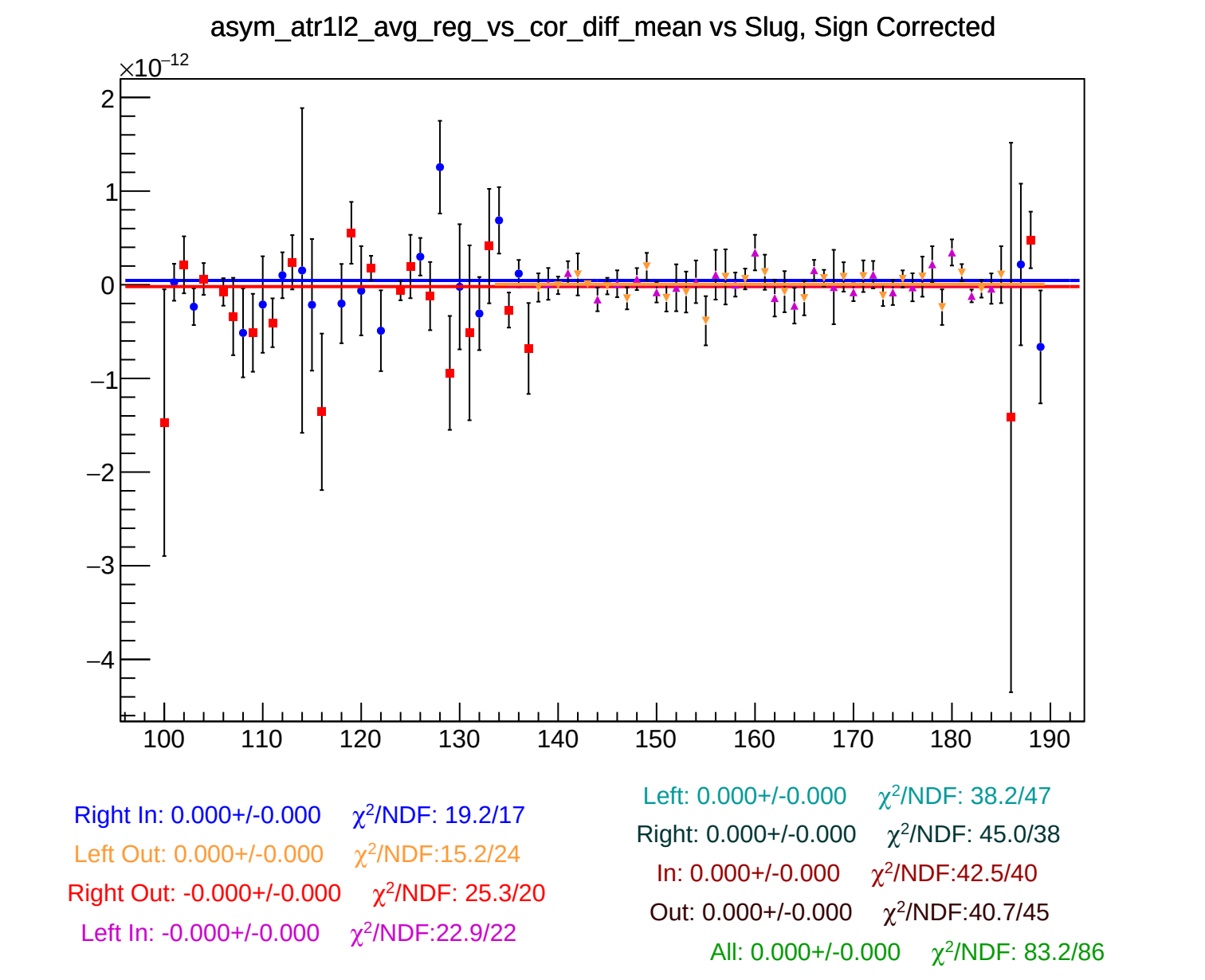
Right: 2686.647+/-934.339 χ^2/NDF: 42.5/38

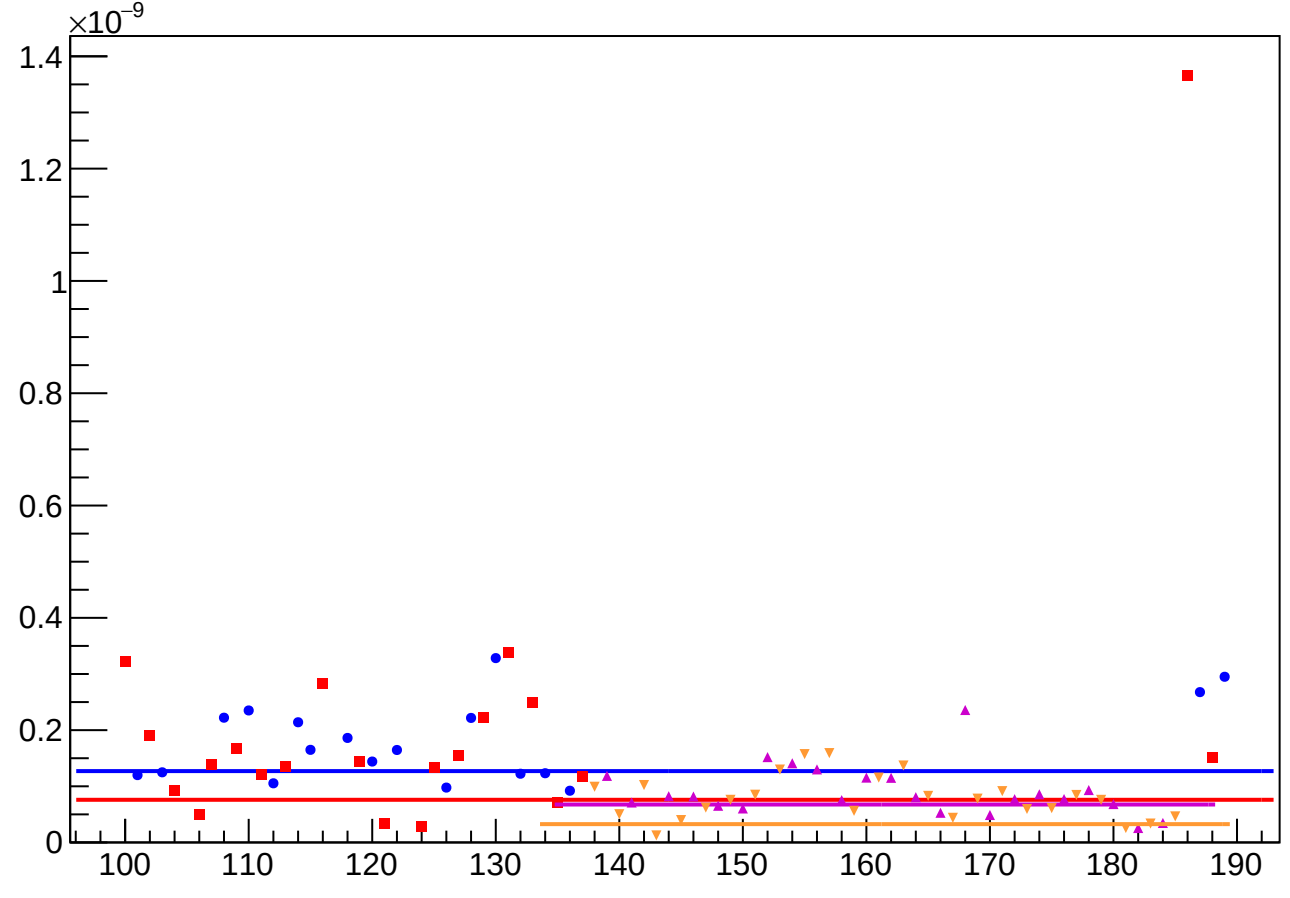
In: 2499.485+/-921.010 χ^2/NDF:30.0/40

Out: 2652.602+/-875.117 χ^2/NDF:56.6/45

All: 2579.953+/-634.405 χ^2/NDF: 86.6/86


asym_atr1l2_avg_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 3668.834+/-0.955 χ²/NDF: 1020099.8/17
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 3622.663+/-0.902 χ²/NDF: 1216152.8/20
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 3644.445+/-0.656 χ²/NDF: 2237488.2/38
In: 4543.078+/-0.651 χ²/NDF:3606893.6/40
Out: 4413.074+/-0.615 χ²/NDF:4193288.1/45
All: 4474.325+/-0.447 χ²/NDF: 7821256.0/86


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.2/17
Left Out: 0.000+/-0.000 χ²/NDF:15.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.3/20
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 38.2/47
Right: 0.000+/-0.000 χ²/NDF: 45.0/38
In: 0.000+/-0.000 χ²/NDF:42.5/40
Out: 0.000+/-0.000 χ²/NDF:40.7/45
All: 0.000+/-0.000 χ²/NDF: 83.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 875165.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2706575.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

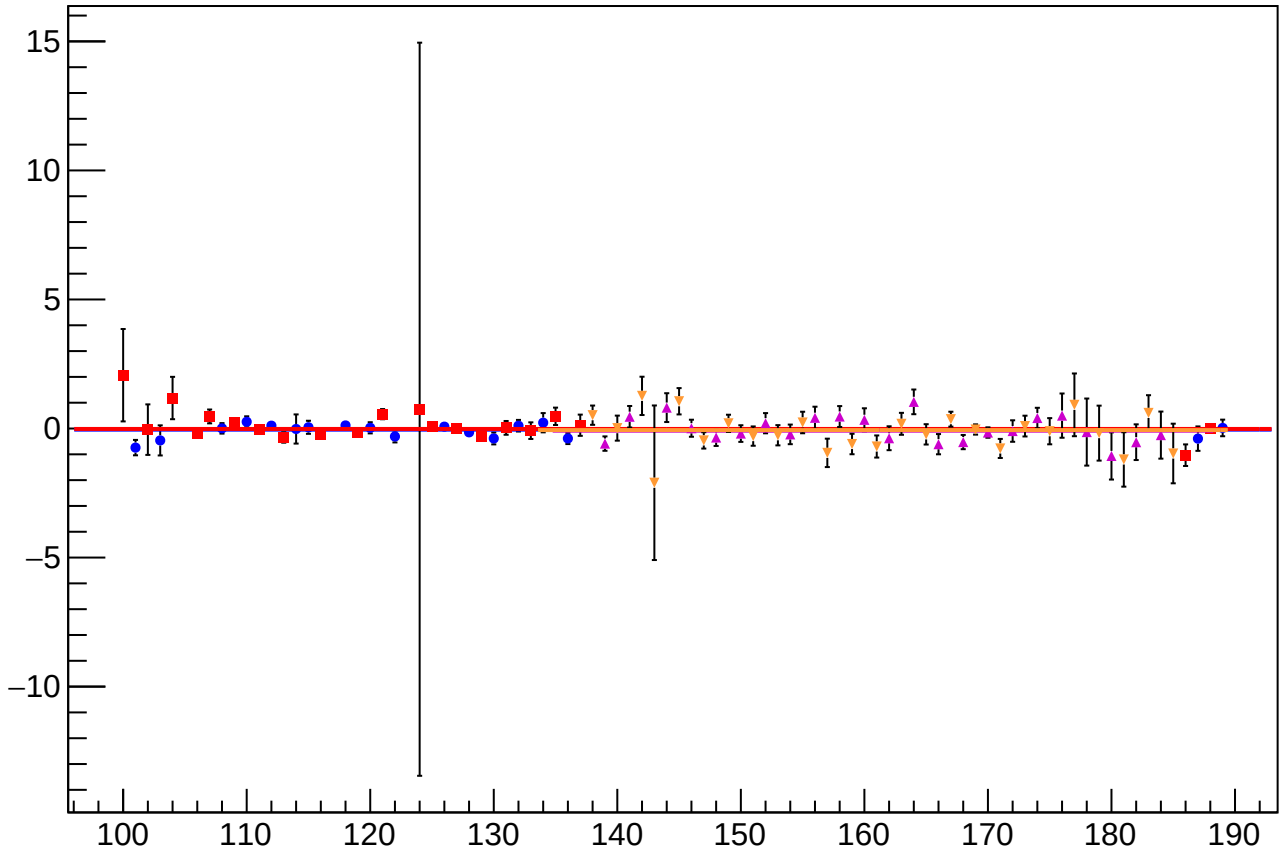
Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4235770.3/38

In: 0.000+/-0.000 χ^2/NDF:4495420.4/40

Out: 0.000+/-0.000 χ^2/NDF:10067210.5/45

All: 0.000+/-0.000 χ^2/NDF: 17646891.8/86



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

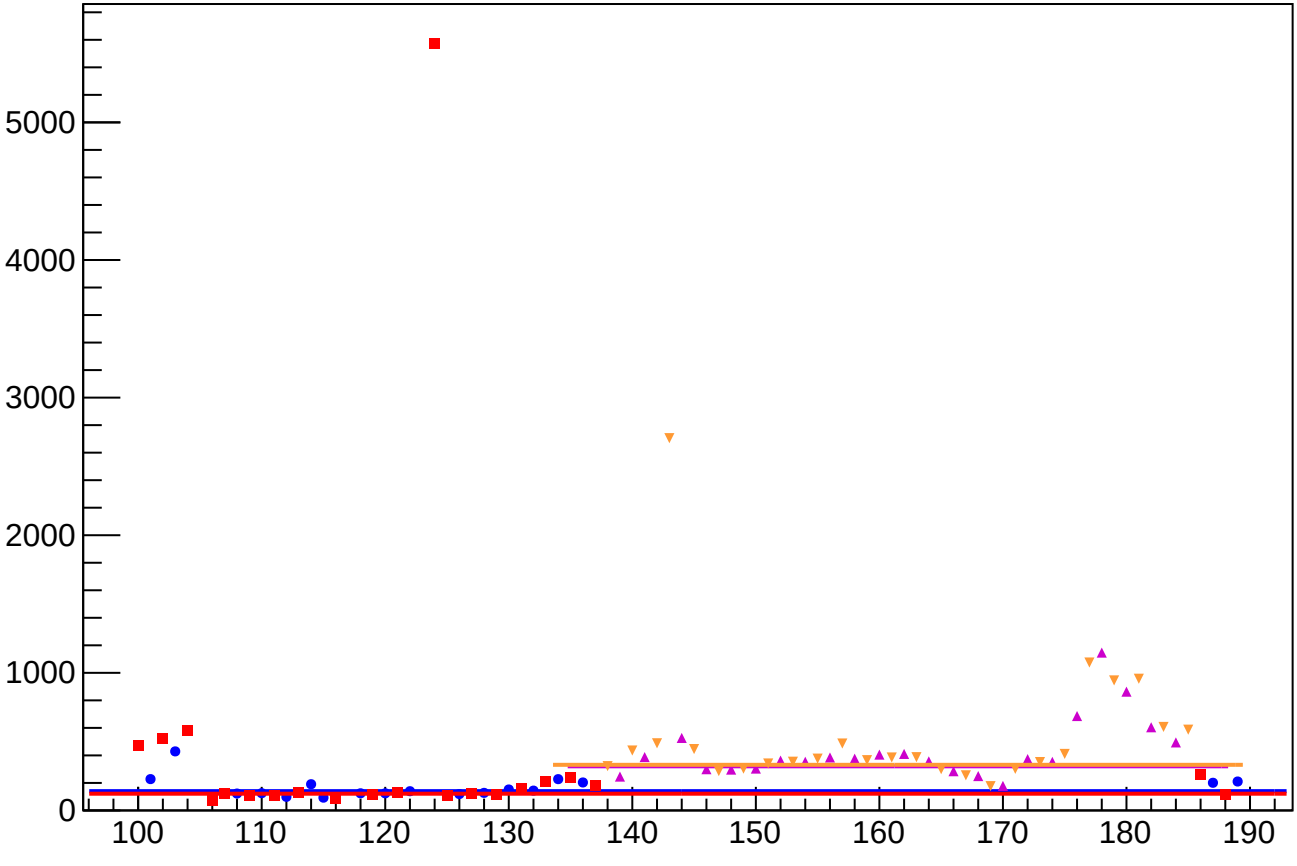
Right: -0.028+/-0.036 χ^2/NDF: 53.3/38

In: -0.055+/-0.045 χ^2/NDF:45.7/40

Out: -0.027+/-0.041 χ^2/NDF:65.7/45

All: -0.040+/-0.030 χ^2/NDF: 111.6/86

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.357+/-0.039 χ^2/NDF: 1401794.9/17

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 121.699+/-0.033 χ^2/NDF: 2371363.6/20

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

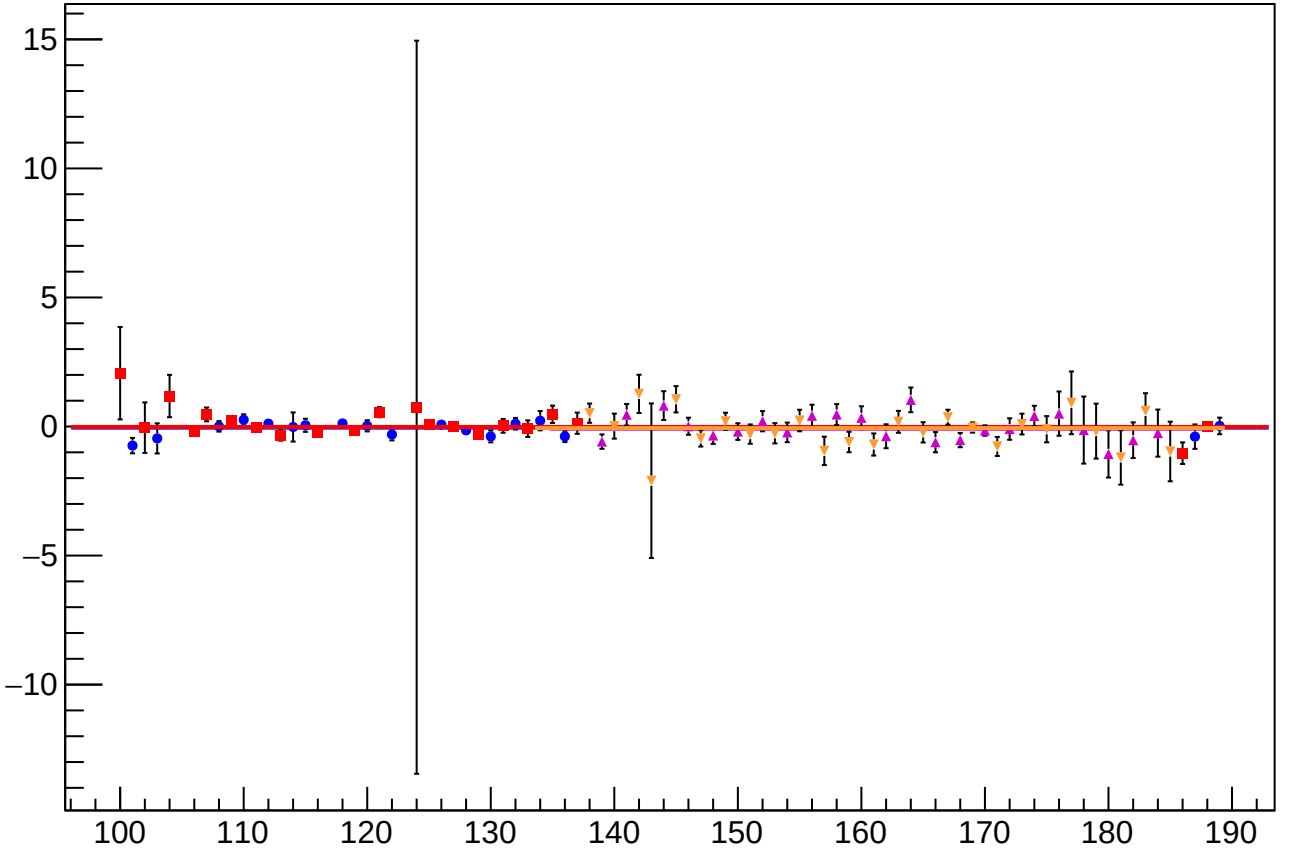
Right: 129.652+/-0.025 χ^2/NDF: 3907022.5/38

In: 196.617+/-0.032 χ^2/NDF:12451020.6/40

Out: 172.175+/-0.029 χ^2/NDF:17769825.4/45

All: 183.187+/-0.022 χ^2/NDF: 30540511.8/86

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

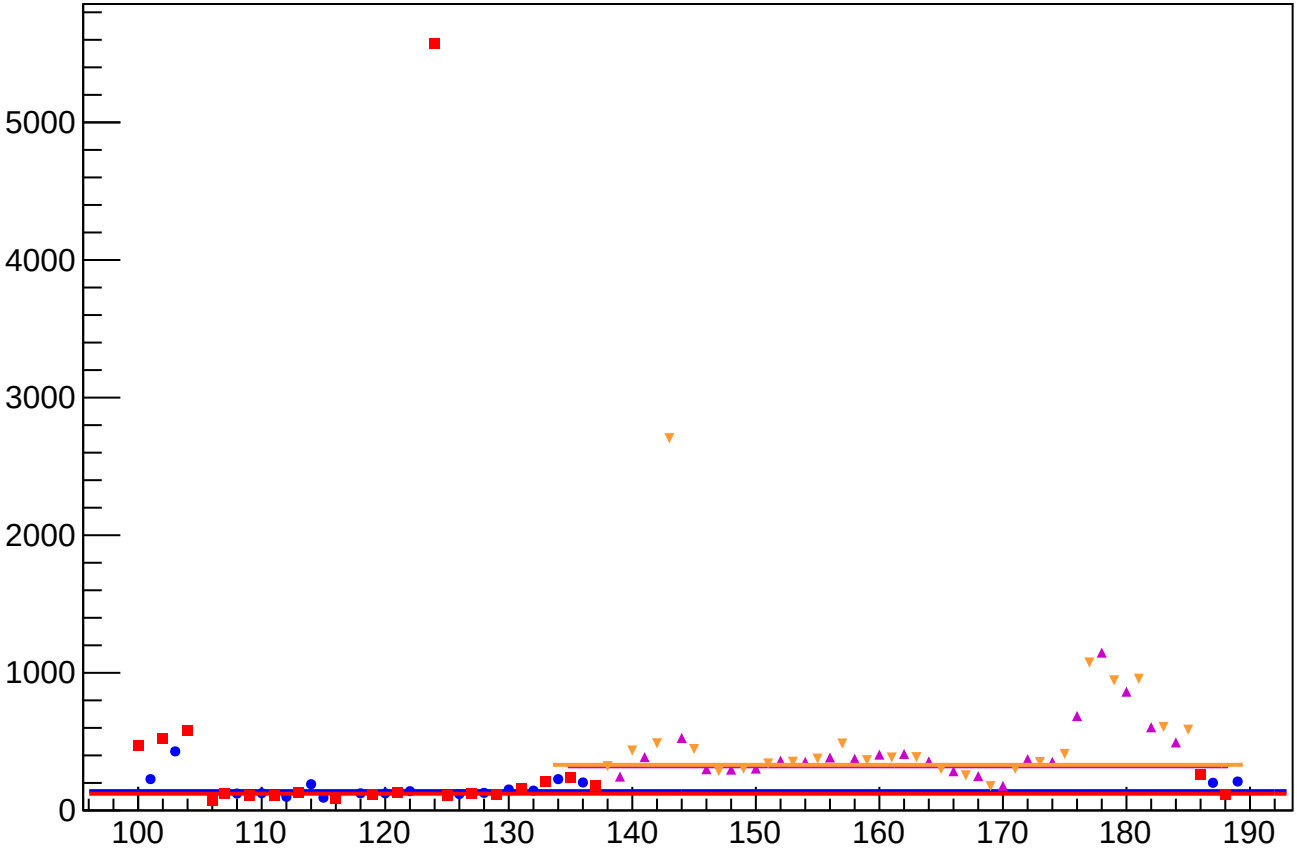
Right: -0.028+/-0.036 χ^2/NDF: 53.3/38

In: -0.055+/-0.045 χ^2/NDF:45.7/40

Out: -0.027+/-0.041 χ^2/NDF:65.7/45

All: -0.040+/-0.030 χ^2/NDF: 111.6/86

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.357+/-0.039 χ^2/NDF: 1401794.9/17

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 121.699+/-0.033 χ^2/NDF: 2371363.6/20

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

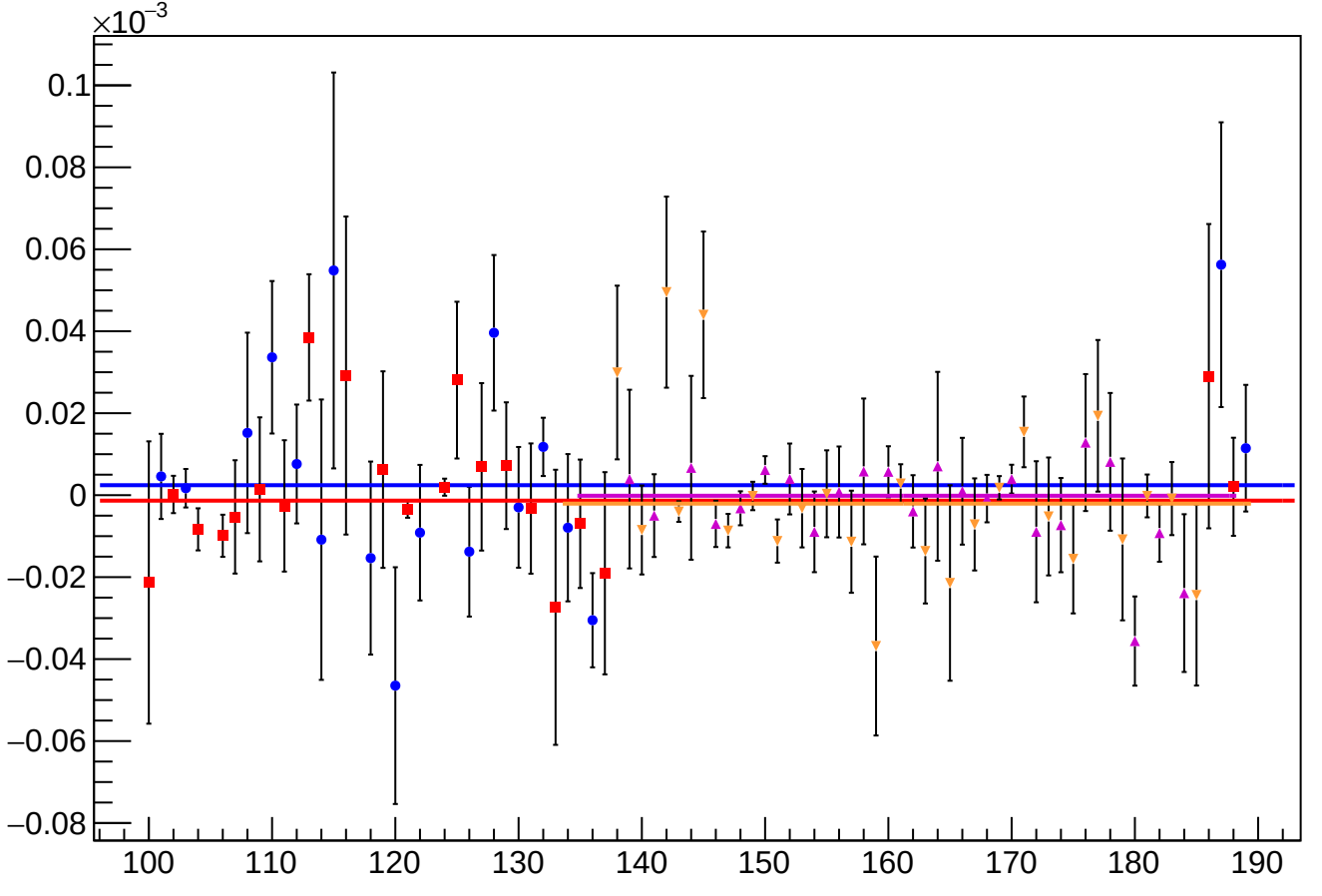
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 129.652+/-0.025 χ^2/NDF: 3907022.5/38

In: 196.617+/-0.032 χ^2/NDF:12451020.6/40

Out: 172.175+/-0.029 χ^2/NDF:17769825.4/45

All: 183.187+/-0.022 χ^2/NDF: 30540511.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/20

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

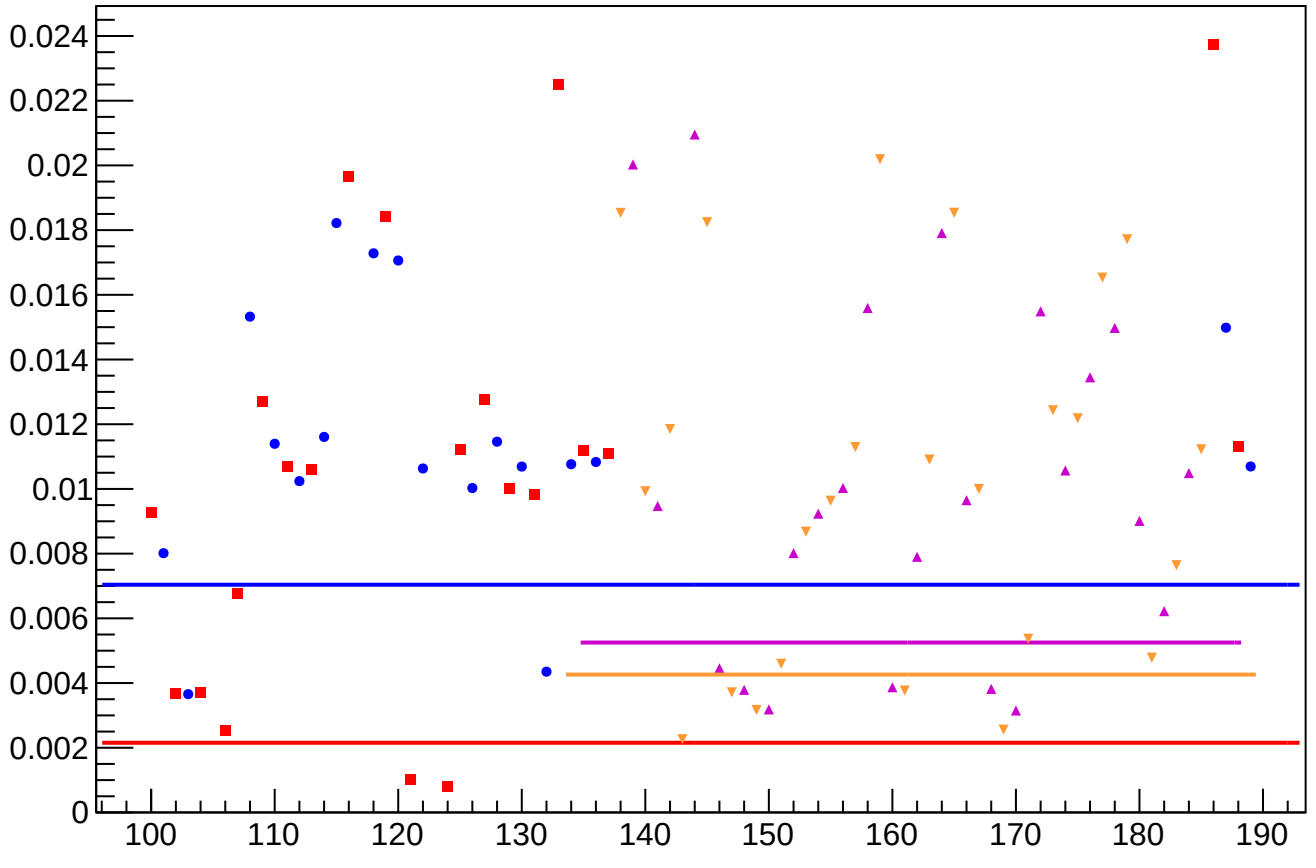
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 49.0/38

In: 0.000+/-0.000 χ^2/NDF:52.1/40

Out: -0.000+/-0.000 χ^2/NDF:56.0/45

All: -0.000+/-0.000 χ^2/NDF: 109.8/86



Right In: 0.007+/-0.000 χ^2/NDF: 3455050.6/17

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10876917.2/20

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

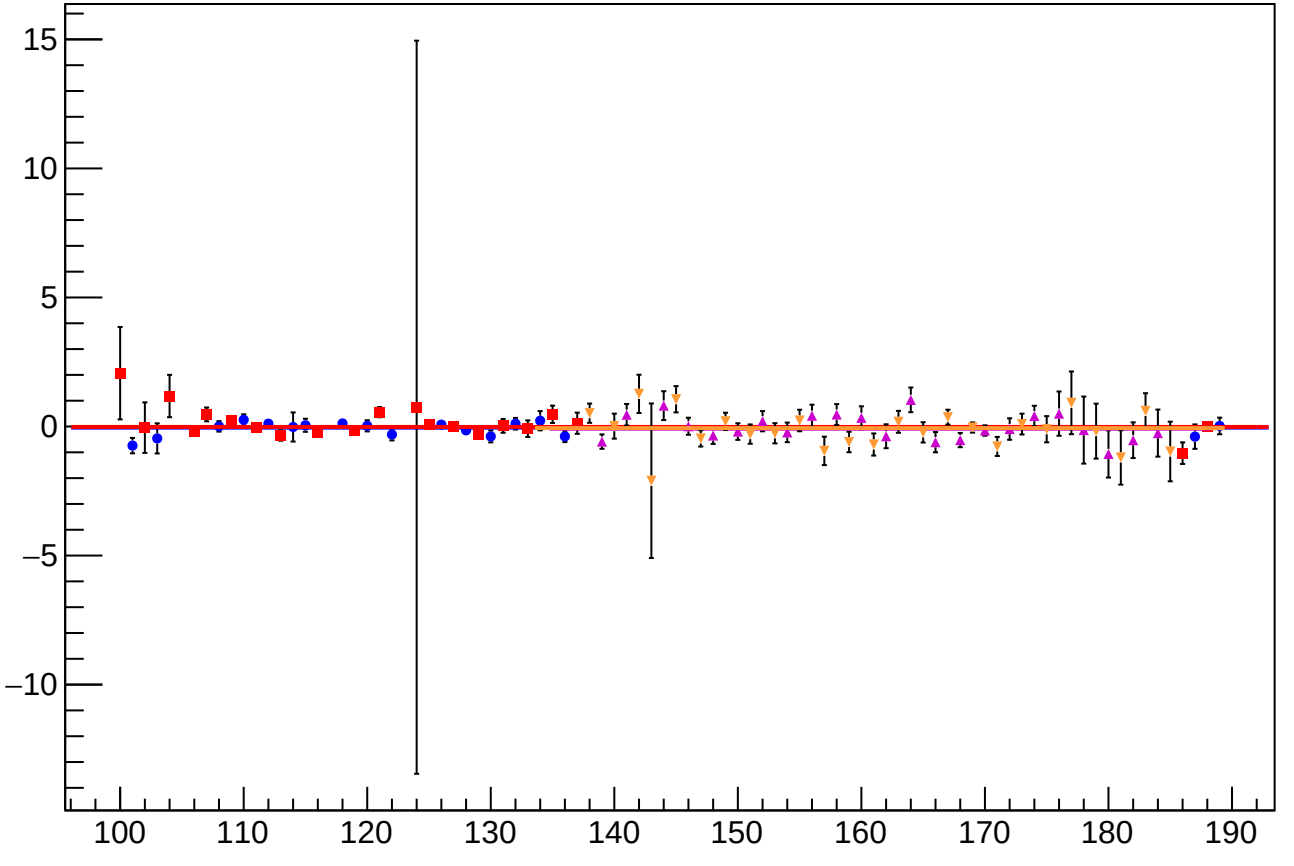
Right: 0.003+/-0.000 χ^2/NDF: 19106839.8/38

In: 0.006+/-0.000 χ^2/NDF:13581050.4/40

Out: 0.003+/-0.000 χ^2/NDF:26700769.0/45

All: 0.004+/-0.000 χ^2/NDF: 44823317.4/86

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

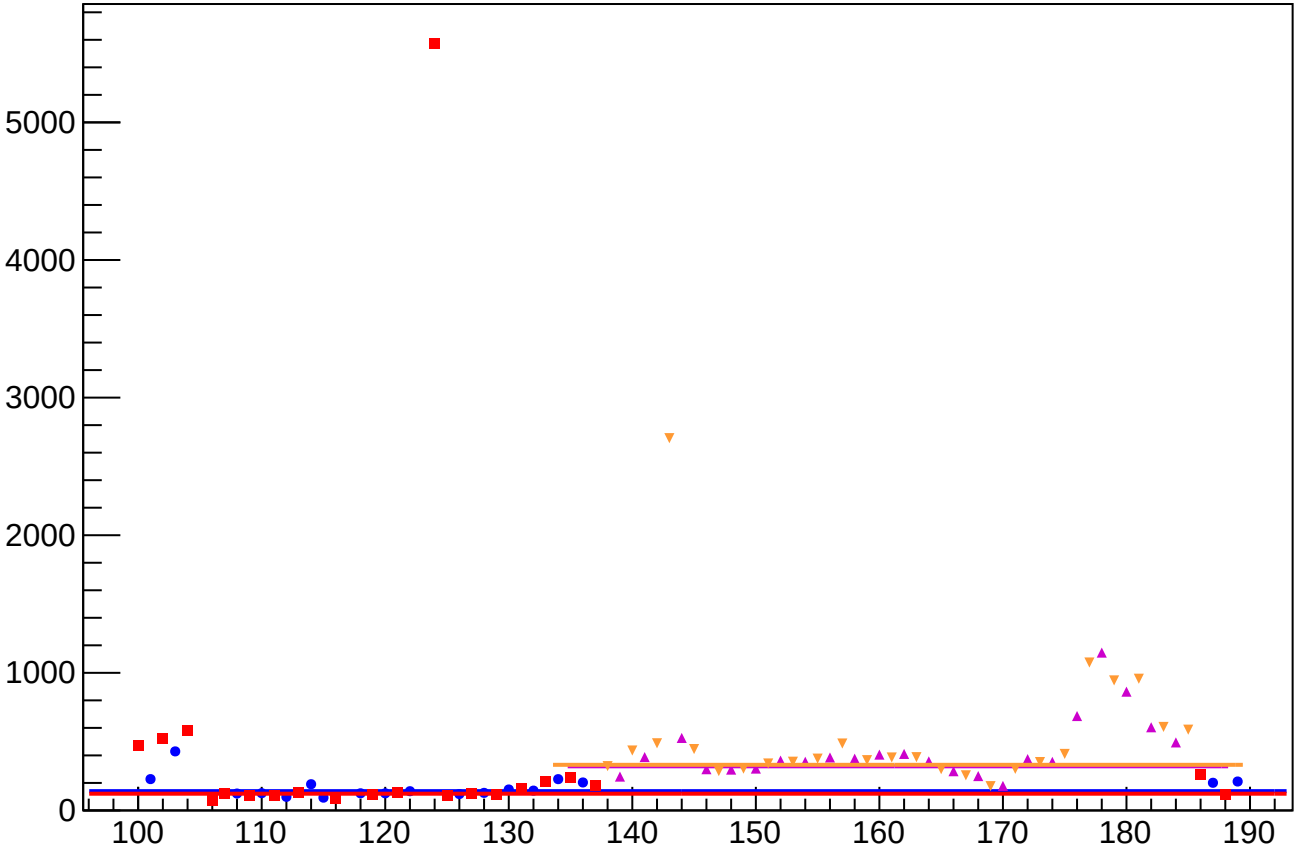
Right: -0.028+/-0.036 χ^2/NDF: 53.3/38

In: -0.055+/-0.045 χ^2/NDF:45.7/40

Out: -0.027+/-0.041 χ^2/NDF:65.7/45

All: -0.040+/-0.030 χ^2/NDF: 111.6/86

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.358+/-0.039 χ^2/NDF: 1401749.6/17

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 121.698+/-0.033 χ^2/NDF: 2371279.6/20

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

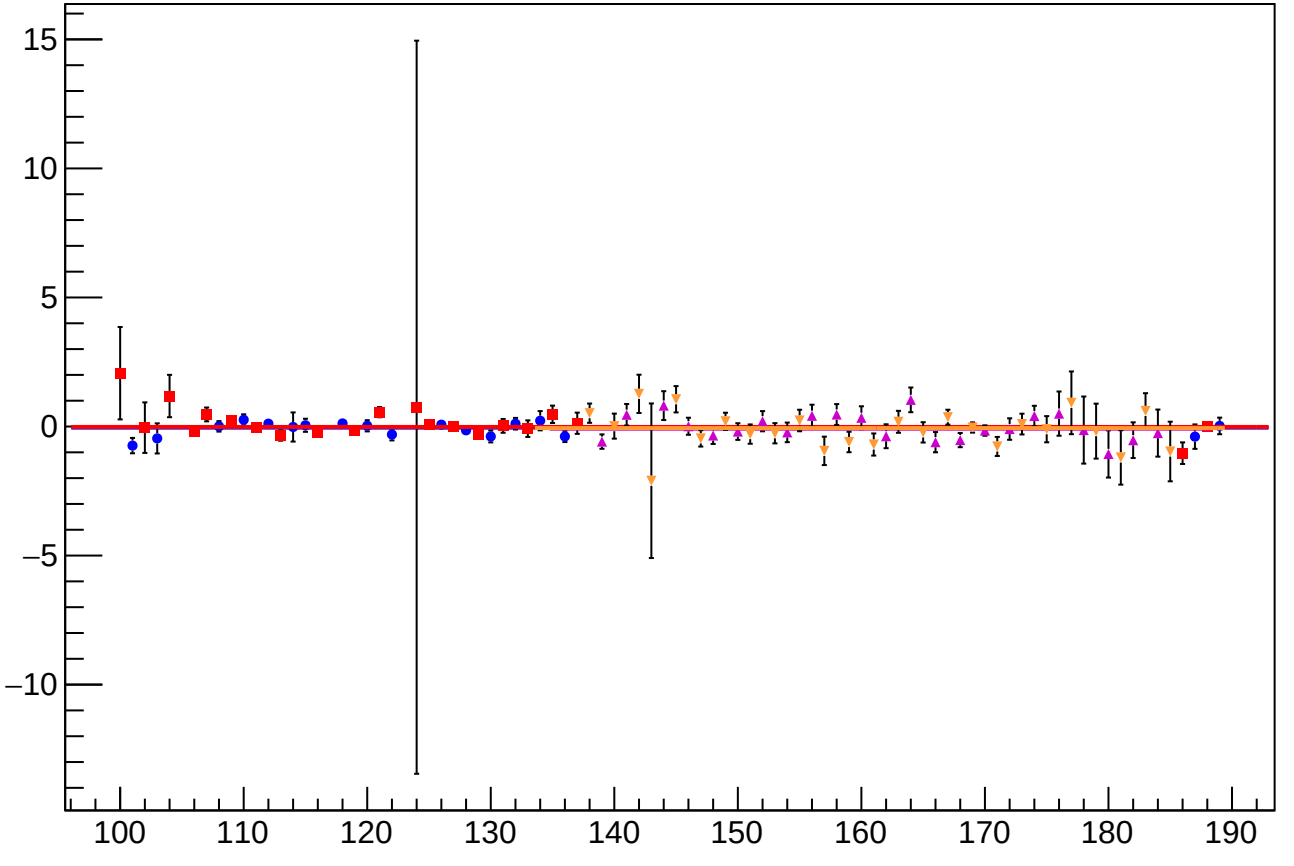
Right: 129.652+/-0.025 χ^2/NDF: 3906914.7/38

In: 196.618+/-0.032 χ^2/NDF:12451001.3/40

Out: 172.174+/-0.029 χ^2/NDF:17769946.8/45

All: 183.187+/-0.022 χ^2/NDF: 30540668.5/86

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.043+/-0.055 χ^2/NDF: 18.5/17

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

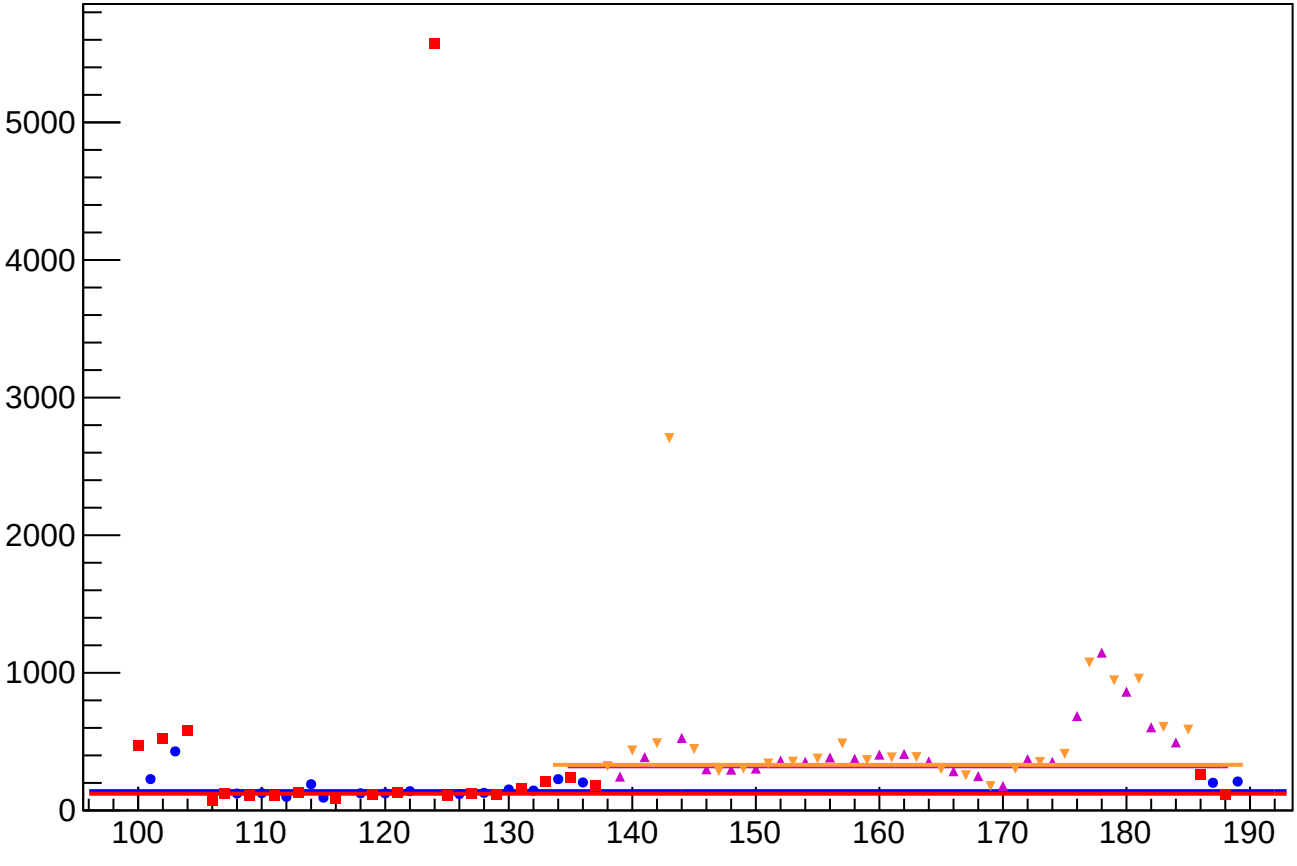
Right: -0.028+/-0.036 χ^2/NDF: 53.3/38

In: -0.055+/-0.045 χ^2/NDF:45.7/40

Out: -0.027+/-0.041 χ^2/NDF:65.7/45

All: -0.040+/-0.030 χ^2/NDF: 111.6/86

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 140.358+/-0.039 χ^2/NDF: 1401749.6/17

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 121.698+/-0.033 χ^2/NDF: 2371279.6/20

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

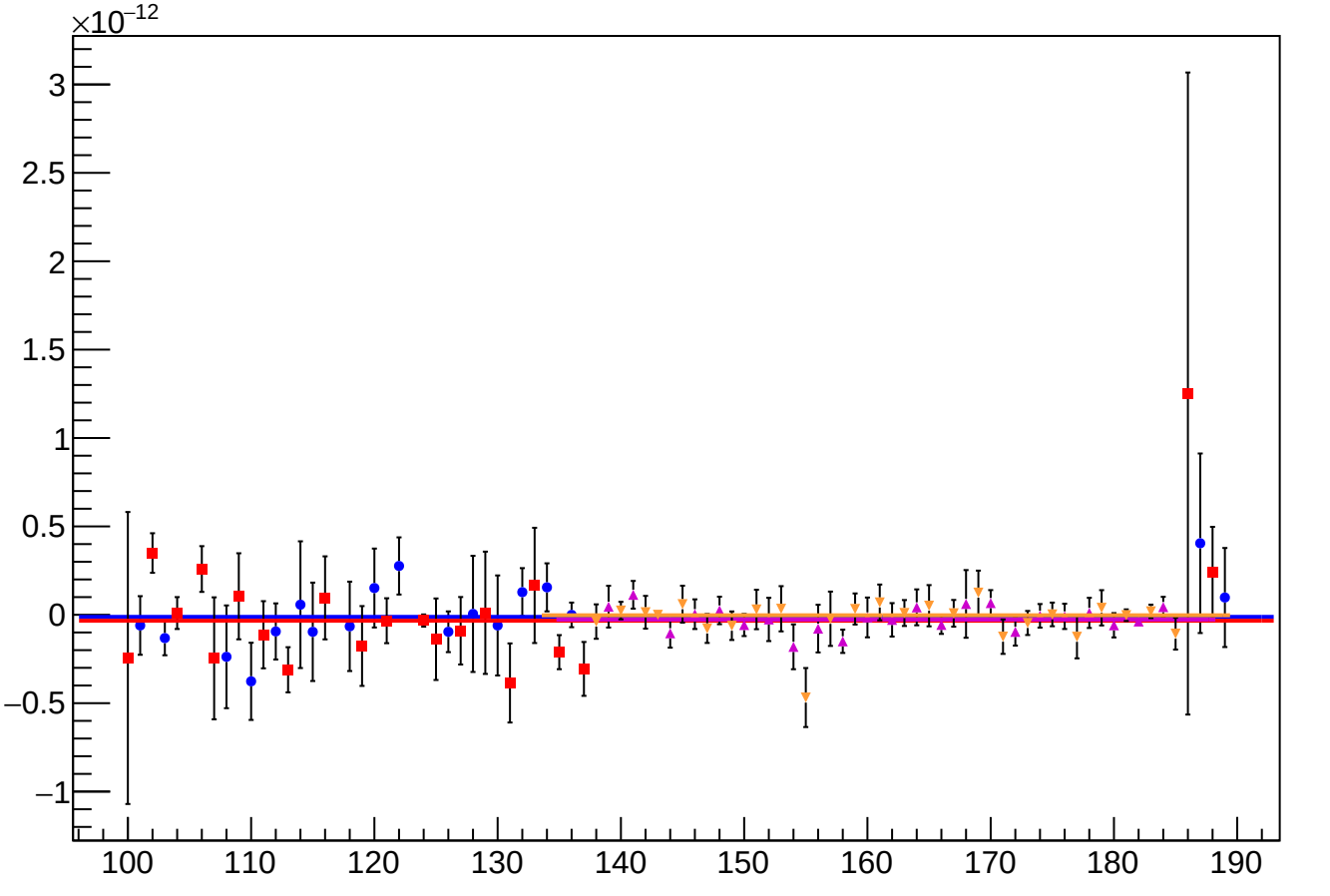
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 129.652+/-0.025 χ^2/NDF: 3906914.7/38

In: 196.618+/-0.032 χ^2/NDF:12451001.3/40

Out: 172.174+/-0.029 χ^2/NDF:17769946.8/45

All: 183.187+/-0.022 χ^2/NDF: 30540668.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/20

Left In: -0.000+/-0.000 χ^2/NDF:16.1/22

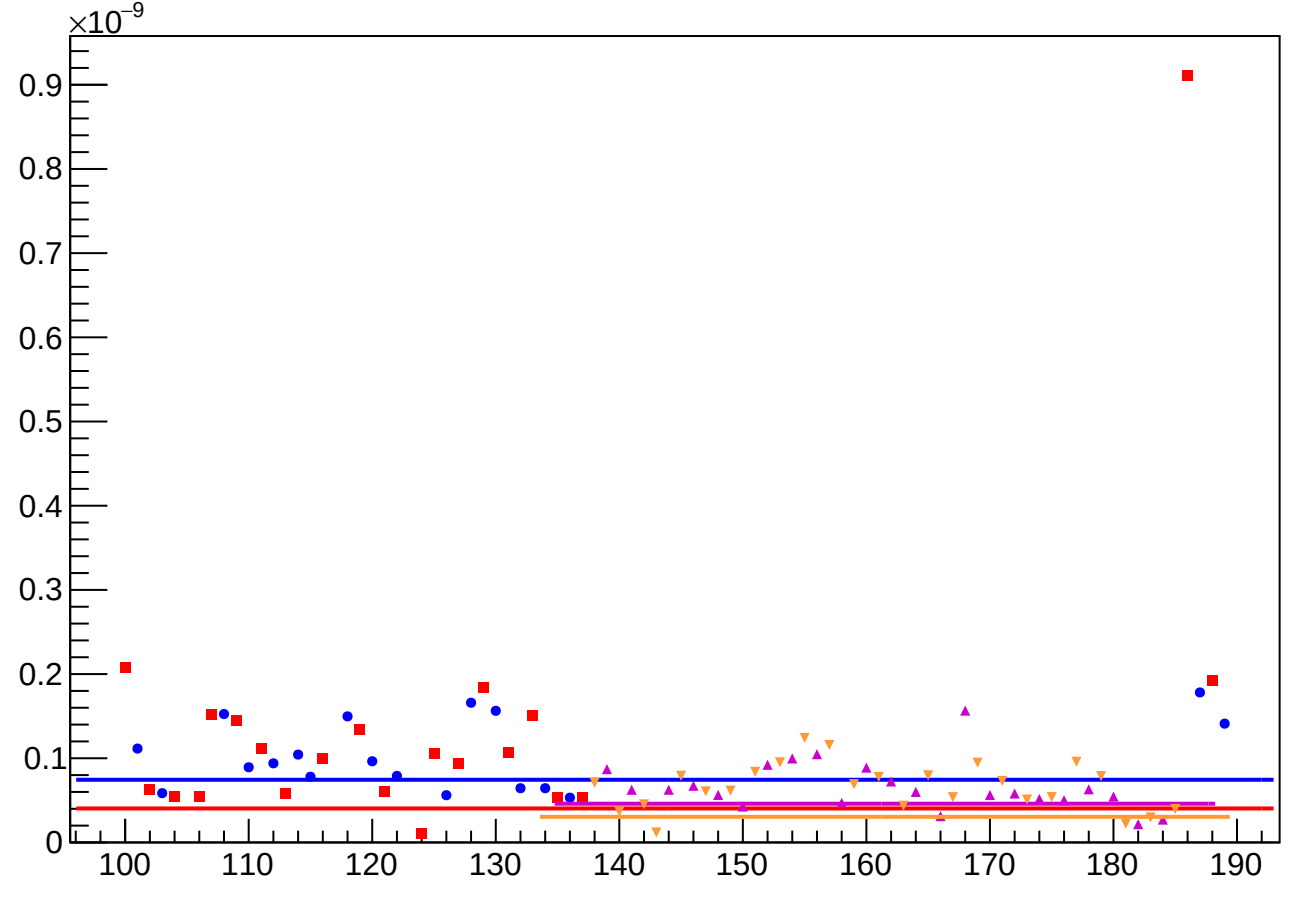
Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

Right: -0.000+/-0.000 χ^2/NDF: 48.2/38

In: -0.000+/-0.000 χ^2/NDF:29.4/40

Out: -0.000+/-0.000 χ^2/NDF:53.0/45

All: -0.000+/-0.000 χ^2/NDF: 83.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 1328924.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5433499.0/20

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

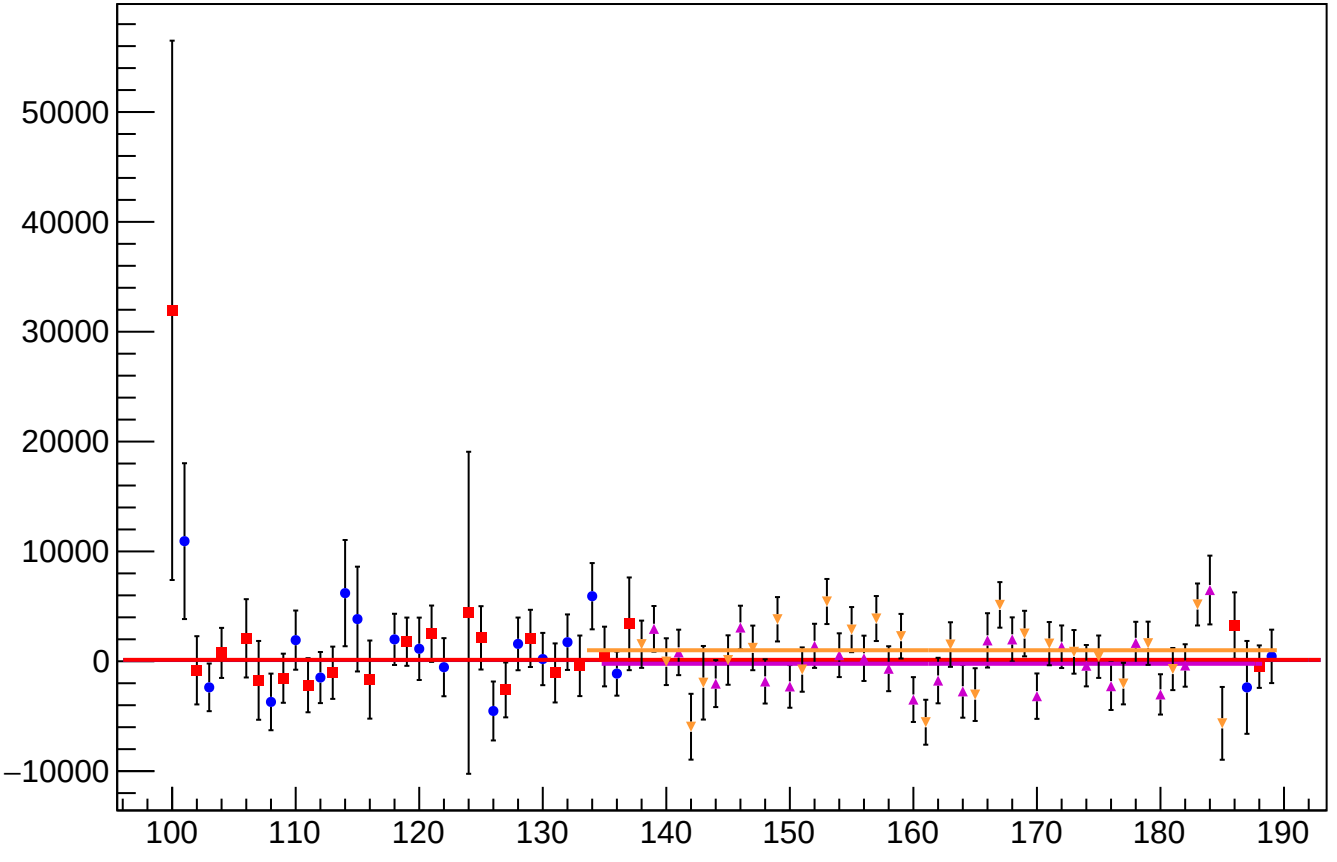
Right: 0.000+/-0.000 χ^2/NDF: 7927588.5/38

In: 0.000+/-0.000 χ^2/NDF:7263932.2/40

Out: 0.000+/-0.000 χ^2/NDF:16213940.4/45

All: 0.000+/-0.000 χ^2/NDF: 25762872.3/86

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 113.725+/-635.940 χ^2/NDF: 18.0/17

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 129.182+/-607.951 χ^2/NDF: 10.1/20

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

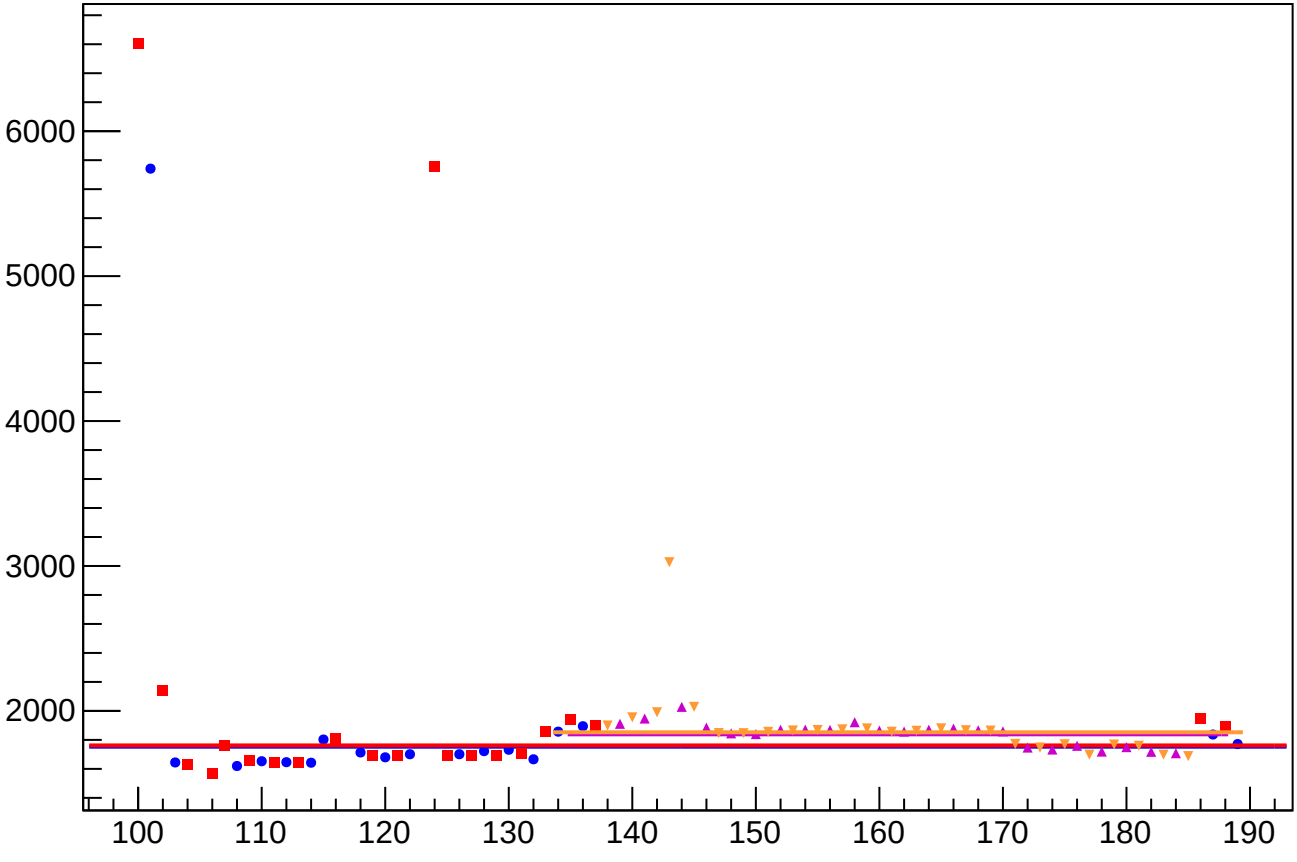
Right: 121.801+/-439.448 χ^2/NDF: 28.2/38

In: -121.794+/-356.041 χ^2/NDF:44.6/40

Out: 719.129+/-346.991 χ^2/NDF:58.9/45

All: 309.491+/-248.498 χ^2/NDF: 106.4/86

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1753.305+/-0.450 χ^2/NDF: 670524.3/17

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1761.796+/-0.427 χ^2/NDF: 323648.1/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

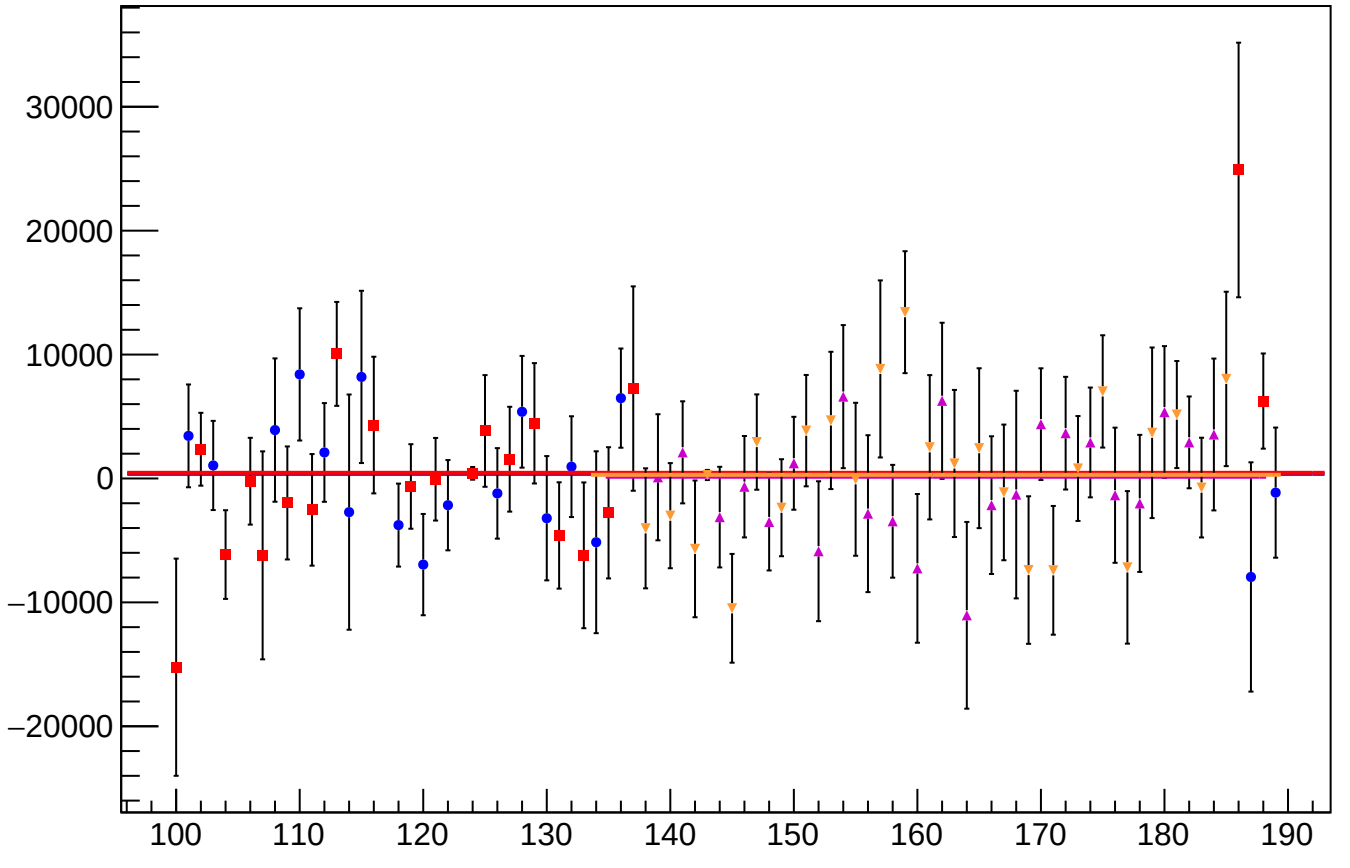
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1757.768+/-0.310 χ^2/NDF: 994359.8/38

In: 1811.815+/-0.252 χ^2/NDF:763661.9/40

Out: 1822.722+/-0.245 χ^2/NDF:674983.3/45

All: 1817.420+/-0.176 χ^2/NDF: 1439609.8/86



Right In: 377.560+/-1070.490 χ^2/NDF: 15.7/17

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 456.431+/-454.283 χ^2/NDF: 27.2/20

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

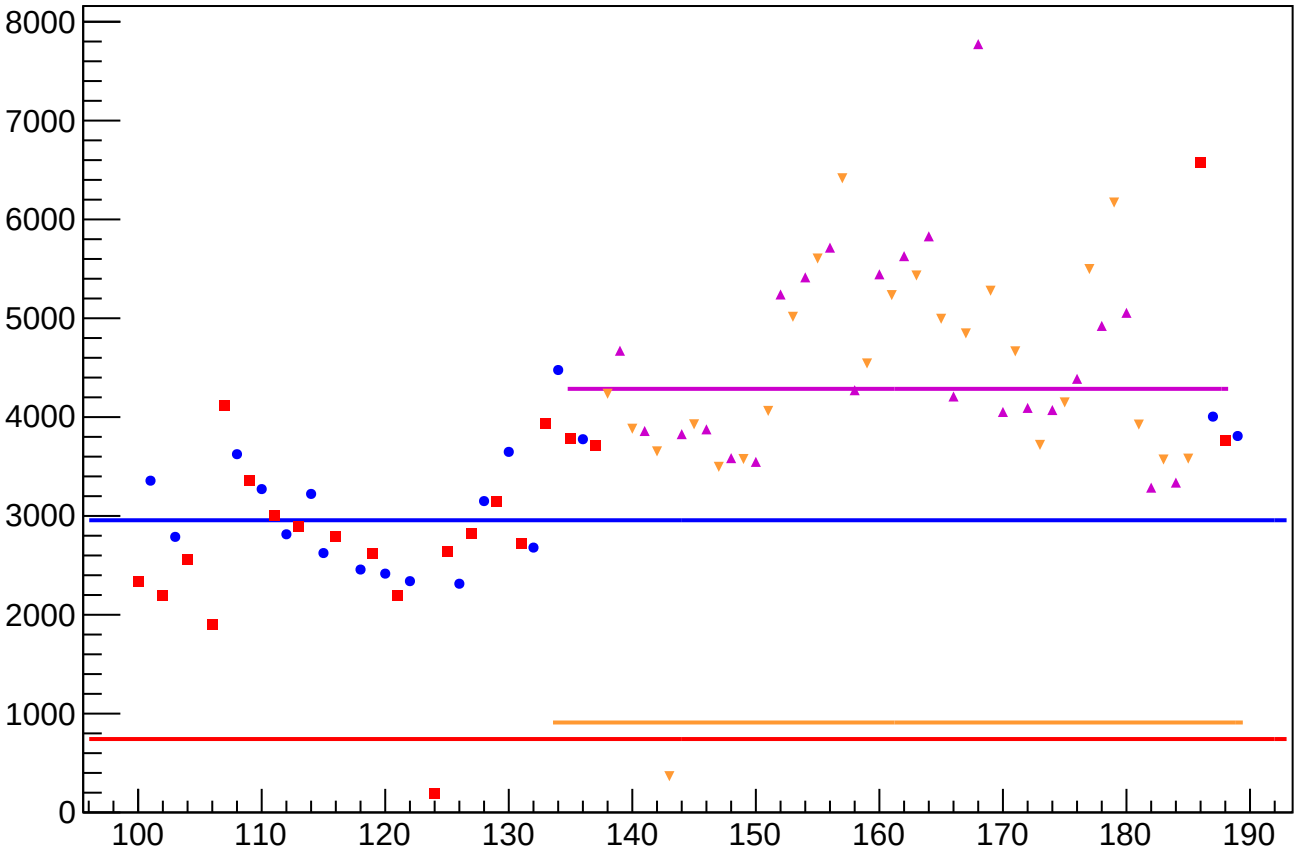
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 444.394+/-418.185 χ^2/NDF: 43.0/38

In: 252.525+/-739.568 χ^2/NDF:29.7/40

Out: 361.090+/-291.437 χ^2/NDF:57.3/45

All: 346.497+/-271.144 χ^2/NDF: 87.0/86



Right In: 2956.384+/-0.757 χ^2/NDF: 562657.4/17

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 742.831+/-0.321 χ^2/NDF: 12057508.6/20

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

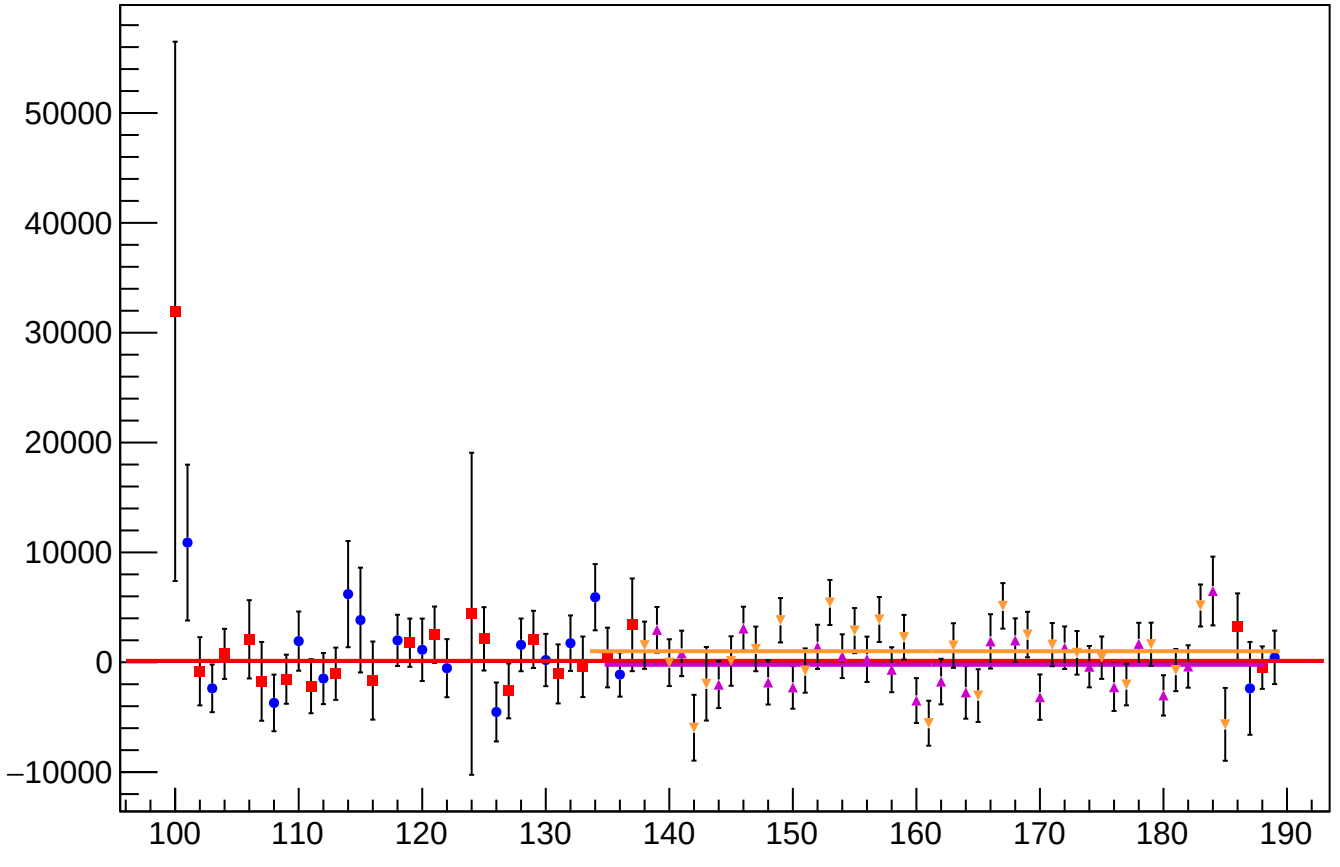
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1080.634+/-0.296 χ^2/NDF: 19866690.5/38

In: 3651.291+/-0.523 χ^2/NDF:3502977.6/40

Out: 841.279+/-0.206 χ^2/NDF:38991253.3/45

All: 1218.983+/-0.192 χ^2/NDF: 67486220.0/8



Right In: 113.276+/-635.940 χ^2/NDF: 18.0/17

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 129.184+/-607.951 χ^2/NDF: 10.1/20

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

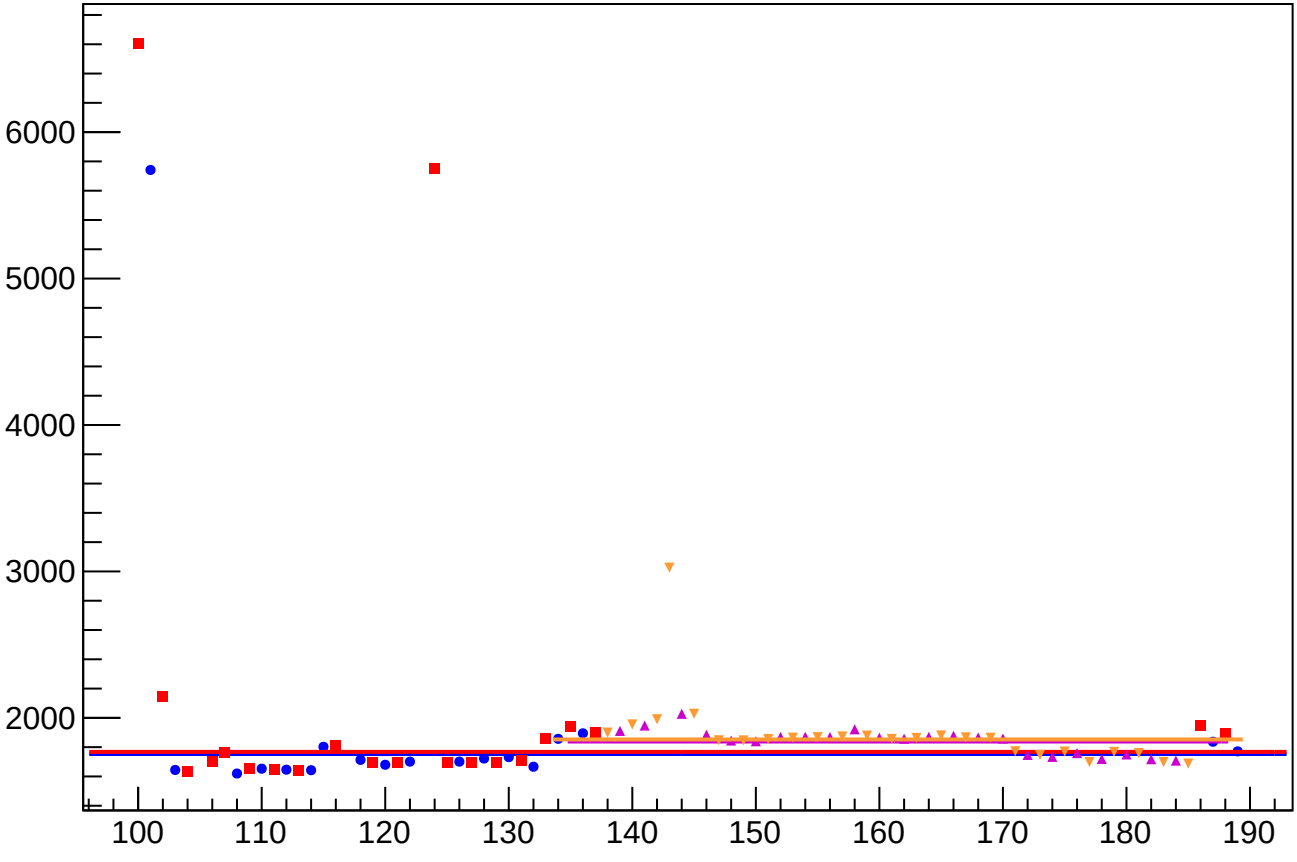
Right: 121.588+/-439.448 χ^2/NDF: 28.1/38

In: -121.876+/-356.041 χ^2/NDF:44.6/40

Out: 719.102+/-346.991 χ^2/NDF:58.9/45

All: 309.438+/-248.498 χ^2/NDF: 106.3/86

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1753.304+/-0.450 χ^2/NDF: 670524.5/17

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.711+/-0.429 χ^2/NDF: 315670.8/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

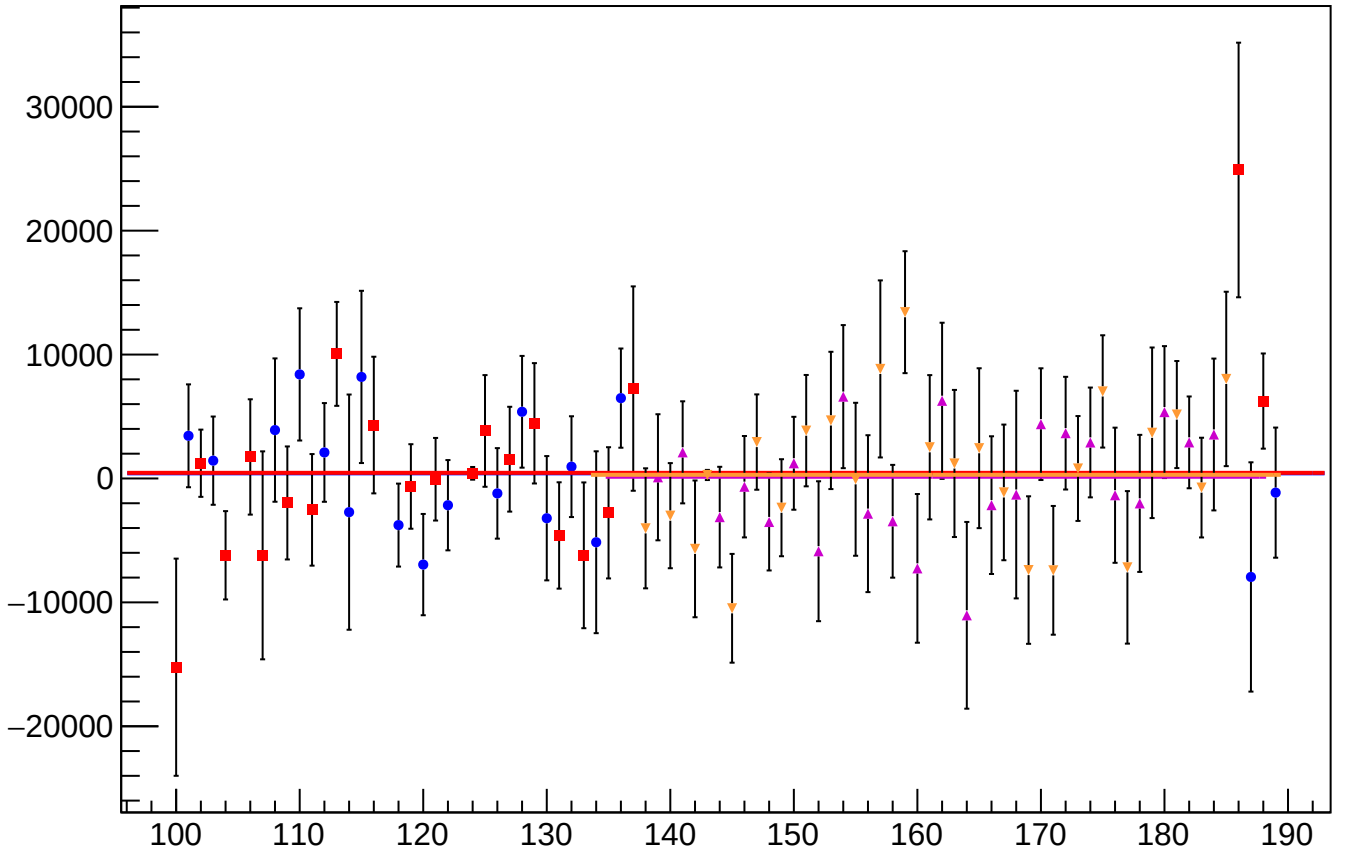
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1760.855+/-0.310 χ^2/NDF: 986733.1/38

In: 1811.815+/-0.252 χ^2/NDF:763662.3/40

Out: 1824.782+/-0.245 χ^2/NDF:663074.2/45

All: 1818.472+/-0.176 χ^2/NDF: 1428098.5/86



Right In: 413.666+/-1069.536 χ^2/NDF: 15.8/17

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 454.579+/-455.175 χ^2/NDF: 27.0/20

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

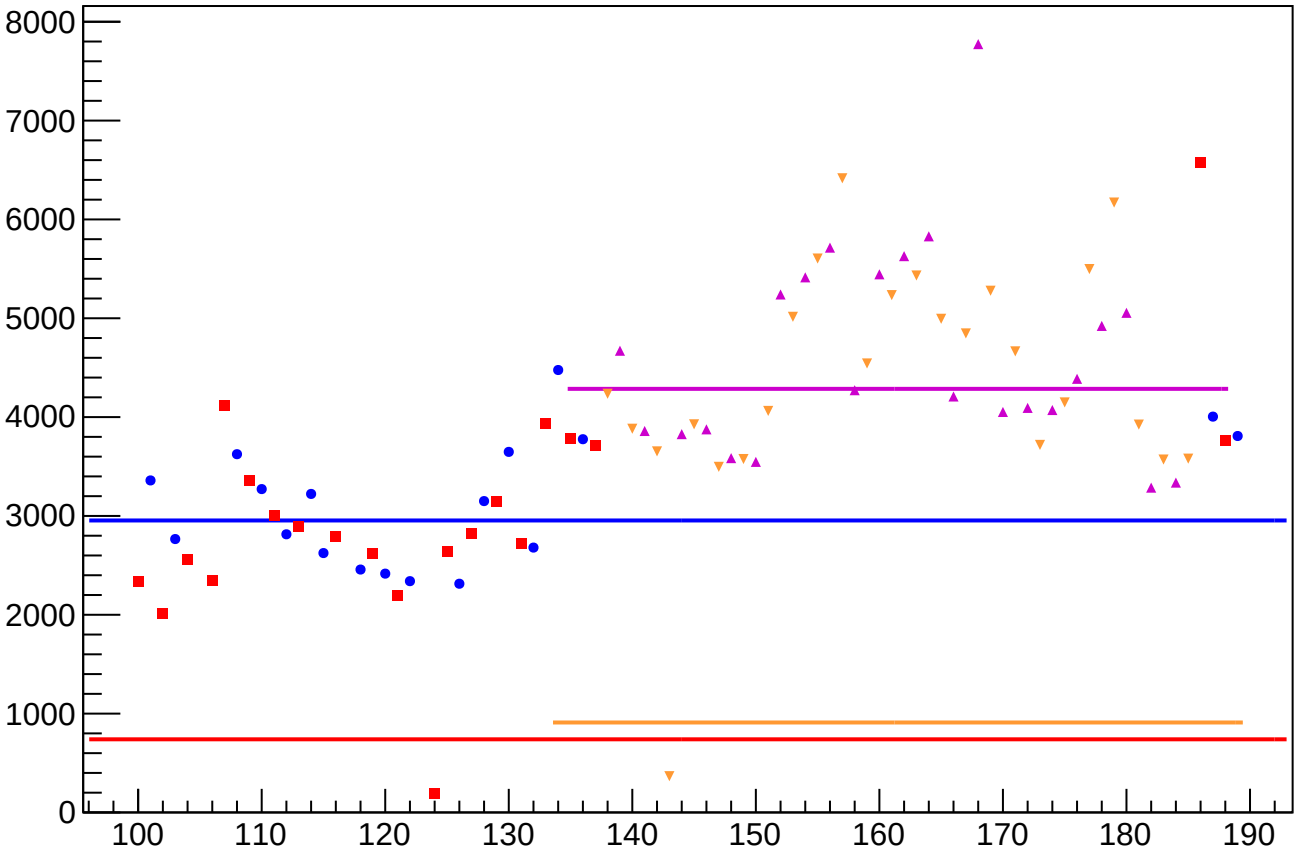
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 448.305+/-418.824 χ^2/NDF: 42.8/38

In: 269.839+/-739.252 χ^2/NDF:29.7/40

Out: 360.713+/-291.685 χ^2/NDF:57.1/45

All: 348.471+/-271.328 χ^2/NDF: 86.9/86



Right In: 2954.213+/-0.756 χ^2/NDF: 564204.6/17

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 740.032+/-0.322 χ^2/NDF: 12017461.4/20

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

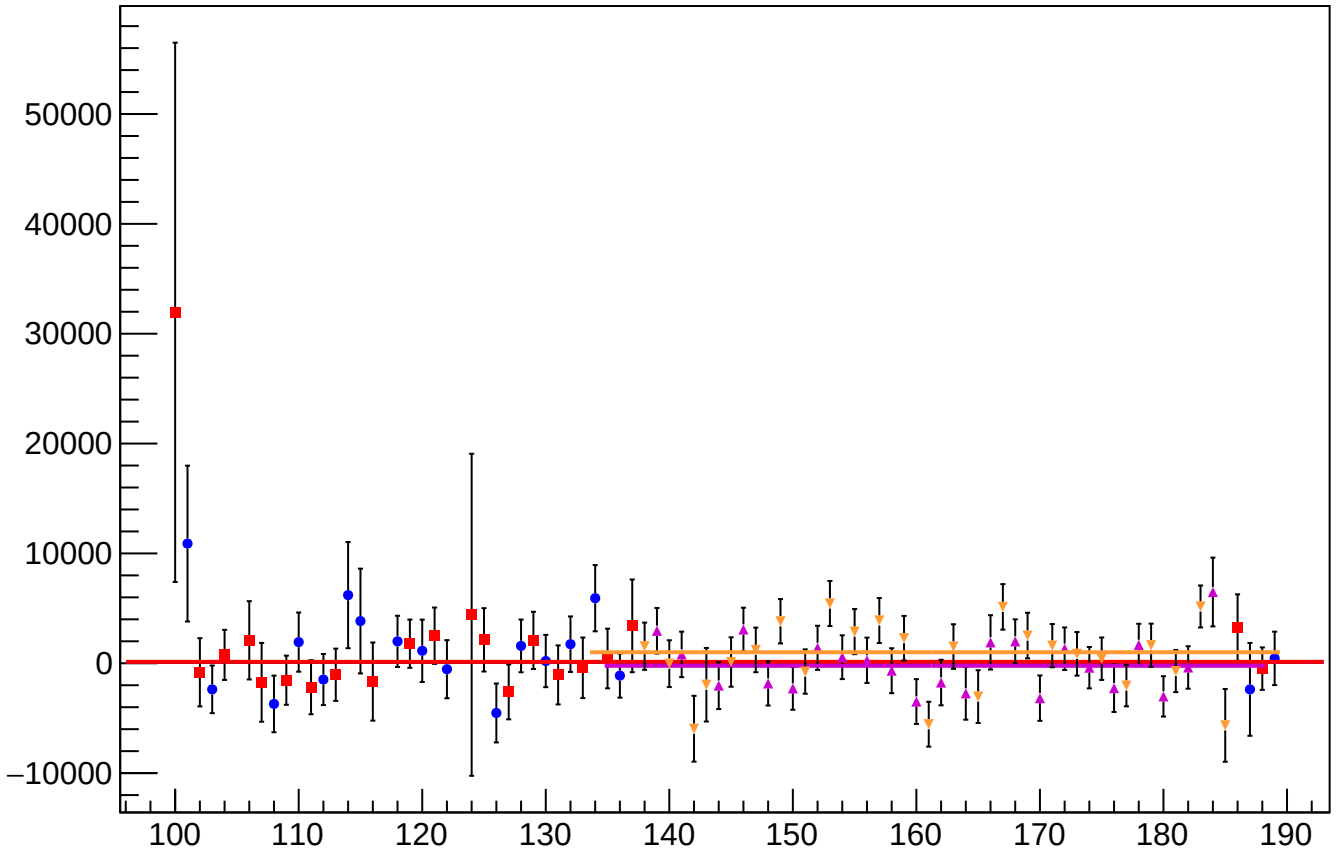
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1079.568+/-0.296 χ^2/NDF: 19838893.0/38

In: 3649.658+/-0.523 χ^2/NDF:3511294.0/40

Out: 840.352+/-0.206 χ^2/NDF:38955274.2/45

All: 1218.798+/-0.192 χ^2/NDF: 67458728.6/8



Right In: 113.276+/-635.940 χ^2/NDF: 18.0/17

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 129.184+/-607.951 χ^2/NDF: 10.1/20

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

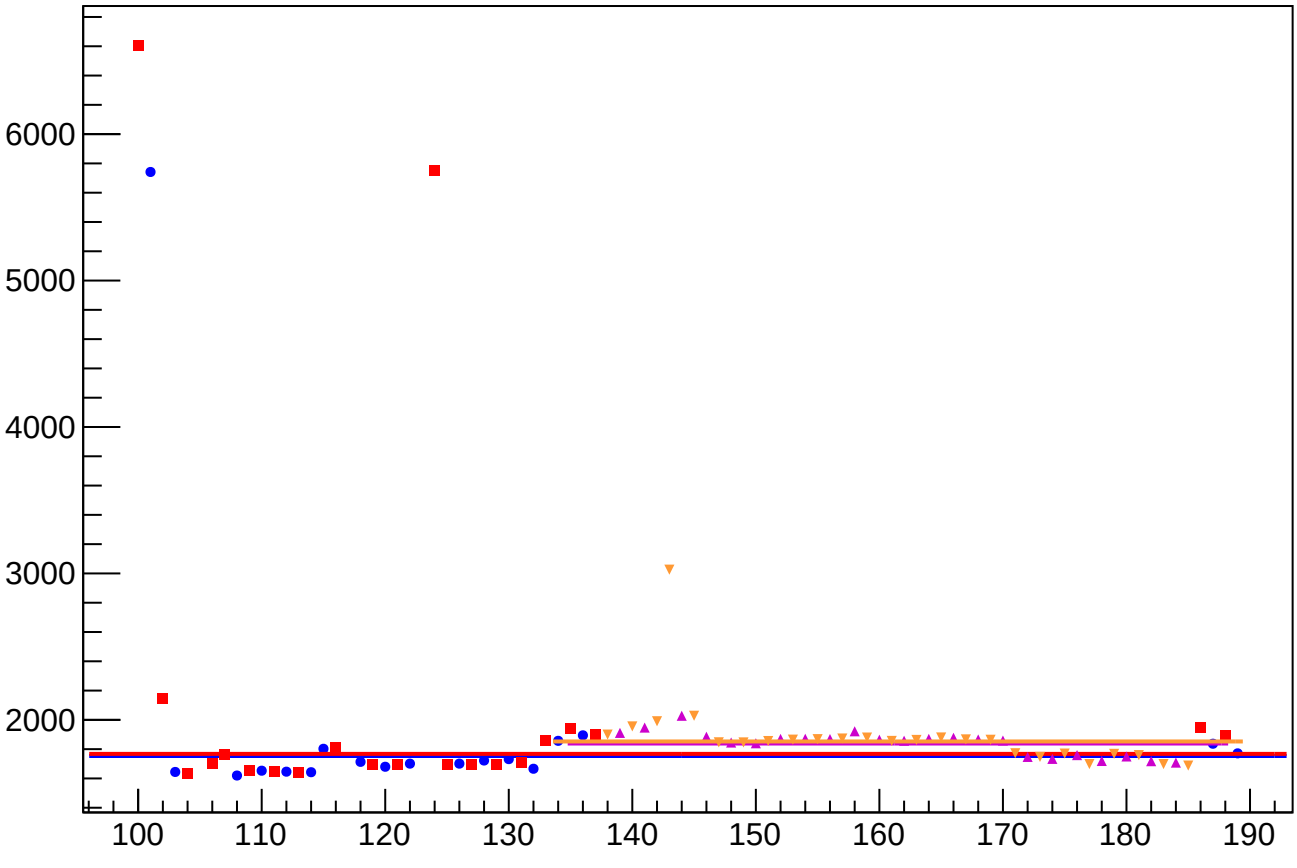
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 121.588+/-439.448 χ^2/NDF: 28.1/38

In: -121.876+/-356.041 χ^2/NDF:44.6/40

Out: 719.102+/-346.991 χ^2/NDF:58.9/45

All: 309.438+/-248.498 χ^2/NDF: 106.3/86



Right In: 1753.304+/-0.450 χ^2/NDF: 670524.5/17

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.711+/-0.429 χ^2/NDF: 315670.8/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

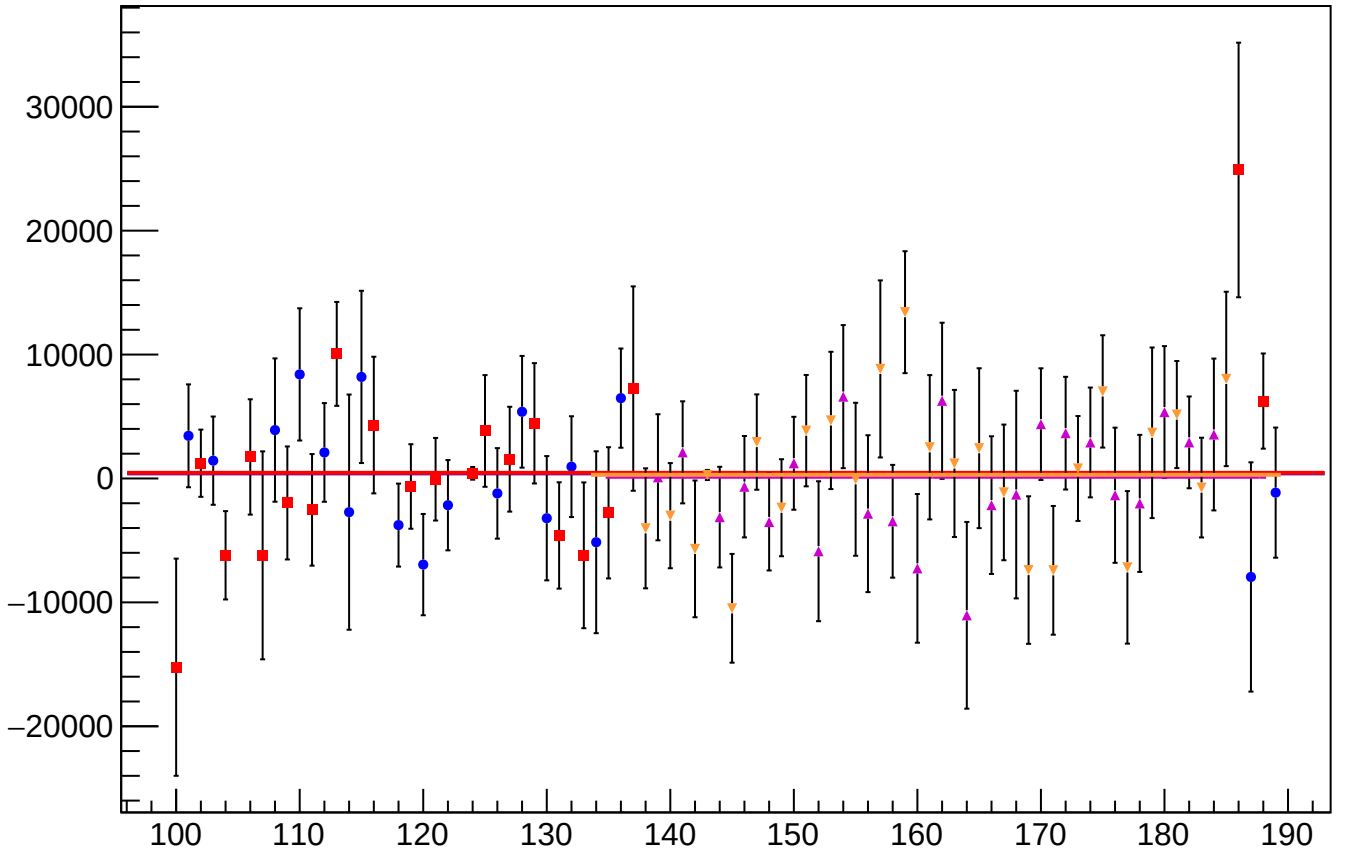
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1760.855+/-0.310 χ^2/NDF: 986733.1/38

In: 1811.815+/-0.252 χ^2/NDF:763662.3/40

Out: 1824.782+/-0.245 χ^2/NDF:663074.2/45

All: 1818.472+/-0.176 χ^2/NDF: 1428098.5/86



Right In: 413.666+/-1069.536 χ^2/NDF: 15.8/17

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 454.579+/-455.175 χ^2/NDF: 27.0/20

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

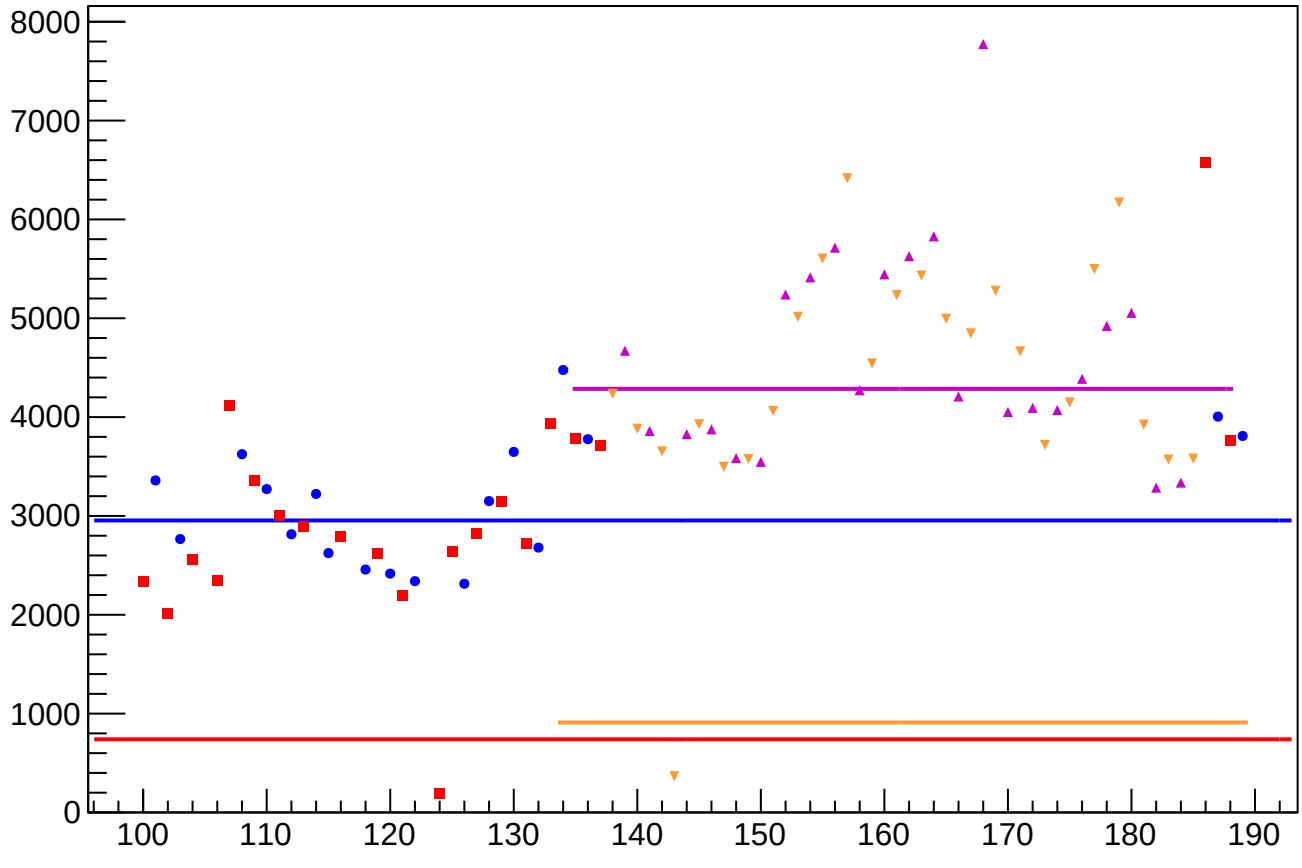
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 448.305+/-418.824 χ^2/NDF: 42.8/38

In: 269.839+/-739.252 χ^2/NDF:29.7/40

Out: 360.713+/-291.685 χ^2/NDF:57.1/45

All: 348.471+/-271.328 χ^2/NDF: 86.9/86



Right In: 2954.213+/-0.756 χ^2/NDF: 564204.6/17

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 740.032+/-0.322 χ^2/NDF: 12017461.4/20

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

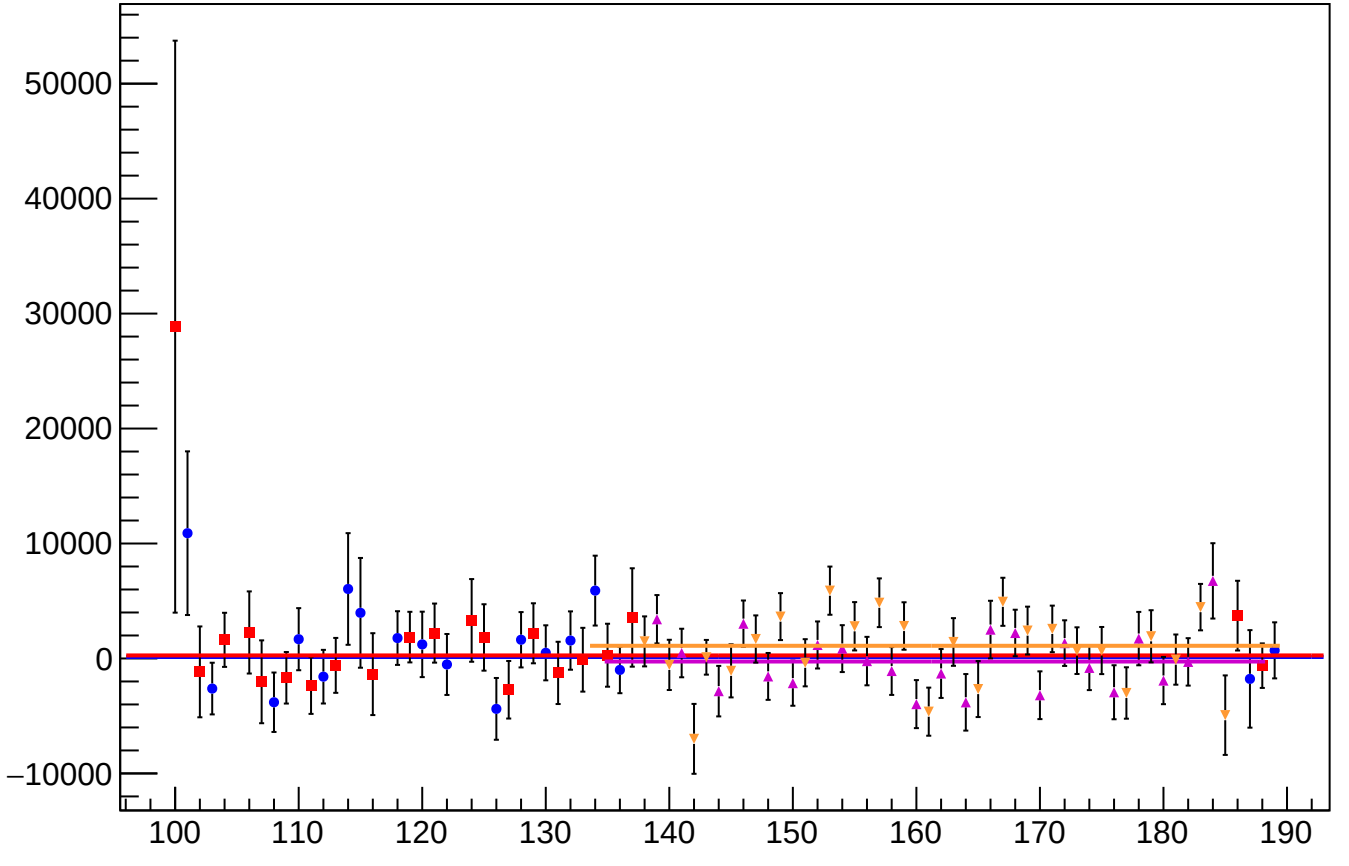
Right: 1079.568+/-0.296 χ^2/NDF: 19838893.0/38

In: 3649.658+/-0.523 χ^2/NDF:3511294.0/40

Out: 840.352+/-0.206 χ^2/NDF:38955274.2/45

All: 1218.798+/-0.192 χ^2/NDF: 67458728.6/8

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 129.756+/-640.094 χ^2/NDF: 17.5/17

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 264.888+/-607.443 χ^2/NDF: 11.2/20

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

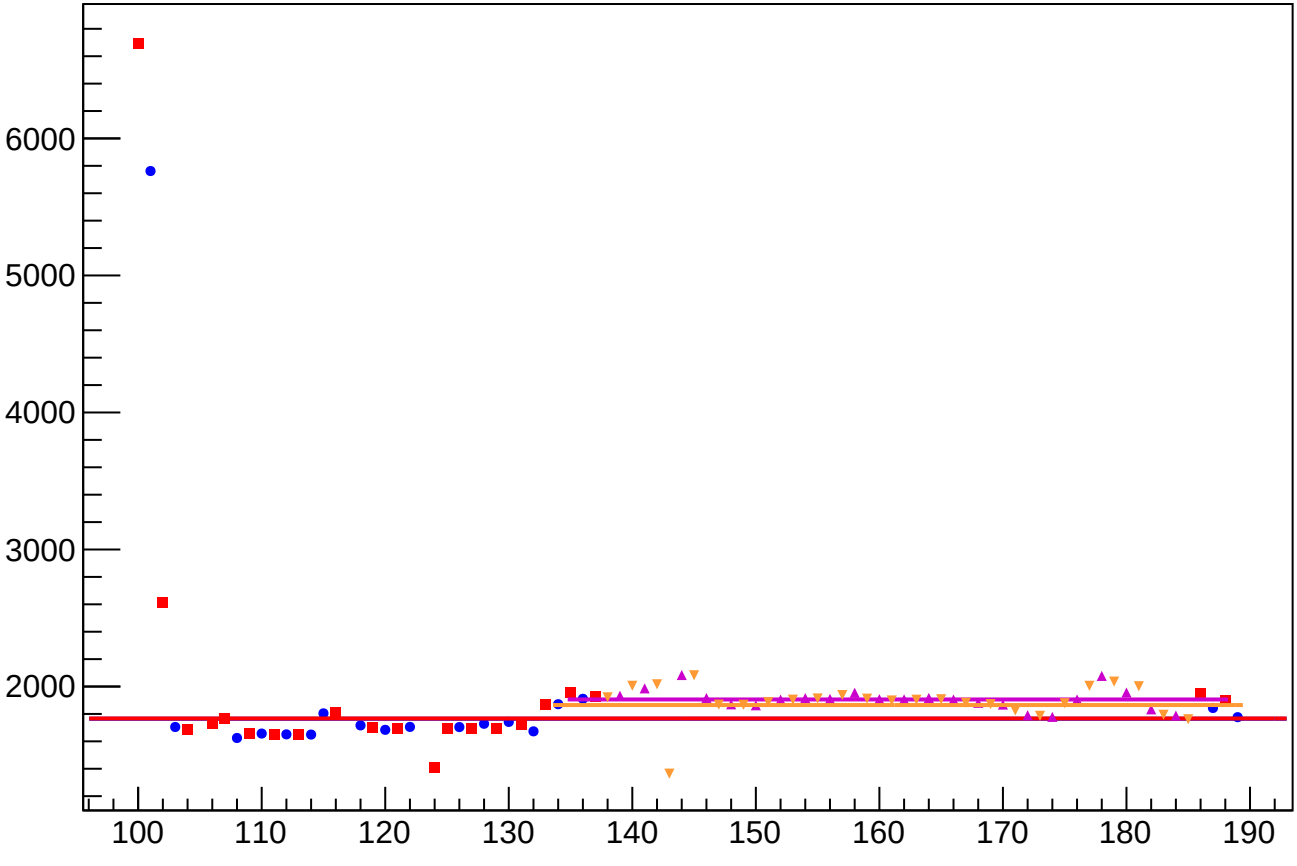
Right: 200.856+/-440.618 χ^2/NDF: 28.8/38

In: -135.973+/-365.574 χ^2/NDF:45.5/40

Out: 827.490+/-348.406 χ^2/NDF:57.3/45

All: 368.912+/-252.211 χ^2/NDF: 106.4/86

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1764.895+/-0.453 χ^2/NDF: 668464.2/17

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1766.837+/-0.428 χ^2/NDF: 246449.2/20

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

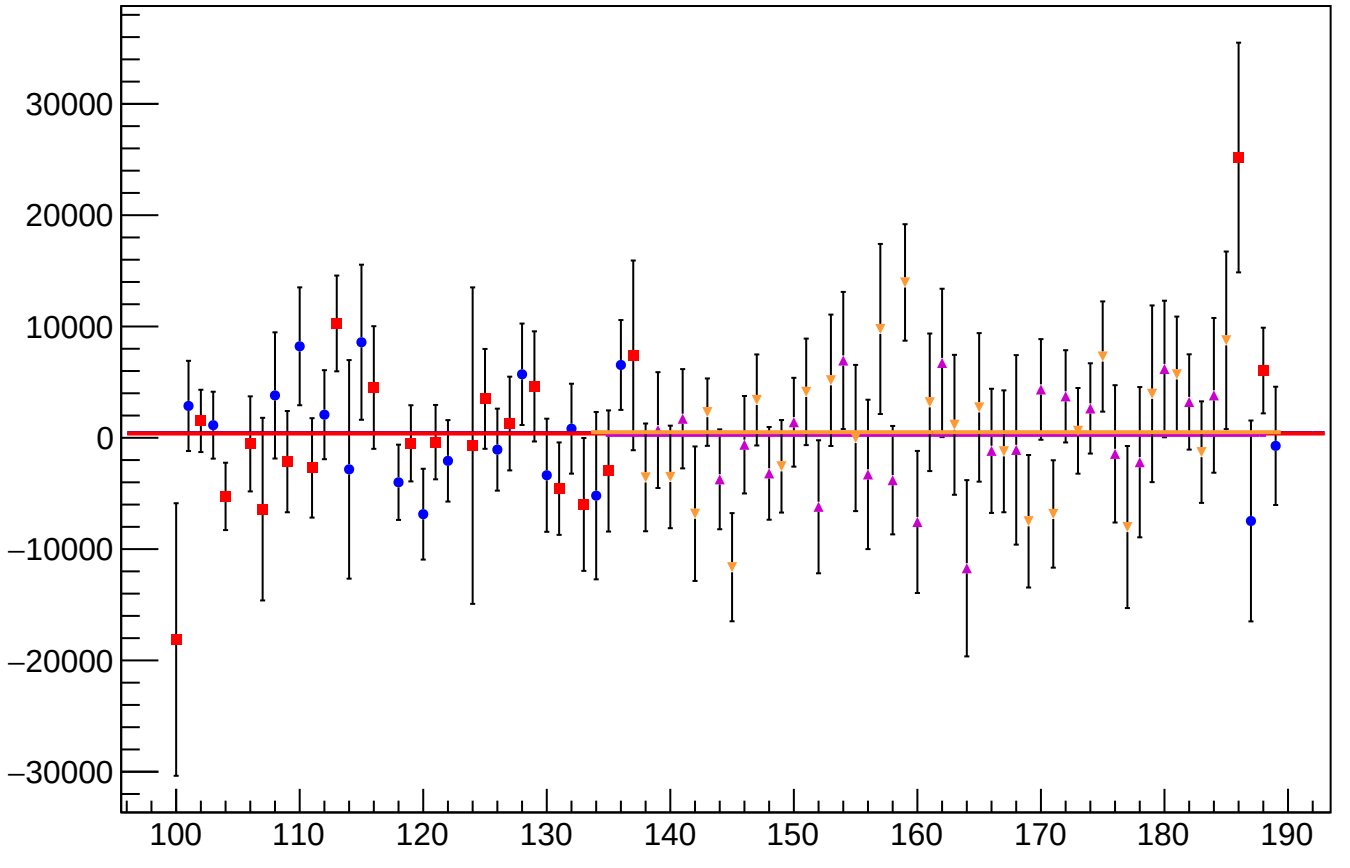
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1765.919+/-0.311 χ^2/NDF: 914923.1/38

In: 1859.723+/-0.258 χ^2/NDF:786389.3/40

Out: 1832.492+/-0.246 χ^2/NDF:576211.8/45

All: 1845.442+/-0.178 χ^2/NDF: 1368420.6/86



Right In: 421.380+/-1052.513 χ^2/NDF: 15.7/17

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 390.491+/-982.378 χ^2/NDF: 26.2/20

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

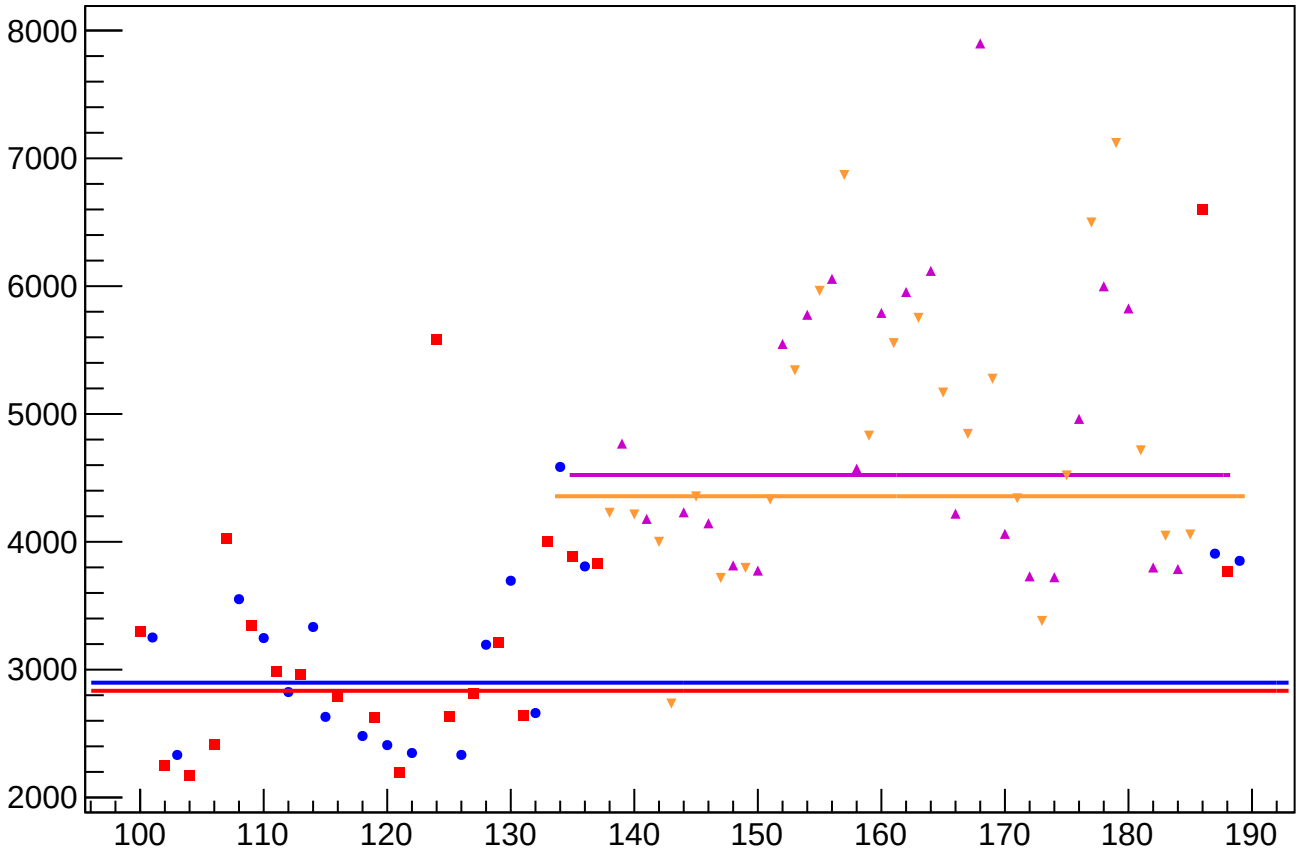
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 404.872+/-718.162 χ^2/NDF: 41.9/38

In: 343.386+/-754.245 χ^2/NDF:29.3/40

Out: 445.146+/-708.134 χ^2/NDF:56.3/45

All: 397.471+/-516.259 χ^2/NDF: 85.6/86



Right In: 2898.147+/-0.744 χ^2/NDF: 636412.1/17

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2834.605+/-0.695 χ^2/NDF: 1015530.8/20

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

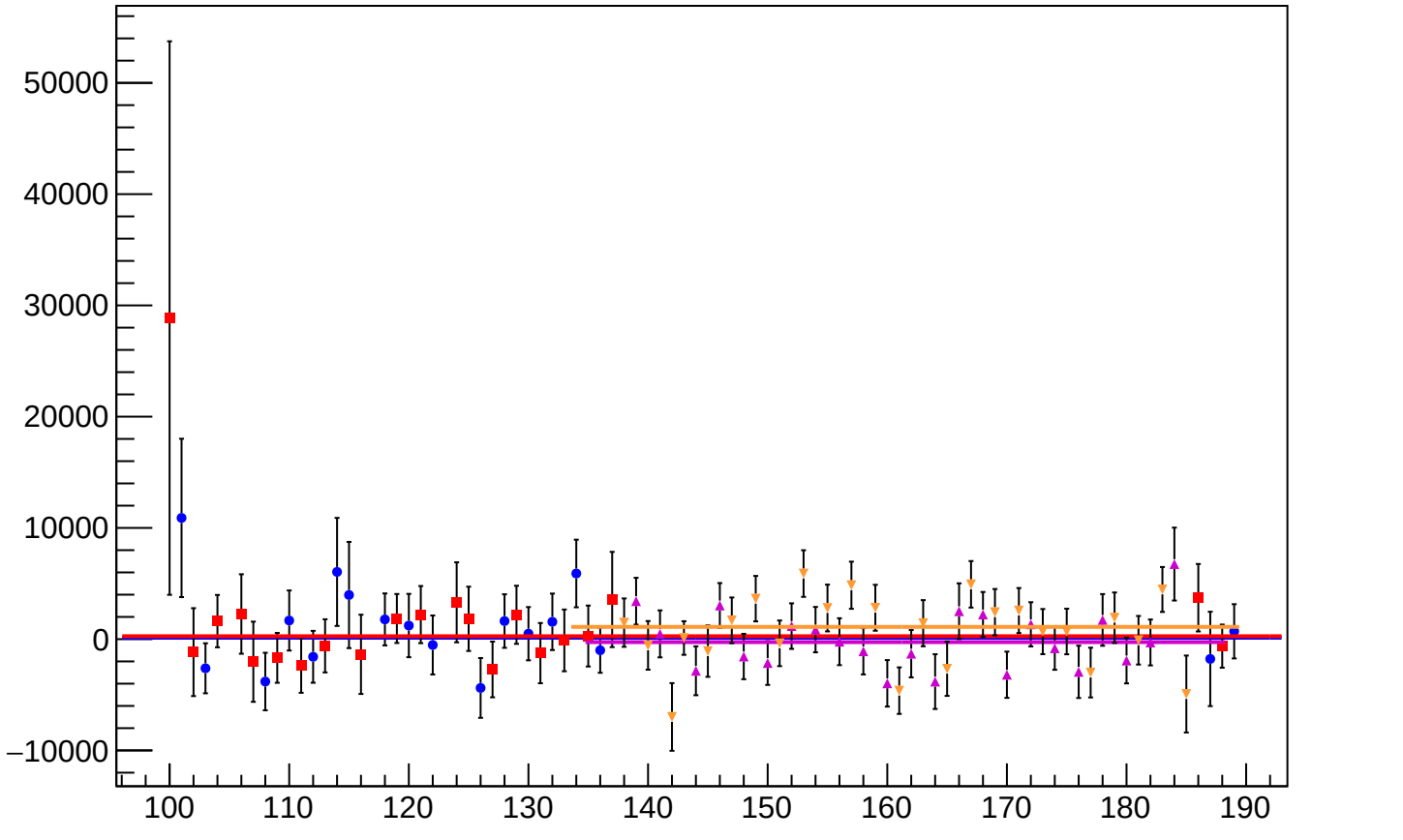
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

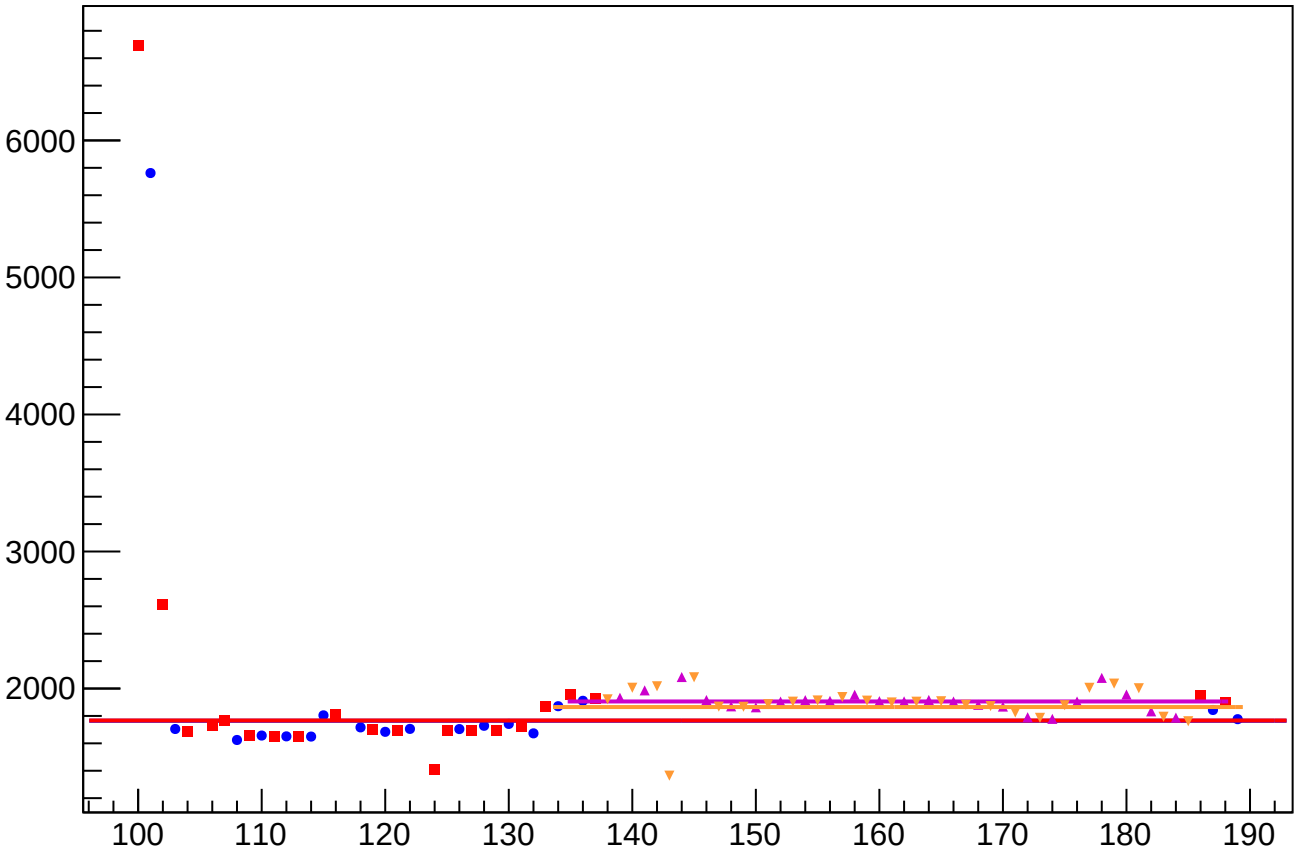
Right: 2864.188+/-0.508 χ^2/NDF: 1655838.7/38

In: 3688.477+/-0.533 χ^2/NDF:4388566.1/40

Out: 3565.784+/-0.501 χ^2/NDF:5234185.7/45

All: 3623.265+/-0.365 χ^2/NDF: 9650880.3/86


eigen_dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 129.754+/-640.094 χ²/NDF: 17.5/17
Left Out: 1103.310+/-425.321 χ²/NDF:44.8/24
Right Out: 264.884+/-607.443 χ²/NDF: 11.2/20
Left In: -264.609+/-445.354 χ²/NDF:27.7/22
Left: 450.808+/-307.585 χ²/NDF: 77.4/47
Right: 200.853+/-440.618 χ²/NDF: 28.8/38
In: -135.974+/-365.574 χ²/NDF:45.5/40
Out: 827.490+/-348.406 χ²/NDF:57.3/45
All: 368.911+/-252.211 χ²/NDF: 106.4/86



Right In: 1764.895+/-0.453 χ^2/NDF: 668464.2/17

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1766.837+/-0.428 χ^2/NDF: 246449.2/20

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

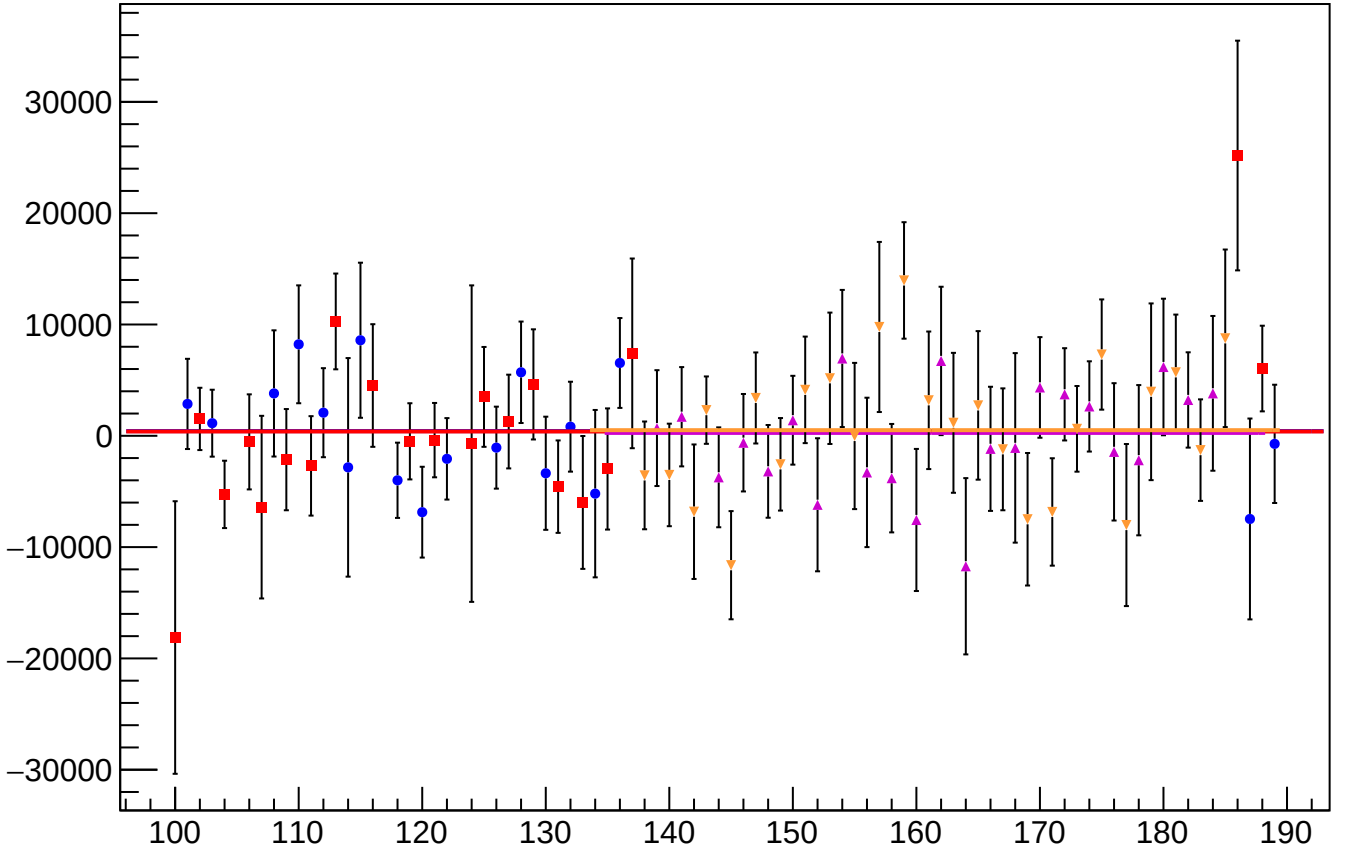
Right: 1765.919+/-0.311 χ^2/NDF: 914923.0/38

In: 1859.724+/-0.258 χ^2/NDF:786392.5/40

Out: 1832.493+/-0.246 χ^2/NDF:576215.8/45

All: 1845.443+/-0.178 χ^2/NDF: 1368427.9/86

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 421.377+/-1052.510 χ^2/NDF: 15.7/17

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 390.489+/-982.377 χ^2/NDF: 26.2/20

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

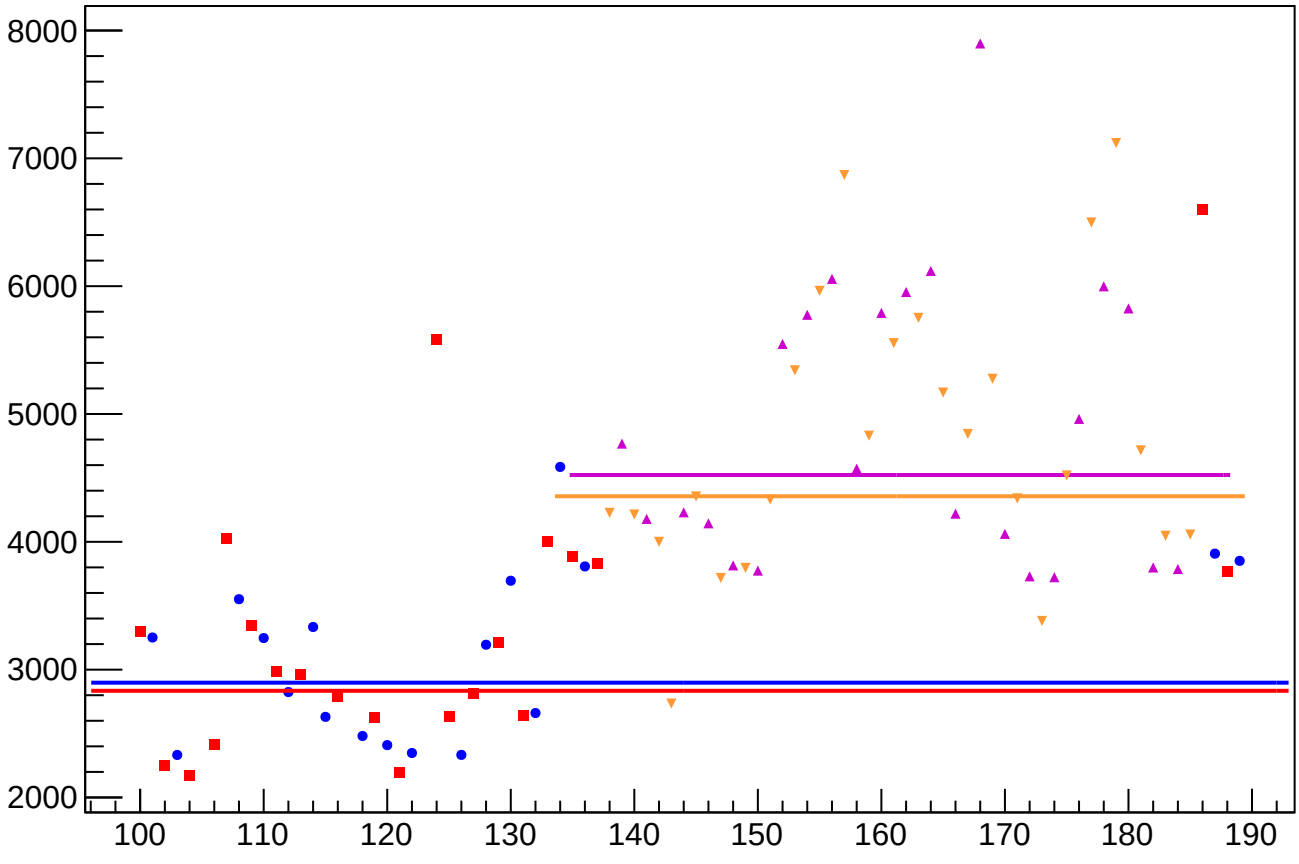
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 404.870+/-718.160 χ^2/NDF: 41.9/38

In: 343.384+/-754.245 χ^2/NDF:29.3/40

Out: 445.146+/-708.134 χ^2/NDF:56.3/45

All: 397.471+/-516.259 χ^2/NDF: 85.6/86



Right In: 2898.139+/-0.744 χ^2/NDF: 636417.1/17

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2834.599+/-0.695 χ^2/NDF: 1015531.3/20

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

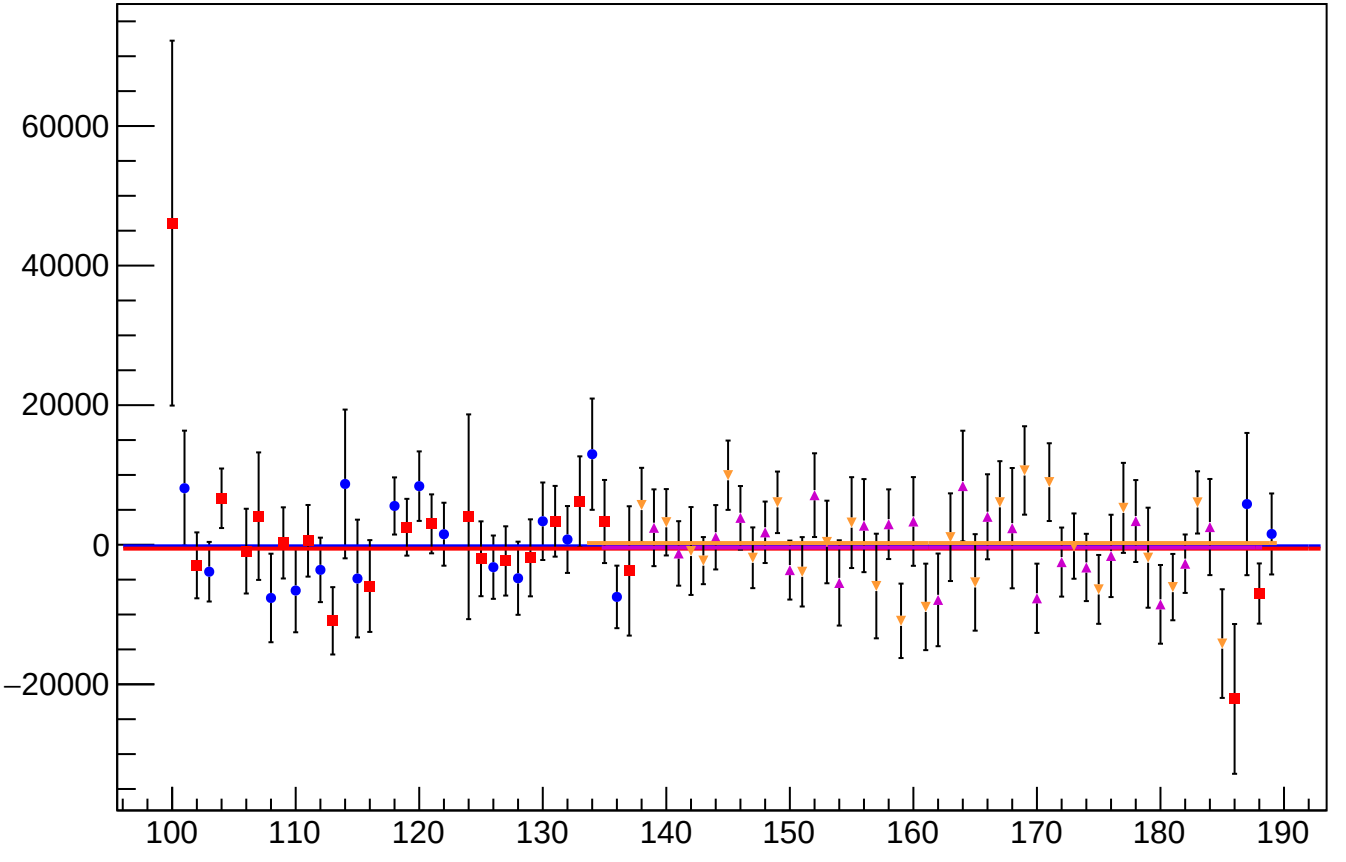
Right: 2864.182+/-0.508 χ^2/NDF: 1655843.9/38

In: 3688.473+/-0.533 χ^2/NDF:4388617.3/40

Out: 3565.782+/-0.501 χ^2/NDF:5234228.3/45

All: 3623.263+/-0.365 χ^2/NDF: 9650973.4/86

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -227.781+/-1283.549 χ^2/NDF: 18.4/17

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -559.187+/-1215.482 χ^2/NDF: 22.0/20

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

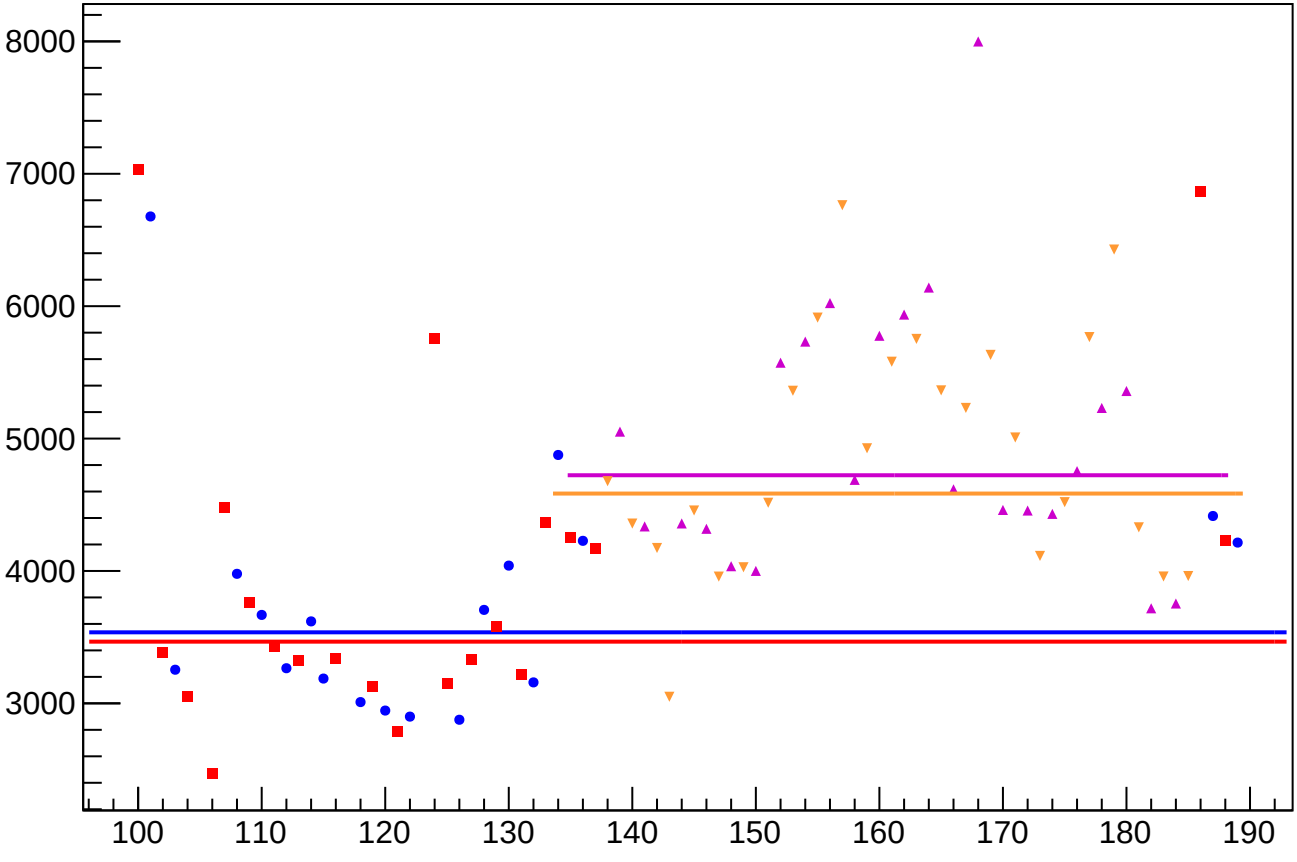
Right: -402.504+/-882.558 χ^2/NDF: 40.4/38

In: -324.254+/-844.463 χ^2/NDF:32.6/40

Out: -106.997+/-800.869 χ^2/NDF:54.4/45

All: -209.873+/-581.100 χ^2/NDF: 87.0/86

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3536.527+/-0.908 χ^2/NDF: 640827.4/17

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3466.074+/-0.849 χ^2/NDF: 655909.9/20

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

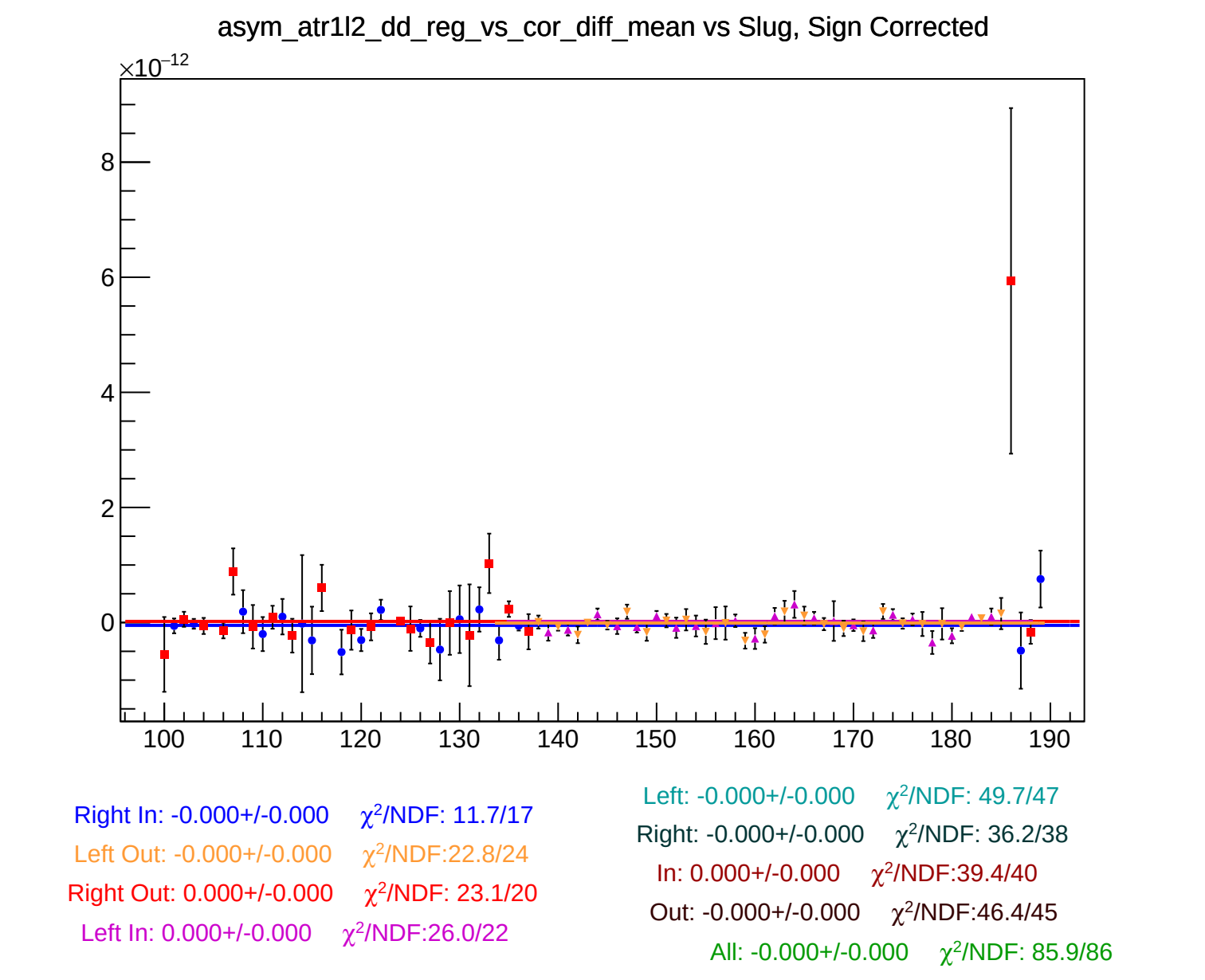
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

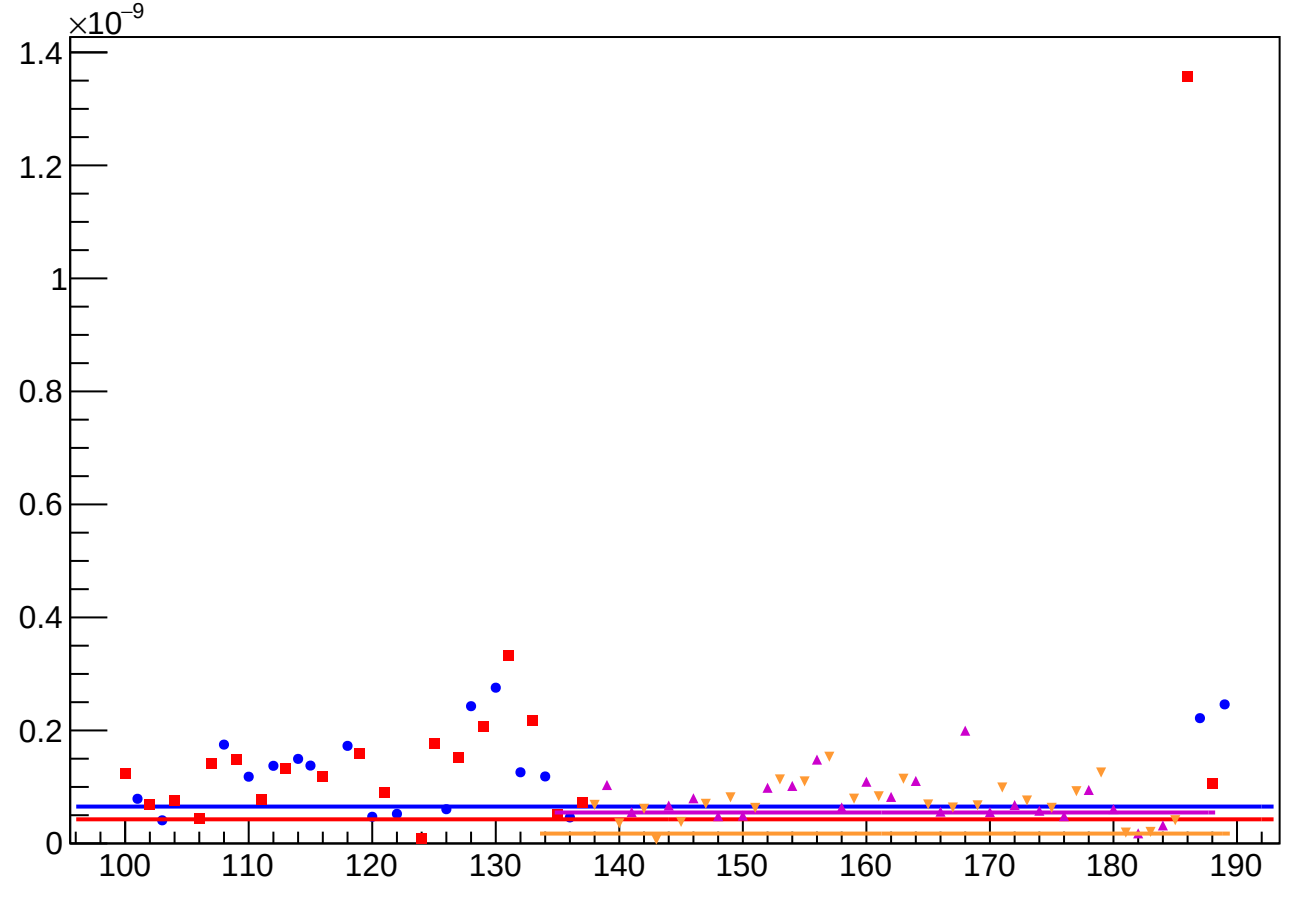
Right: 3498.935+/-0.620 χ^2/NDF: 1299952.5/38

In: 4209.445+/-0.597 χ^2/NDF:2626679.4/40

Out: 4092.019+/-0.563 χ^2/NDF:2939983.5/45

All: 4147.296+/-0.410 χ^2/NDF: 5587130.3/86


asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.7/17
Left Out: -0.000+/-0.000 χ²/NDF:22.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.1/20
Left In: 0.000+/-0.000 χ²/NDF:26.0/22
Left: -0.000+/-0.000 χ²/NDF: 49.7/47
Right: -0.000+/-0.000 χ²/NDF: 36.2/38
In: 0.000+/-0.000 χ²/NDF:39.4/40
Out: -0.000+/-0.000 χ²/NDF:46.4/45
All: -0.000+/-0.000 χ²/NDF: 85.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 1816134.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3750047.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

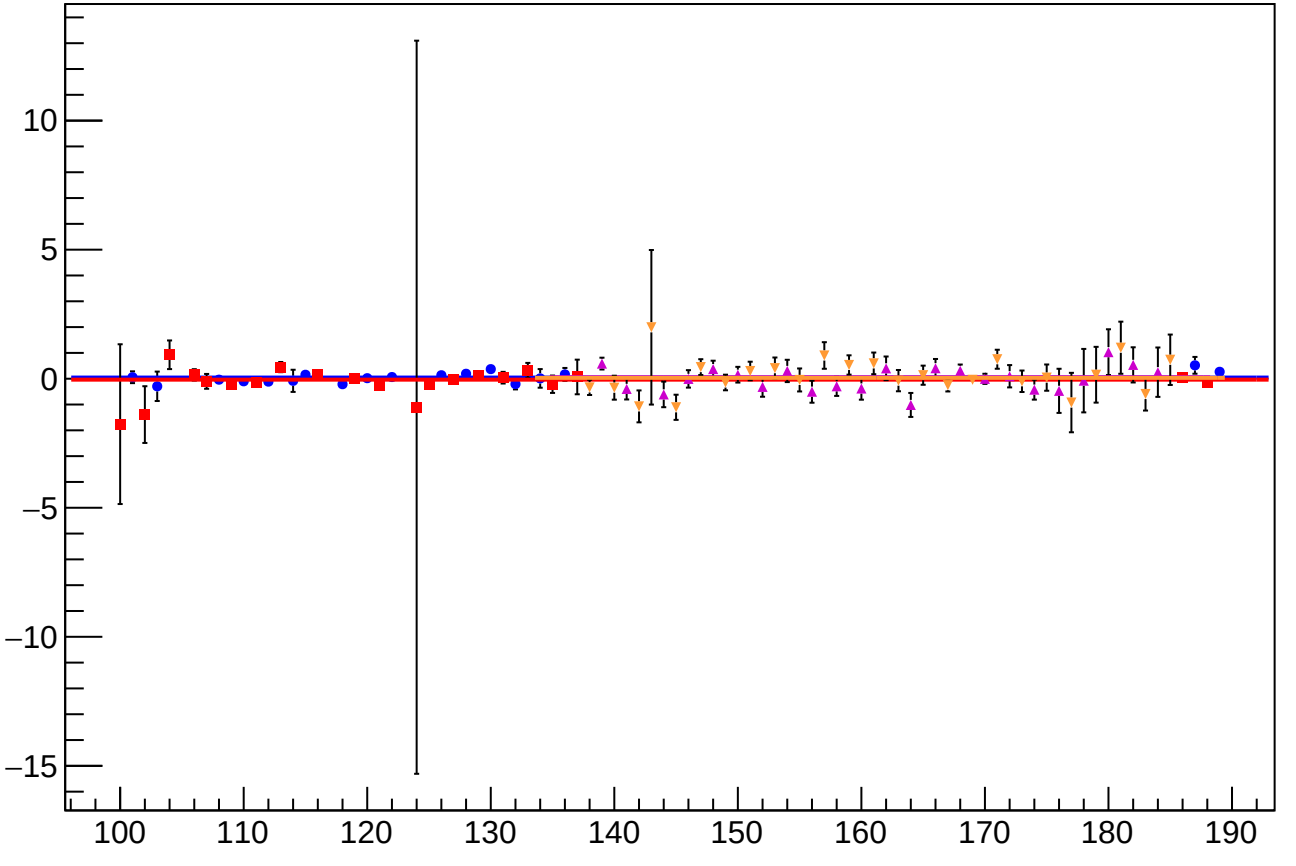
Right: 0.000+/-0.000 χ^2/NDF: 5885261.1/38

In: 0.000+/-0.000 χ^2/NDF:4702036.4/40

Out: 0.000+/-0.000 χ^2/NDF:13551842.7/45

All: 0.000+/-0.000 χ^2/NDF: 23250383.7/86

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

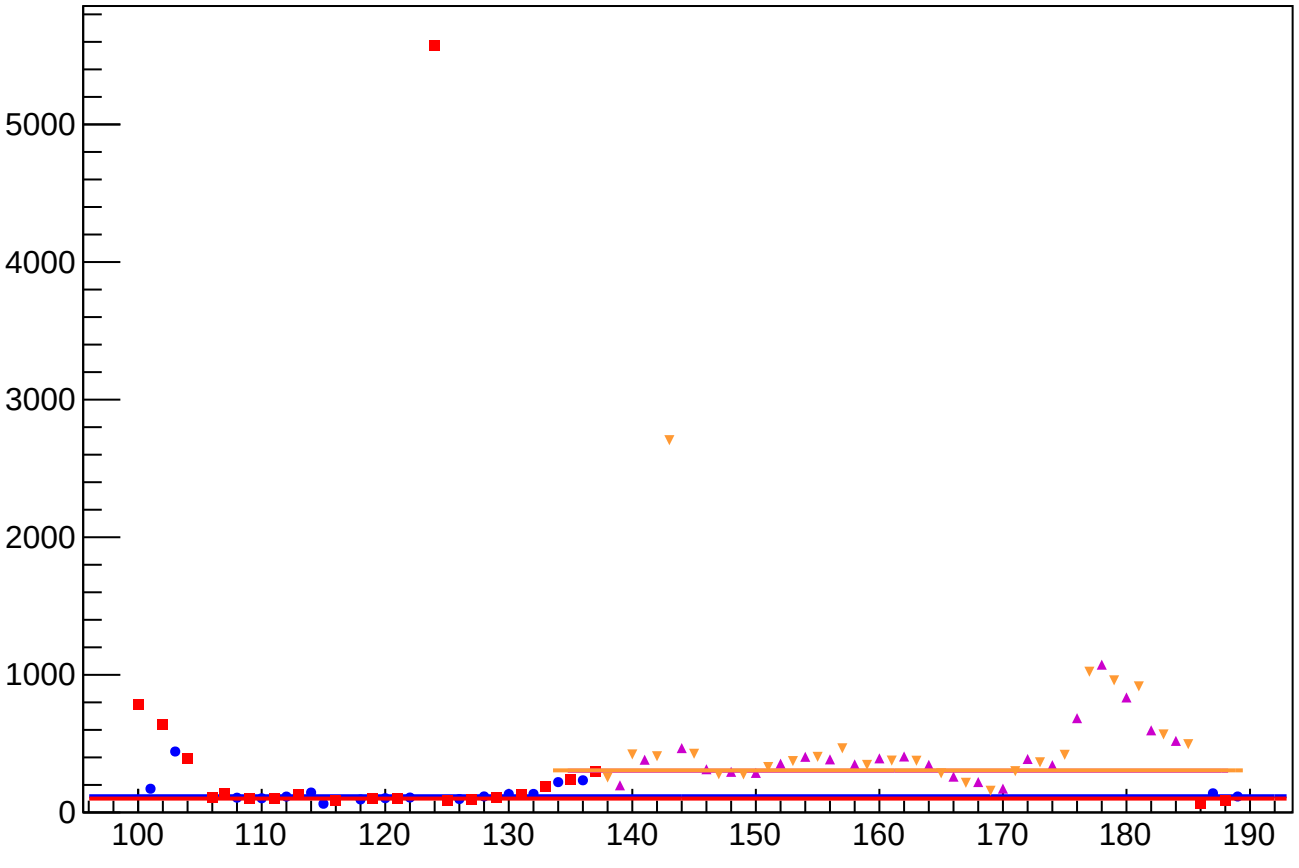
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: -0.002+/-0.030 χ^2/NDF: 41.8/38

In: 0.048+/-0.039 χ^2/NDF:42.2/40

Out: -0.022+/-0.035 χ^2/NDF:55.0/45

All: 0.009+/-0.026 χ^2/NDF: 99.0/86



Right In: 117.942+/-0.032 χ^2/NDF: 1731222.7/17

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 100.764+/-0.028 χ^2/NDF: 2617456.4/20

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

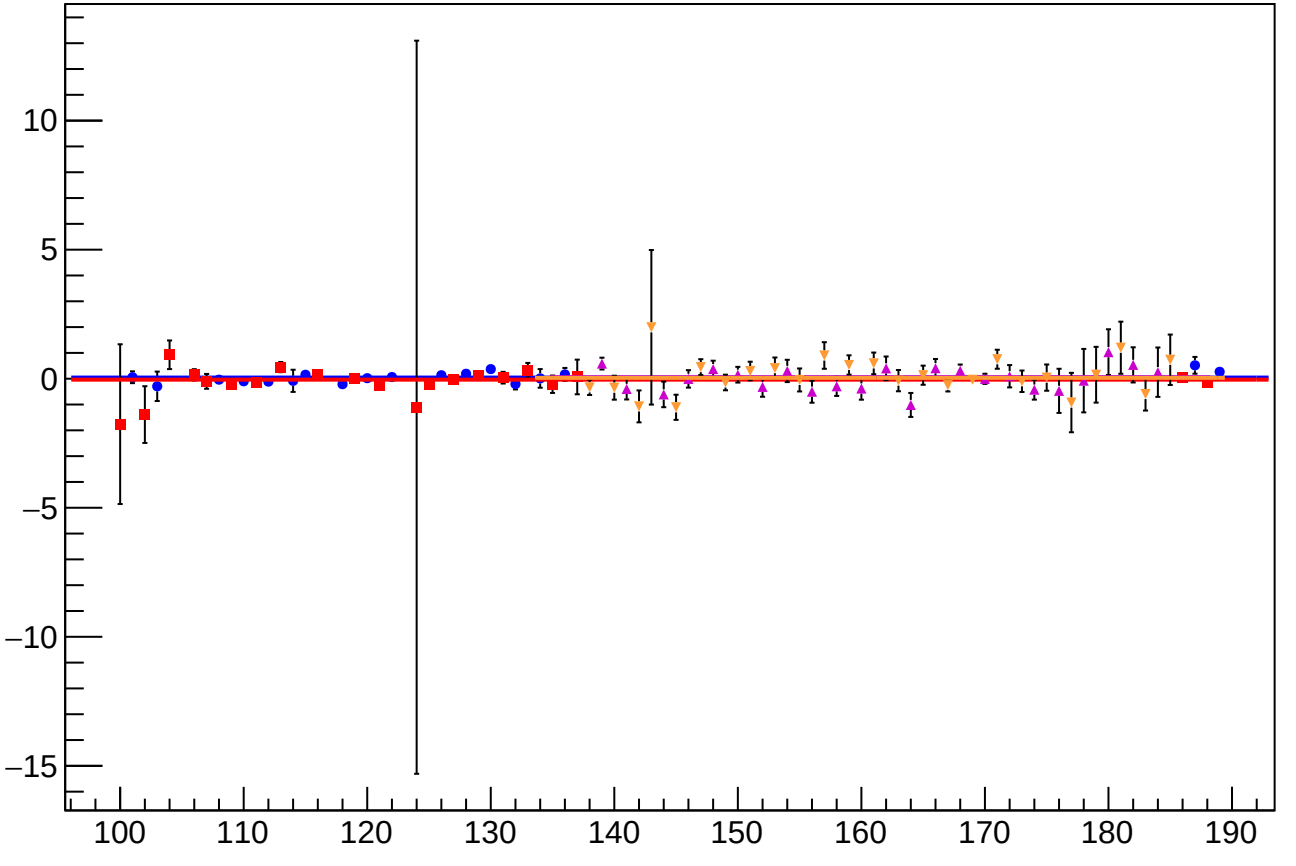
Right: 108.034+/-0.021 χ^2/NDF: 4512941.1/38

In: 165.665+/-0.028 χ^2/NDF:15080060.2/40

Out: 141.845+/-0.025 χ^2/NDF:20339390.2/45

All: 152.360+/-0.018 χ^2/NDF: 35831367.7/86

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

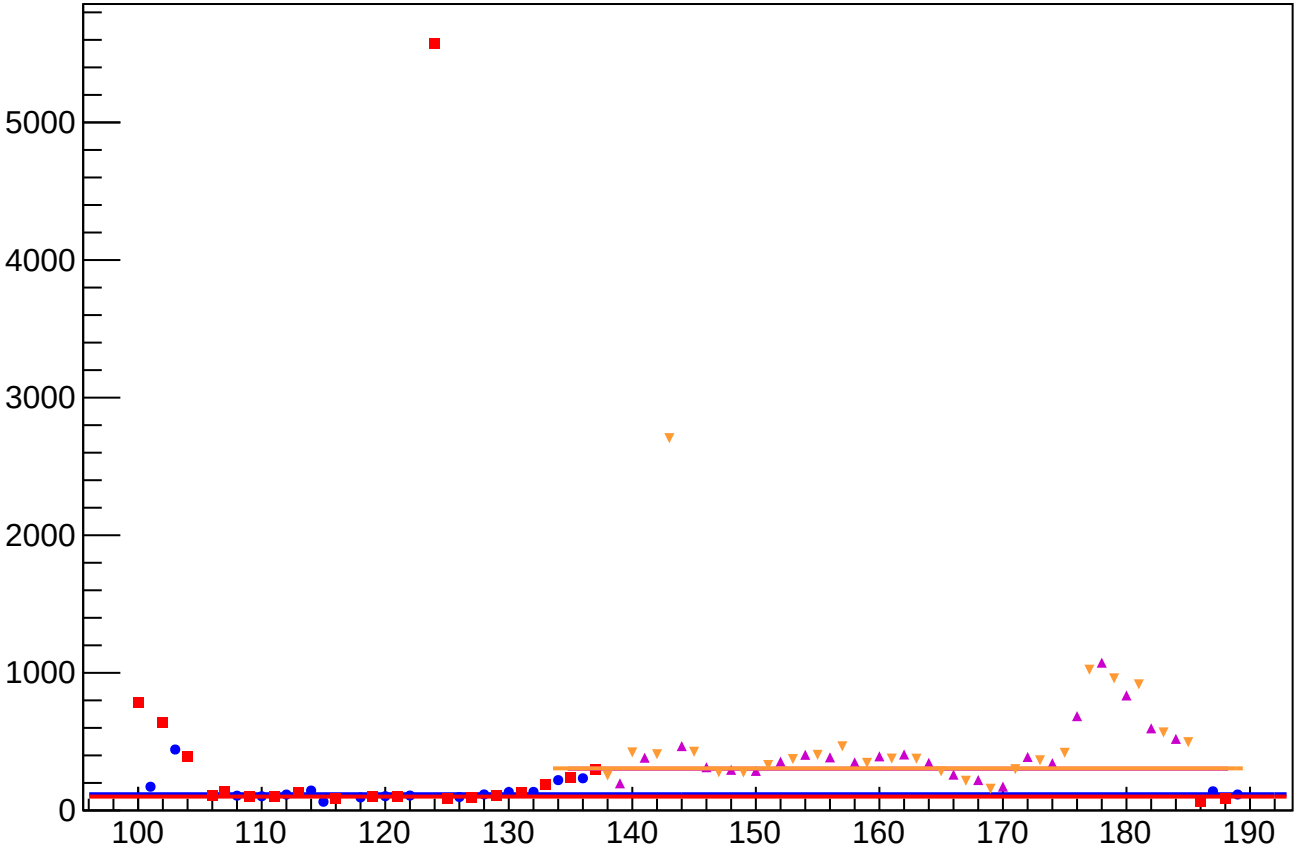
Right: -0.002+/-0.030 χ^2/NDF: 41.8/38

In: 0.048+/-0.039 χ^2/NDF:42.2/40

Out: -0.022+/-0.035 χ^2/NDF:55.0/45

All: 0.009+/-0.026 χ^2/NDF: 99.0/86

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.942+/-0.032 χ^2/NDF: 1731222.7/17

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 100.764+/-0.028 χ^2/NDF: 2617456.4/20

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

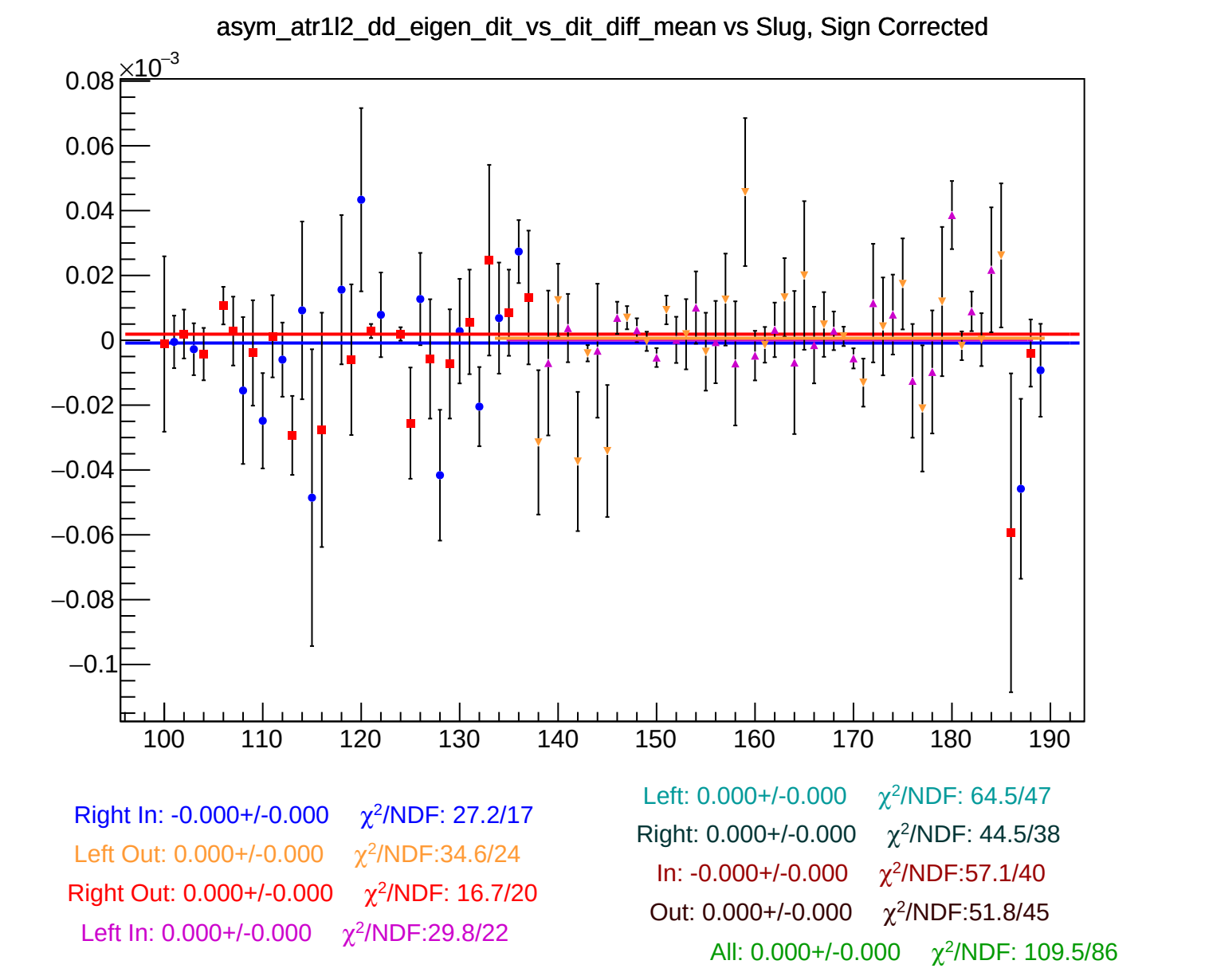
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 108.034+/-0.021 χ^2/NDF: 4512941.1/38

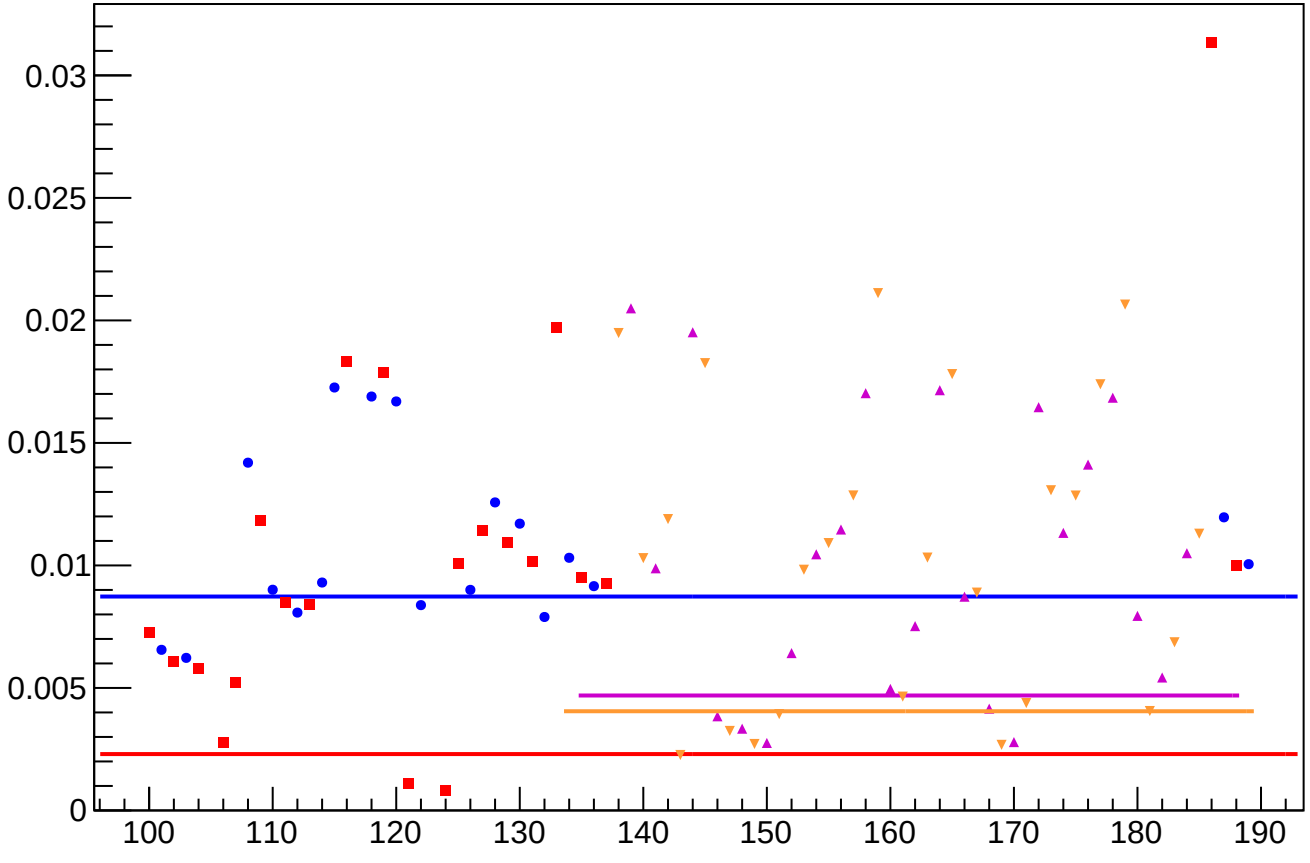
In: 165.665+/-0.028 χ^2/NDF:15080060.2/40

Out: 141.845+/-0.025 χ^2/NDF:20339390.2/45

All: 152.360+/-0.018 χ^2/NDF: 35831367.7/86


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
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 27.2/17
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.7/20
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: 44.5/38
In: -0.000+/-0.000 χ²/NDF:57.1/40
Out: 0.000+/-0.000 χ²/NDF:51.8/45
All: 0.000+/-0.000 χ²/NDF: 109.5/86

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1160964.7/17

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10916956.5/20

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

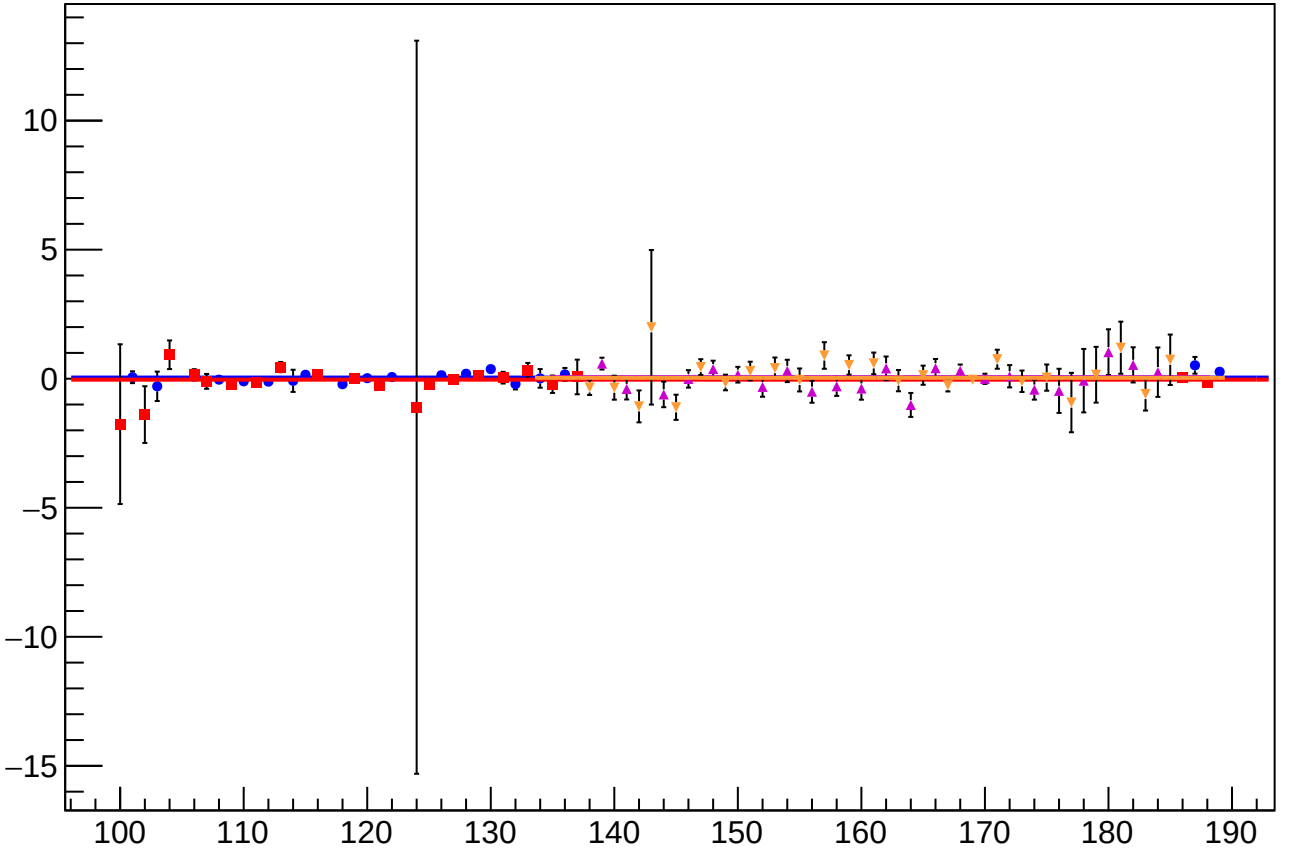
Right: 0.003+/-0.000 χ^2/NDF: 18747513.5/38

In: 0.005+/-0.000 χ^2/NDF:14610161.2/40

Out: 0.003+/-0.000 χ^2/NDF:26390057.9/45

All: 0.004+/-0.000 χ^2/NDF: 44453739.3/86

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

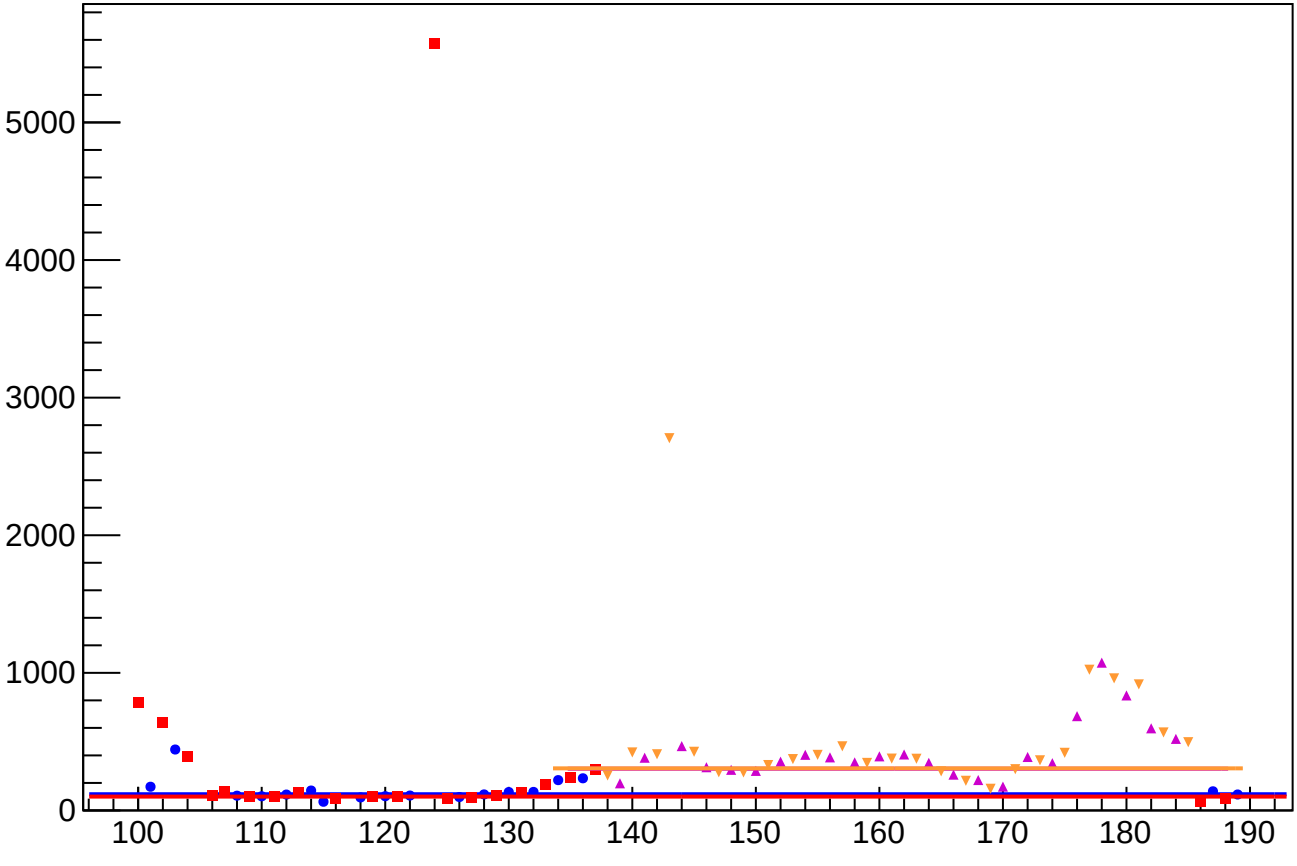
Right: -0.002+/-0.030 χ^2/NDF: 41.8/38

In: 0.048+/-0.039 χ^2/NDF:42.2/40

Out: -0.022+/-0.035 χ^2/NDF:55.0/45

All: 0.009+/-0.026 χ^2/NDF: 99.0/86

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.943+/-0.032 χ^2/NDF: 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 100.765+/-0.028 χ^2/NDF: 2617335.5/20

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

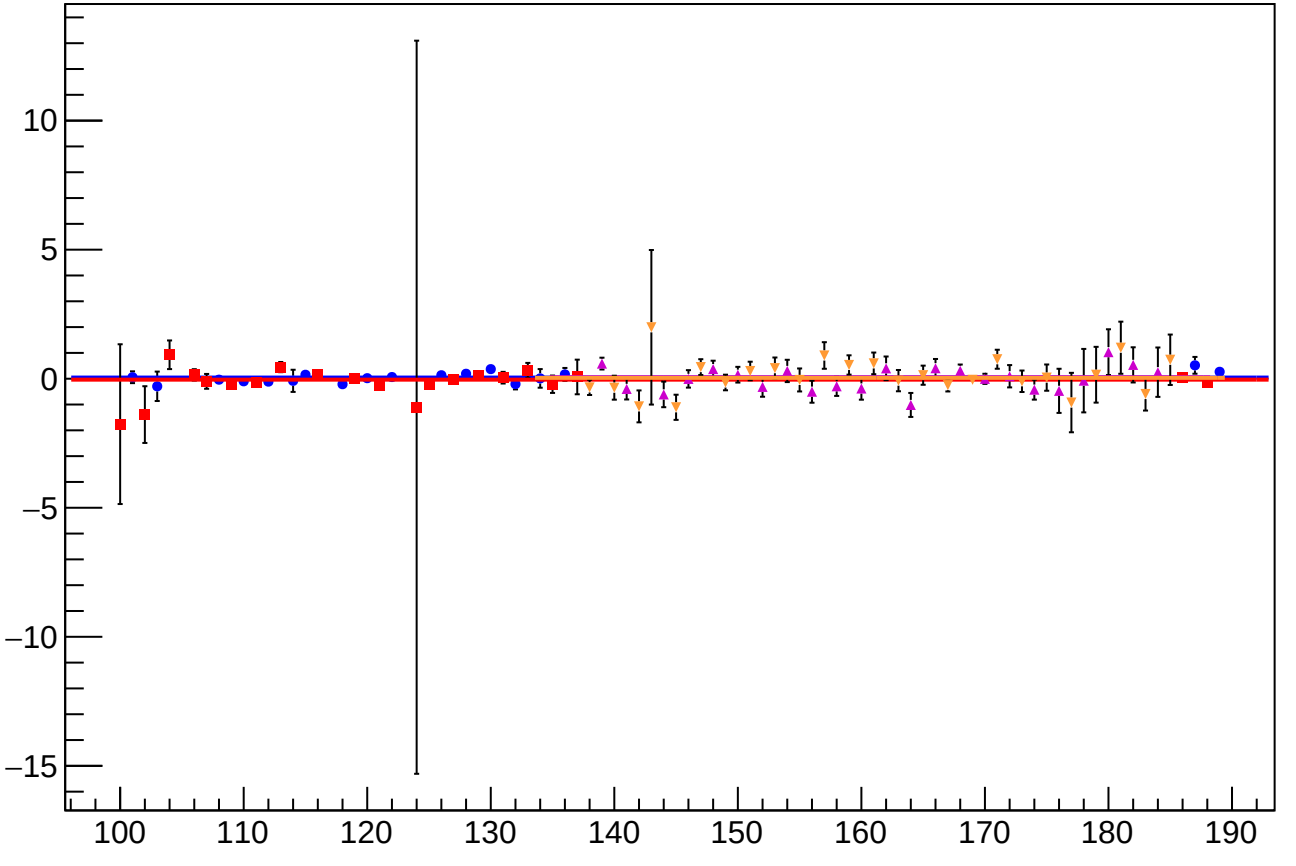
Right: 108.035+/-0.021 χ^2/NDF: 4512762.7/38

In: 165.665+/-0.028 χ^2/NDF:15080125.8/40

Out: 141.846+/-0.025 χ^2/NDF:20339237.9/45

All: 152.361+/-0.018 χ^2/NDF: 35831244.6/86

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.046 χ^2/NDF: 16.2/17

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

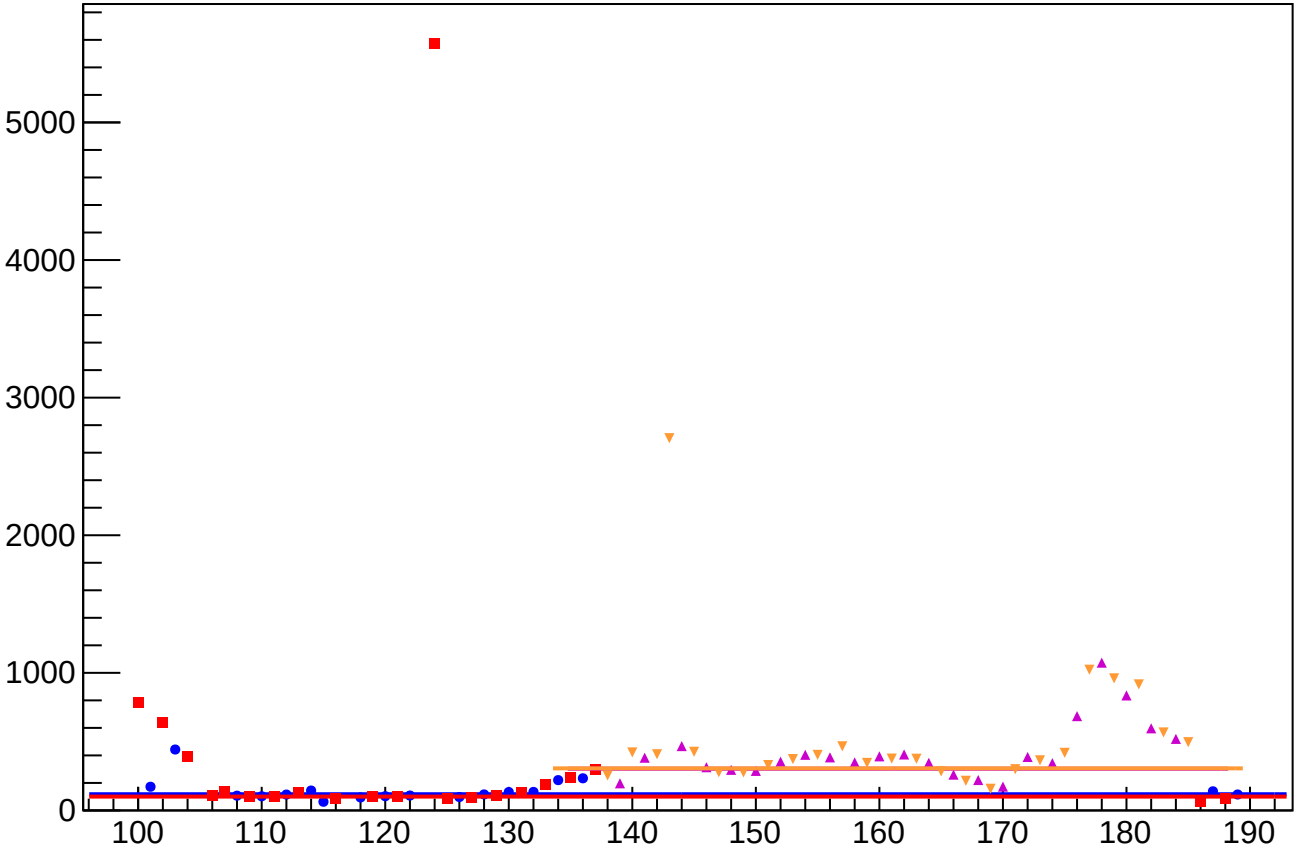
Right: -0.002+/-0.030 χ^2/NDF: 41.8/38

In: 0.048+/-0.039 χ^2/NDF:42.2/40

Out: -0.022+/-0.035 χ^2/NDF:55.0/45

All: 0.009+/-0.026 χ^2/NDF: 99.0/86

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.943+/-0.032 χ^2/NDF: 1731187.7/17

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 100.765+/-0.028 χ^2/NDF: 2617335.5/20

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

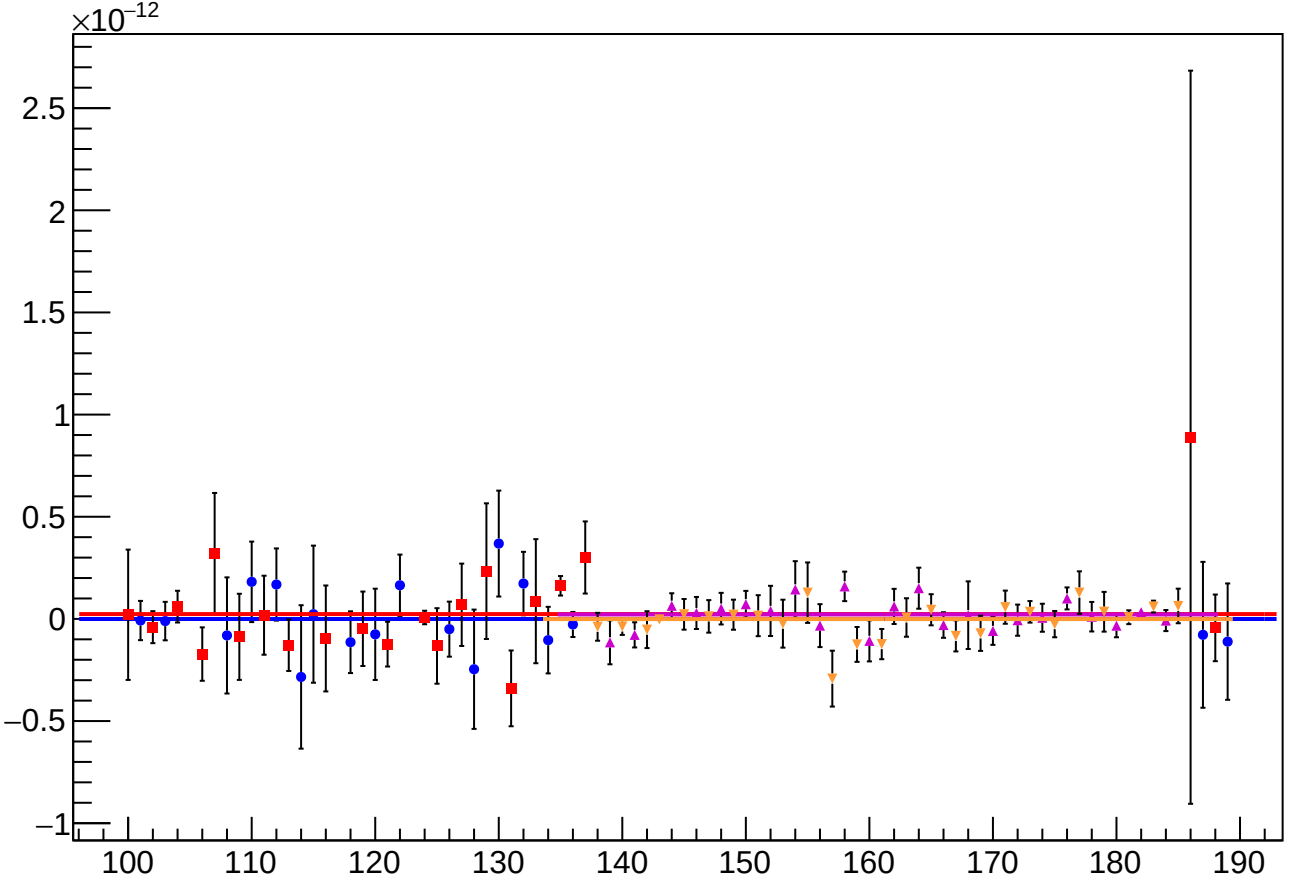
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 108.035+/-0.021 χ^2/NDF: 4512762.7/38

In: 165.665+/-0.028 χ^2/NDF:15080125.8/40

Out: 141.846+/-0.025 χ^2/NDF:20339237.9/45

All: 152.361+/-0.018 χ^2/NDF: 35831244.6/86



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/20

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

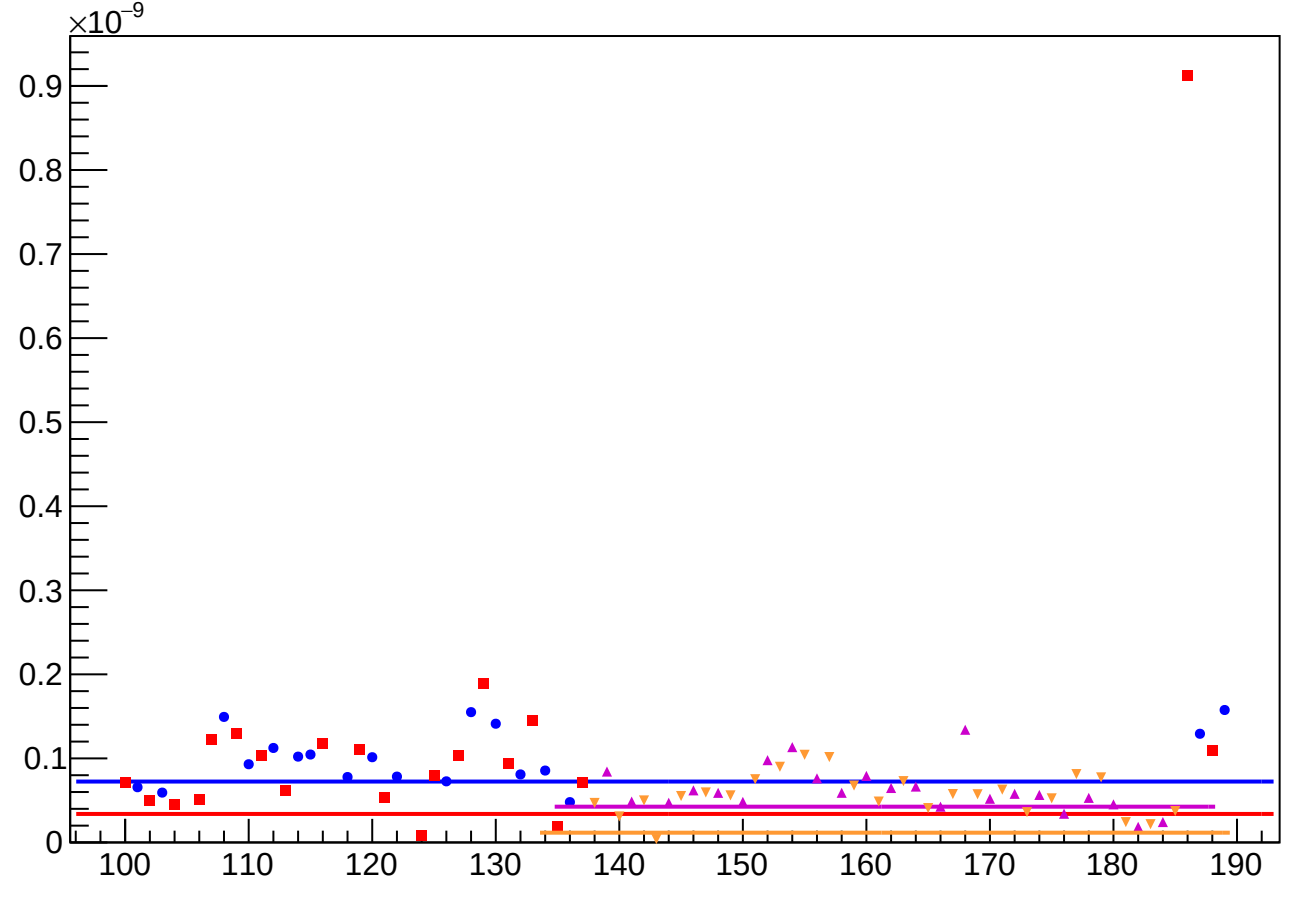
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 34.3/38

In: 0.000+/-0.000 χ^2/NDF:29.2/40

Out: 0.000+/-0.000 χ^2/NDF:47.9/45

All: 0.000+/-0.000 χ^2/NDF: 78.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 1258445.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5366276.7/20

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

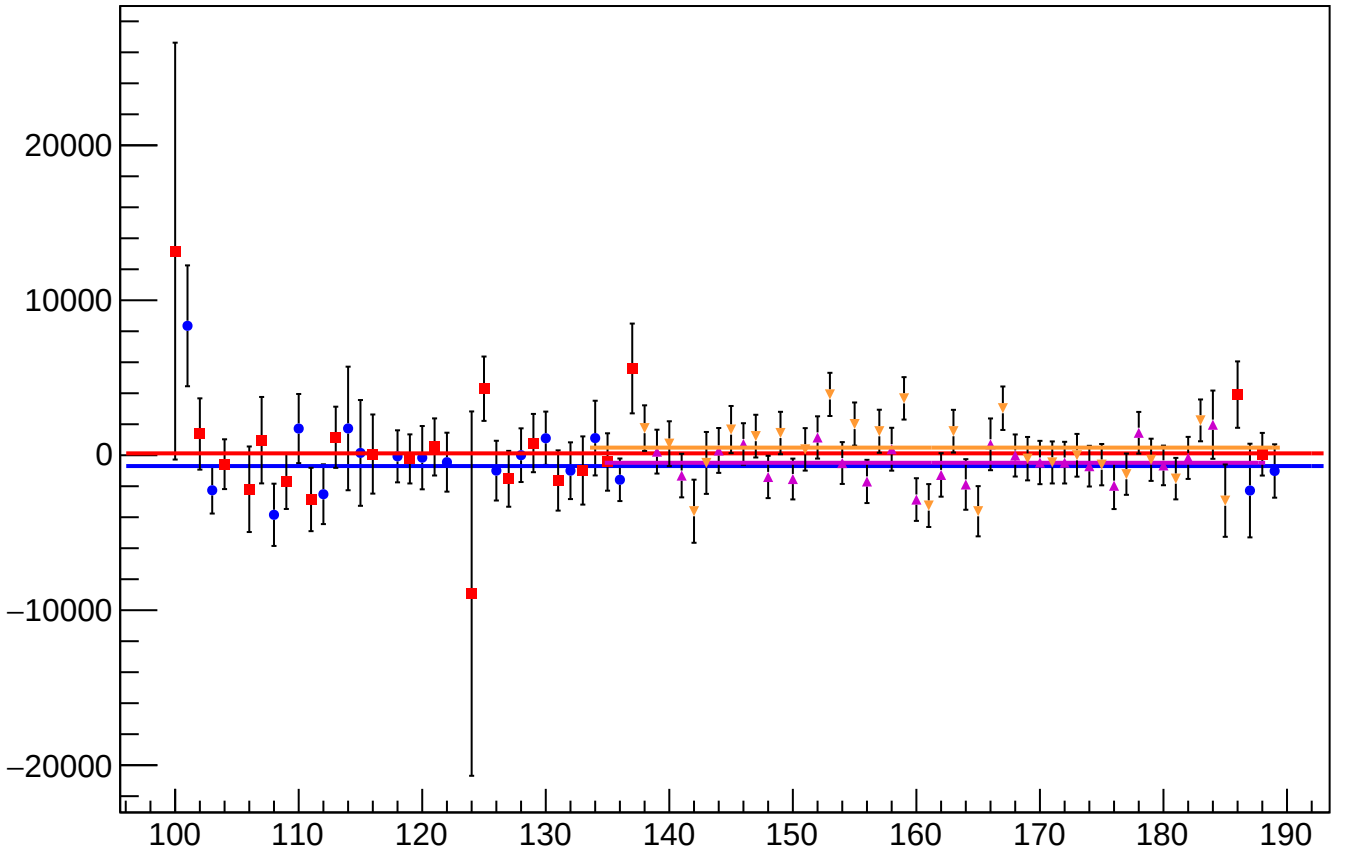
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 8460683.7/38

In: 0.000+/-0.000 χ^2/NDF:8019018.7/40

Out: 0.000+/-0.000 χ^2/NDF:25241496.6/45

All: 0.000+/-0.000 χ^2/NDF: 45275201.2/86



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 121.728+/-449.522 χ^2/NDF: 19.2/20

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

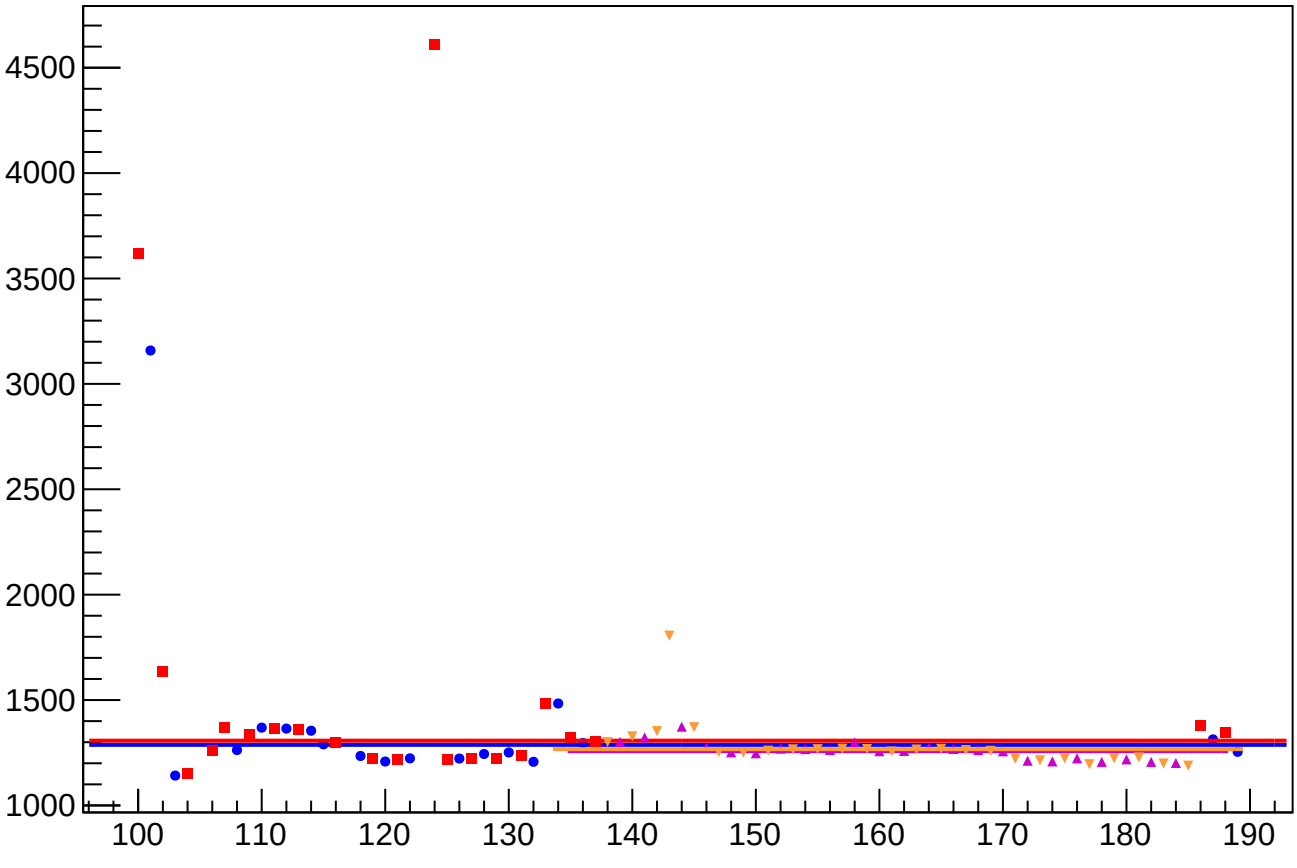
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -274.711+/-323.030 χ^2/NDF: 35.0/38

In: -547.163+/-248.284 χ^2/NDF:28.8/40

Out: 384.026+/-242.794 χ^2/NDF:66.5/45

All: -71.161+/-173.590 χ^2/NDF: 102.5/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

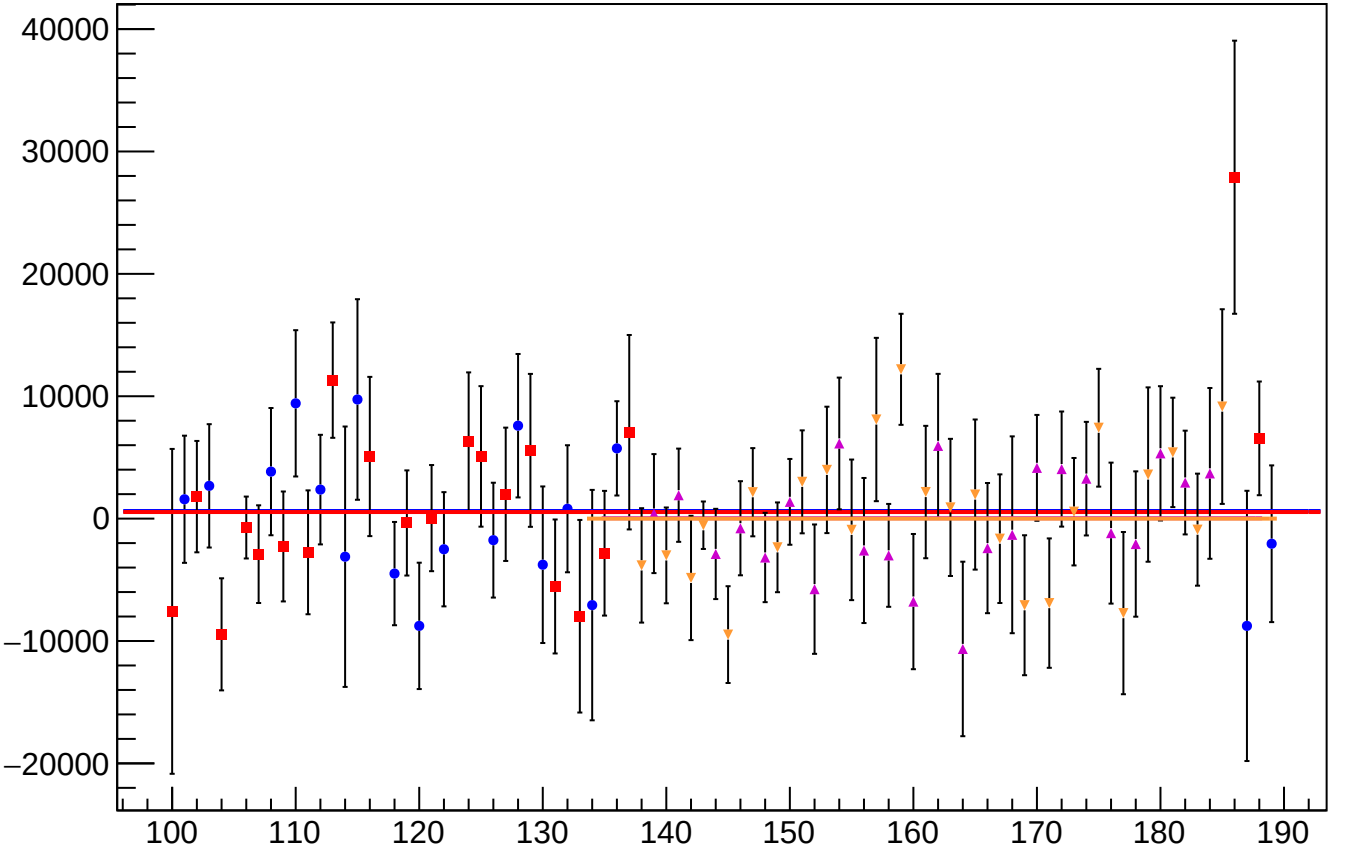
Right: 1297.714+/-0.228 χ^2/NDF: 841324.2/38

In: 1266.101+/-0.176 χ^2/NDF:558336.5/40

Out: 1278.759+/-0.172 χ^2/NDF:522818.3/45

All: 1272.575+/-0.123 χ^2/NDF: 1083813.7/86

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

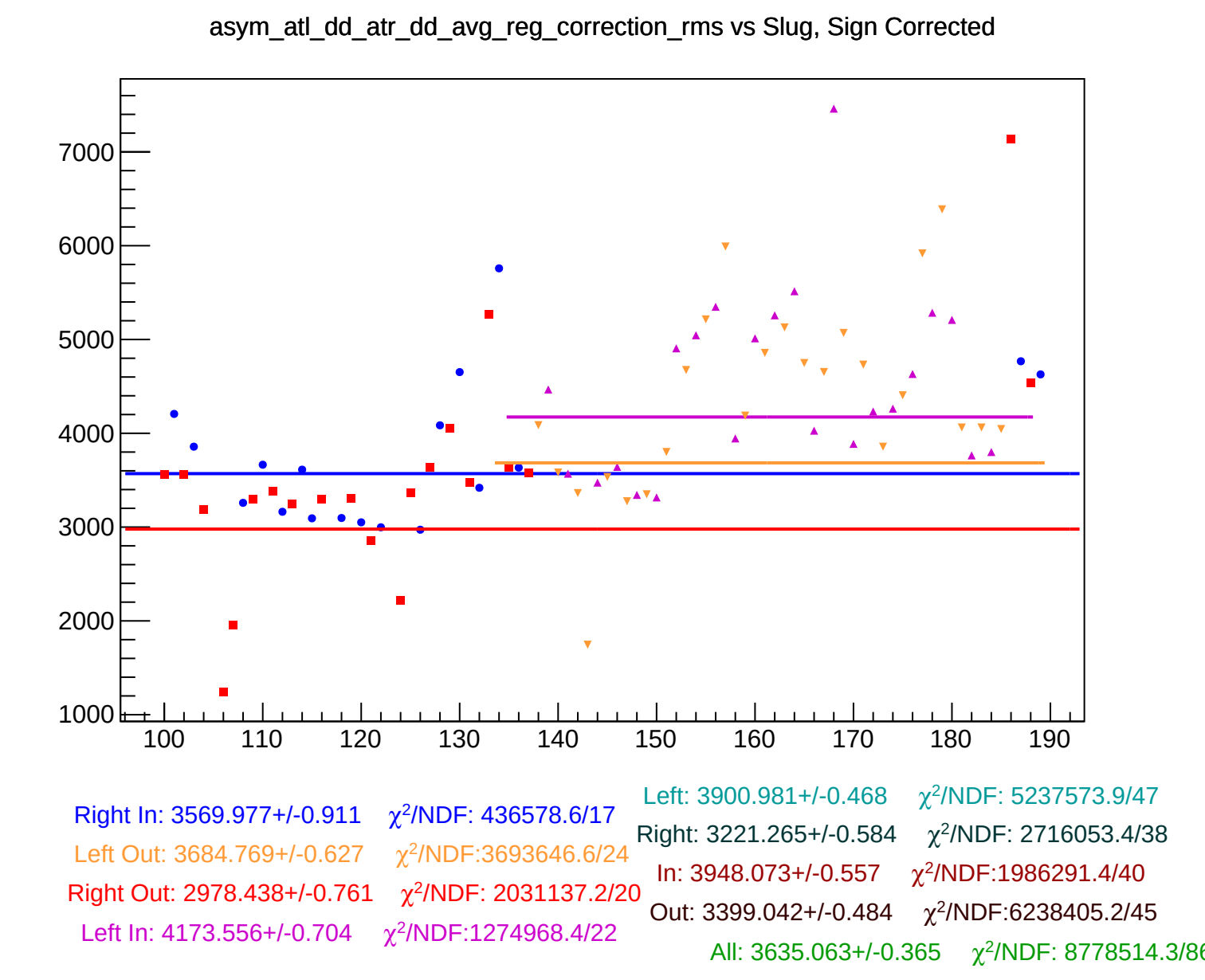
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

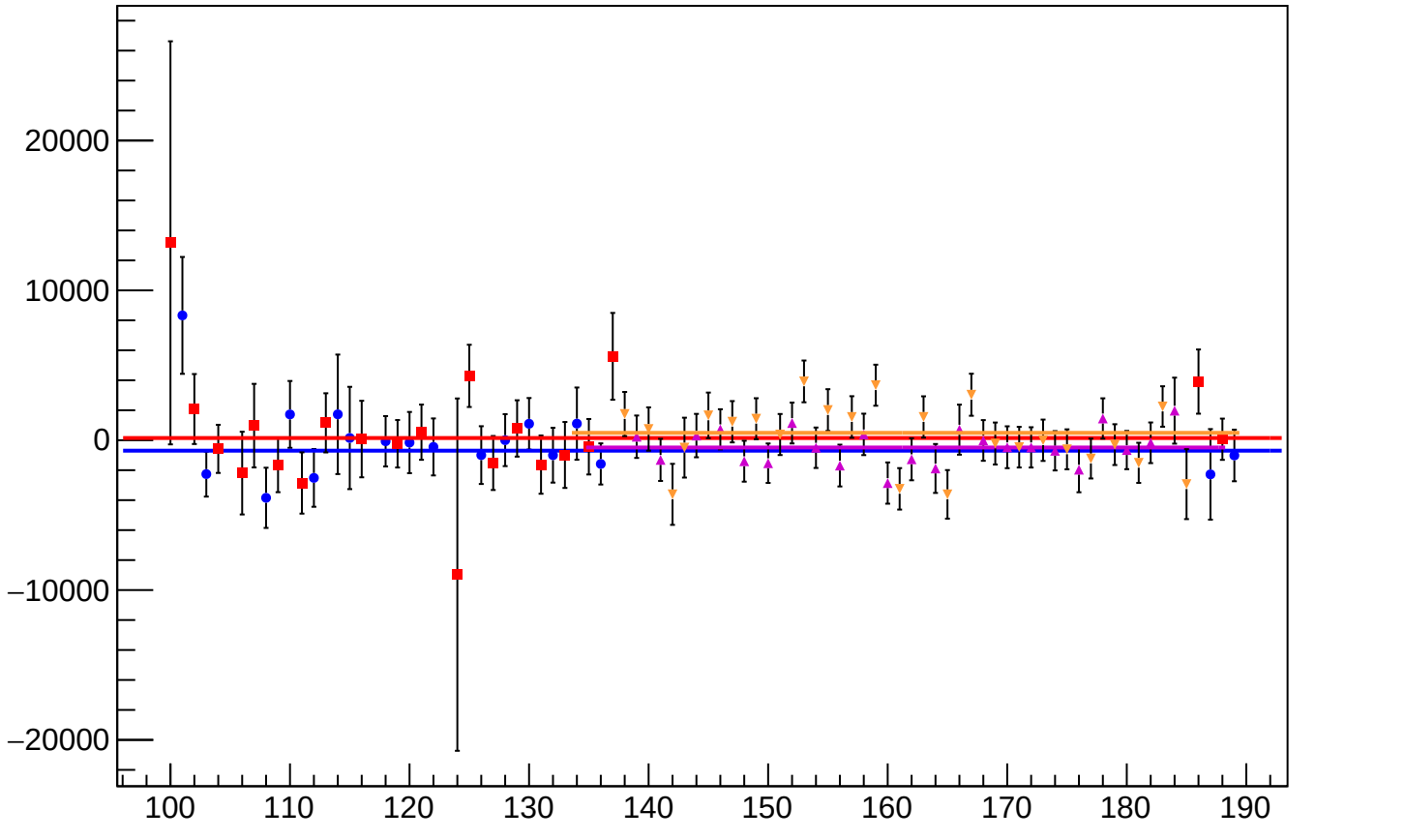
Right: 572.057+/-825.802 χ^2/NDF: 41.3/38

In: 251.592+/-787.787 χ^2/NDF:29.1/40

Out: 217.406+/-684.078 χ^2/NDF:55.6/45

All: 232.102+/-516.519 χ^2/NDF: 84.7/86


asym_atl_dd_atr_dd_avg_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 3569.977+/-0.911 χ²/NDF: 436578.6/17
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 2978.438+/-0.761 χ²/NDF: 2031137.2/20
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3221.265+/-0.584 χ²/NDF: 2716053.4/38
In: 3948.073+/-0.557 χ²/NDF:1986291.4/40
Out: 3399.042+/-0.484 χ²/NDF:6238405.2/45
All: 3635.063+/-0.365 χ²/NDF: 8778514.3/86



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

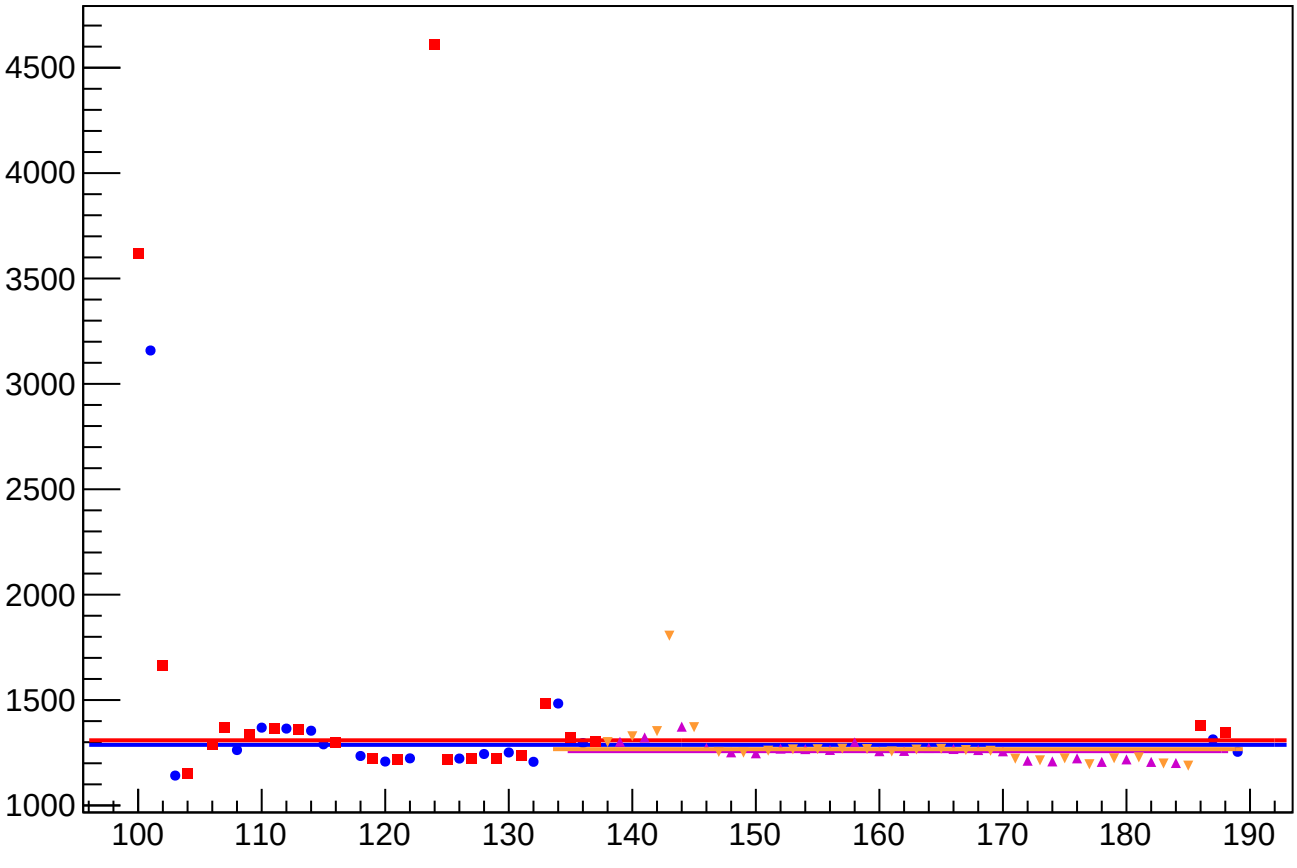
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -262.293+/-323.124 χ^2/NDF: 35.5/38

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -67.501+/-173.604 χ^2/NDF: 103.0/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

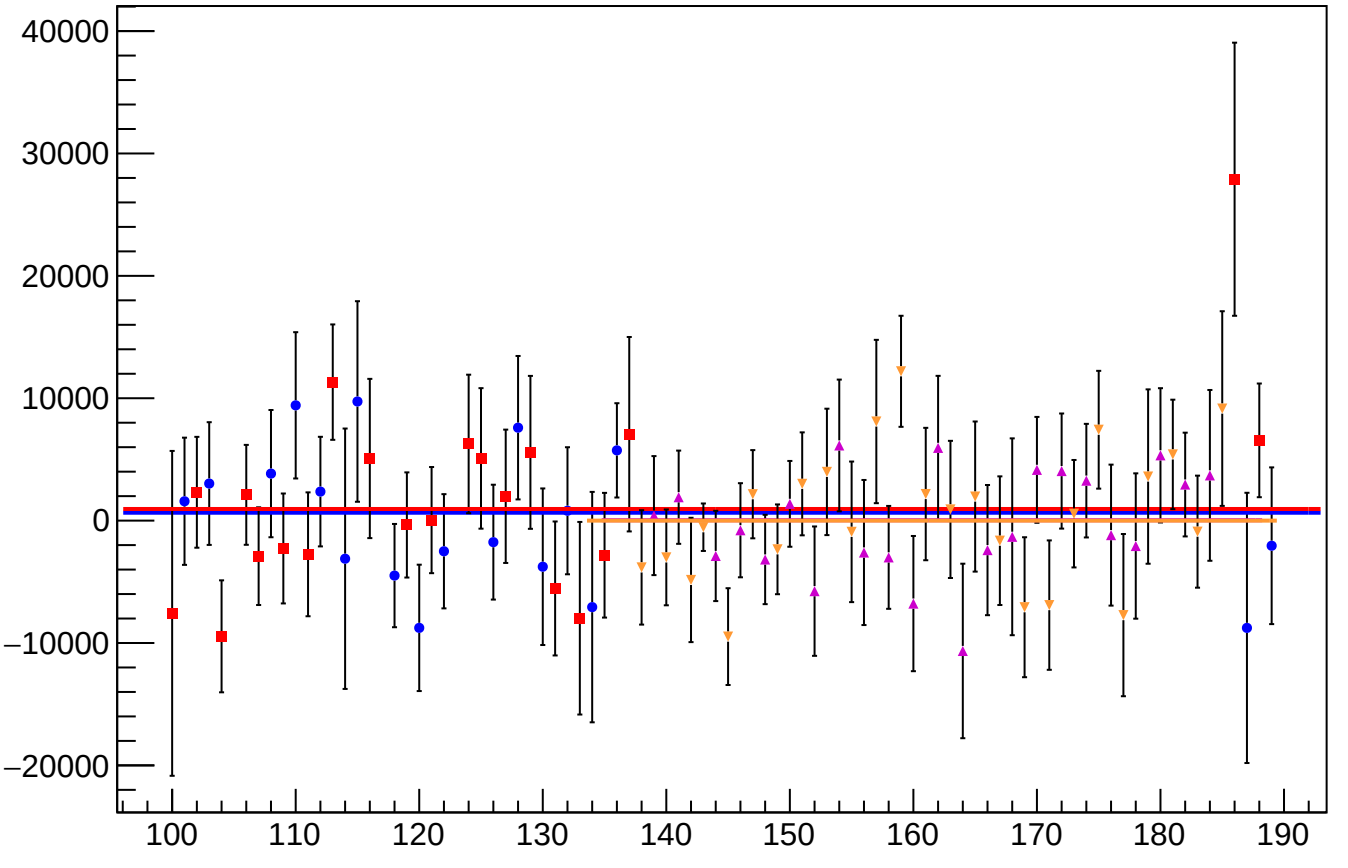
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1298.604+/-0.228 χ^2/NDF: 847910.1/38

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

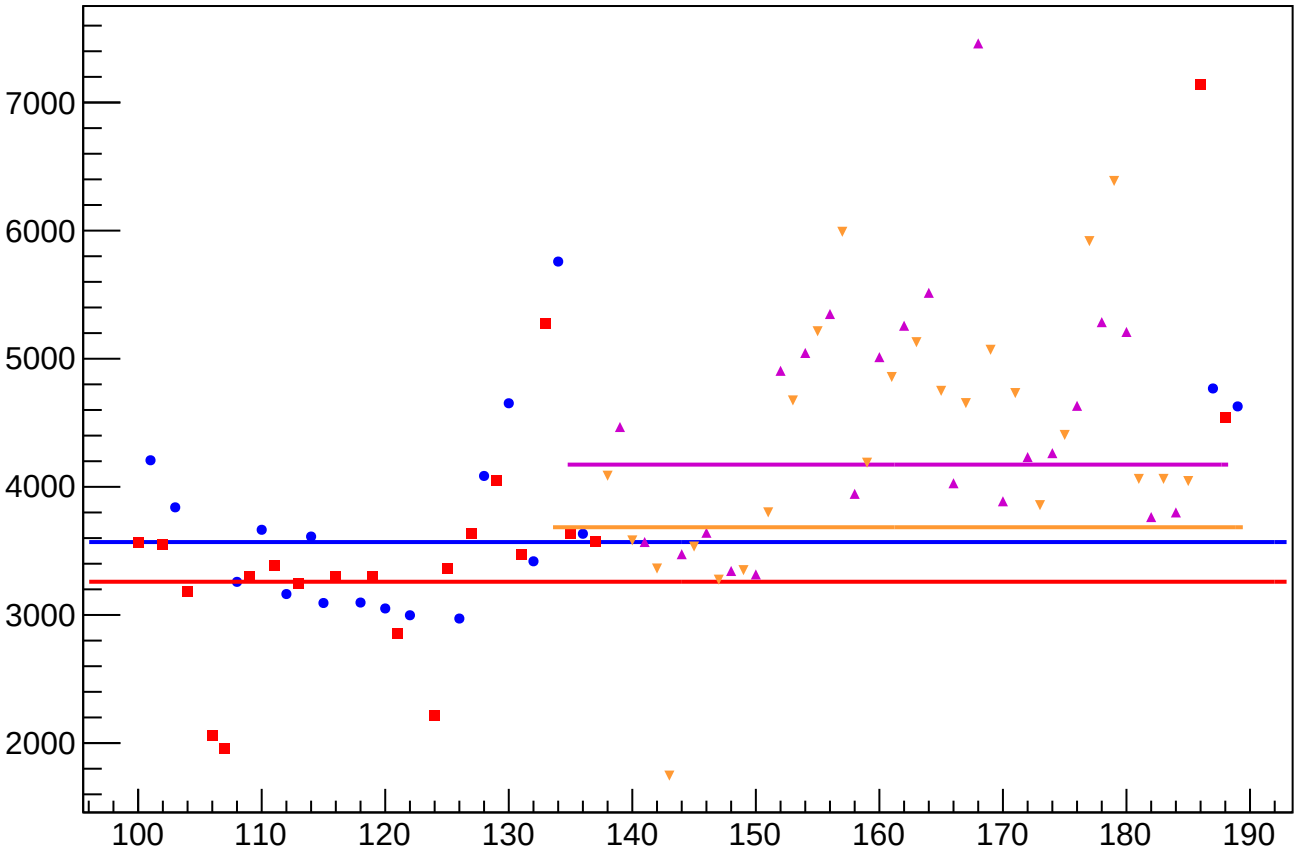
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 816.403+/-854.026 χ^2/NDF: 41.3/38

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 314.965+/-523.214 χ^2/NDF: 84.9/86



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

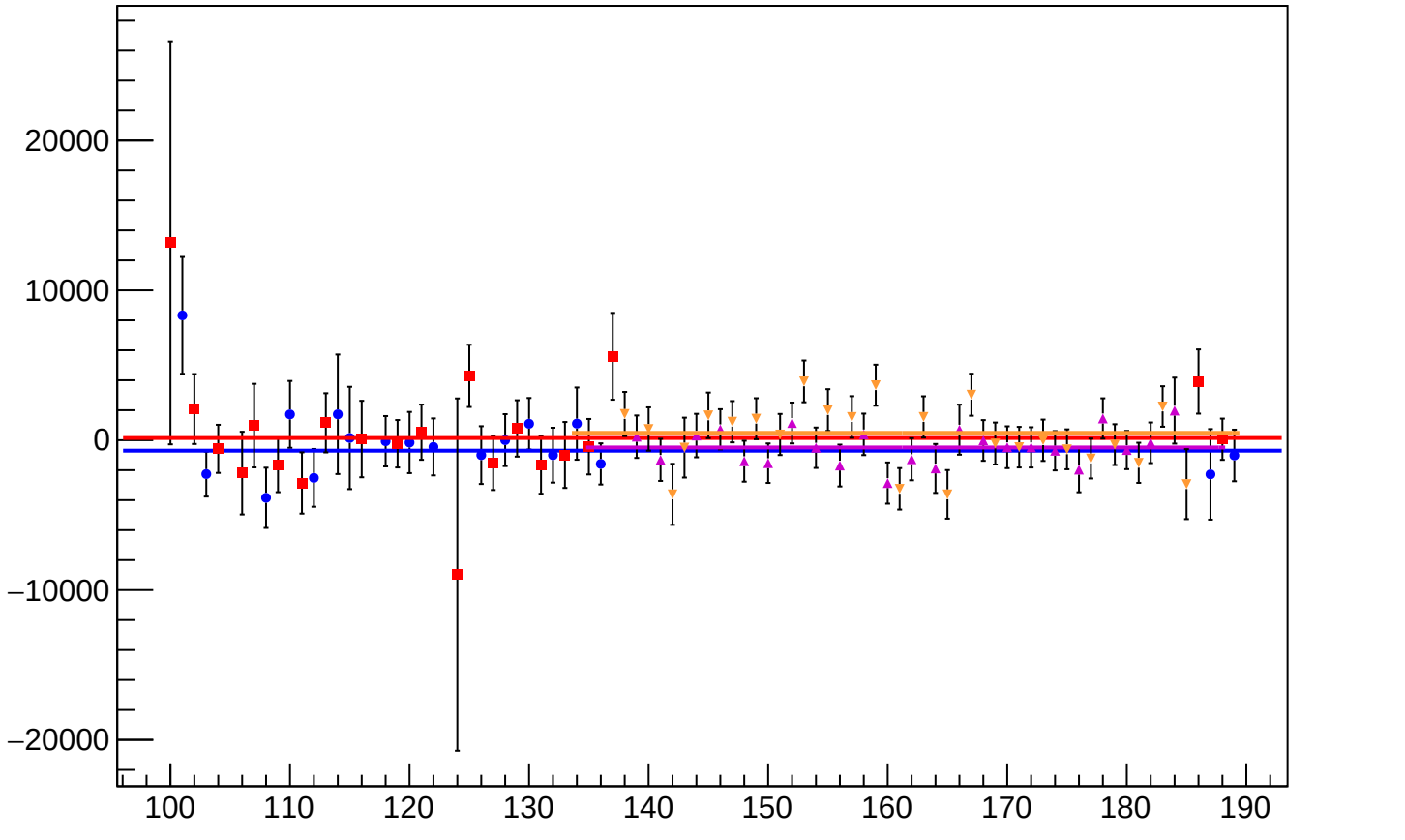
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3395.397+/-0.604 χ^2/NDF: 1567181.0/38

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

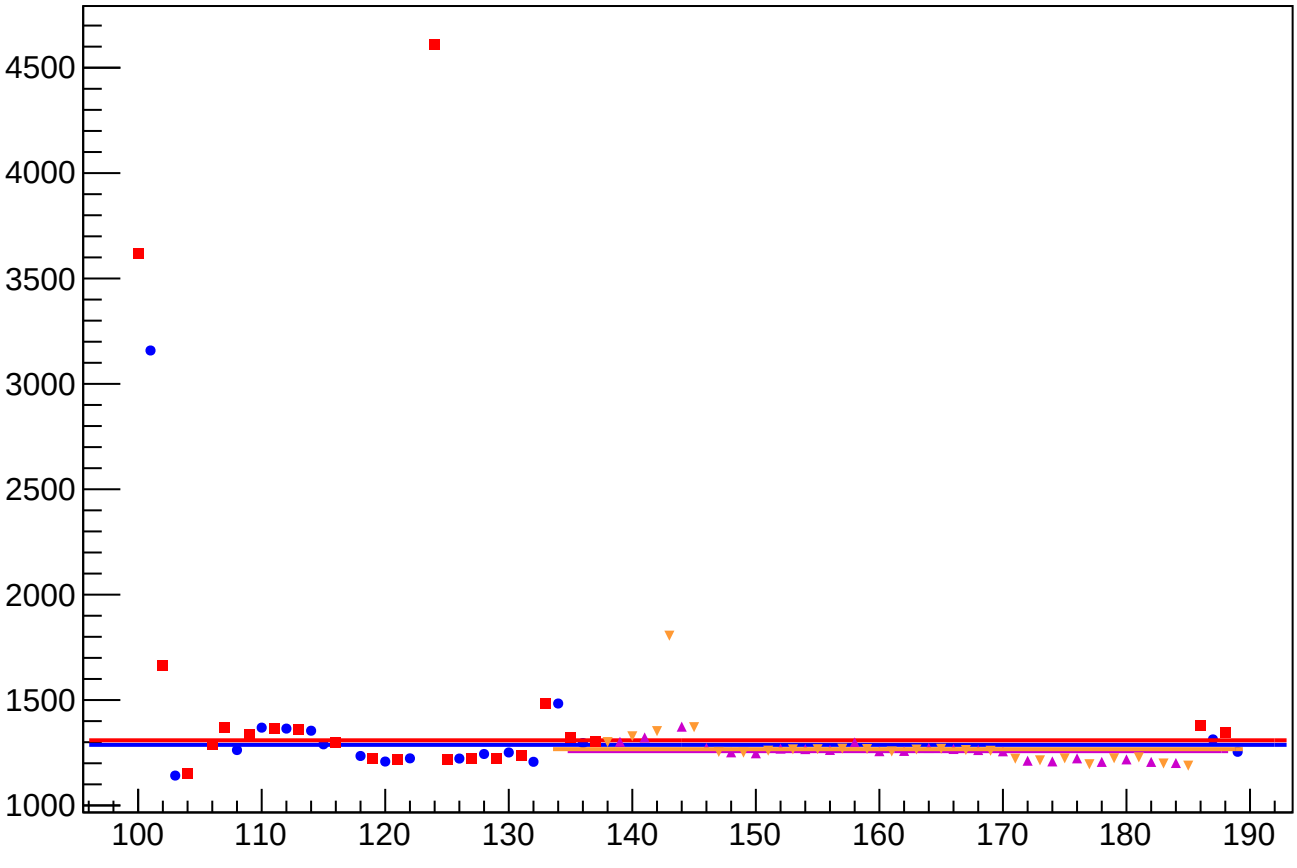
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -262.293+/-323.124 χ^2/NDF: 35.5/38

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -67.501+/-173.604 χ^2/NDF: 103.0/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

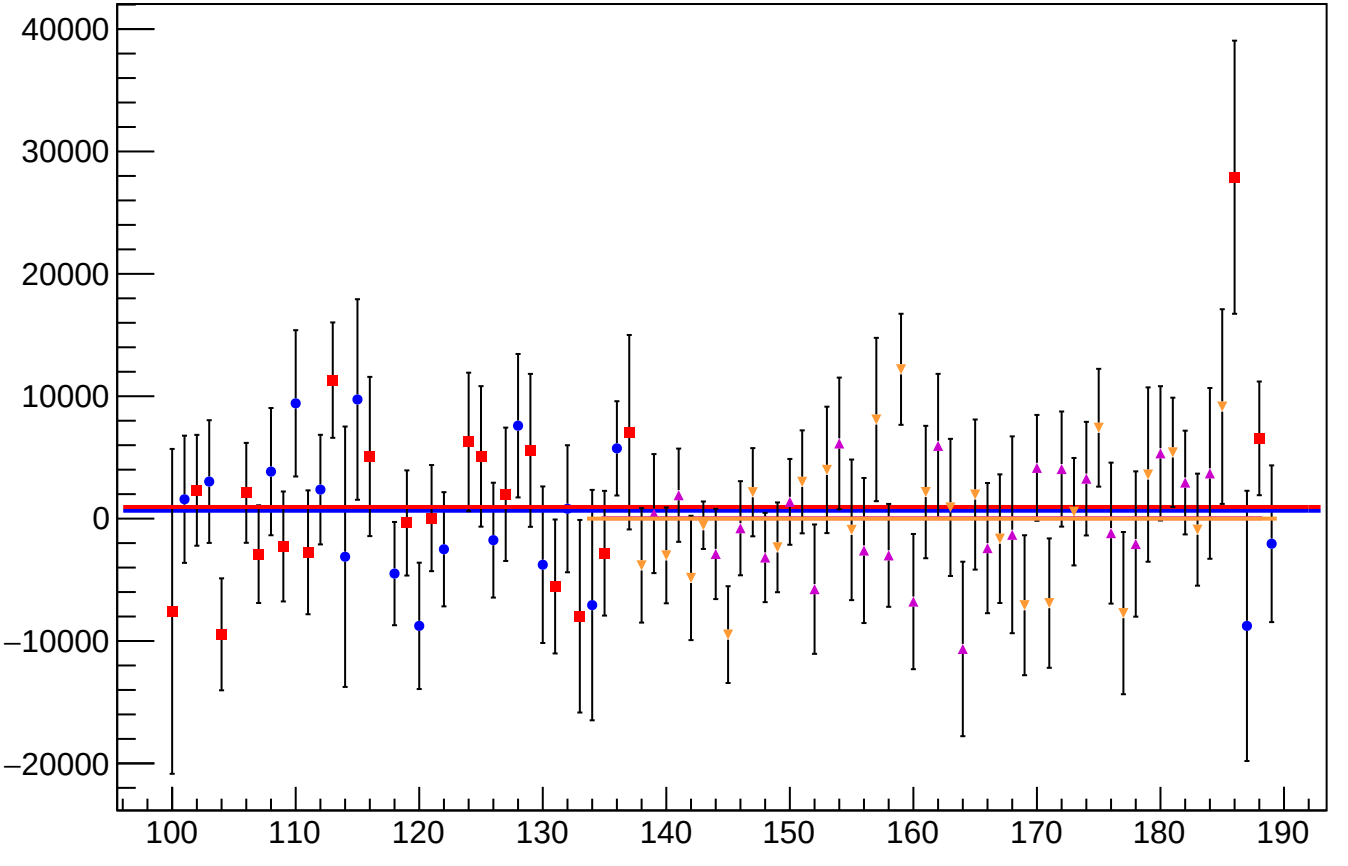
Right: 1298.604+/-0.228 χ^2/NDF: 847910.1/38

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

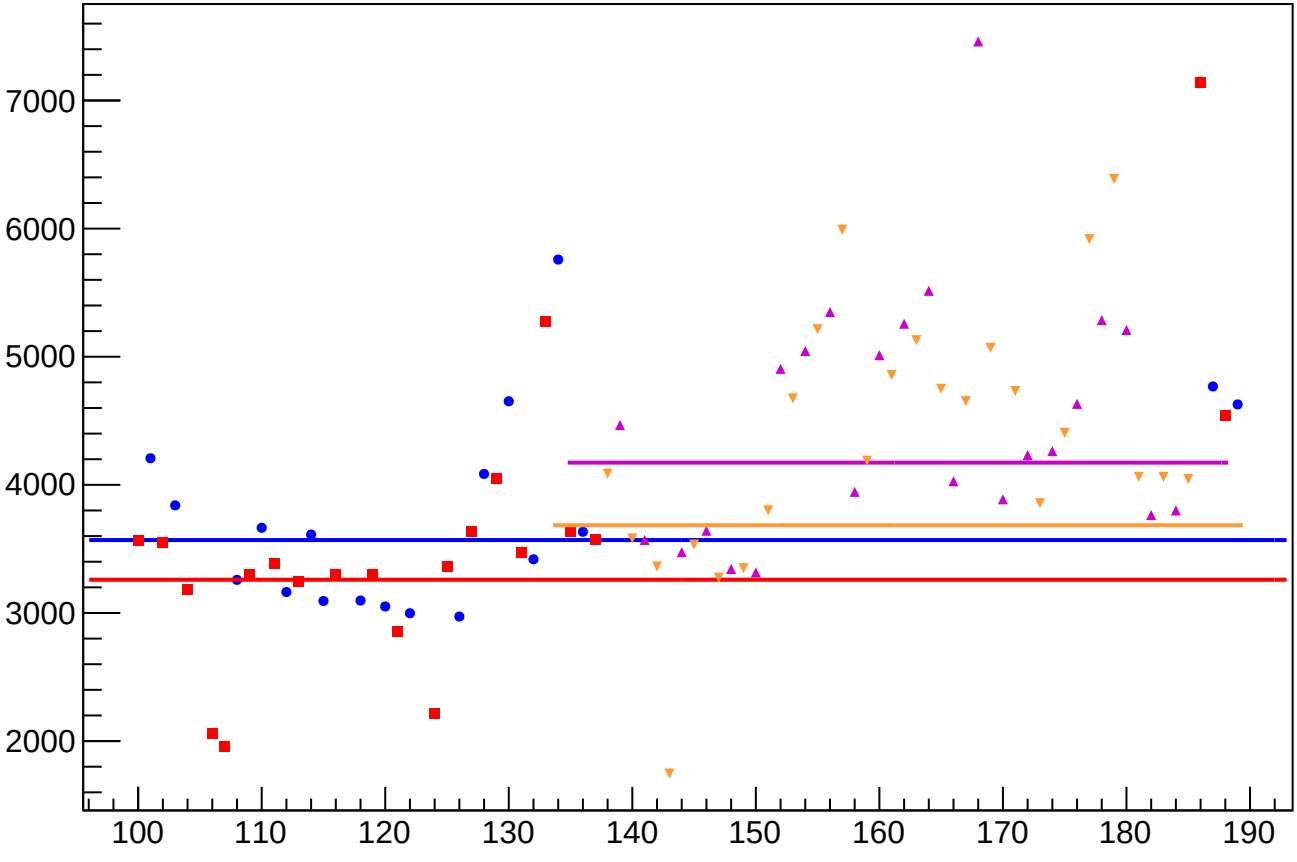
Right: 816.403+/-854.026 χ^2/NDF: 41.3/38

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 314.965+/-523.214 χ^2/NDF: 84.9/86

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

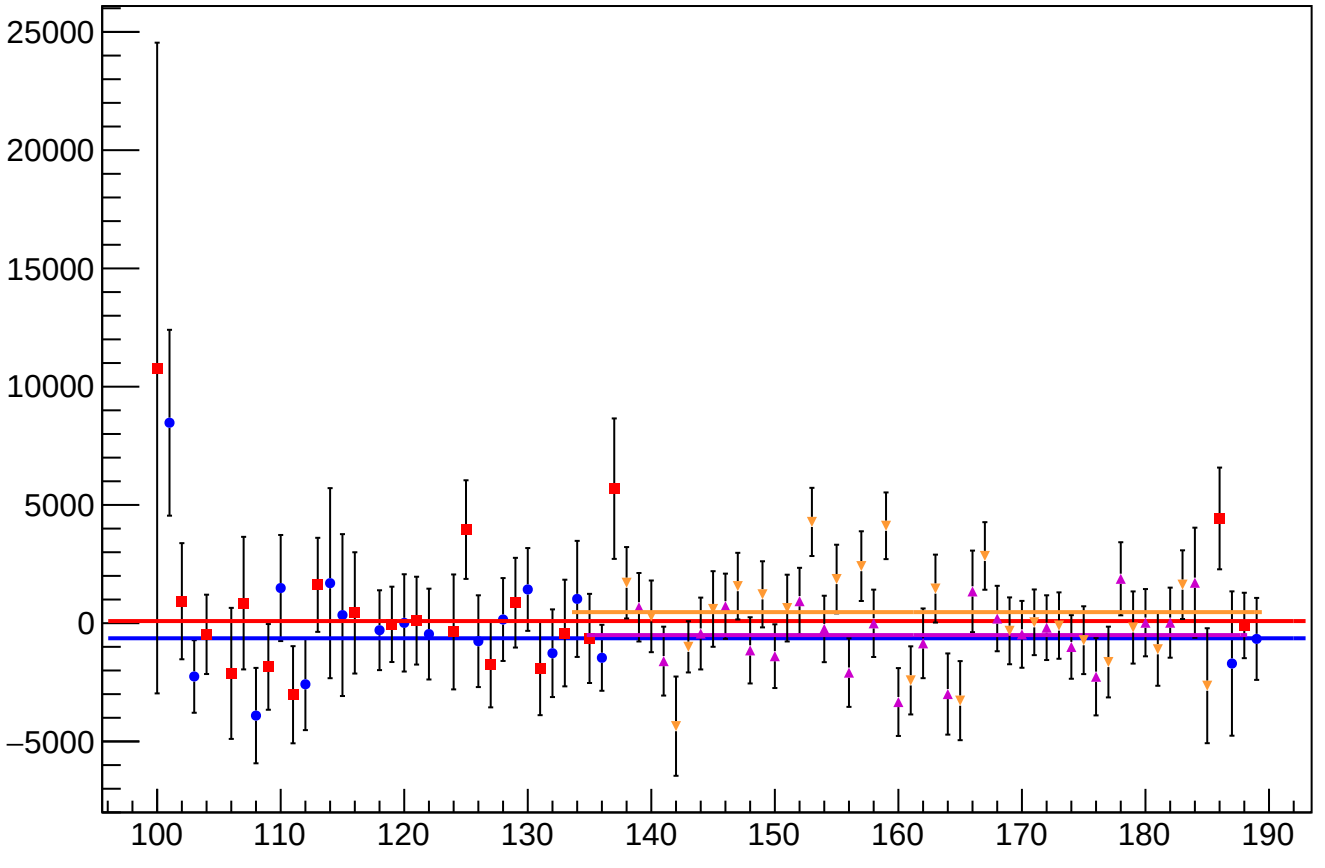
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3395.397+/-0.604 χ^2/NDF: 1567181.0/38

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.620+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

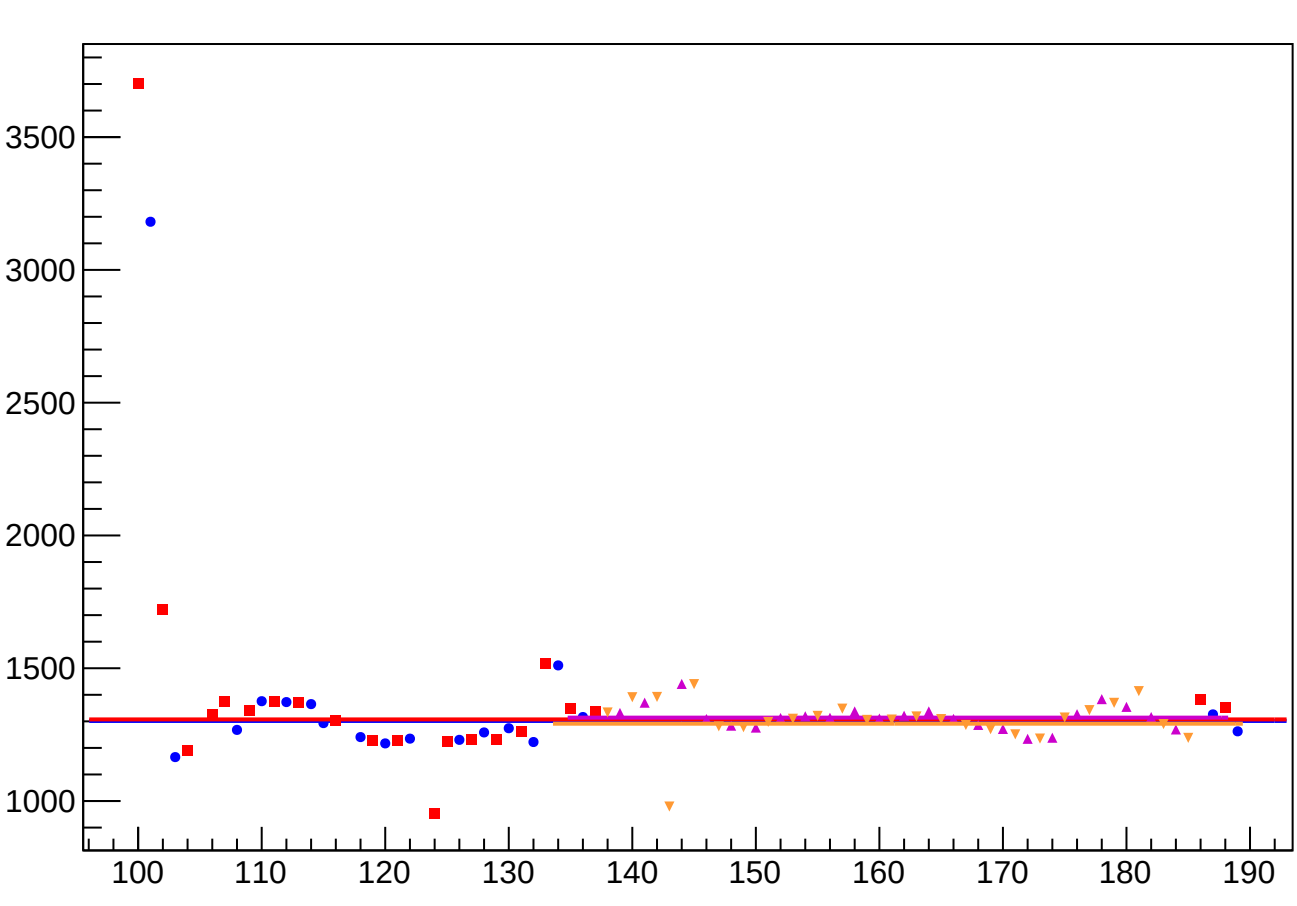
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -257.149+/-324.174 χ^2/NDF: 34.6/38

In: -543.823+/-256.990 χ^2/NDF:31.7/40

Out: 353.938+/-245.961 χ^2/NDF:63.7/45

All: -75.266+/-177.692 χ^2/NDF: 101.8/86



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

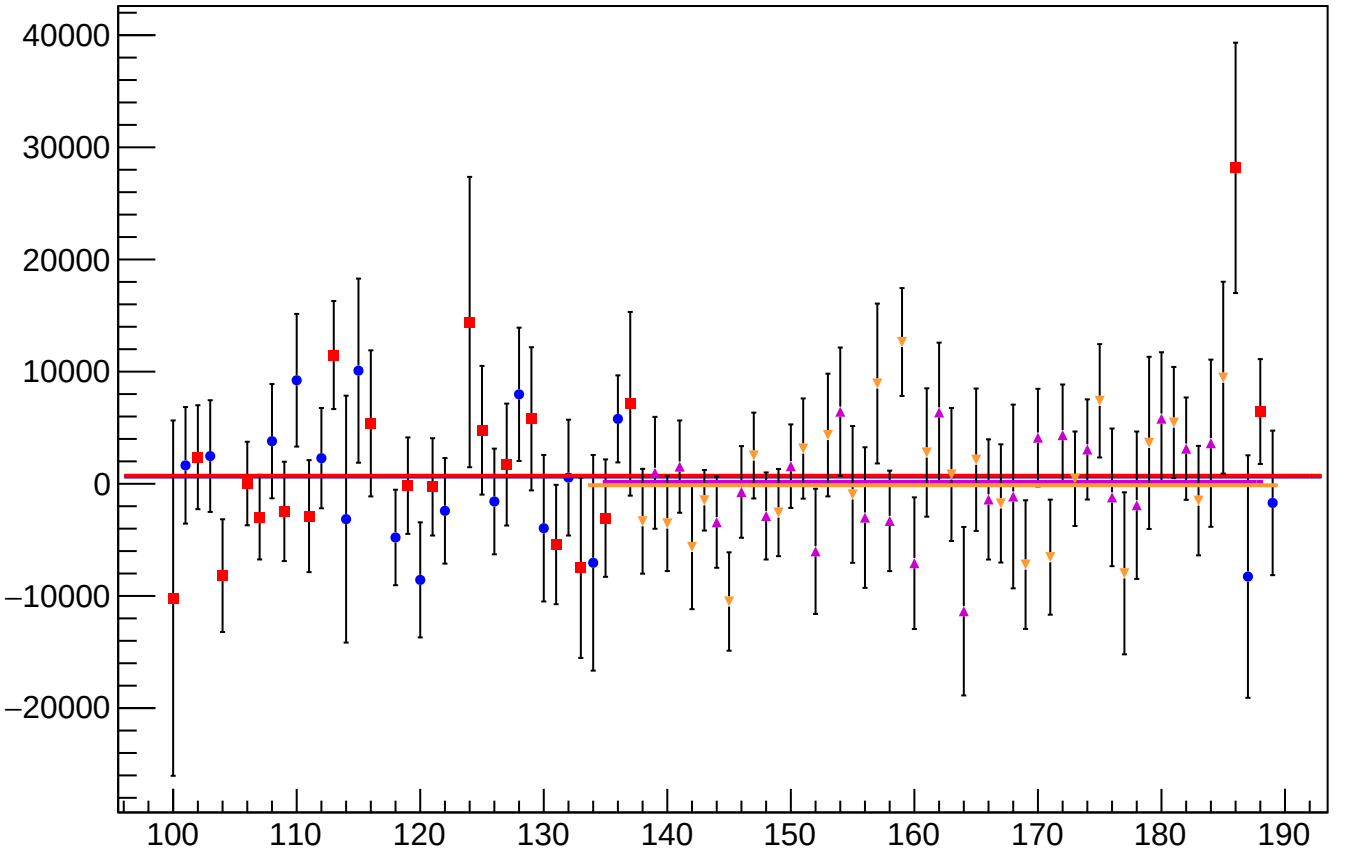
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.584+/-0.229 χ^2/NDF: 730530.2/38

In: 1310.282+/-0.182 χ^2/NDF:555816.7/40

Out: 1296.070+/-0.174 χ^2/NDF:451127.0/45

All: 1302.863+/-0.126 χ^2/NDF: 1010136.4/86



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

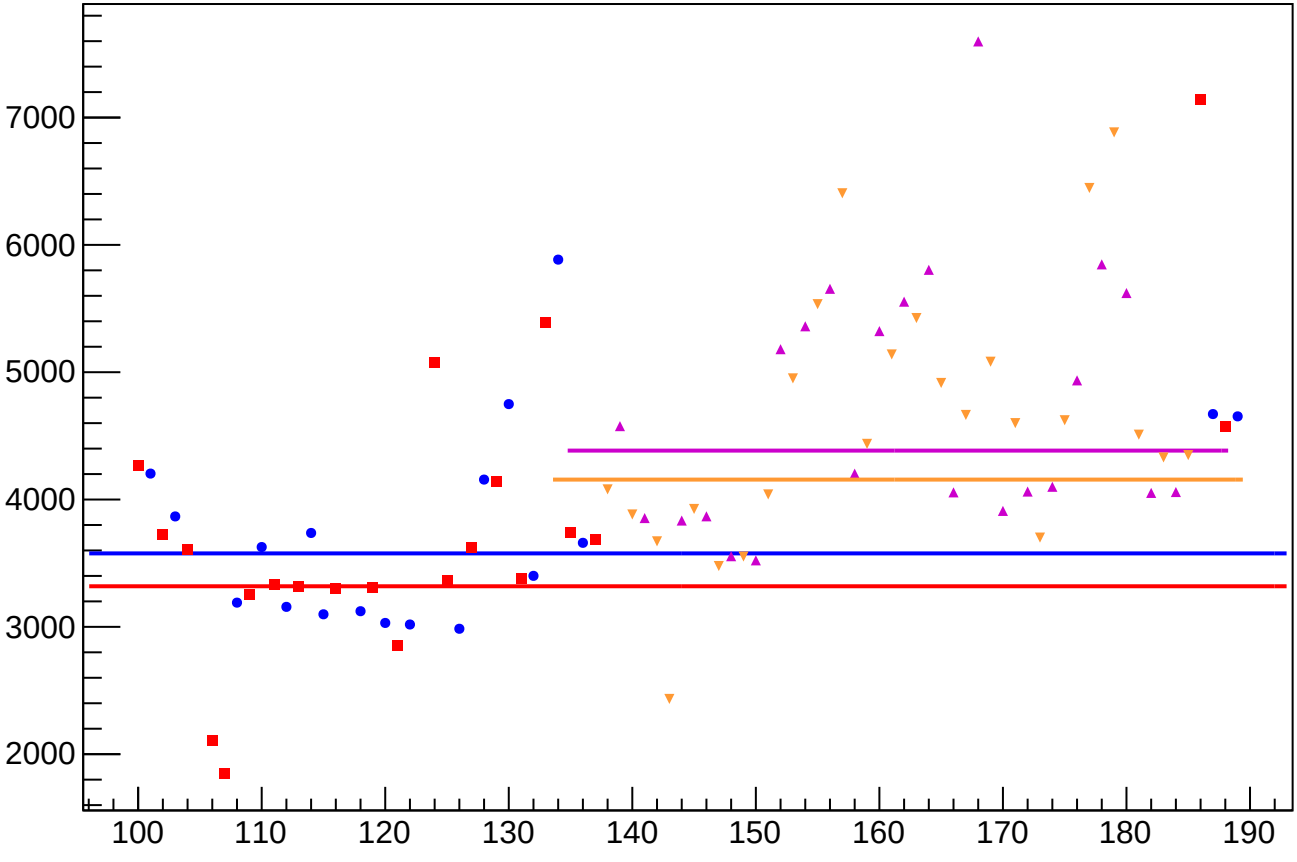
Right: 685.997+/-861.178 χ^2/NDF: 39.7/38

In: 353.640+/-812.436 χ^2/NDF:28.8/40

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 283.228+/-549.619 χ^2/NDF: 82.4/86

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

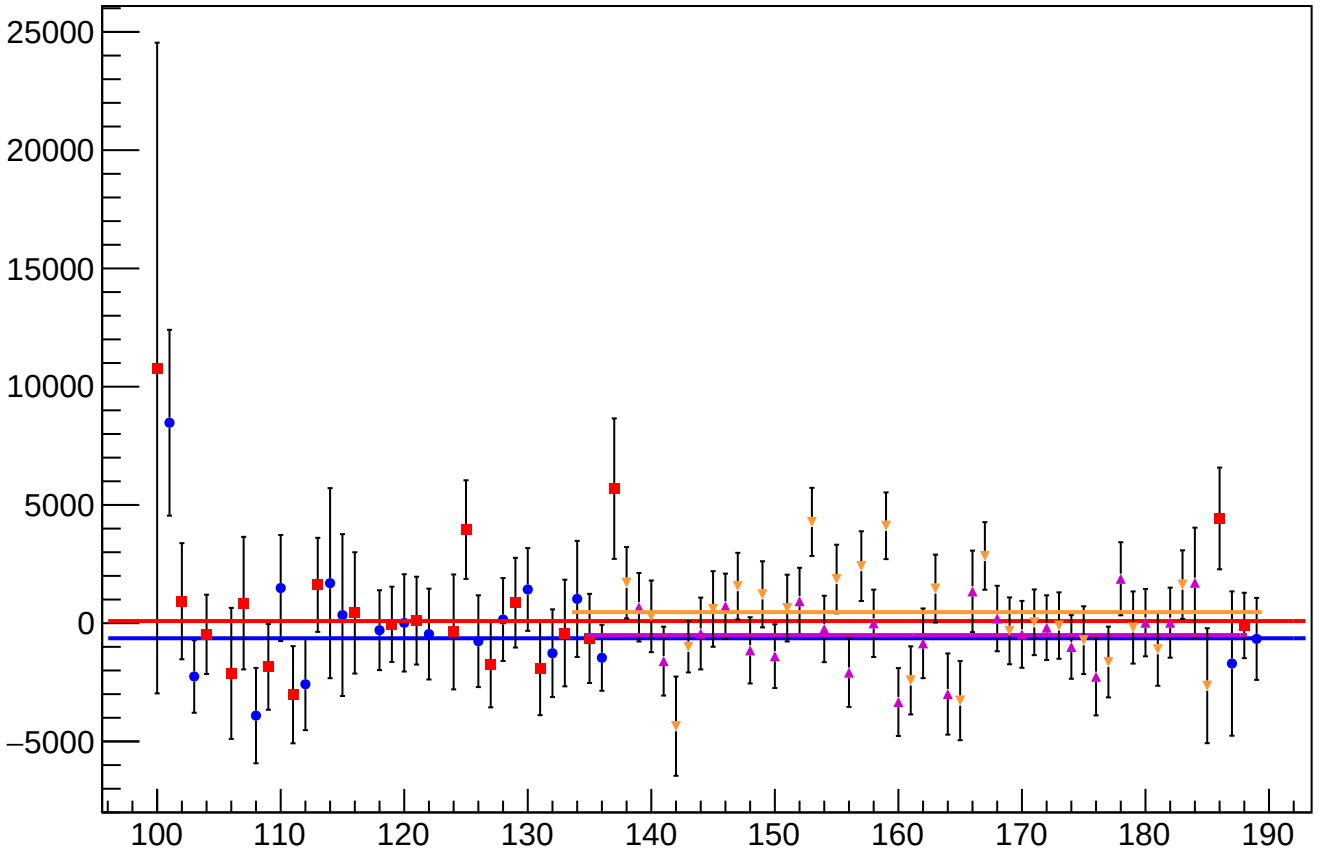
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3433.701+/-0.609 χ^2/NDF: 1672514.8/38

In: 4064.470+/-0.574 χ^2/NDF:2183758.6/40

Out: 3807.441+/-0.528 χ^2/NDF:3865698.8/45

All: 3925.074+/-0.389 χ^2/NDF: 6158021.3/86



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.613+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

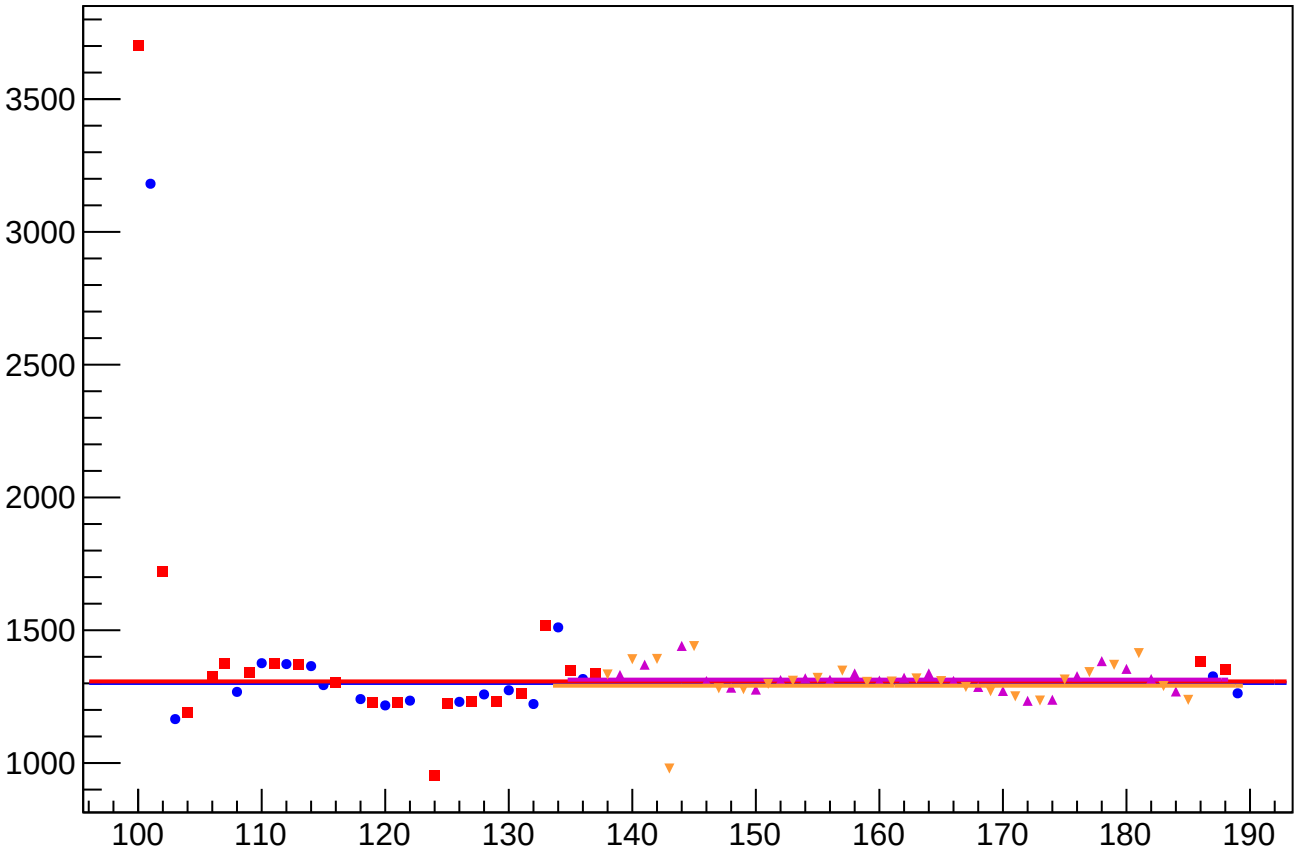
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -257.154+/-324.174 χ^2/NDF: 34.6/38

In: -543.824+/-256.990 χ^2/NDF:31.7/40

Out: 353.939+/-245.962 χ^2/NDF:63.7/45

All: -75.266+/-177.692 χ^2/NDF: 101.8/86



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

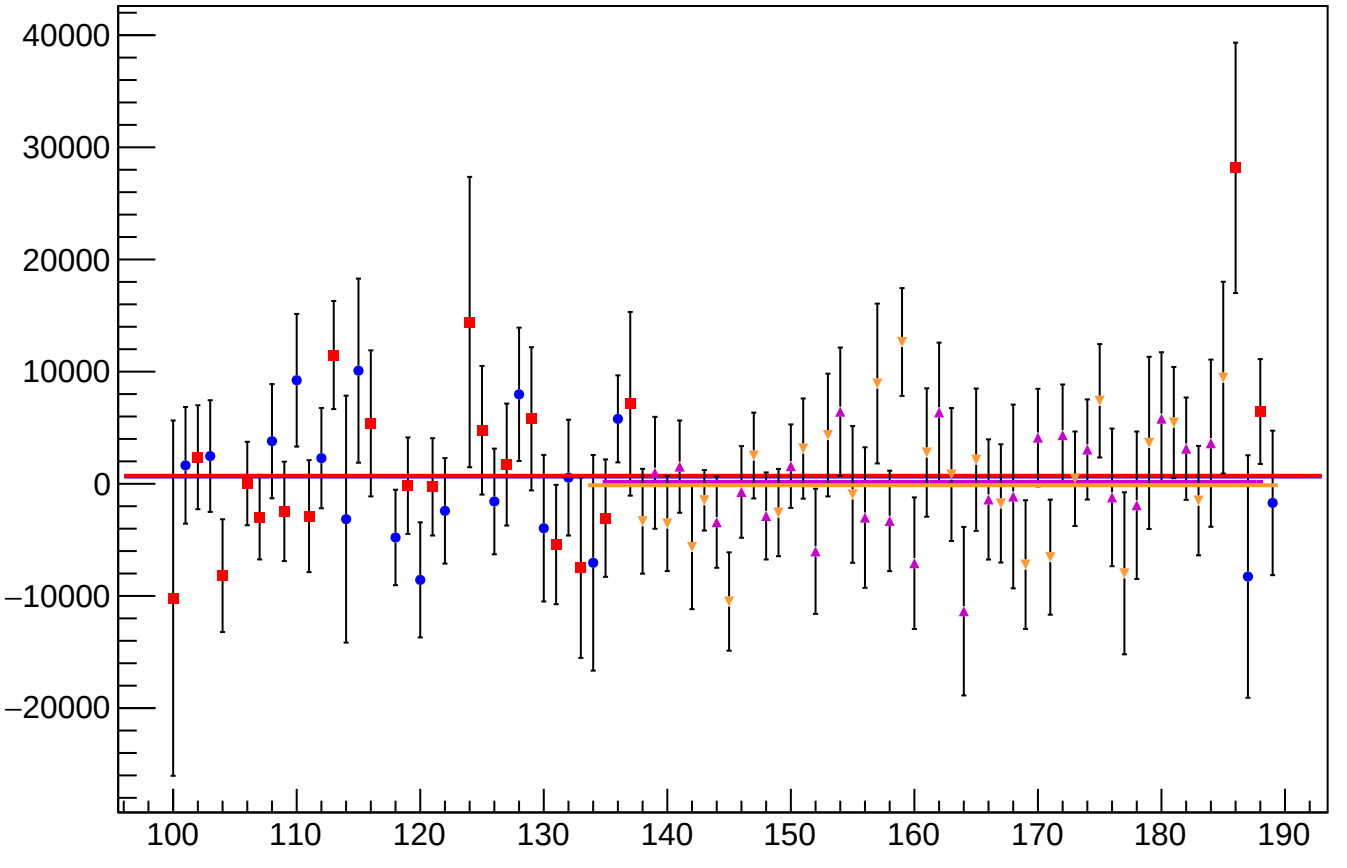
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1304.584+/-0.229 χ^2/NDF: 730530.4/38

In: 1310.282+/-0.182 χ^2/NDF:555819.2/40

Out: 1296.071+/-0.174 χ^2/NDF:451129.2/45

All: 1302.864+/-0.126 χ^2/NDF: 1010141.1/86



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

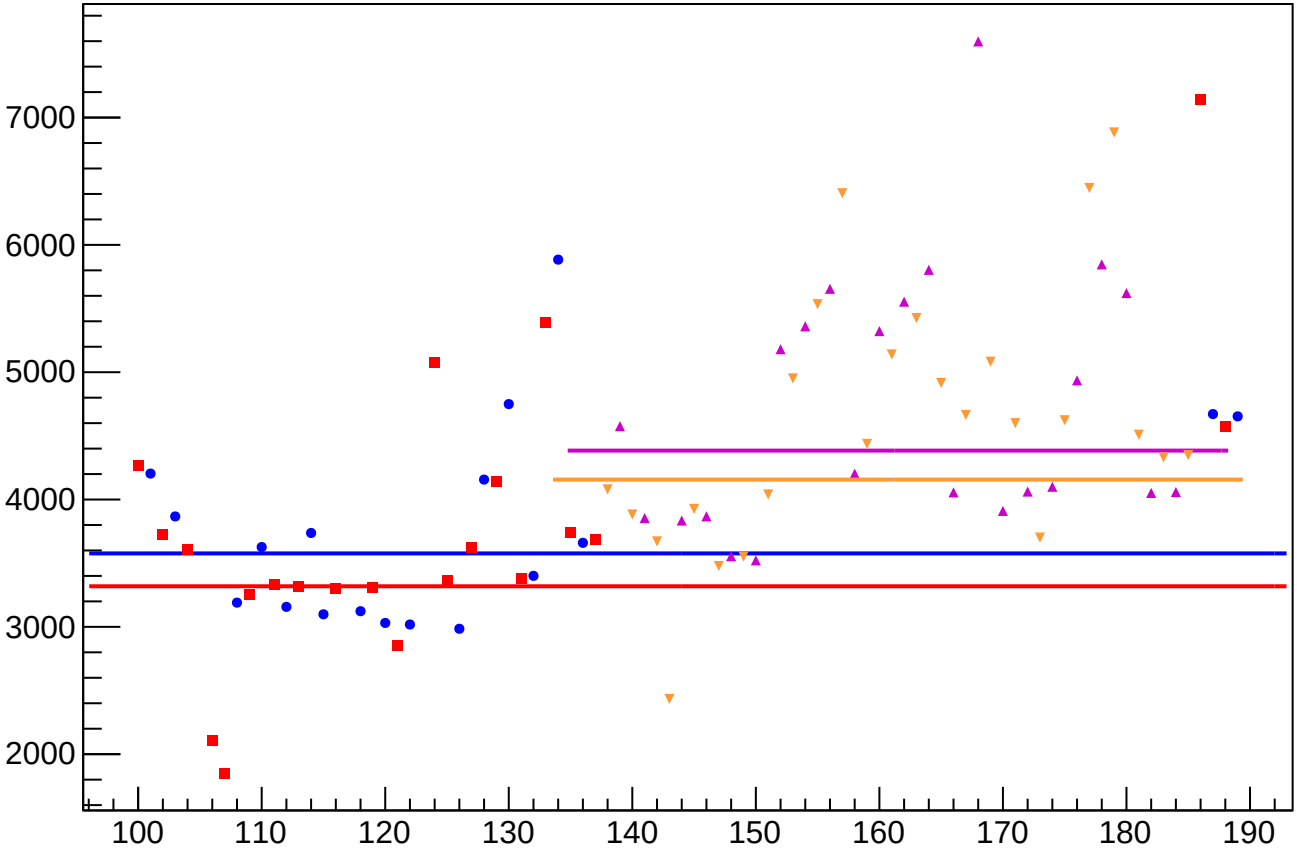
Right: 685.989+/-861.176 χ^2/NDF: 39.7/38

In: 353.638+/-812.436 χ^2/NDF:28.8/40

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 283.227+/-549.619 χ^2/NDF: 82.4/86

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

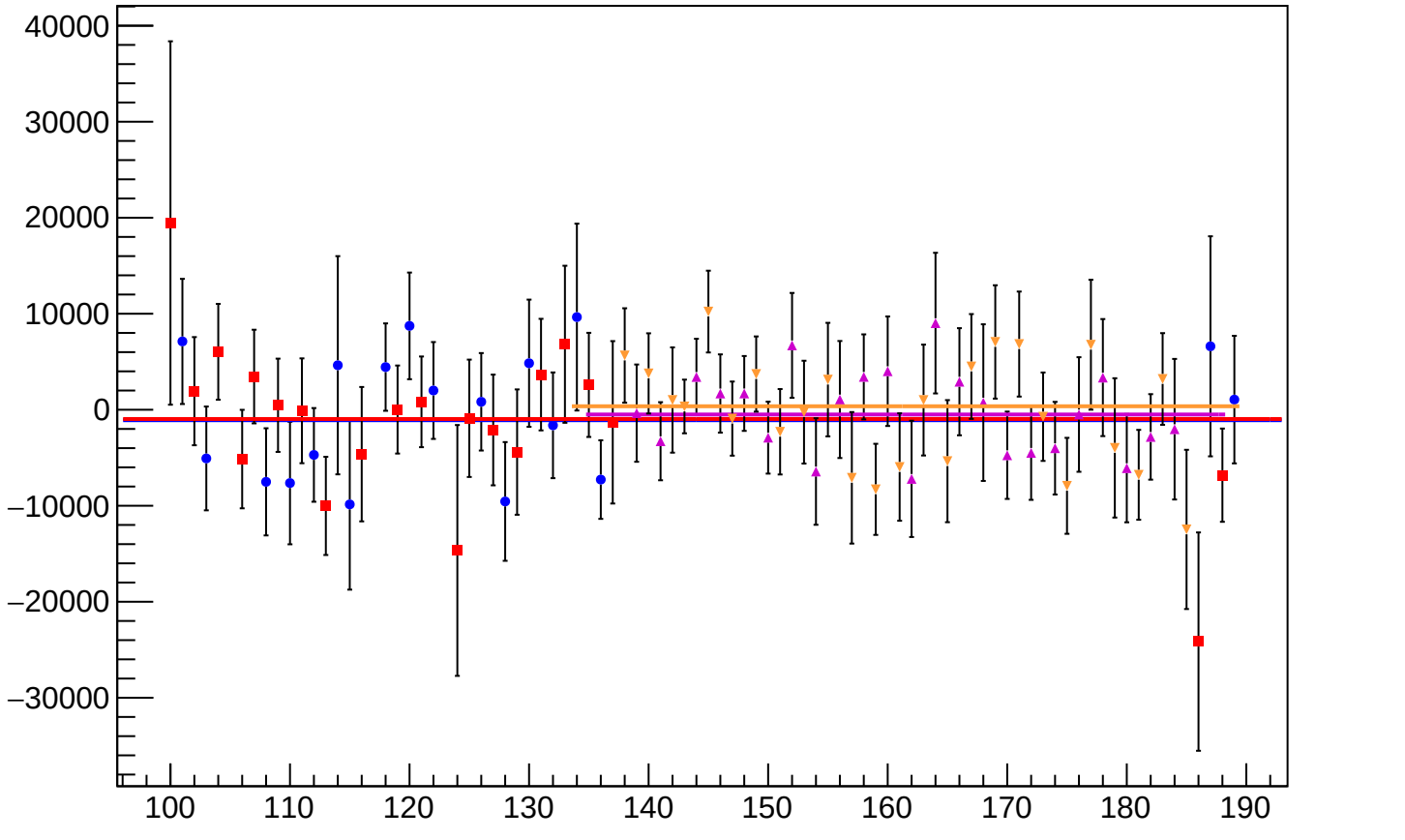
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3433.693+/-0.609 χ^2/NDF: 1672526.6/38

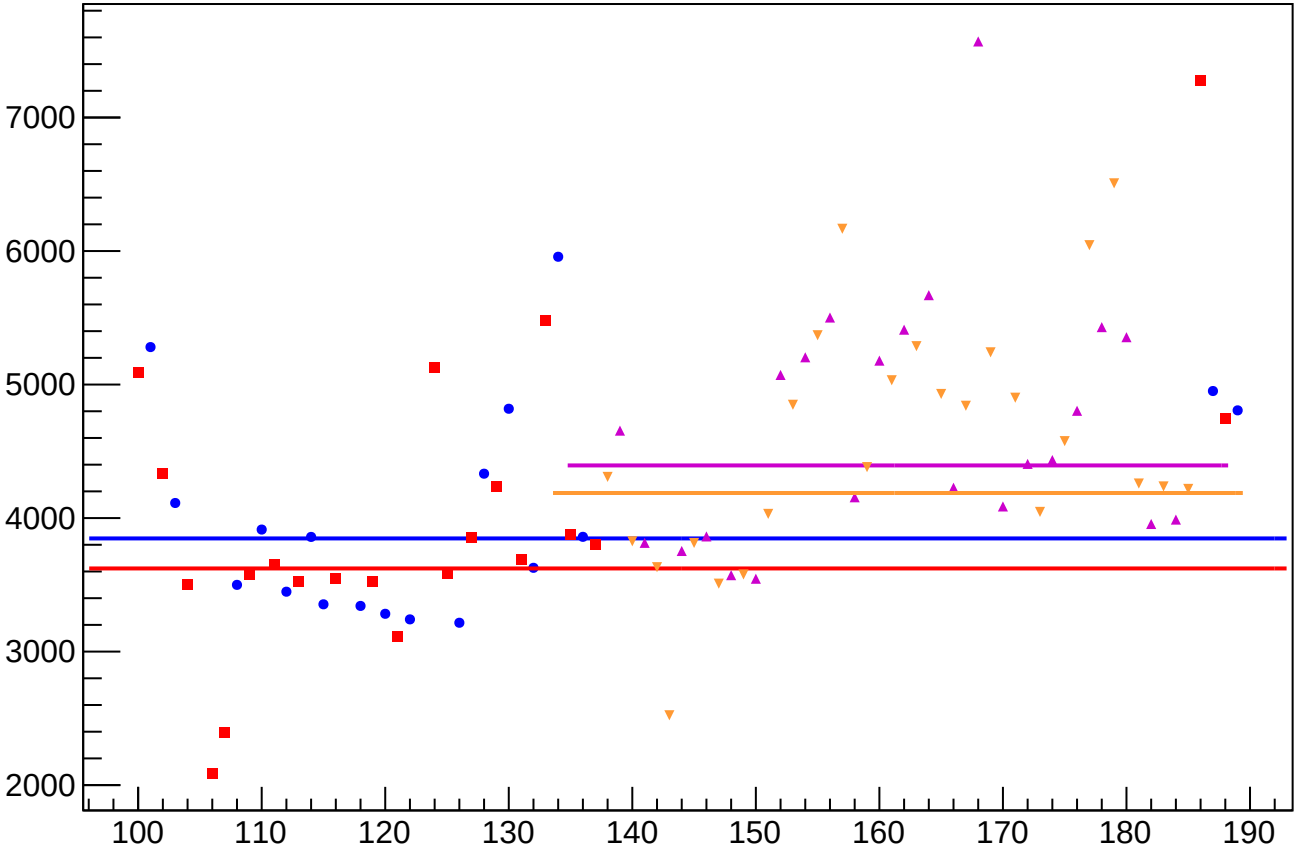
In: 4064.469+/-0.574 χ^2/NDF:2183787.7/40

Out: 3807.440+/-0.528 χ^2/NDF:3865728.8/45

All: 3925.073+/-0.389 χ^2/NDF: 6158080.4/86


asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1089.614+/-1389.186 χ²/NDF: 18.2/17
Left Out: 362.528+/-979.860 χ²/NDF:27.7/24
Right Out: -964.766+/-1280.004 χ²/NDF: 17.6/20
Left In: -497.522+/-1044.707 χ²/NDF:13.9/22
Left: -39.978+/-714.692 χ²/NDF: 41.9/47
Right: -1022.092+/-941.335 χ²/NDF: 35.7/38
In: -711.413+/-834.952 χ²/NDF:32.2/40
Out: -127.890+/-778.056 χ²/NDF:45.9/45
All: -399.095+/-569.221 χ²/NDF: 78.3/86

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

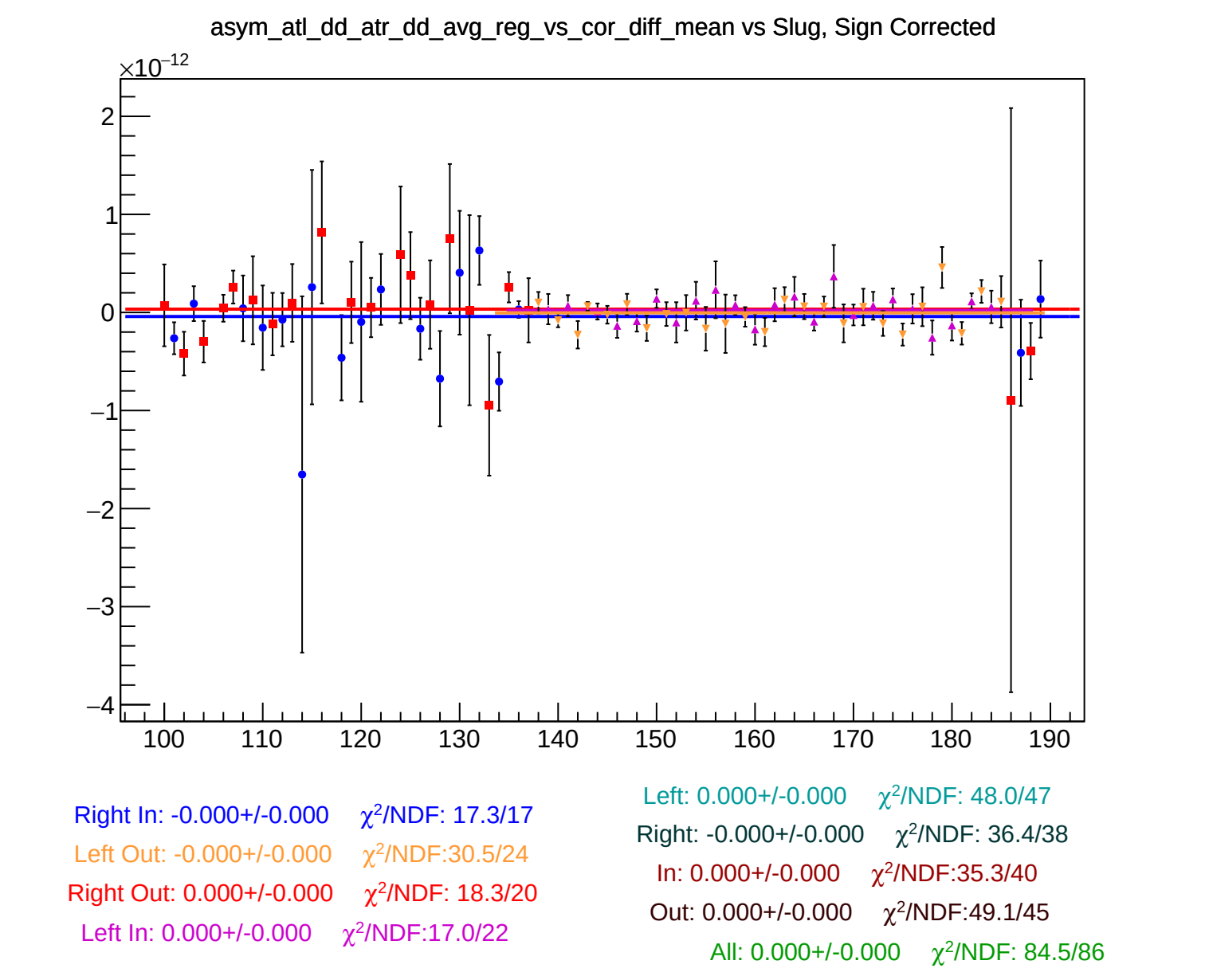
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

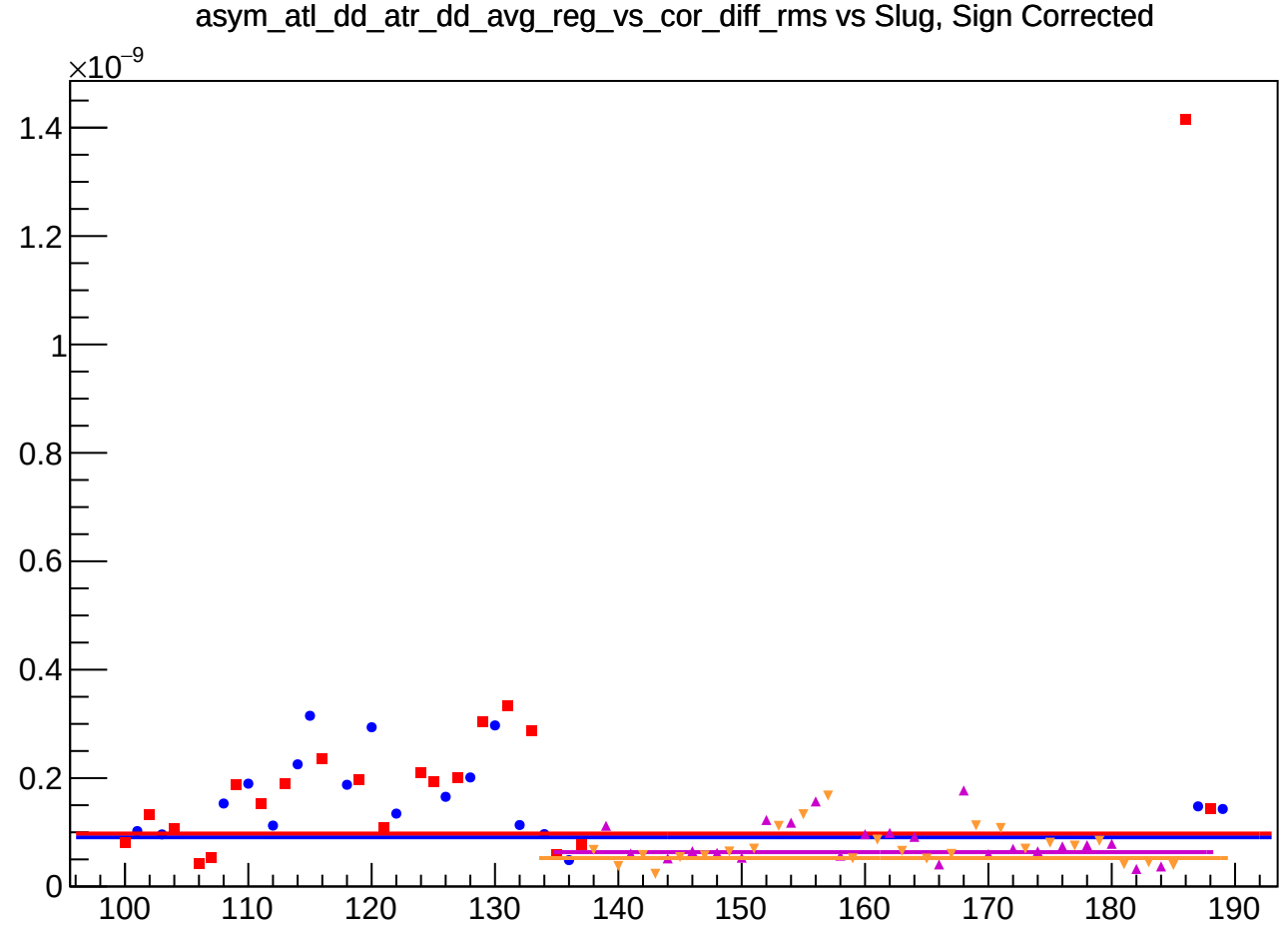
Right: 3724.527+/-0.661 χ^2/NDF: 1396771.6/38

In: 4196.797+/-0.590 χ^2/NDF:1733277.9/40

Out: 3975.698+/-0.548 χ^2/NDF:2967242.7/45

All: 4077.943+/-0.401 χ^2/NDF: 4775910.5/86


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.3/17
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.3/20
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 36.4/38
In: 0.000+/-0.000 χ²/NDF:35.3/40
Out: 0.000+/-0.000 χ²/NDF:49.1/45
All: 0.000+/-0.000 χ²/NDF: 84.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

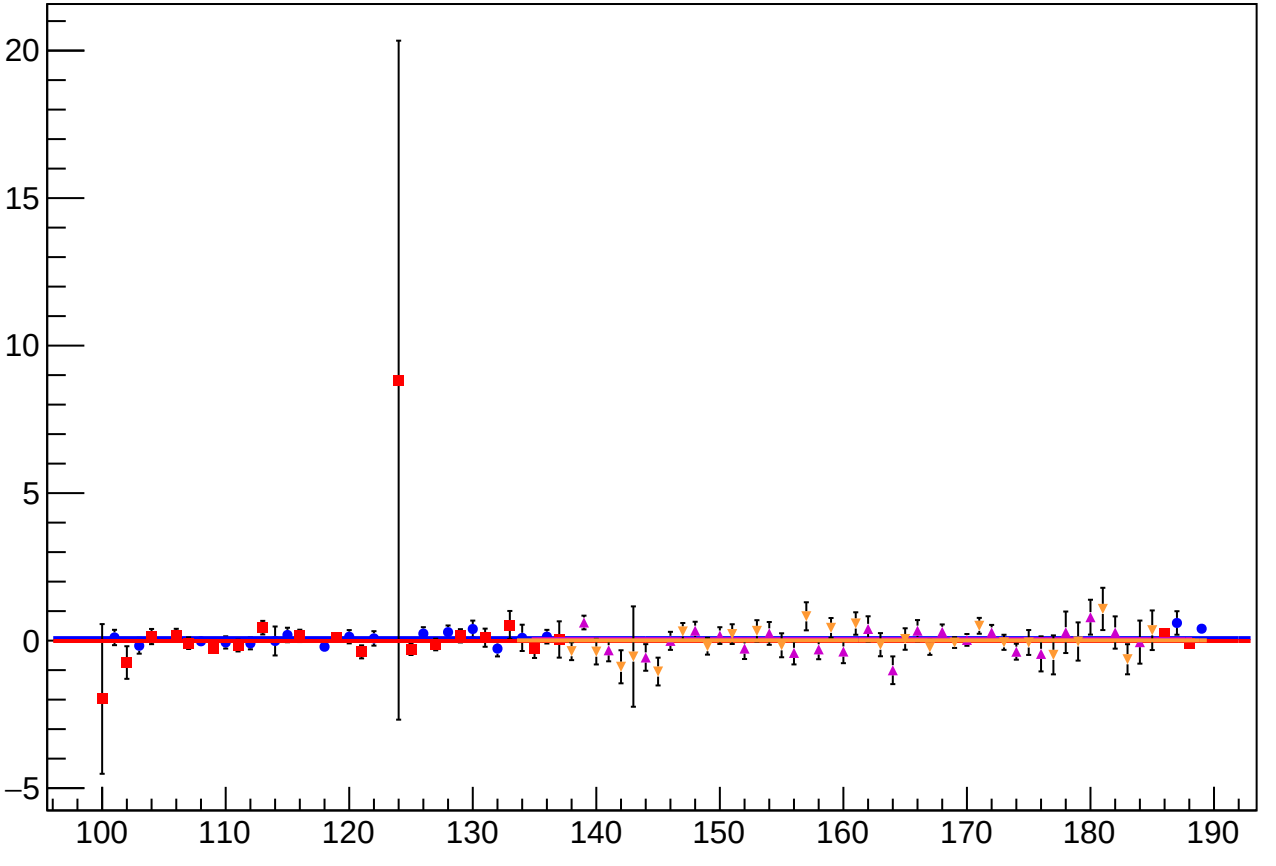
Right: 0.000+/-0.000 χ^2/NDF: 3715965.1/38

In: 0.000+/-0.000 χ^2/NDF:3680558.2/40

Out: 0.000+/-0.000 χ^2/NDF:5743467.6/45

All: 0.000+/-0.000 χ^2/NDF: 9640579.9/86

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

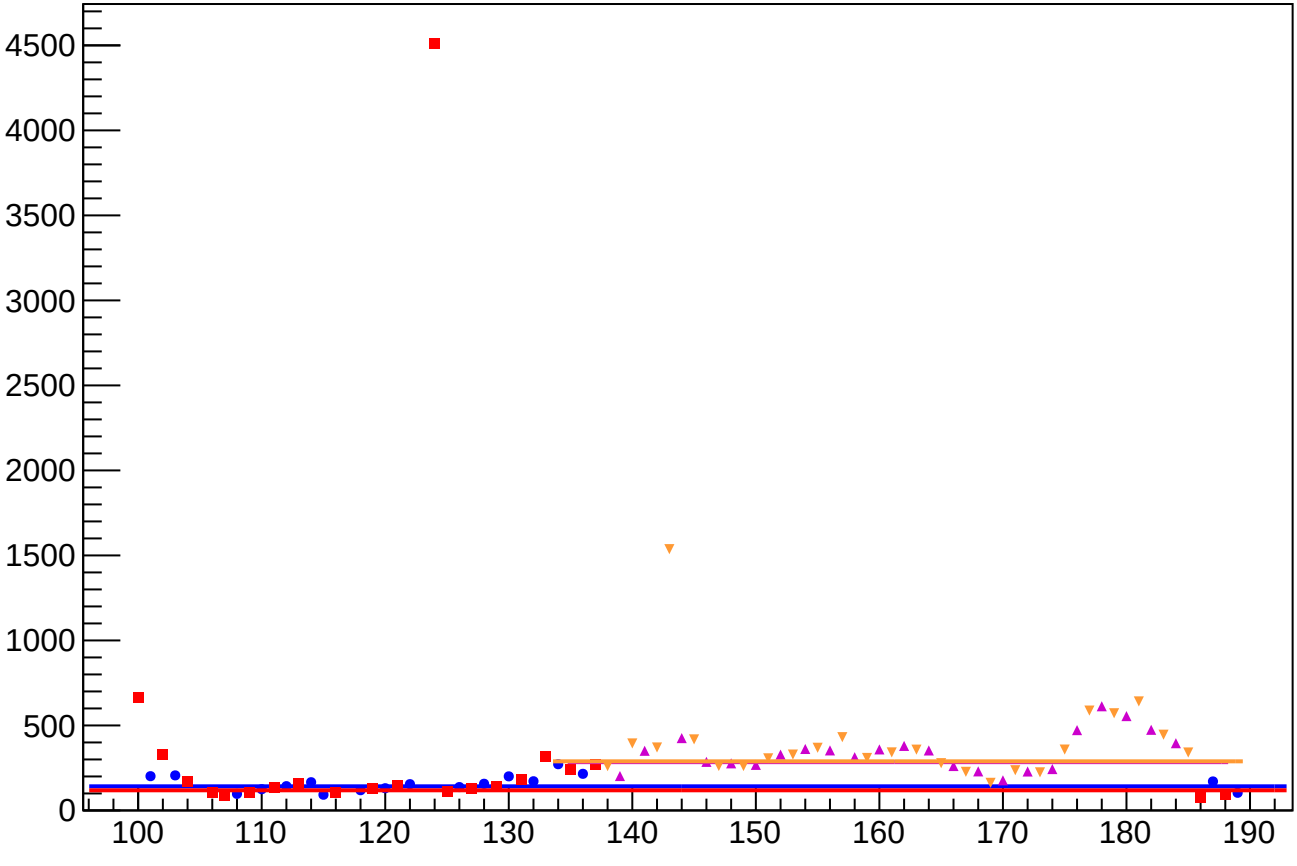
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

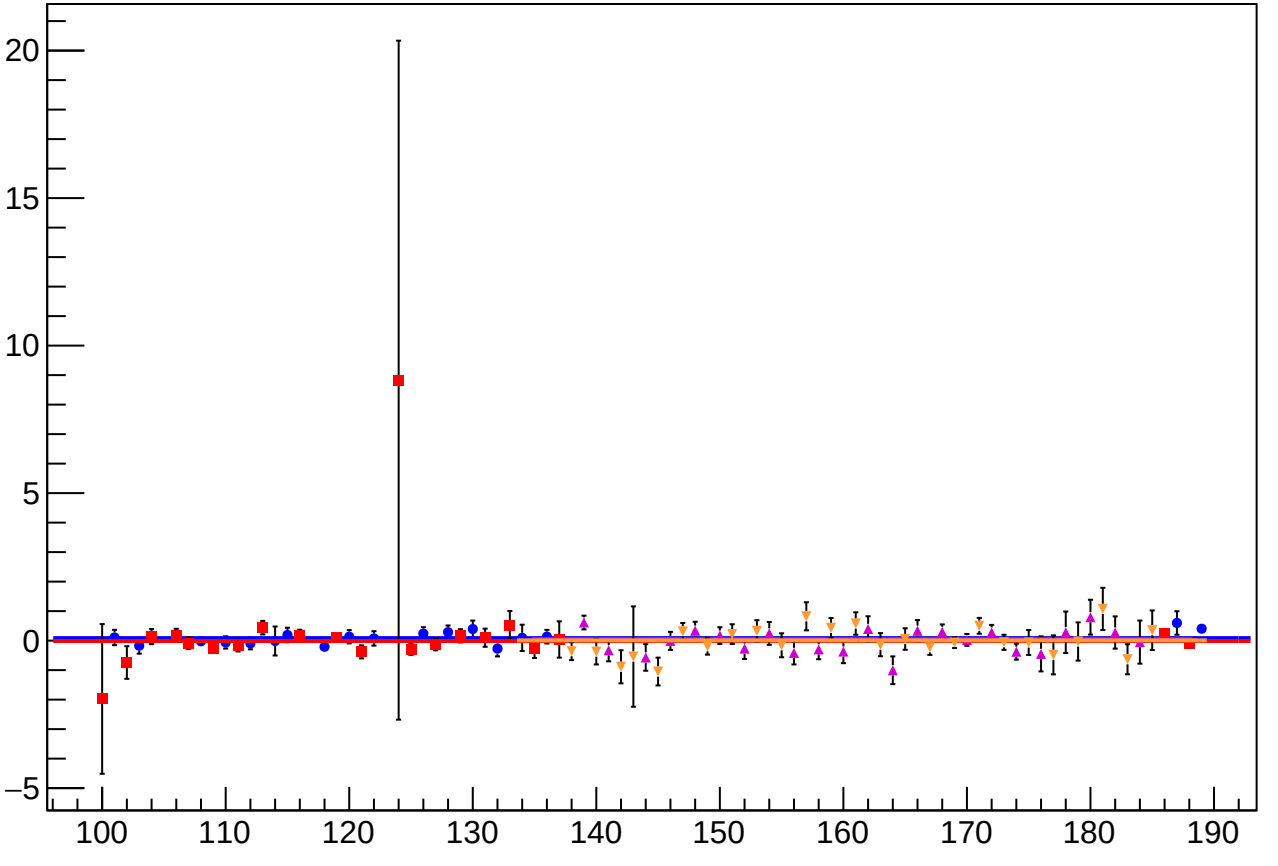
Right: 128.217+/-0.024 χ^2/NDF: 3521289.7/38

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

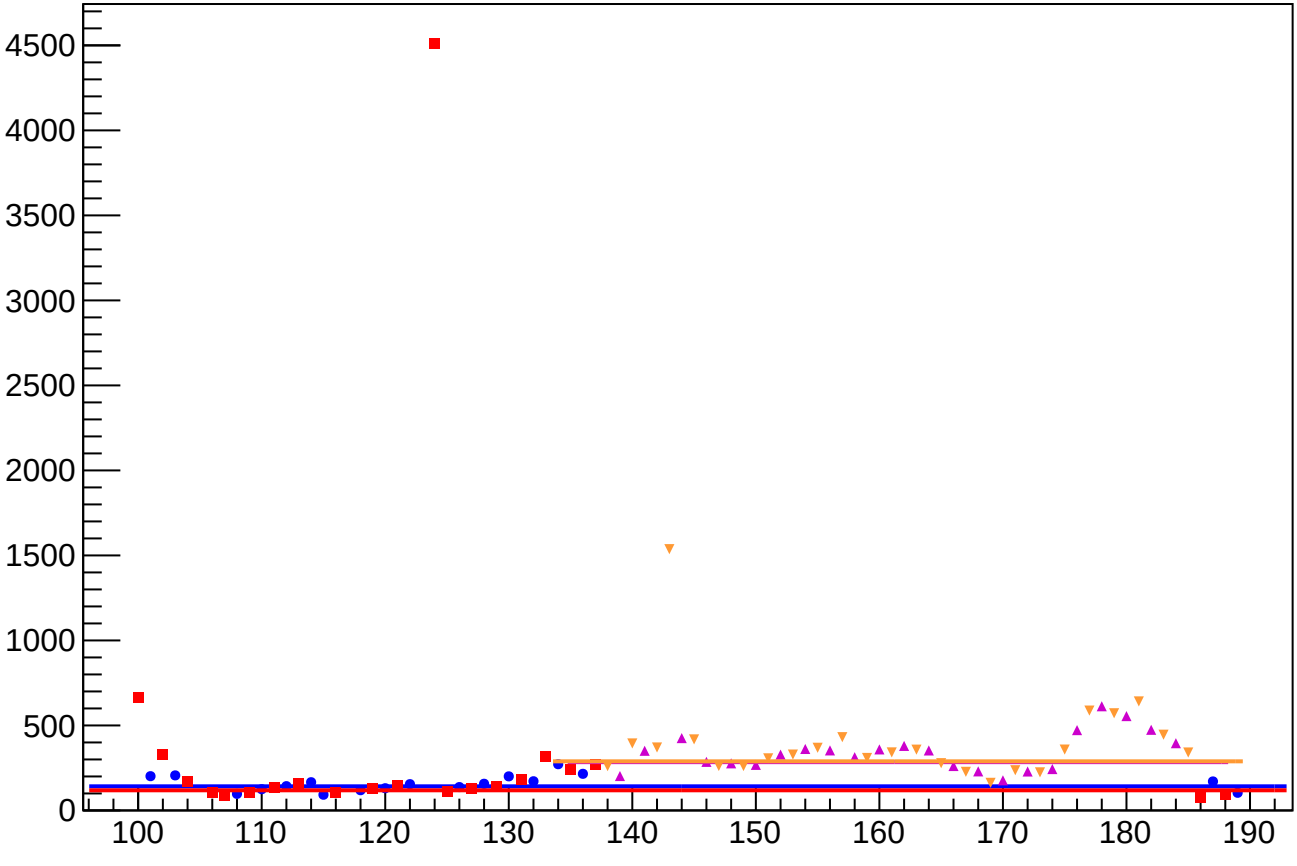
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

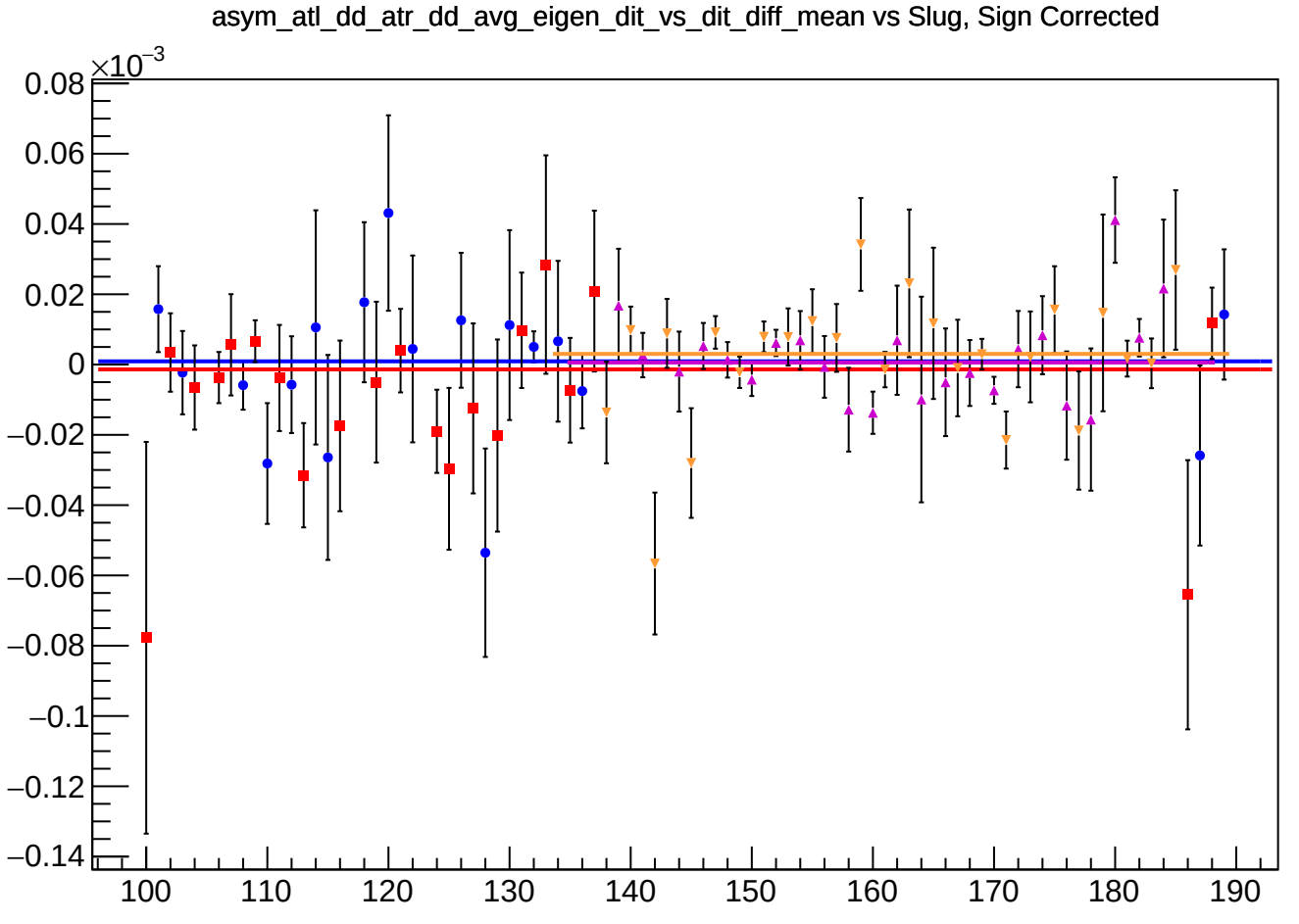
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

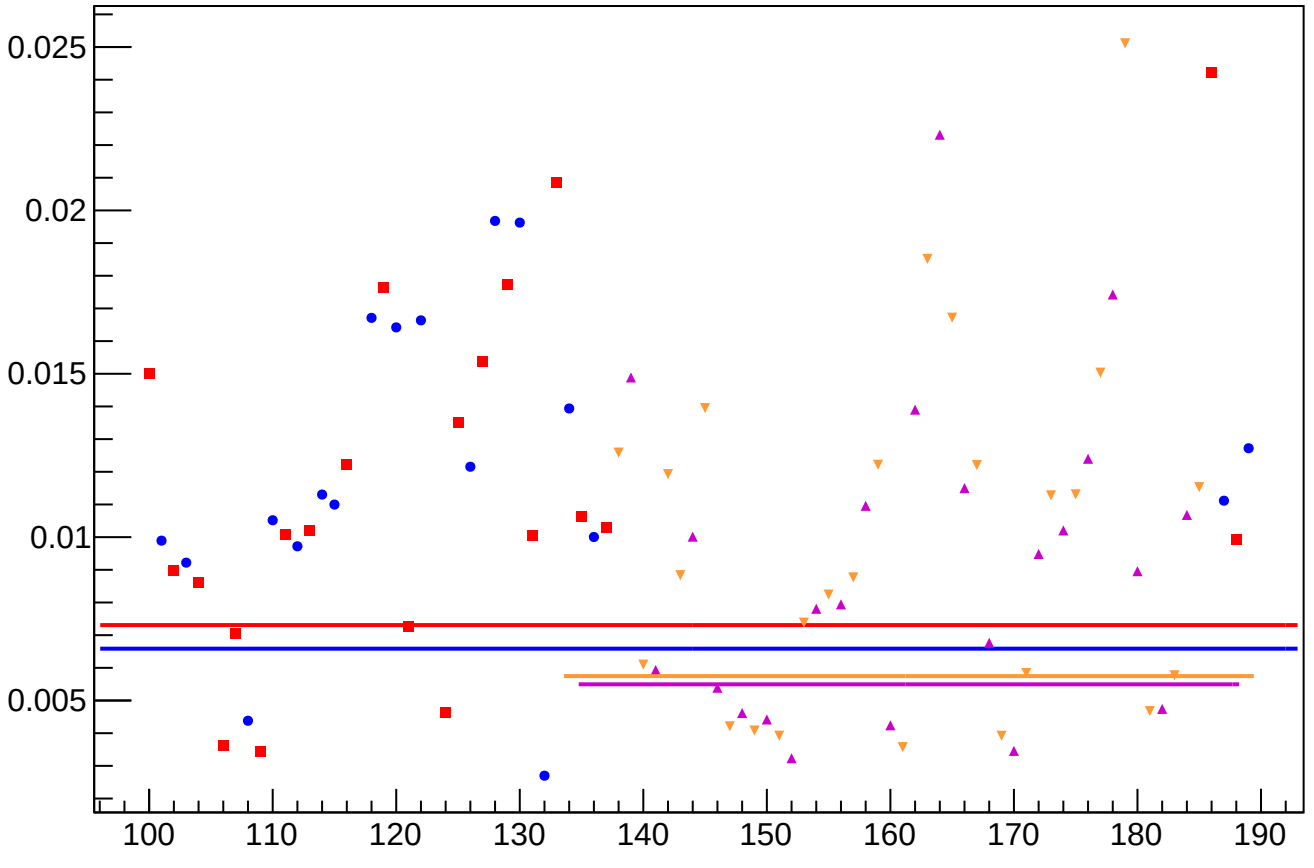
Right: 128.217+/-0.024 χ^2/NDF: 3521289.7/38

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86


asym_atl_dd_atr_dd_avg_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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.5/17
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.6/20
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: 37.4/38
In: 0.000+/-0.000 χ²/NDF:49.7/40
Out: 0.000+/-0.000 χ²/NDF:64.6/45
All: 0.000+/-0.000 χ²/NDF: 114.9/86



Right In: 0.007+/-0.000 χ^2/NDF: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

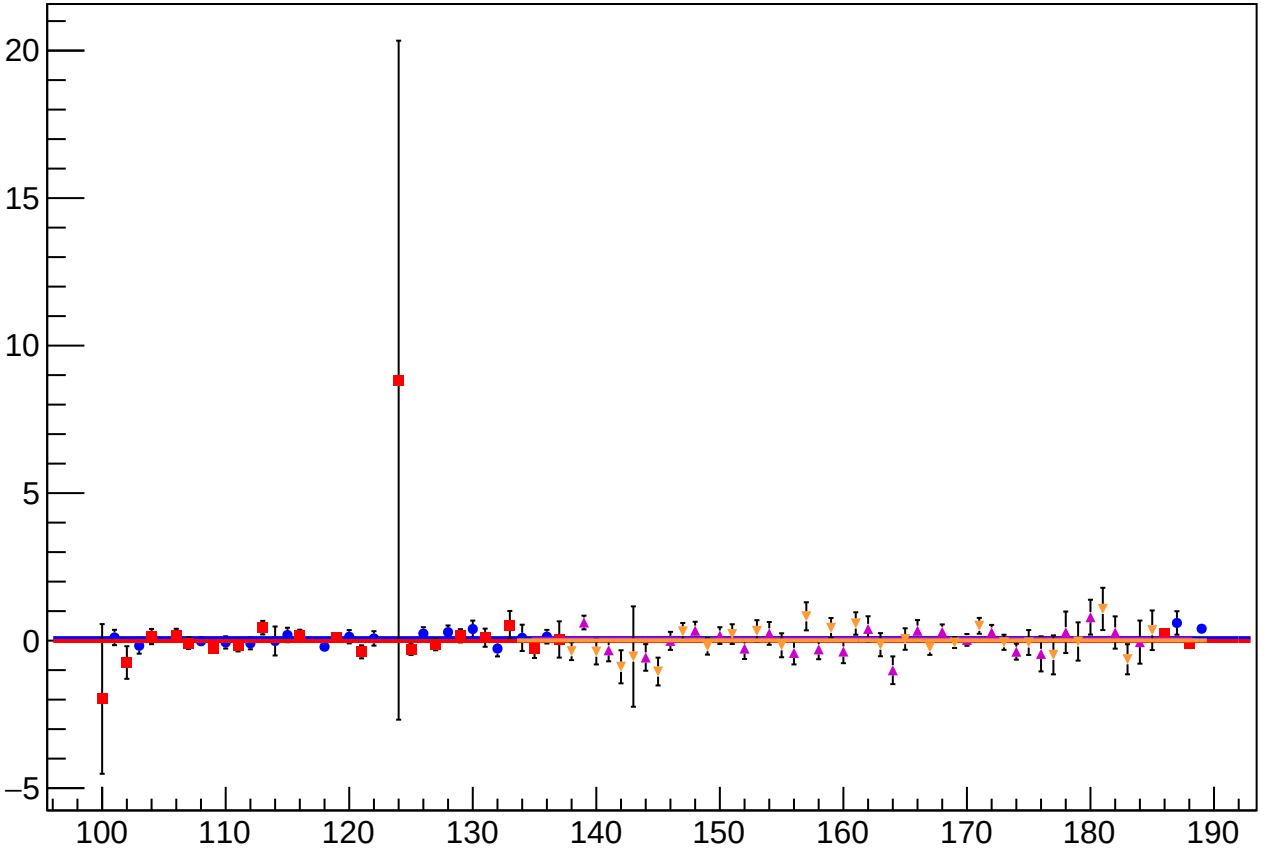
Right: 0.007+/-0.000 χ^2/NDF: 8953912.2/38

In: 0.006+/-0.000 χ^2/NDF:12094637.4/40

Out: 0.006+/-0.000 χ^2/NDF:12546785.7/45

All: 0.006+/-0.000 χ^2/NDF: 24711165.7/86

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

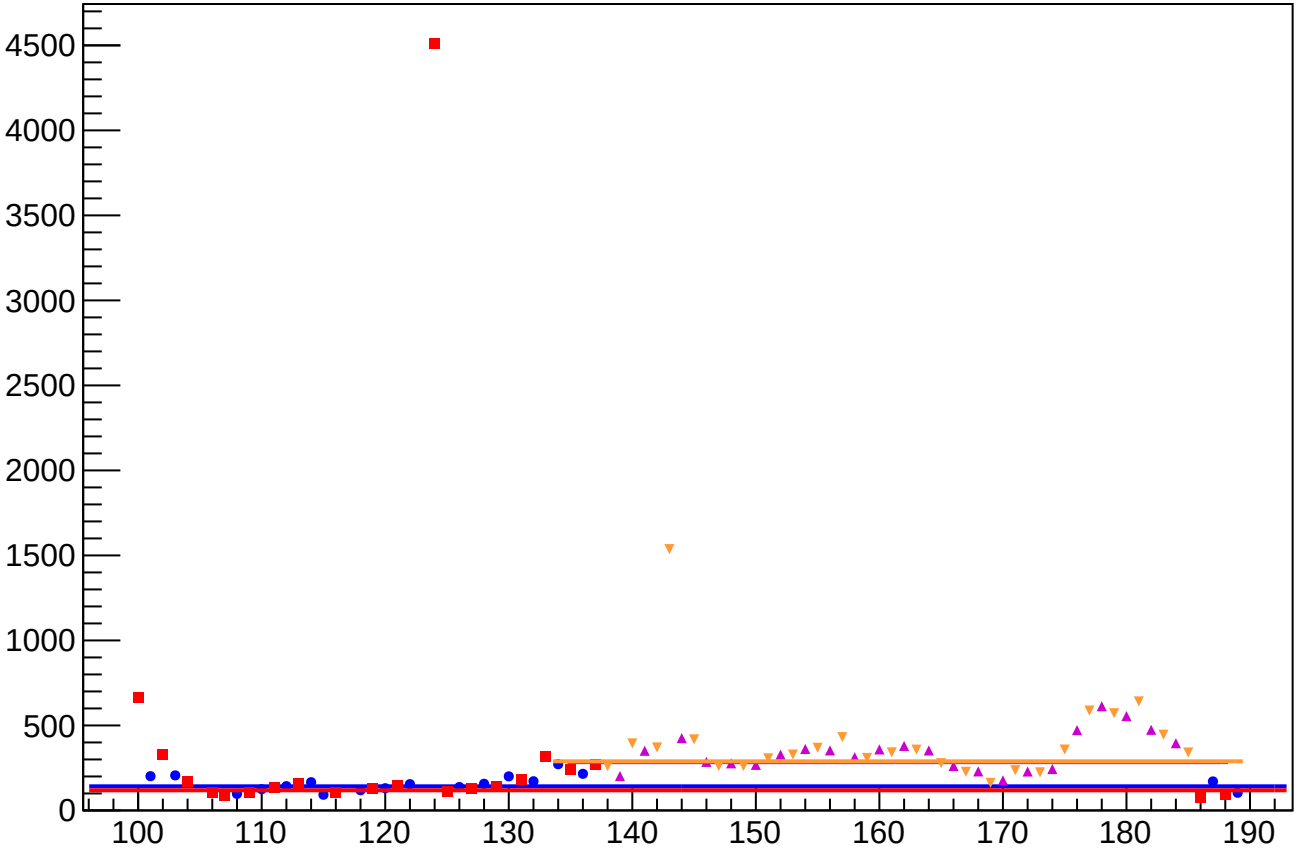
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

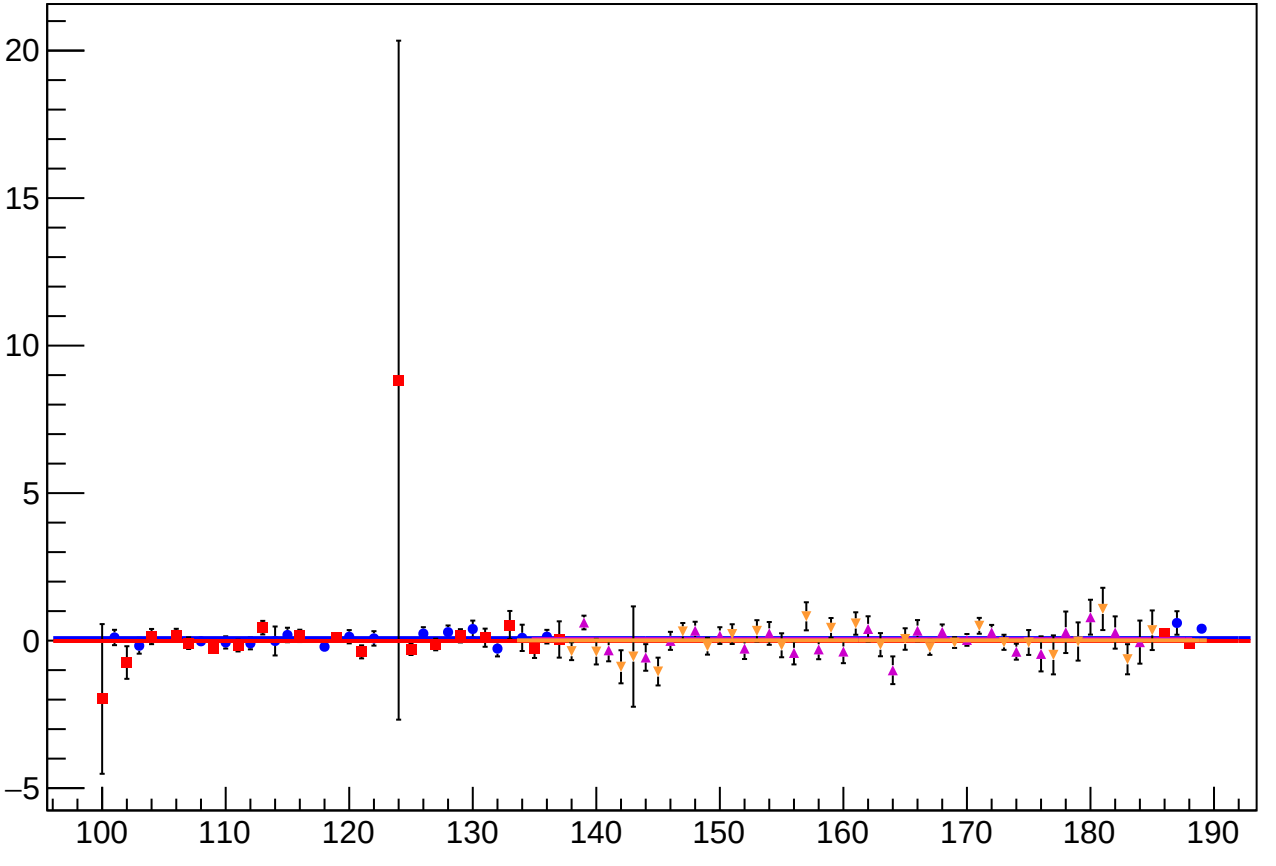
Right: 128.218+/-0.024 χ^2/NDF: 3521087.1/38

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

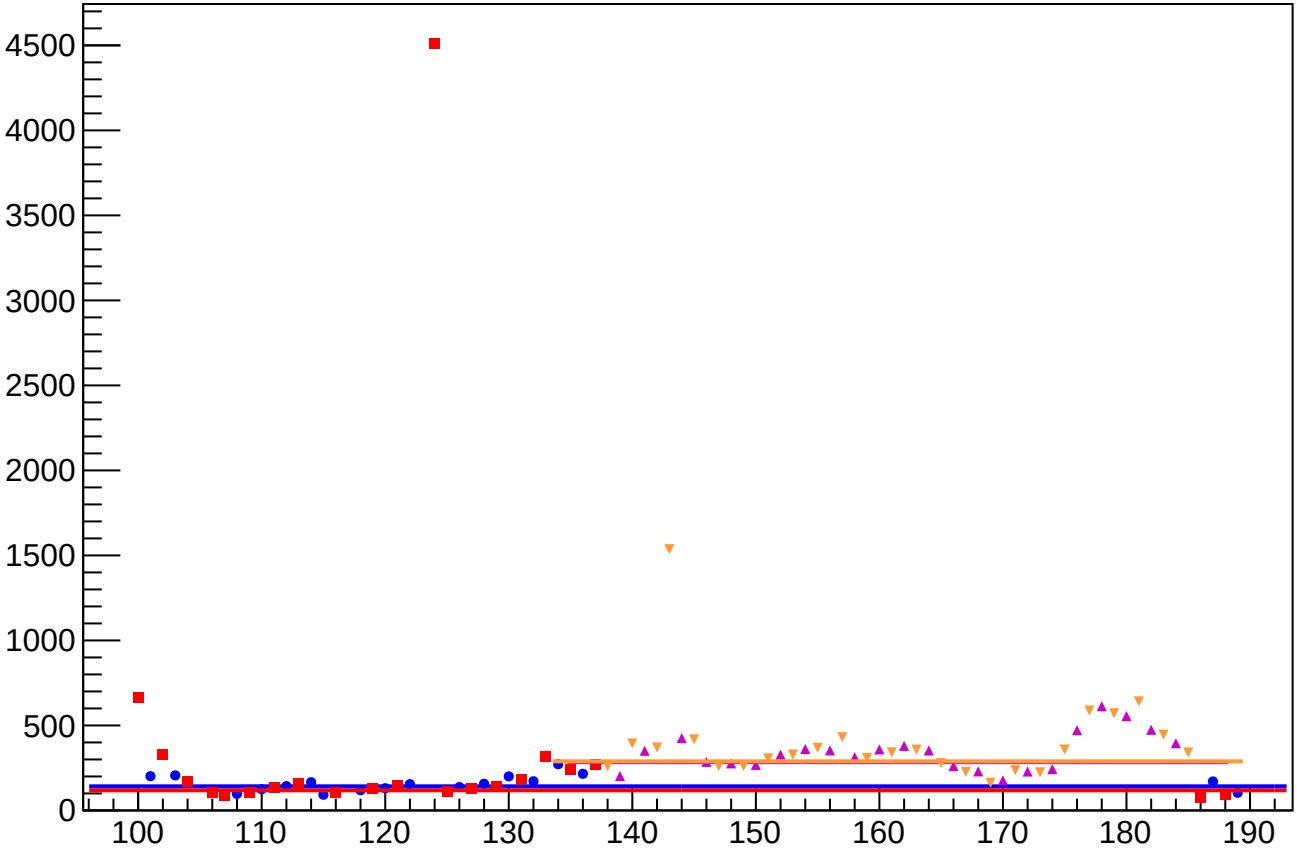
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

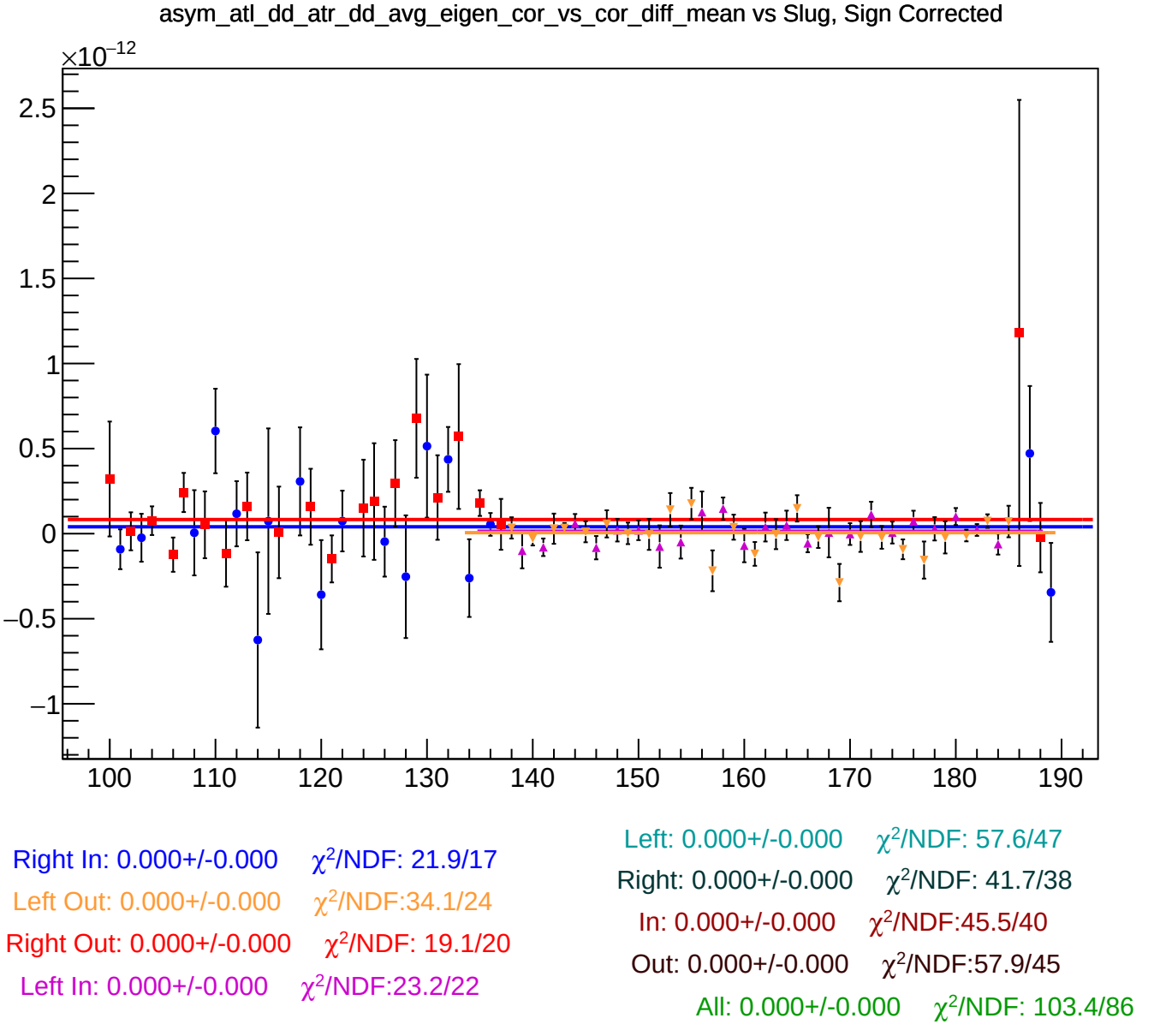
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

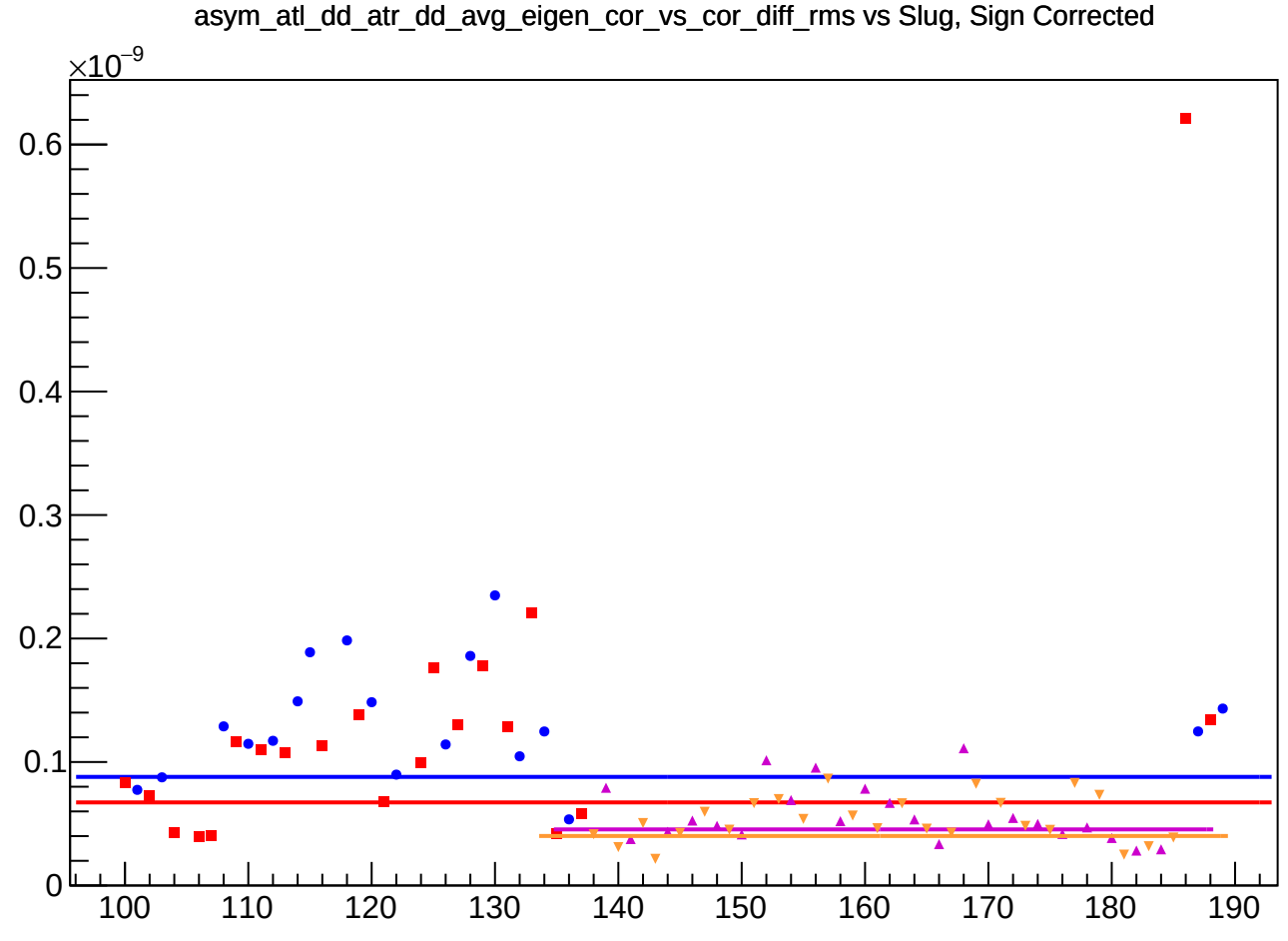
Right: 128.218+/-0.024 χ^2/NDF: 3521087.1/38

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.9/17
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.1/20
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: 41.7/38
In: 0.000+/-0.000 χ²/NDF:45.5/40
Out: 0.000+/-0.000 χ²/NDF:57.9/45
All: 0.000+/-0.000 χ²/NDF: 103.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2710521.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

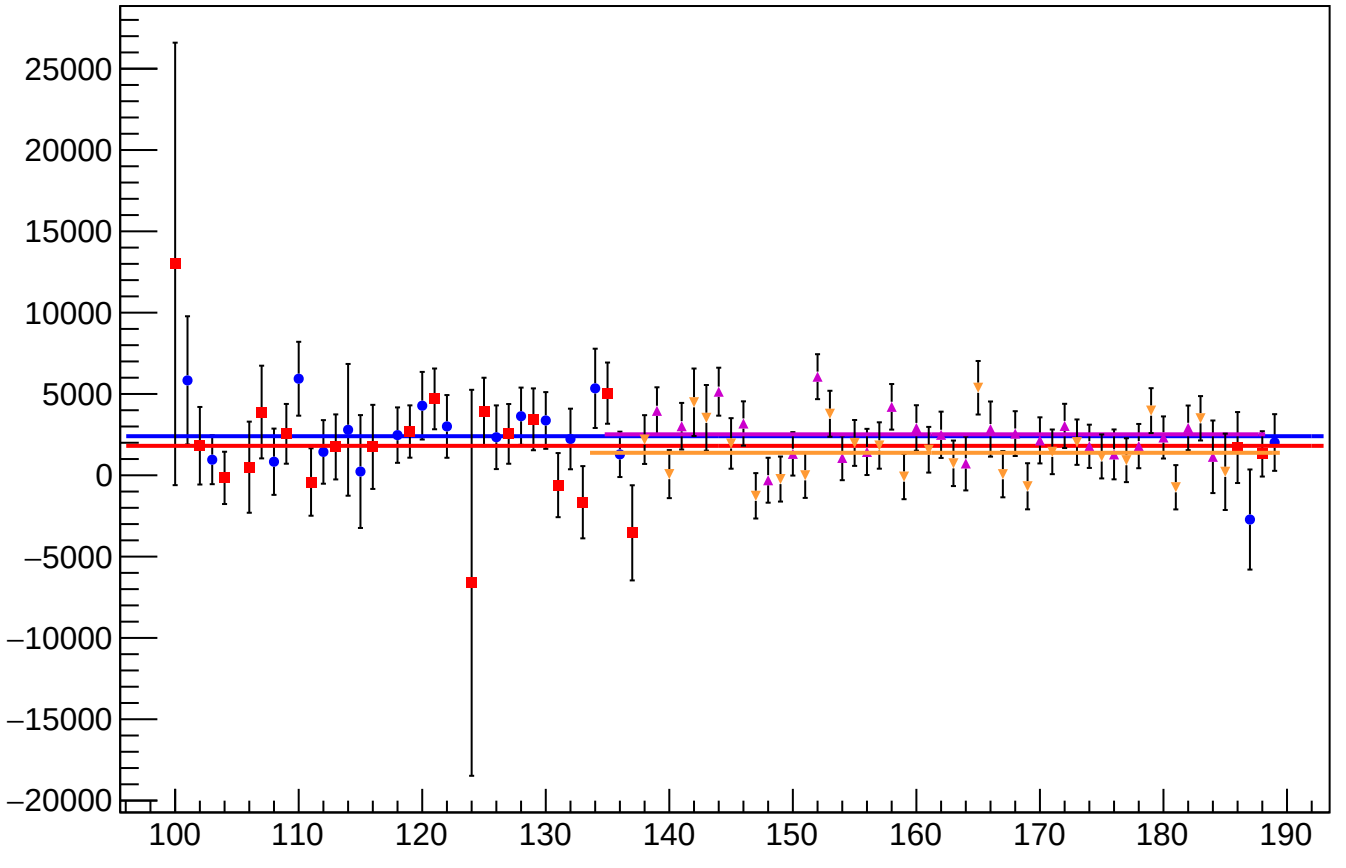
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4662453.8/38

In: 0.000+/-0.000 χ^2/NDF:6290057.1/40

Out: 0.000+/-0.000 χ^2/NDF:7466241.3/45

All: 0.000+/-0.000 χ^2/NDF: 14010851.4/86



Right In: 2403.429+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1810.314+/-455.915 χ^2/NDF: 19.7/20

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

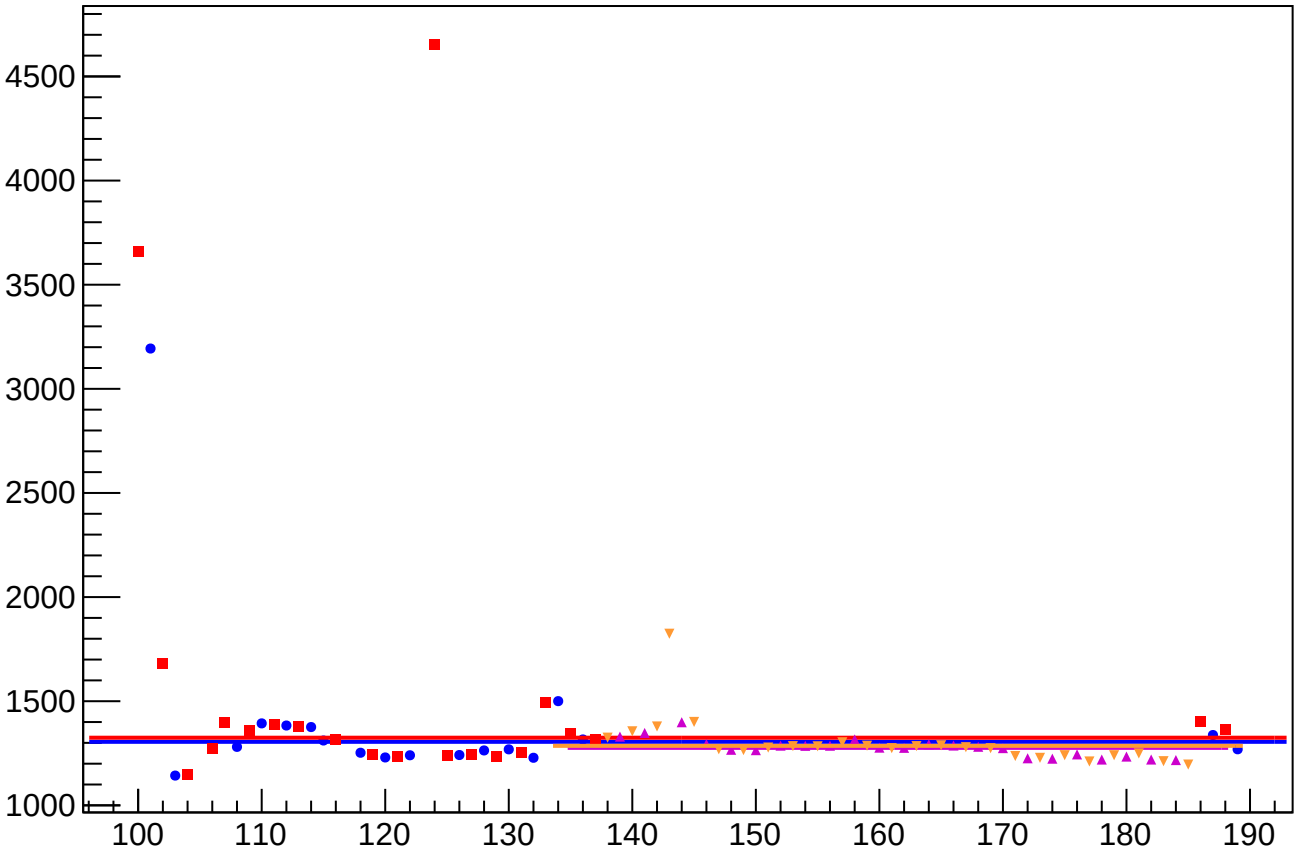
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2097.300+/-327.541 χ^2/NDF: 32.5/38

In: 2486.195+/-251.867 χ^2/NDF:34.5/40

Out: 1507.945+/-246.354 χ^2/NDF:53.2/45

All: 1986.247+/-176.115 χ^2/NDF: 95.4/86



Right In: 1305.019+/-0.333 χ^2/NDF: 517352.5/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1324.798+/-0.322 χ^2/NDF: 331155.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

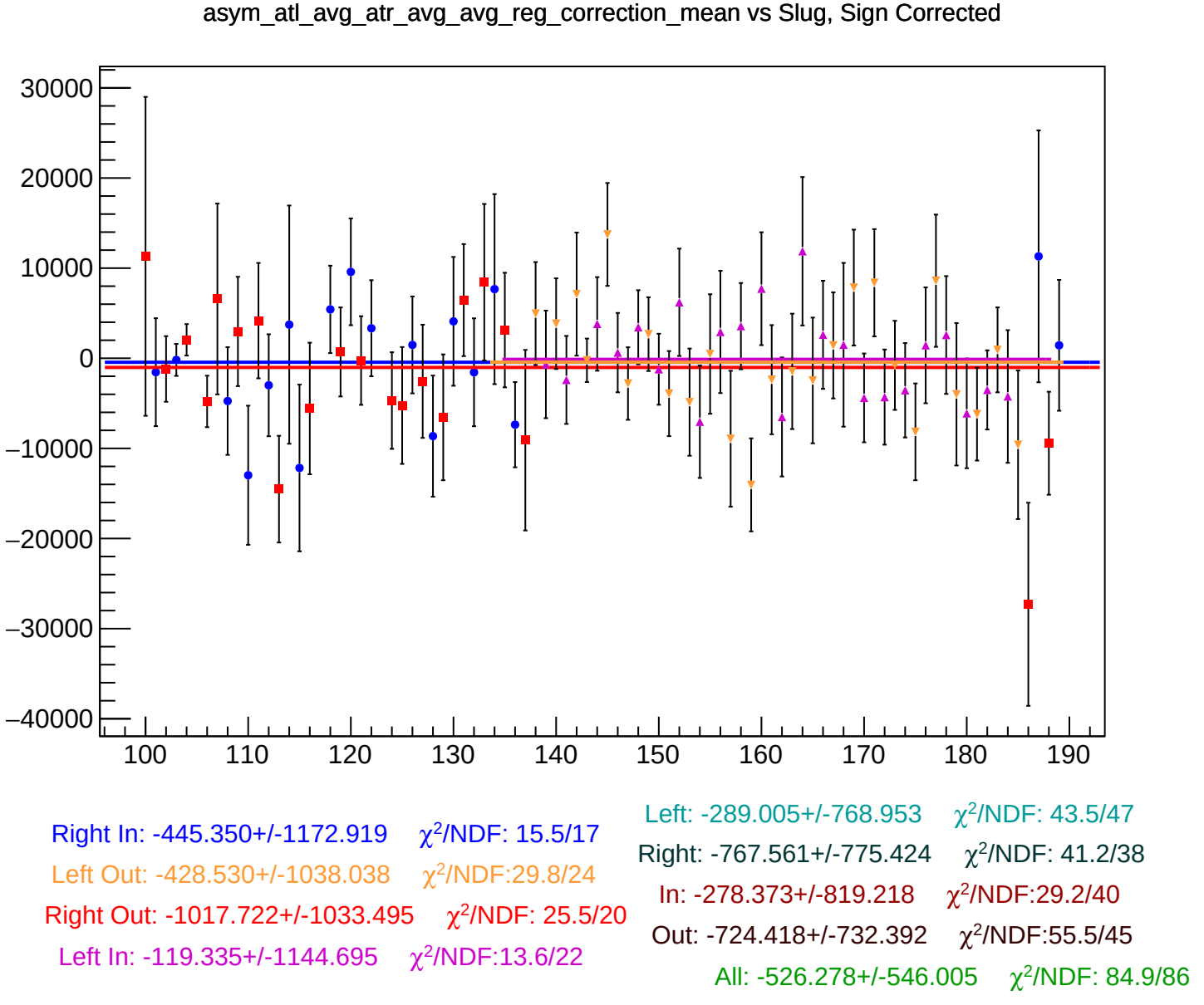
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1315.250+/-0.231 χ^2/NDF: 850333.3/38

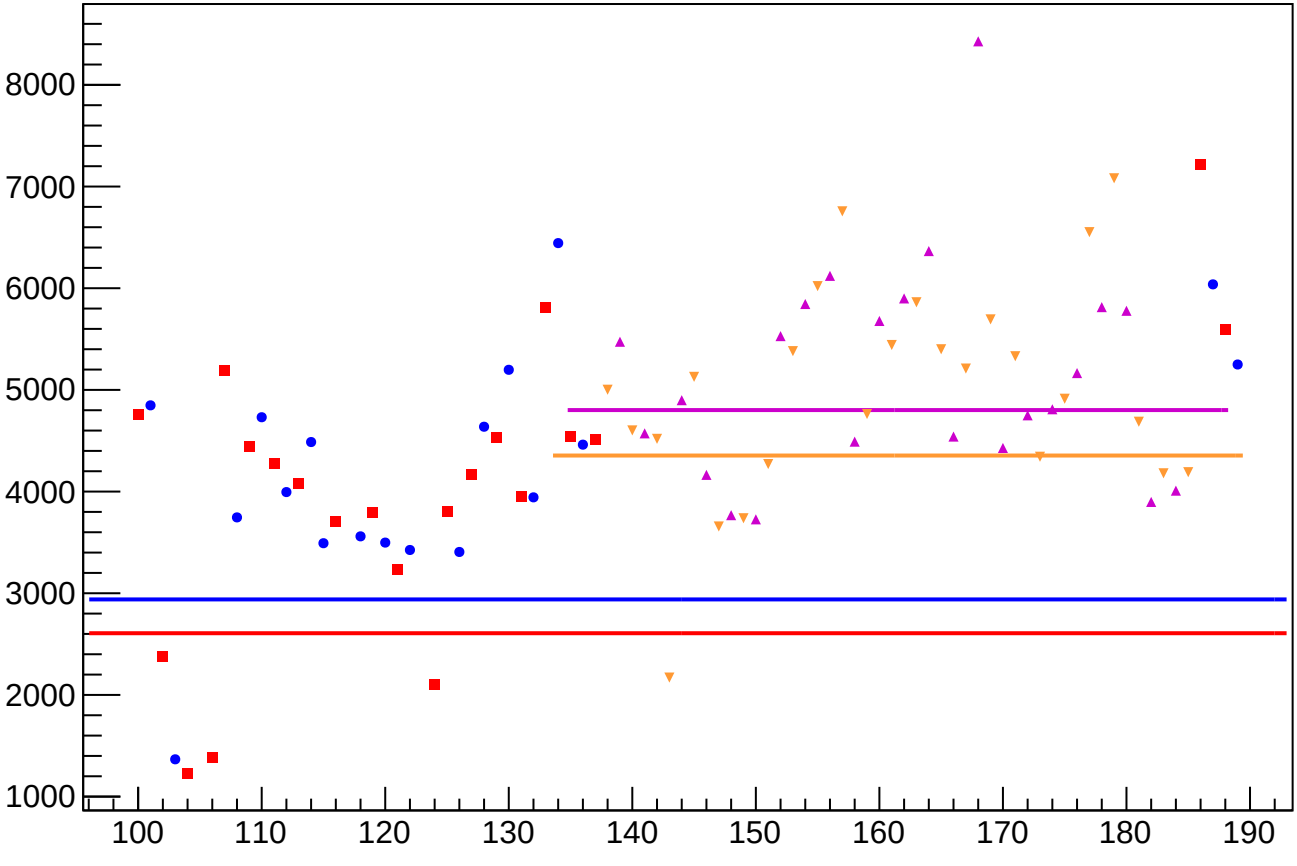
In: 1284.260+/-0.178 χ^2/NDF:564196.3/40

Out: 1297.117+/-0.174 χ^2/NDF:532657.7/45

All: 1290.835+/-0.124 χ^2/NDF: 1099519.1/86


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -445.350+/-1172.919 χ²/NDF: 15.5/17
Left Out: -428.530+/-1038.038 χ²/NDF:29.8/24
Right Out: -1017.722+/-1033.495 χ²/NDF: 25.5/20
Left In: -119.335+/-1144.695 χ²/NDF:13.6/22
Left: -289.005+/-768.953 χ²/NDF: 43.5/47
Right: -767.561+/-775.424 χ²/NDF: 41.2/38
In: -278.373+/-819.218 χ²/NDF:29.2/40
Out: -724.418+/-732.392 χ²/NDF:55.5/45
All: -526.278+/-546.005 χ²/NDF: 84.9/86

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2939.282+/-0.829 χ^2/NDF: 3215975.5/17

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2606.906+/-0.731 χ^2/NDF: 4273154.9/20

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

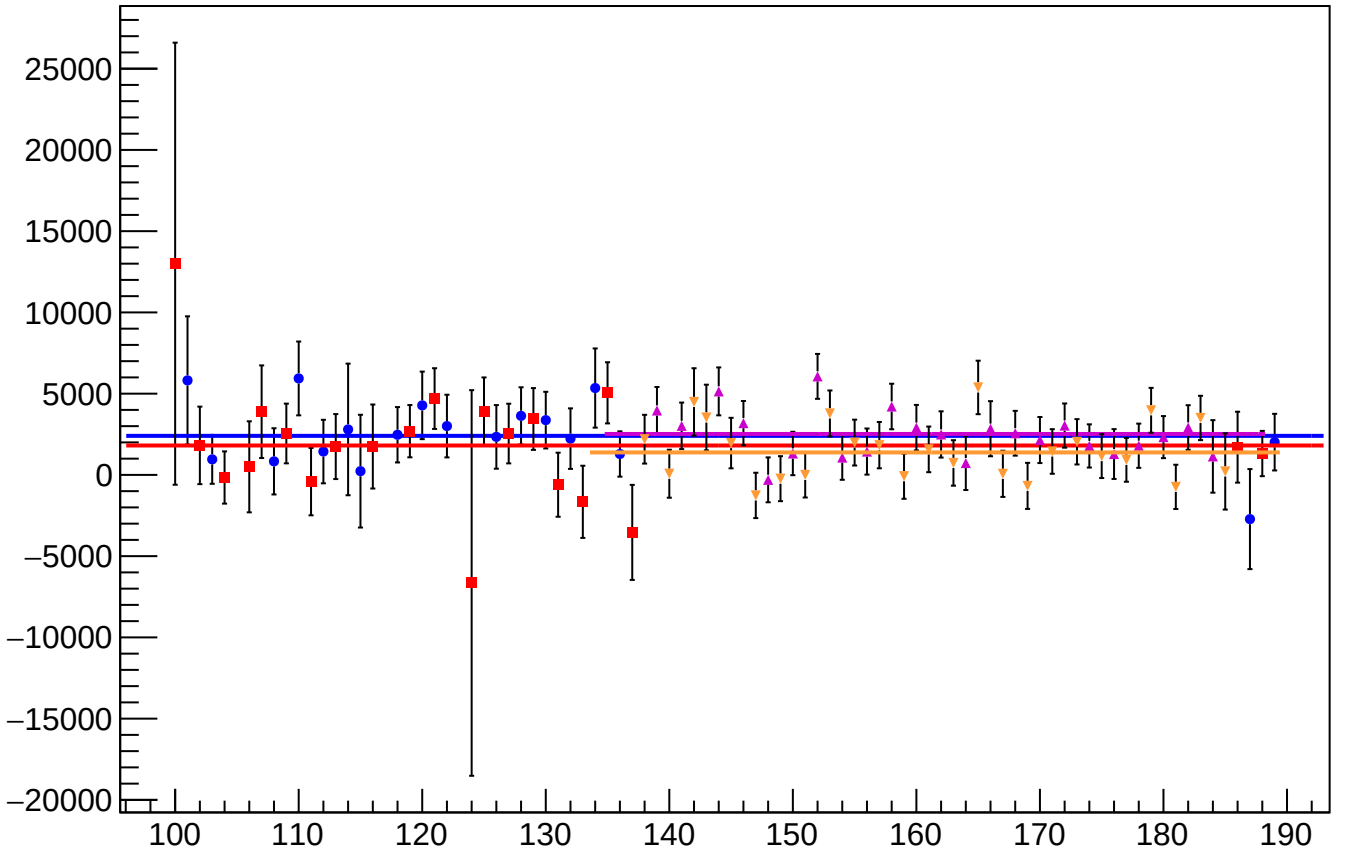
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 2752.174+/-0.548 χ^2/NDF: 7579540.2/38

In: 3893.103+/-0.579 χ^2/NDF:7030168.3/40

Out: 3476.884+/-0.518 χ^2/NDF:10191466.6/45

All: 3661.775+/-0.386 χ^2/NDF: 17508568.6/8



Right In: 2403.212+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1810.071+/-455.915 χ^2/NDF: 19.7/20

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

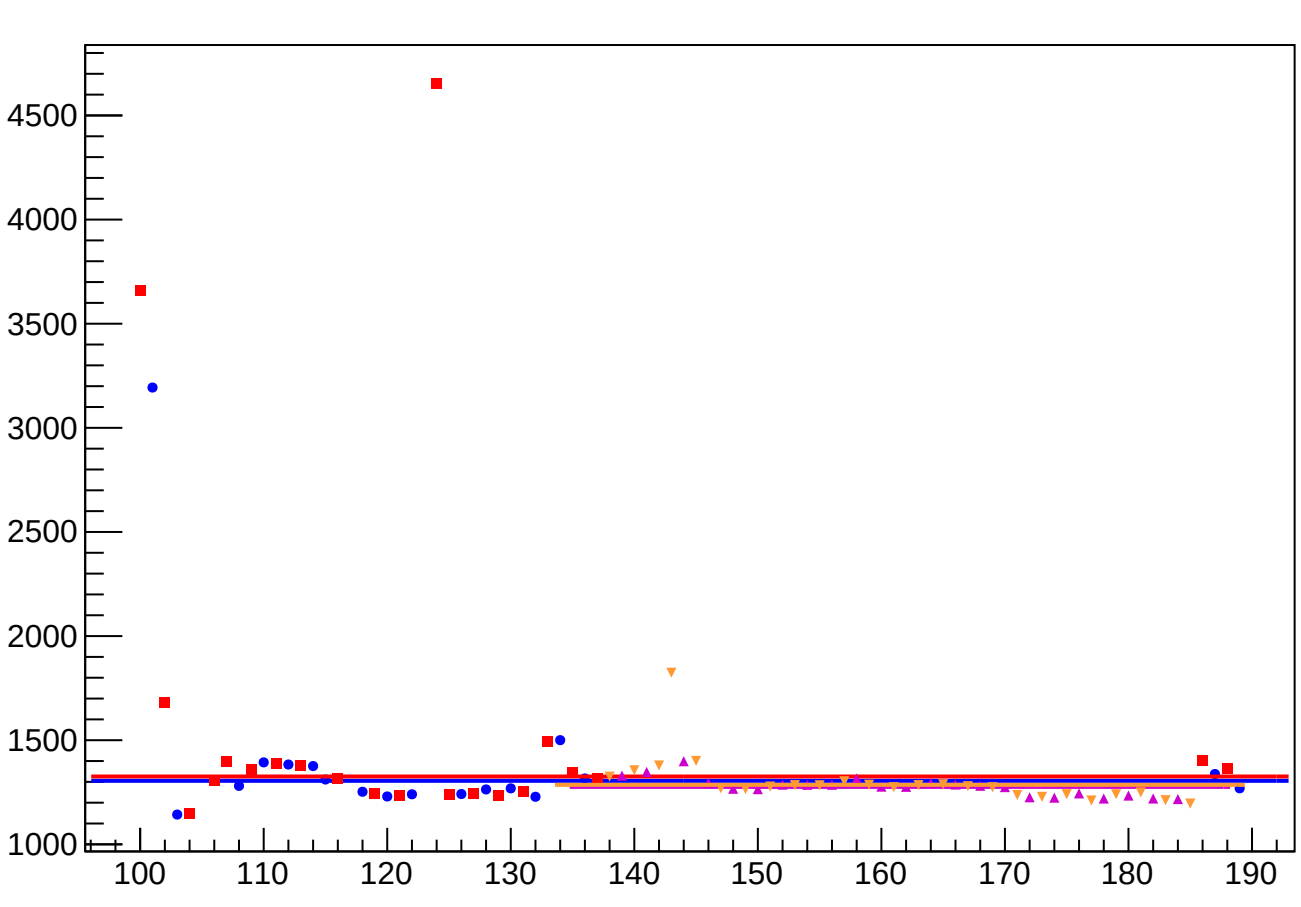
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2097.070+/-327.542 χ^2/NDF: 32.5/38

In: 2486.134+/-251.867 χ^2/NDF:34.5/40

Out: 1507.829+/-246.354 χ^2/NDF:53.2/45

All: 1986.157+/-176.115 χ^2/NDF: 95.4/86



Right In: 1305.018+/-0.333 χ^2/NDF: 517354.0/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1325.770+/-0.322 χ^2/NDF: 330499.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

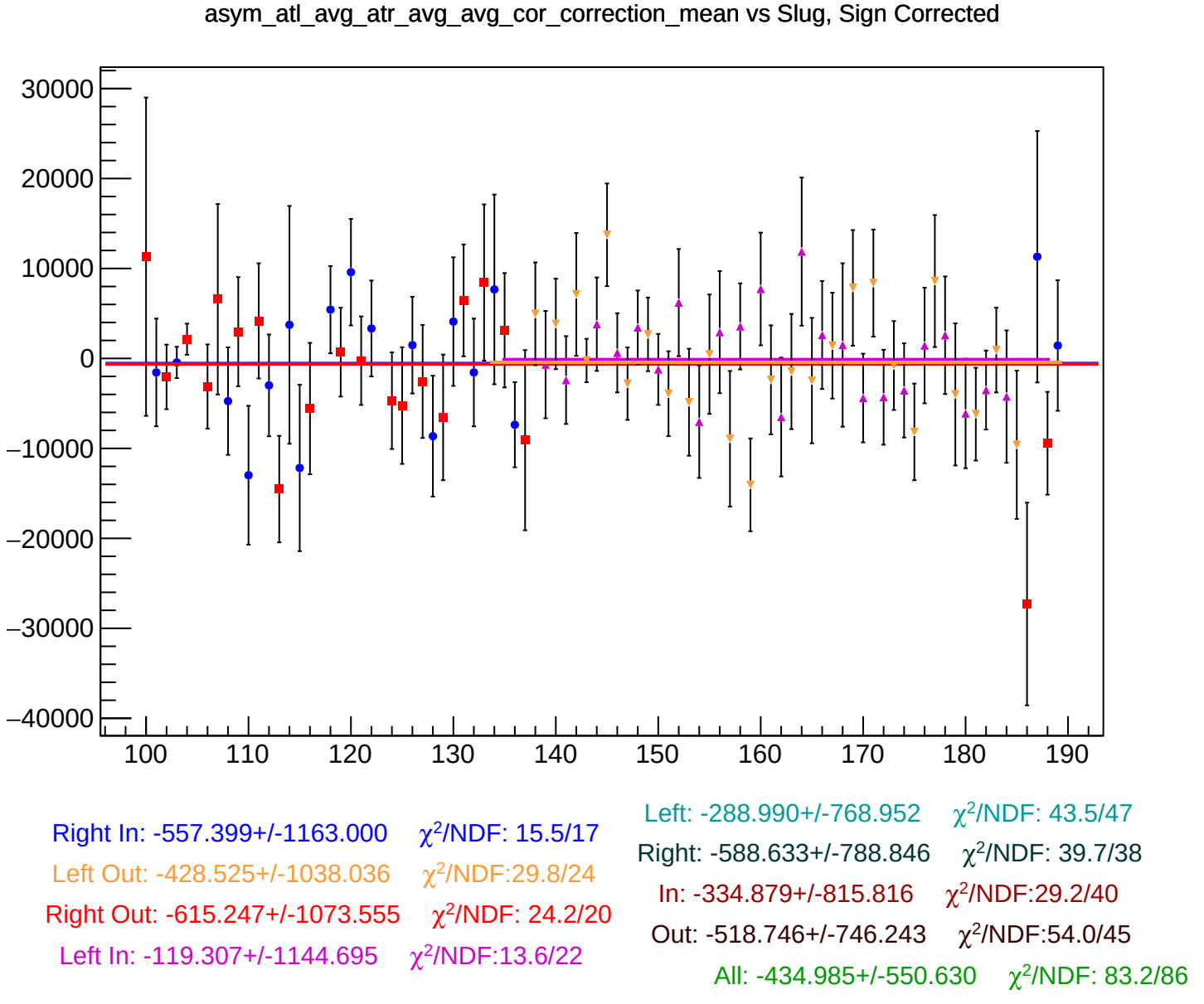
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

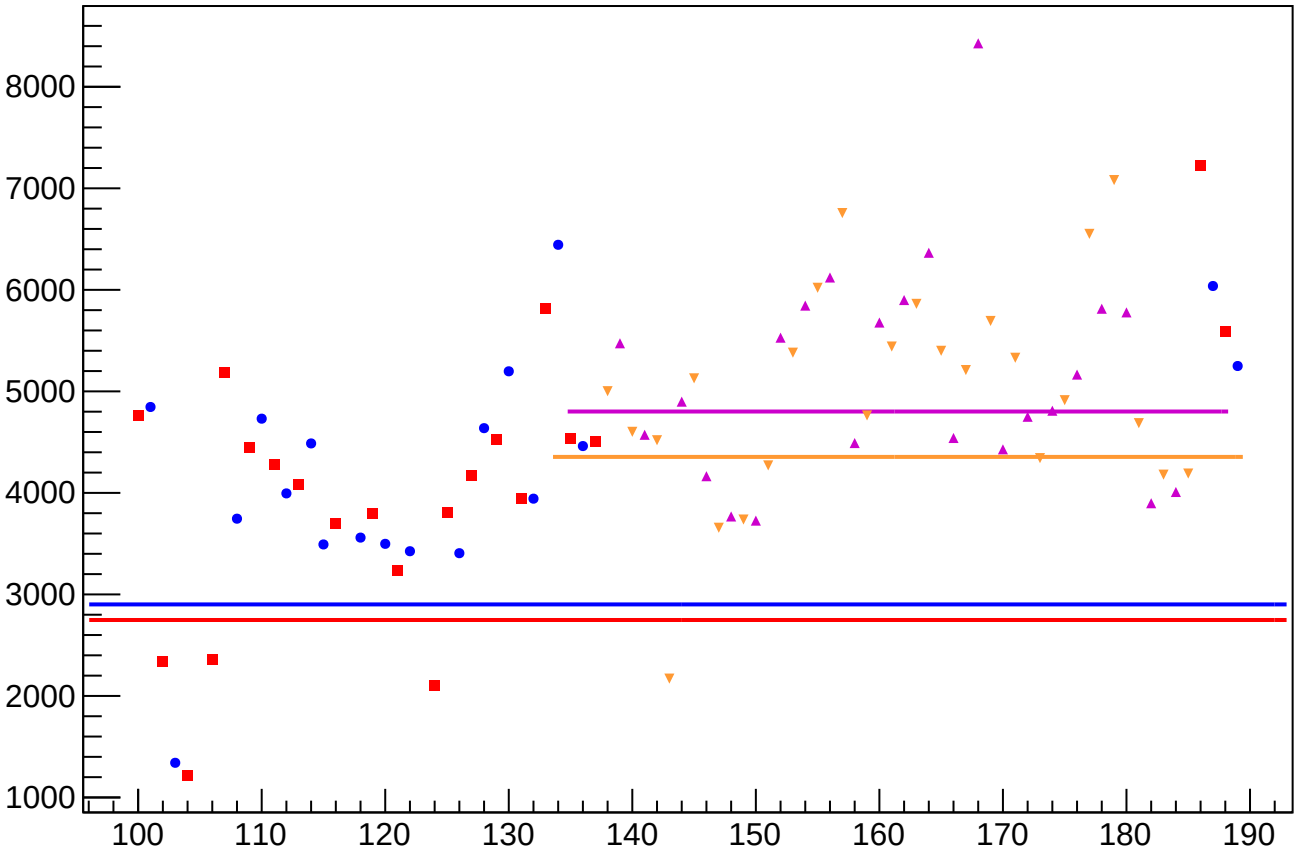
Right: 1315.746+/-0.231 χ^2/NDF: 849861.3/38

In: 1284.260+/-0.178 χ^2/NDF:564197.7/40

Out: 1297.390+/-0.174 χ^2/NDF:532517.6/45

All: 1290.974+/-0.125 χ^2/NDF: 1099494.5/86


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -557.399+/-1163.000 χ²/NDF: 15.5/17
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: -615.247+/-1073.555 χ²/NDF: 24.2/20
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: -588.633+/-788.846 χ²/NDF: 39.7/38
In: -334.879+/-815.816 χ²/NDF:29.2/40
Out: -518.746+/-746.243 χ²/NDF:54.0/45
All: -434.985+/-550.630 χ²/NDF: 83.2/86



Right In: 2901.558+/-0.822 χ^2/NDF: 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2748.049+/-0.759 χ^2/NDF: 3927116.0/20

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

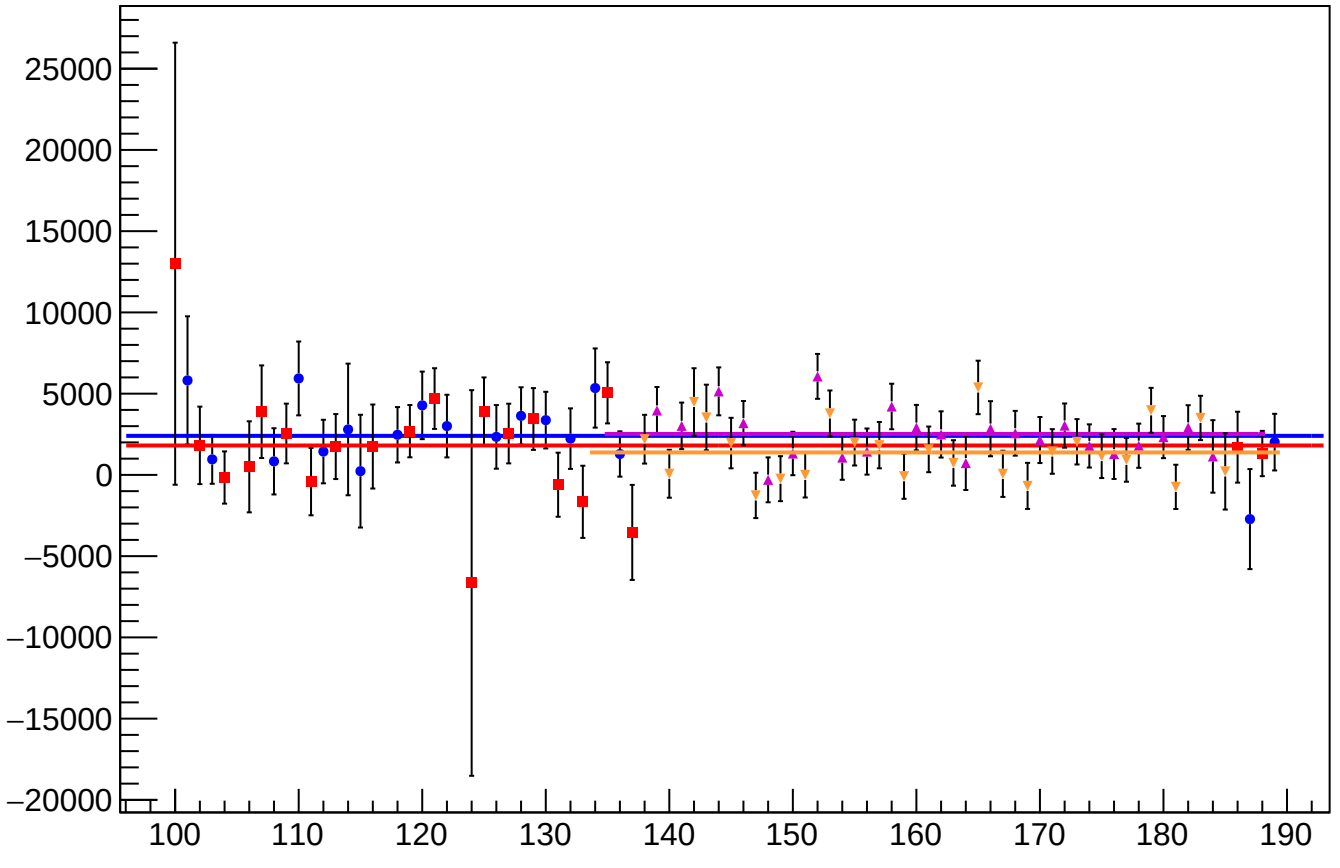
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2818.674+/-0.558 χ^2/NDF: 7273862.6/38

In: 3866.634+/-0.577 χ^2/NDF:7271197.3/40

Out: 3578.294+/-0.528 χ^2/NDF:9313153.4/45

All: 3709.647+/-0.389 χ^2/NDF: 16720374.2/8



Right In: 2403.212+/-470.874 χ^2/NDF: 12.0/17

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1810.071+/-455.915 χ^2/NDF: 19.7/20

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

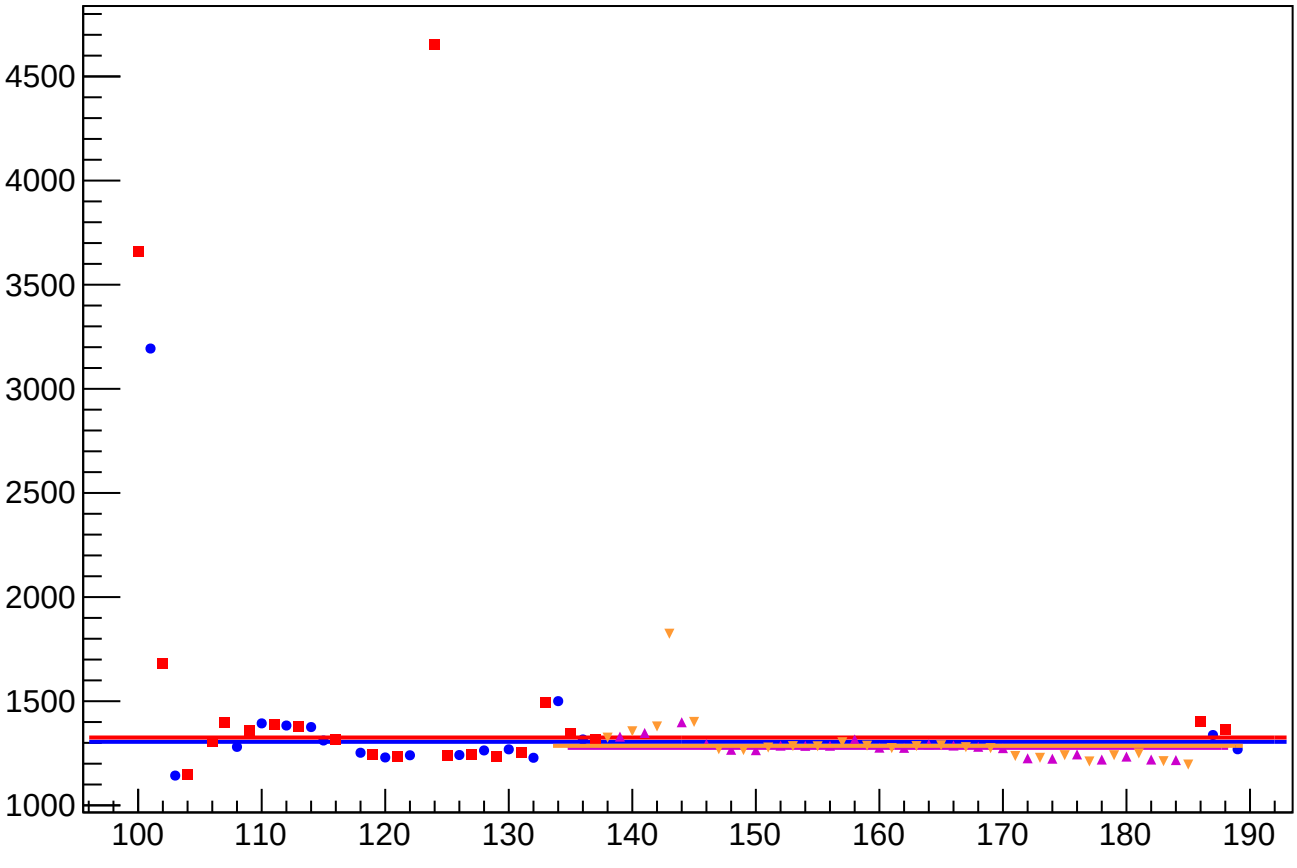
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2097.070+/-327.542 χ^2/NDF: 32.5/38

In: 2486.134+/-251.867 χ^2/NDF:34.5/40

Out: 1507.829+/-246.354 χ^2/NDF:53.2/45

All: 1986.157+/-176.115 χ^2/NDF: 95.4/86



Right In: 1305.018+/-0.333 χ^2/NDF: 517354.0/17

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1325.770+/-0.322 χ^2/NDF: 330499.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

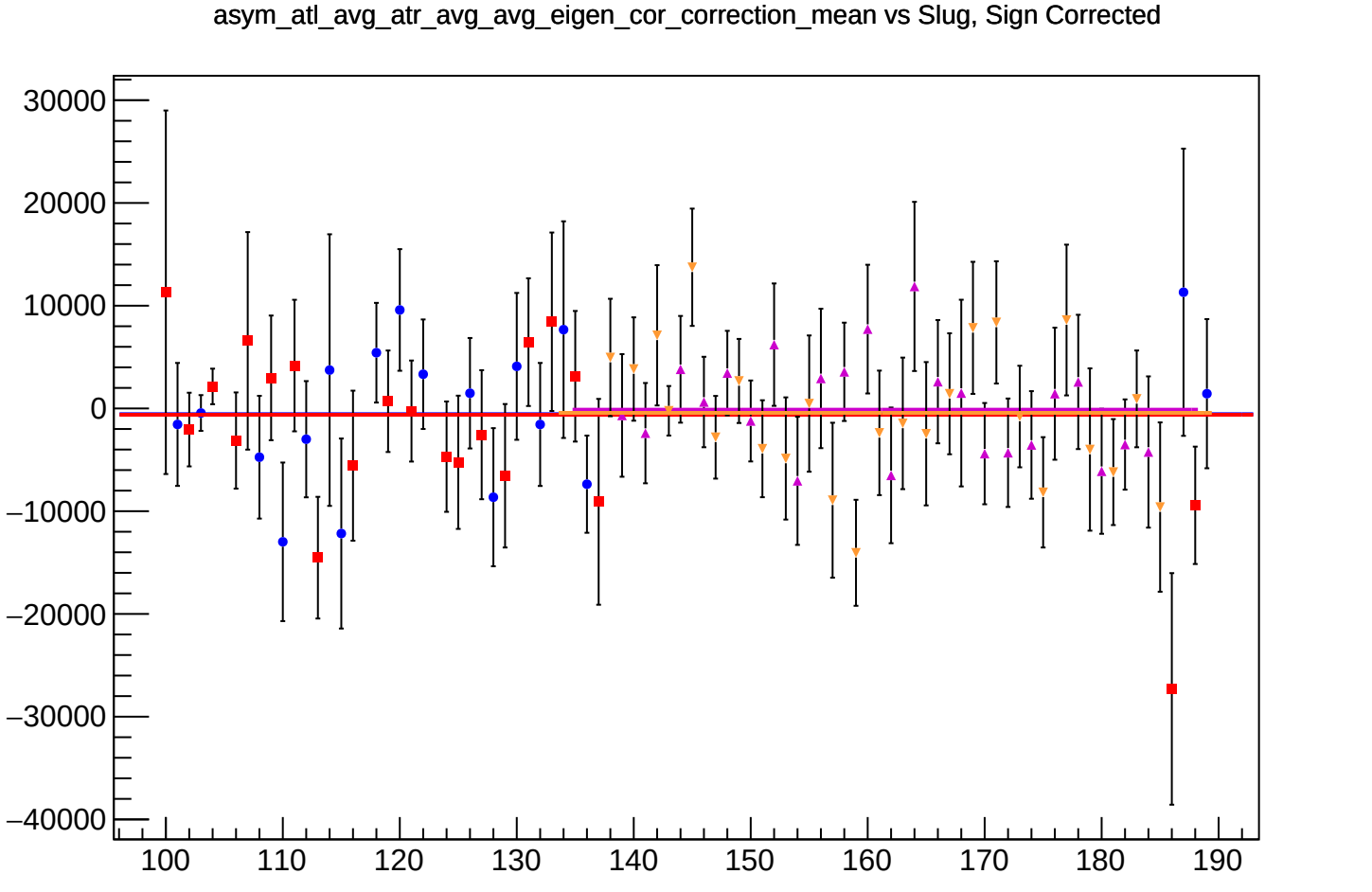
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1315.746+/-0.231 χ^2/NDF: 849861.3/38

In: 1284.260+/-0.178 χ^2/NDF:564197.7/40

Out: 1297.390+/-0.174 χ^2/NDF:532517.6/45

All: 1290.974+/-0.125 χ^2/NDF: 1099494.5/86



Right In: -557.399+/-1163.000 χ^2/NDF: 15.5/17

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -615.247+/-1073.555 χ^2/NDF: 24.2/20

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

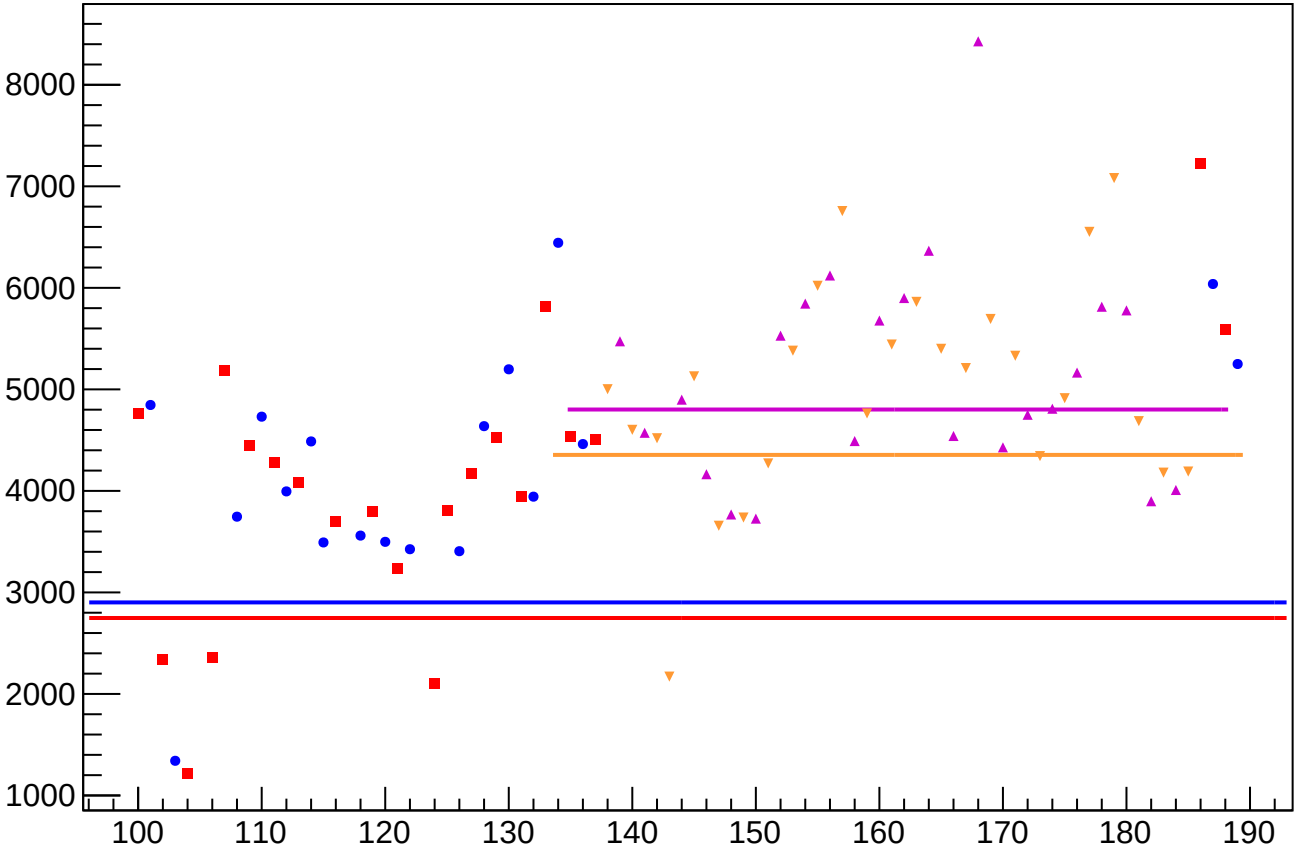
Right: -588.633+/-788.846 χ^2/NDF: 39.7/38

In: -334.879+/-815.816 χ^2/NDF:29.2/40

Out: -518.746+/-746.243 χ^2/NDF:54.0/45

All: -434.985+/-550.630 χ^2/NDF: 83.2/86

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2901.558+/-0.822 χ^2/NDF: 3327932.9/17

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2748.049+/-0.759 χ^2/NDF: 3927116.0/20

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

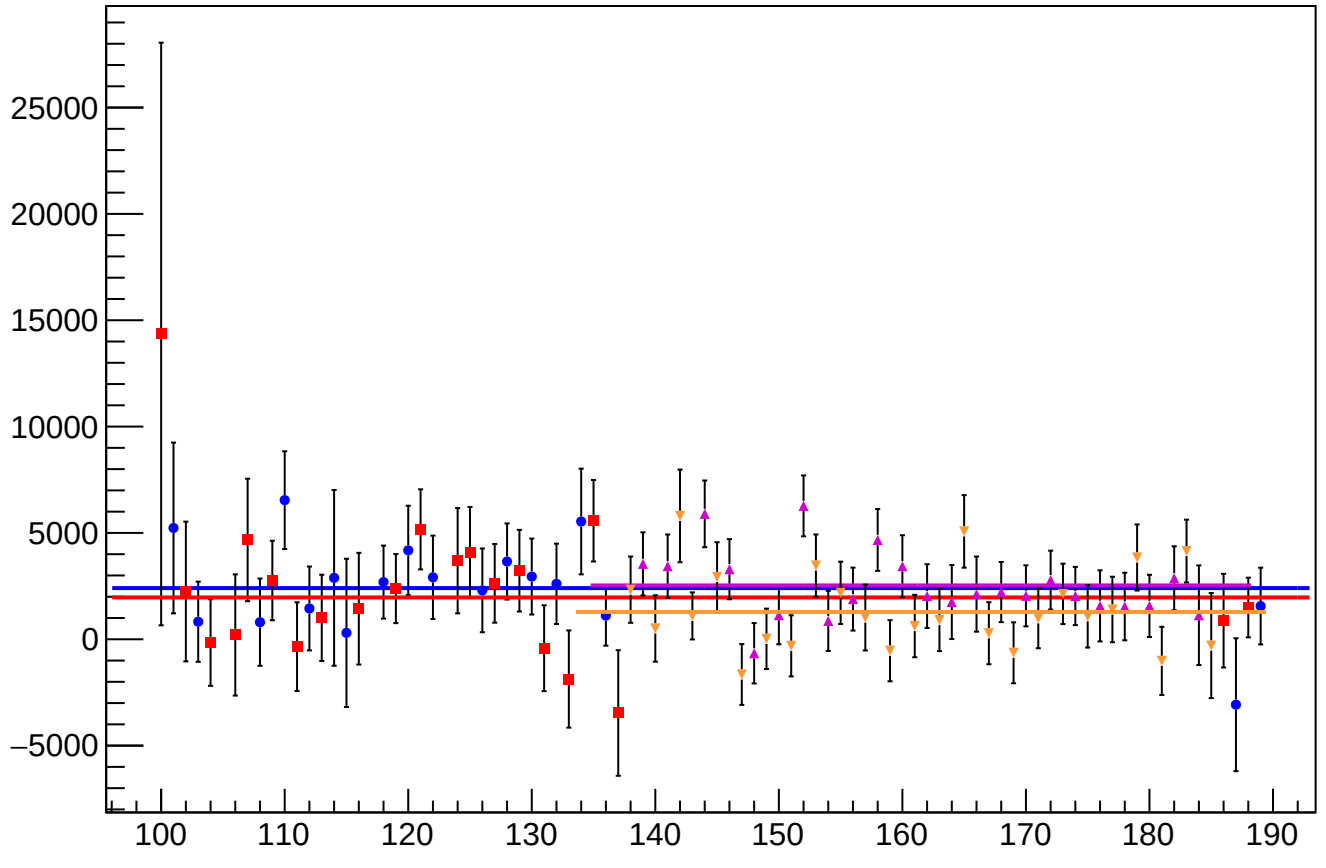
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2818.674+/-0.558 χ^2/NDF: 7273862.6/38

In: 3866.634+/-0.577 χ^2/NDF:7271197.3/40

Out: 3578.294+/-0.528 χ^2/NDF:9313153.4/45

All: 3709.647+/-0.389 χ^2/NDF: 16720374.2/8



Right In: 2405.839+/-486.133 χ^2/NDF: 12.8/17

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1966.675+/-464.352 χ^2/NDF: 21.4/20

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

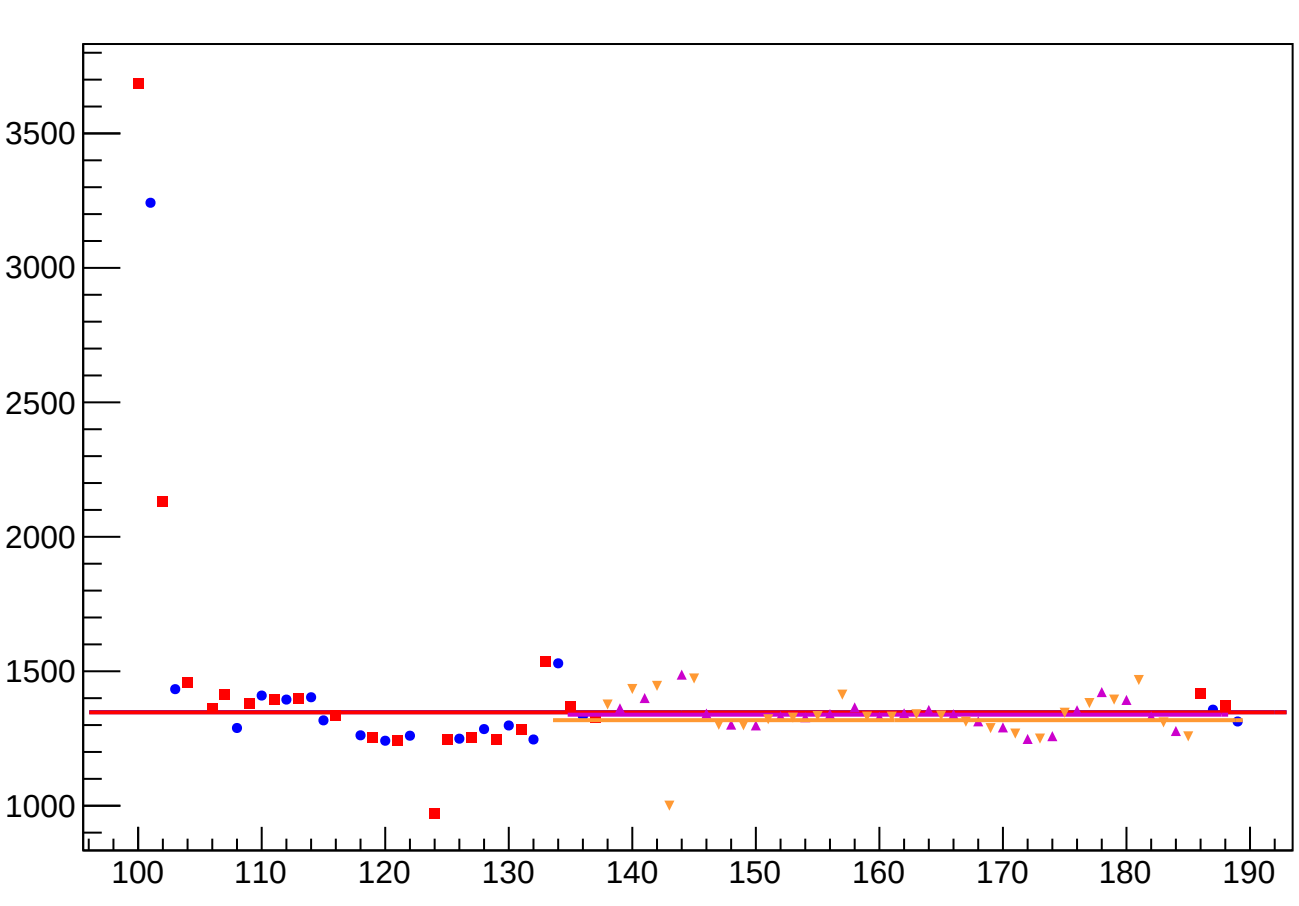
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2176.198+/-335.782 χ^2/NDF: 34.6/38

In: 2494.898+/-263.102 χ^2/NDF:37.9/40

Out: 1485.832+/-252.299 χ^2/NDF:56.3/45

All: 1969.225+/-182.102 χ^2/NDF: 101.8/86



Right In: 1347.845+/-0.344 χ^2/NDF: 494851.6/17

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1347.284+/-0.328 χ^2/NDF: 275136.9/20

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

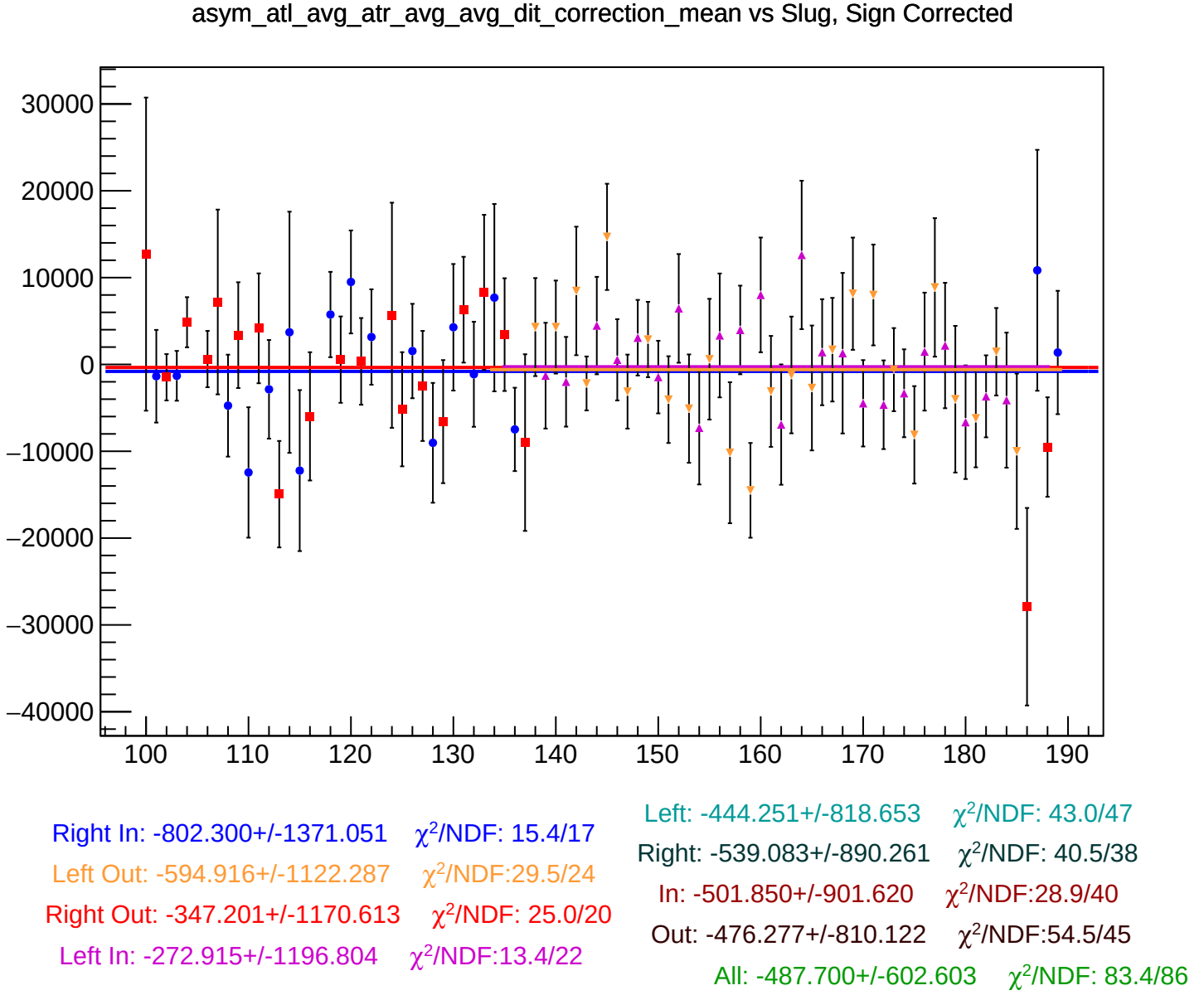
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1347.551+/-0.237 χ^2/NDF: 769989.9/38

In: 1341.310+/-0.186 χ^2/NDF:549611.2/40

Out: 1326.774+/-0.178 χ^2/NDF:529228.0/45

All: 1333.736+/-0.129 χ^2/NDF: 1082019.7/86


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
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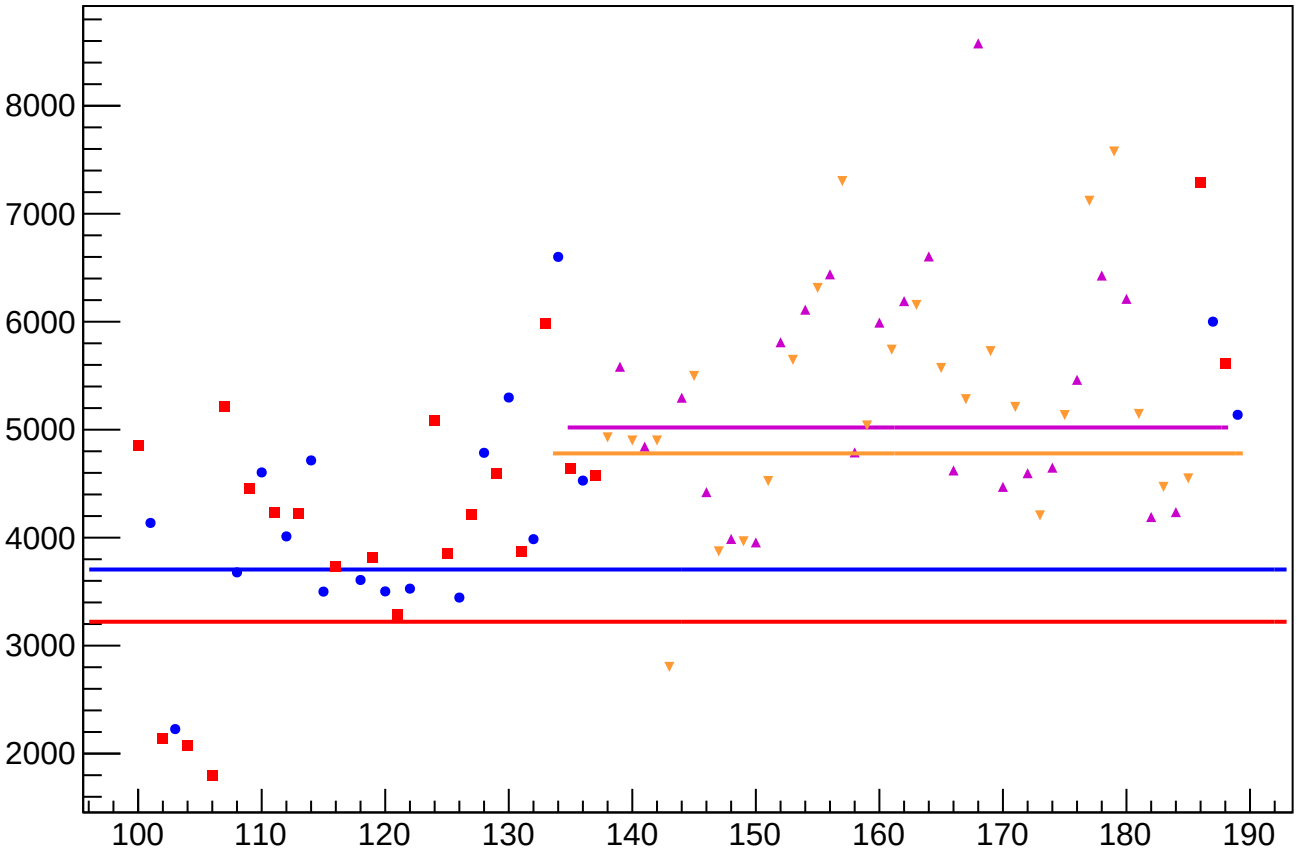
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -802.300+/-1371.051 χ²/NDF: 15.4/17
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: -347.201+/-1170.613 χ²/NDF: 25.0/20
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -539.083+/-890.261 χ²/NDF: 40.5/38
In: -501.850+/-901.620 χ²/NDF:28.9/40
Out: -476.277+/-810.122 χ²/NDF:54.5/45
All: -487.700+/-602.603 χ²/NDF: 83.4/86



Right In: 3705.027+/-0.969 χ^2/NDF: 1087411.3/17

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3221.153+/-0.828 χ^2/NDF: 2473547.6/20

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

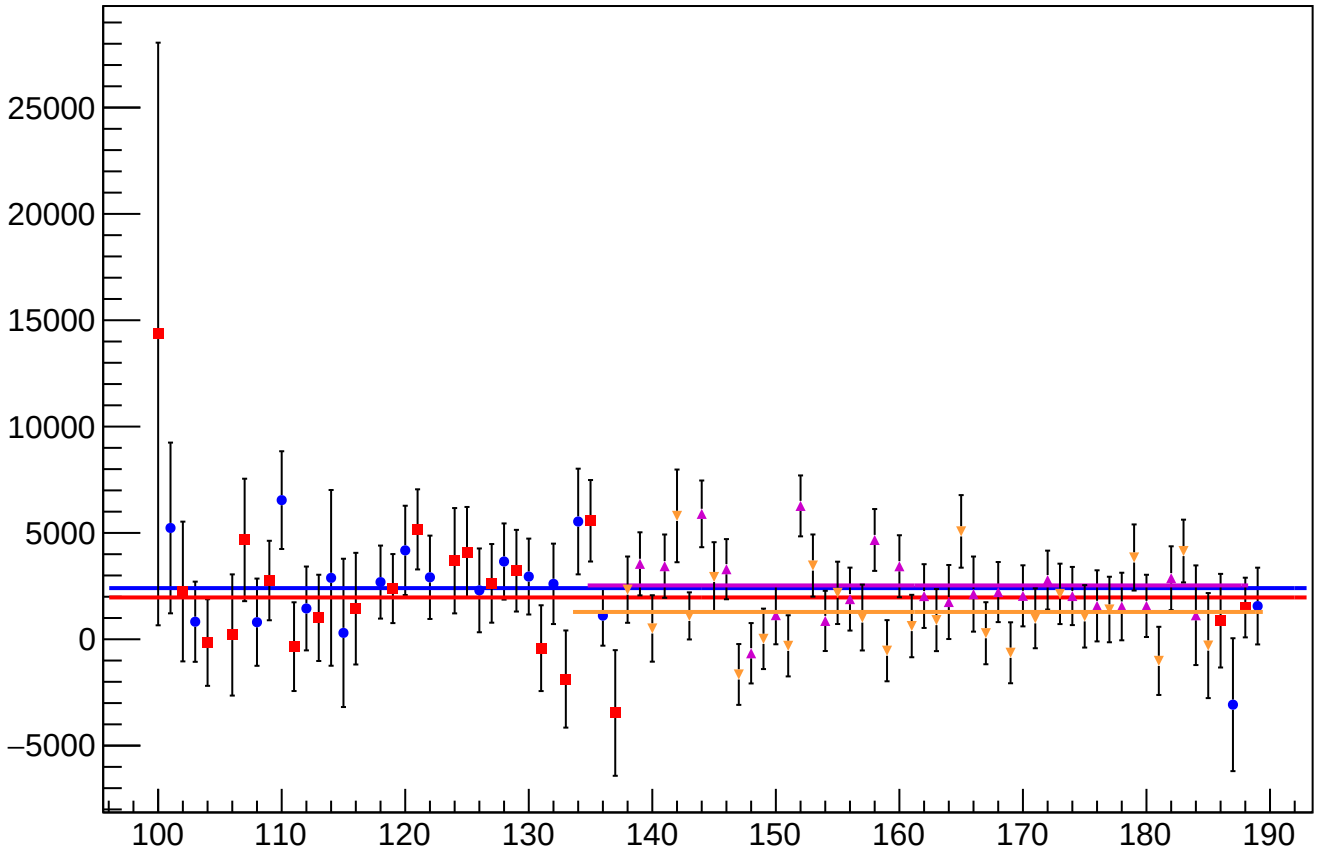
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3425.167+/-0.630 χ^2/NDF: 3705036.3/38

In: 4451.652+/-0.638 χ^2/NDF:3357529.6/40

Out: 4033.623+/-0.573 χ^2/NDF:6328740.8/45

All: 4220.356+/-0.426 χ^2/NDF: 9924149.7/86



Right In: 2405.839+/-486.133 χ^2/NDF: 12.8/17

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1966.677+/-464.352 χ^2/NDF: 21.4/20

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

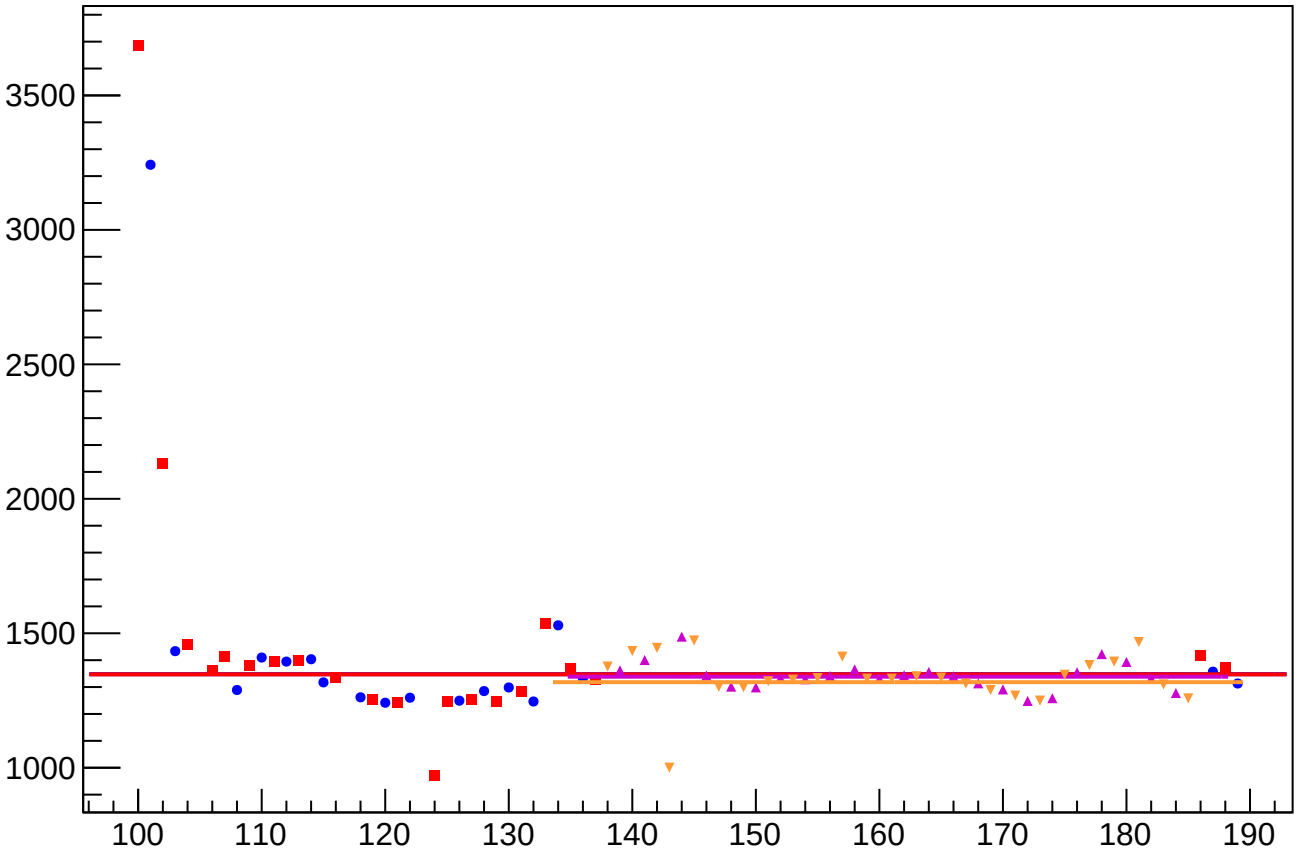
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2176.200+/-335.782 χ^2/NDF: 34.6/38

In: 2494.898+/-263.102 χ^2/NDF:37.9/40

Out: 1485.830+/-252.299 χ^2/NDF:56.3/45

All: 1969.224+/-182.102 χ^2/NDF: 101.8/86



Right In: 1347.844+/-0.344 χ^2/NDF: 494851.8/17

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1347.283+/-0.328 χ^2/NDF: 275135.9/20

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

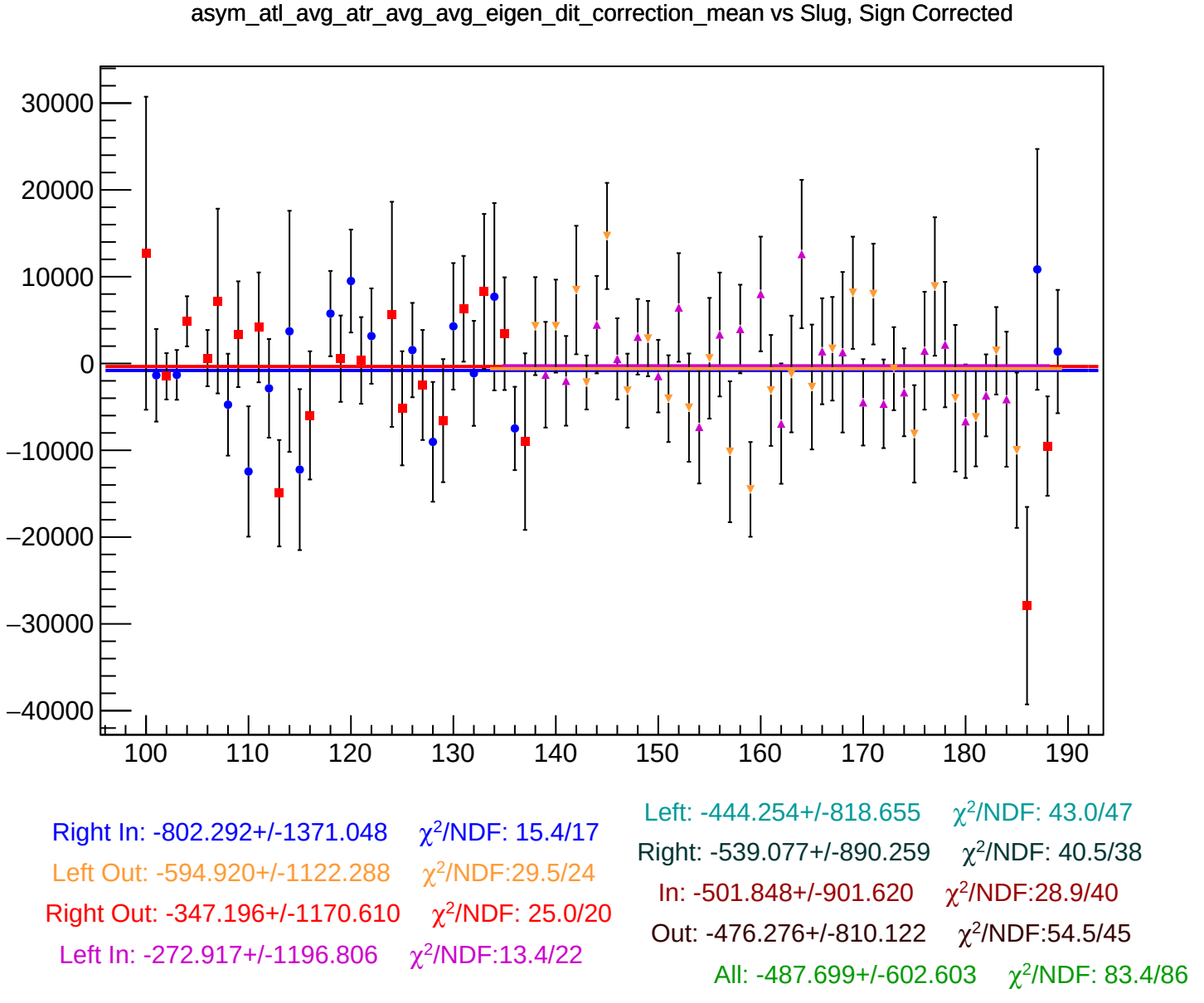
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

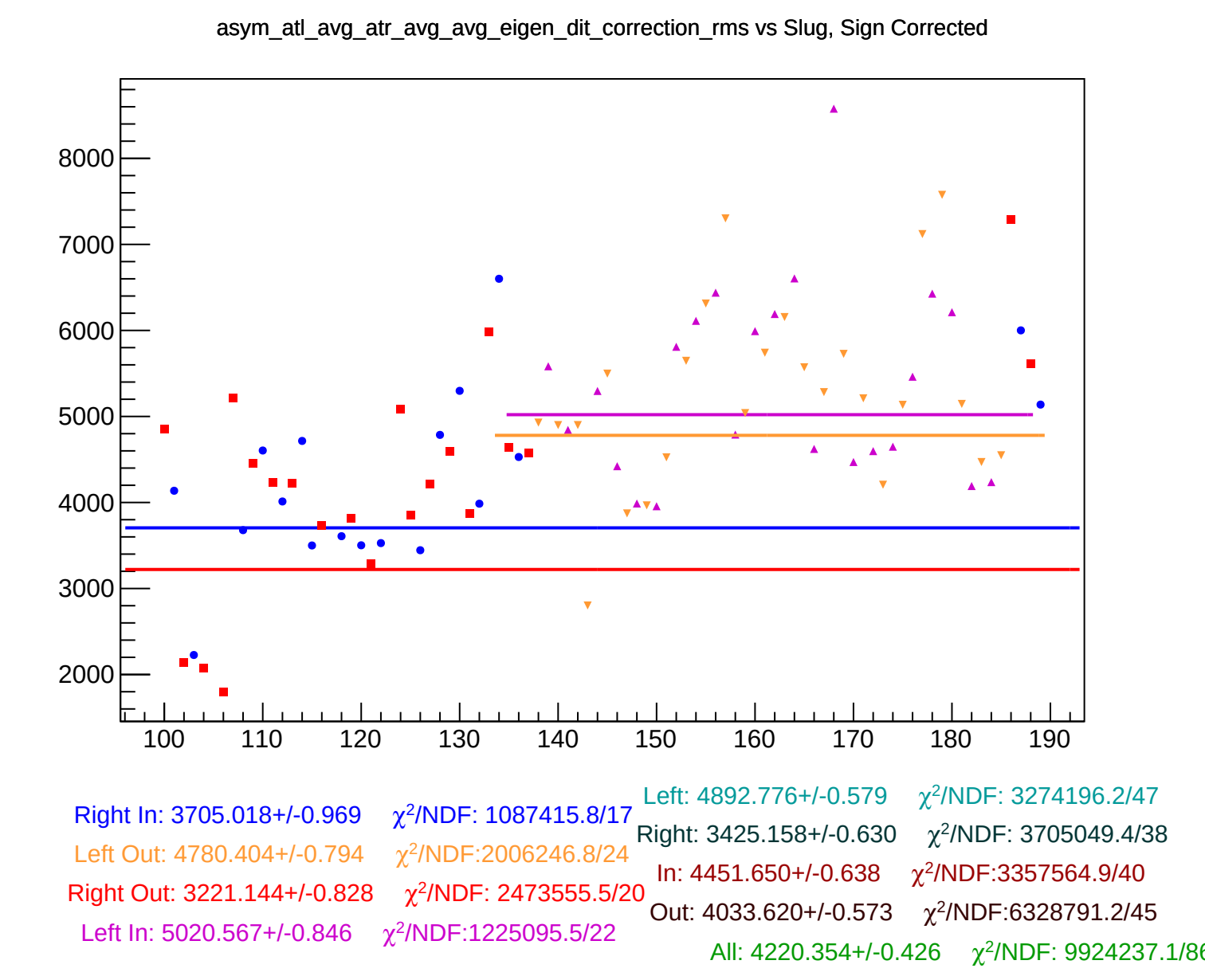
Right: 1347.551+/-0.237 χ^2/NDF: 769989.0/38

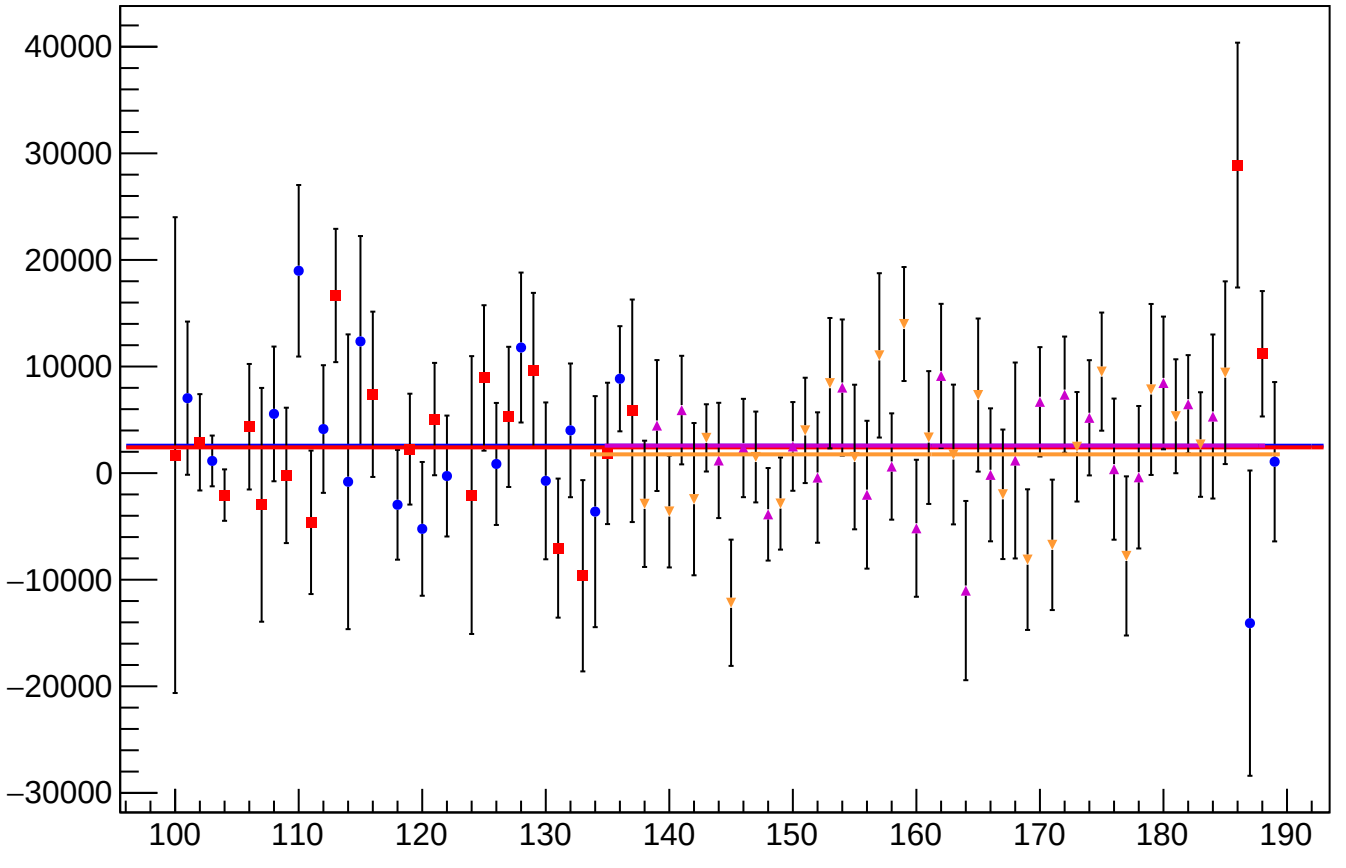
In: 1341.310+/-0.186 χ^2/NDF:549613.7/40

Out: 1326.775+/-0.178 χ^2/NDF:529228.9/45

All: 1333.737+/-0.129 χ^2/NDF: 1082023.1/86


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -802.292+/-1371.048 χ²/NDF: 15.4/17
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -347.196+/-1170.610 χ²/NDF: 25.0/20
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -539.077+/-890.259 χ²/NDF: 40.5/38
In: -501.848+/-901.620 χ²/NDF:28.9/40
Out: -476.276+/-810.122 χ²/NDF:54.5/45
All: -487.699+/-602.603 χ²/NDF: 83.4/86


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3705.018+/-0.969 χ²/NDF: 1087415.8/17
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 3221.144+/-0.828 χ²/NDF: 2473555.5/20
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 3425.158+/-0.630 χ²/NDF: 3705049.4/38
In: 4451.650+/-0.638 χ²/NDF:3357564.9/40
Out: 4033.620+/-0.573 χ²/NDF:6328791.2/45
All: 4220.354+/-0.426 χ²/NDF: 9924237.1/86



Right In: 2572.222+/-1359.863 χ^2/NDF: 14.6/17

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2415.162+/-1295.446 χ^2/NDF: 24.7/20

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

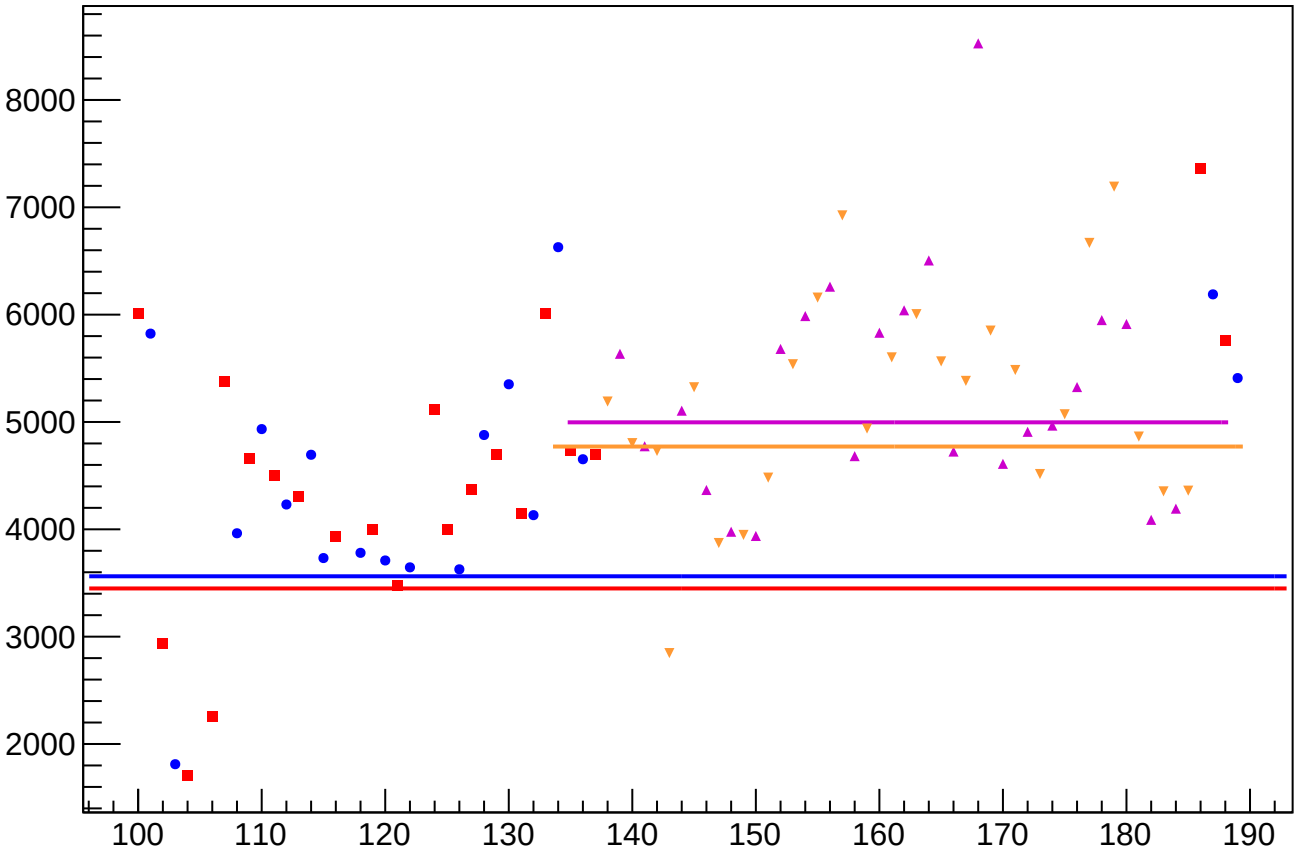
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2489.884+/-937.965 χ^2/NDF: 39.3/38

In: 2576.609+/-894.865 χ^2/NDF:27.9/40

Out: 2040.129+/-845.617 χ^2/NDF:52.5/45

All: 2293.201+/-614.615 χ^2/NDF: 80.6/86



Right In: 3562.443+/-0.962 χ^2/NDF: 2041465.5/17

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 3449.058+/-0.904 χ^2/NDF: 2447813.5/20

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

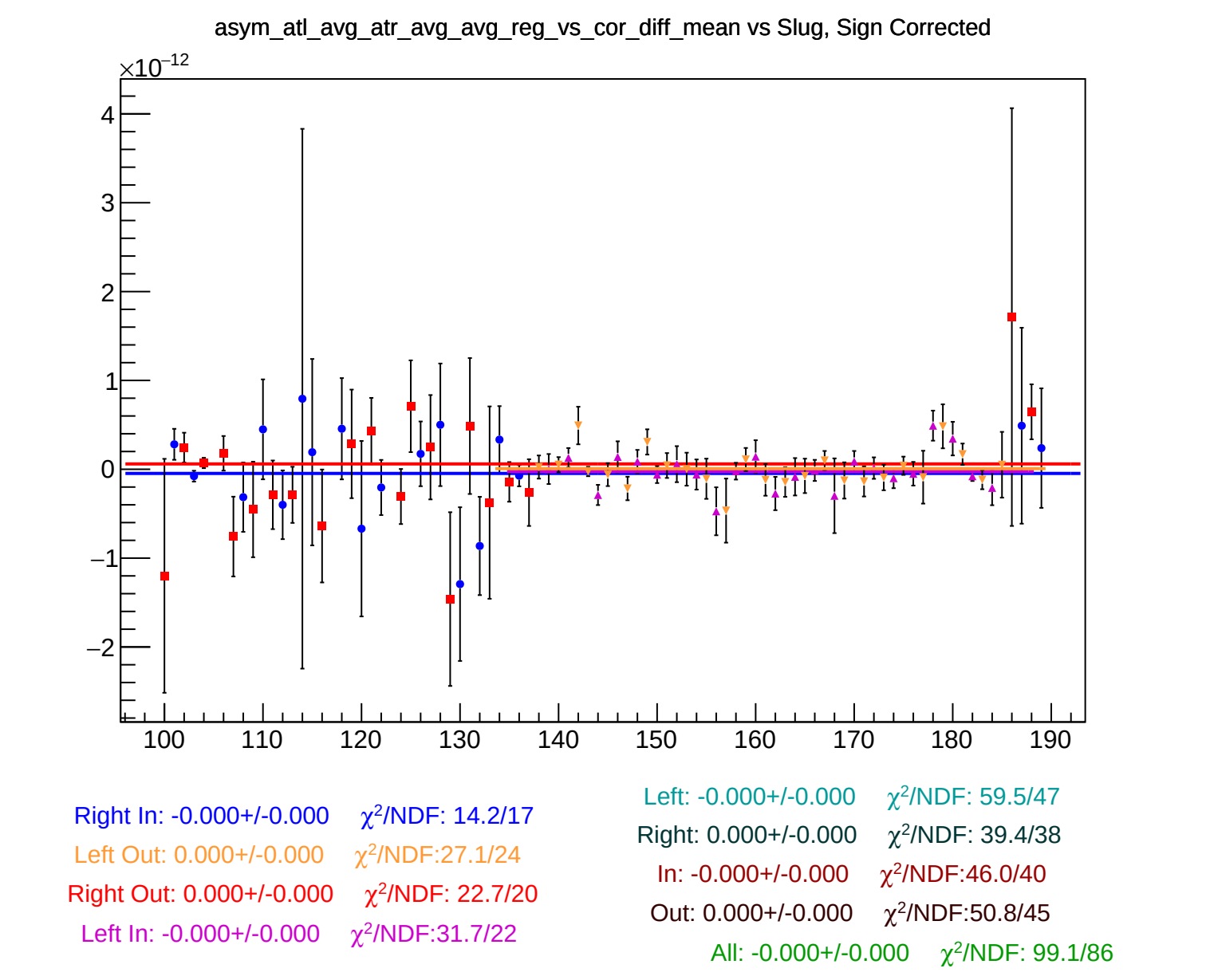
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

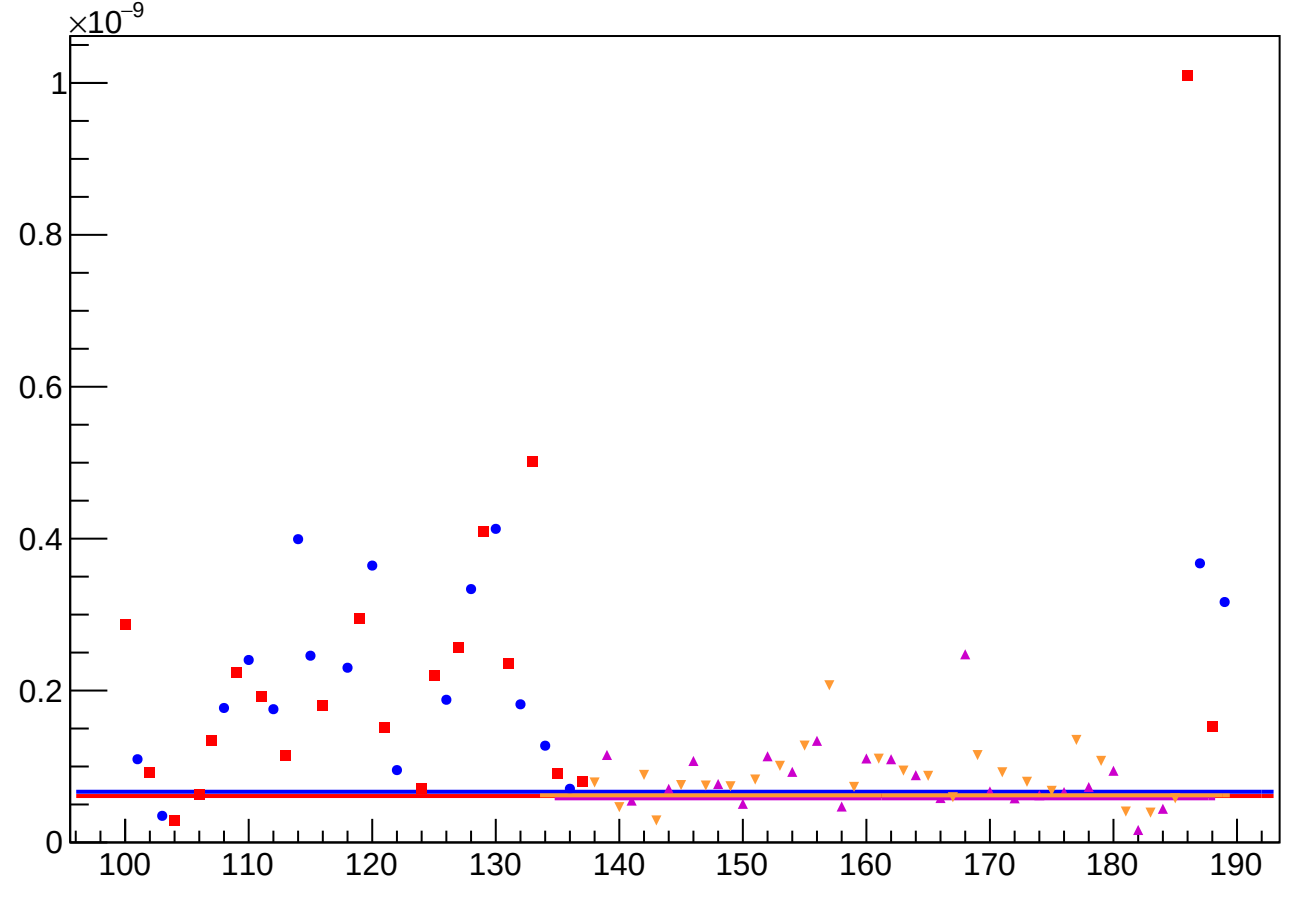
Right: 3502.271+/-0.659 χ^2/NDF: 4496657.9/38

In: 4375.619+/-0.633 χ^2/NDF:4398776.8/40

Out: 4199.452+/-0.595 χ^2/NDF:5448235.7/45

All: 4282.068+/-0.433 χ^2/NDF: 9888174.1/86


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.2/17
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.7/20
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: 39.4/38
In: -0.000+/-0.000 χ²/NDF:46.0/40
Out: 0.000+/-0.000 χ²/NDF:50.8/45
All: -0.000+/-0.000 χ²/NDF: 99.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 3020633.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3363106.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

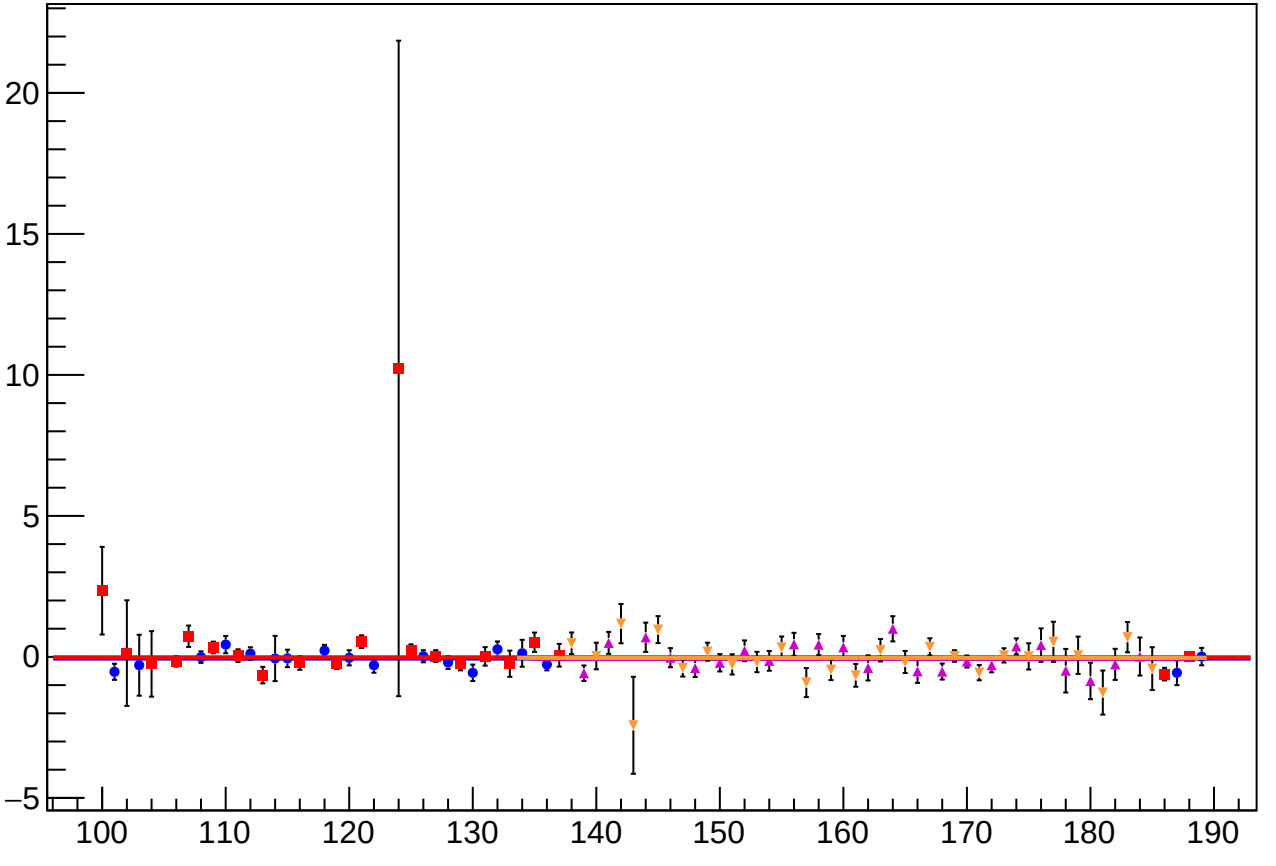
Right: 0.000+/-0.000 χ^2/NDF: 6397745.5/38

In: 0.000+/-0.000 χ^2/NDF:6036825.8/40

Out: 0.000+/-0.000 χ^2/NDF:5807052.7/45

All: 0.000+/-0.000 χ^2/NDF: 11849657.7/86

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

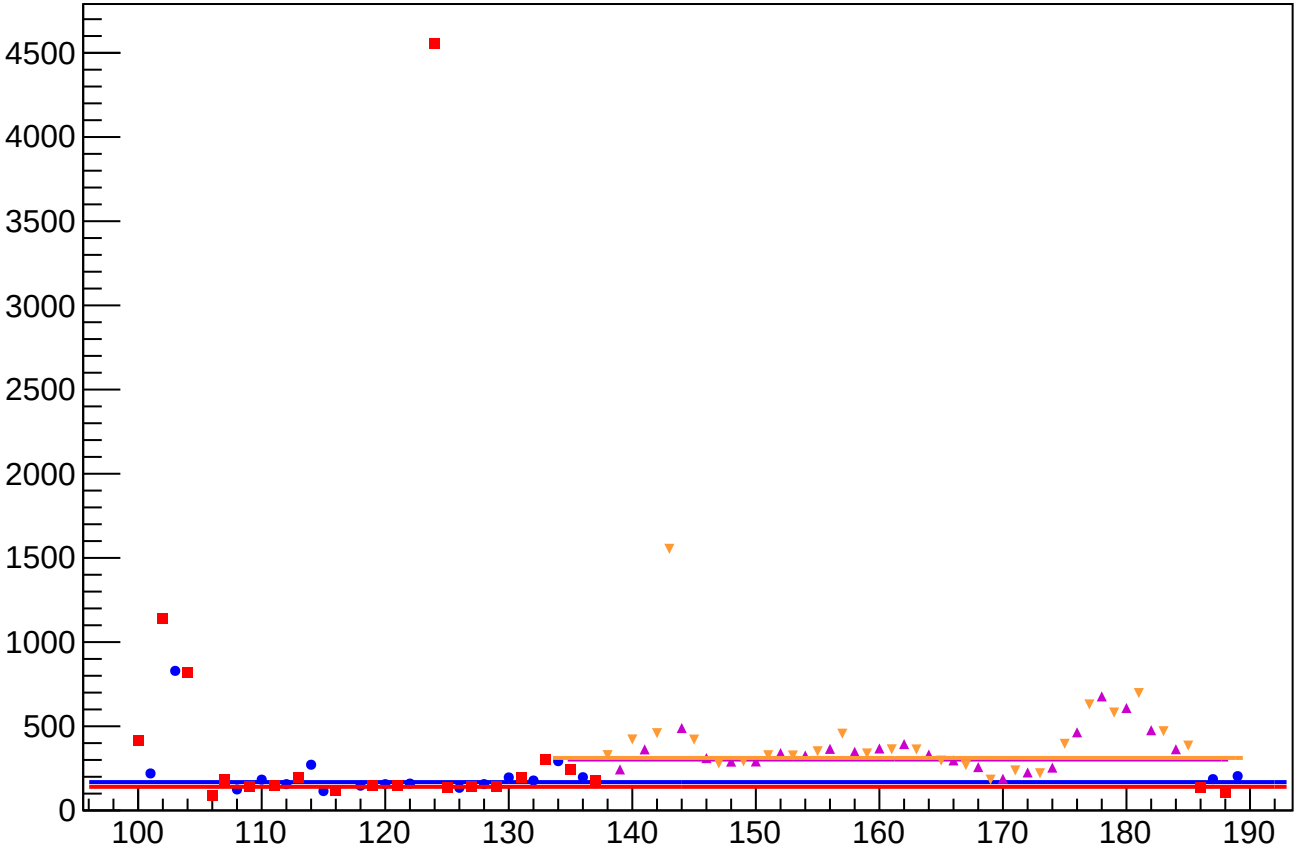
Right: -0.032+/-0.042 χ^2/NDF: 51.7/38

In: -0.064+/-0.049 χ^2/NDF:46.2/40

Out: -0.020+/-0.044 χ^2/NDF:67.7/45

All: -0.039+/-0.033 χ^2/NDF: 114.3/86

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 168.418+/-0.046 χ^2/NDF: 1314161.7/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 140.359+/-0.038 χ^2/NDF: 2571199.1/20

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

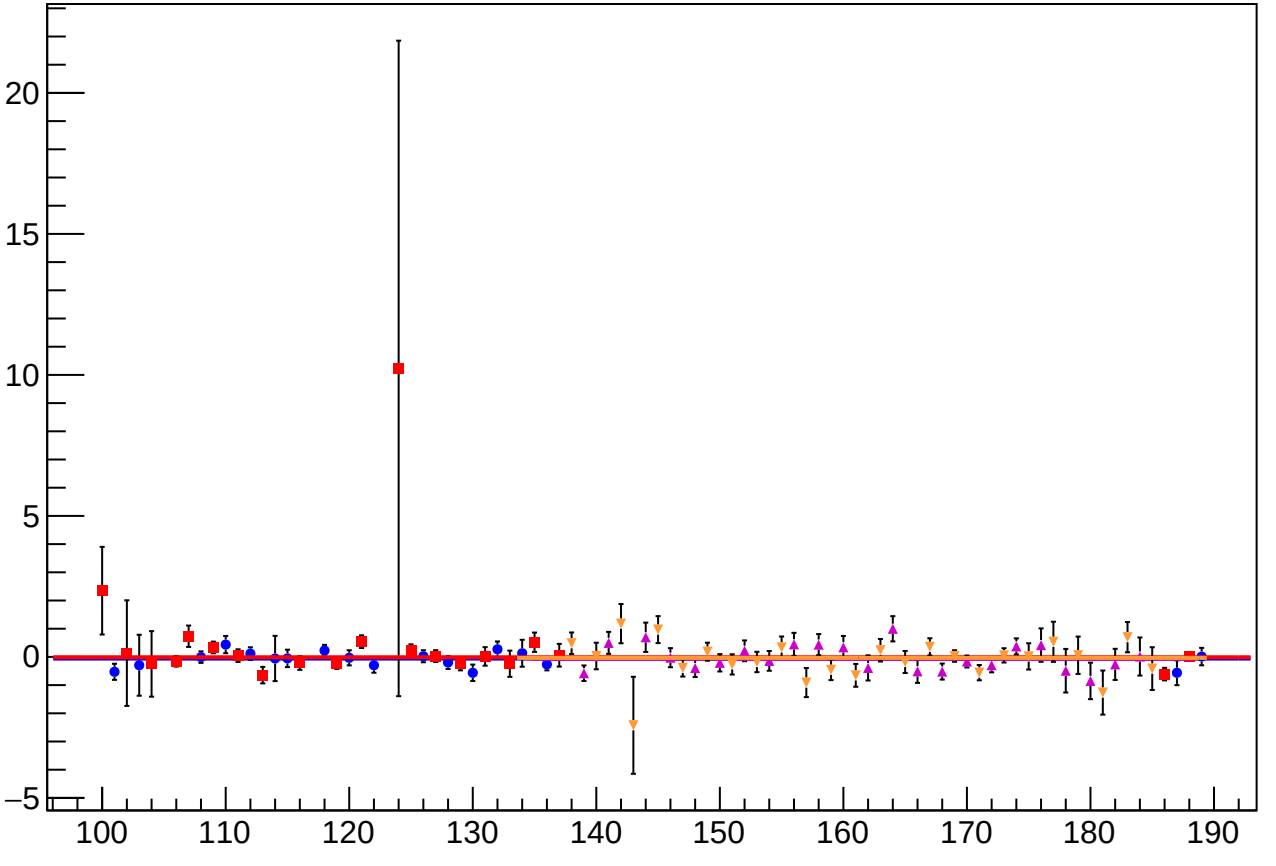
Right: 151.982+/-0.029 χ^2/NDF: 4106919.0/38

In: 225.483+/-0.035 χ^2/NDF:7795438.2/40

Out: 197.619+/-0.031 χ^2/NDF:13596519.3/45

All: 210.181+/-0.023 χ^2/NDF: 21748818.6/86

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

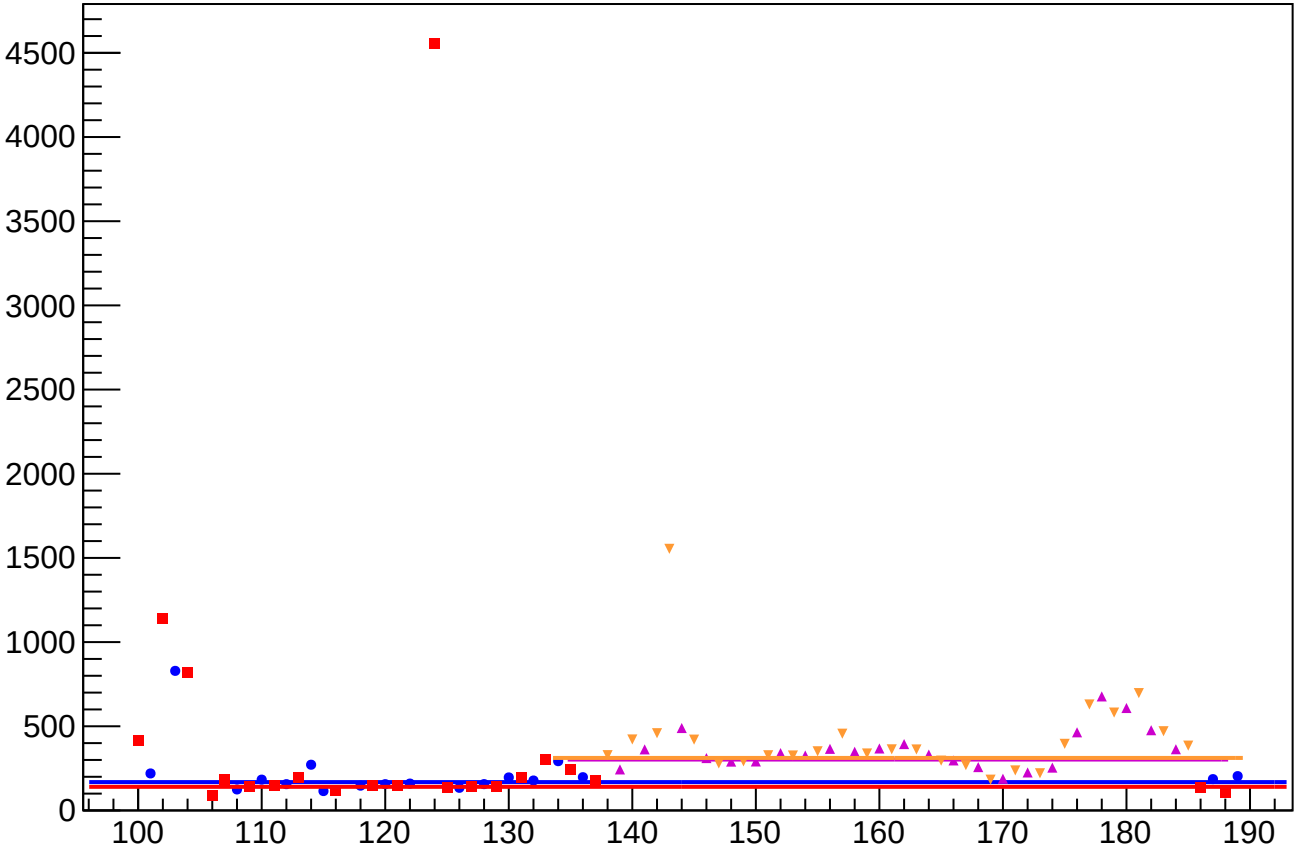
Right: -0.032+/-0.042 χ^2/NDF: 51.7/38

In: -0.064+/-0.049 χ^2/NDF:46.2/40

Out: -0.020+/-0.044 χ^2/NDF:67.7/45

All: -0.039+/-0.033 χ^2/NDF: 114.3/86

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 168.418+/-0.046 χ^2/NDF: 1314161.7/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 140.359+/-0.038 χ^2/NDF: 2571199.1/20

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

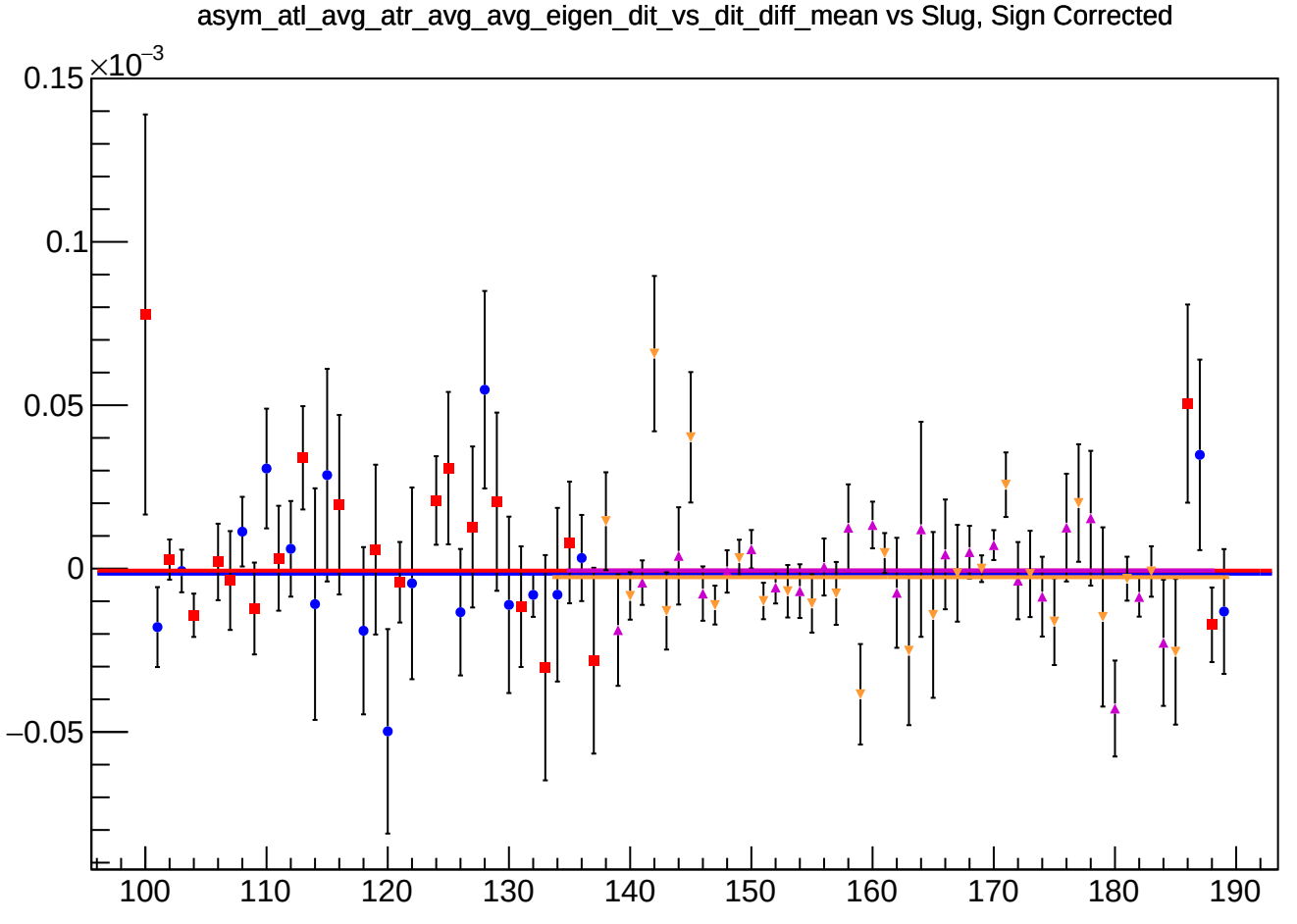
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 151.982+/-0.029 χ^2/NDF: 4106919.0/38

In: 225.483+/-0.035 χ^2/NDF:7795438.2/40

Out: 197.619+/-0.031 χ^2/NDF:13596519.3/45

All: 210.181+/-0.023 χ^2/NDF: 21748818.6/86



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/20

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

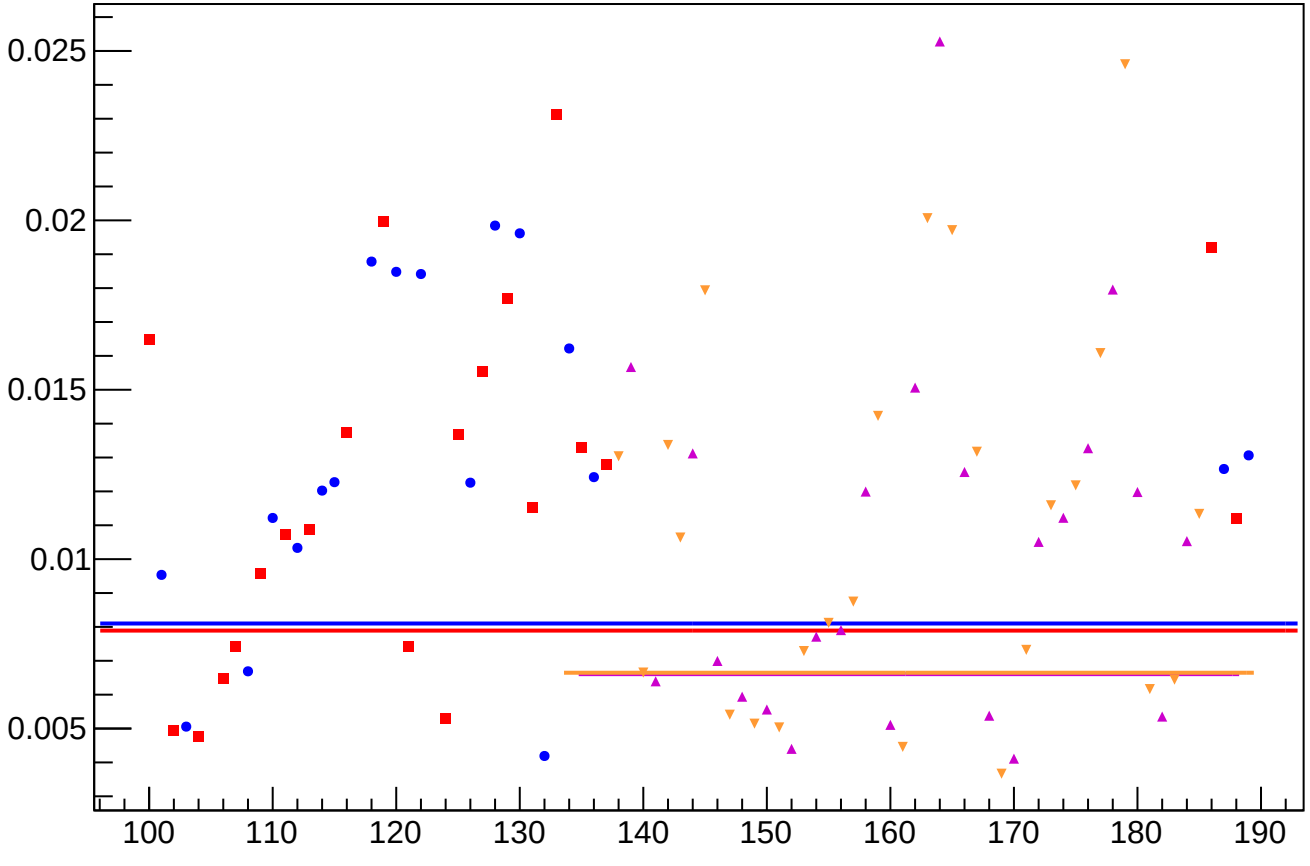
Right: -0.000+/-0.000 χ^2/NDF: 42.3/38

In: -0.000+/-0.000 χ^2/NDF:44.3/40

Out: -0.000+/-0.000 χ^2/NDF:67.6/45

All: -0.000+/-0.000 χ^2/NDF: 112.4/86

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3493997.0/17

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3448805.3/20

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

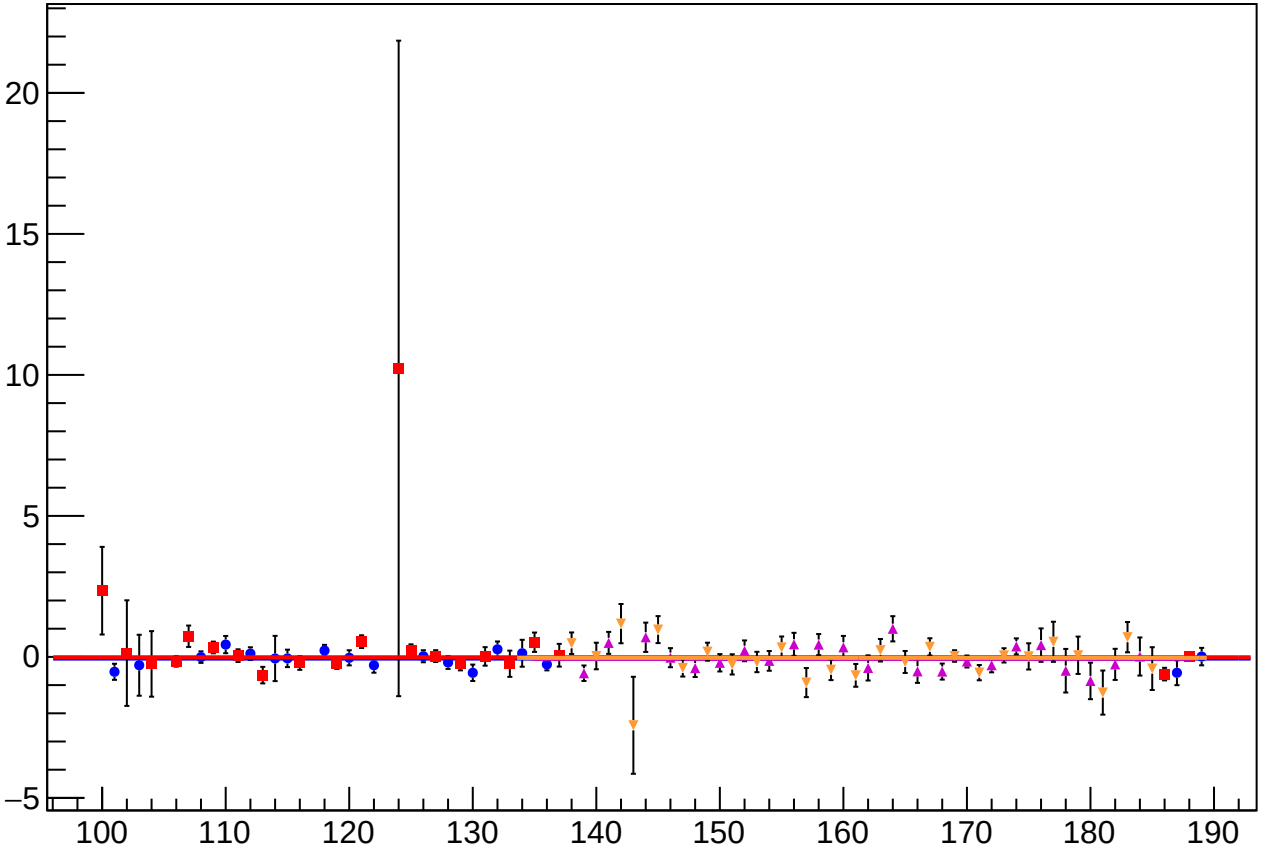
Right: 0.008+/-0.000 χ^2/NDF: 6947151.1/38

In: 0.007+/-0.000 χ^2/NDF:9664115.2/40

Out: 0.007+/-0.000 χ^2/NDF:11219072.8/45

All: 0.007+/-0.000 χ^2/NDF: 20883374.1/86

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

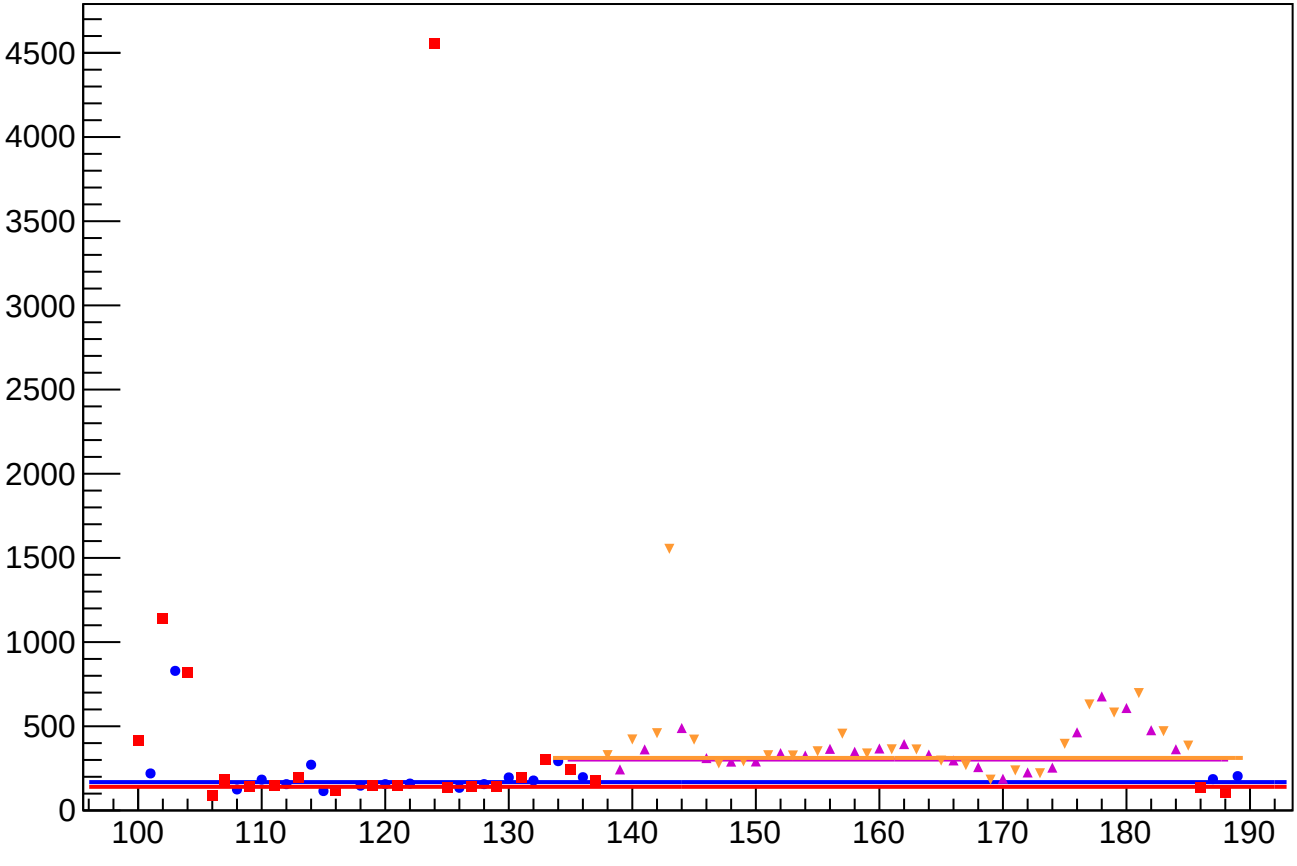
Right: -0.032+/-0.042 χ^2/NDF: 51.7/38

In: -0.064+/-0.049 χ^2/NDF:46.2/40

Out: -0.020+/-0.044 χ^2/NDF:67.7/45

All: -0.039+/-0.033 χ^2/NDF: 114.4/86

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 168.418+/-0.046 χ^2/NDF: 1314171.4/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 140.355+/-0.038 χ^2/NDF: 2571303.8/20

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

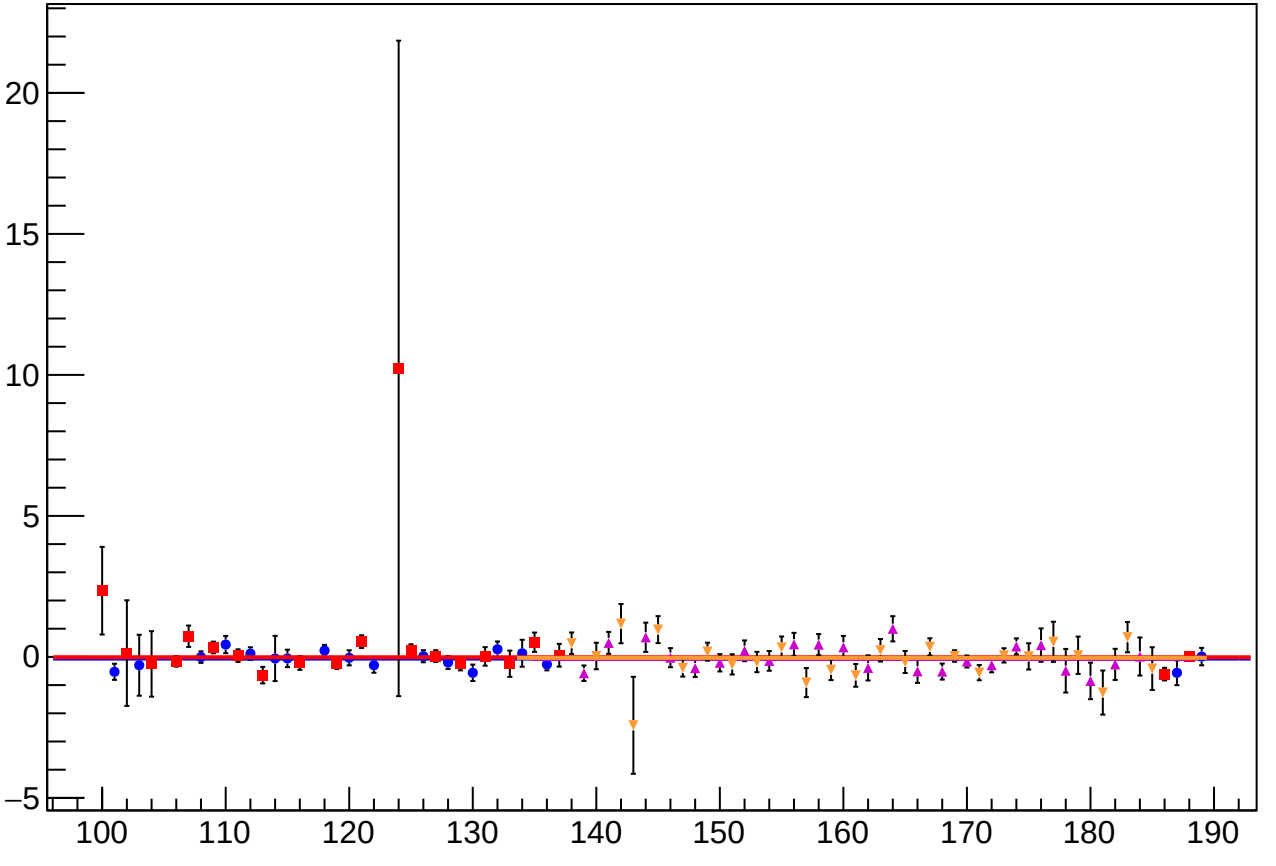
Right: 151.979+/-0.029 χ^2/NDF: 4107099.6/38

In: 225.483+/-0.035 χ^2/NDF:7795661.1/40

Out: 197.614+/-0.031 χ^2/NDF:13597250.9/45

All: 210.178+/-0.023 χ^2/NDF: 21749895.4/86

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.065 χ^2/NDF: 16.2/17

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

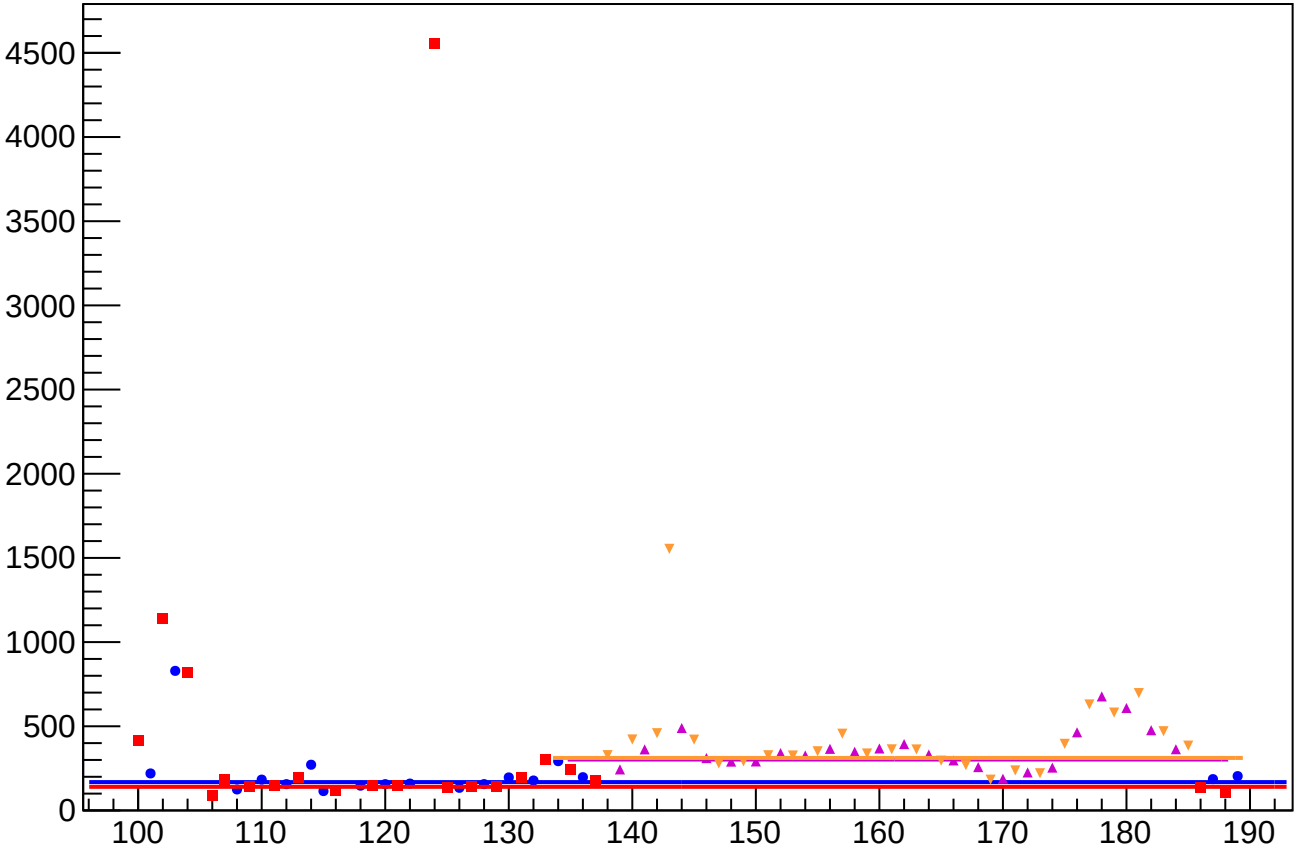
Right: -0.032+/-0.042 χ^2/NDF: 51.7/38

In: -0.064+/-0.049 χ^2/NDF:46.2/40

Out: -0.020+/-0.044 χ^2/NDF:67.7/45

All: -0.039+/-0.033 χ^2/NDF: 114.4/86

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 168.418+/-0.046 χ^2/NDF: 1314171.4/17

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 140.355+/-0.038 χ^2/NDF: 2571303.8/20

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

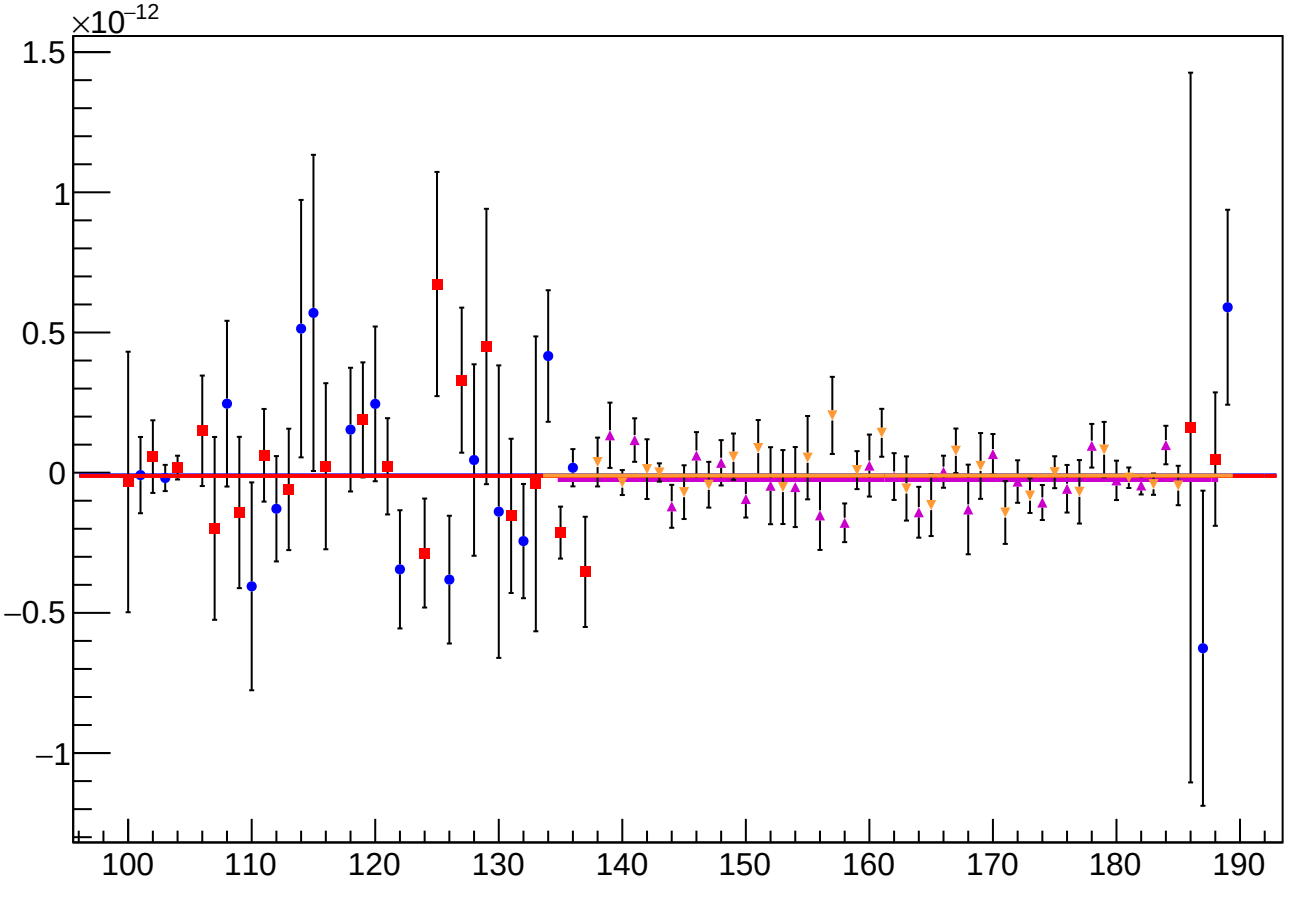
Right: 151.979+/-0.029 χ^2/NDF: 4107099.6/38

In: 225.483+/-0.035 χ^2/NDF:7795661.1/40

Out: 197.614+/-0.031 χ^2/NDF:13597250.9/45

All: 210.178+/-0.023 χ^2/NDF: 21749895.4/86

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/20

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

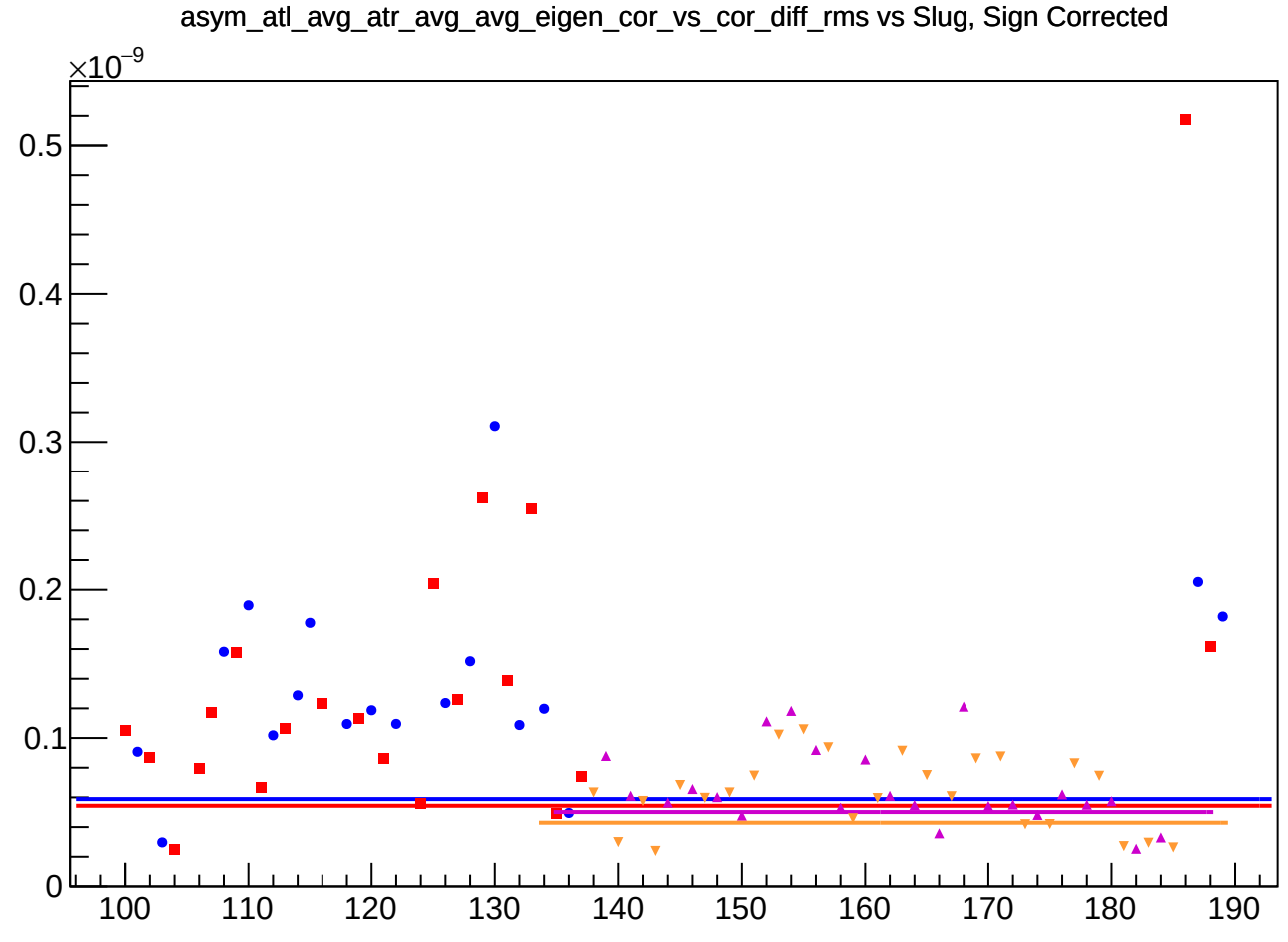
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 39.3/38

In: -0.000+/-0.000 χ^2/NDF:48.1/40

Out: -0.000+/-0.000 χ^2/NDF:35.1/45

All: -0.000+/-0.000 χ^2/NDF: 83.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 3374126.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3969899.4/20

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

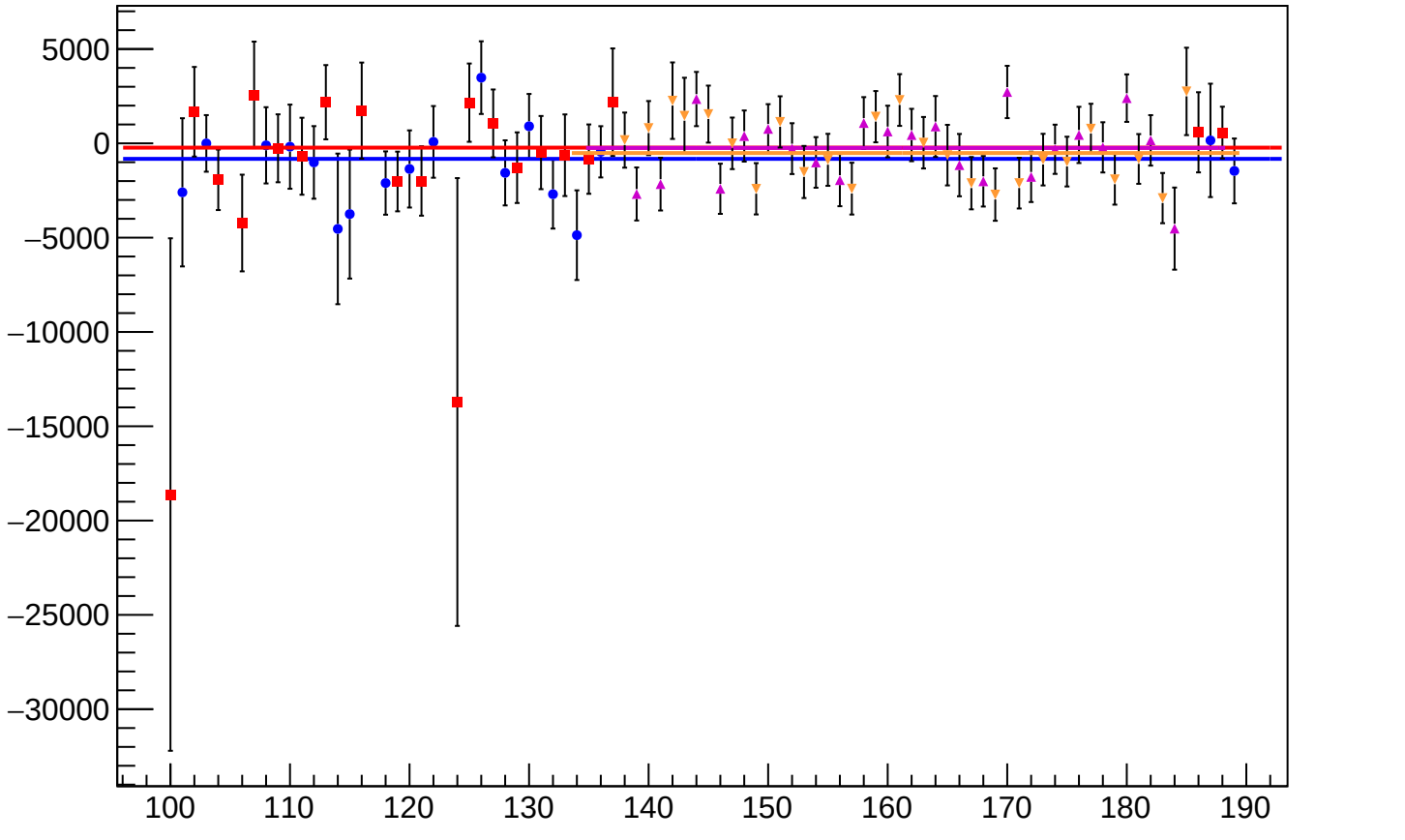
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7363768.7/38

In: 0.000+/-0.000 χ^2/NDF:7102675.1/40

Out: 0.000+/-0.000 χ^2/NDF:9270059.8/45

All: 0.000+/-0.000 χ^2/NDF: 16653873.8/86



Right In: -822.961+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -228.188+/-447.782 χ^2/NDF: 16.2/20

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

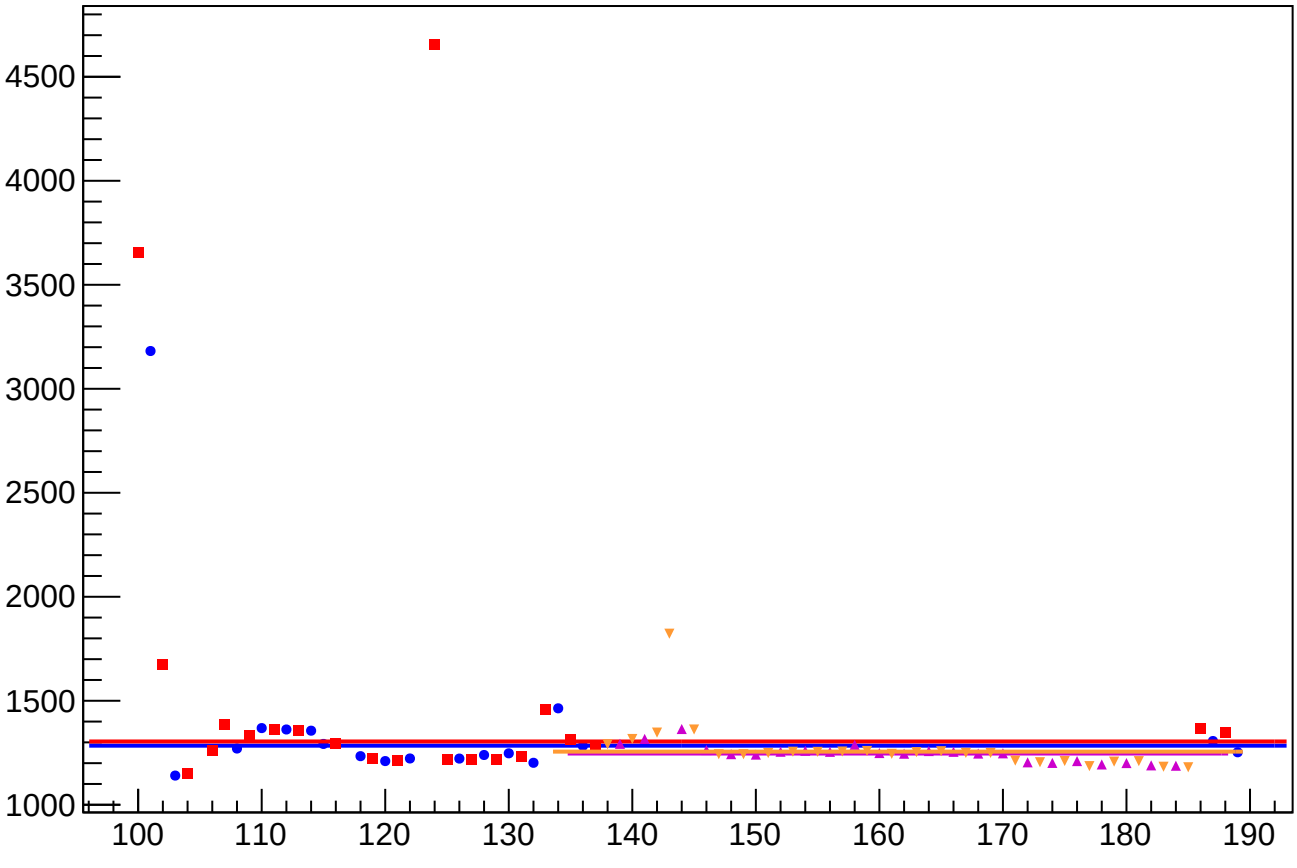
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -515.407+/-321.997 χ^2/NDF: 30.7/38

In: -406.950+/-246.534 χ^2/NDF:46.8/40

Out: -431.555+/-240.998 χ^2/NDF:47.4/45

All: -419.532+/-172.335 χ^2/NDF: 94.2/86



Right In: 1284.135+/-0.328 χ^2/NDF: 518949.5/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1304.326+/-0.317 χ^2/NDF: 332177.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

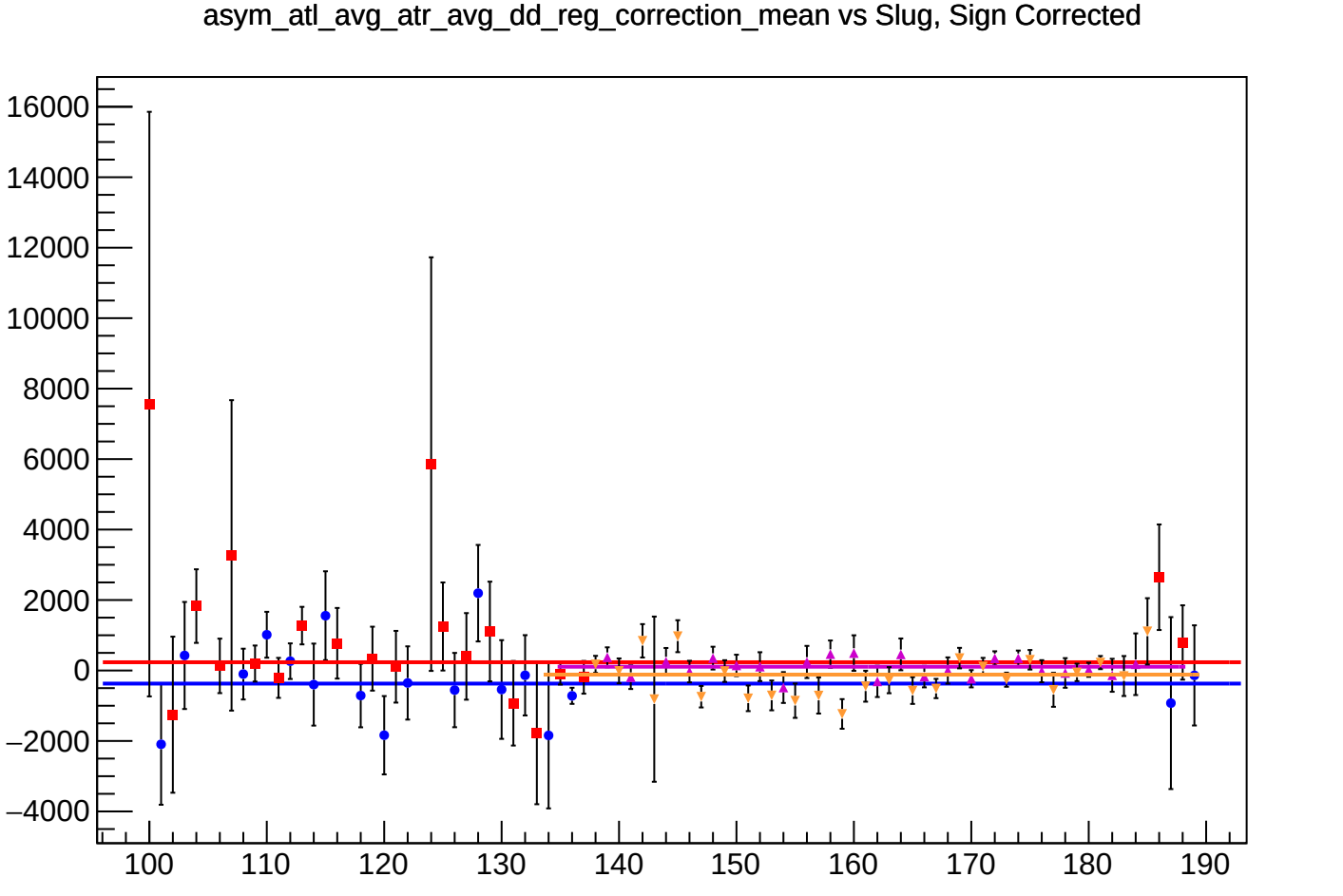
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1294.576+/-0.228 χ^2/NDF: 853091.0/38

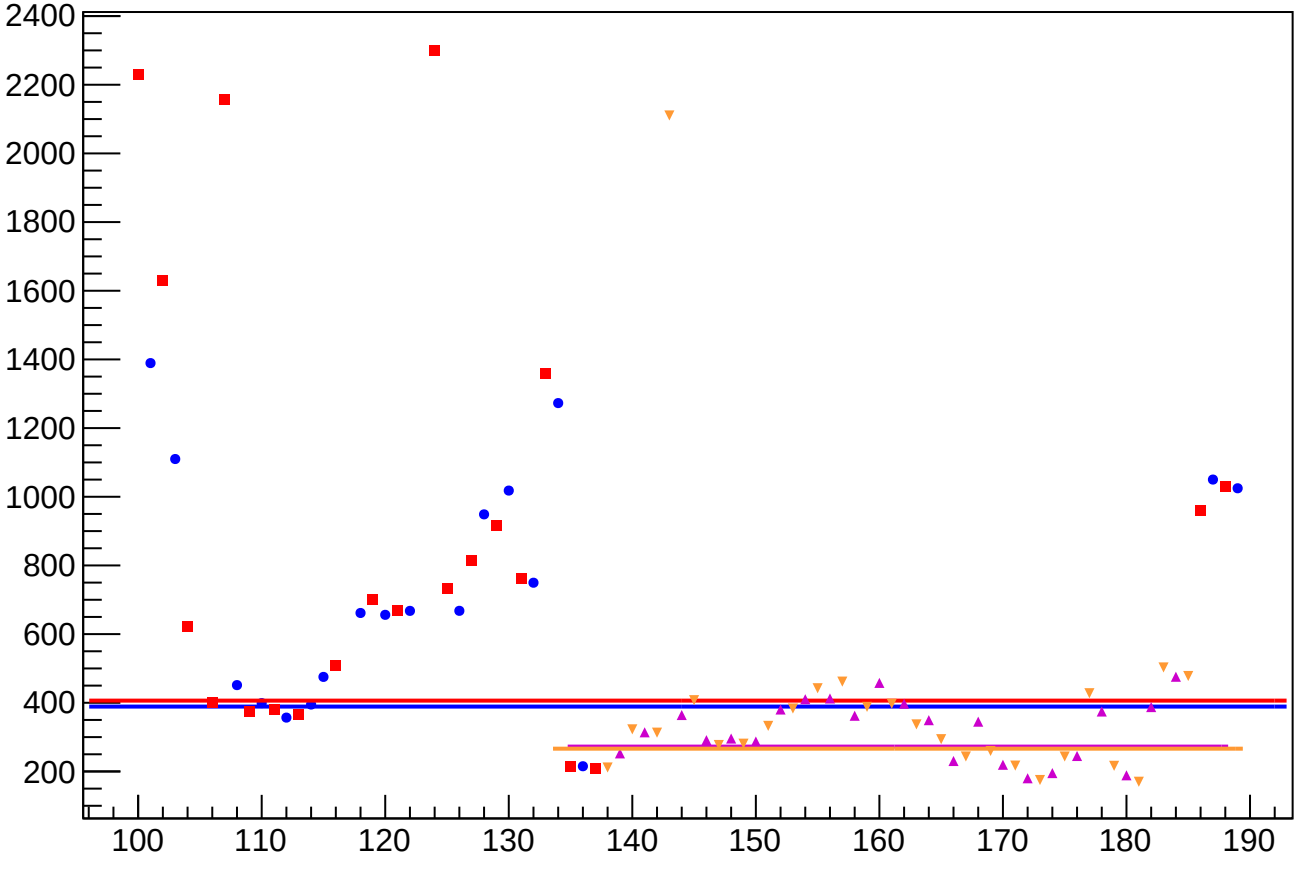
In: 1257.050+/-0.174 χ^2/NDF:568339.0/40

Out: 1269.653+/-0.170 χ^2/NDF:552183.9/45

All: 1263.494+/-0.122 χ^2/NDF: 1123195.8/86


asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -371.698+/-166.648 χ²/NDF: 18.2/17
Left Out: -117.028+/-65.059 χ²/NDF:48.4/24
Right Out: 234.361+/-166.390 χ²/NDF: 17.6/20
Left In: 107.341+/-67.001 χ²/NDF:13.7/22
Left: -8.142+/-46.675 χ²/NDF: 67.9/47
Right: -68.198+/-117.747 χ²/NDF: 42.5/38
In: 40.683+/-62.165 χ²/NDF:39.1/40
Out: -70.431+/-60.592 χ²/NDF:69.9/45
All: -16.298+/-43.390 χ²/NDF: 110.6/86

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 388.937+/-0.118 χ^2/NDF: 4747435.1/17

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 406.287+/-0.118 χ^2/NDF: 5063951.0/20

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

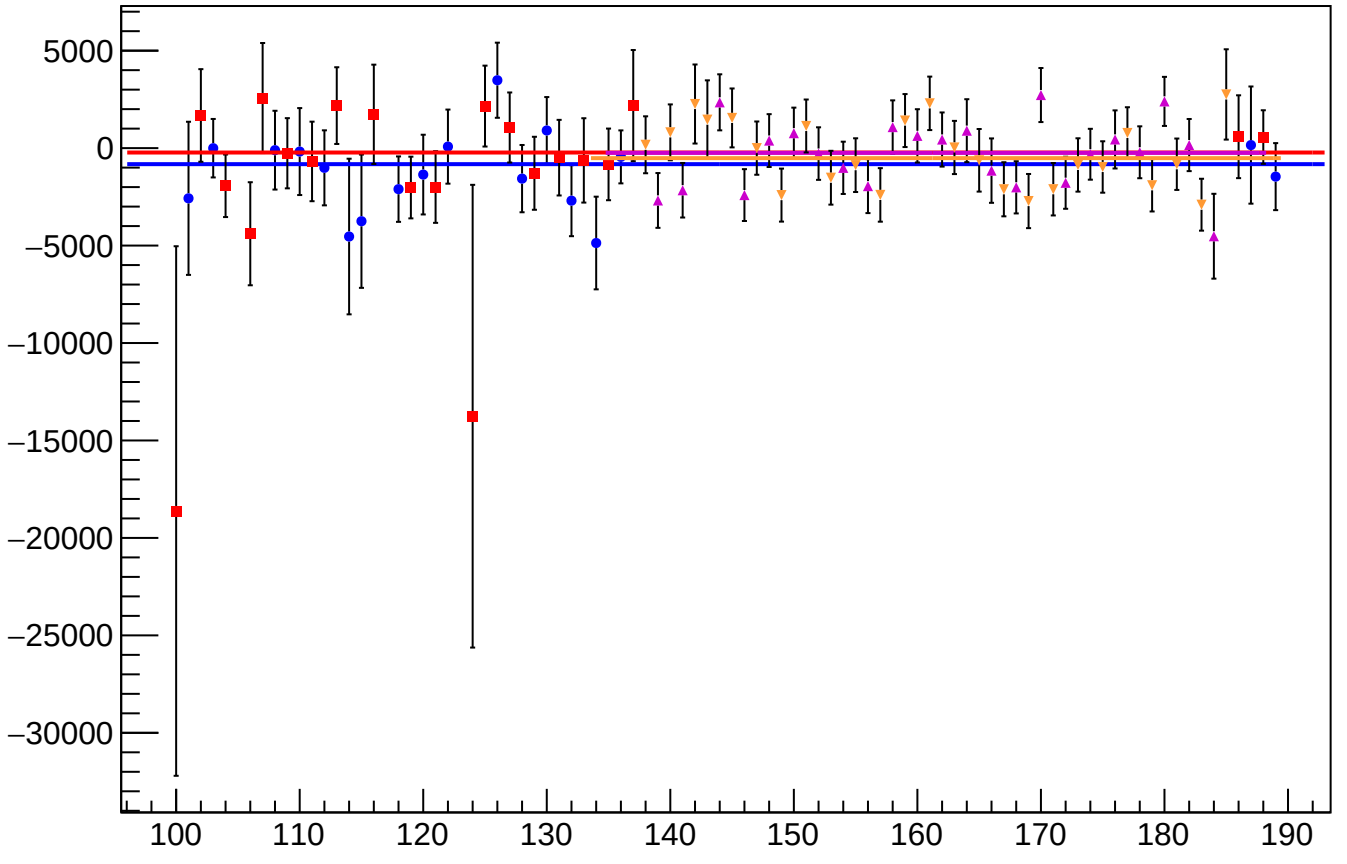
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 397.626+/-0.083 χ^2/NDF: 9822242.5/38

In: 288.589+/-0.044 χ^2/NDF:8477667.8/40

Out: 284.882+/-0.043 χ^2/NDF:10921633.7/45

All: 286.688+/-0.031 χ^2/NDF: 19402948.4/86



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -225.736+/-448.191 χ^2/NDF: 16.2/20

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

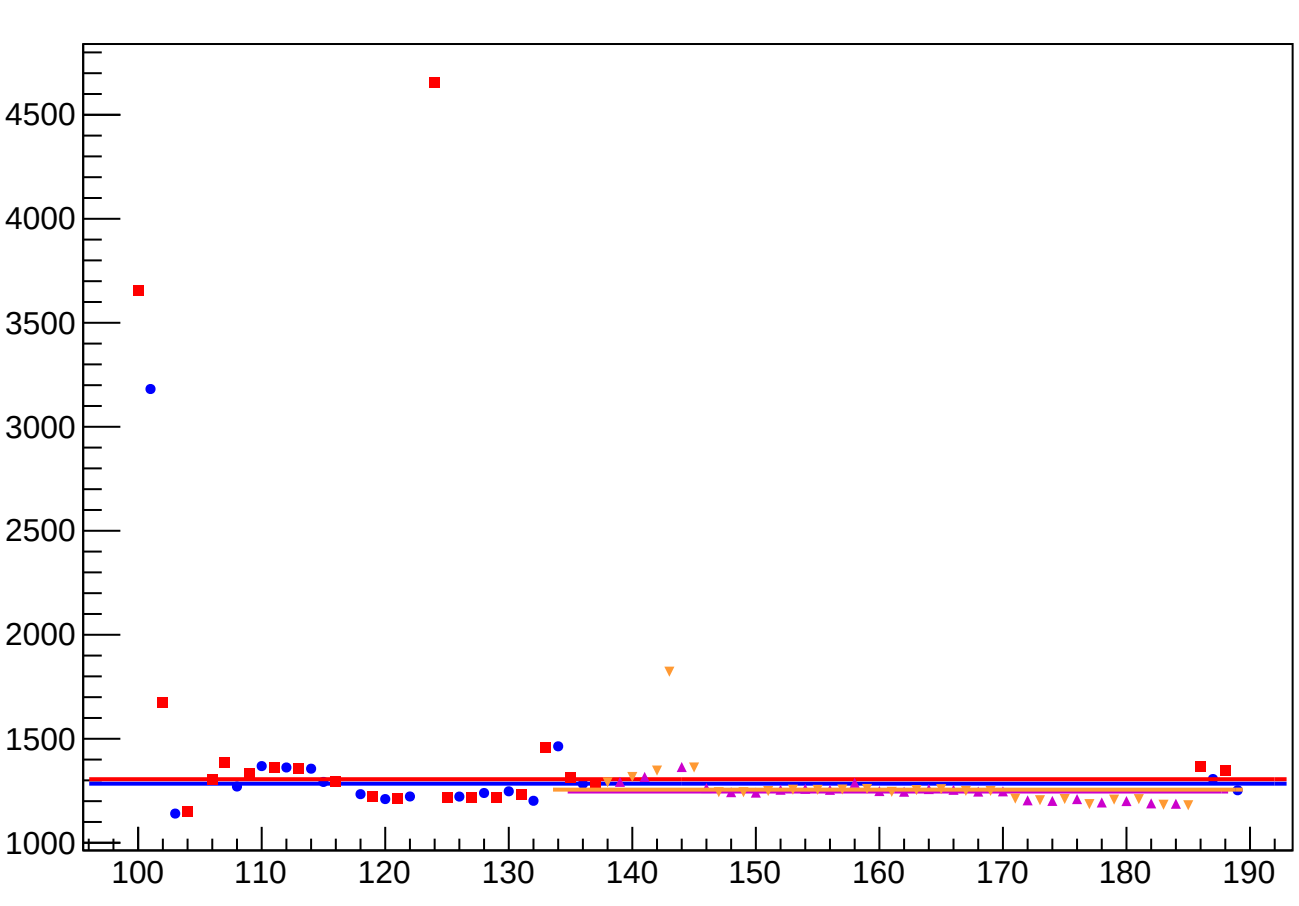
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -514.233+/-322.149 χ^2/NDF: 30.7/38

In: -406.830+/-246.534 χ^2/NDF:46.8/40

Out: -430.914+/-241.062 χ^2/NDF:47.4/45

All: -419.142+/-172.358 χ^2/NDF: 94.3/86



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

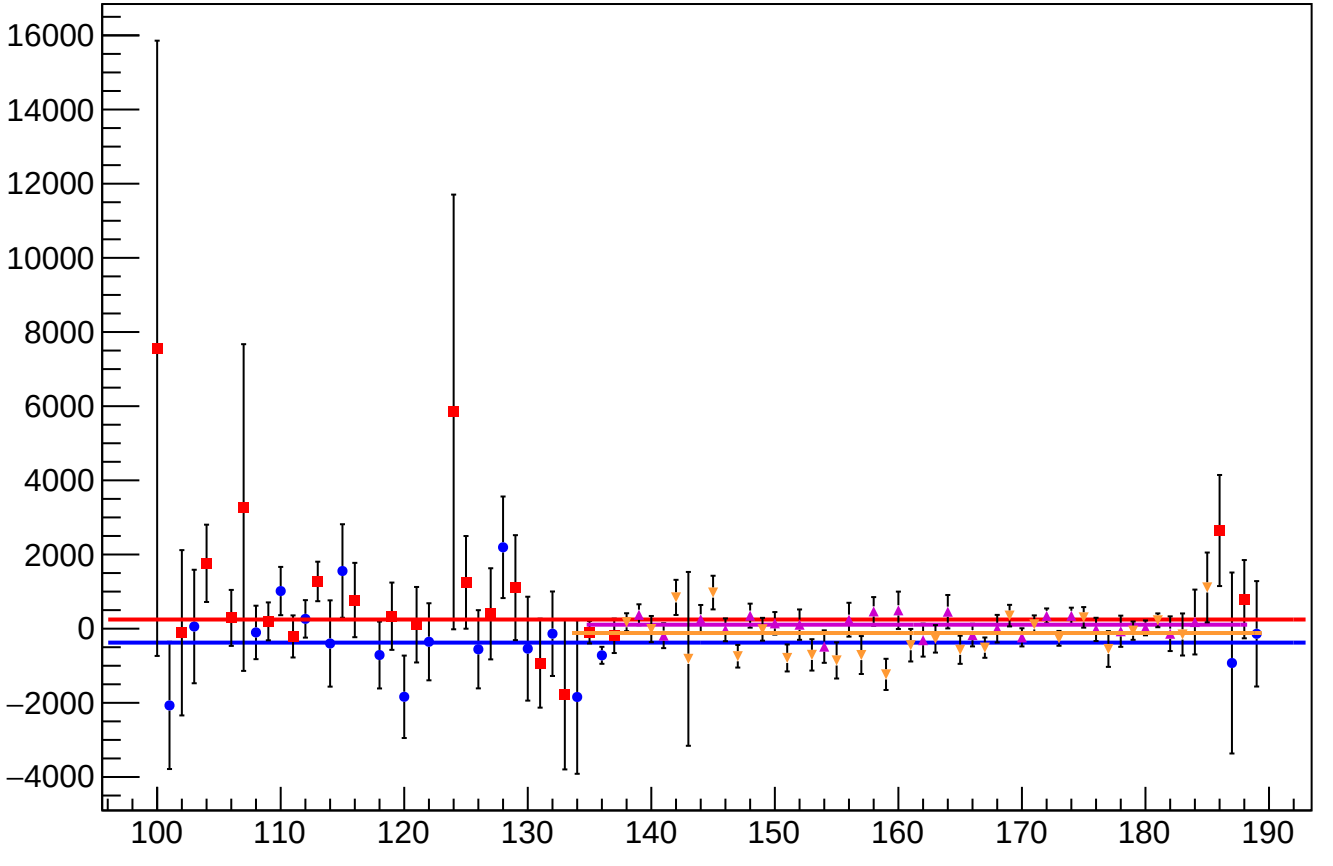
Right: 1295.211+/-0.228 χ^2/NDF: 852807.8/38

In: 1257.050+/-0.174 χ^2/NDF:568340.3/40

Out: 1269.996+/-0.170 χ^2/NDF:552501.9/45

All: 1263.668+/-0.122 χ^2/NDF: 1123661.7/86

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

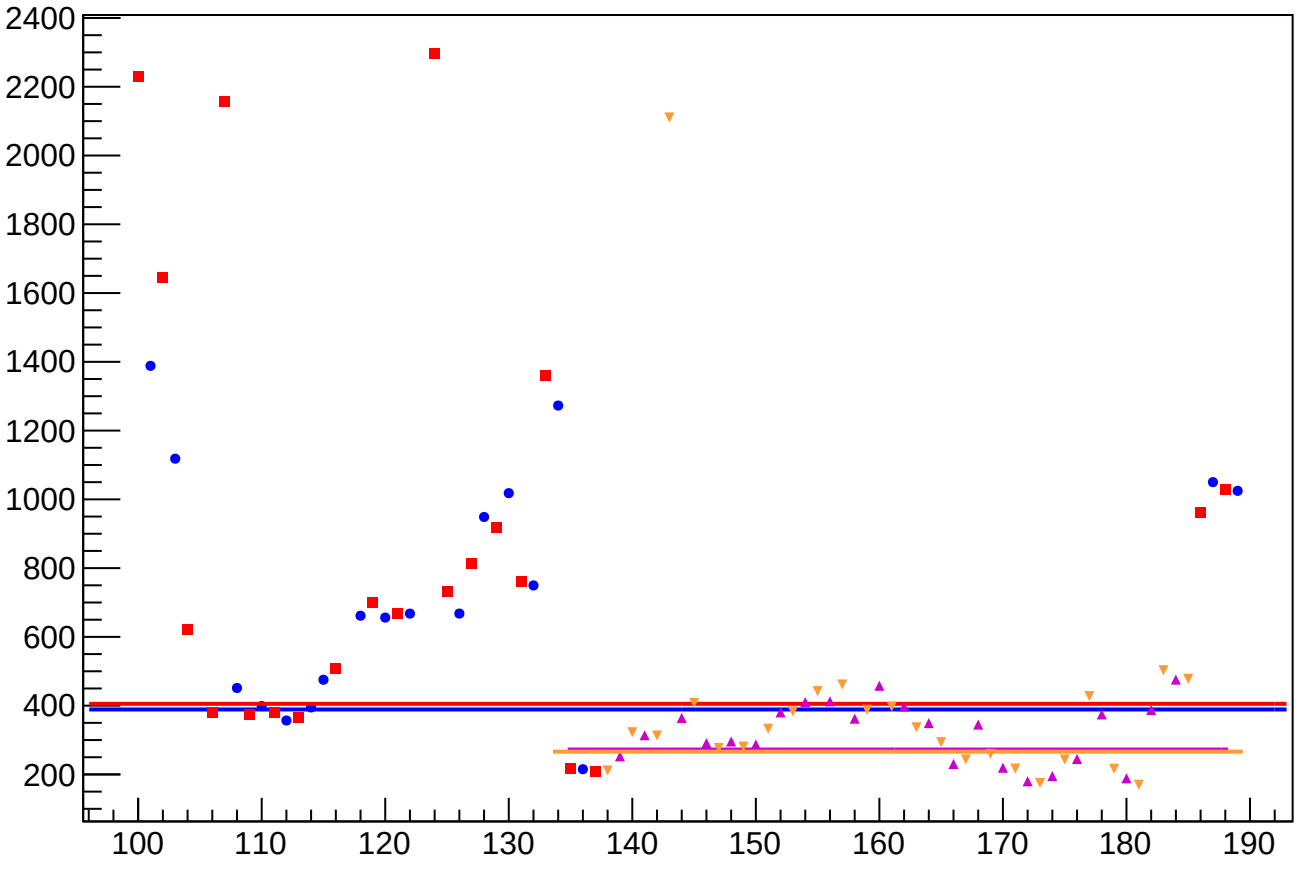
Right: -63.672+/-117.687 χ^2/NDF: 42.0/38

In: 40.187+/-62.167 χ^2/NDF:39.0/40

Out: -68.639+/-60.584 χ^2/NDF:69.6/45

All: -15.629+/-43.388 χ^2/NDF: 110.1/86

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

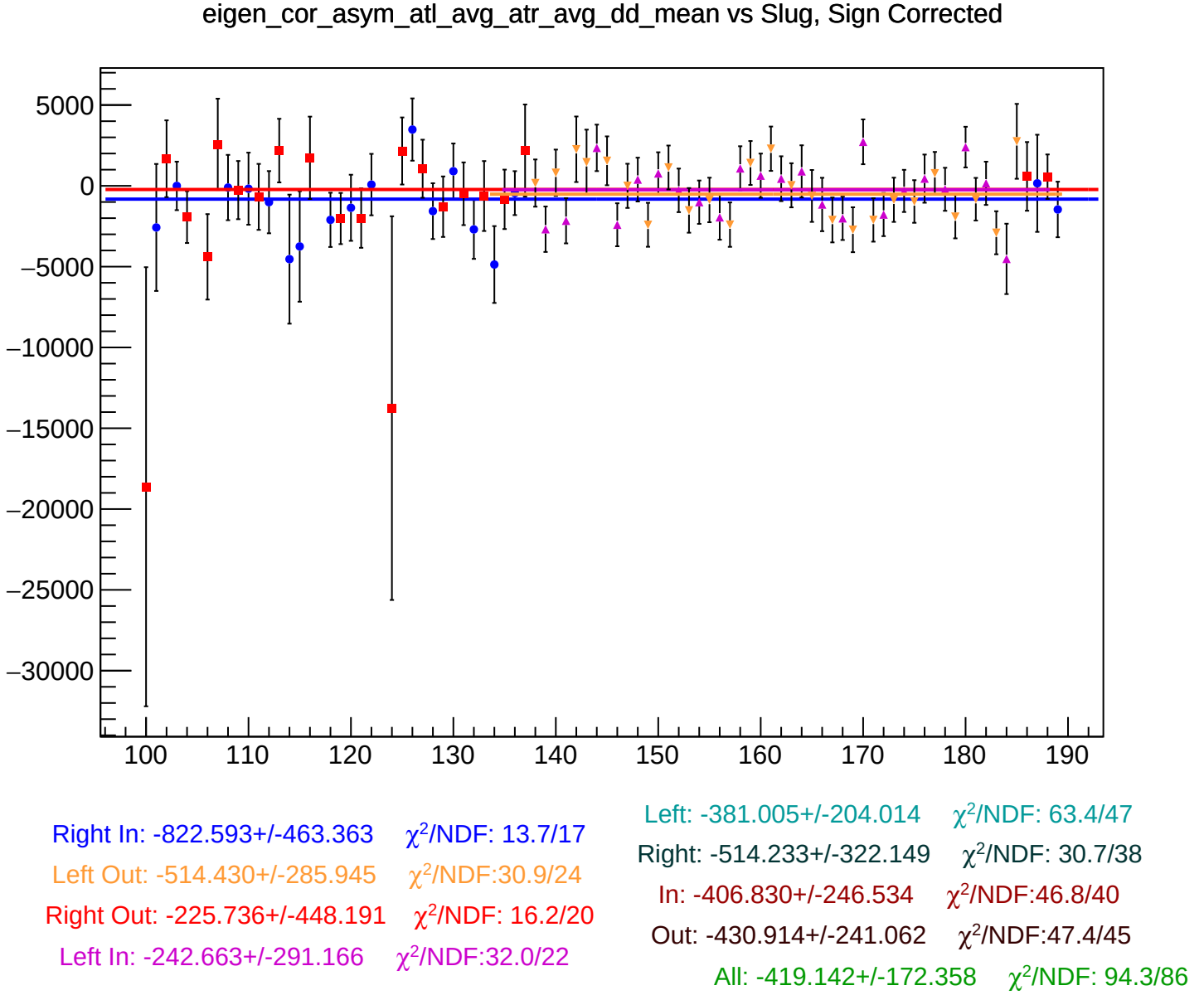
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

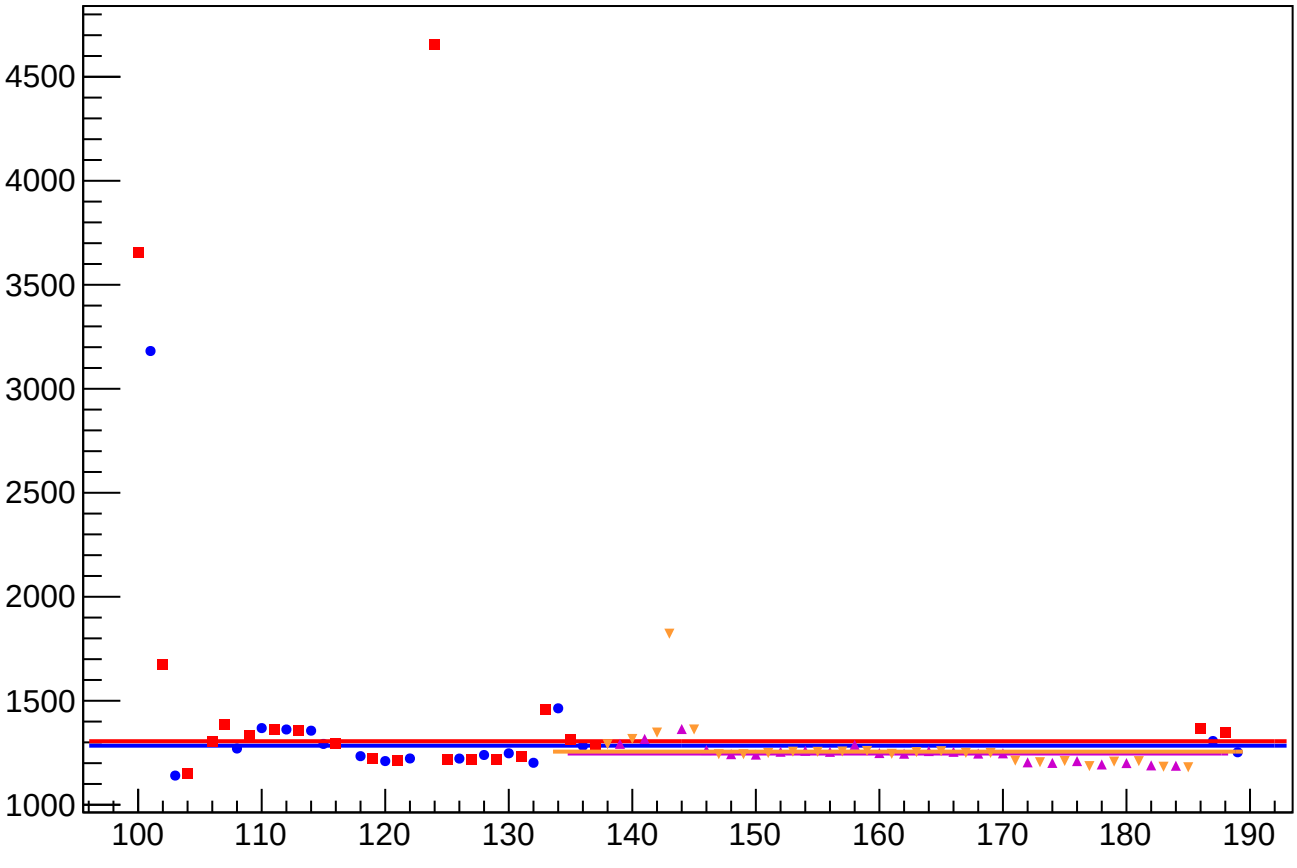
Right: 397.155+/-0.083 χ^2/NDF: 9832844.8/38

In: 288.594+/-0.044 χ^2/NDF:8480196.4/40

Out: 284.797+/-0.043 χ^2/NDF:10915829.6/45

All: 286.646+/-0.031 χ^2/NDF: 19399853.0/86


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -822.593+/-463.363 χ²/NDF: 13.7/17
Left Out: -514.430+/-285.945 χ²/NDF:30.9/24
Right Out: -225.736+/-448.191 χ²/NDF: 16.2/20
Left In: -242.663+/-291.166 χ²/NDF:32.0/22
Left: -381.005+/-204.014 χ²/NDF: 63.4/47
Right: -514.233+/-322.149 χ²/NDF: 30.7/38
In: -406.830+/-246.534 χ²/NDF:46.8/40
Out: -430.914+/-241.062 χ²/NDF:47.4/45
All: -419.142+/-172.358 χ²/NDF: 94.3/86



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

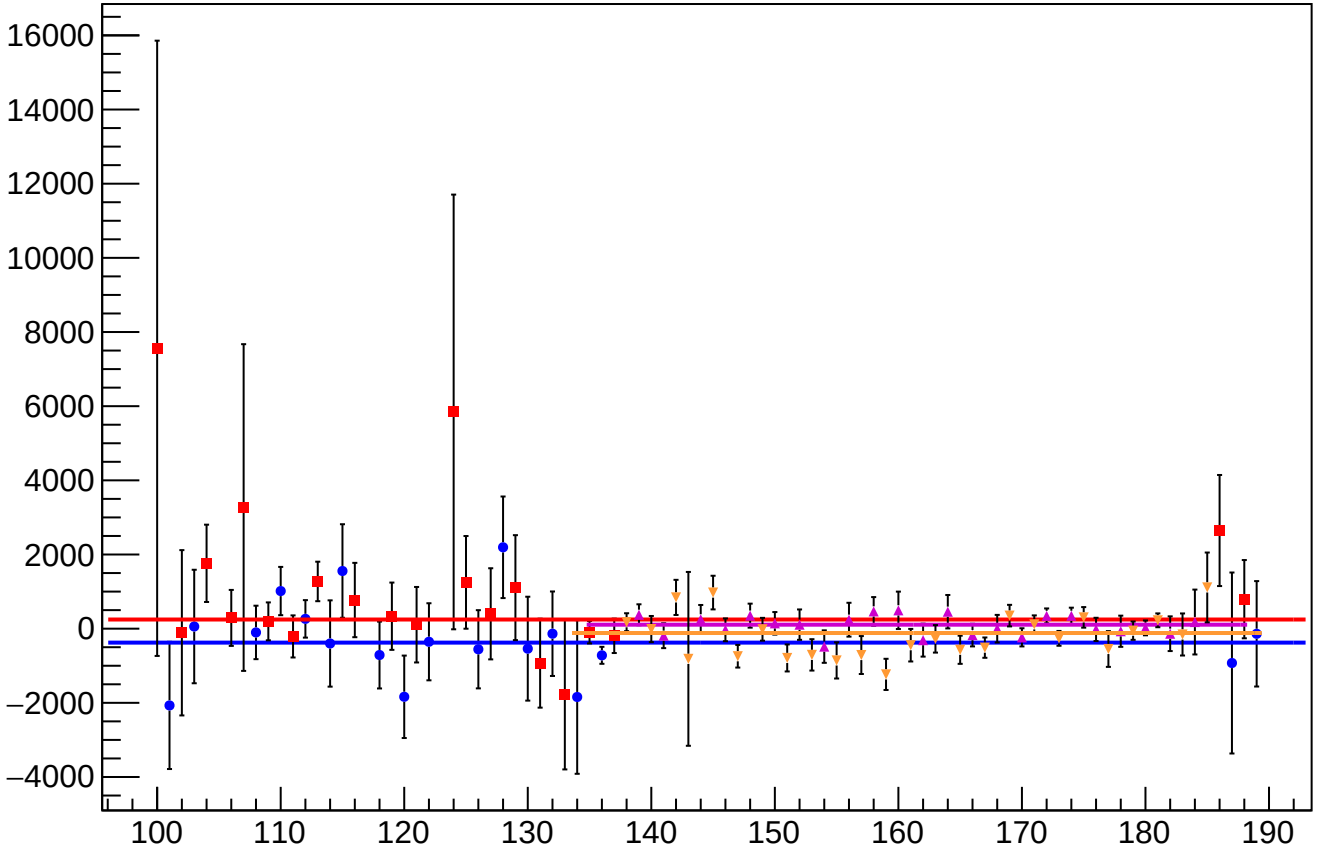
Right: 1295.211+/-0.228 χ^2/NDF: 852807.8/38

In: 1257.050+/-0.174 χ^2/NDF:568340.3/40

Out: 1269.996+/-0.170 χ^2/NDF:552501.9/45

All: 1263.668+/-0.122 χ^2/NDF: 1123661.7/86

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

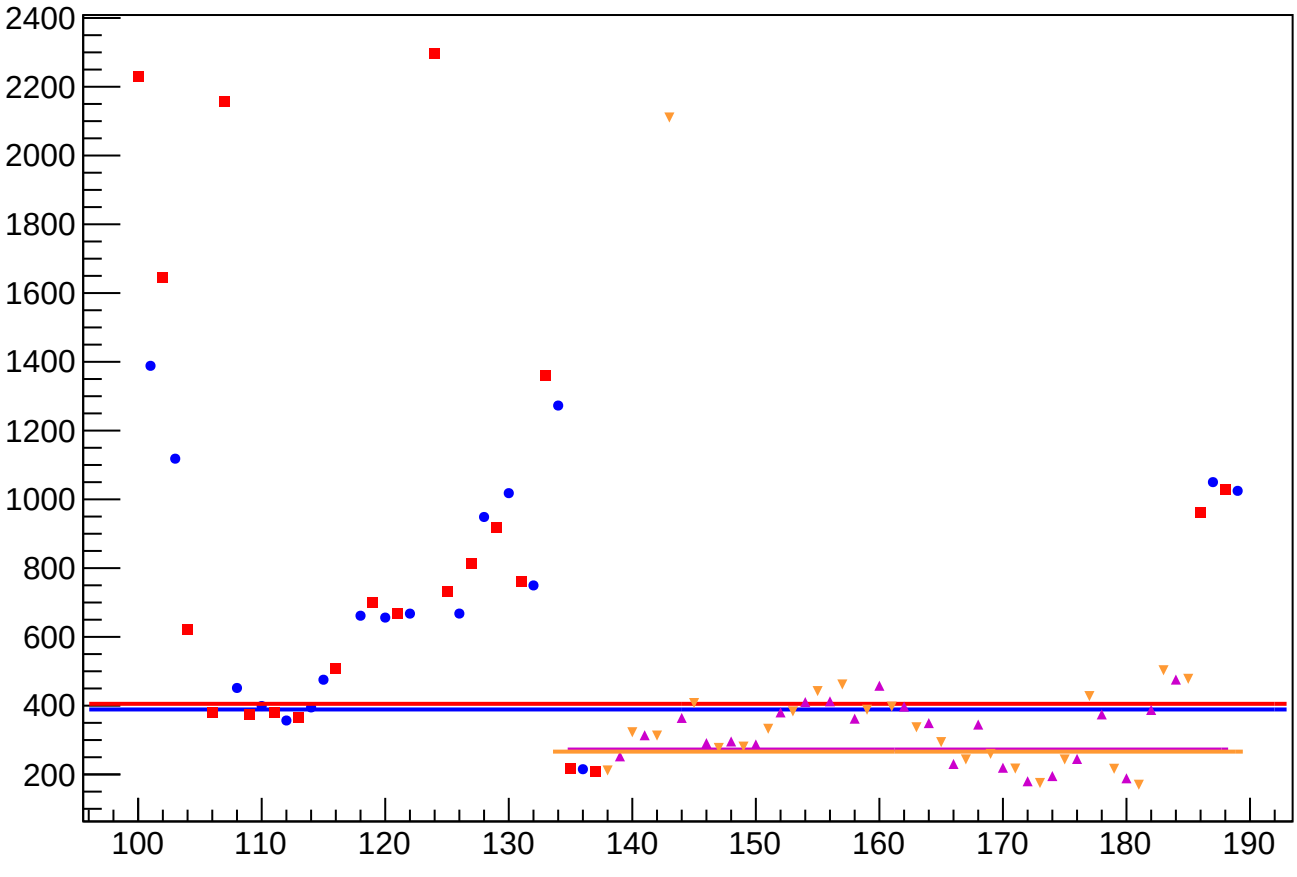
Right: -63.672+/-117.687 χ^2/NDF: 42.0/38

In: 40.187+/-62.167 χ^2/NDF:39.0/40

Out: -68.639+/-60.584 χ^2/NDF:69.6/45

All: -15.629+/-43.388 χ^2/NDF: 110.1/86

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

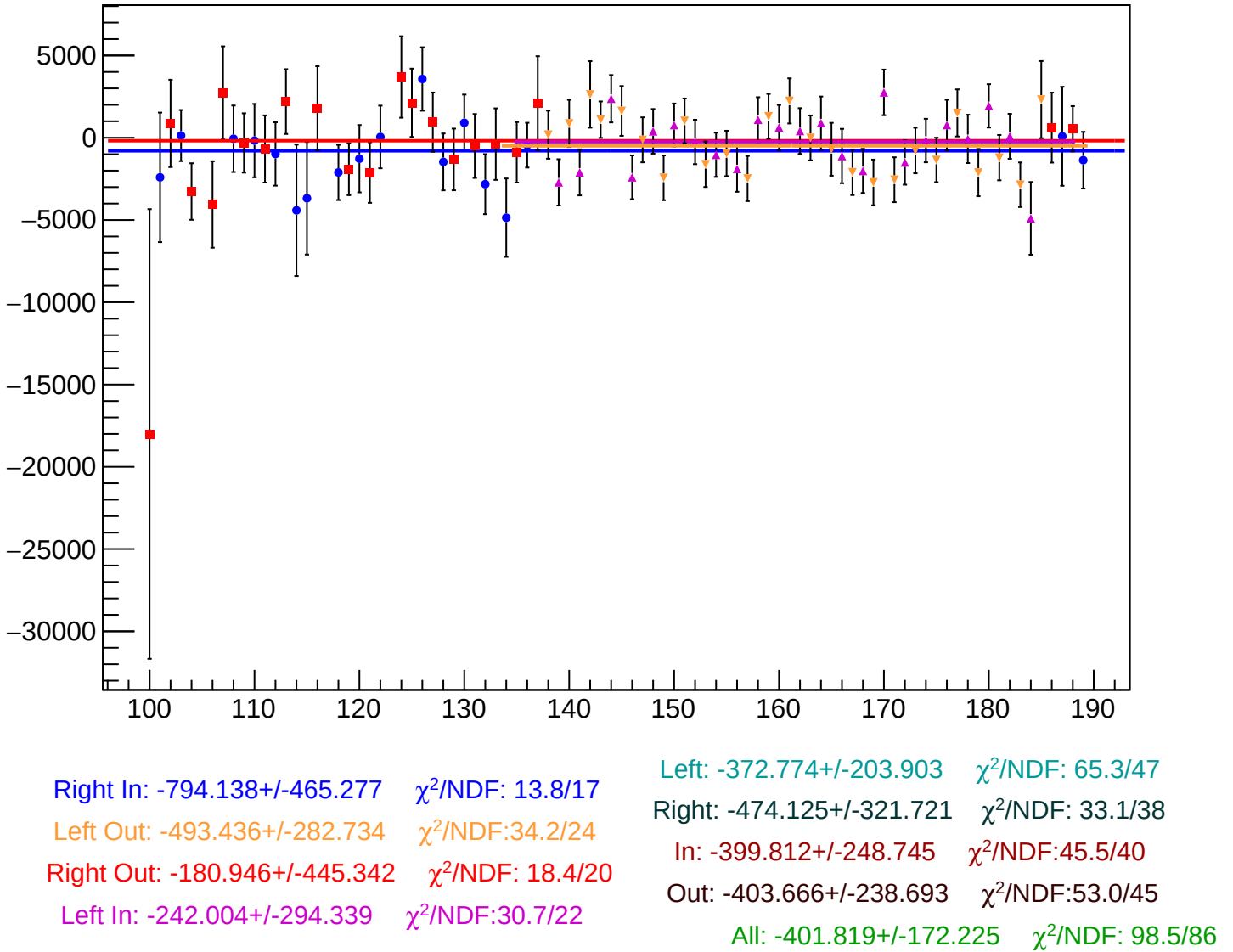
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

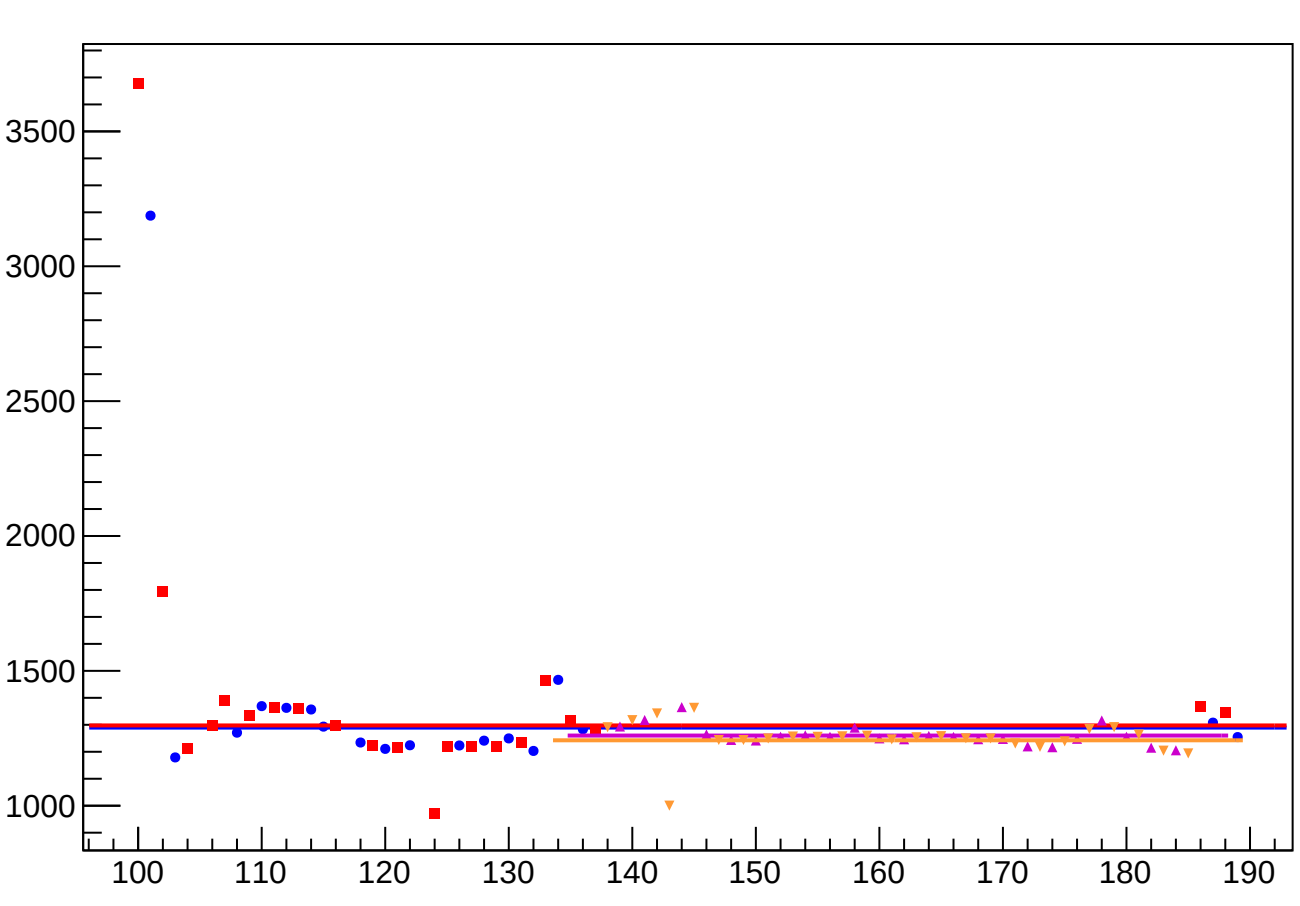
Right: 397.155+/-0.083 χ^2/NDF: 9832844.8/38

In: 288.594+/-0.044 χ^2/NDF:8480196.4/40

Out: 284.797+/-0.043 χ^2/NDF:10915829.6/45

All: 286.646+/-0.031 χ^2/NDF: 19399853.0/86


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -794.138+/-465.277 χ²/NDF: 13.8/17
Left Out: -493.436+/-282.734 χ²/NDF:34.2/24
Right Out: -180.946+/-445.342 χ²/NDF: 18.4/20
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -474.125+/-321.721 χ²/NDF: 33.1/38
In: -399.812+/-248.745 χ²/NDF:45.5/40
Out: -403.666+/-238.693 χ²/NDF:53.0/45
All: -401.819+/-172.225 χ²/NDF: 98.5/86



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.2/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

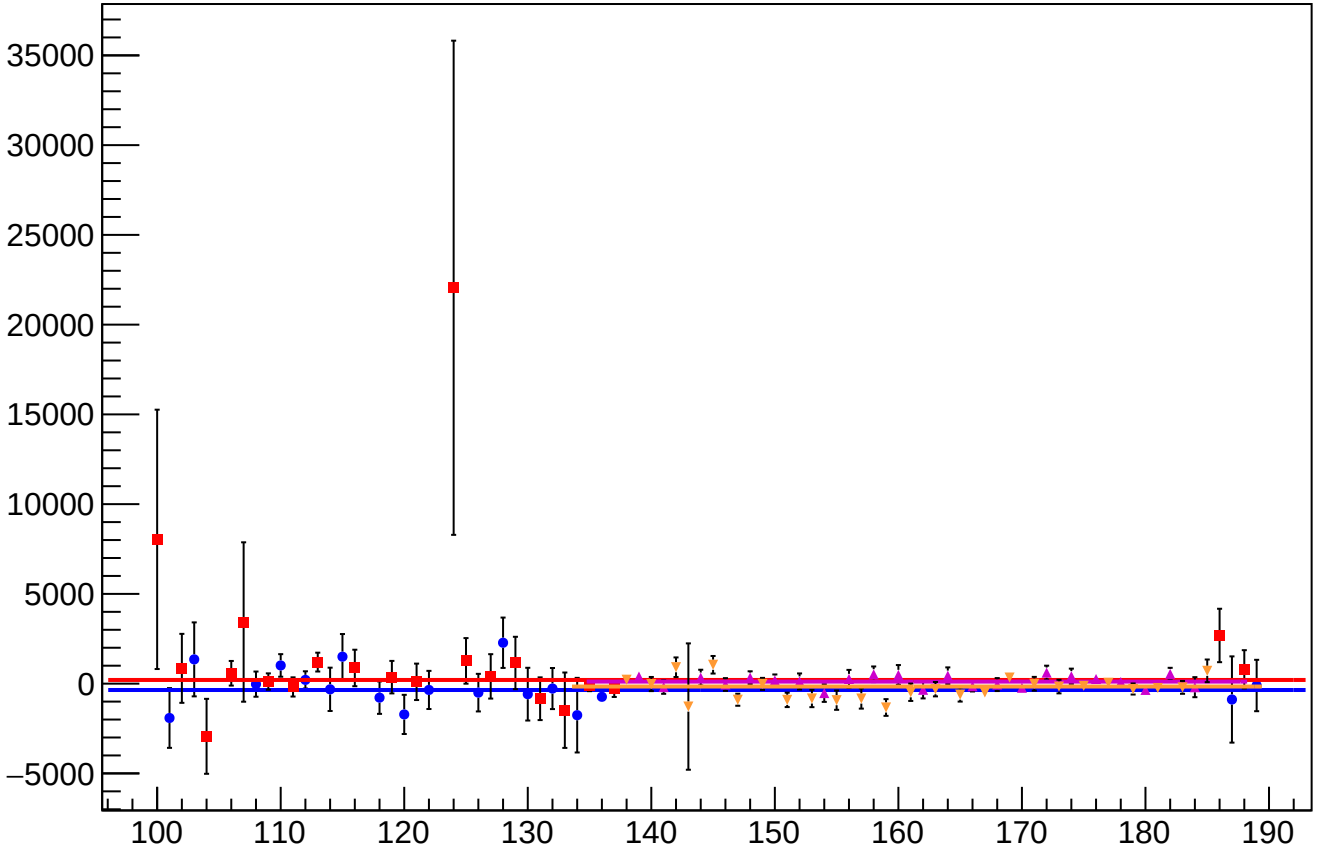
Right: 1293.826+/-0.227 χ^2/NDF: 725385.5/38

In: 1268.550+/-0.176 χ^2/NDF:544068.6/40

Out: 1258.364+/-0.169 χ^2/NDF:366552.0/45

All: 1263.247+/-0.122 χ^2/NDF: 912366.7/86

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -354.342+/-168.369 χ^2/NDF: 18.5/17

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 205.206+/-166.501 χ^2/NDF: 19.0/20

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

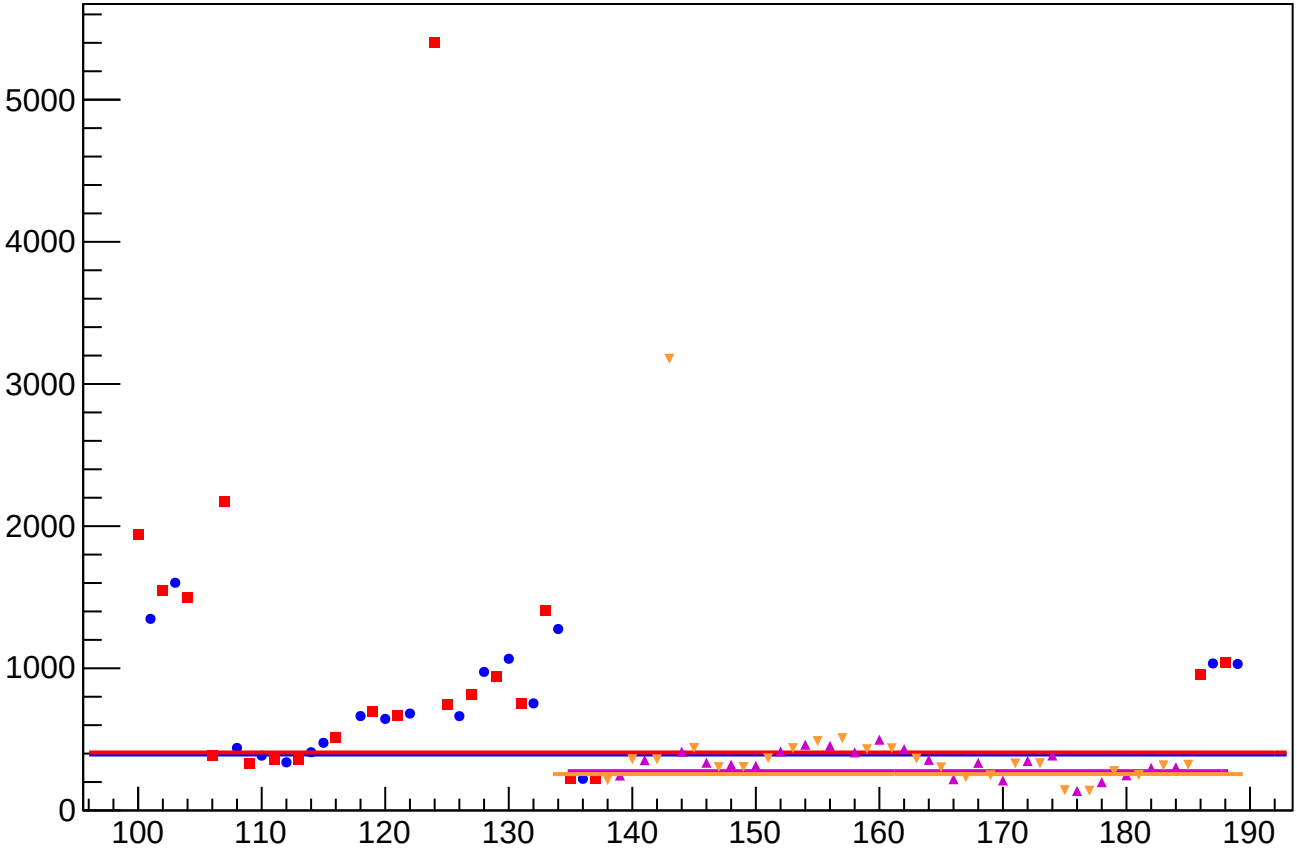
Right: -71.446+/-118.389 χ^2/NDF: 43.1/38

In: 46.682+/-63.720 χ^2/NDF:43.3/40

Out: -113.627+/-59.847 χ^2/NDF:67.0/45

All: -38.493+/-43.623 χ^2/NDF: 113.7/86

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 393.541+/-0.119 χ^2/NDF: 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 407.821+/-0.118 χ^2/NDF: 5574336.4/20

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

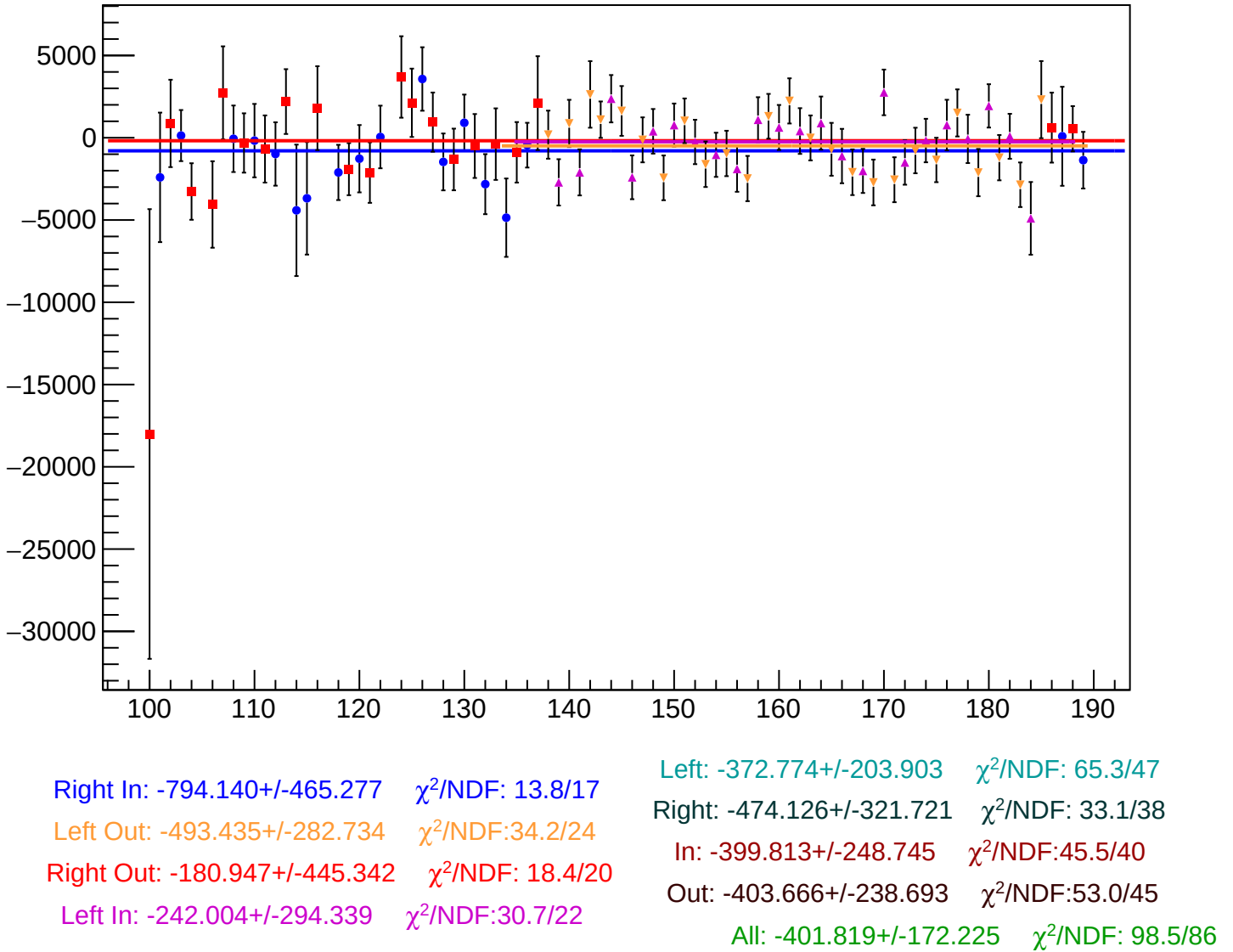
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

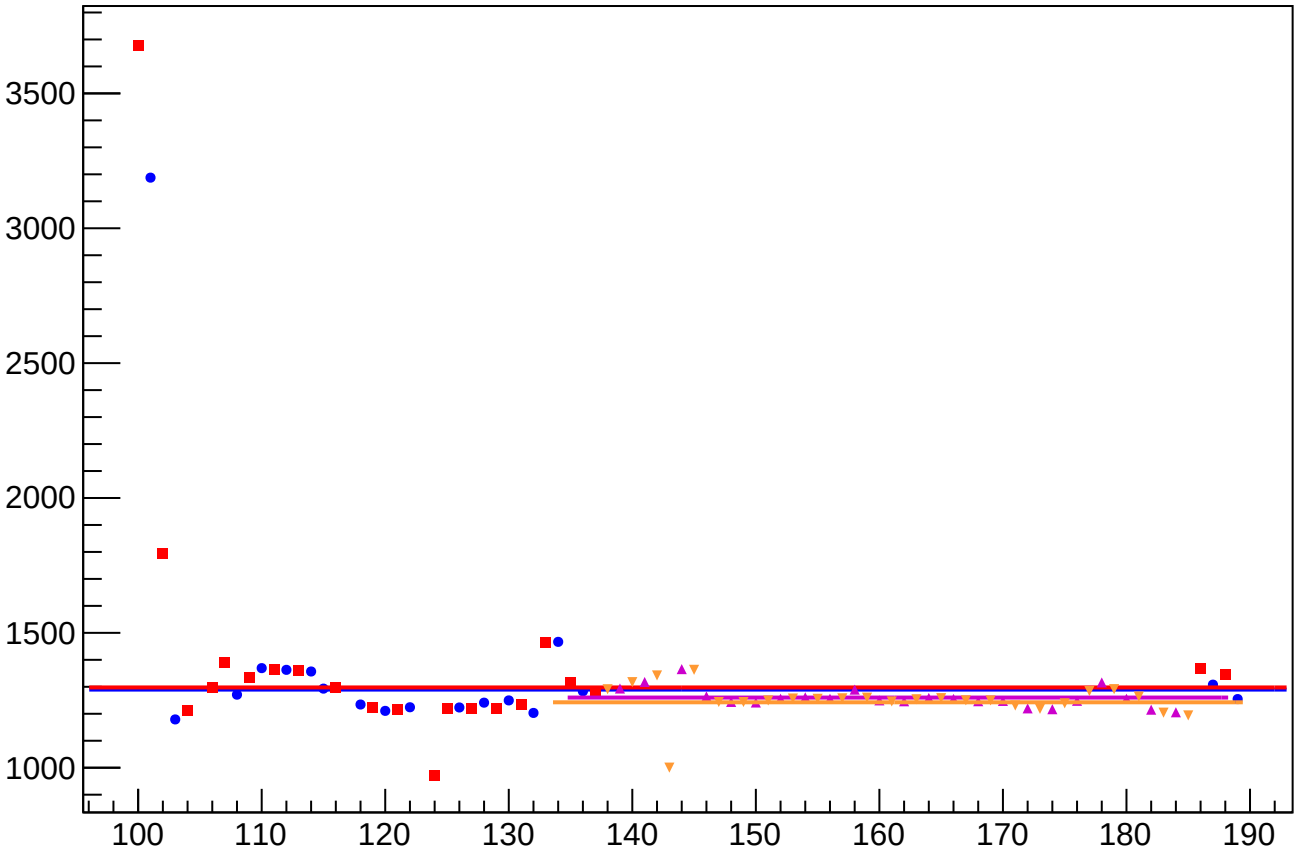
Right: 400.761+/-0.084 χ^2/NDF: 10448332.5/38

In: 293.091+/-0.045 χ^2/NDF:9725014.9/40

Out: 275.413+/-0.042 χ^2/NDF:13400729.8/45

All: 283.698+/-0.031 χ^2/NDF: 23207535.0/86


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -794.140+/-465.277 χ²/NDF: 13.8/17
Left Out: -493.435+/-282.734 χ²/NDF:34.2/24
Right Out: -180.947+/-445.342 χ²/NDF: 18.4/20
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -474.126+/-321.721 χ²/NDF: 33.1/38
In: -399.813+/-248.745 χ²/NDF:45.5/40
Out: -403.666+/-238.693 χ²/NDF:53.0/45
All: -401.819+/-172.225 χ²/NDF: 98.5/86



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.5/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

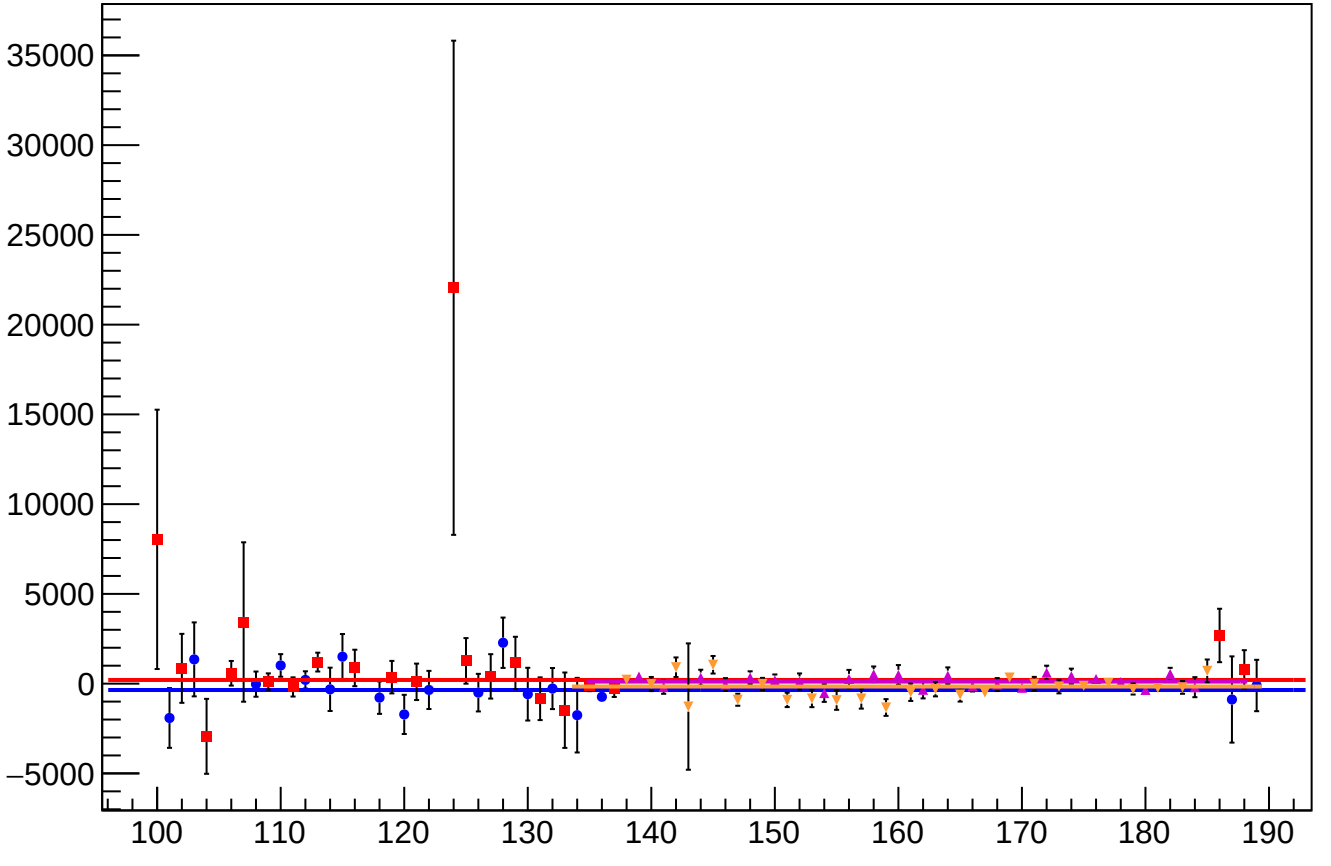
Right: 1293.826+/-0.227 χ^2/NDF: 725385.8/38

In: 1268.550+/-0.176 χ^2/NDF:544068.7/40

Out: 1258.364+/-0.169 χ^2/NDF:366551.4/45

All: 1263.247+/-0.122 χ^2/NDF: 912366.1/86

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -354.343+/-168.372 χ^2/NDF: 18.5/17

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 205.213+/-166.503 χ^2/NDF: 19.0/20

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

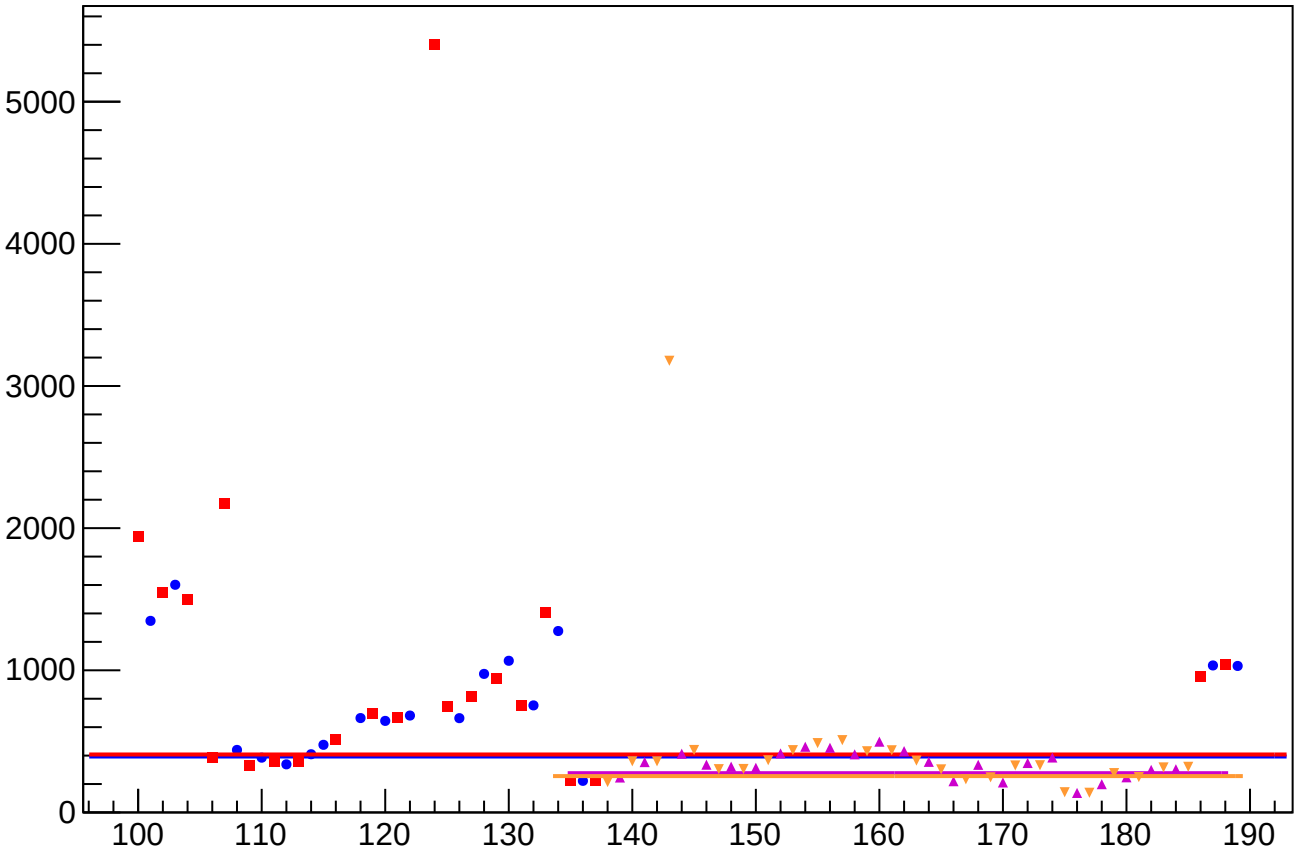
Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

Right: -71.442+/-118.391 χ^2/NDF: 43.1/38

In: 46.682+/-63.720 χ^2/NDF:43.3/40

Out: -113.630+/-59.847 χ^2/NDF:67.0/45

All: -38.494+/-43.623 χ^2/NDF: 113.7/86



Right In: 393.551+/-0.119 χ^2/NDF: 4866523.3/17

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 407.829+/-0.118 χ^2/NDF: 5574173.8/20

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

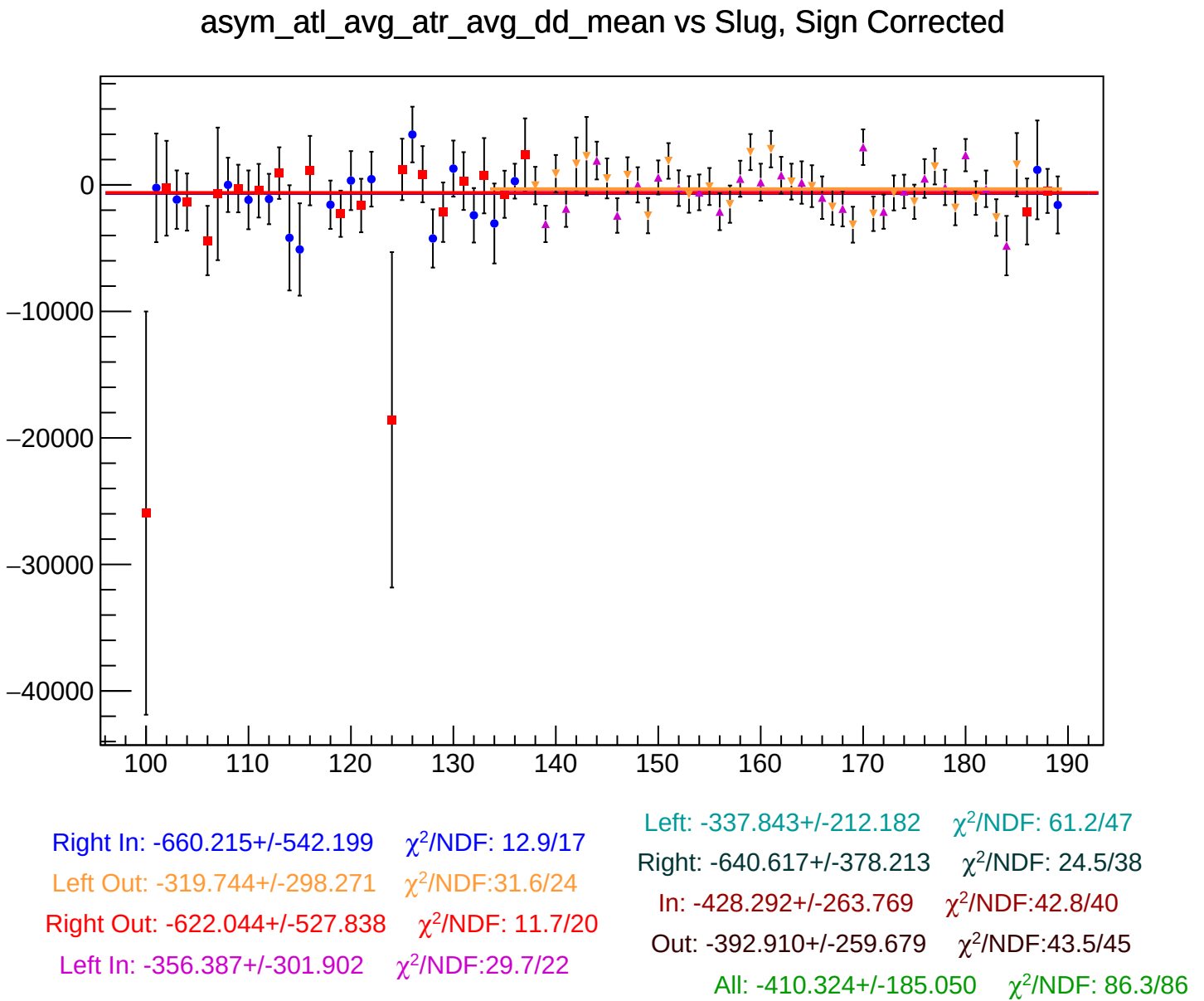
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 400.770+/-0.084 χ^2/NDF: 10447968.2/38

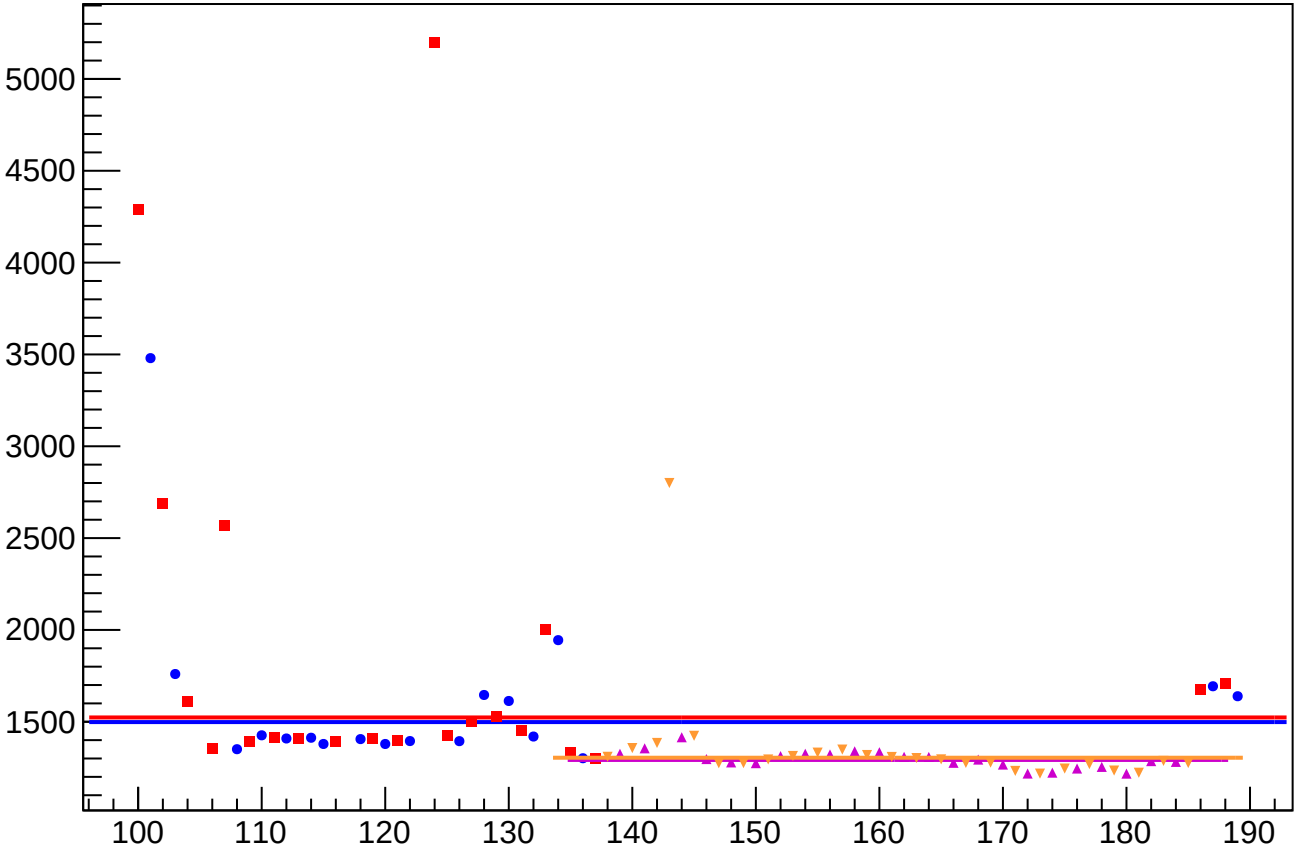
In: 293.092+/-0.045 χ^2/NDF:9724890.1/40

Out: 275.415+/-0.042 χ^2/NDF:13400563.7/45

All: 283.700+/-0.031 χ^2/NDF: 23207239.6/86


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -660.215+/-542.199 χ²/NDF: 12.9/17
Left Out: -319.744+/-298.271 χ²/NDF:31.6/24
Right Out: -622.044+/-527.838 χ²/NDF: 11.7/20
Left In: -356.387+/-301.902 χ²/NDF:29.7/22
Left: -337.843+/-212.182 χ²/NDF: 61.2/47
Right: -640.617+/-378.213 χ²/NDF: 24.5/38
In: -428.292+/-263.769 χ²/NDF:42.8/40
Out: -392.910+/-259.679 χ²/NDF:43.5/45
All: -410.324+/-185.050 χ²/NDF: 86.3/86

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1498.249+/-0.383 χ^2/NDF: 598283.9/17

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1523.482+/-0.373 χ^2/NDF: 656715.2/20

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

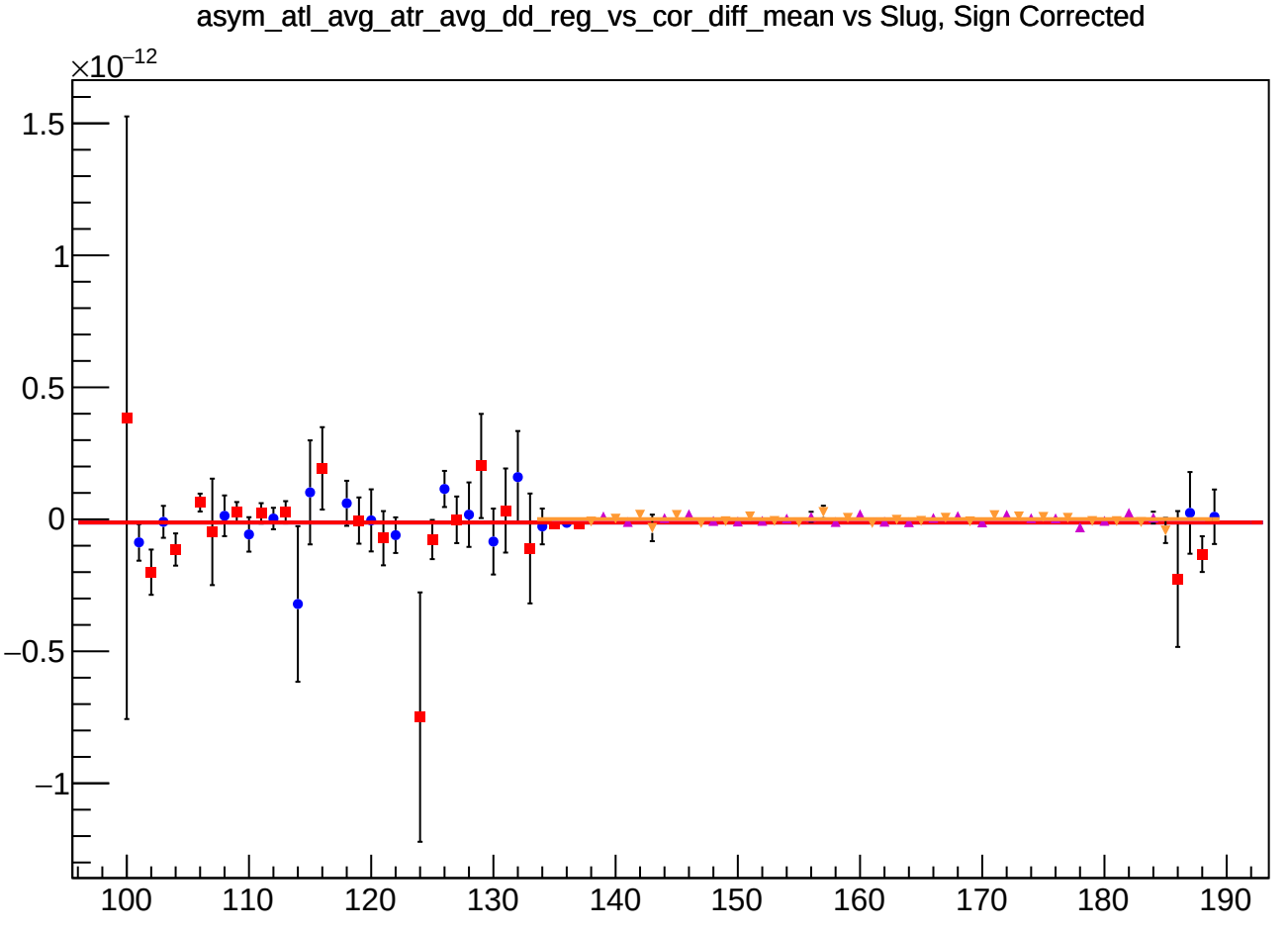
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1511.204+/-0.267 χ^2/NDF: 1257223.0/38

In: 1340.906+/-0.187 χ^2/NDF:867272.8/40

Out: 1357.240+/-0.184 χ^2/NDF:1438060.3/45

All: 1349.201+/-0.131 χ^2/NDF: 2309228.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 9.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

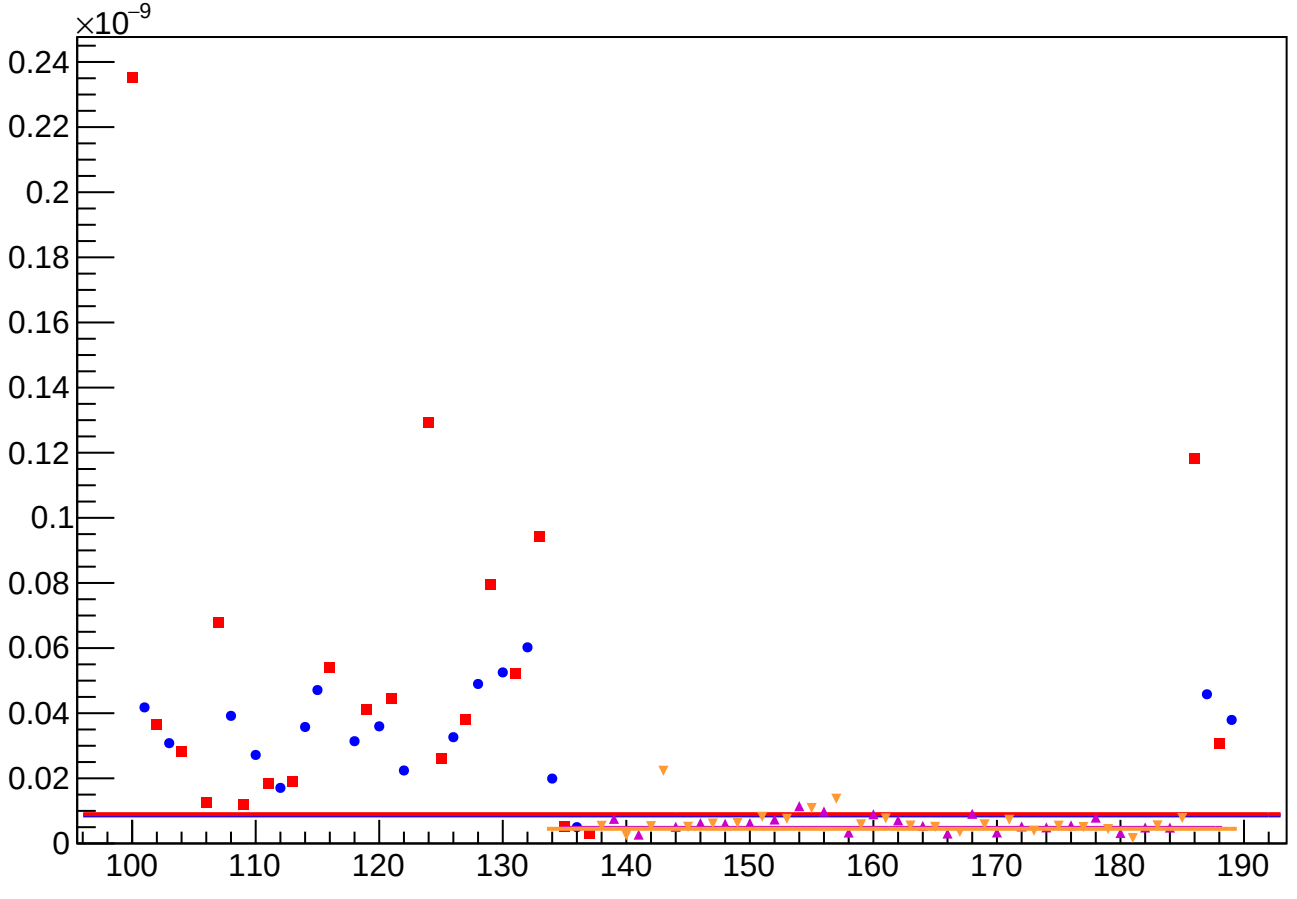
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 35.7/38

In: -0.000+/-0.000 χ^2/NDF:41.3/40

Out: -0.000+/-0.000 χ^2/NDF:52.9/45

All: -0.000+/-0.000 χ^2/NDF: 94.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 3338564.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3922083.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

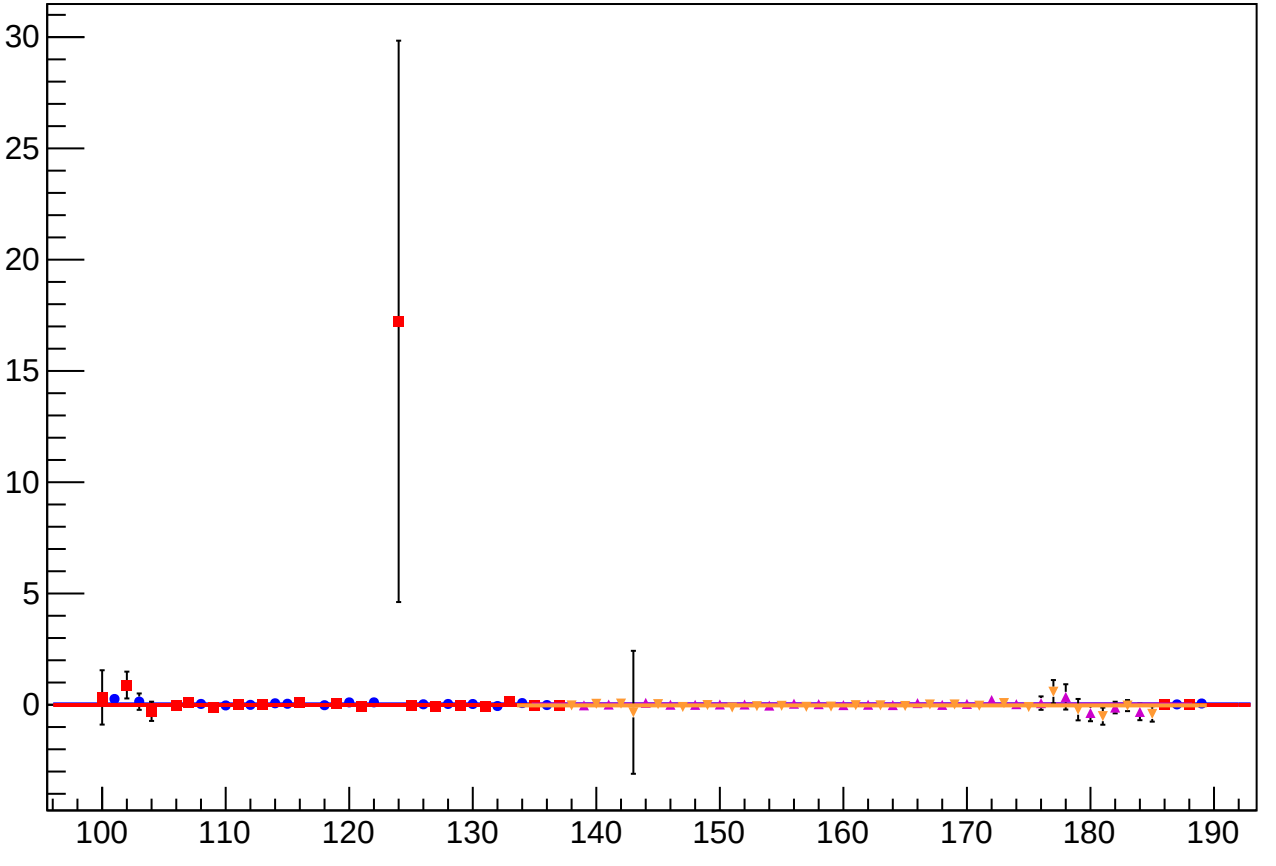
Right: 0.000+/-0.000 χ^2/NDF: 7263013.9/38

In: 0.000+/-0.000 χ^2/NDF:5723972.0/40

Out: 0.000+/-0.000 χ^2/NDF:7240495.8/45

All: 0.000+/-0.000 χ^2/NDF: 12990997.0/86

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

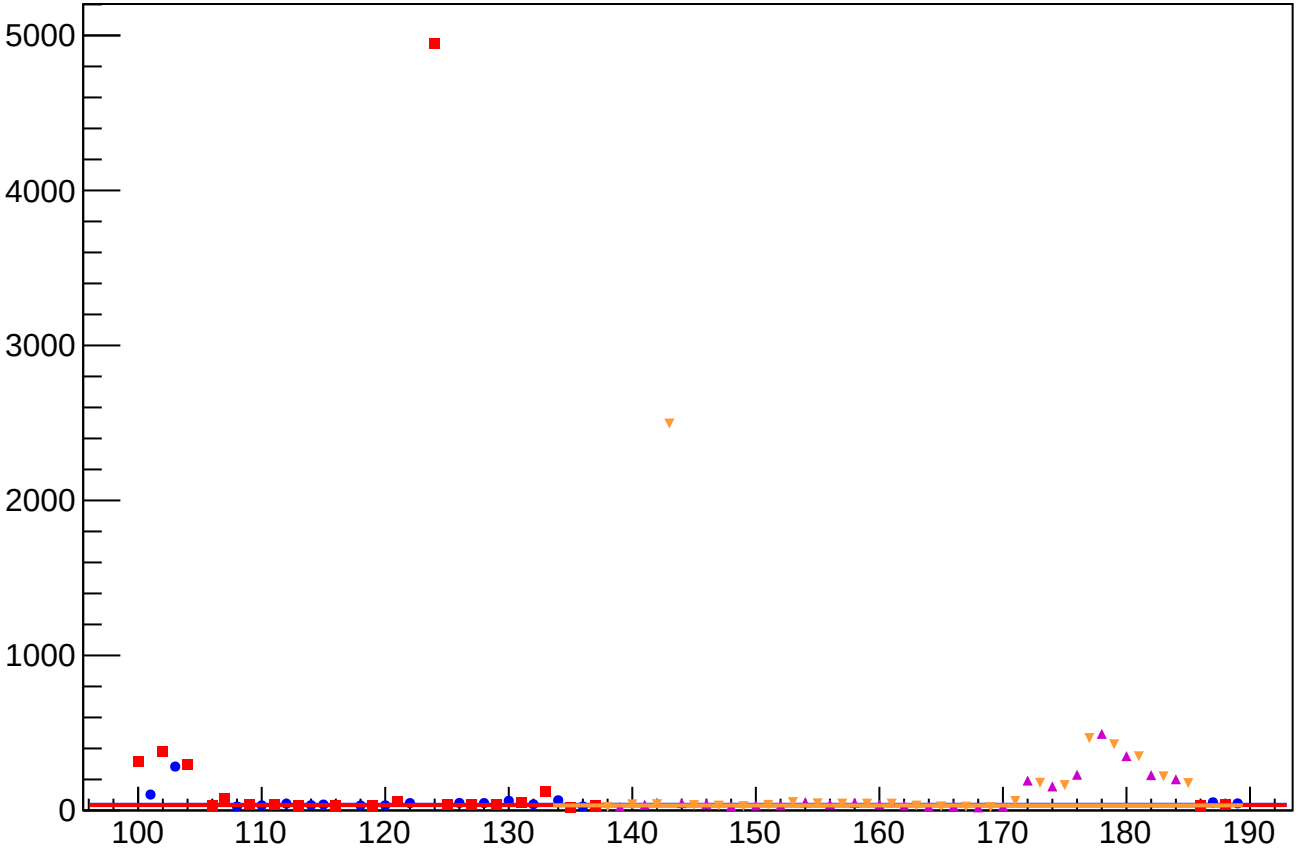
Right: 0.004+/-0.010 χ^2/NDF: 30.1/38

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 80.7/86

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

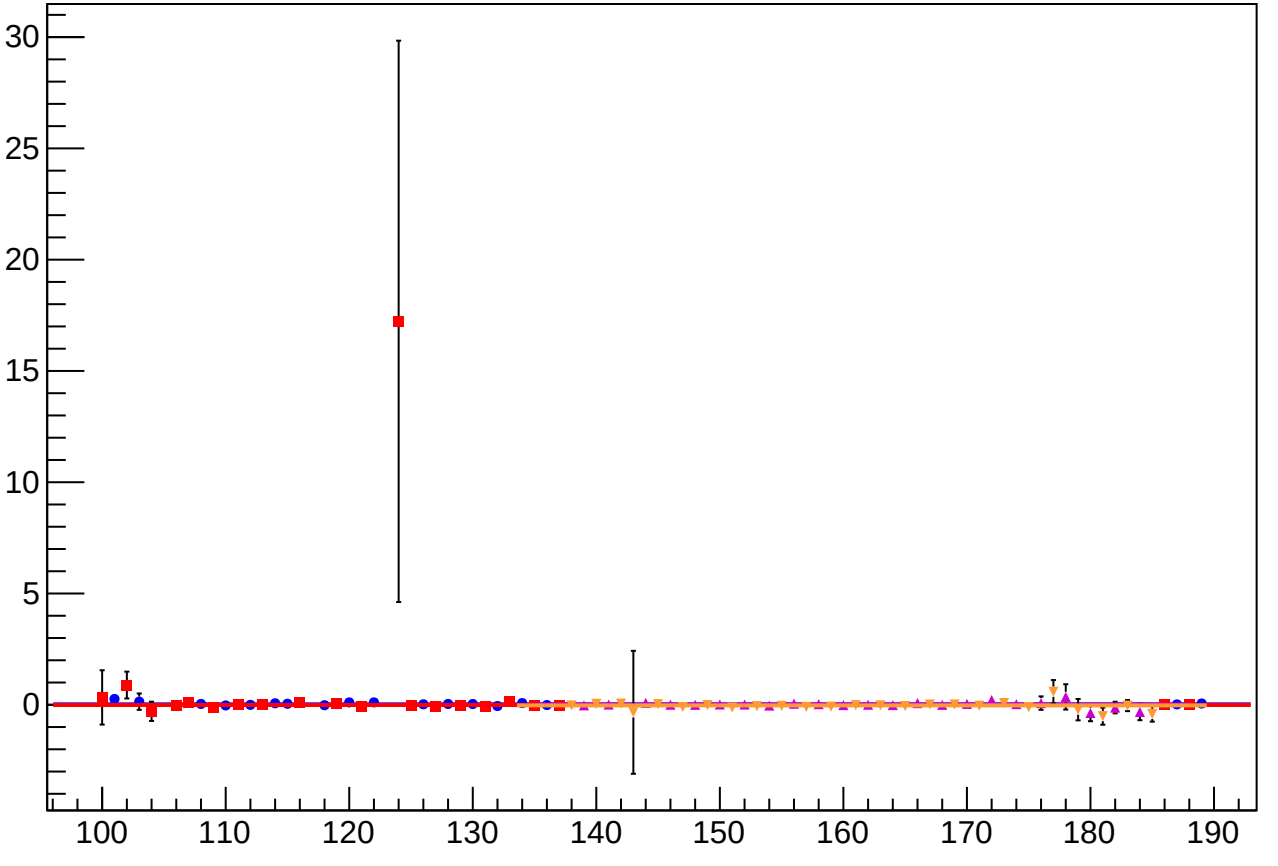
Right: 35.465+/-0.007 χ^2/NDF: 5296558.0/38

In: 33.800+/-0.006 χ^2/NDF:11387632.0/40

Out: 33.195+/-0.006 χ^2/NDF:13844256.9/45

All: 33.492+/-0.004 χ^2/NDF: 25237686.8/86

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

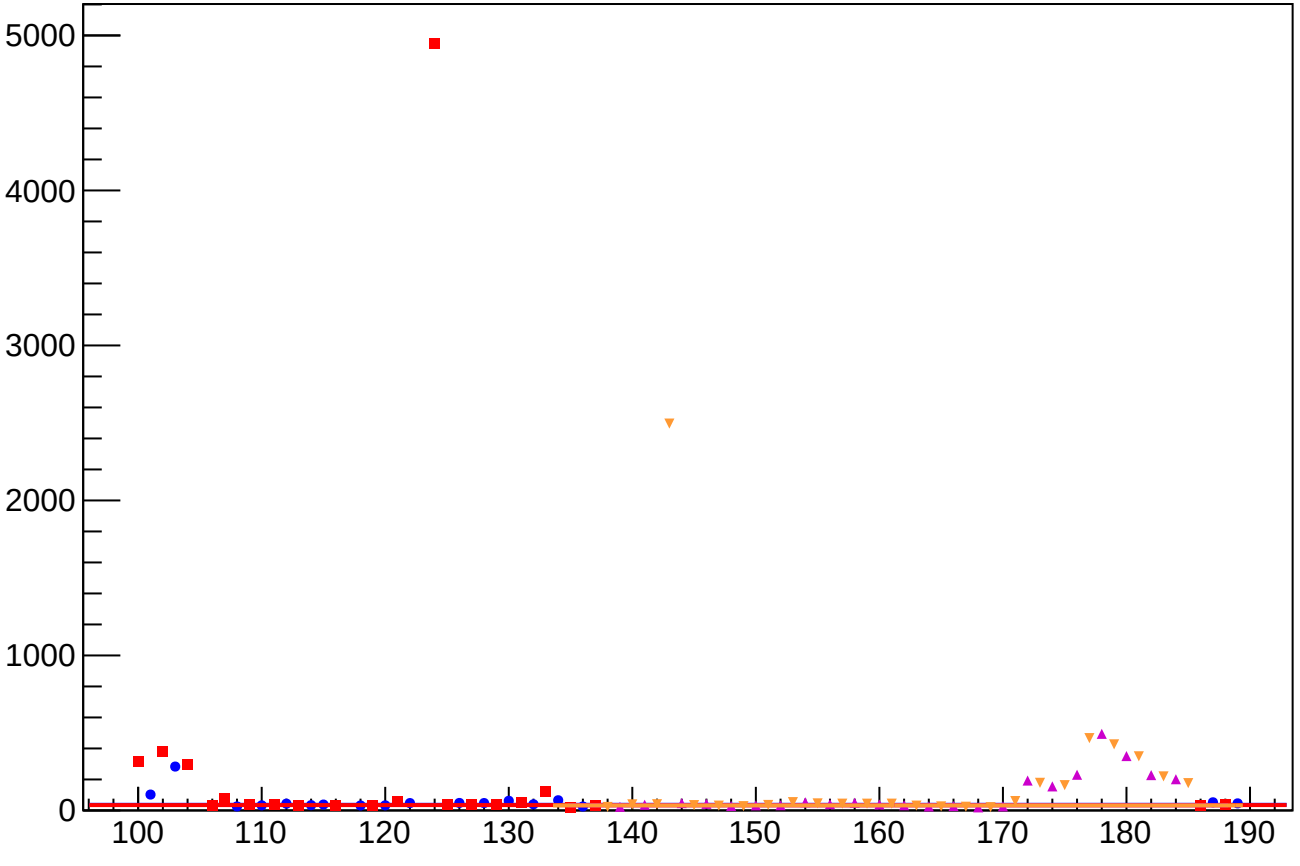
Right: 0.004+/-0.010 χ^2/NDF: 30.1/38

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 80.7/86

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

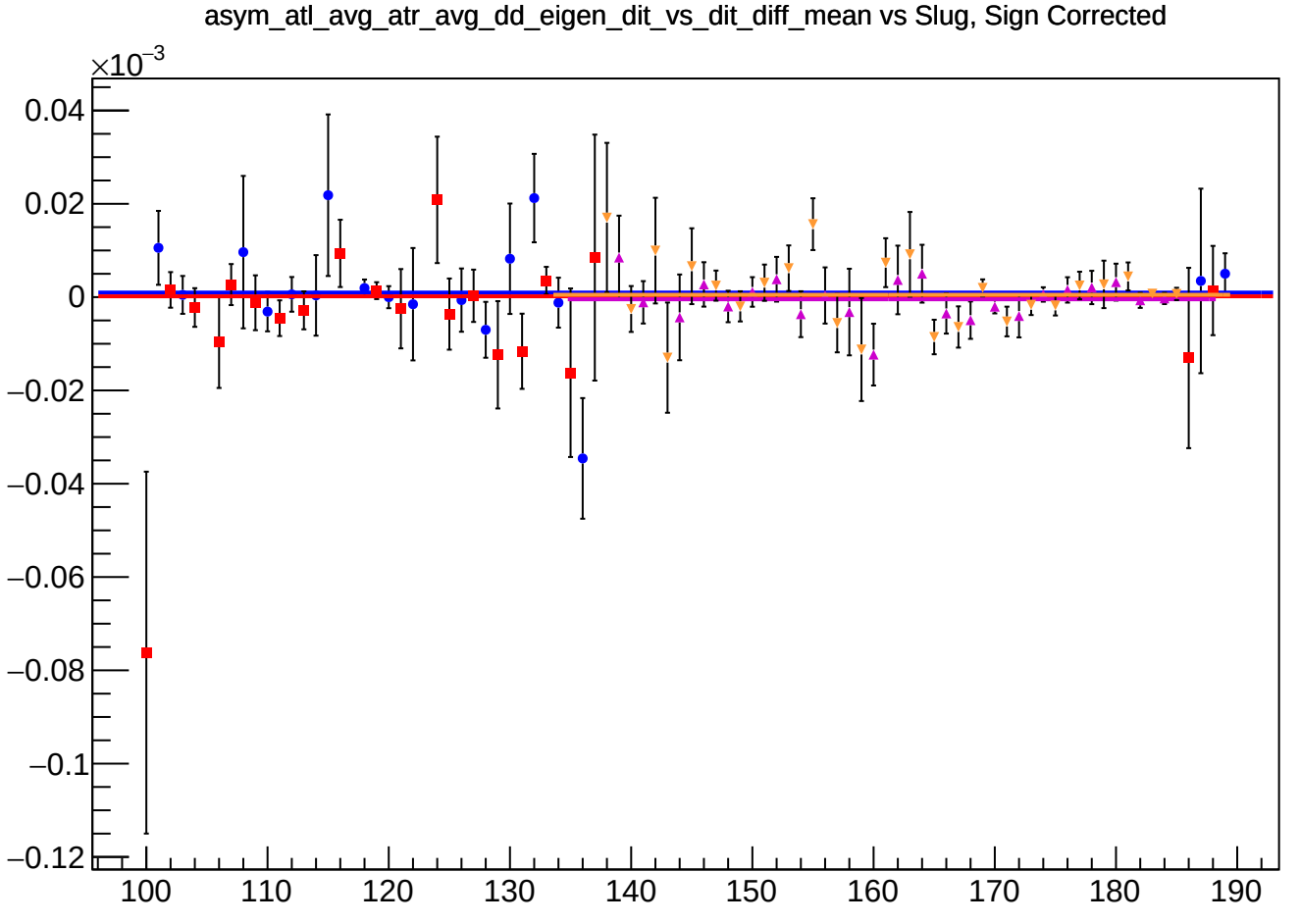
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.465+/-0.007 χ^2/NDF: 5296558.0/38

In: 33.800+/-0.006 χ^2/NDF:11387632.0/40

Out: 33.195+/-0.006 χ^2/NDF:13844256.9/45

All: 33.492+/-0.004 χ^2/NDF: 25237686.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

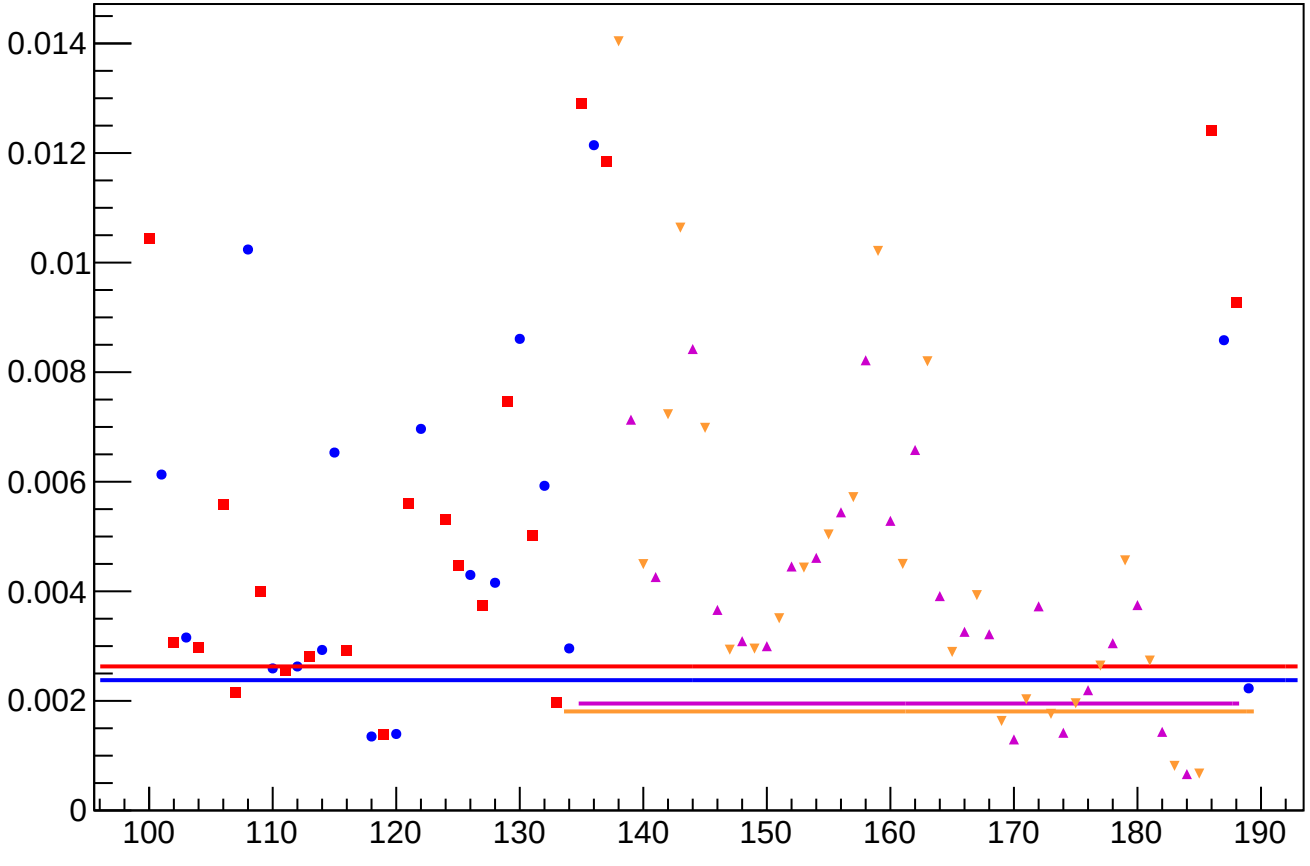
Right: 0.000+/-0.000 χ^2/NDF: 38.9/38

In: -0.000+/-0.000 χ^2/NDF:35.1/40

Out: 0.000+/-0.000 χ^2/NDF:54.4/45

All: 0.000+/-0.000 χ^2/NDF: 90.1/86

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4920920.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4894314.9/20

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

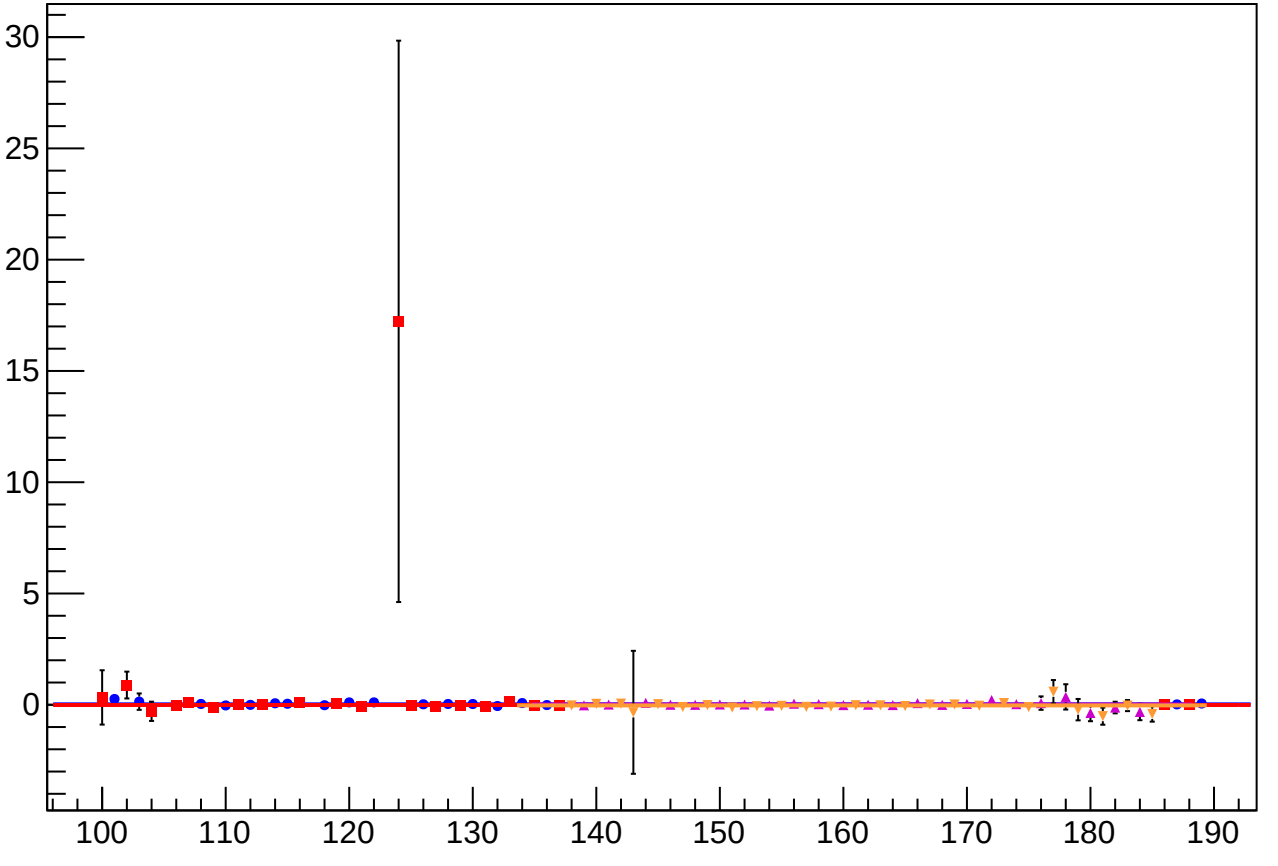
Right: 0.003+/-0.000 χ^2/NDF: 9870924.6/38

In: 0.002+/-0.000 χ^2/NDF:16643075.7/40

Out: 0.002+/-0.000 χ^2/NDF:20790288.4/45

All: 0.002+/-0.000 χ^2/NDF: 37452564.0/86

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

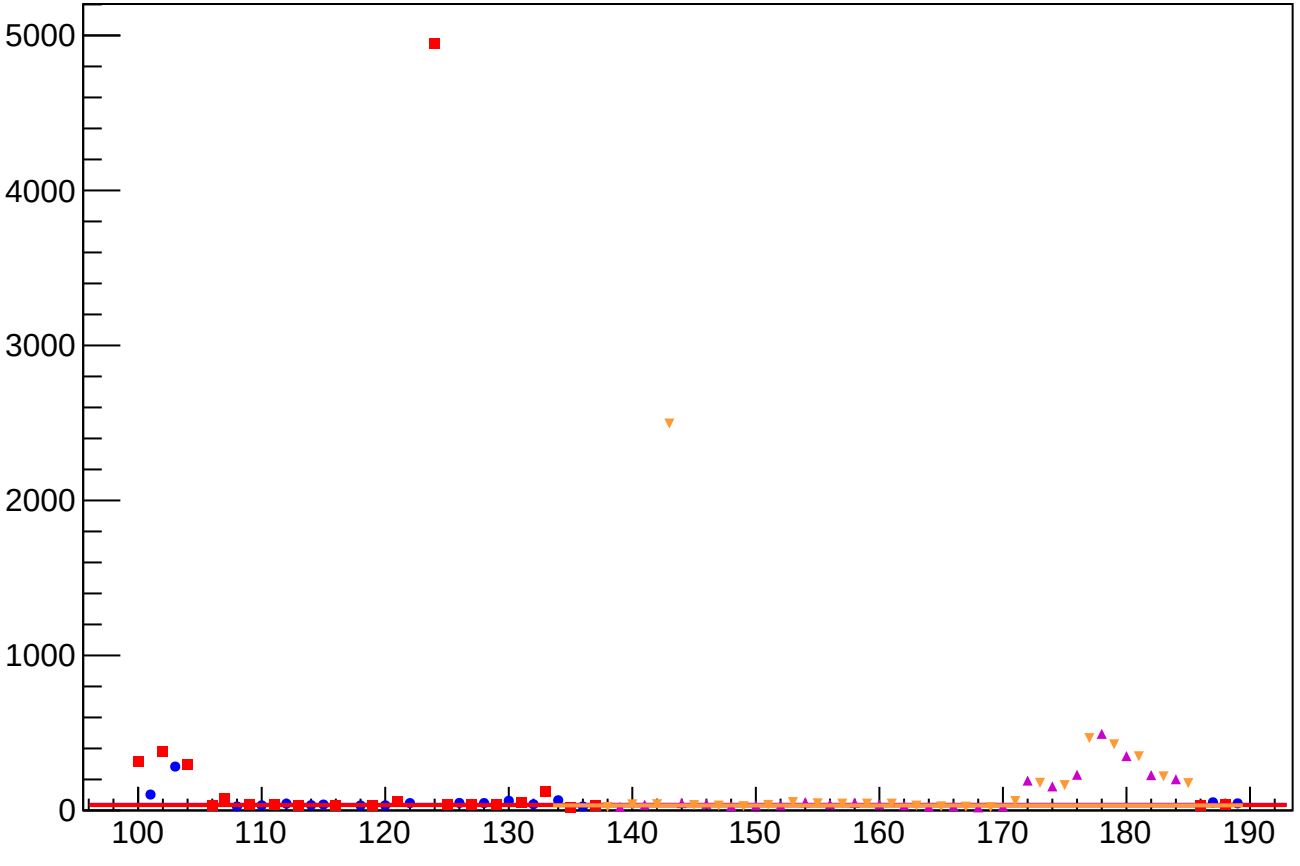
Right: 0.004+/-0.010 χ^2/NDF: 30.1/38

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 80.7/86

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

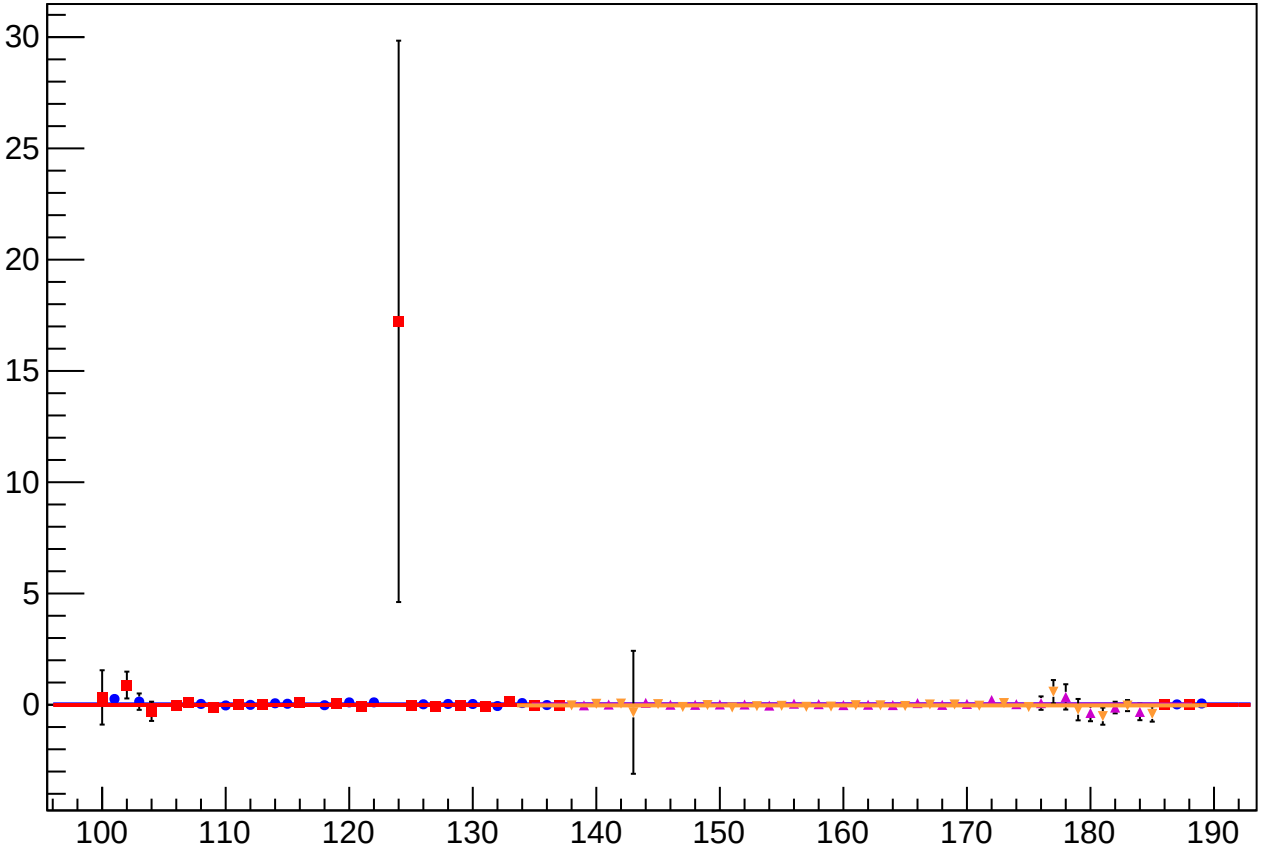
Right: 35.466+/-0.007 χ^2/NDF: 5296098.0/38

In: 33.800+/-0.006 χ^2/NDF:11388094.2/40

Out: 33.195+/-0.006 χ^2/NDF:13844349.7/45

All: 33.492+/-0.004 χ^2/NDF: 25238231.7/86

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

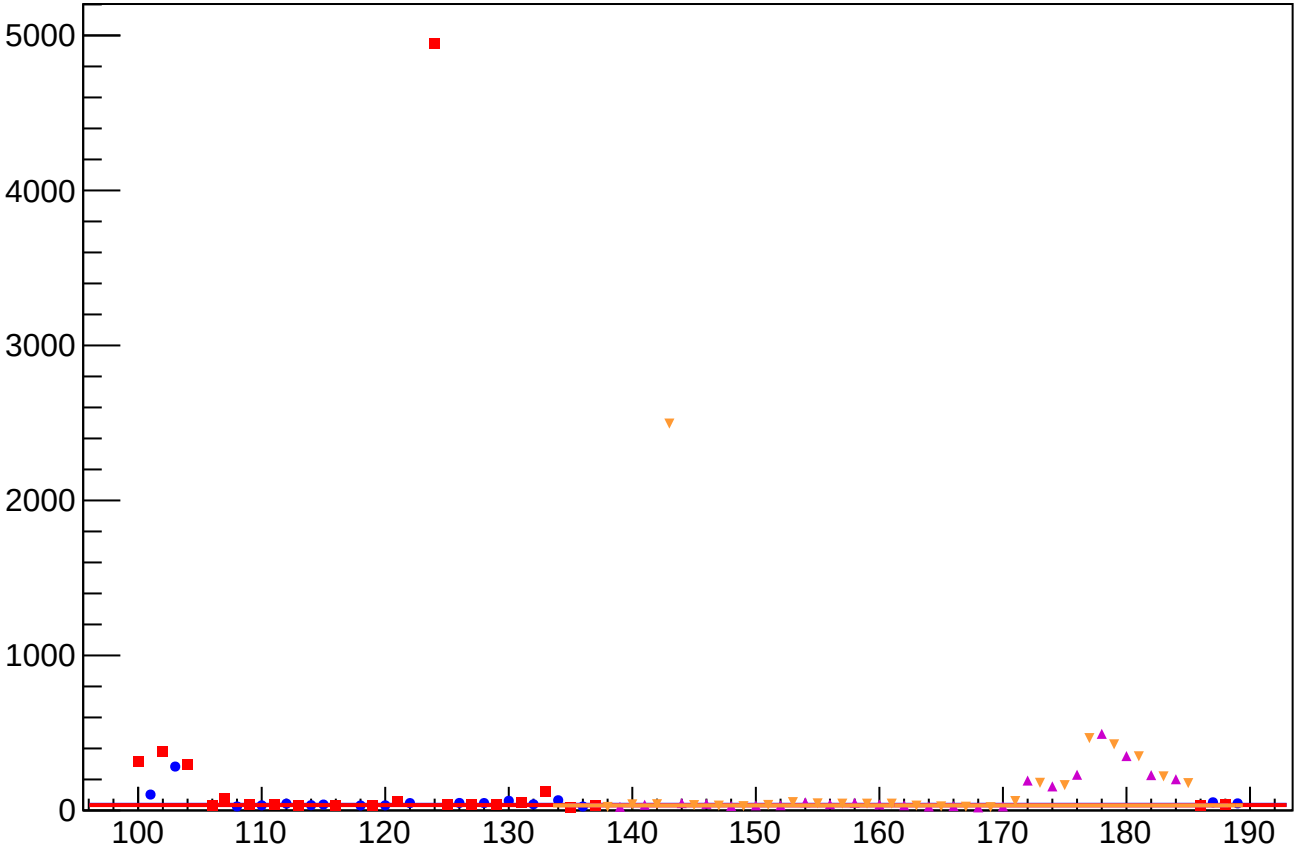
Right: 0.004+/-0.010 χ^2/NDF: 30.1/38

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 80.7/86

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

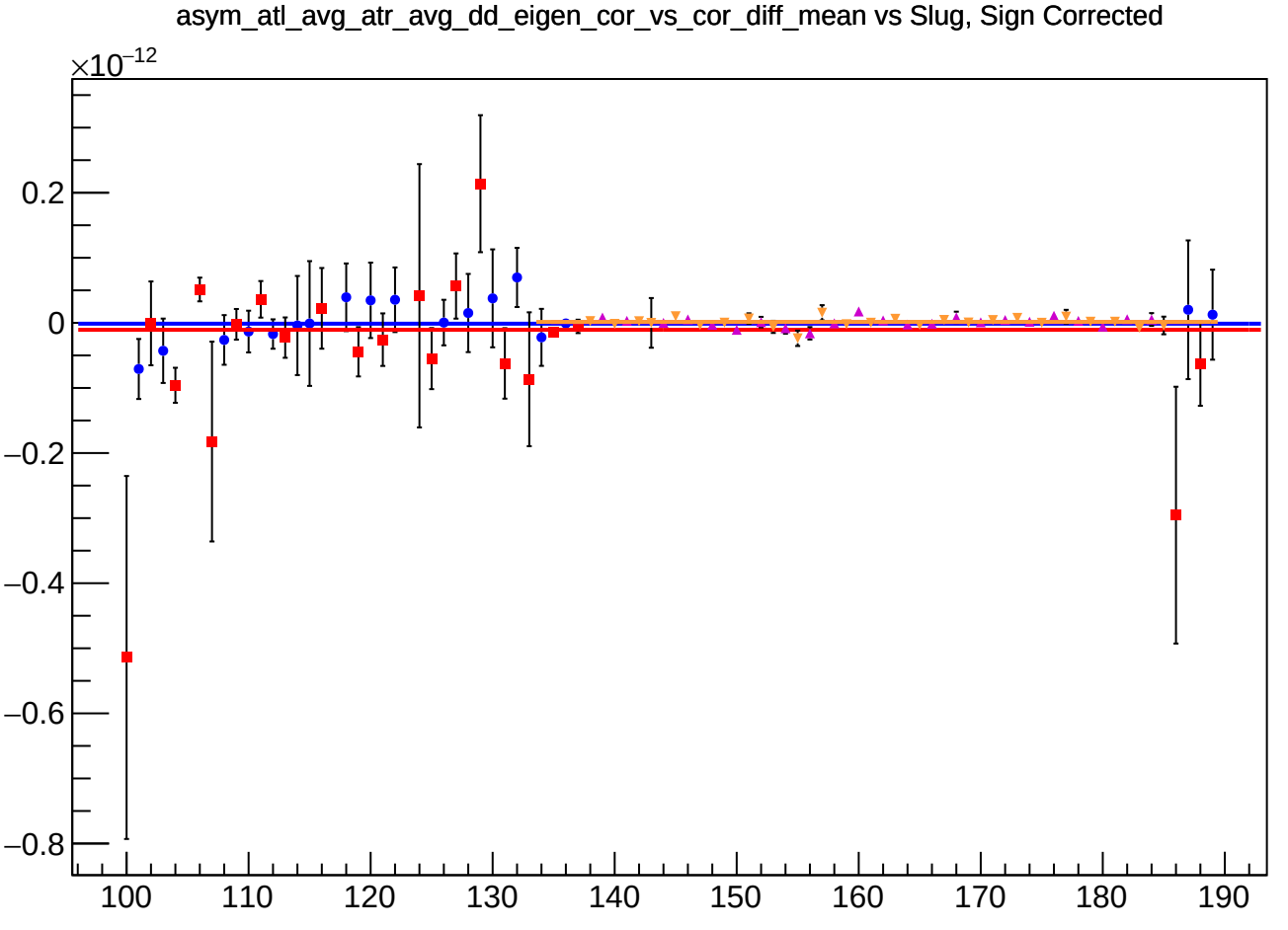
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 35.466+/-0.007 χ^2/NDF: 5296098.0/38

In: 33.800+/-0.006 χ^2/NDF:11388094.2/40

Out: 33.195+/-0.006 χ^2/NDF:13844349.7/45

All: 33.492+/-0.004 χ^2/NDF: 25238231.7/86



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.6/20

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

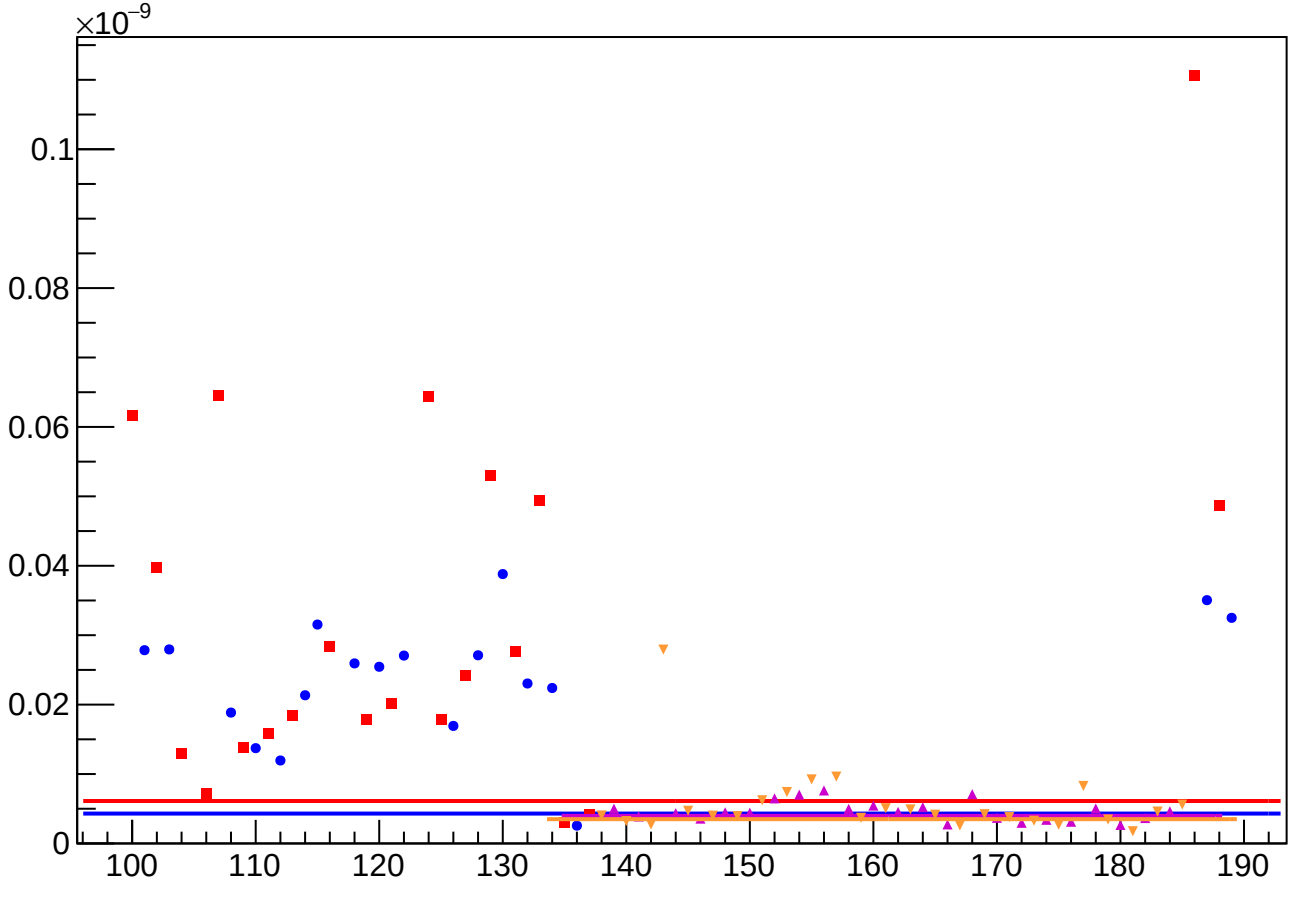
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 54.4/38

In: 0.000+/-0.000 χ^2/NDF:37.9/40

Out: 0.000+/-0.000 χ^2/NDF:68.7/45

All: 0.000+/-0.000 χ^2/NDF: 106.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 5580787.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6295310.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

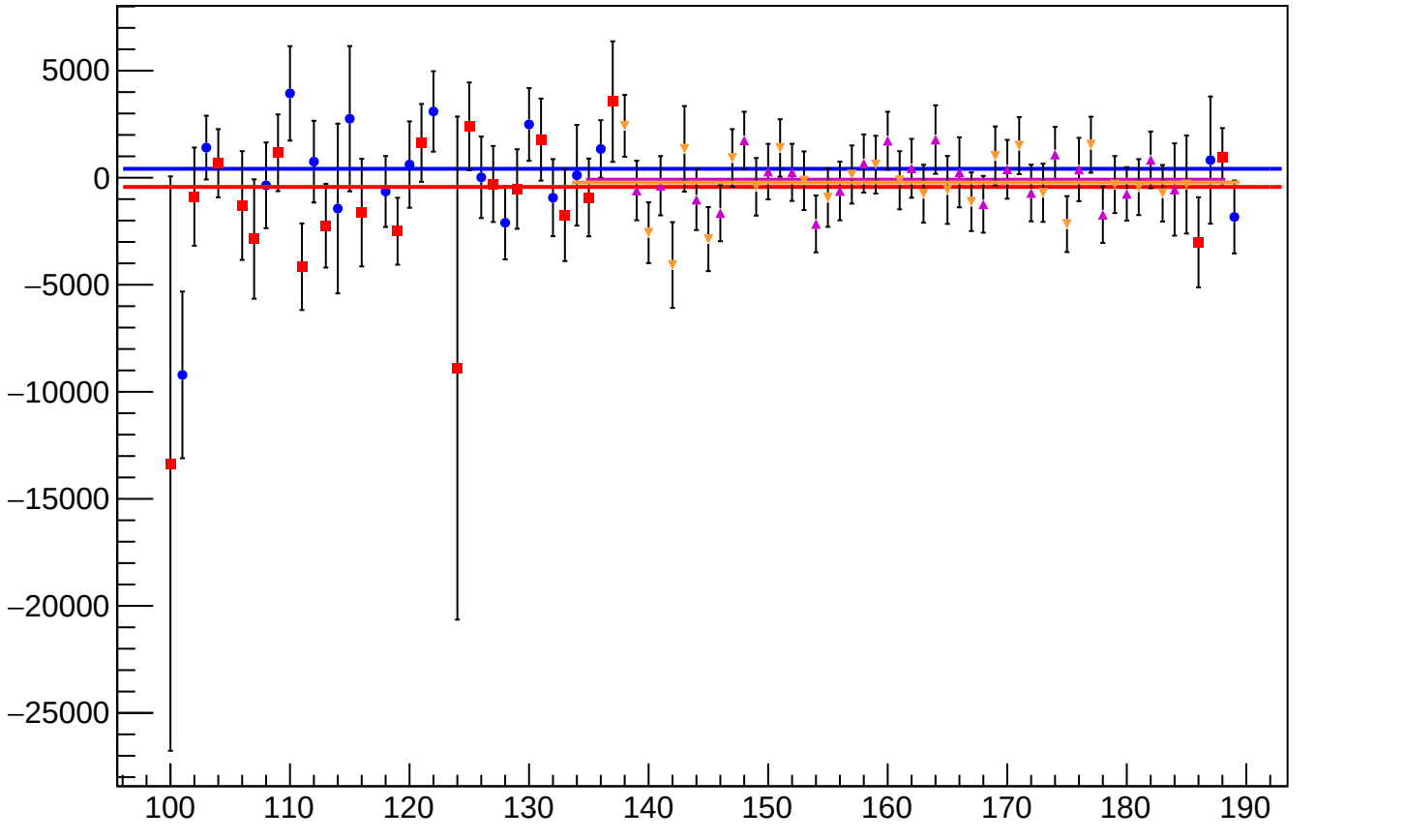
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 12101659.9/38

In: 0.000+/-0.000 χ^2/NDF:7670796.0/40

Out: 0.000+/-0.000 χ^2/NDF:11725600.6/45

All: 0.000+/-0.000 χ^2/NDF: 19509084.5/86



Right In: 416.942+/-458.583 χ^2/NDF: 19.0/17

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -430.074+/-442.880 χ^2/NDF: 19.4/20

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

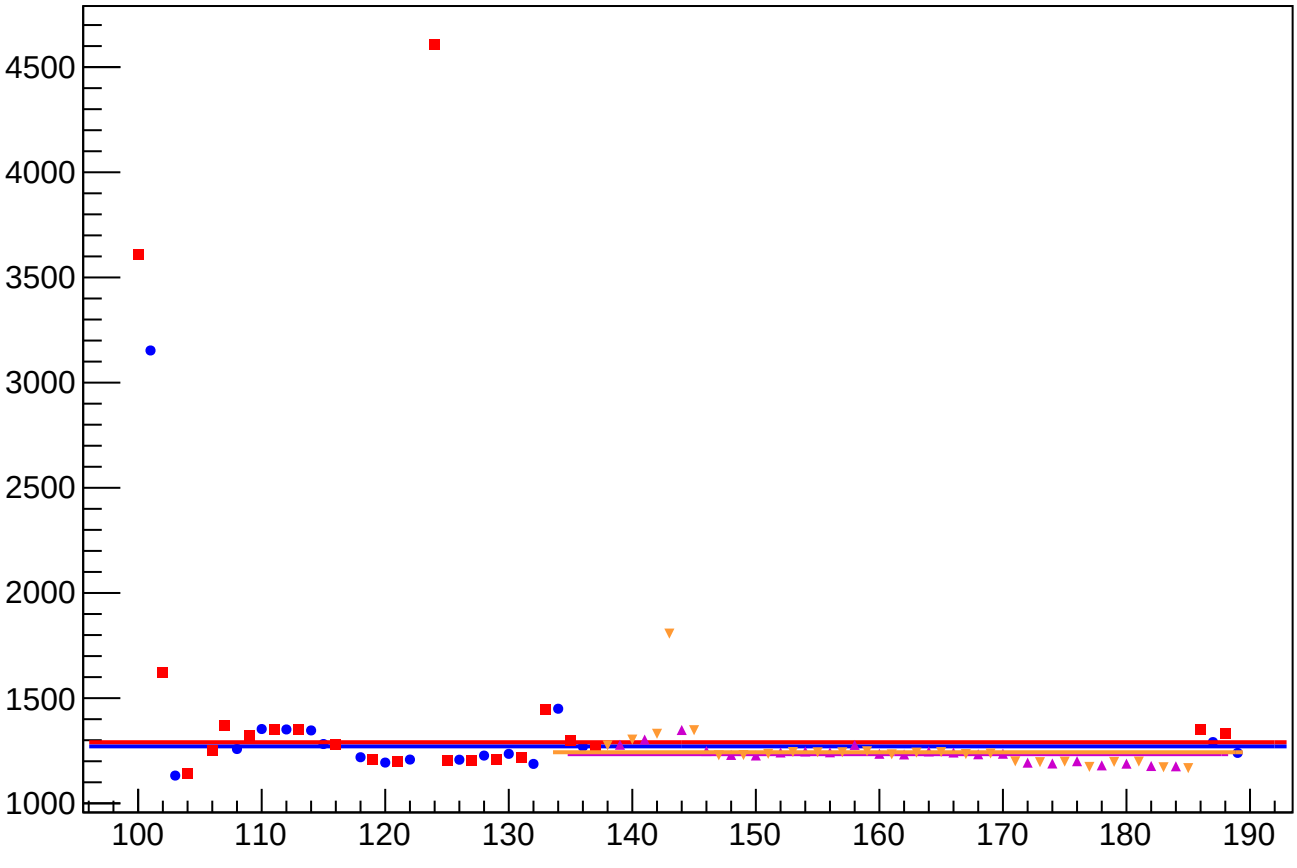
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -21.316+/-318.570 χ^2/NDF: 40.1/38

In: 51.822+/-244.023 χ^2/NDF:34.5/40

Out: -281.436+/-238.504 χ^2/NDF:43.5/45

All: -118.619+/-170.566 χ^2/NDF: 79.0/86



Right In: 1270.843+/-0.324 χ^2/NDF: 520091.4/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1290.531+/-0.313 χ^2/NDF: 326092.8/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

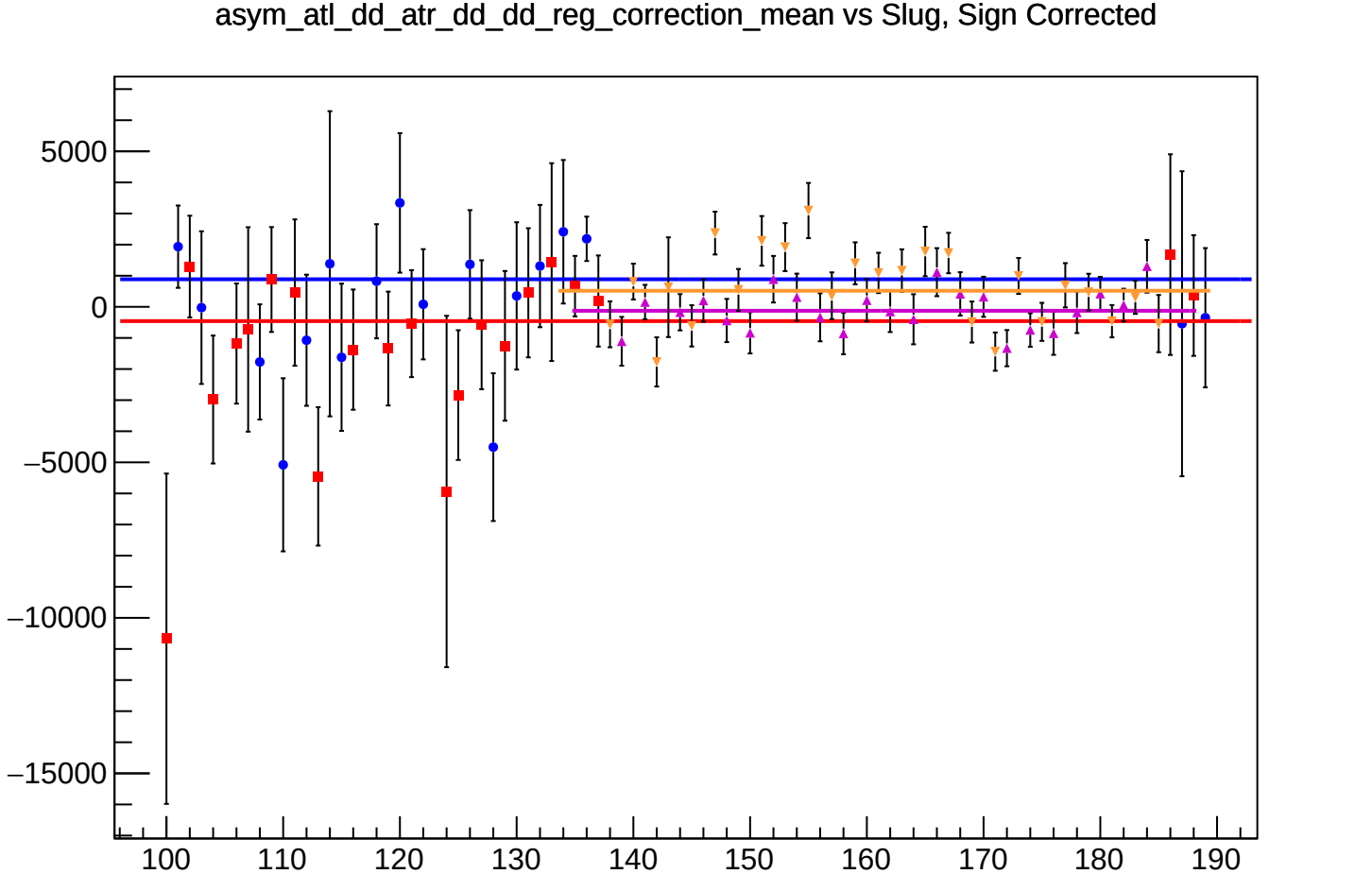
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1281.030+/-0.225 χ^2/NDF: 848091.6/38

In: 1244.255+/-0.173 χ^2/NDF:568752.1/40

Out: 1256.660+/-0.169 χ^2/NDF:545868.4/45

All: 1250.600+/-0.121 χ^2/NDF: 1117264.1/86



Right In: 886.254+/-416.818 χ^2/NDF: 20.3/17

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -458.611+/-425.275 χ^2/NDF: 17.8/20

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

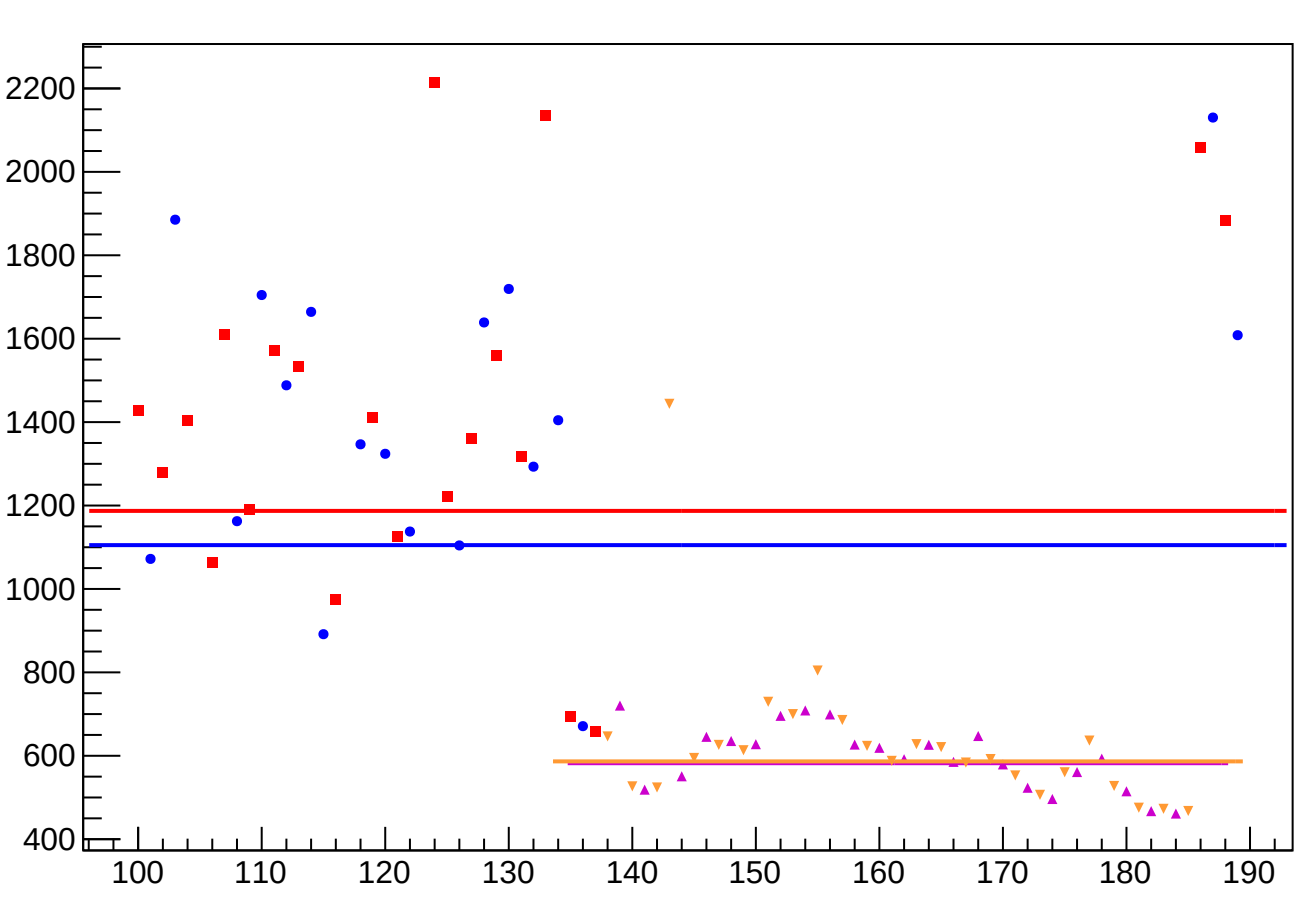
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 227.326+/-297.680 χ^2/NDF: 43.2/38

In: -27.474+/-130.378 χ^2/NDF:47.2/40

Out: 426.601+/-129.318 χ^2/NDF:89.6/45

All: 201.417+/-91.814 χ^2/NDF: 142.9/86



Right In: 1105.073+/-0.295 χ^2/NDF: 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1187.148+/-0.301 χ^2/NDF: 1724492.9/20

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

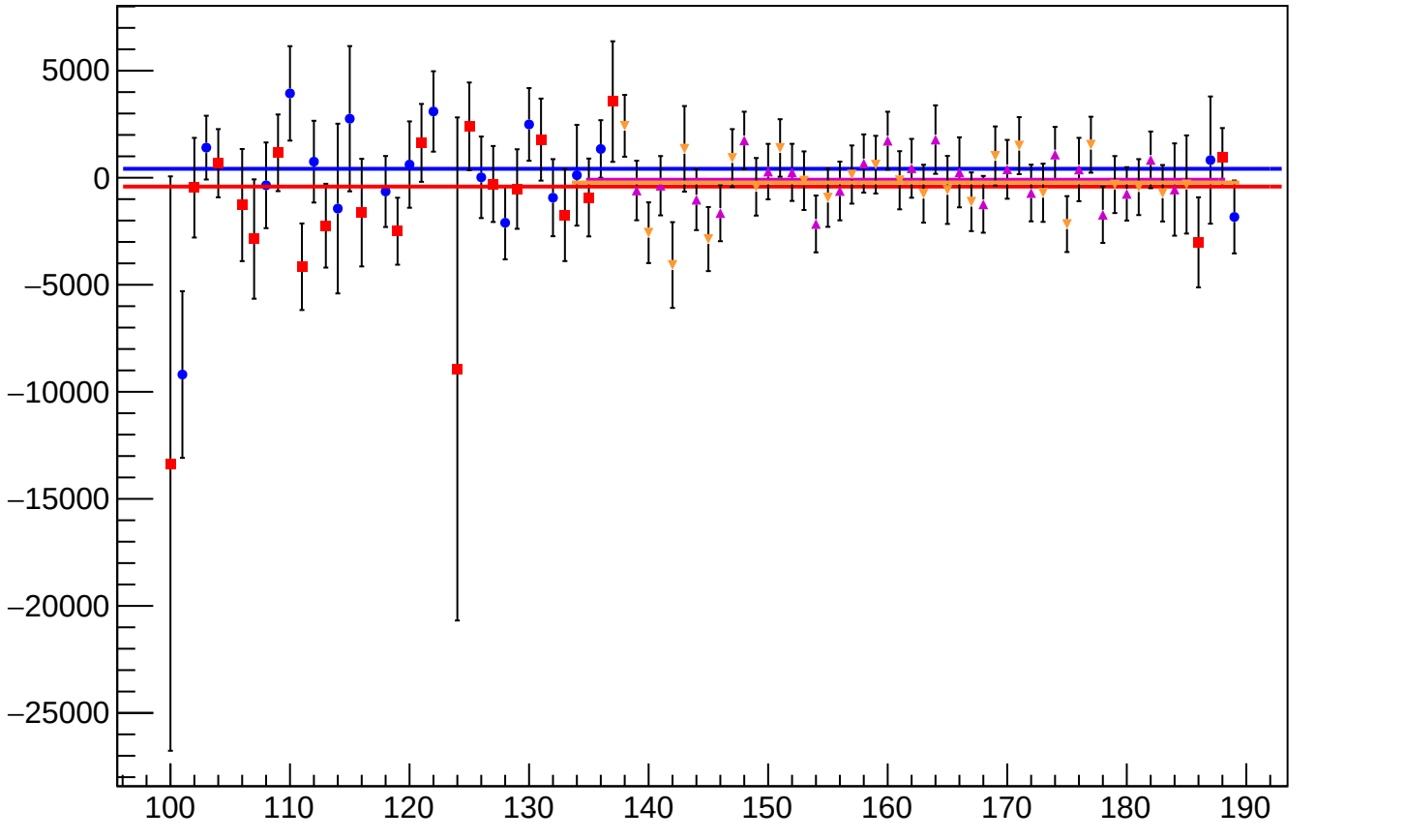
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1145.286+/-0.210 χ^2/NDF: 3440729.5/38

In: 633.349+/-0.092 χ^2/NDF:5076912.5/40

Out: 642.091+/-0.091 χ^2/NDF:6547421.4/45

All: 637.756+/-0.065 χ^2/NDF: 11628866.1/86



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -412.448+/-443.519 χ^2/NDF: 19.4/20

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

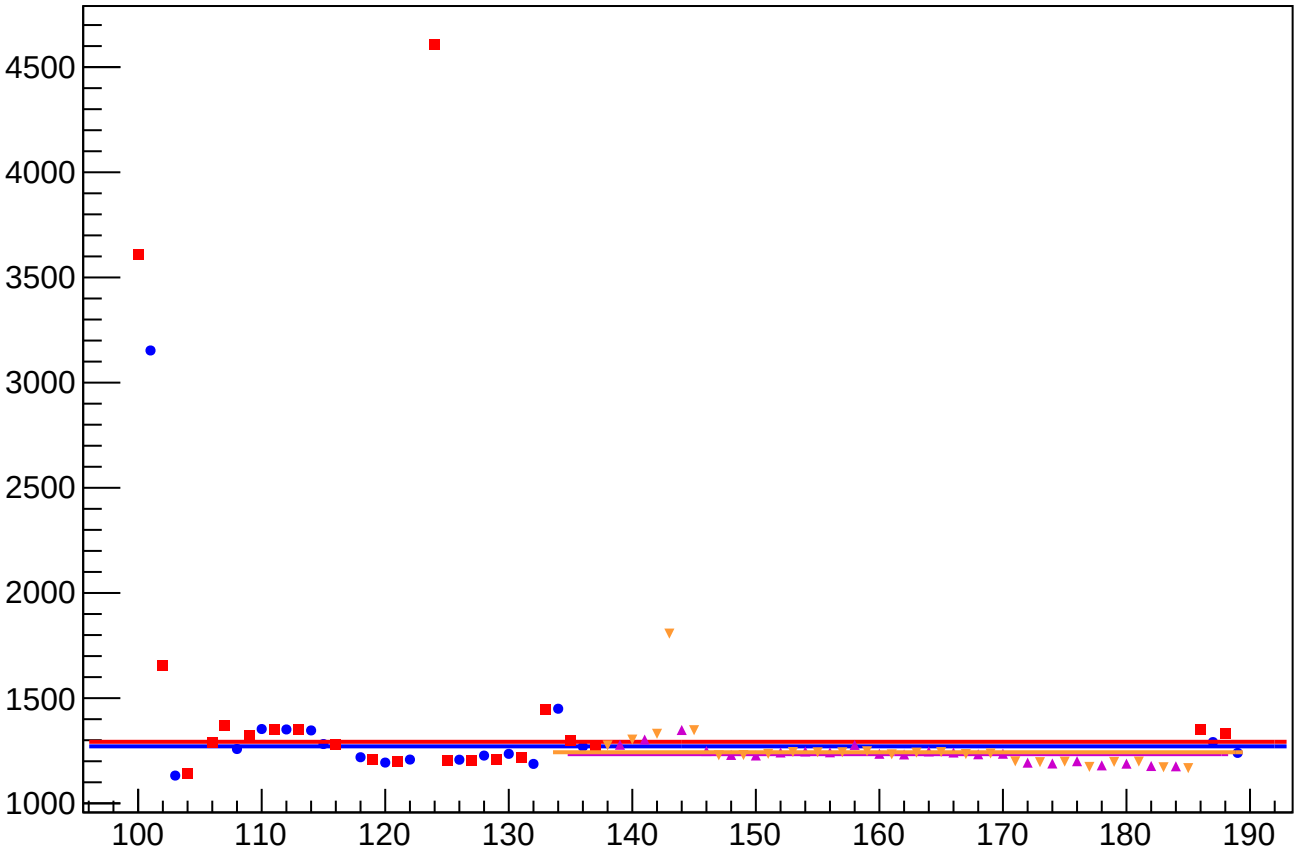
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -11.463+/-318.808 χ^2/NDF: 40.0/38

In: 51.852+/-244.023 χ^2/NDF:34.5/40

Out: -276.235+/-238.604 χ^2/NDF:43.4/45

All: -115.876+/-170.602 χ^2/NDF: 78.9/86



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

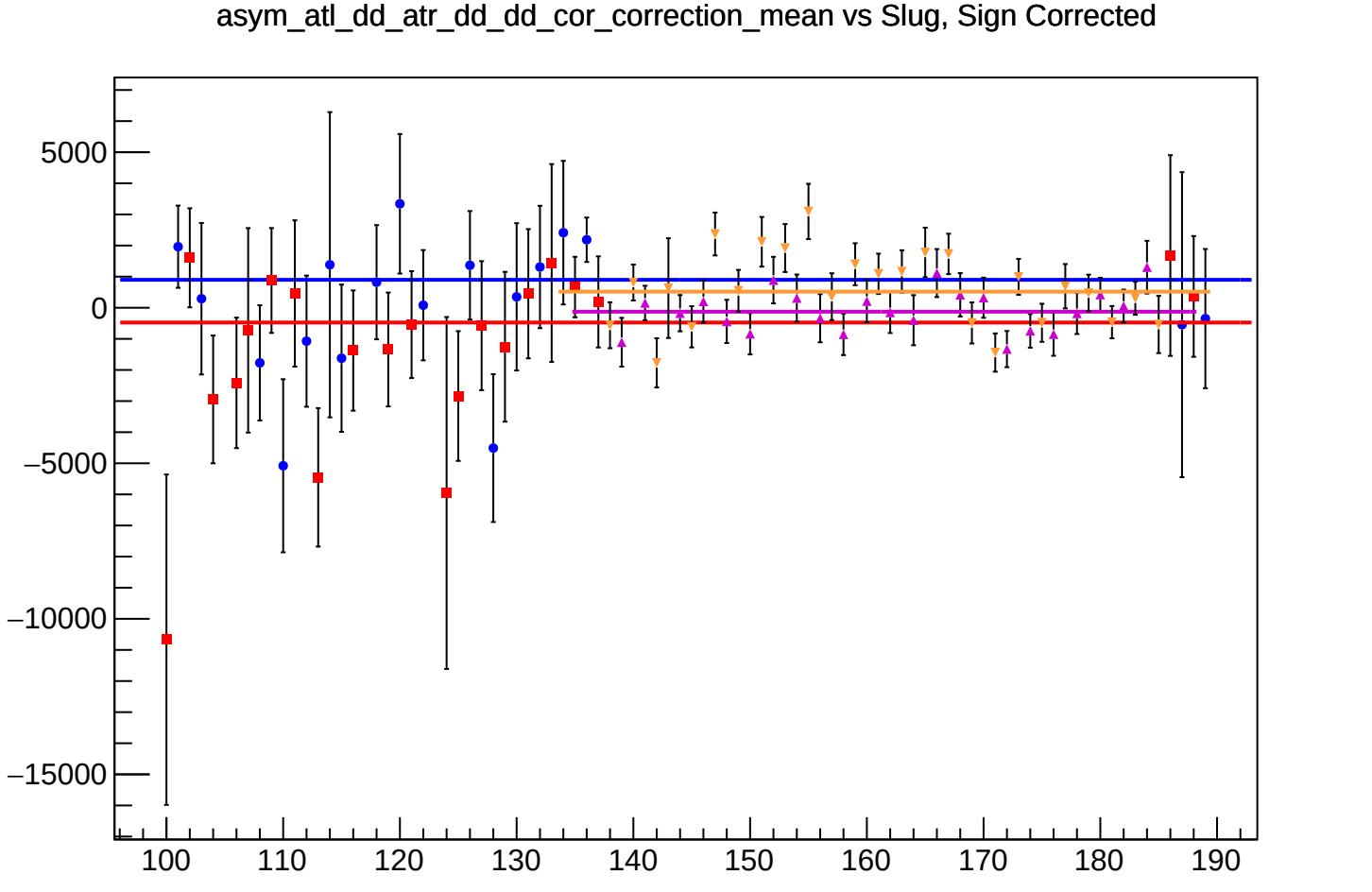
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1282.032+/-0.225 χ^2/NDF: 854827.6/38

In: 1244.255+/-0.173 χ^2/NDF:568753.4/40

Out: 1257.201+/-0.169 χ^2/NDF:553556.2/45

All: 1250.874+/-0.121 χ^2/NDF: 1125187.6/86



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

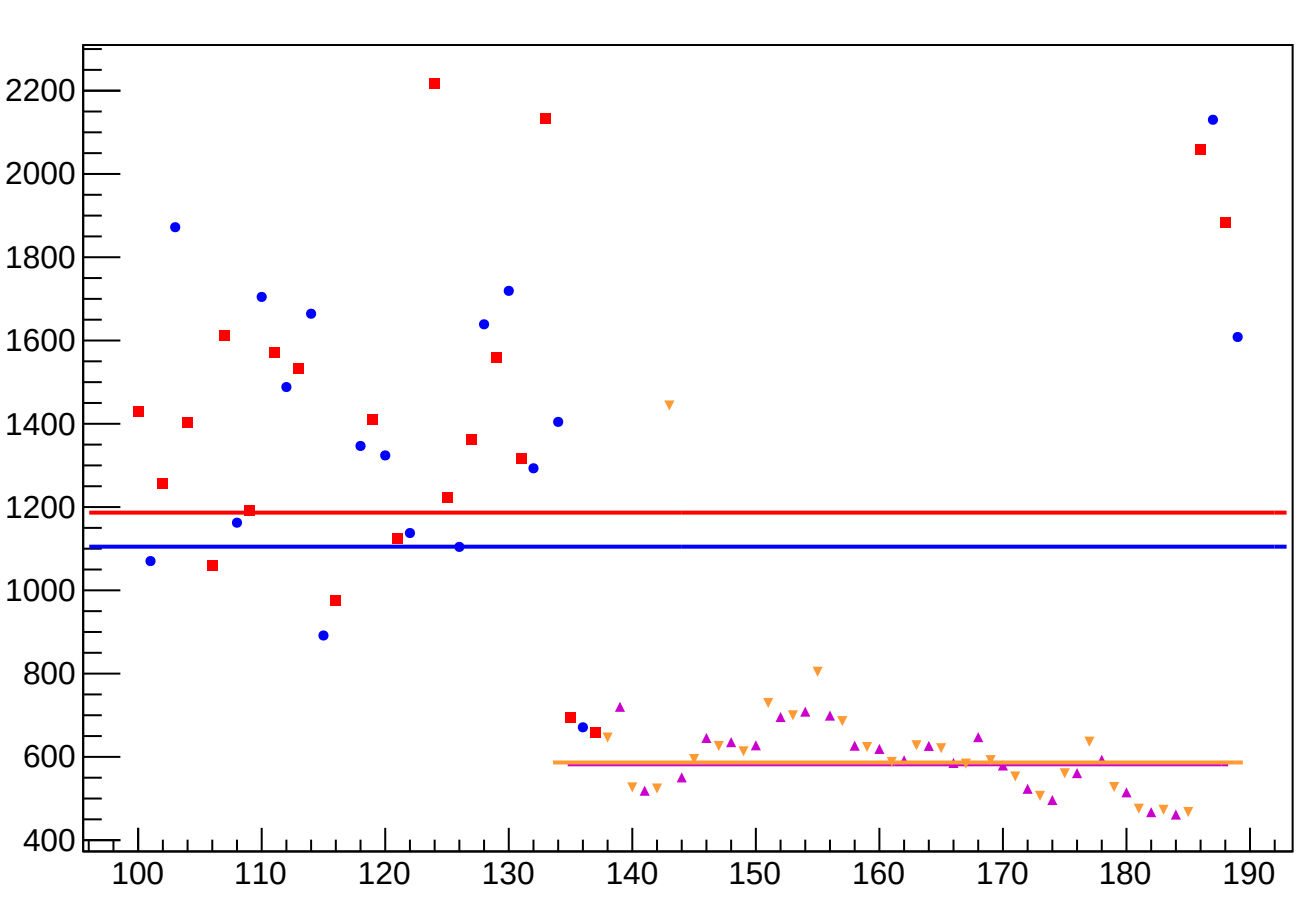
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 227.134+/-297.883 χ^2/NDF: 44.6/38

In: -26.221+/-130.373 χ^2/NDF:47.3/40

Out: 425.451+/-129.340 χ^2/NDF:91.0/45

All: 201.411+/-91.820 χ^2/NDF: 144.3/86



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

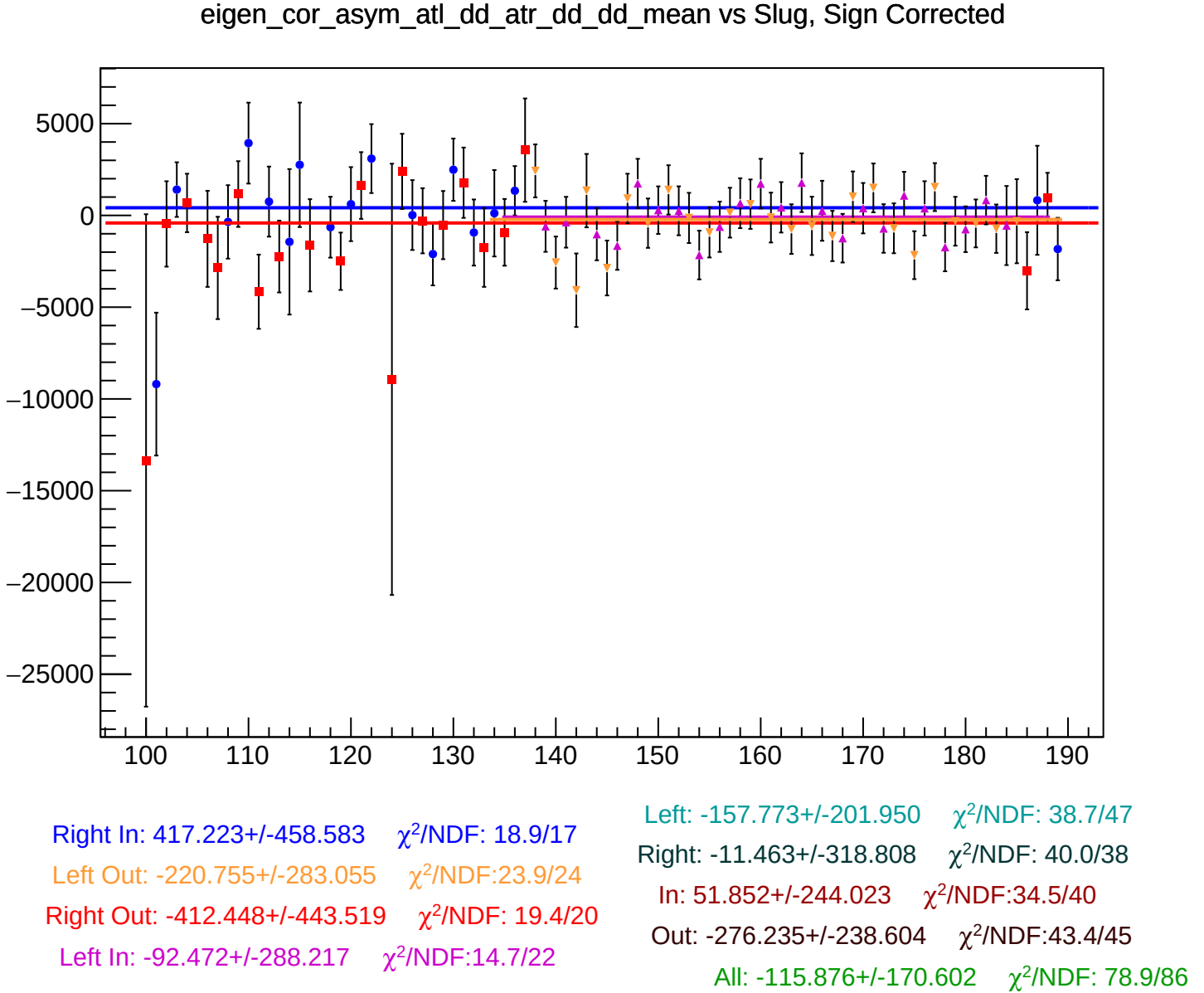
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

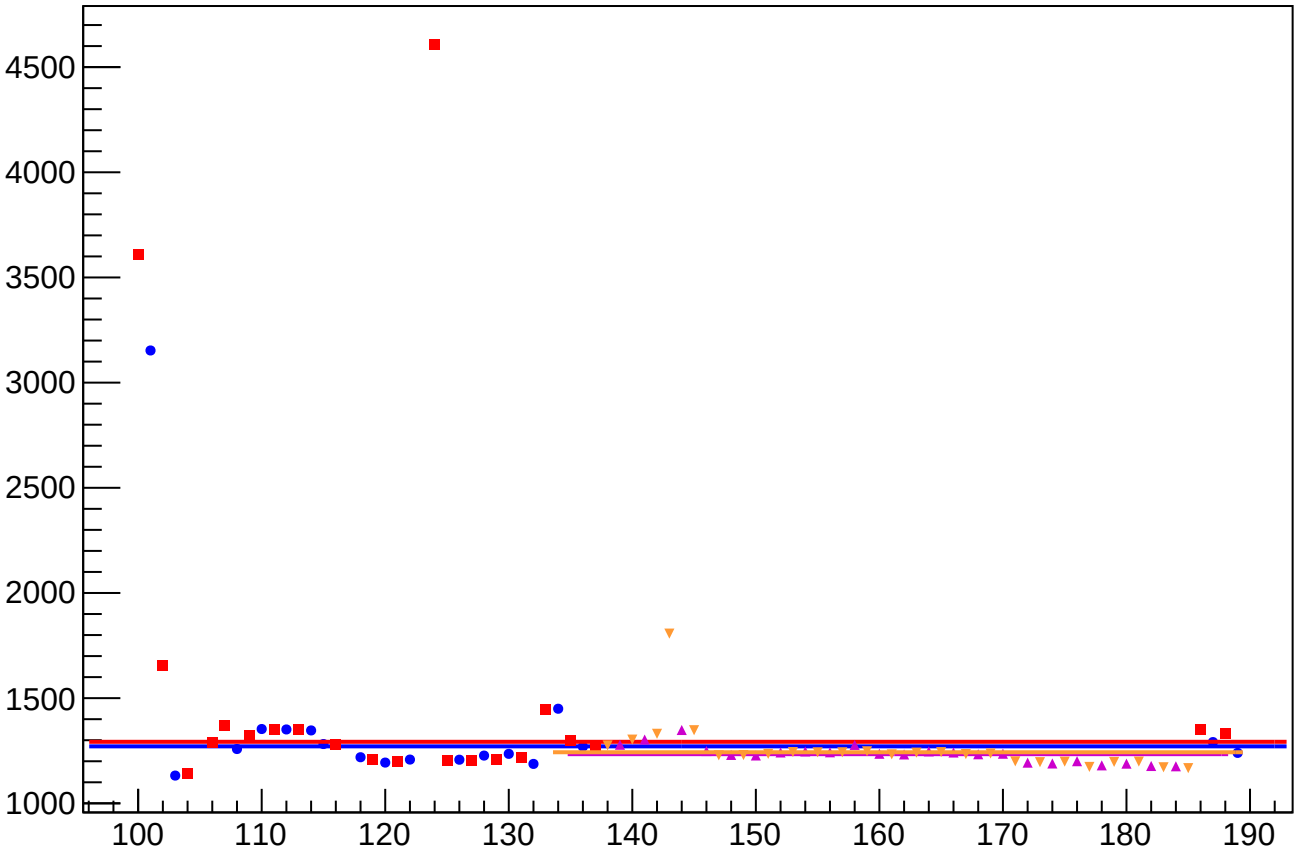
Right: 1144.850+/-0.211 χ^2/NDF: 3433497.3/38

In: 633.364+/-0.092 χ^2/NDF:5073389.2/40

Out: 641.868+/-0.091 χ^2/NDF:6525923.8/45

All: 637.650+/-0.065 χ^2/NDF: 11603601.0/86


eigen_cor_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 417.223+/-458.583 χ²/NDF: 18.9/17
Left Out: -220.755+/-283.055 χ²/NDF:23.9/24
Right Out: -412.448+/-443.519 χ²/NDF: 19.4/20
Left In: -92.472+/-288.217 χ²/NDF:14.7/22
Left: -157.773+/-201.950 χ²/NDF: 38.7/47
Right: -11.463+/-318.808 χ²/NDF: 40.0/38
In: 51.852+/-244.023 χ²/NDF:34.5/40
Out: -276.235+/-238.604 χ²/NDF:43.4/45
All: -115.876+/-170.602 χ²/NDF: 78.9/86



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

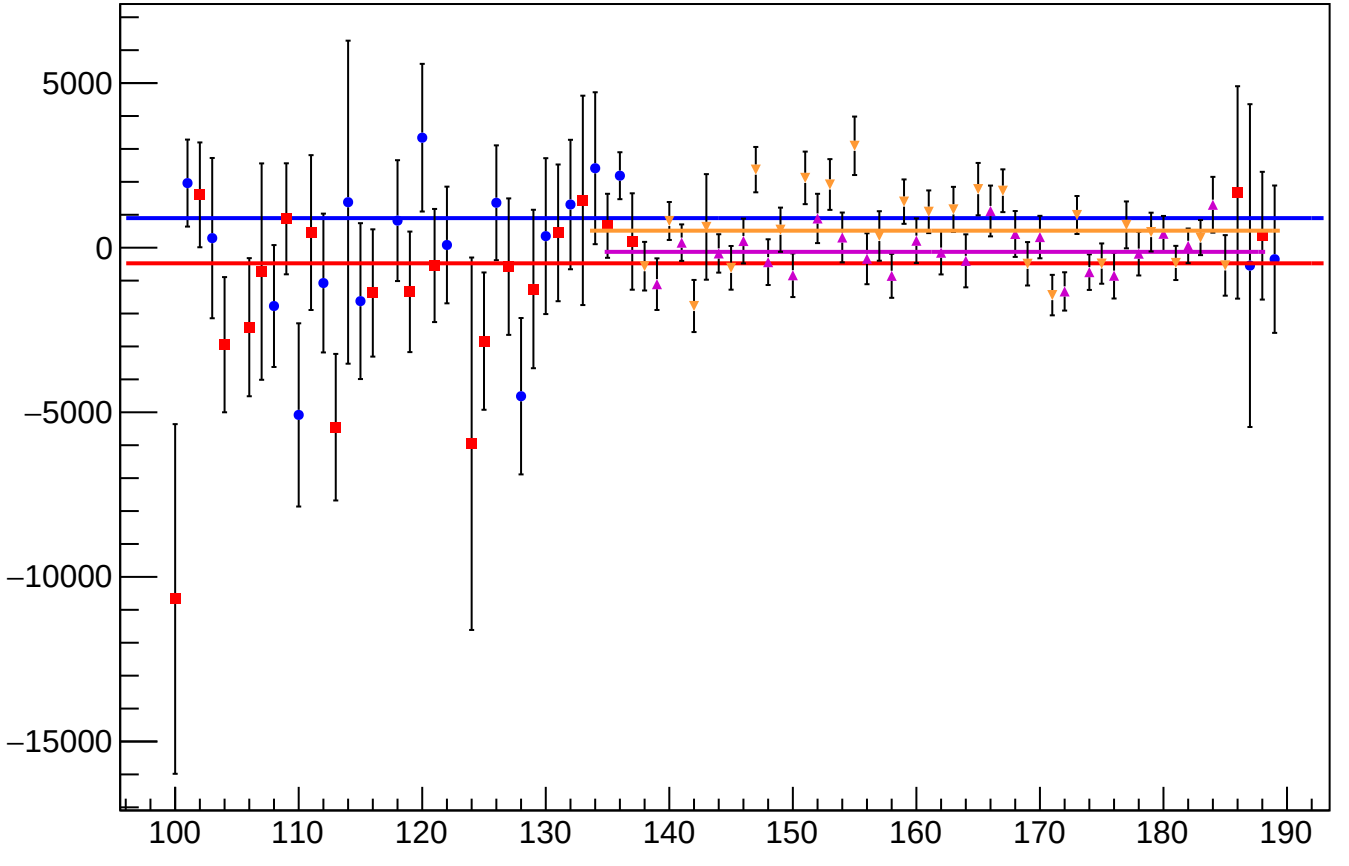
Right: 1282.032+/-0.225 χ^2/NDF: 854827.6/38

In: 1244.255+/-0.173 χ^2/NDF:568753.4/40

Out: 1257.201+/-0.169 χ^2/NDF:553556.2/45

All: 1250.874+/-0.121 χ^2/NDF: 1125187.6/86

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

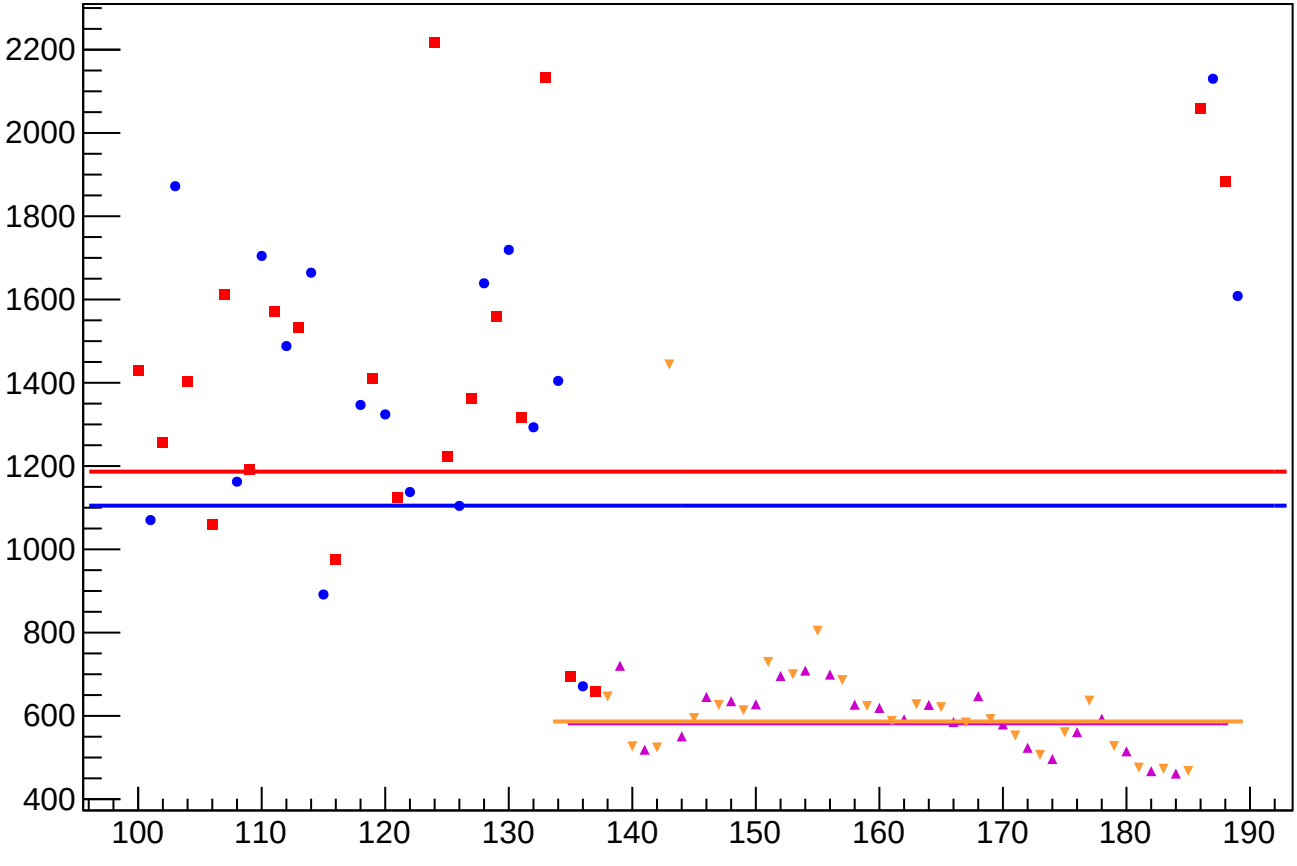
Right: 227.134+/-297.883 χ^2/NDF: 44.6/38

In: -26.221+/-130.373 χ^2/NDF:47.3/40

Out: 425.451+/-129.340 χ^2/NDF:91.0/45

All: 201.411+/-91.820 χ^2/NDF: 144.3/86

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

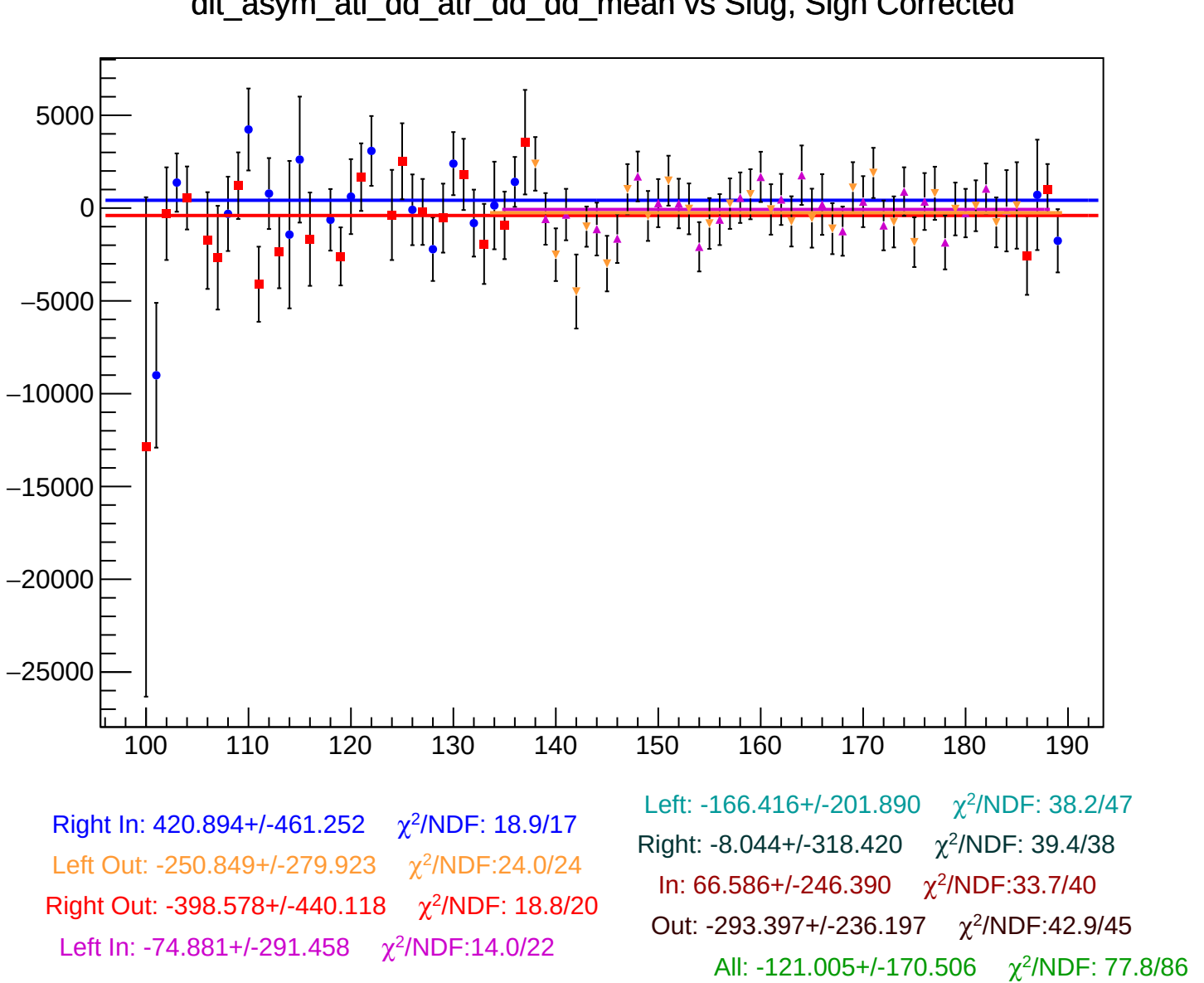
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1144.850+/-0.211 χ^2/NDF: 3433497.3/38

In: 633.364+/-0.092 χ^2/NDF:5073389.2/40

Out: 641.868+/-0.091 χ^2/NDF:6525923.8/45

All: 637.650+/-0.065 χ^2/NDF: 11603601.0/86


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
100
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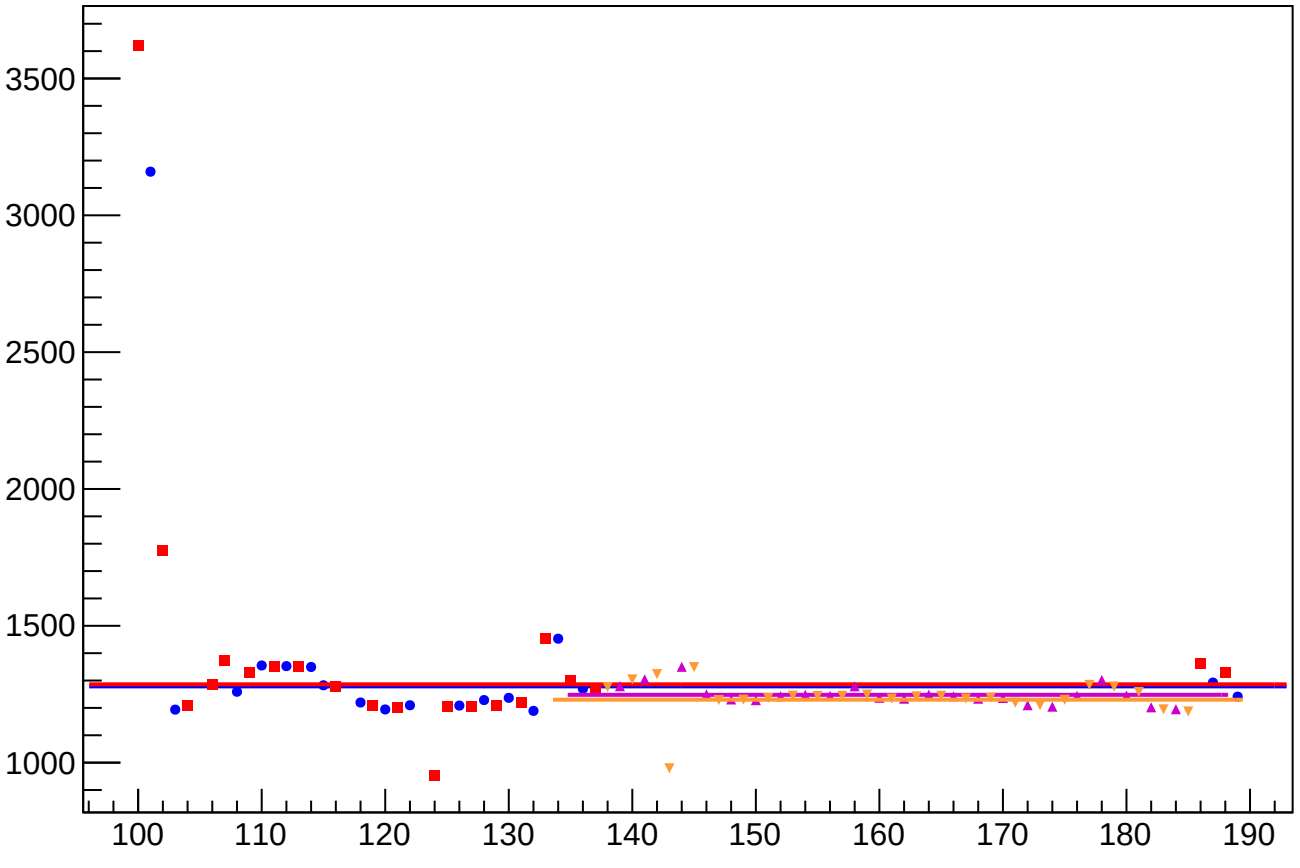
120
130
140
150
160
170
180
190
Right In: 420.894+/-461.252 χ²/NDF: 18.9/17
Left Out: -250.849+/-279.923 χ²/NDF:24.0/24
Right Out: -398.578+/-440.118 χ²/NDF: 18.8/20
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.416+/-201.890 χ²/NDF: 38.2/47
Right: -8.044+/-318.420 χ²/NDF: 39.4/38
In: 66.586+/-246.390 χ²/NDF:33.7/40
Out: -293.397+/-236.197 χ²/NDF:42.9/45
All: -121.005+/-170.506 χ²/NDF: 77.8/86



Right In: 1278.697+/-0.326 χ^2/NDF: 508149.9/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.6/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

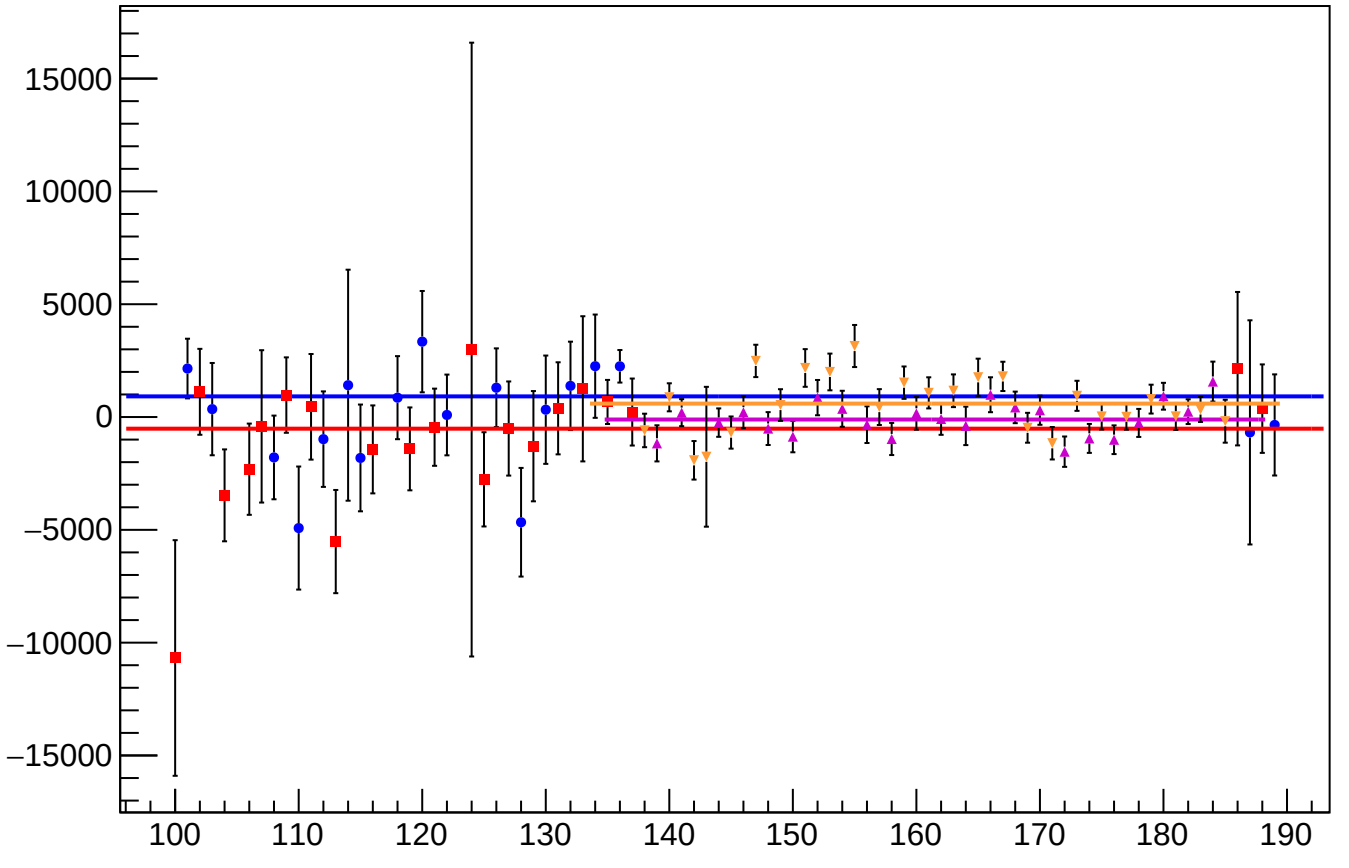
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1282.609+/-0.225 χ^2/NDF: 734400.3/38

In: 1256.606+/-0.174 χ^2/NDF:541910.2/40

Out: 1246.168+/-0.167 χ^2/NDF:390789.7/45

All: 1251.167+/-0.121 χ^2/NDF: 934570.2/86



Right In: 915.040+/-416.297 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -516.041+/-432.945 χ^2/NDF: 18.0/20

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

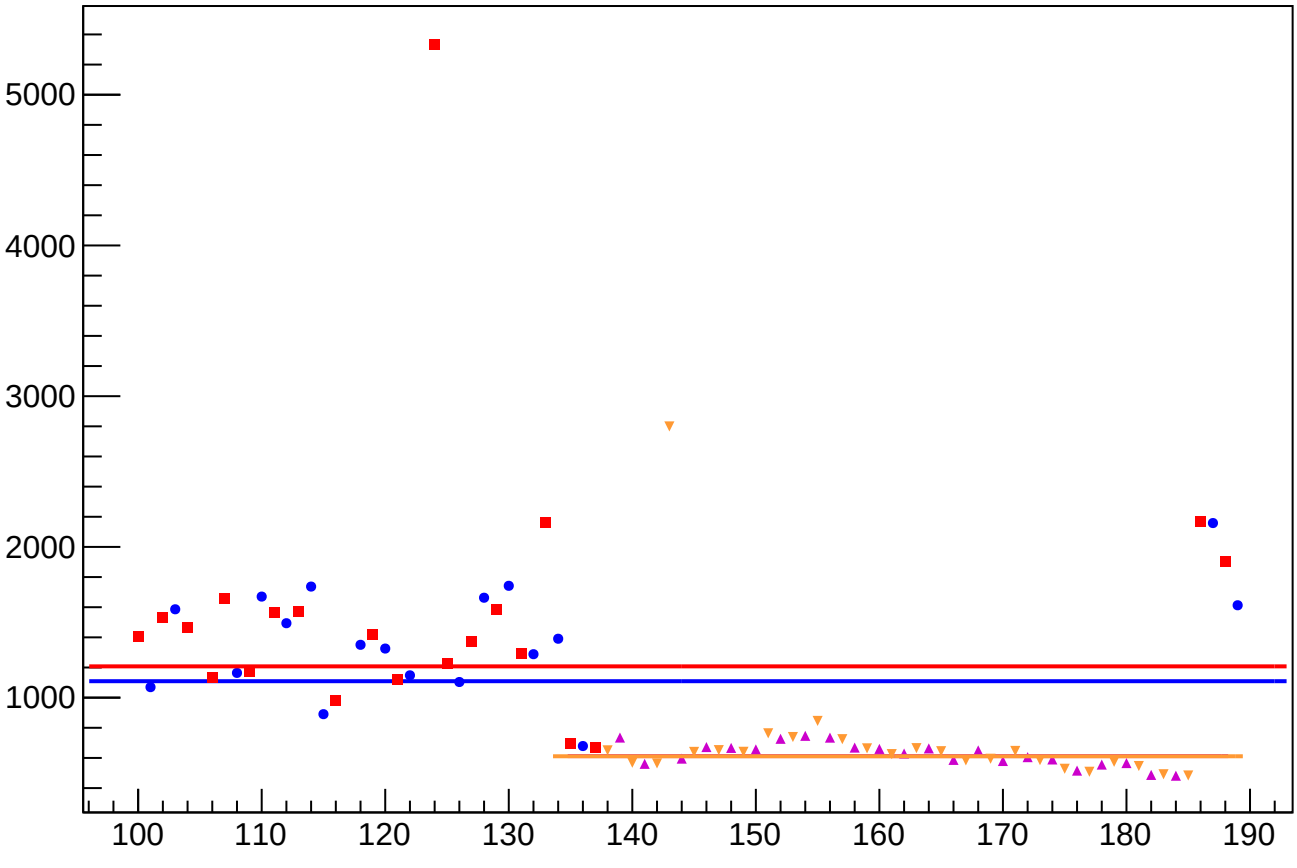
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 227.543+/-300.080 χ^2/NDF: 44.6/38

In: -0.368+/-136.284 χ^2/NDF:52.0/40

Out: 486.909+/-135.040 χ^2/NDF:81.3/45

All: 245.506+/-95.925 χ^2/NDF: 139.7/86



Right In: 1109.155+/-0.294 χ^2/NDF: 1557785.6/17

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1207.580+/-0.306 χ^2/NDF: 1926728.6/20

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

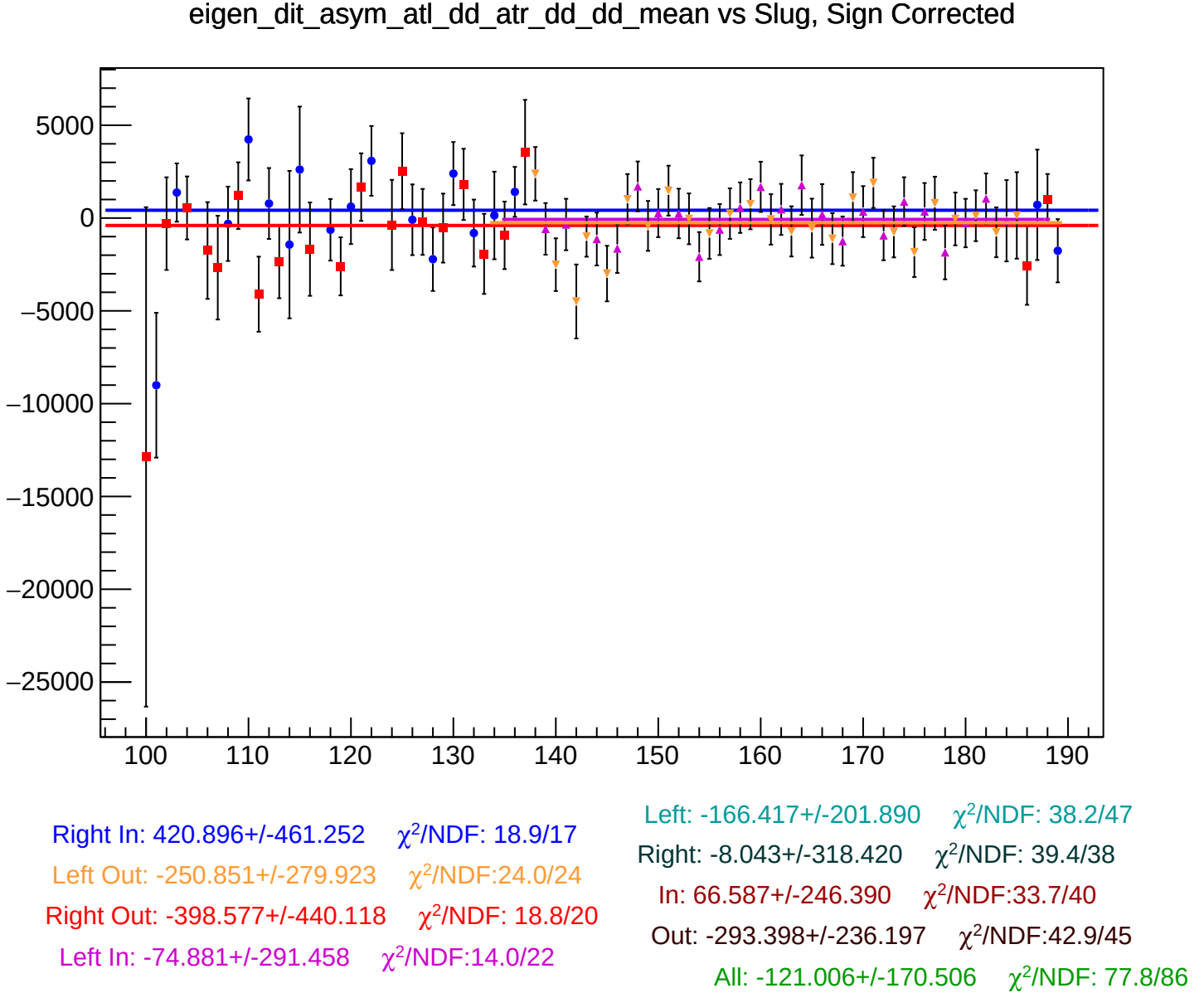
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1156.438+/-0.212 χ^2/NDF: 3538222.4/38

In: 665.638+/-0.096 χ^2/NDF:4608969.5/40

Out: 669.118+/-0.095 χ^2/NDF:6973128.3/45

All: 667.394+/-0.068 χ^2/NDF: 11582755.9/86


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
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−15000
−20000
−25000
100
110
120
130
140
150
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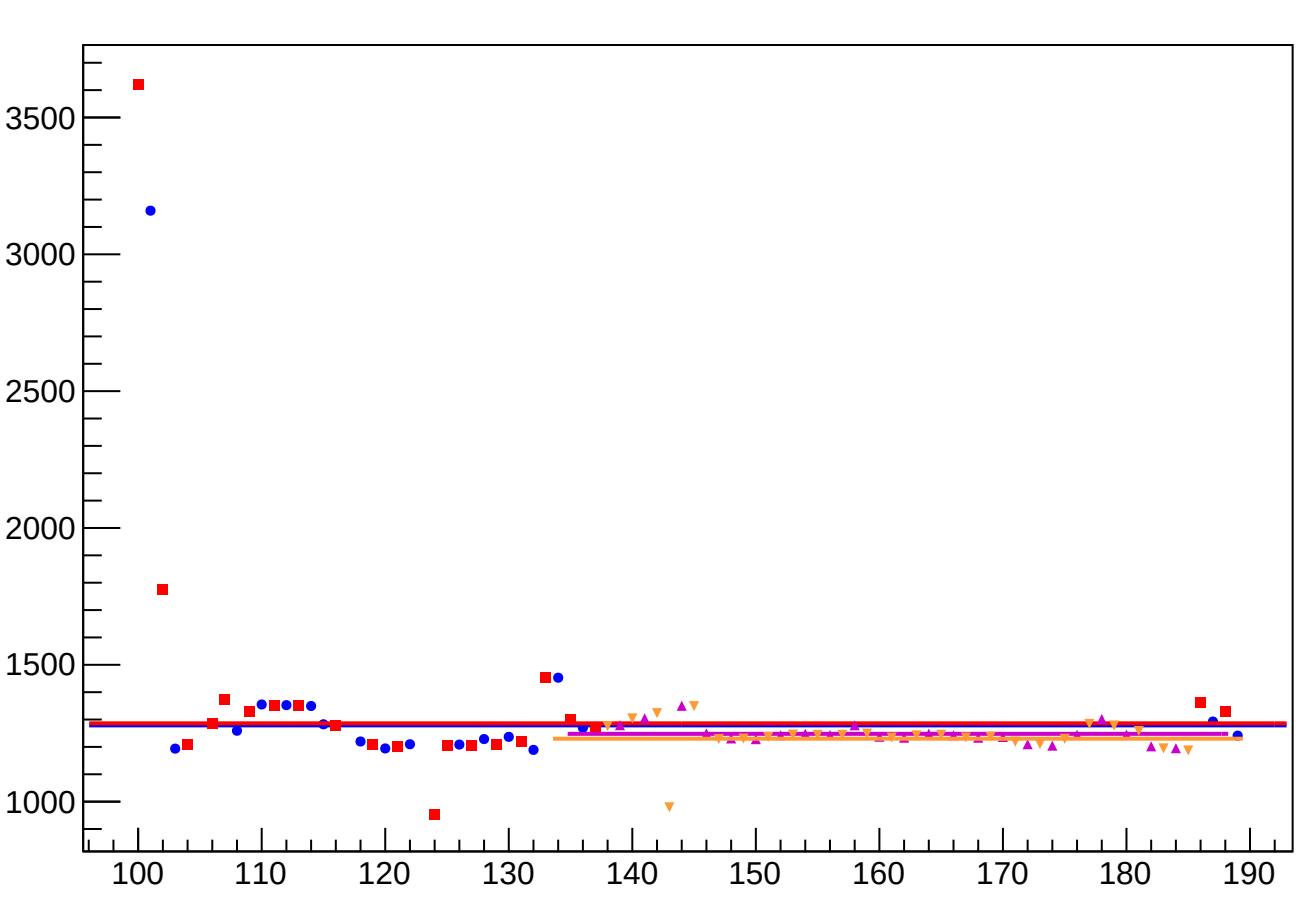
170
180
190
Right In: 420.896+/-461.252 χ²/NDF: 18.9/17
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: -398.577+/-440.118 χ²/NDF: 18.8/20
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.417+/-201.890 χ²/NDF: 38.2/47
Right: -8.043+/-318.420 χ²/NDF: 39.4/38
In: 66.587+/-246.390 χ²/NDF:33.7/40
Out: -293.398+/-236.197 χ²/NDF:42.9/45
All: -121.006+/-170.506 χ²/NDF: 77.8/86



Right In: 1278.697+/-0.326 χ^2/NDF: 508150.0/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.5/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

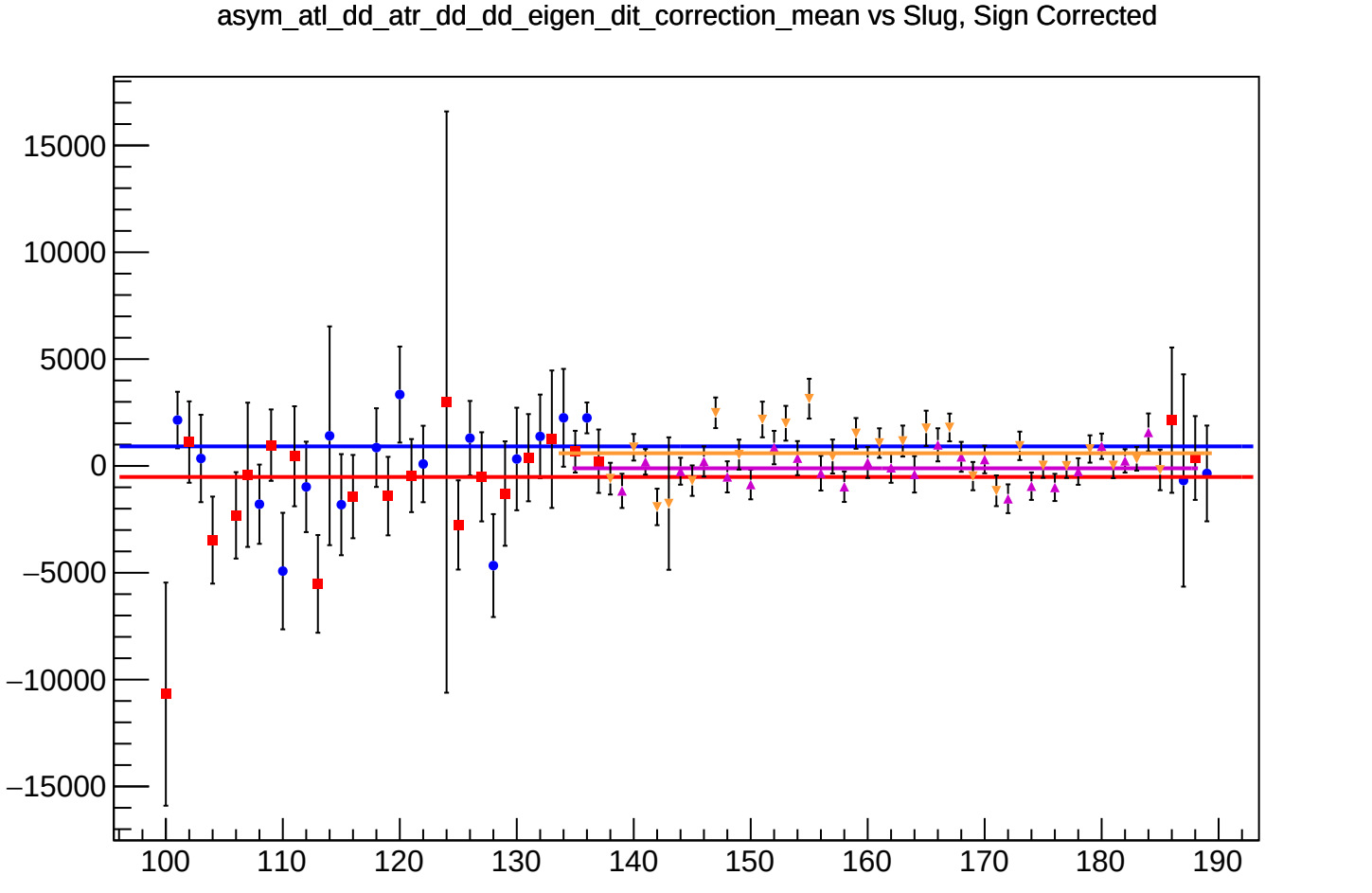
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1282.609+/-0.225 χ^2/NDF: 734400.4/38

In: 1256.606+/-0.174 χ^2/NDF:541910.3/40

Out: 1246.168+/-0.167 χ^2/NDF:390788.7/45

All: 1251.167+/-0.121 χ^2/NDF: 934569.3/86



Right In: 915.035+/-416.299 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -516.050+/-432.947 χ^2/NDF: 18.0/20

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

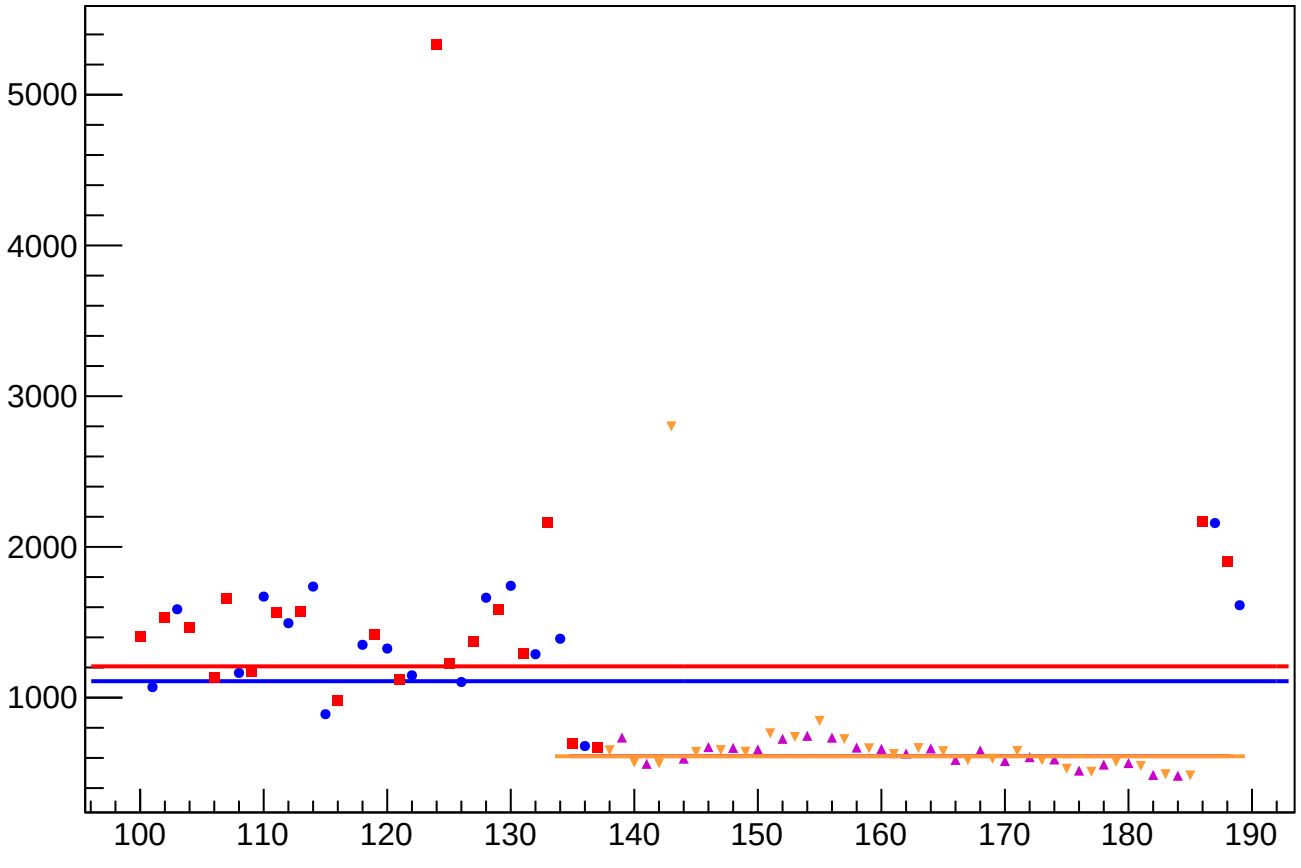
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 227.537+/-300.081 χ^2/NDF: 44.6/38

In: -0.369+/-136.284 χ^2/NDF:52.0/40

Out: 486.909+/-135.040 χ^2/NDF:81.3/45

All: 245.505+/-95.925 χ^2/NDF: 139.7/86



Right In: 1109.161+/-0.294 χ^2/NDF: 1557725.6/17

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1207.587+/-0.306 χ^2/NDF: 1926671.4/20

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

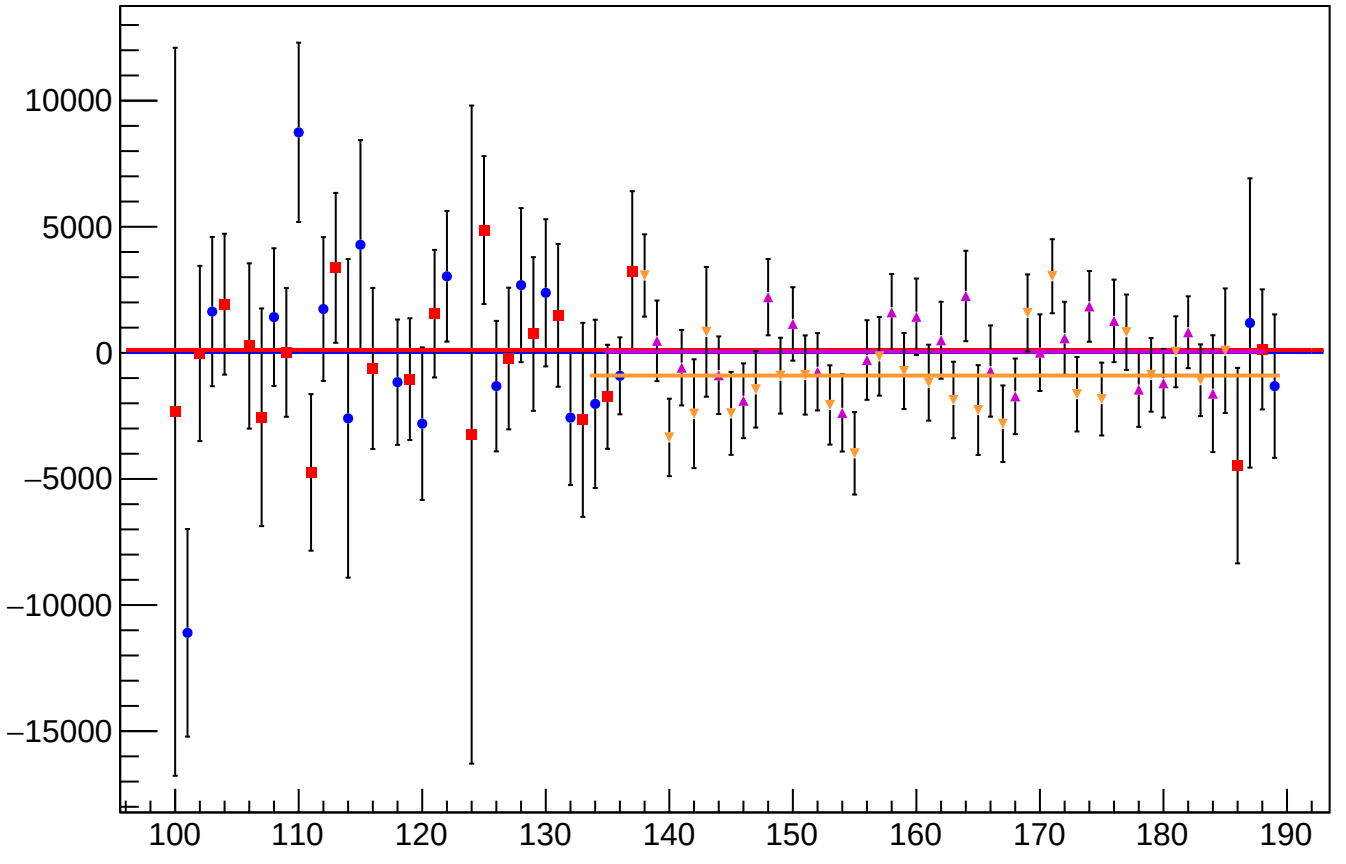
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1156.445+/-0.212 χ^2/NDF: 3538106.0/38

In: 665.637+/-0.096 χ^2/NDF:4608968.0/40

Out: 669.118+/-0.095 χ^2/NDF:6973129.8/45

All: 667.394+/-0.068 χ^2/NDF: 11582756.1/86



Right In: 35.709+/-674.071 χ^2/NDF: 21.6/17

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 115.197+/-661.481 χ^2/NDF: 11.8/20

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

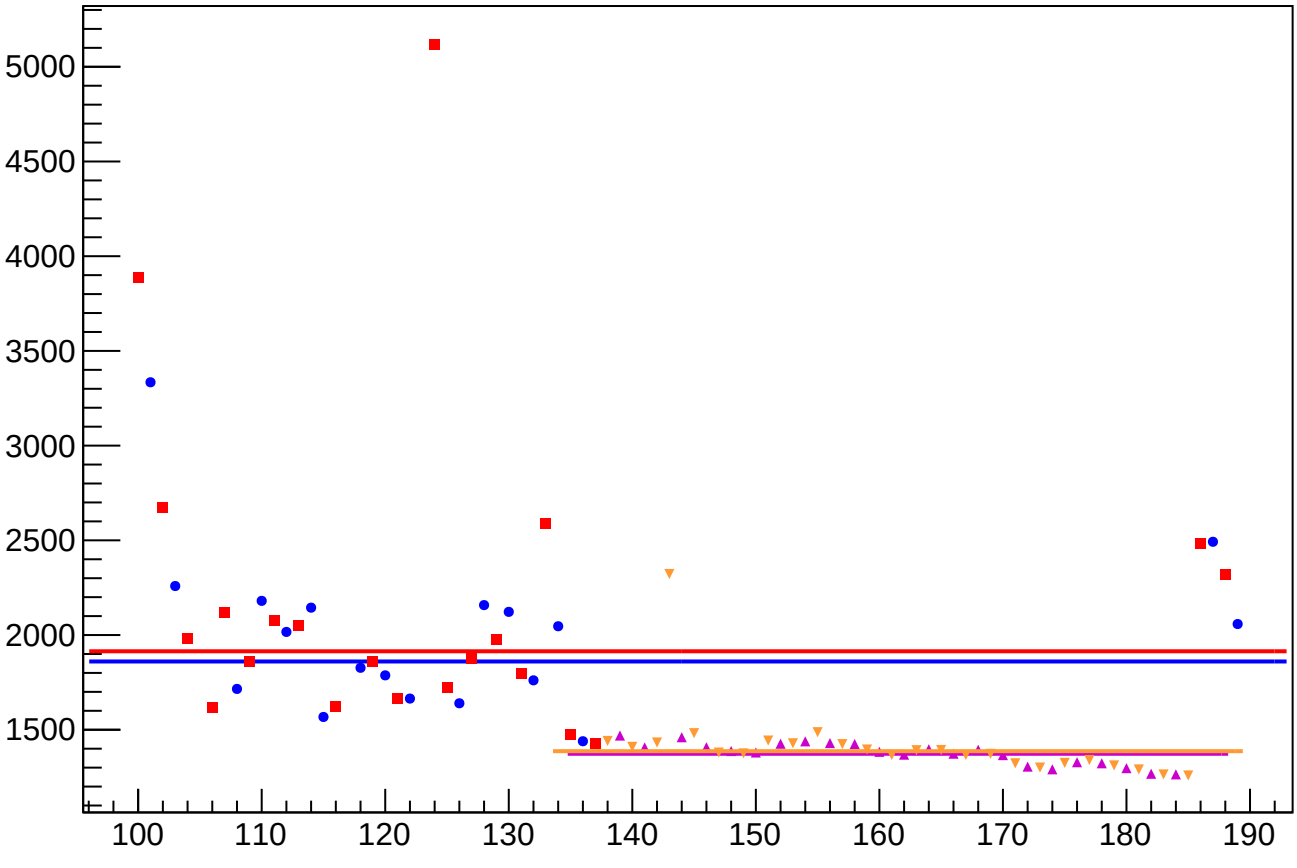
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 76.202+/-472.126 χ^2/NDF: 33.3/38

In: 45.874+/-289.764 χ^2/NDF:39.4/40

Out: -710.845+/-285.465 χ^2/NDF:43.5/45

All: -338.141+/-203.357 χ^2/NDF: 86.4/86



Right In: 1860.446+/-0.477 χ^2/NDF: 592536.1/17

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1914.283+/-0.468 χ^2/NDF: 634746.0/20

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

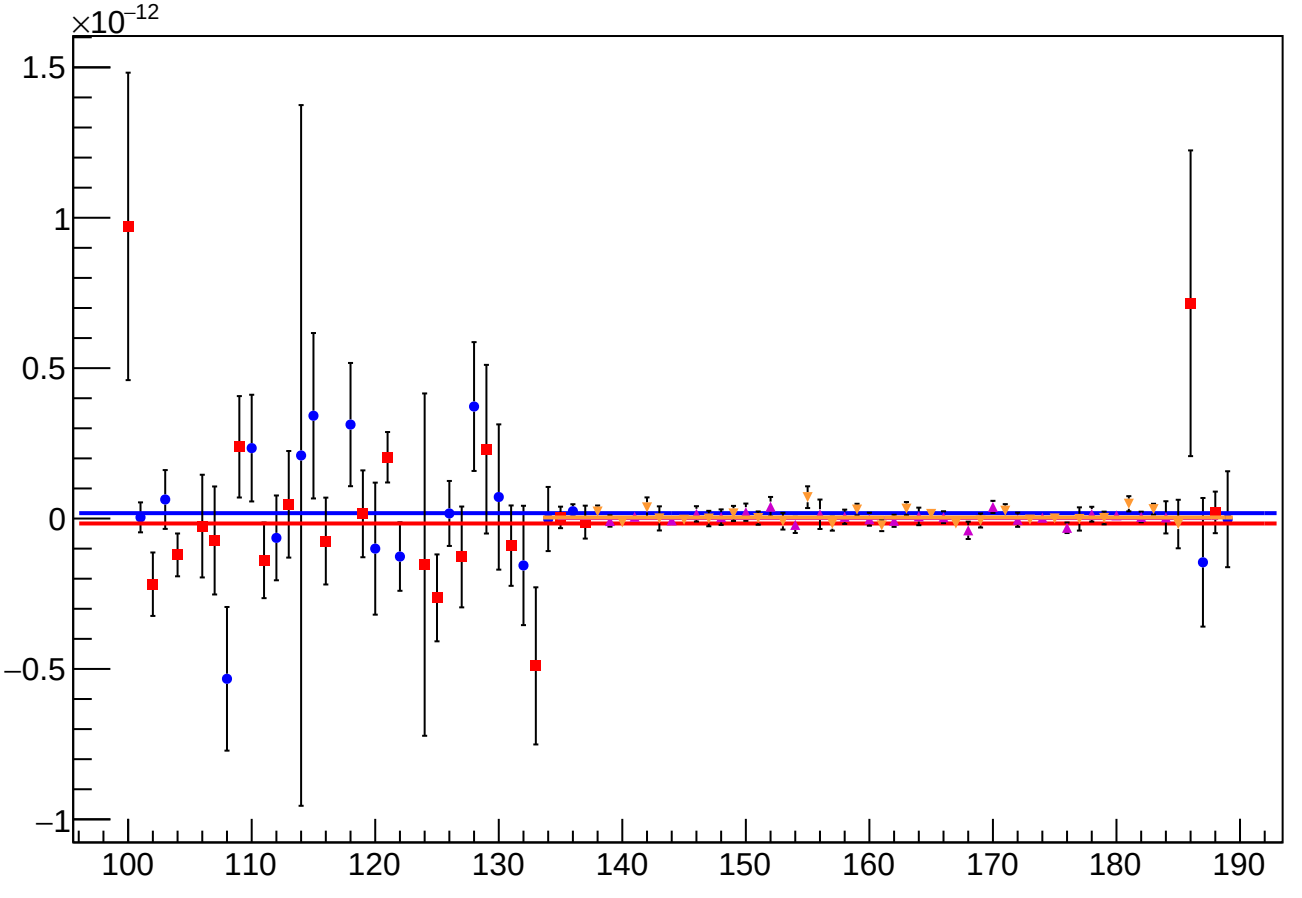
Right: 1887.872+/-0.334 χ^2/NDF: 1233781.6/38

In: 1463.251+/-0.205 χ^2/NDF:1508840.3/40

Out: 1485.076+/-0.202 χ^2/NDF:2009311.4/45

All: 1474.327+/-0.144 χ^2/NDF: 3523909.4/86

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/20

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

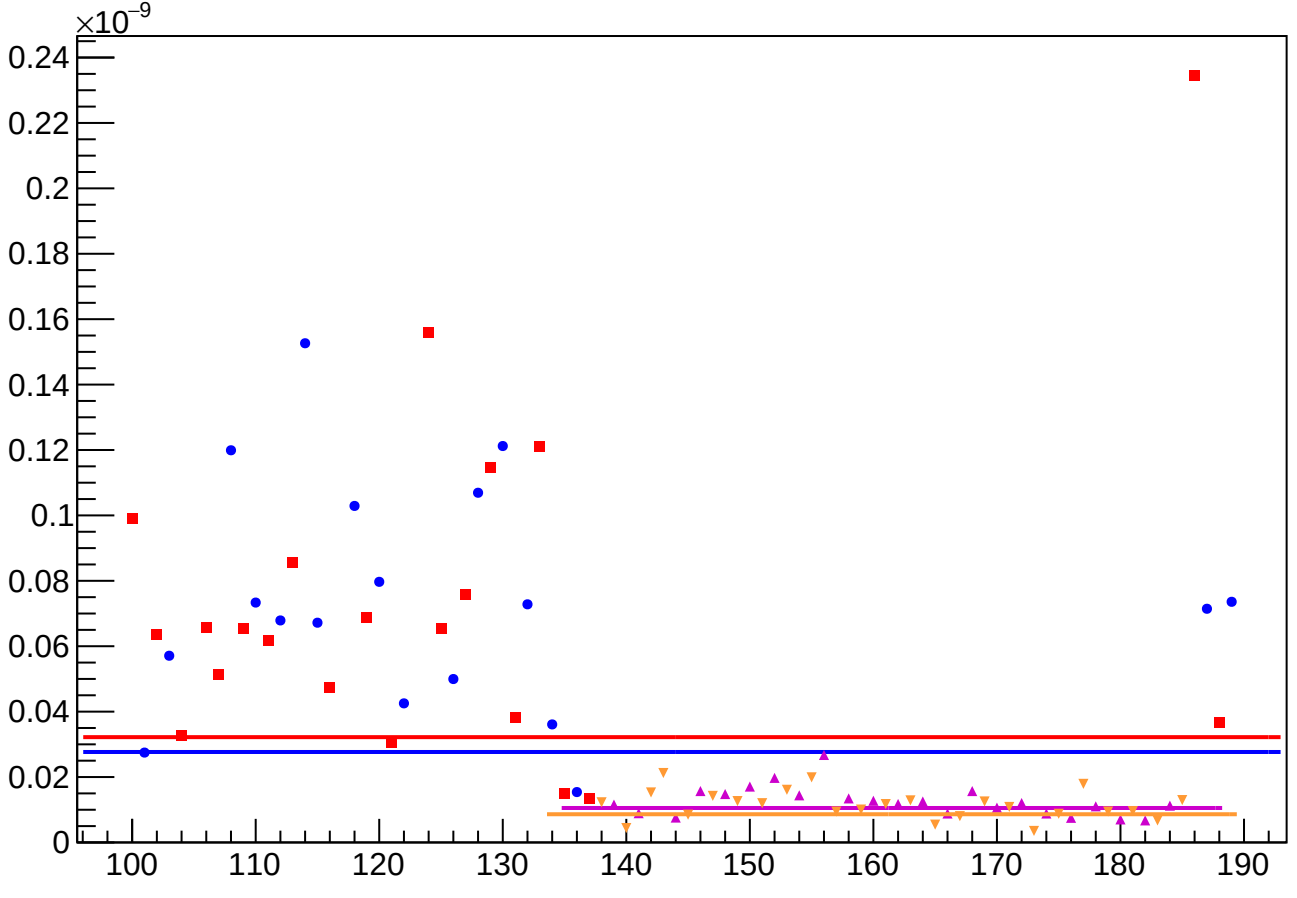
Right: 0.000+/-0.000 χ^2/NDF: 49.2/38

In: 0.000+/-0.000 χ^2/NDF:31.3/40

Out: 0.000+/-0.000 χ^2/NDF:56.3/45

All: 0.000+/-0.000 χ^2/NDF: 87.5/86

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2835767.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2603701.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

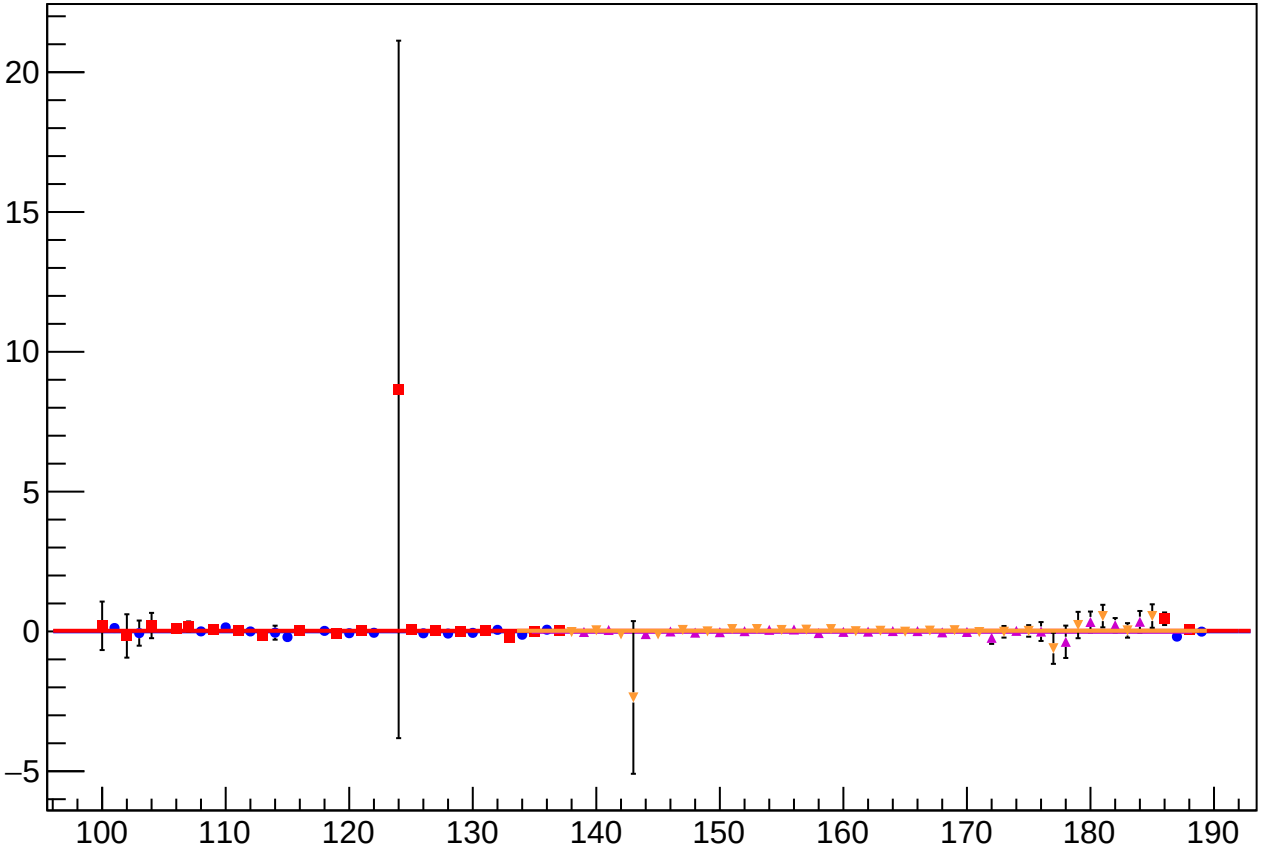
Right: 0.000+/-0.000 χ^2/NDF: 5491241.7/38

In: 0.000+/-0.000 χ^2/NDF:5672958.1/40

Out: 0.000+/-0.000 χ^2/NDF:7147755.1/45

All: 0.000+/-0.000 χ^2/NDF: 13088021.8/86

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

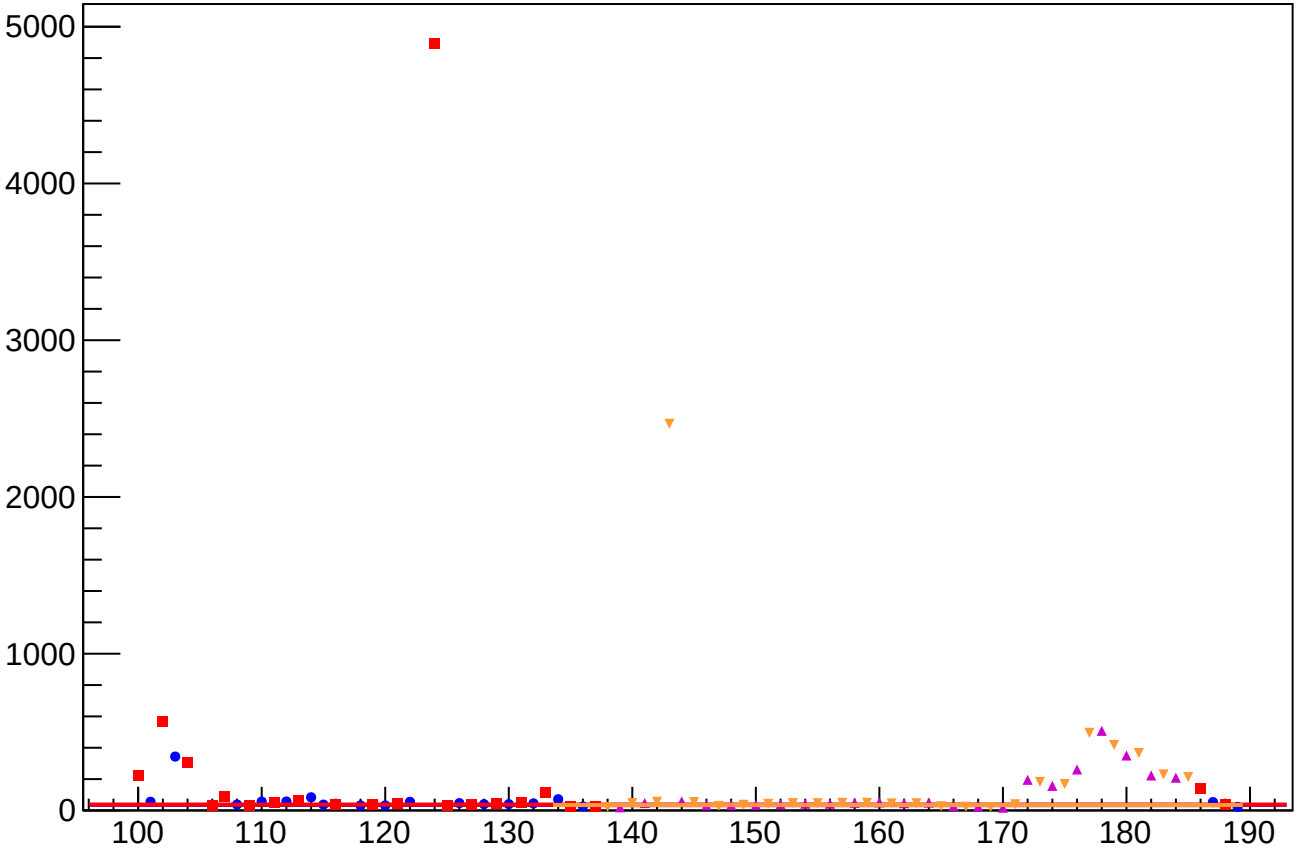
Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

Right: 0.013+/-0.011 χ^2/NDF: 40.7/38

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 84.0/86



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

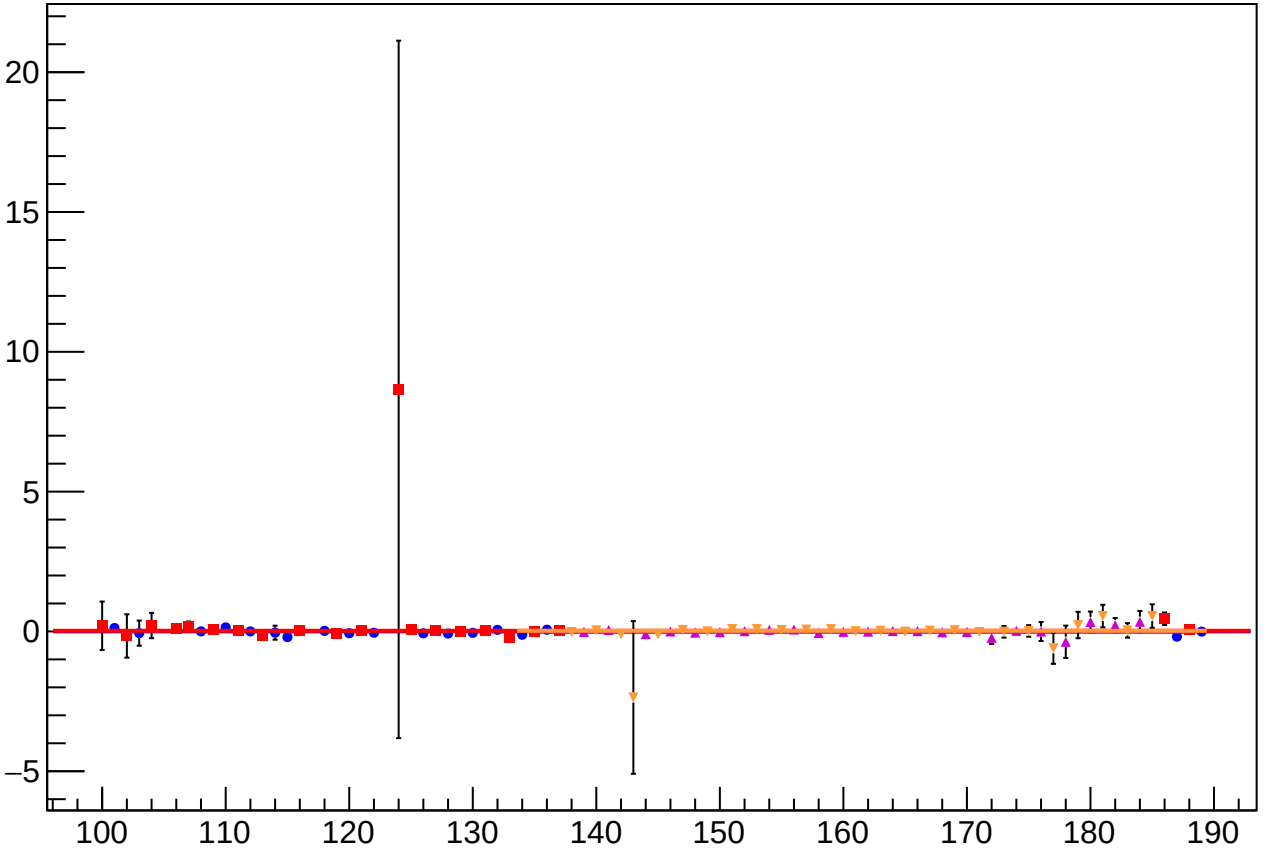
Right: 36.446+/-0.008 χ^2/NDF: 5895332.8/38

In: 34.261+/-0.006 χ^2/NDF:12350108.4/40

Out: 35.407+/-0.006 χ^2/NDF:15074046.1/45

All: 34.818+/-0.004 χ^2/NDF: 27442868.8/86

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

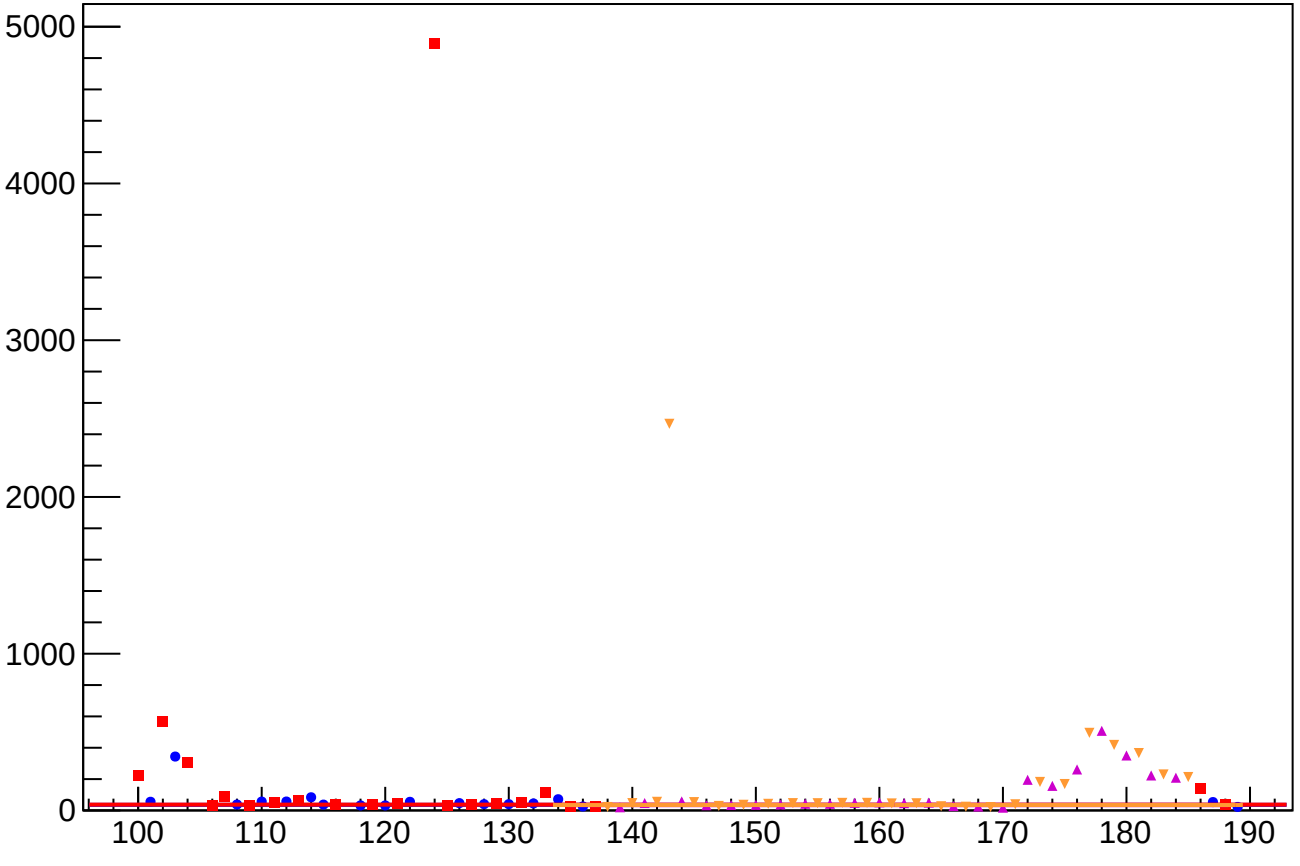
Right: 0.013+/-0.011 χ^2/NDF: 40.7/38

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 84.0/86

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

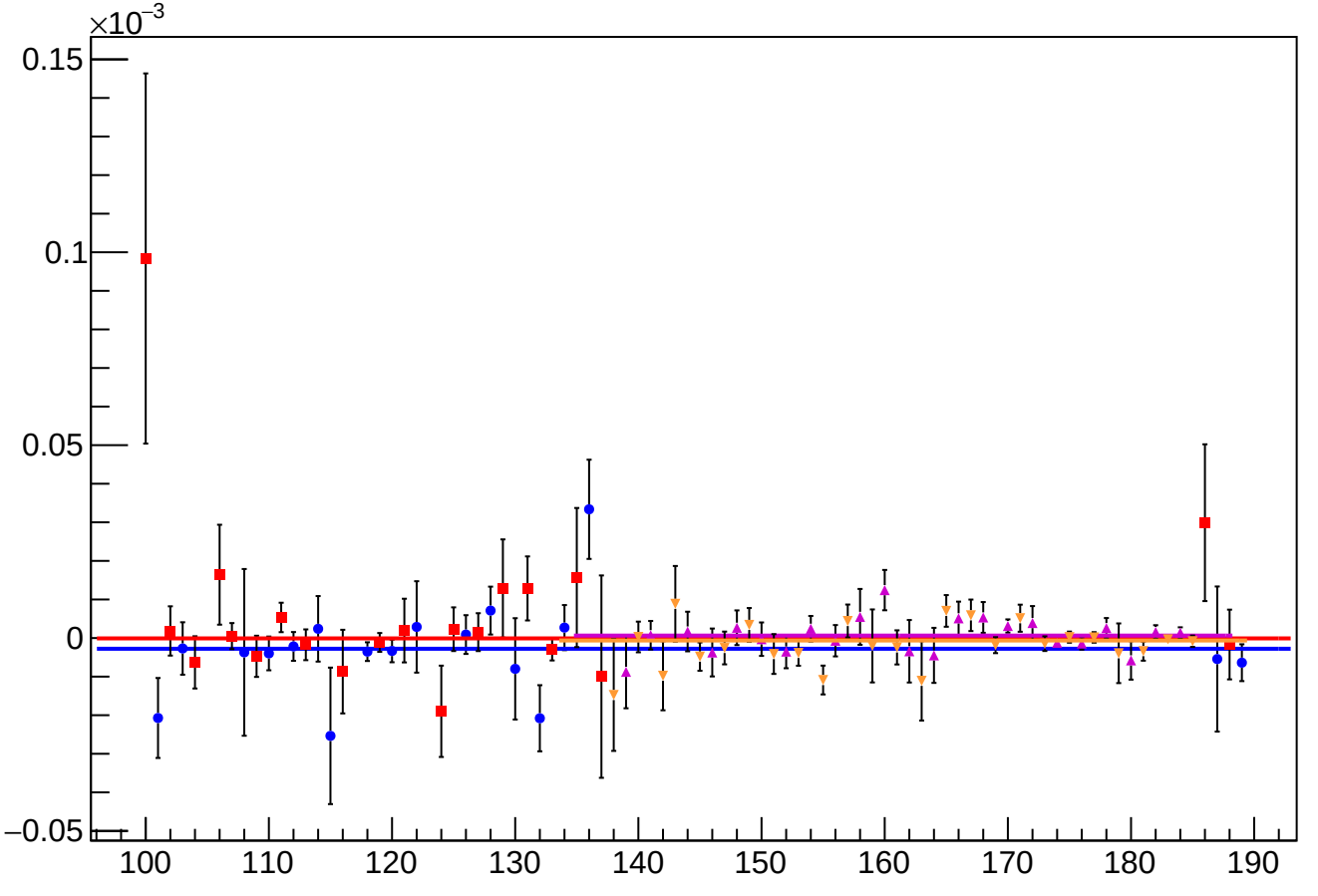
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.446+/-0.008 χ^2/NDF: 5895332.8/38

In: 34.261+/-0.006 χ^2/NDF:12350108.4/40

Out: 35.407+/-0.006 χ^2/NDF:15074046.1/45

All: 34.818+/-0.004 χ^2/NDF: 27442868.8/86



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/20

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

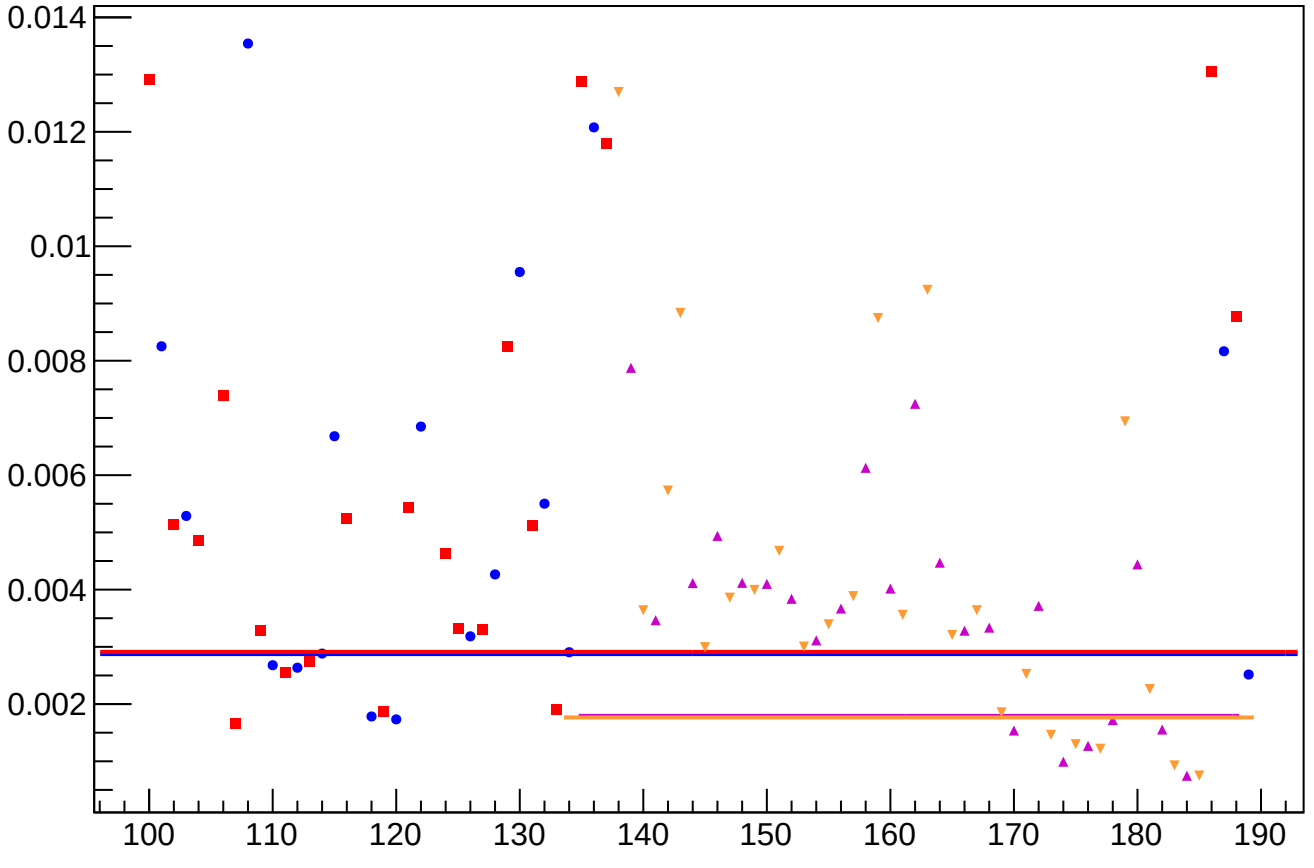
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 46.0/38

In: 0.000+/-0.000 χ^2/NDF:50.6/40

Out: -0.000+/-0.000 χ^2/NDF:49.7/45

All: -0.000+/-0.000 χ^2/NDF: 101.2/86



Right In: 0.003+/-0.000 χ^2/NDF: 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4675260.3/20

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

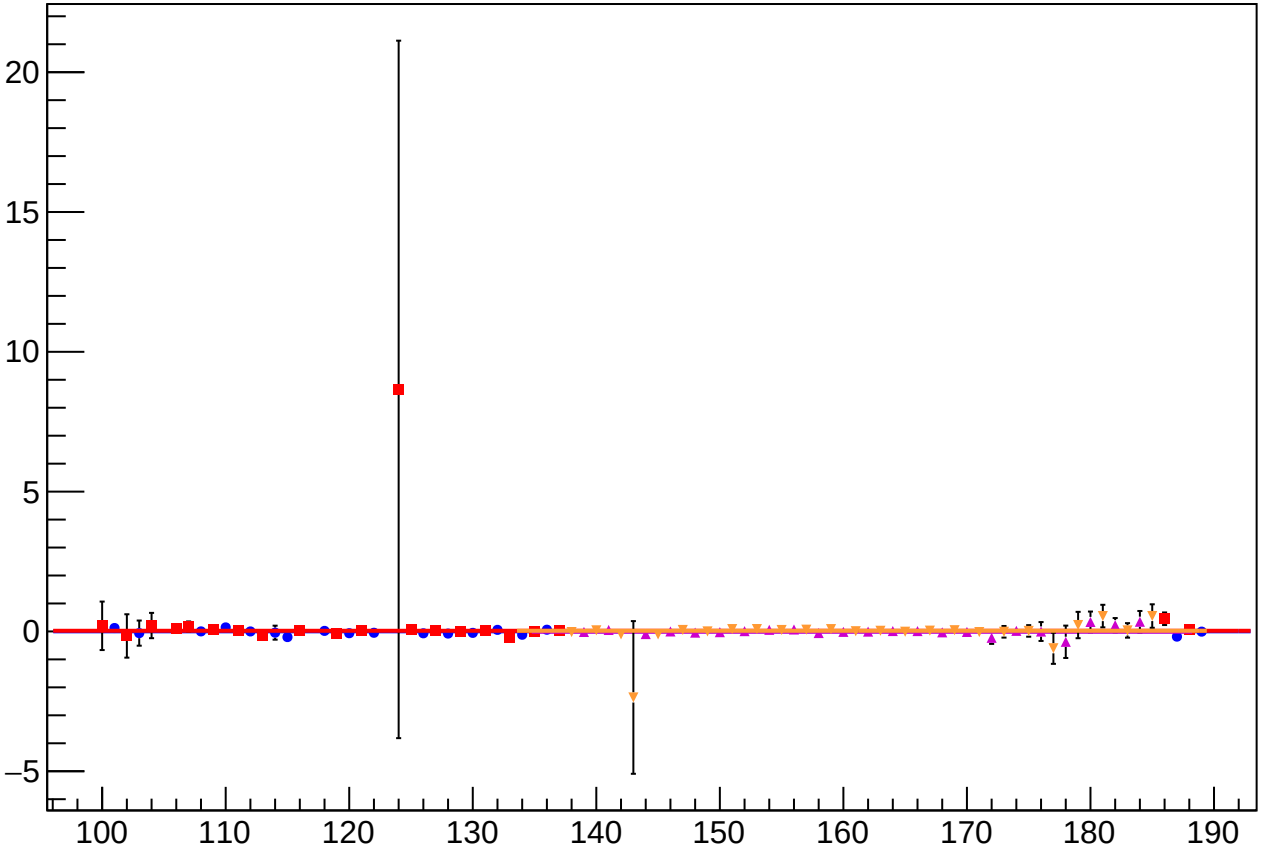
Right: 0.003+/-0.000 χ^2/NDF: 8997895.1/38

In: 0.002+/-0.000 χ^2/NDF:16333267.1/40

Out: 0.002+/-0.000 χ^2/NDF:19229812.4/45

All: 0.002+/-0.000 χ^2/NDF: 35563622.8/86

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

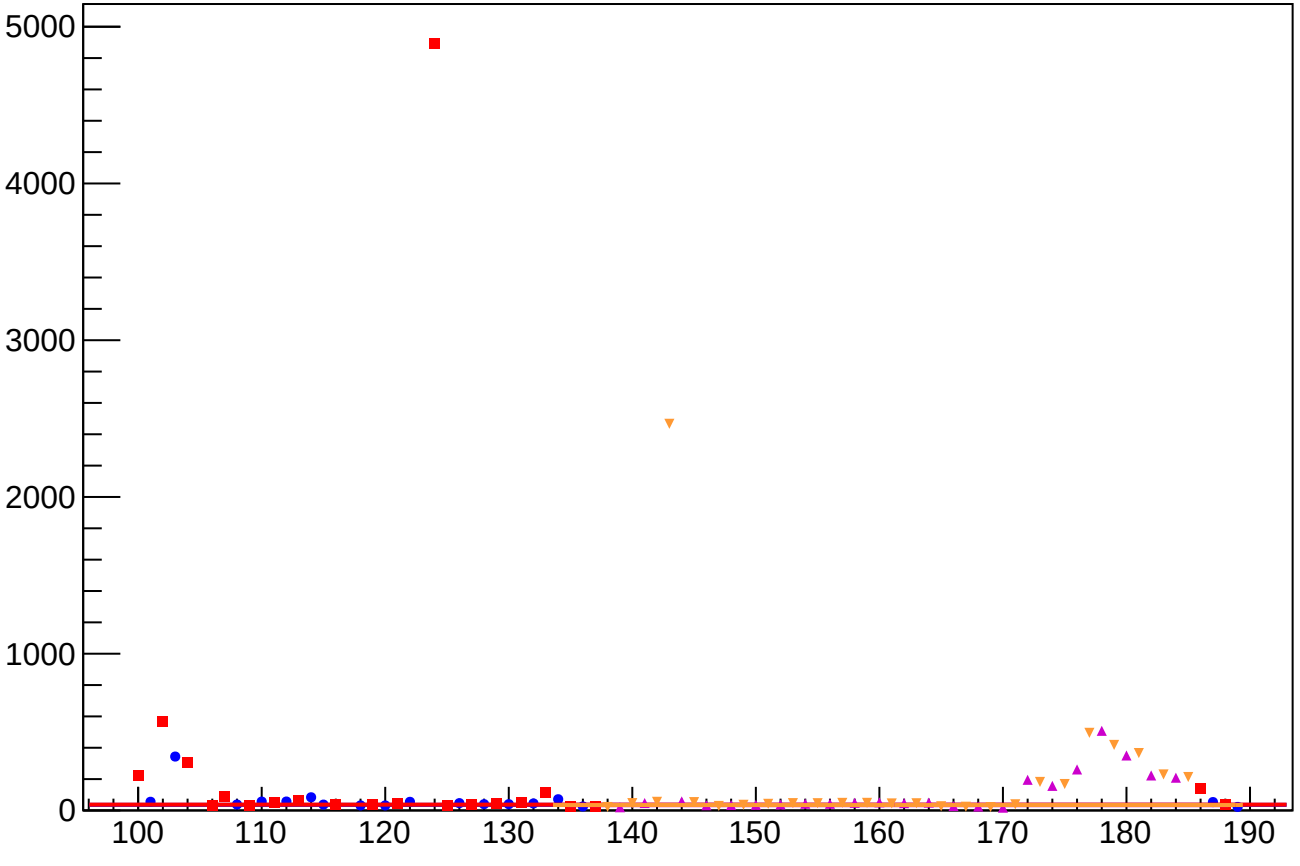
Right: 0.013+/-0.011 χ^2/NDF: 40.7/38

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 84.0/86

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

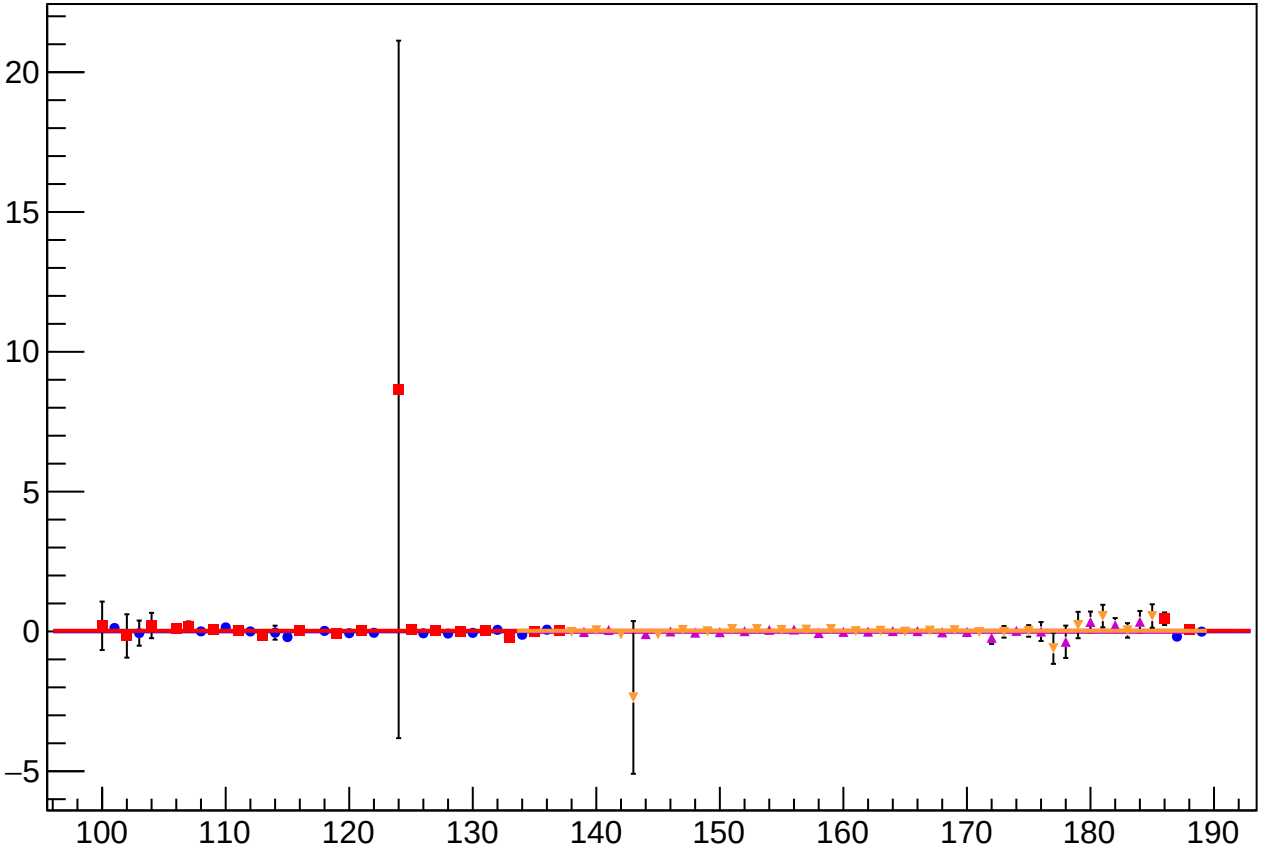
Right: 36.449+/-0.008 χ^2/NDF: 5894291.1/38

In: 34.263+/-0.006 χ^2/NDF:12348172.4/40

Out: 35.407+/-0.006 χ^2/NDF:15073940.5/45

All: 34.819+/-0.004 χ^2/NDF: 27440731.6/86

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

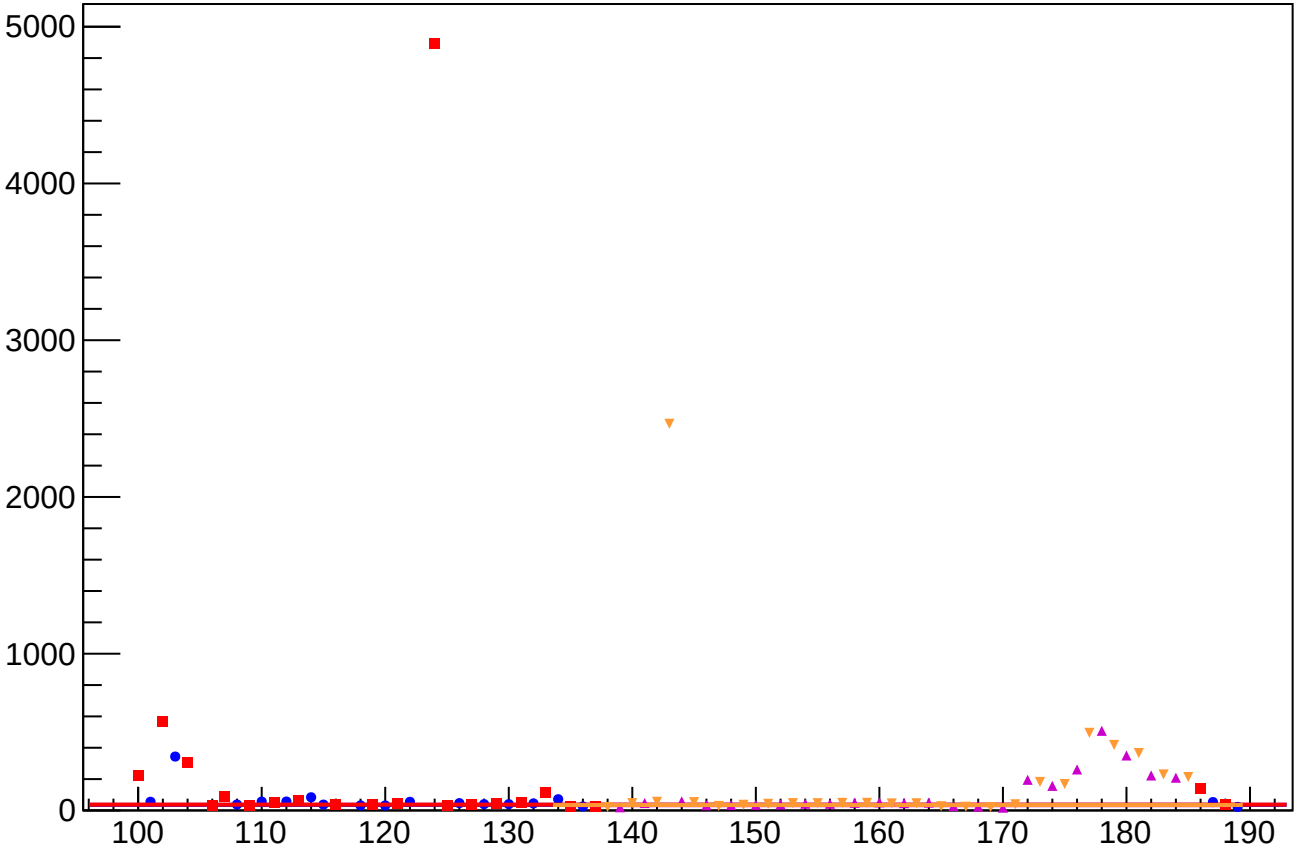
Right: 0.013+/-0.011 χ^2/NDF: 40.7/38

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 84.0/86

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

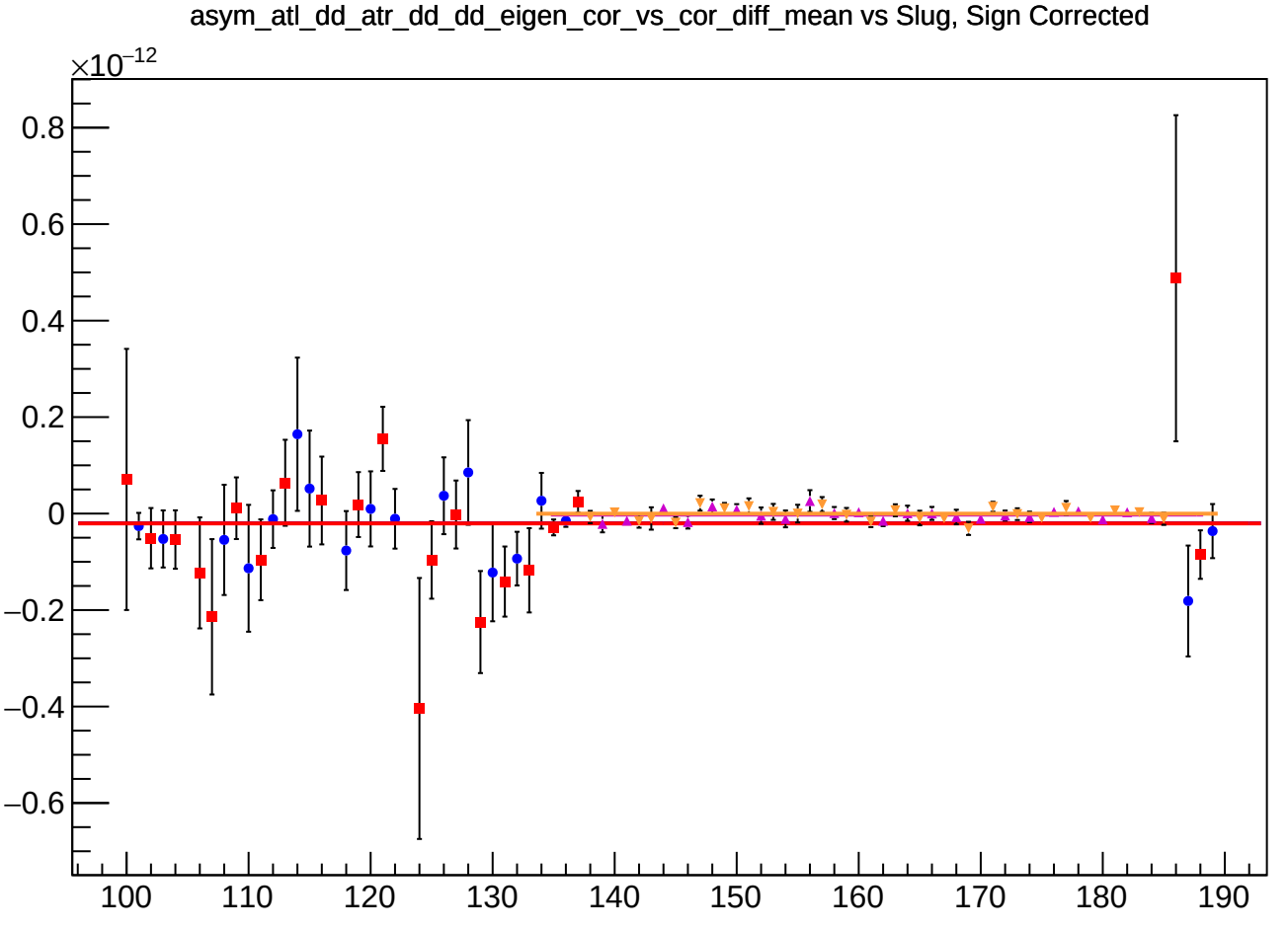
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

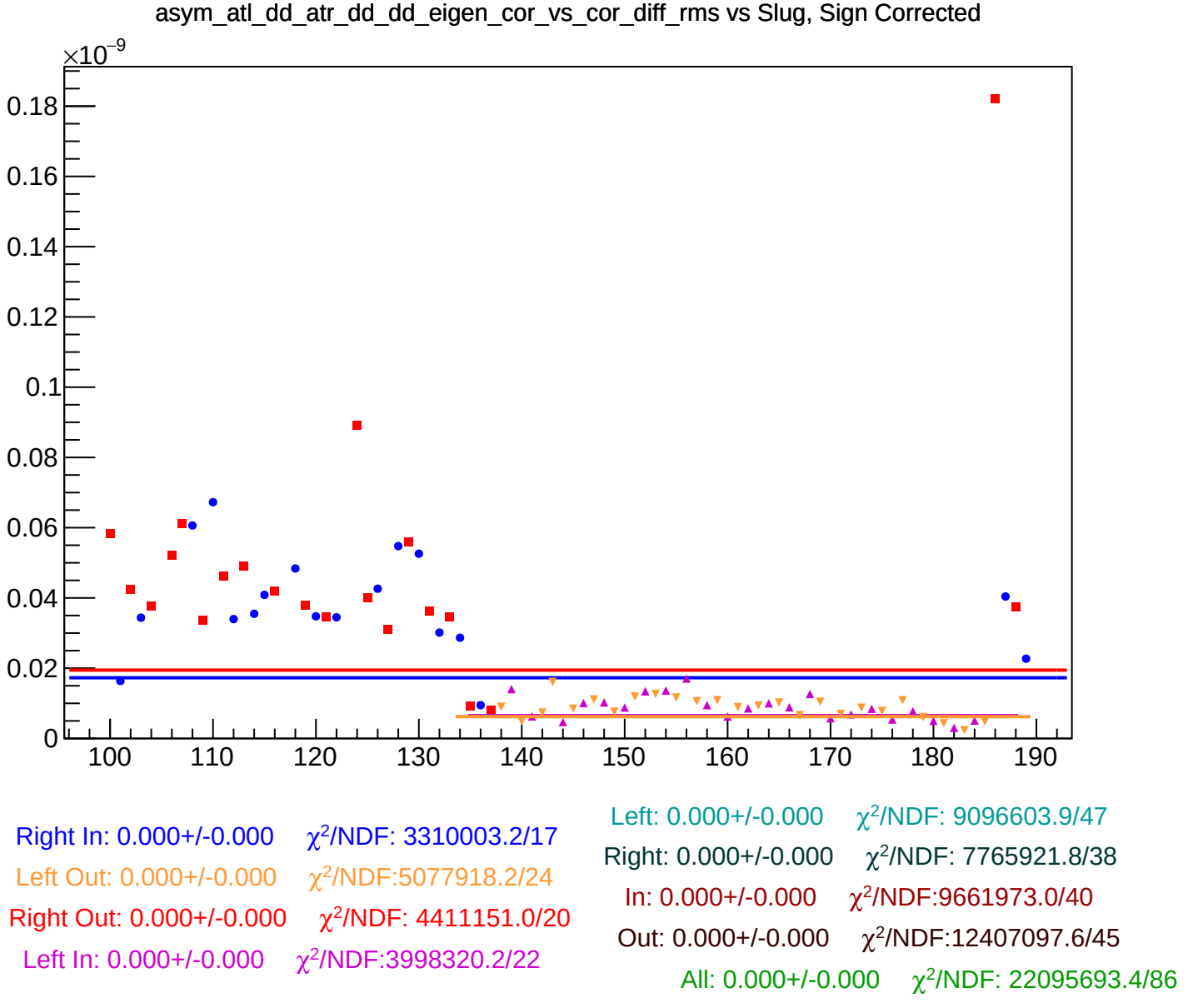
Right: 36.449+/-0.008 χ^2/NDF: 5894291.1/38

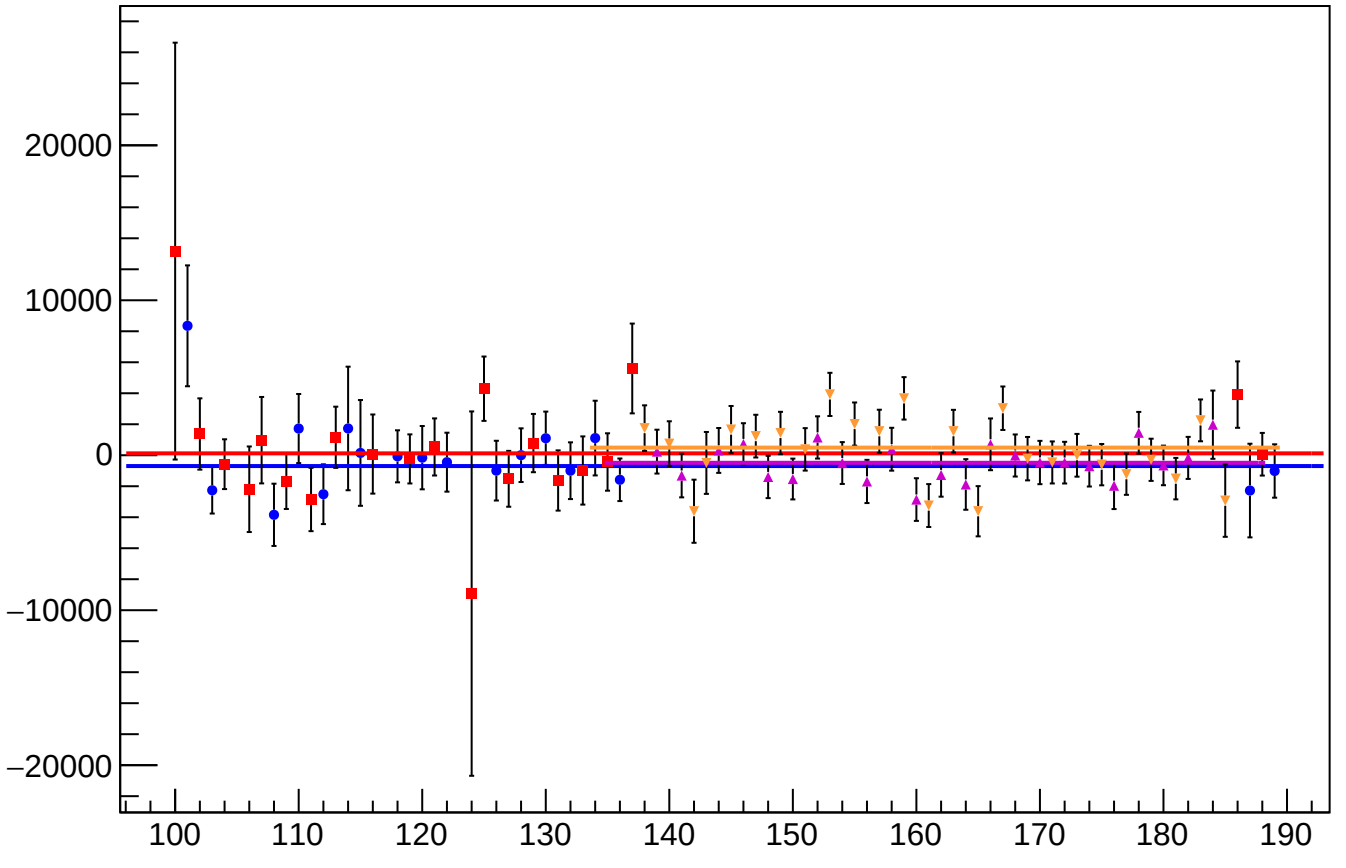
In: 34.263+/-0.006 χ^2/NDF:12348172.4/40

Out: 35.407+/-0.006 χ^2/NDF:15073940.5/45

All: 34.819+/-0.004 χ^2/NDF: 27440731.6/86


asym_atl_dd_atr_dd_dd_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
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.4/17
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.2/20
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: 41.6/38
In: -0.000+/-0.000 χ²/NDF:33.6/40
Out: -0.000+/-0.000 χ²/NDF:60.6/45
All: -0.000+/-0.000 χ²/NDF: 94.7/86


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3310003.2/17
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4411151.0/20
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: 7765921.8/38
In: 0.000+/-0.000 χ²/NDF:9661973.0/40
Out: 0.000+/-0.000 χ²/NDF:12407097.6/45
All: 0.000+/-0.000 χ²/NDF: 22095693.4/86



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 121.728+/-449.522 χ^2/NDF: 19.2/20

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

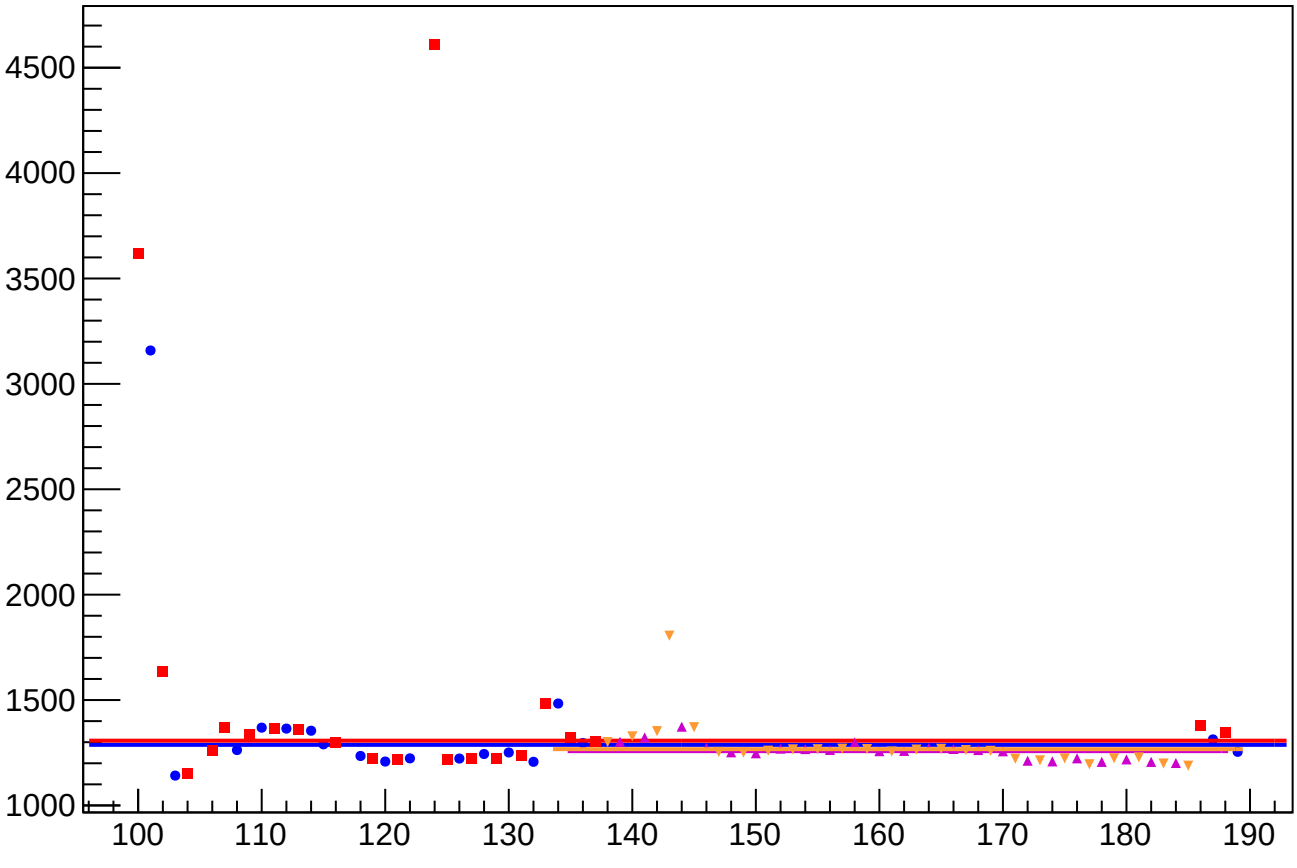
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -274.711+/-323.030 χ^2/NDF: 35.0/38

In: -547.163+/-248.284 χ^2/NDF:28.8/40

Out: 384.026+/-242.794 χ^2/NDF:66.5/45

All: -71.161+/-173.590 χ^2/NDF: 102.5/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

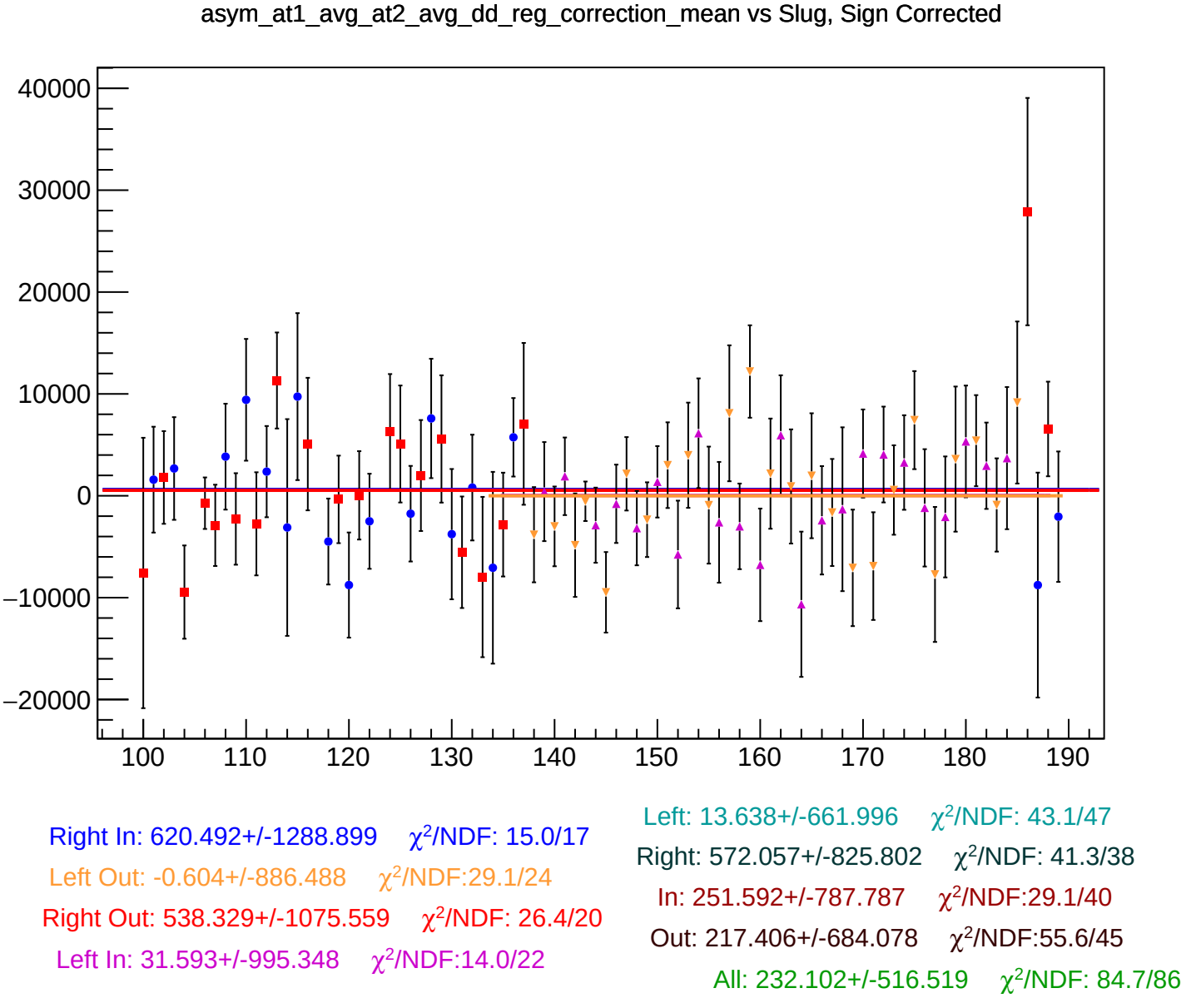
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.714+/-0.228 χ^2/NDF: 841324.2/38

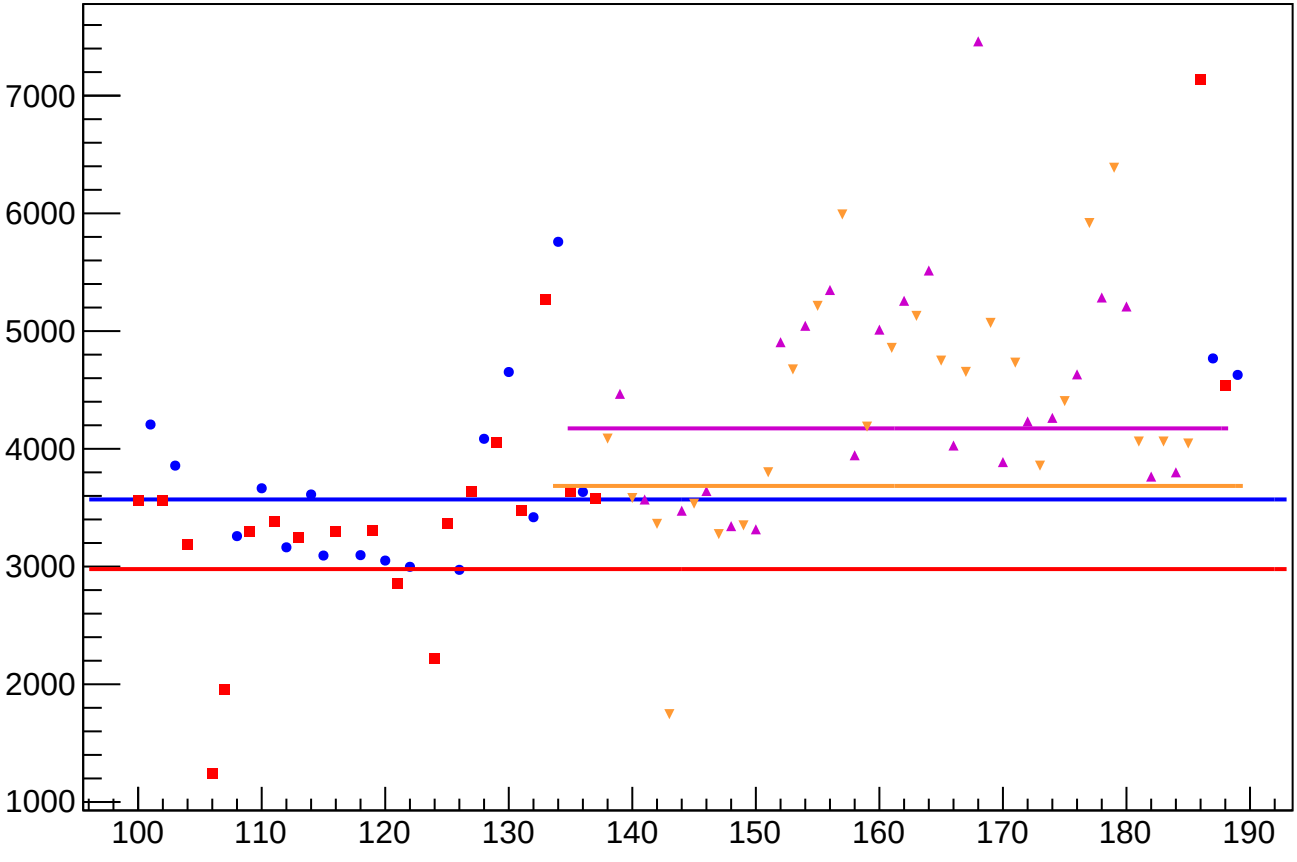
In: 1266.101+/-0.176 χ^2/NDF:558336.5/40

Out: 1278.759+/-0.172 χ^2/NDF:522818.3/45

All: 1272.575+/-0.123 χ^2/NDF: 1083813.7/86


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 620.492+/-1288.899 χ²/NDF: 15.0/17
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 538.329+/-1075.559 χ²/NDF: 26.4/20
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 572.057+/-825.802 χ²/NDF: 41.3/38
In: 251.592+/-787.787 χ²/NDF:29.1/40
Out: 217.406+/-684.078 χ²/NDF:55.6/45
All: 232.102+/-516.519 χ²/NDF: 84.7/86

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3569.977+/-0.911 χ^2/NDF: 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

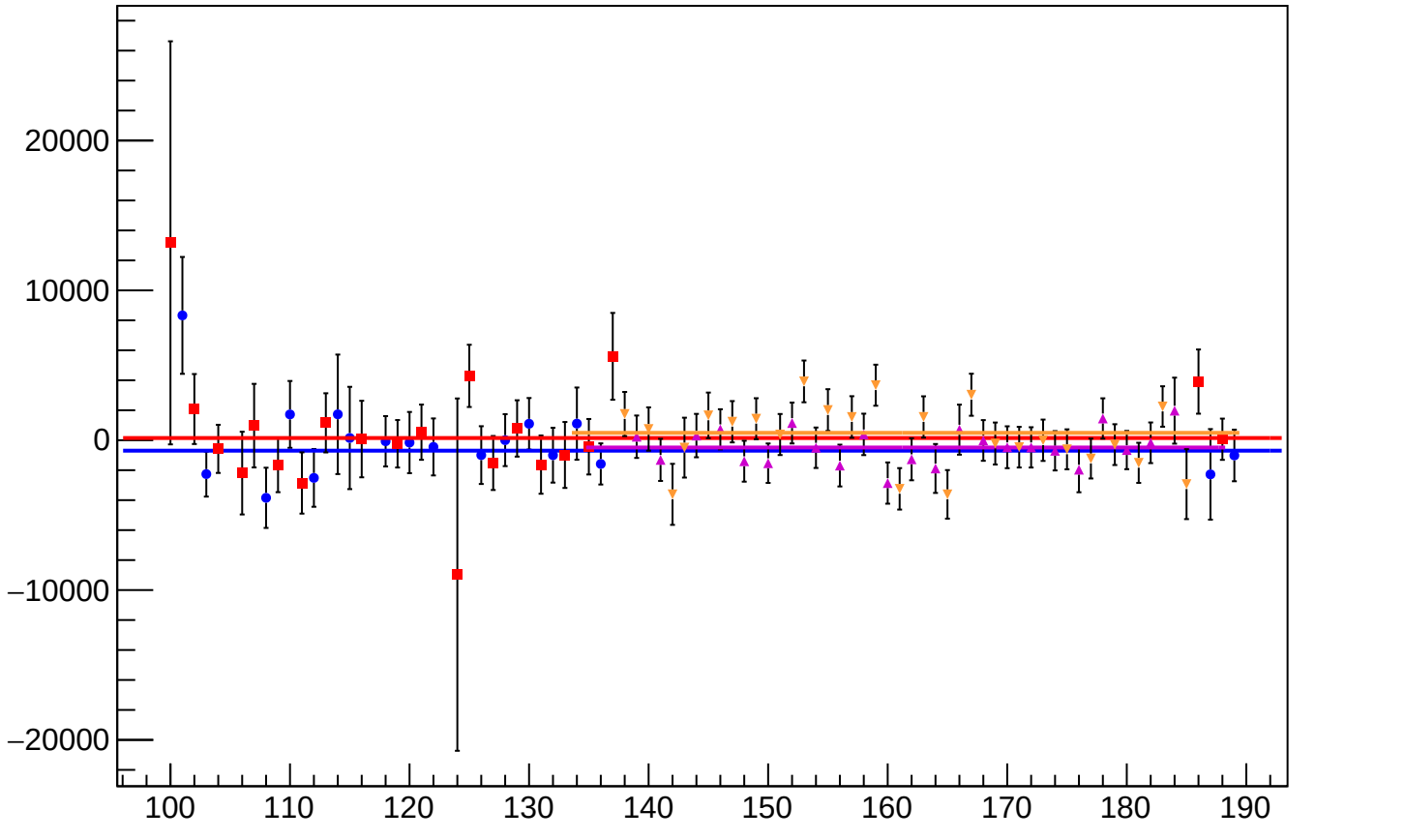
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3221.265+/-0.584 χ^2/NDF: 2716053.4/38

In: 3948.073+/-0.557 χ^2/NDF:1986291.4/40

Out: 3399.042+/-0.484 χ^2/NDF:6238405.2/45

All: 3635.063+/-0.365 χ^2/NDF: 8778514.3/86



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

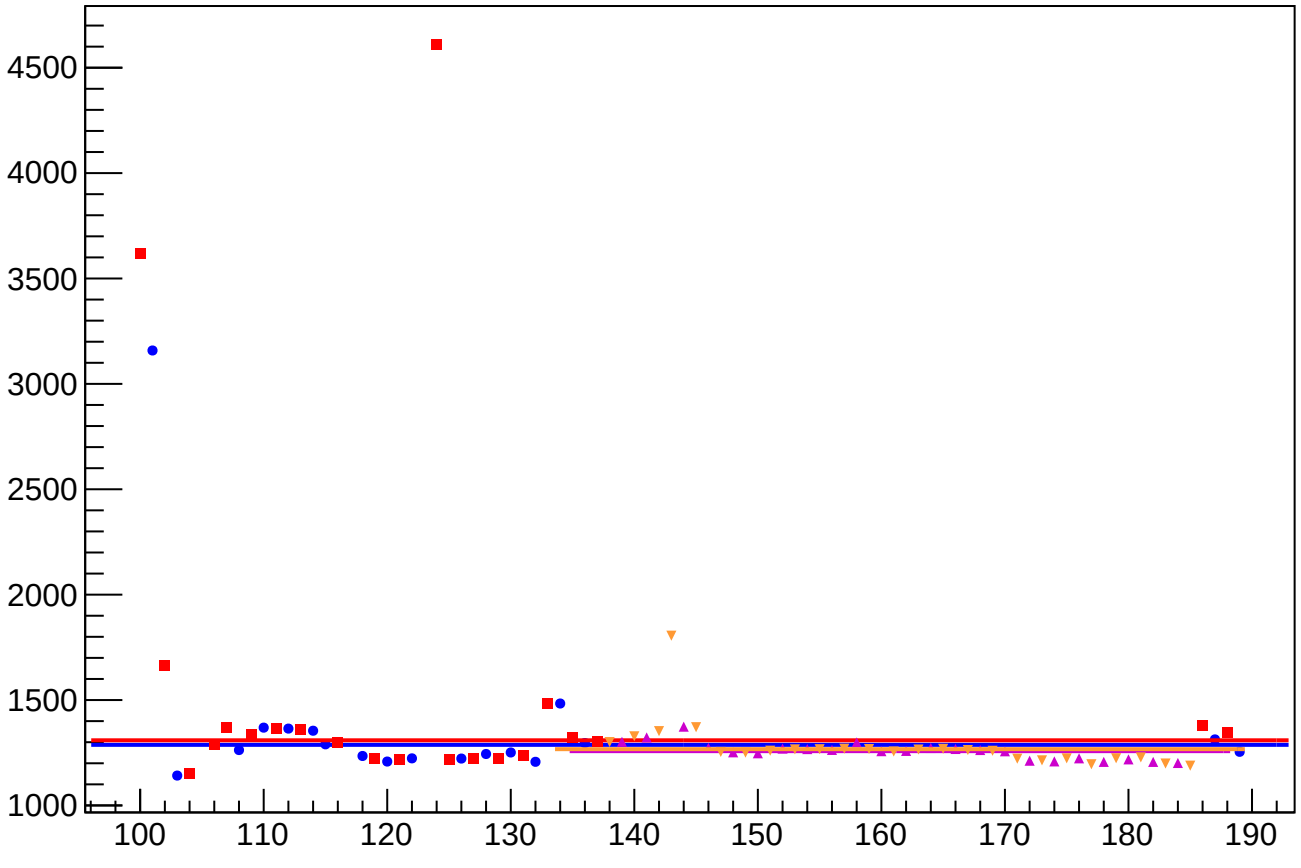
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -262.293+/-323.124 χ^2/NDF: 35.5/38

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -67.501+/-173.604 χ^2/NDF: 103.0/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

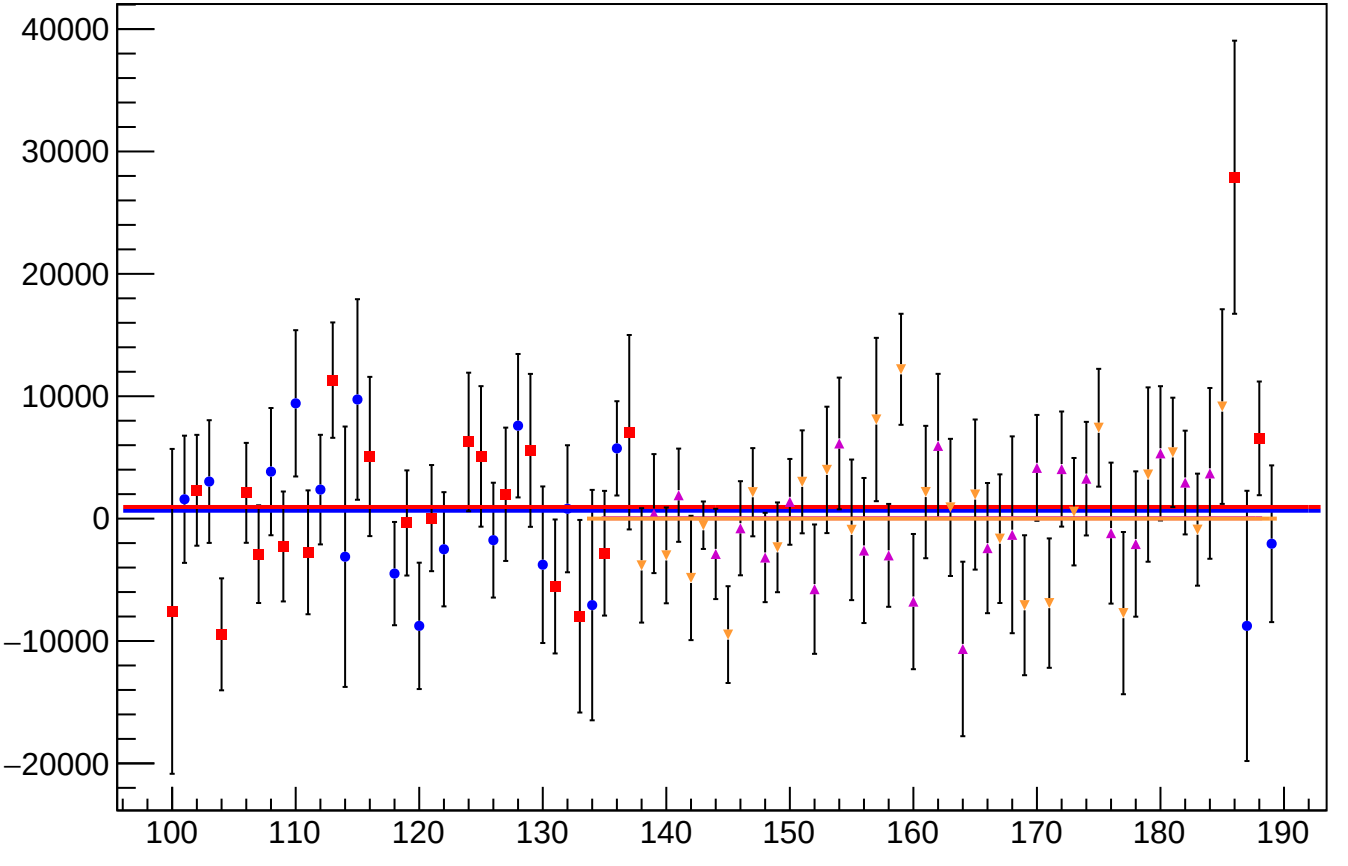
Right: 1298.604+/-0.228 χ^2/NDF: 847910.1/38

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

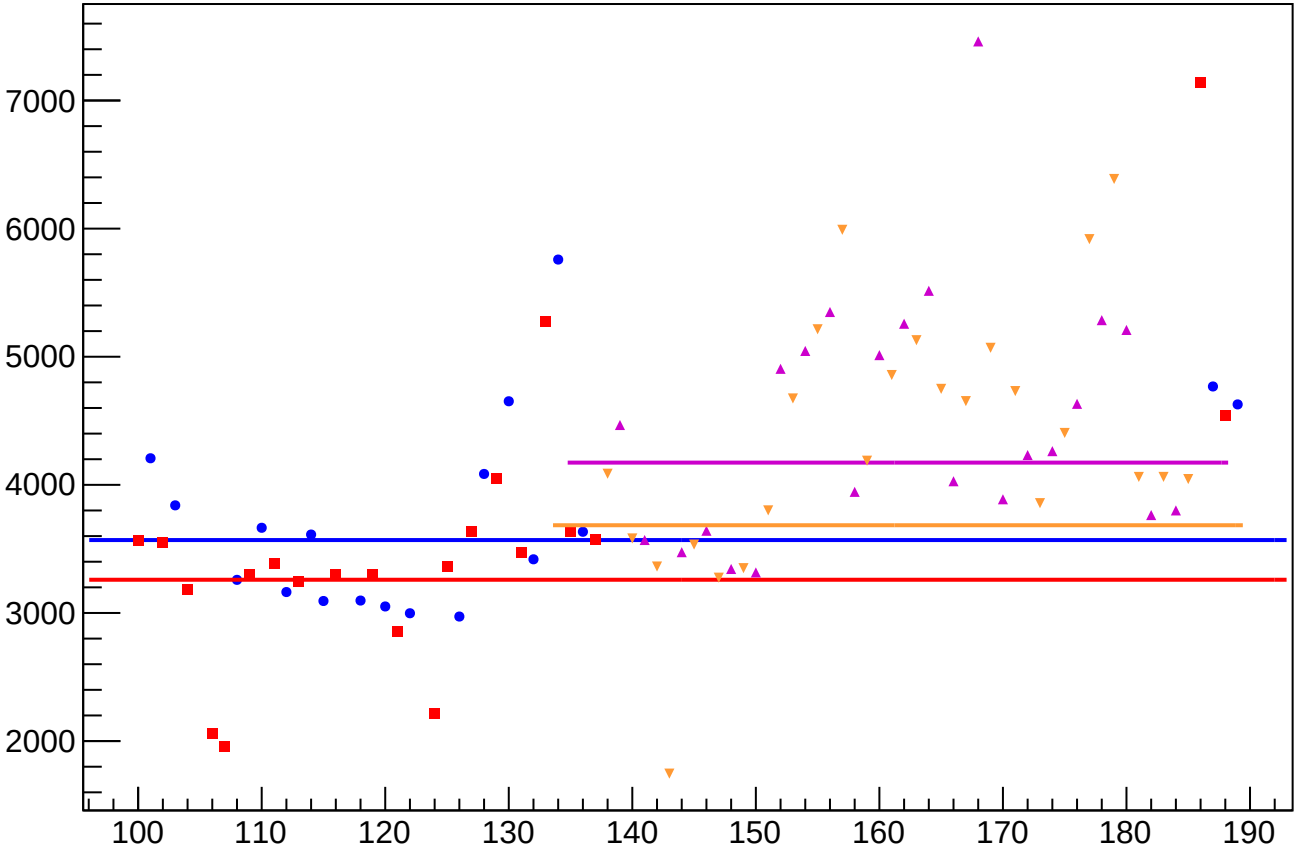
Right: 816.403+/-854.026 χ^2/NDF: 41.3/38

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 314.965+/-523.214 χ^2/NDF: 84.9/86

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

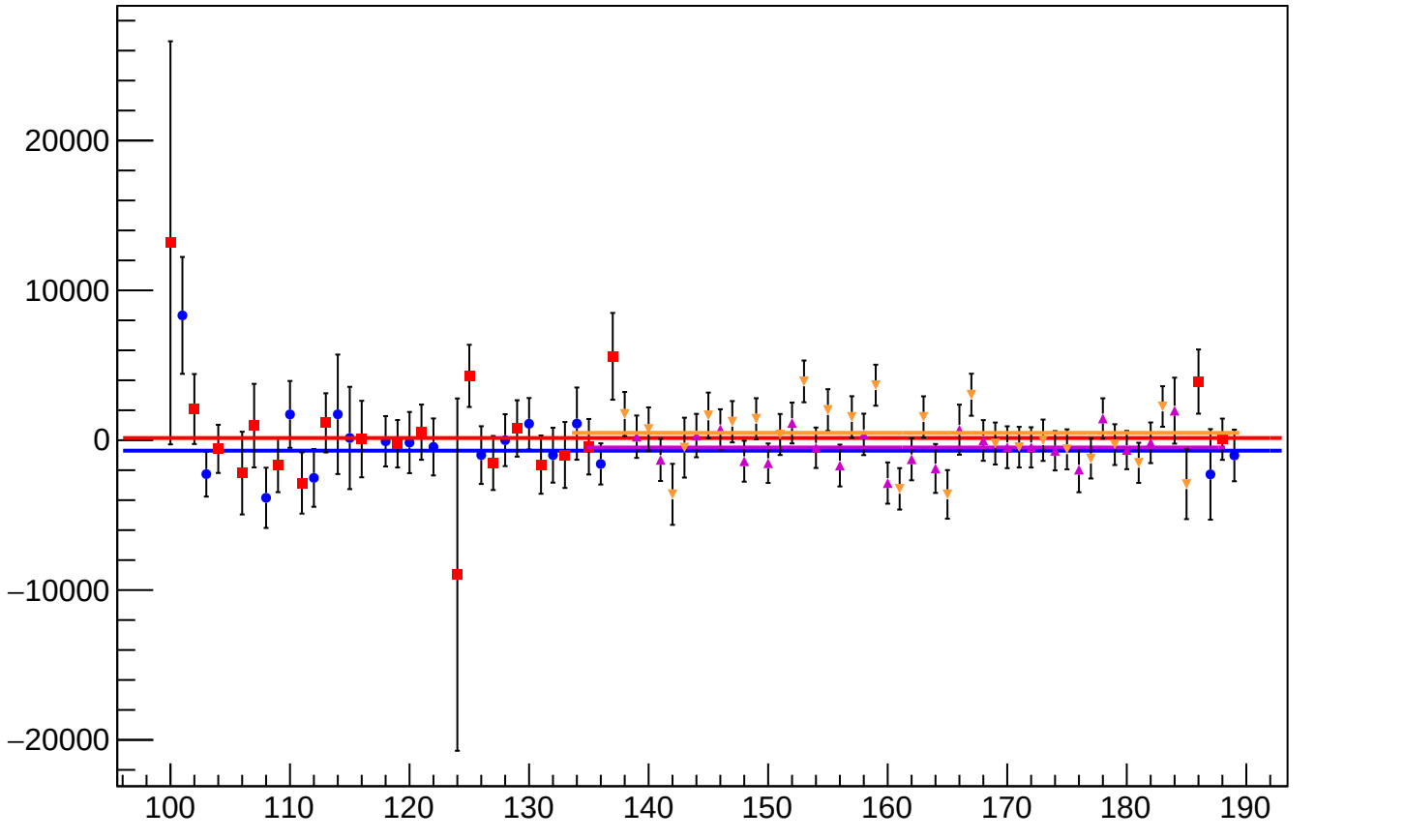
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3395.397+/-0.604 χ^2/NDF: 1567181.0/38

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

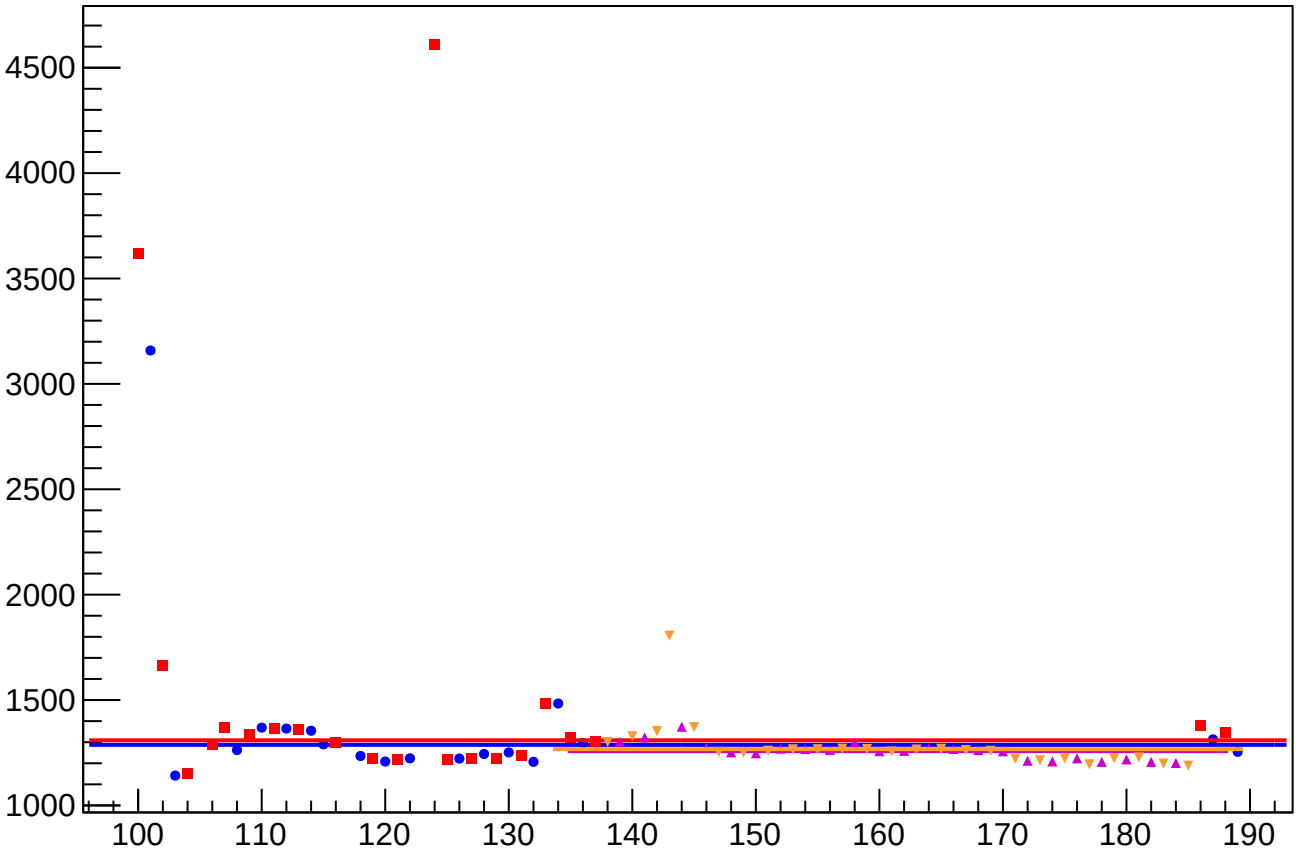
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -262.293+/-323.124 χ^2/NDF: 35.5/38

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -67.501+/-173.604 χ^2/NDF: 103.0/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

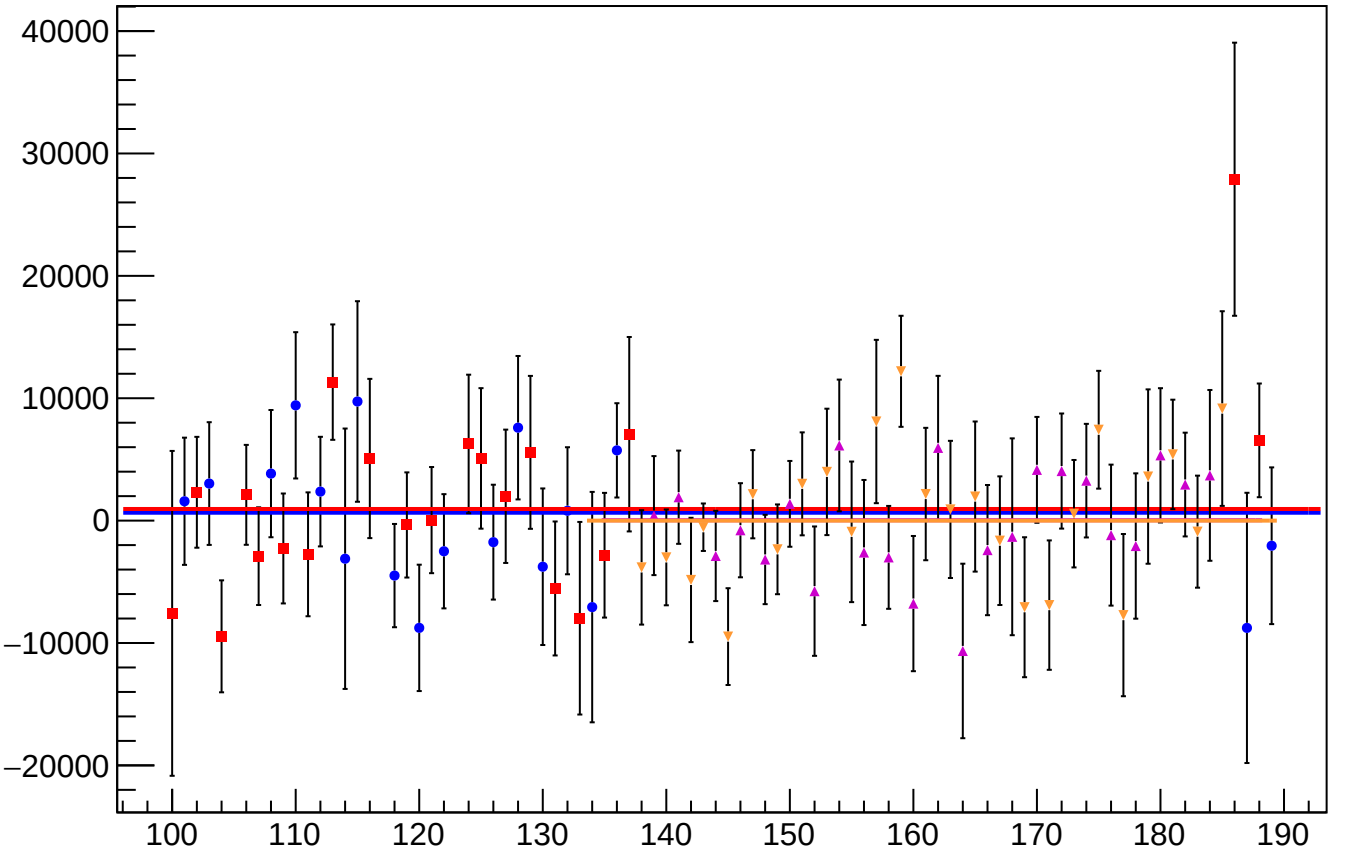
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1298.604+/-0.228 χ^2/NDF: 847910.1/38

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

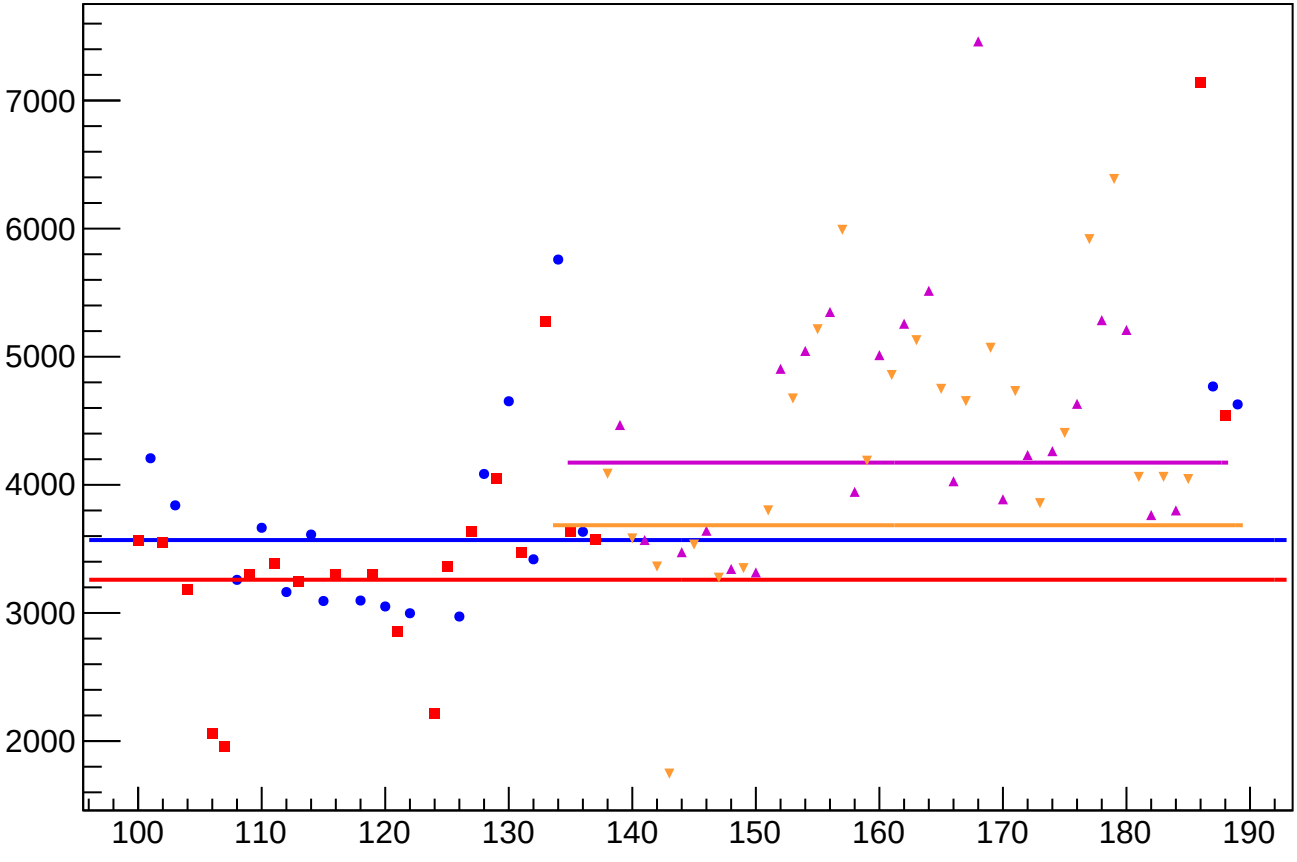
Right: 816.403+/-854.026 χ^2/NDF: 41.3/38

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 314.965+/-523.214 χ^2/NDF: 84.9/86

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

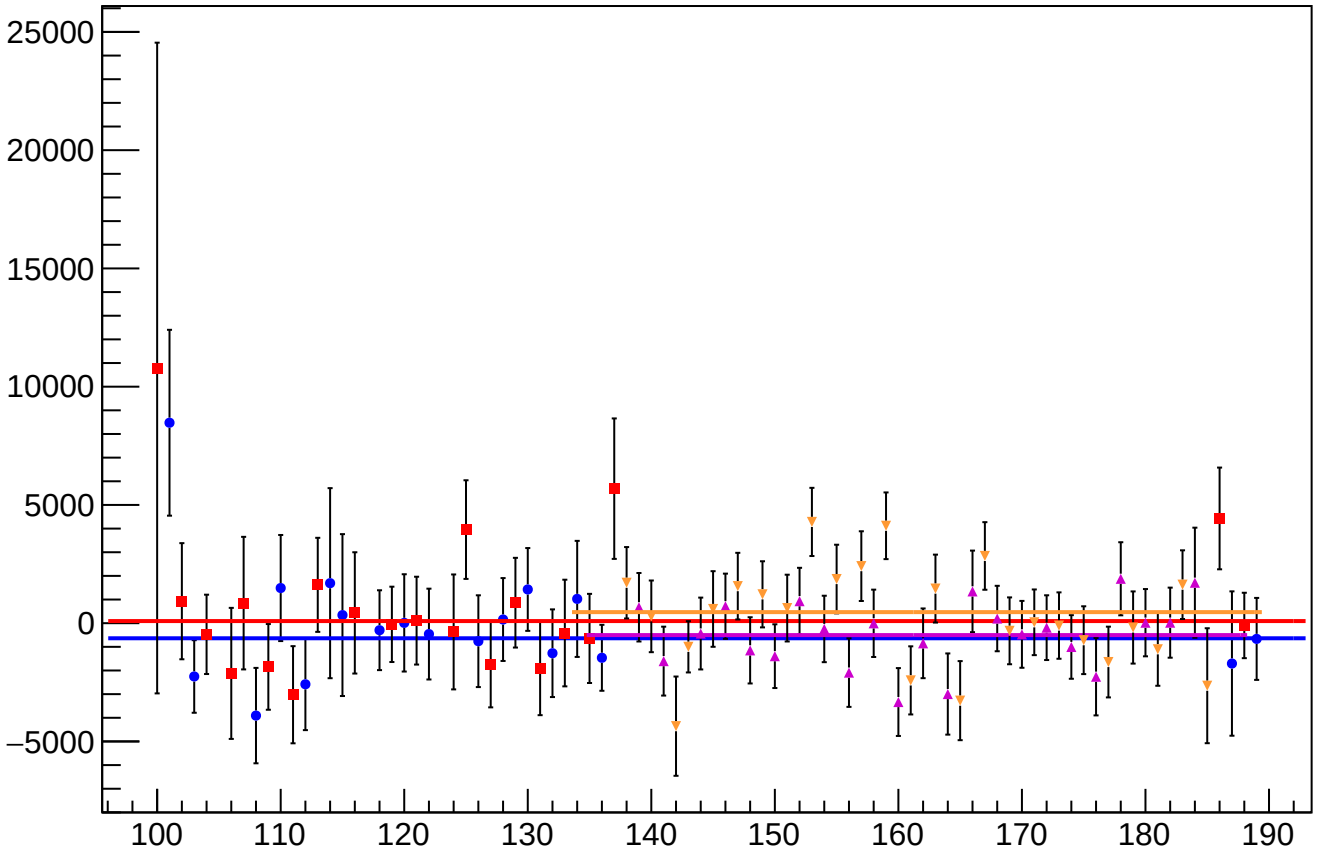
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3395.397+/-0.604 χ^2/NDF: 1567181.0/38

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.620+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

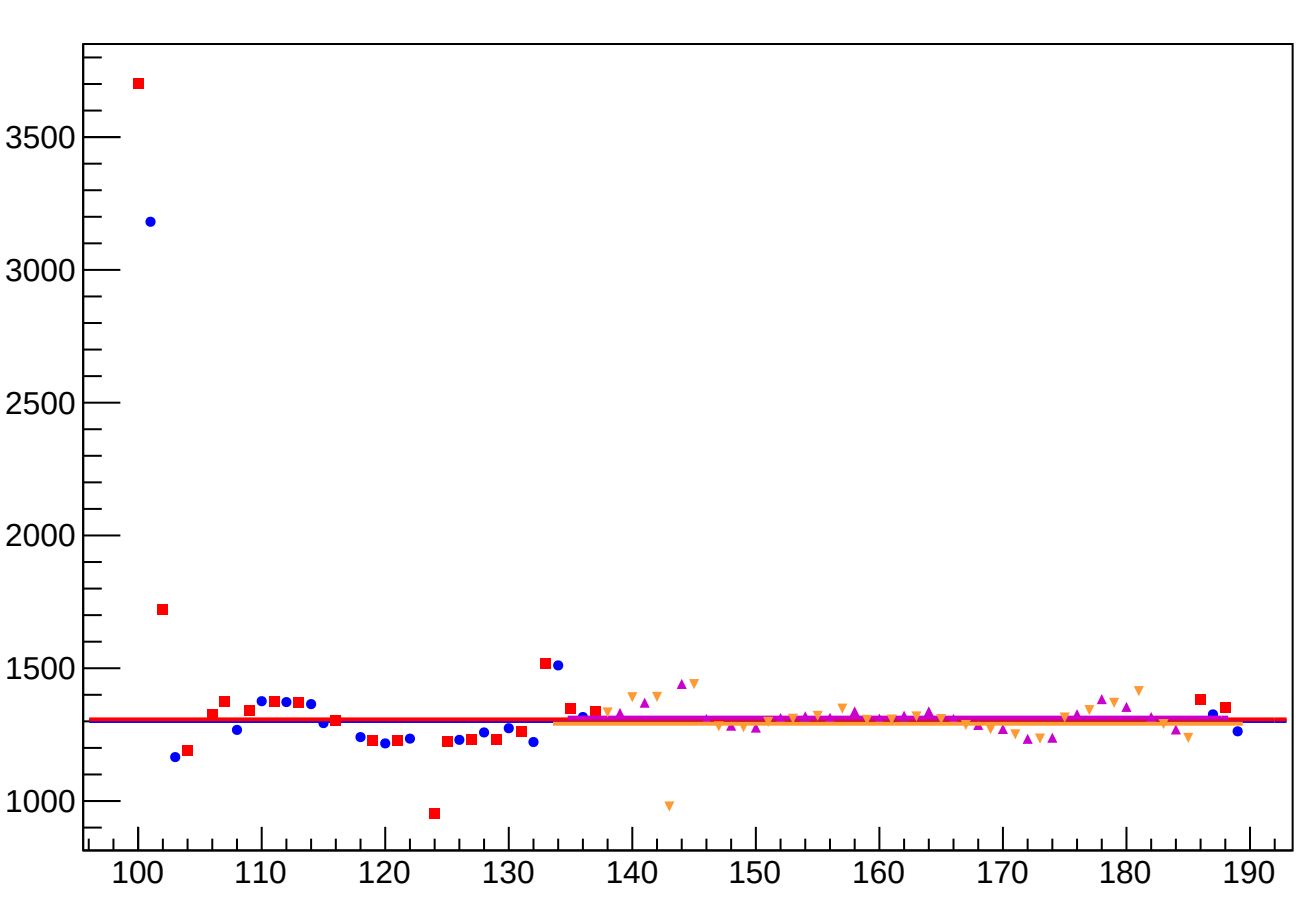
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -257.149+/-324.174 χ^2/NDF: 34.6/38

In: -543.823+/-256.990 χ^2/NDF:31.7/40

Out: 353.938+/-245.961 χ^2/NDF:63.7/45

All: -75.266+/-177.692 χ^2/NDF: 101.8/86



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

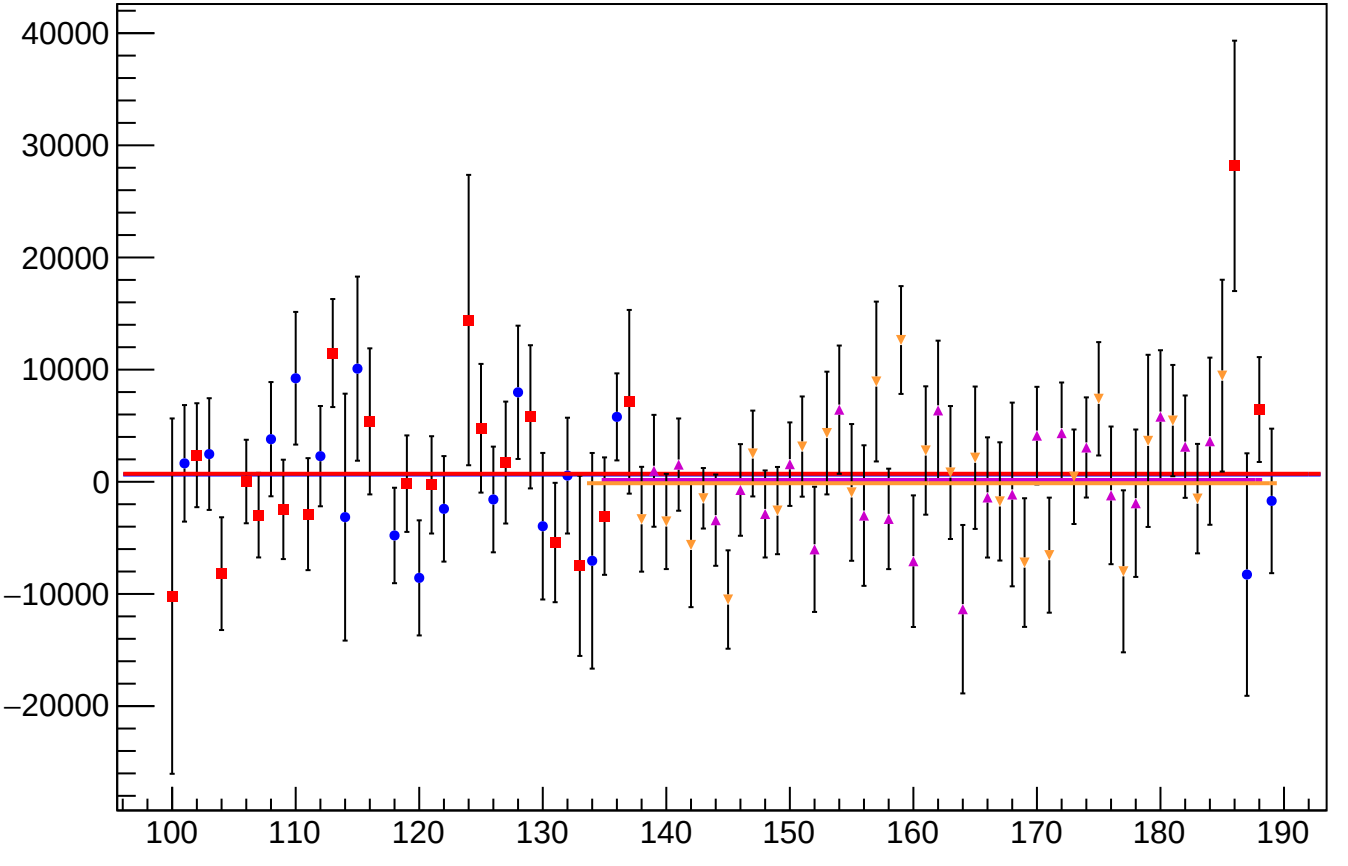
Right: 1304.584+/-0.229 χ^2/NDF: 730530.2/38

In: 1310.282+/-0.182 χ^2/NDF:555816.7/40

Out: 1296.070+/-0.174 χ^2/NDF:451127.0/45

All: 1302.863+/-0.126 χ^2/NDF: 1010136.4/86

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

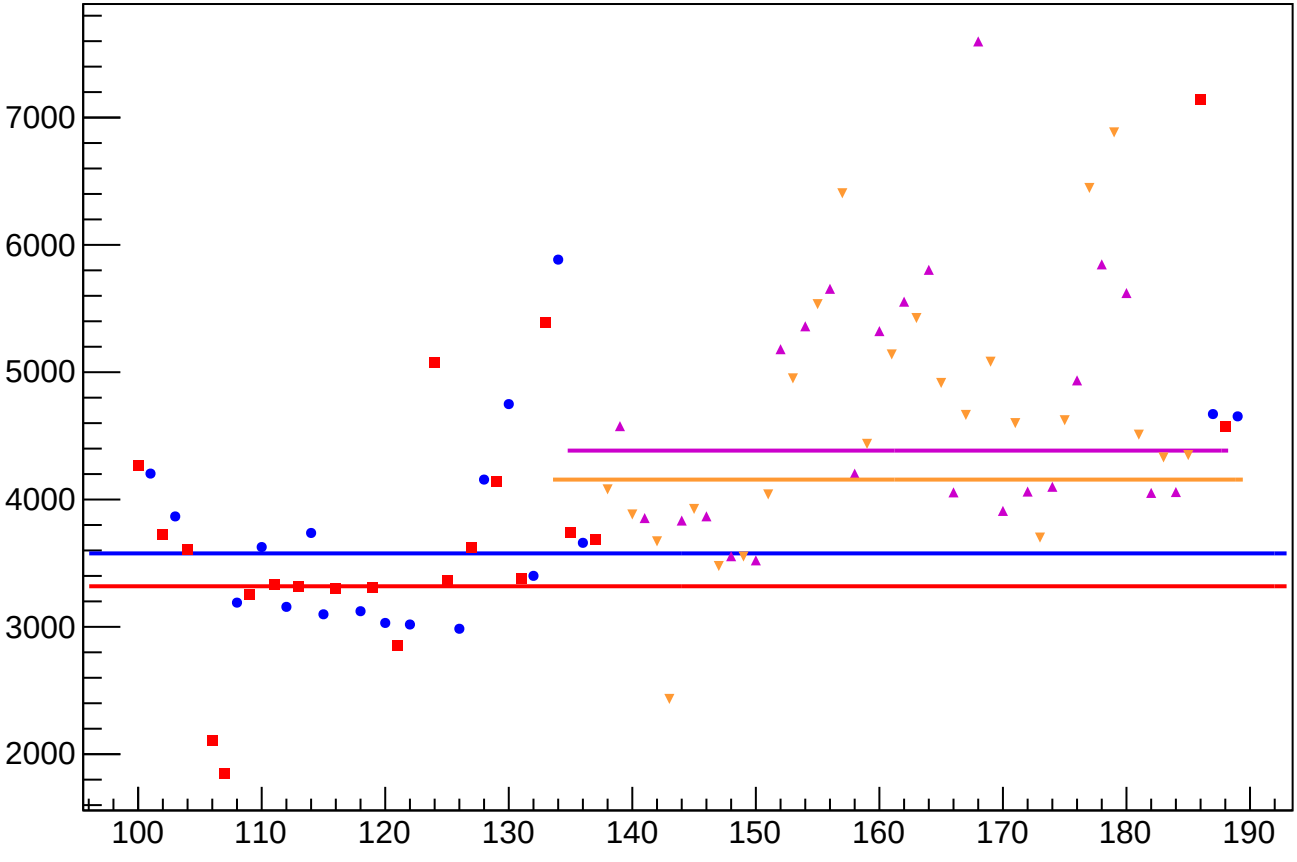
Right: 685.997+/-861.178 χ^2/NDF: 39.7/38

In: 353.640+/-812.436 χ^2/NDF:28.8/40

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 283.228+/-549.619 χ^2/NDF: 82.4/86

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

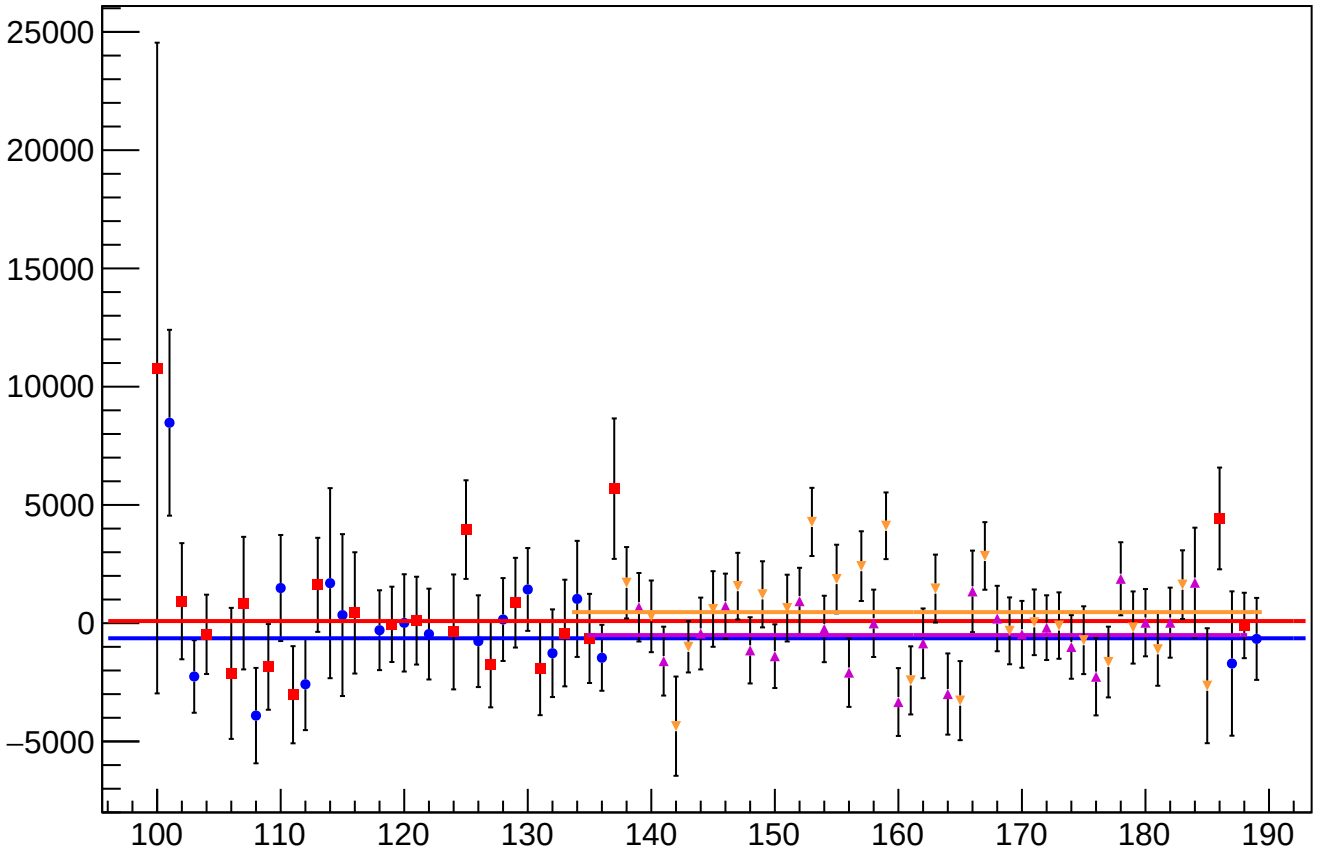
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3433.701+/-0.609 χ^2/NDF: 1672514.8/38

In: 4064.470+/-0.574 χ^2/NDF:2183758.6/40

Out: 3807.441+/-0.528 χ^2/NDF:3865698.8/45

All: 3925.074+/-0.389 χ^2/NDF: 6158021.3/86



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.613+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

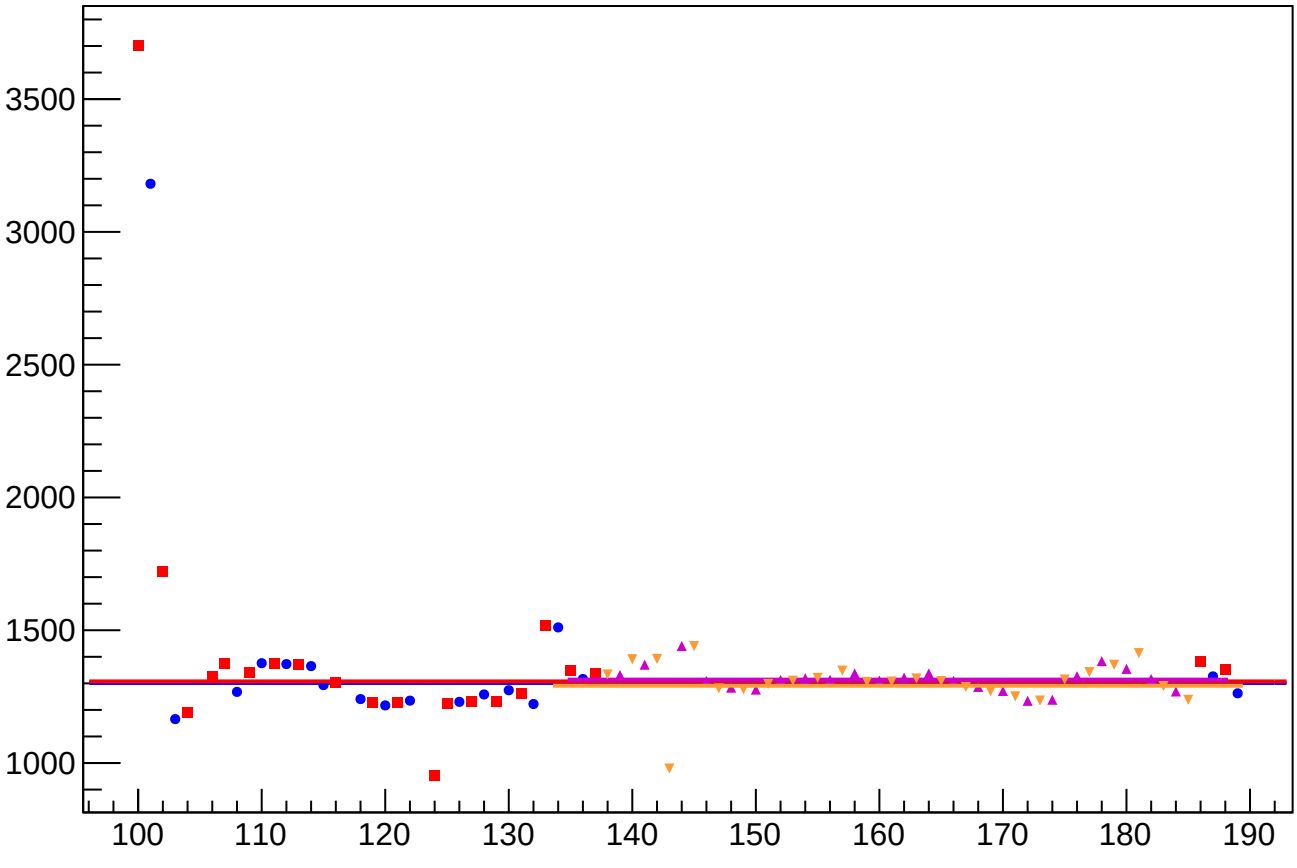
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -257.154+/-324.174 χ^2/NDF: 34.6/38

In: -543.824+/-256.990 χ^2/NDF:31.7/40

Out: 353.939+/-245.962 χ^2/NDF:63.7/45

All: -75.266+/-177.692 χ^2/NDF: 101.8/86



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

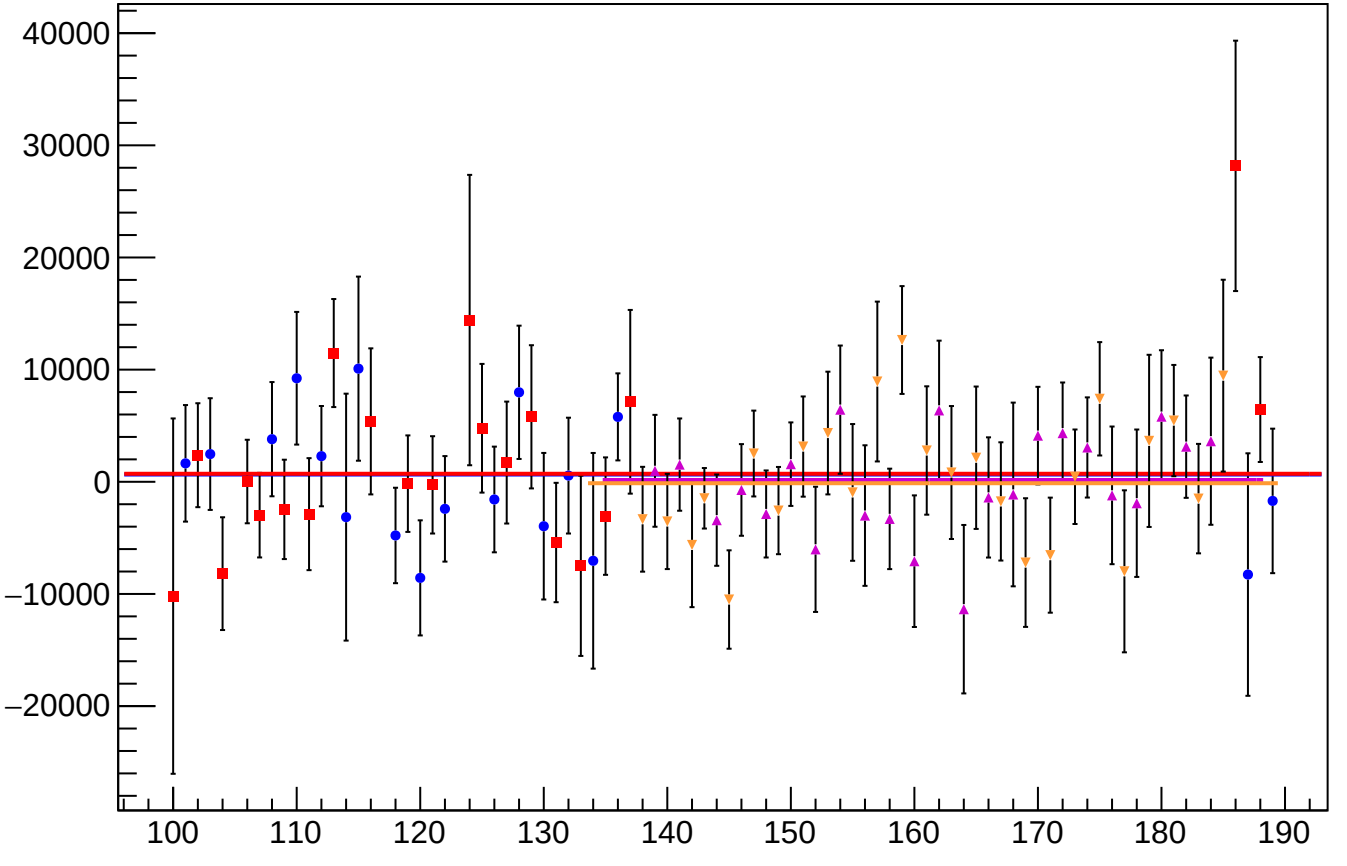
Right: 1304.584+/-0.229 χ^2/NDF: 730530.4/38

In: 1310.282+/-0.182 χ^2/NDF:555819.2/40

Out: 1296.071+/-0.174 χ^2/NDF:451129.2/45

All: 1302.864+/-0.126 χ^2/NDF: 1010141.1/86

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

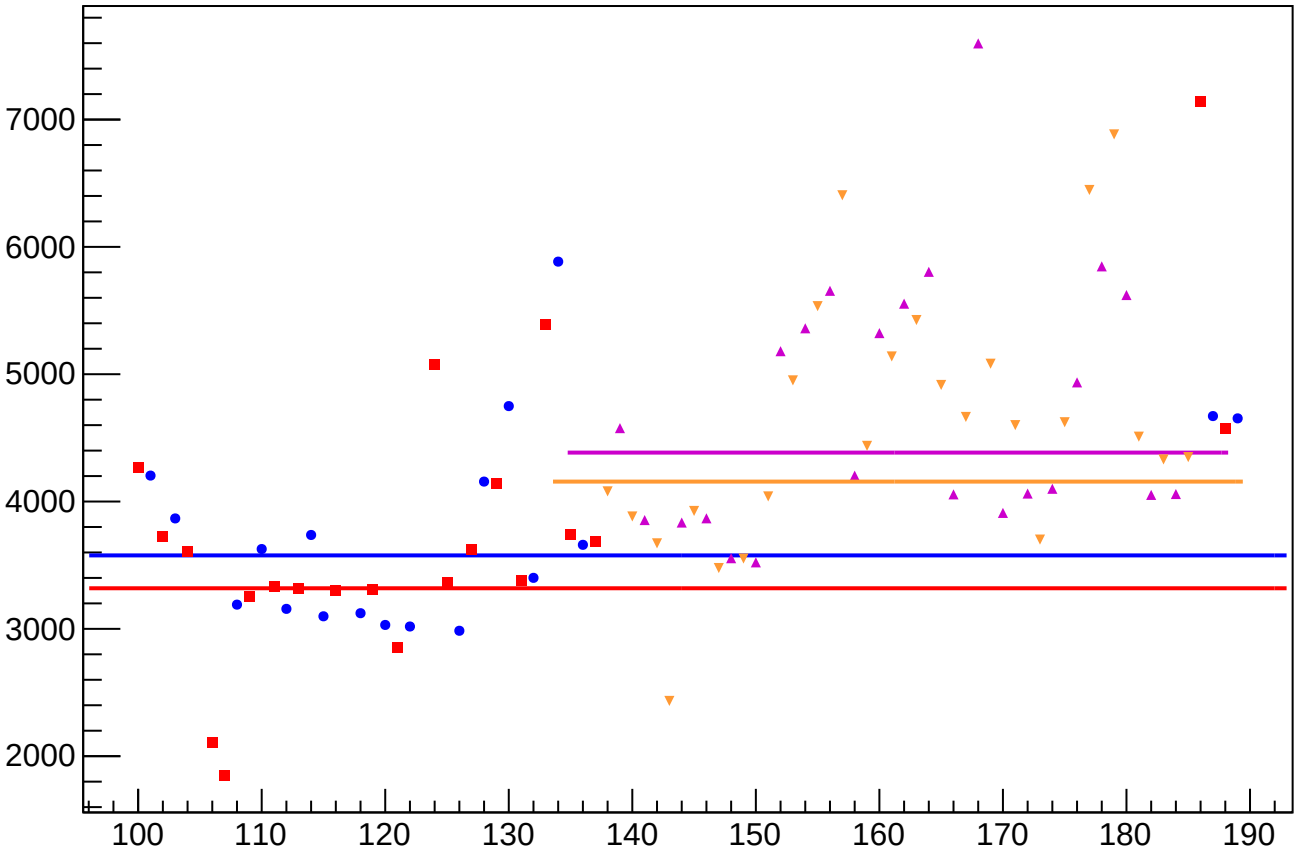
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 685.989+/-861.176 χ^2/NDF: 39.7/38

In: 353.638+/-812.436 χ^2/NDF:28.8/40

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 283.227+/-549.619 χ^2/NDF: 82.4/86



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

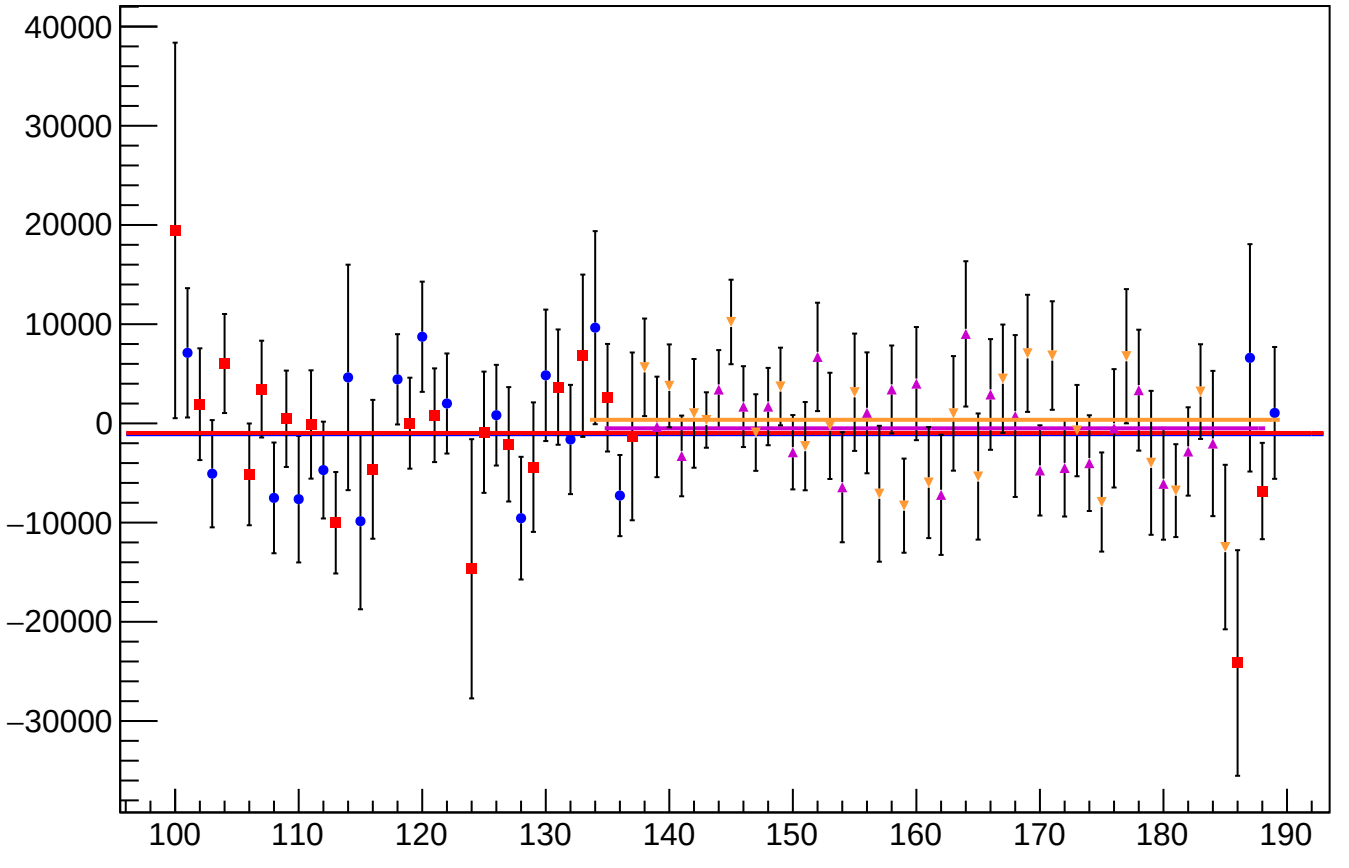
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3433.693+/-0.609 χ^2/NDF: 1672526.6/38

In: 4064.469+/-0.574 χ^2/NDF:2183787.7/40

Out: 3807.440+/-0.528 χ^2/NDF:3865728.8/45

All: 3925.073+/-0.389 χ^2/NDF: 6158080.4/86



Right In: -1089.614+/-1389.186 χ^2/NDF: 18.2/17

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -964.766+/-1280.004 χ^2/NDF: 17.6/20

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

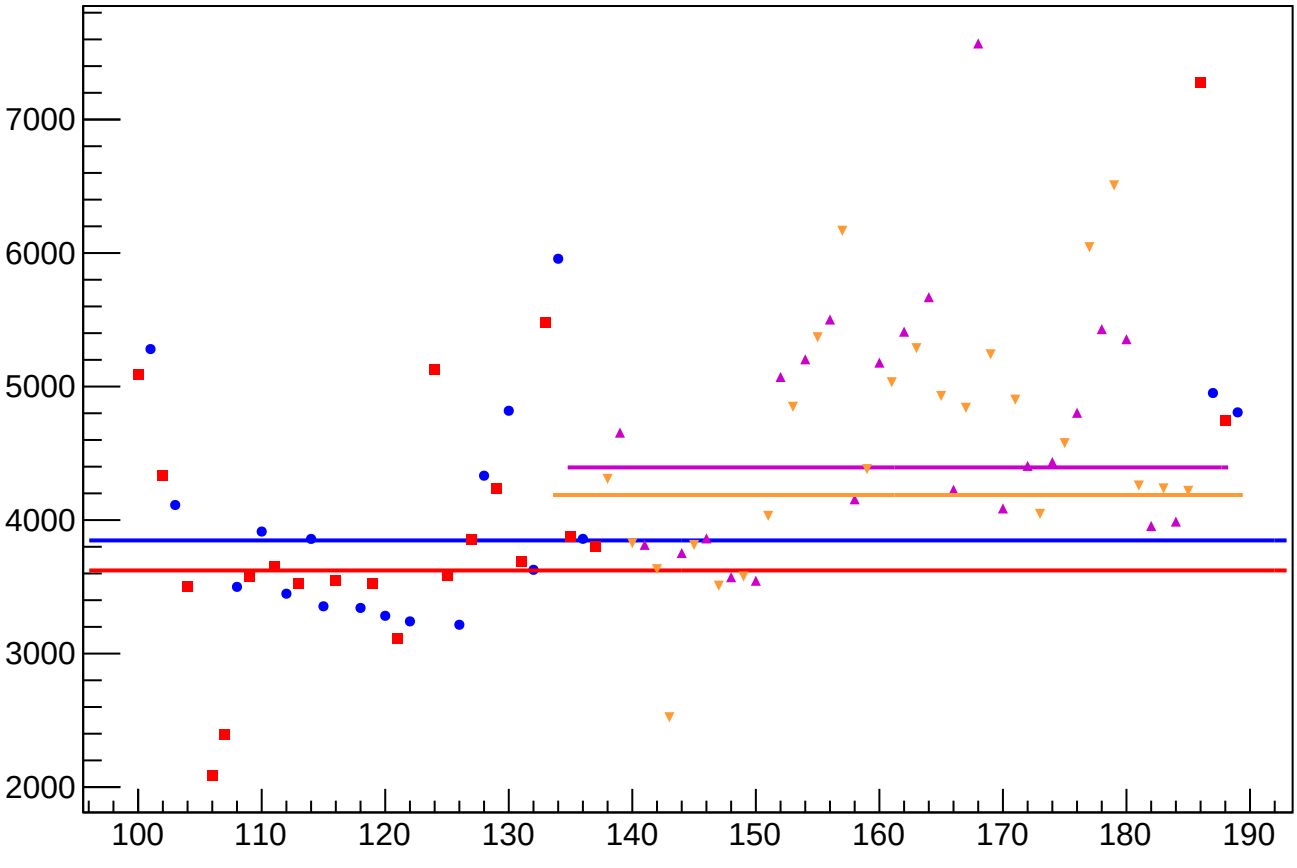
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1022.092+/-941.335 χ^2/NDF: 35.7/38

In: -711.413+/-834.952 χ^2/NDF:32.2/40

Out: -127.890+/-778.056 χ^2/NDF:45.9/45

All: -399.095+/-569.221 χ^2/NDF: 78.3/86



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

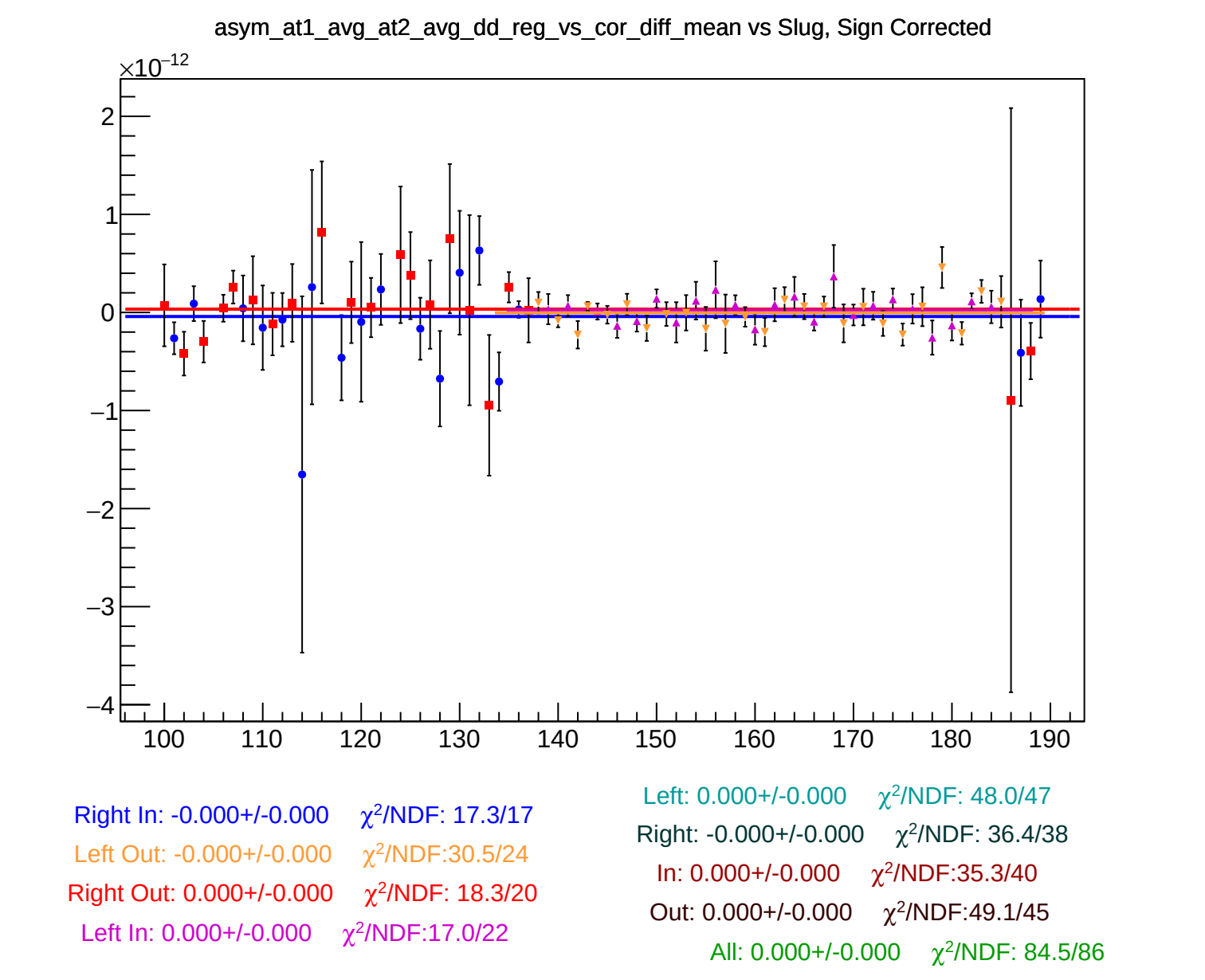
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

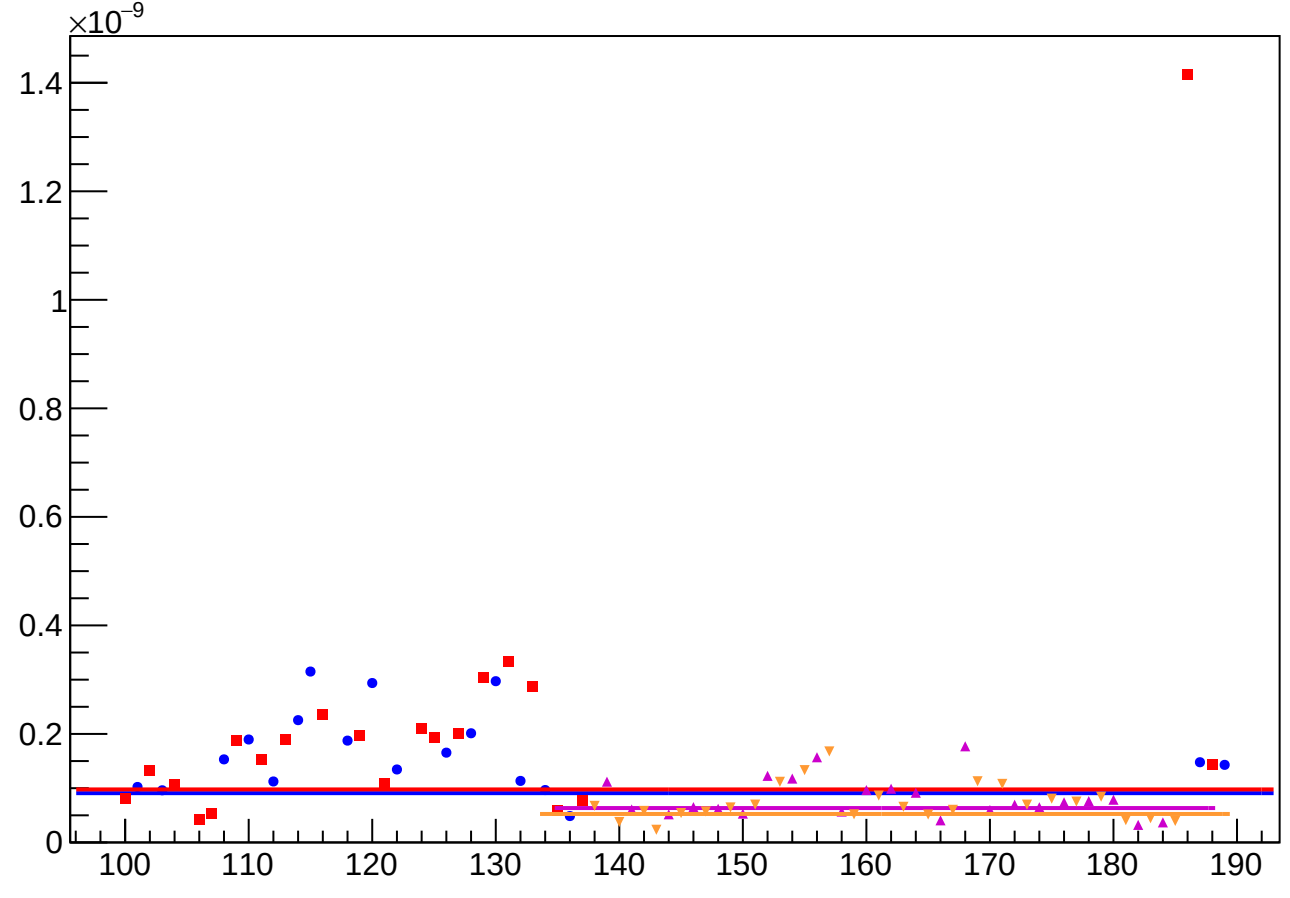
Right: 3724.527+/-0.661 χ^2/NDF: 1396771.6/38

In: 4196.797+/-0.590 χ^2/NDF:1733277.9/40

Out: 3975.698+/-0.548 χ^2/NDF:2967242.7/45

All: 4077.943+/-0.401 χ^2/NDF: 4775910.5/86


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.3/17
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.3/20
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 36.4/38
In: 0.000+/-0.000 χ²/NDF:35.3/40
Out: 0.000+/-0.000 χ²/NDF:49.1/45
All: 0.000+/-0.000 χ²/NDF: 84.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

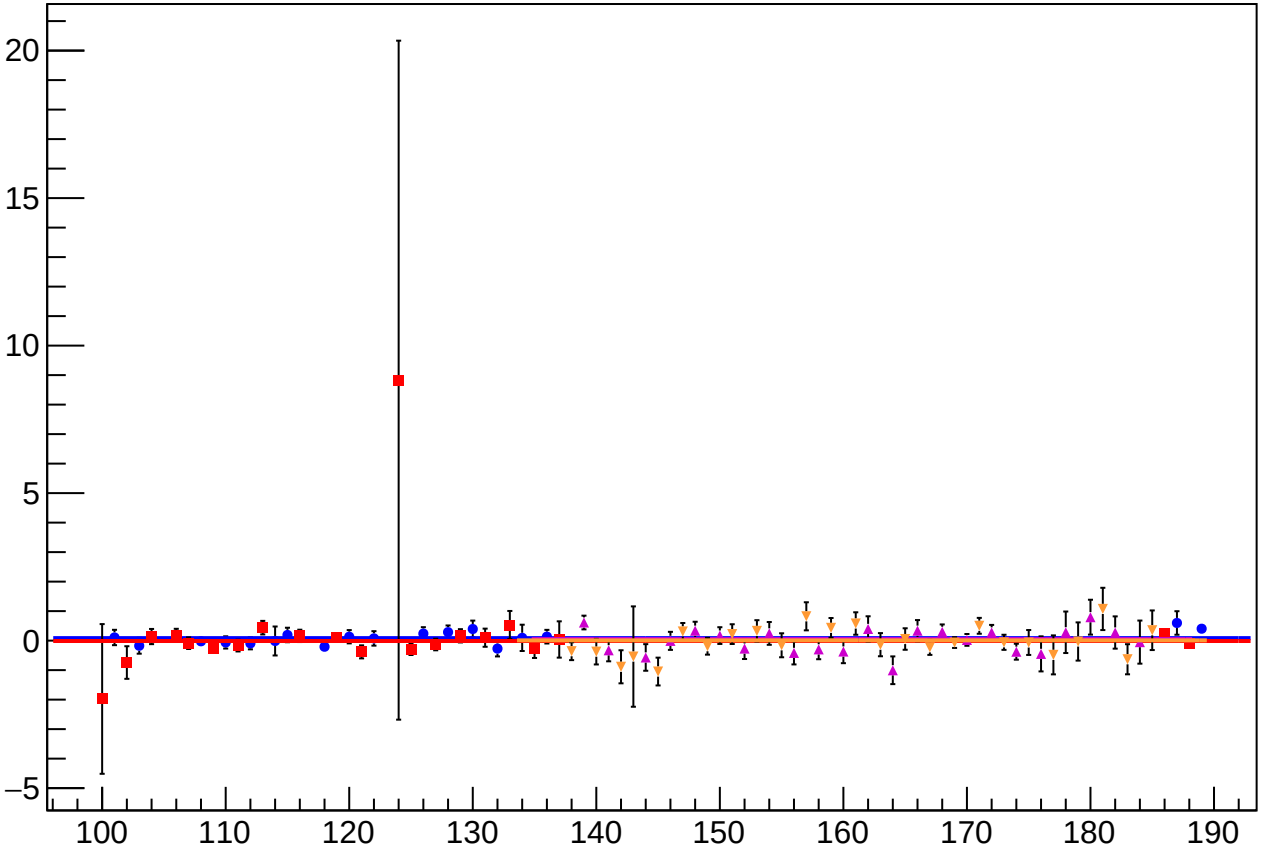
Right: 0.000+/-0.000 χ^2/NDF: 3715965.1/38

In: 0.000+/-0.000 χ^2/NDF:3680558.2/40

Out: 0.000+/-0.000 χ^2/NDF:5743467.6/45

All: 0.000+/-0.000 χ^2/NDF: 9640579.9/86

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

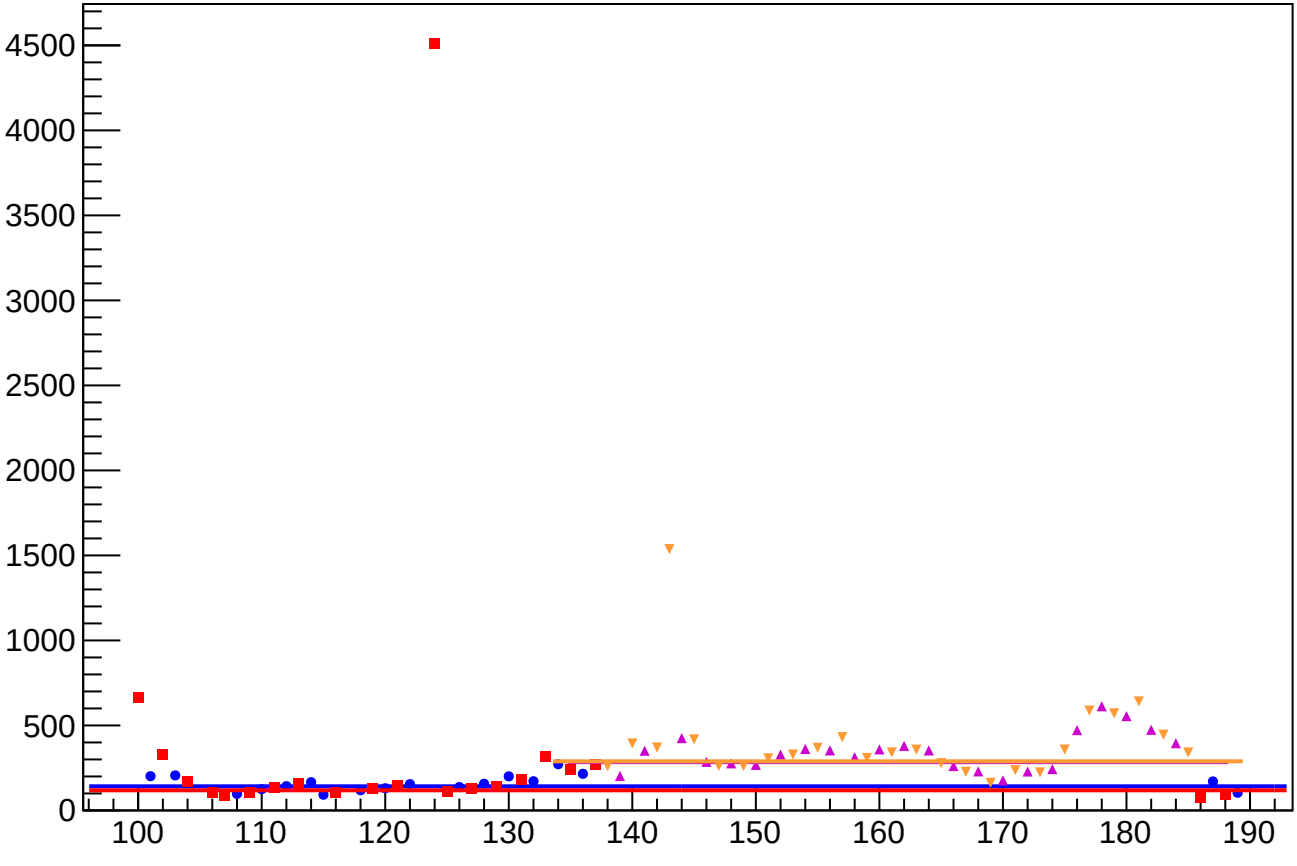
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

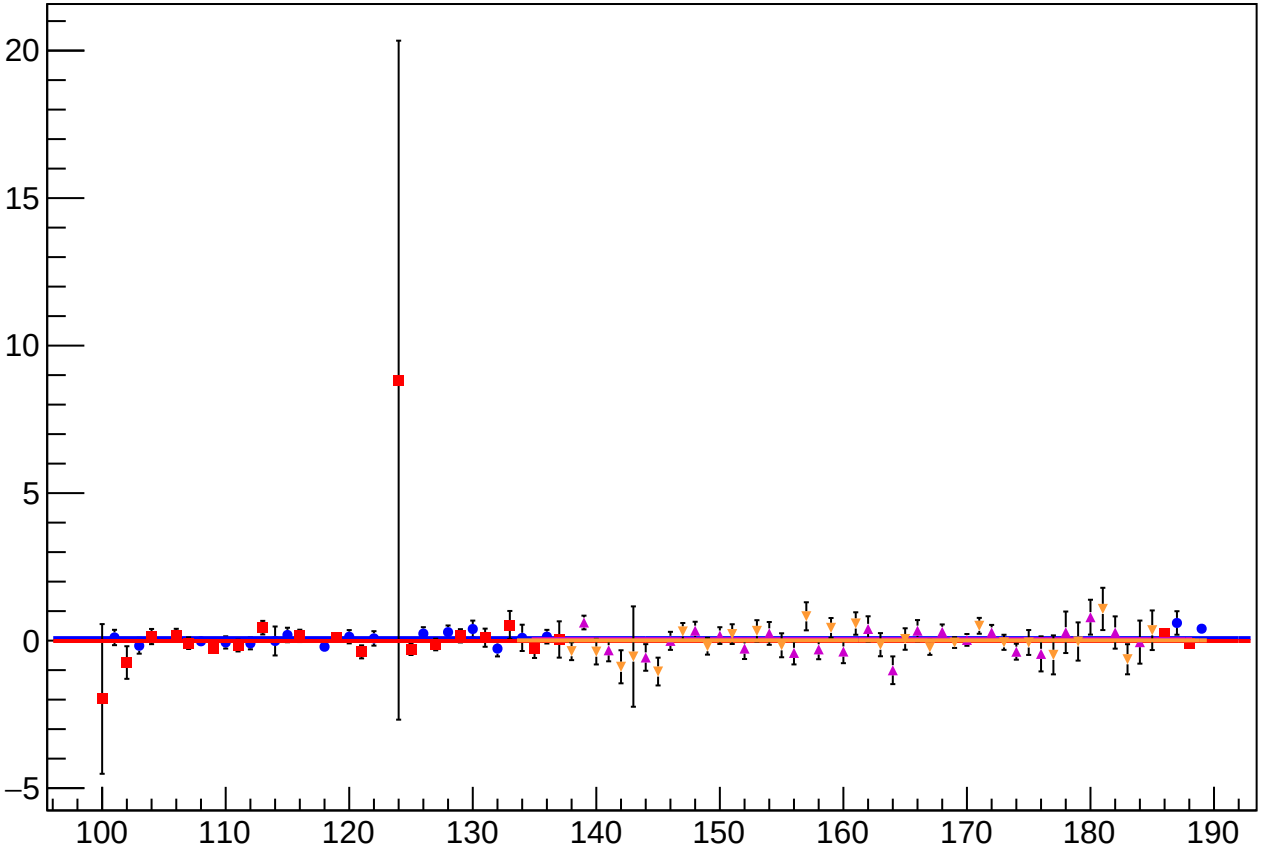
Right: 128.217+/-0.024 χ^2/NDF: 3521289.7/38

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

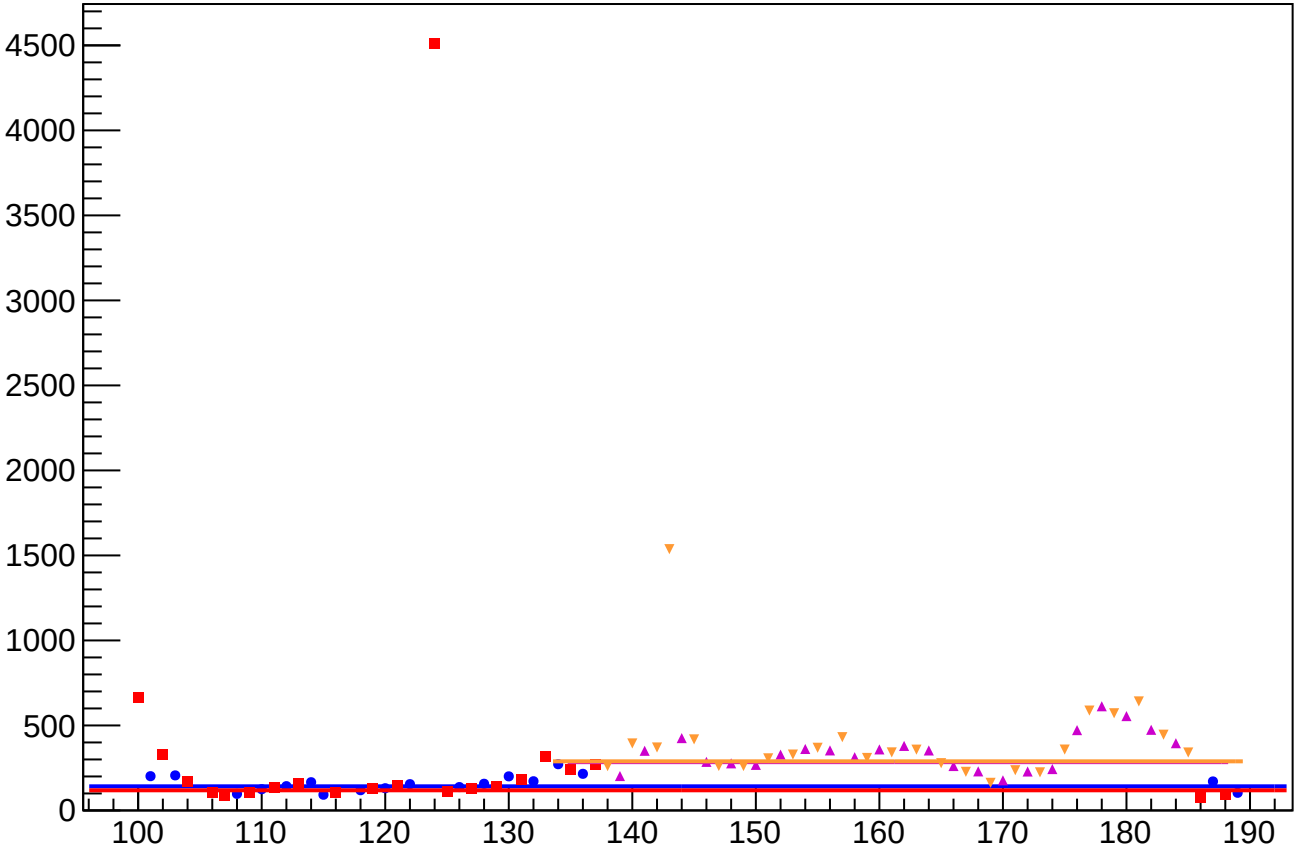
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

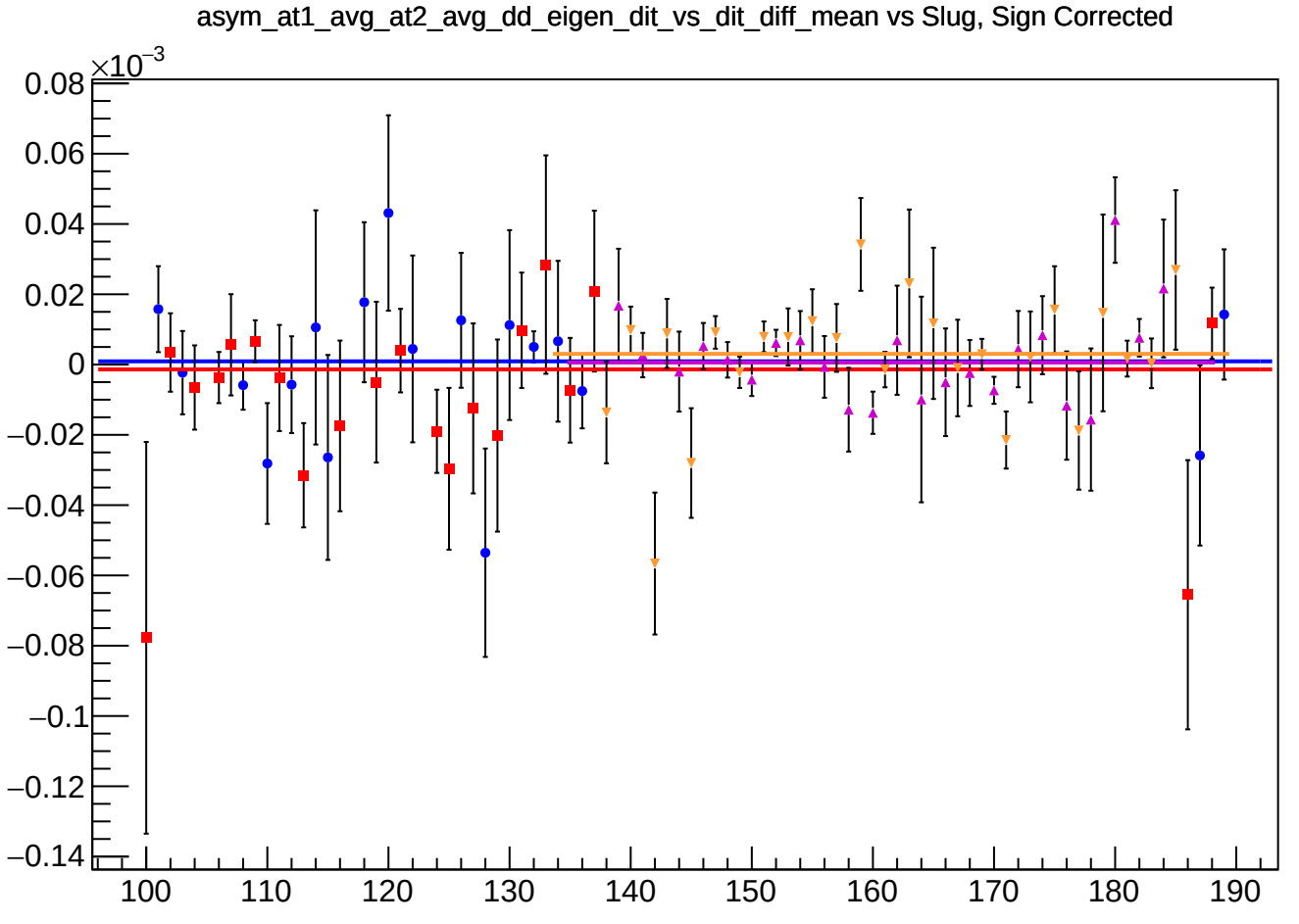
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 128.217+/-0.024 χ^2/NDF: 3521289.7/38

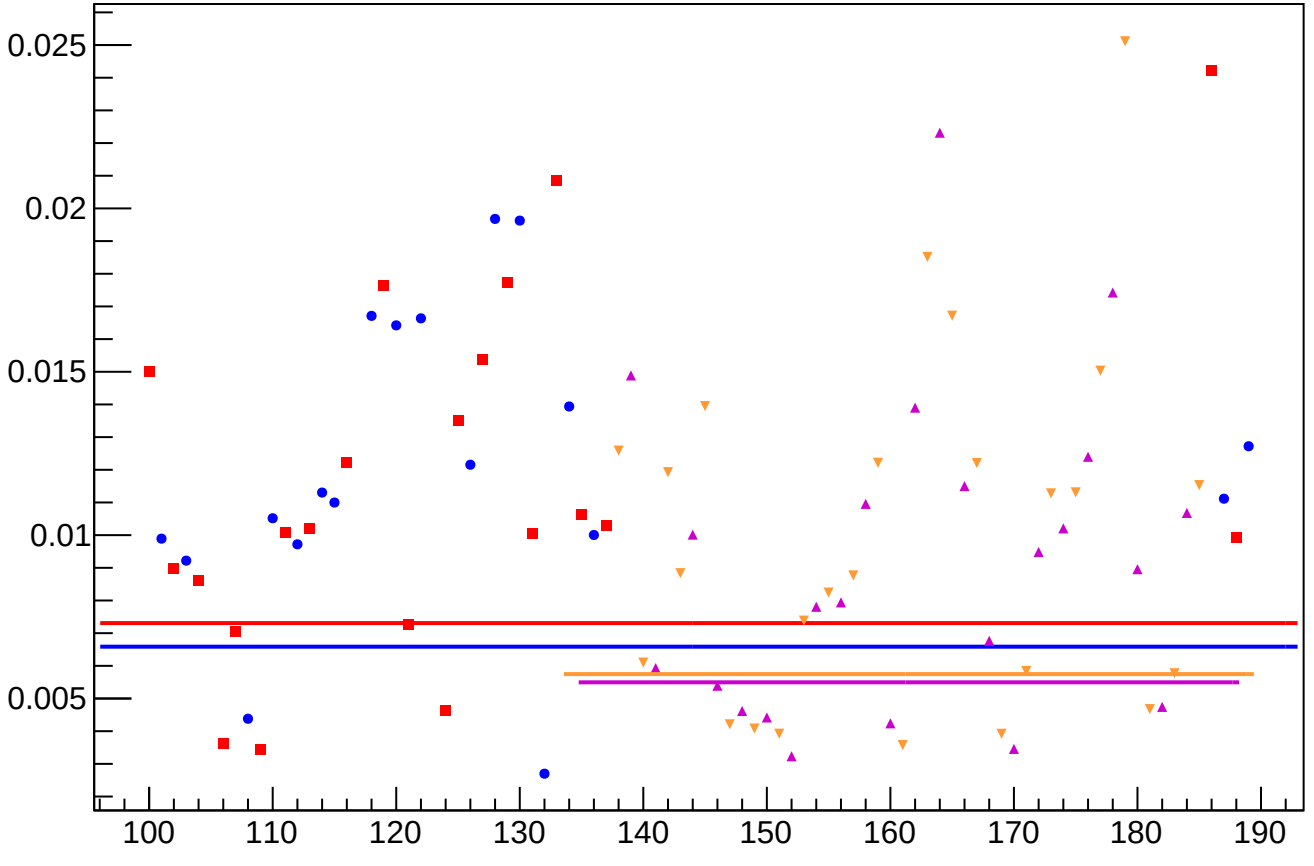
In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.5/17
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.6/20
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: 37.4/38
In: 0.000+/-0.000 χ²/NDF:49.7/40
Out: 0.000+/-0.000 χ²/NDF:64.6/45
All: 0.000+/-0.000 χ²/NDF: 114.9/86

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

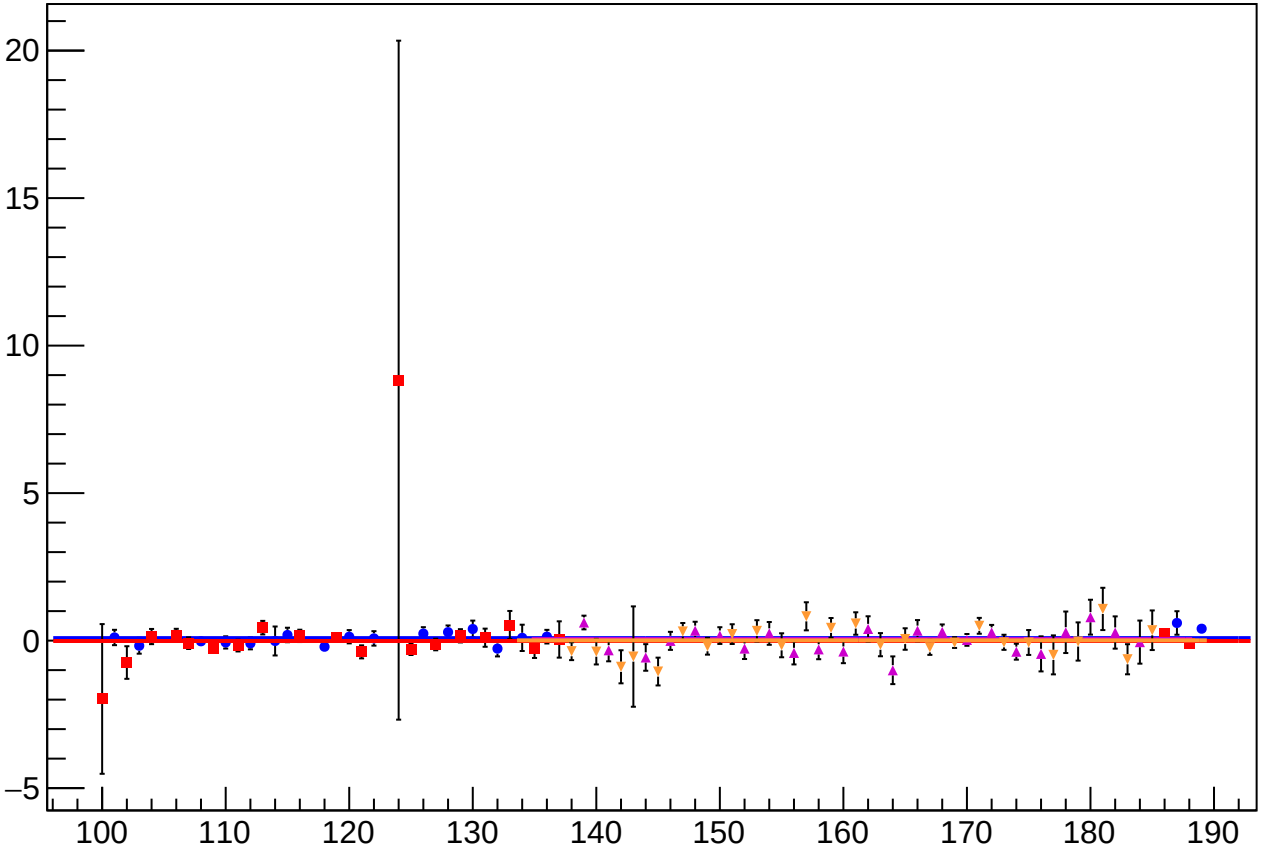
Right: 0.007+/-0.000 χ^2/NDF: 8953912.2/38

In: 0.006+/-0.000 χ^2/NDF:12094637.4/40

Out: 0.006+/-0.000 χ^2/NDF:12546785.7/45

All: 0.006+/-0.000 χ^2/NDF: 24711165.7/86

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

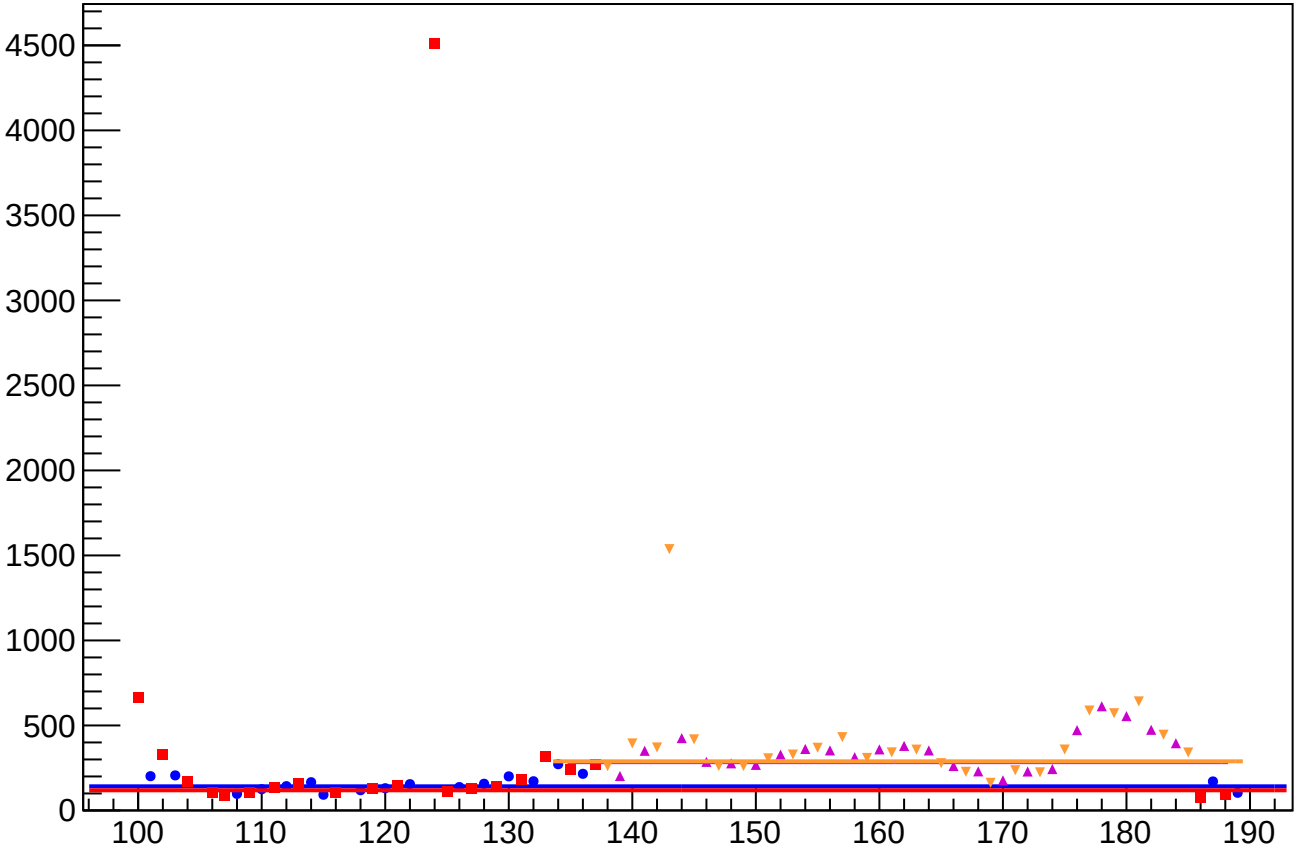
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

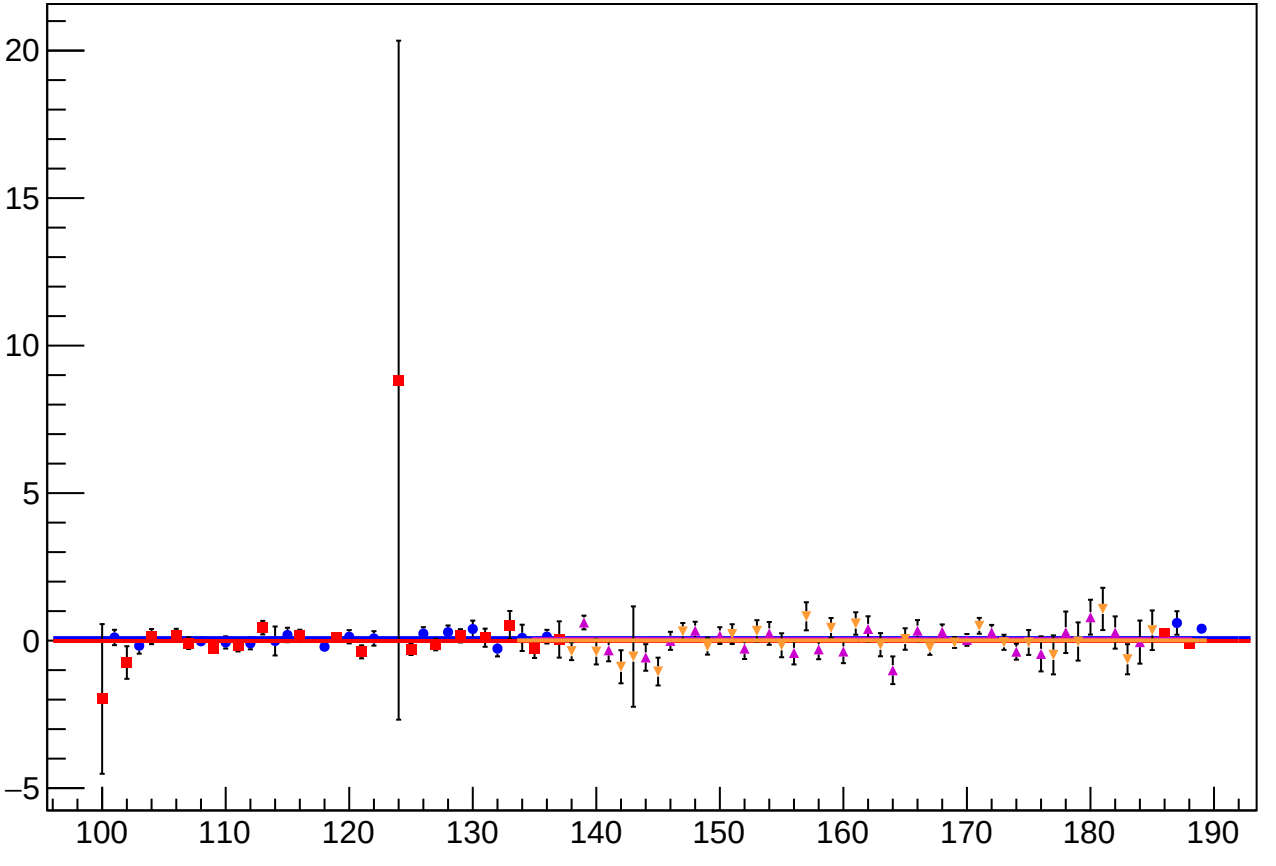
Right: 128.218+/-0.024 χ^2/NDF: 3521087.1/38

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

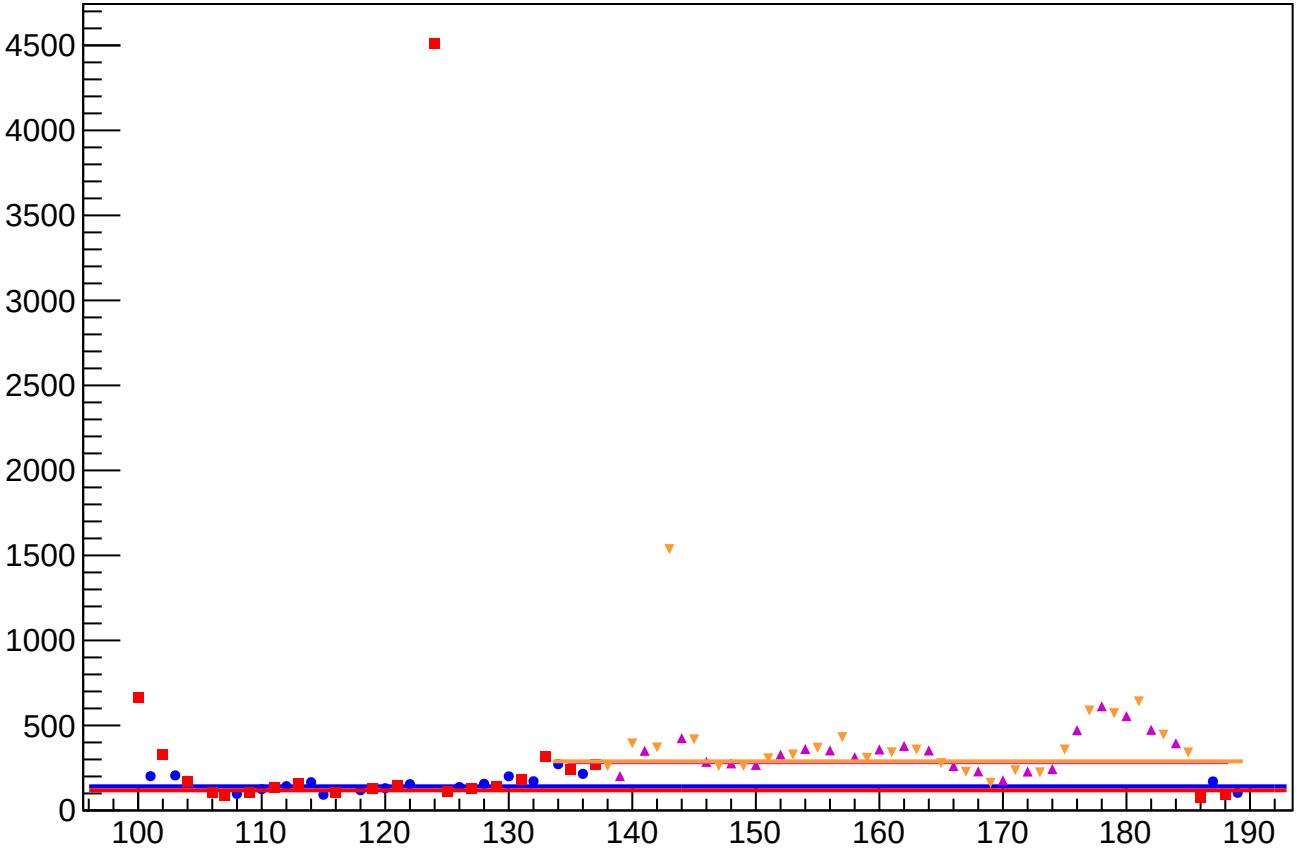
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

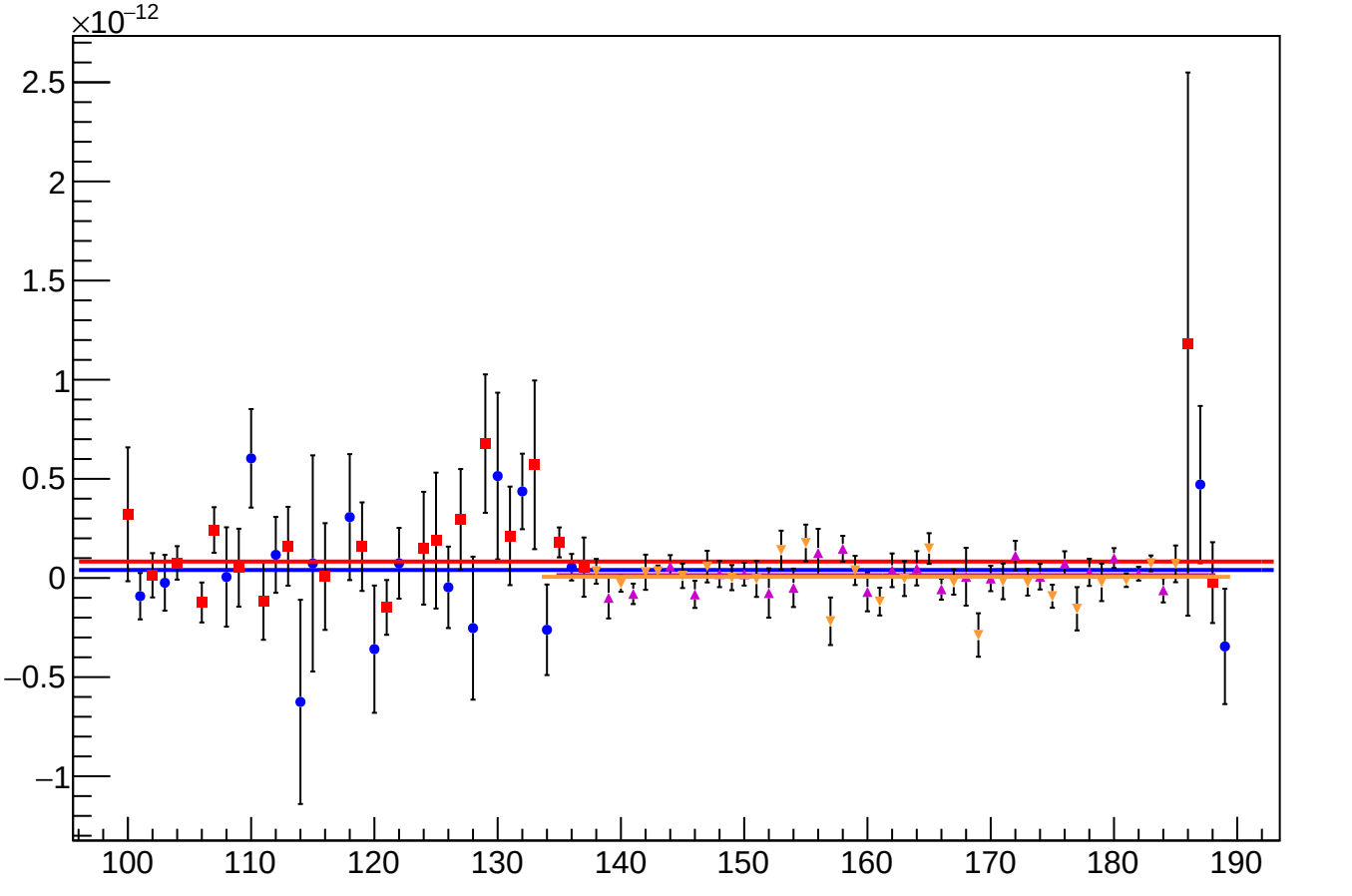
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 128.218+/-0.024 χ^2/NDF: 3521087.1/38

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/20

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

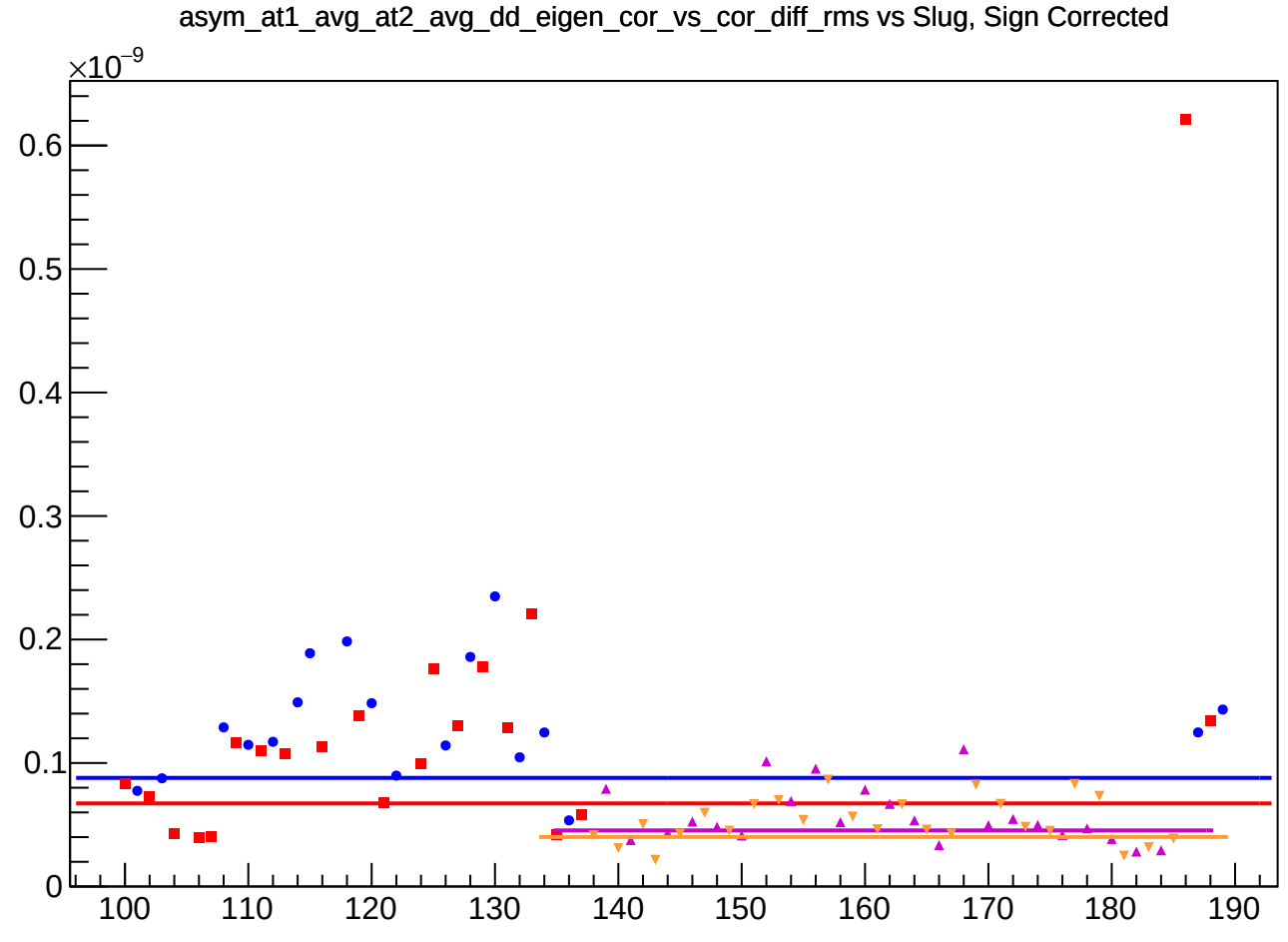
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 41.7/38

In: 0.000+/-0.000 χ^2/NDF:45.5/40

Out: 0.000+/-0.000 χ^2/NDF:57.9/45

All: 0.000+/-0.000 χ^2/NDF: 103.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2710521.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

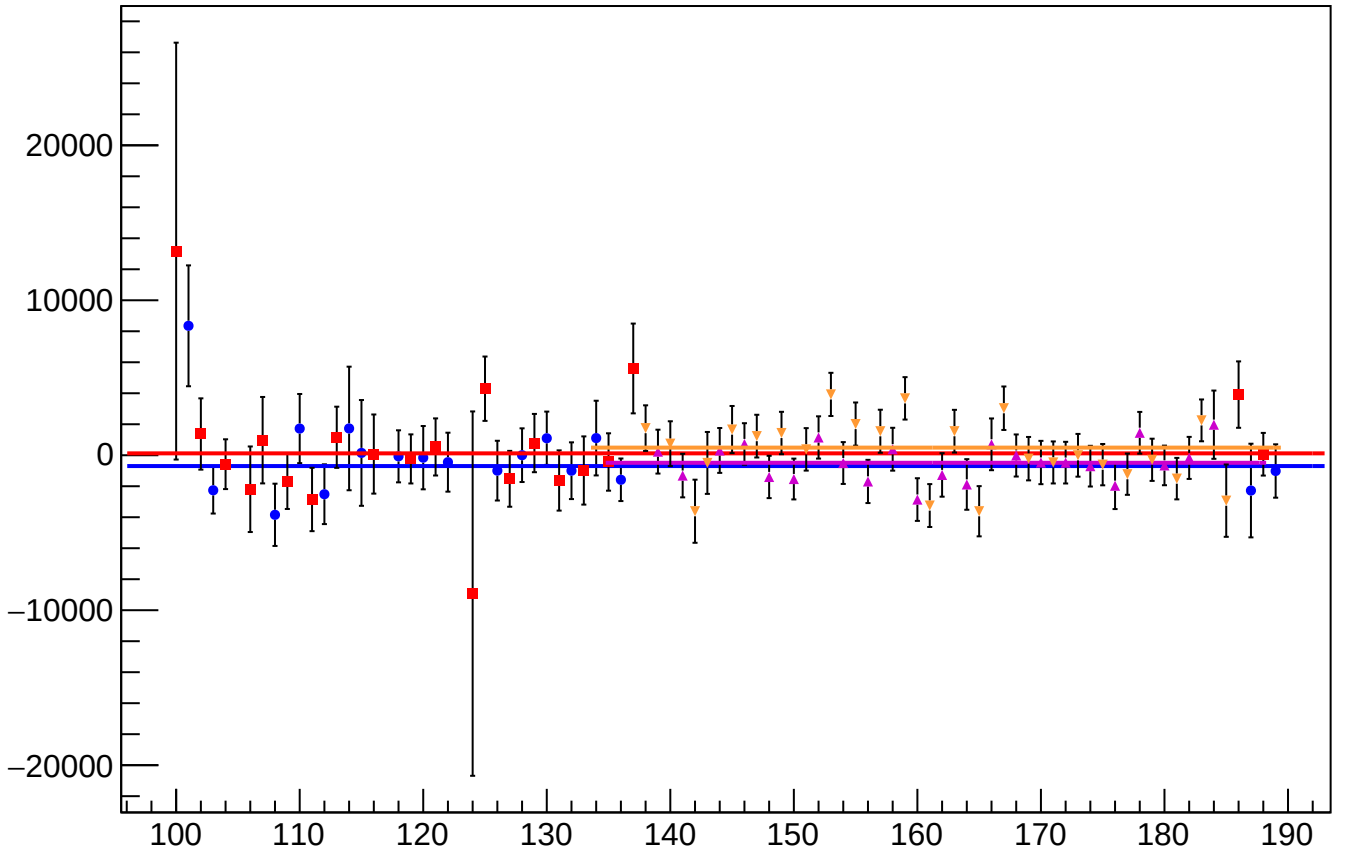
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4662453.8/38

In: 0.000+/-0.000 χ^2/NDF:6290057.1/40

Out: 0.000+/-0.000 χ^2/NDF:7466241.3/45

All: 0.000+/-0.000 χ^2/NDF: 14010851.4/86



Right In: -698.032+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 121.728+/-449.522 χ^2/NDF: 19.2/20

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

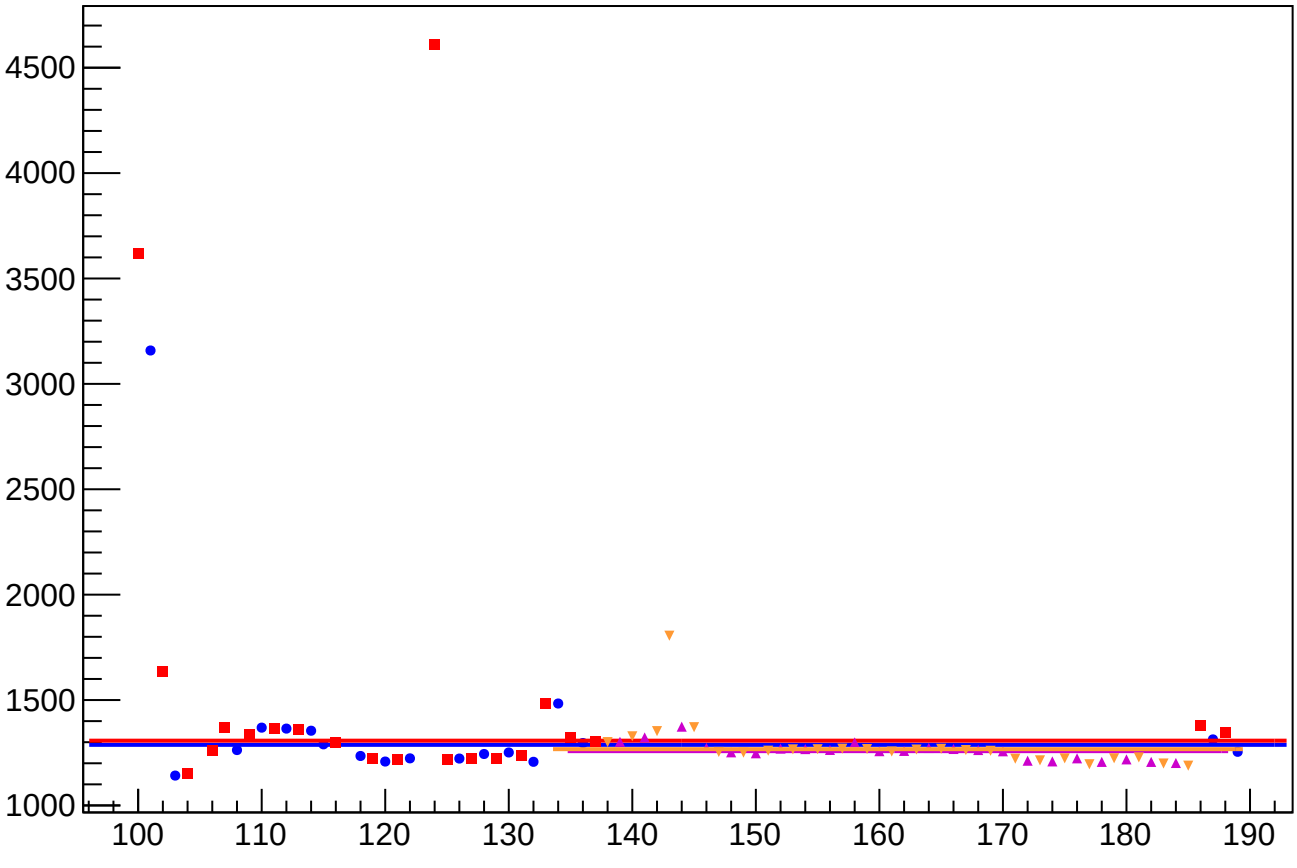
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -274.711+/-323.030 χ^2/NDF: 35.0/38

In: -547.163+/-248.284 χ^2/NDF:28.8/40

Out: 384.026+/-242.794 χ^2/NDF:66.5/45

All: -71.161+/-173.590 χ^2/NDF: 102.5/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515590.8/17

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

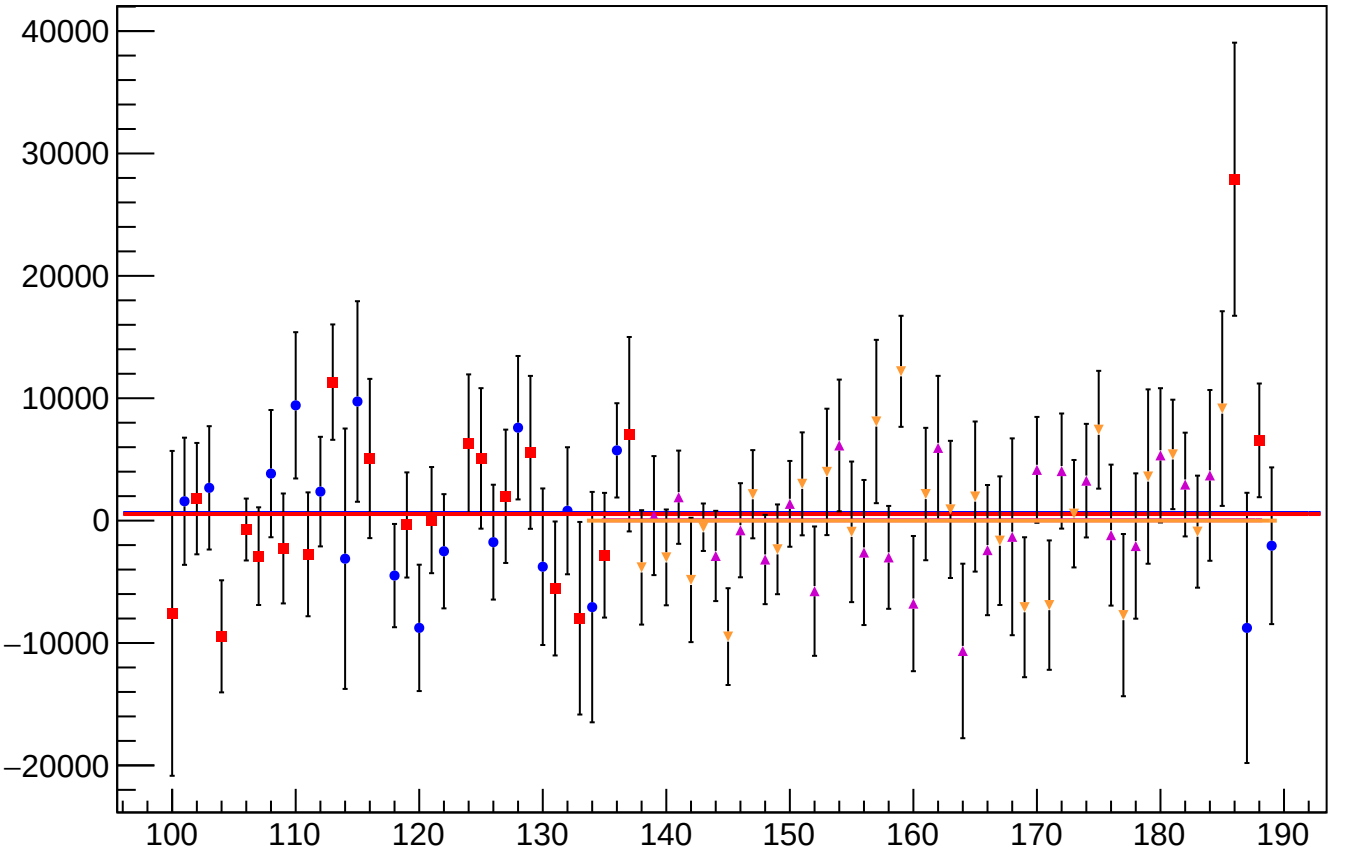
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1297.714+/-0.228 χ^2/NDF: 841324.2/38

In: 1266.101+/-0.176 χ^2/NDF:558336.5/40

Out: 1278.759+/-0.172 χ^2/NDF:522818.3/45

All: 1272.575+/-0.123 χ^2/NDF: 1083813.7/86



Right In: 620.492+/-1288.899 χ^2/NDF: 15.0/17

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

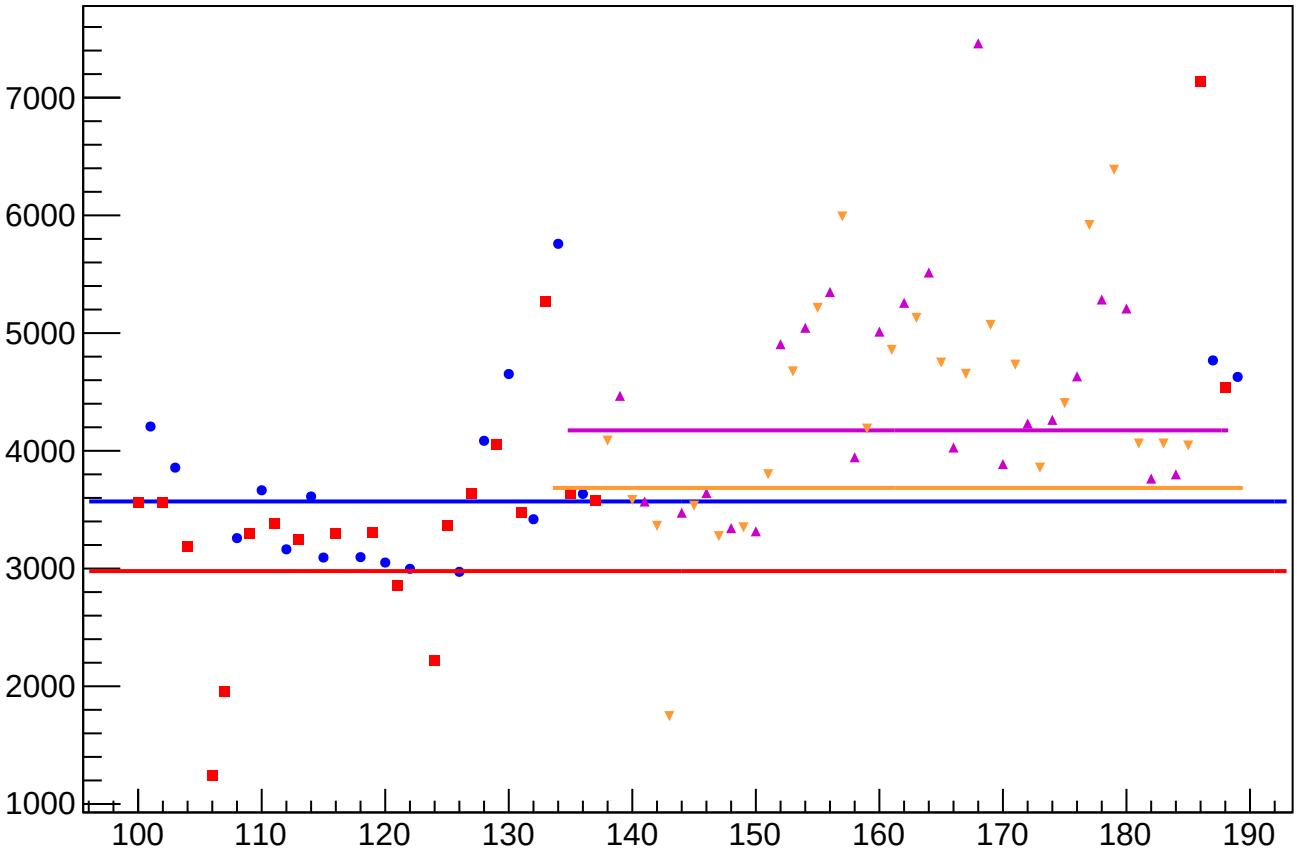
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 572.057+/-825.802 χ^2/NDF: 41.3/38

In: 251.592+/-787.787 χ^2/NDF:29.1/40

Out: 217.406+/-684.078 χ^2/NDF:55.6/45

All: 232.102+/-516.519 χ^2/NDF: 84.7/86



Right In: 3569.977+/-0.911 χ^2/NDF: 436578.6/17

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

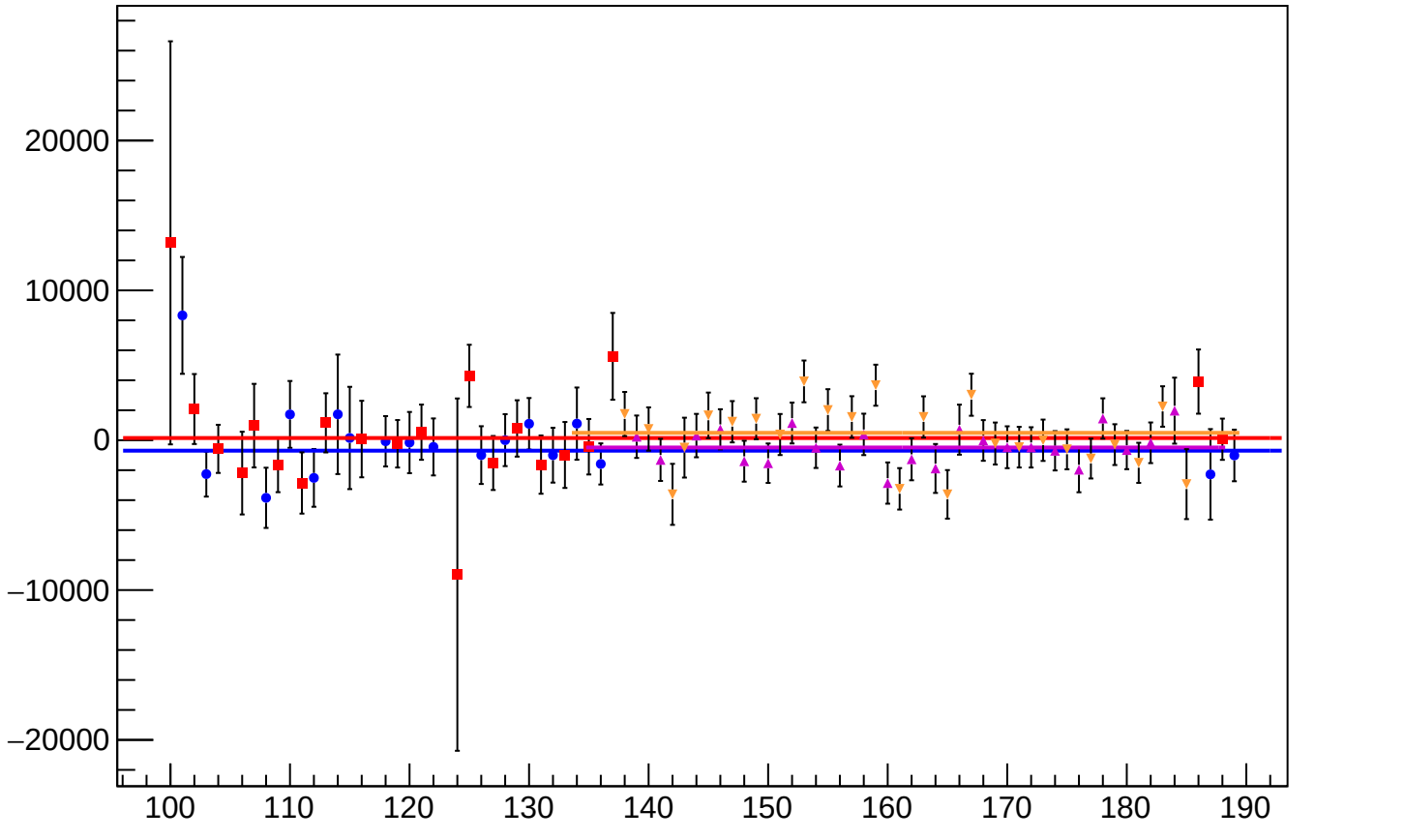
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3221.265+/-0.584 χ^2/NDF: 2716053.4/38

In: 3948.073+/-0.557 χ^2/NDF:1986291.4/40

Out: 3399.042+/-0.484 χ^2/NDF:6238405.2/45

All: 3635.063+/-0.365 χ^2/NDF: 8778514.3/86



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

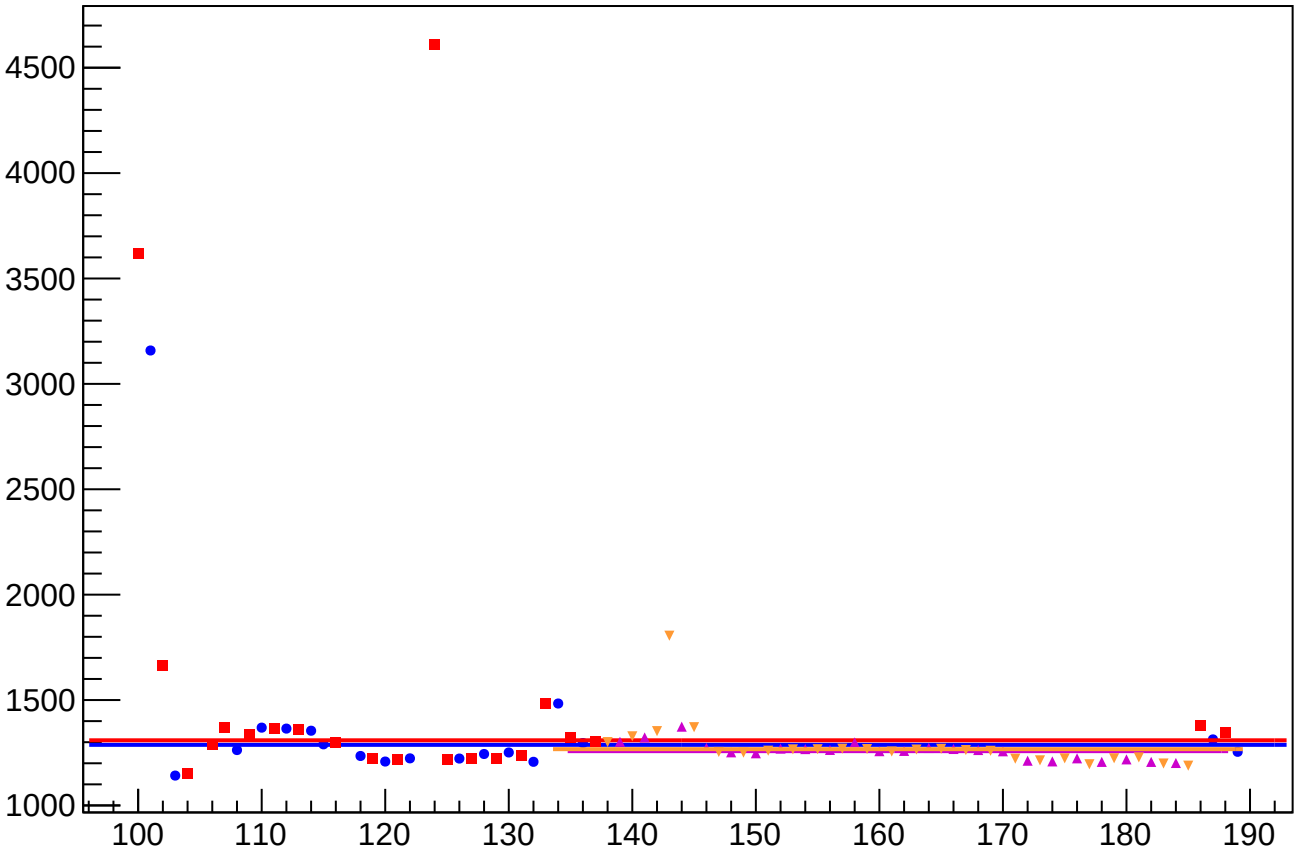
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -262.293+/-323.124 χ^2/NDF: 35.5/38

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -67.501+/-173.604 χ^2/NDF: 103.0/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

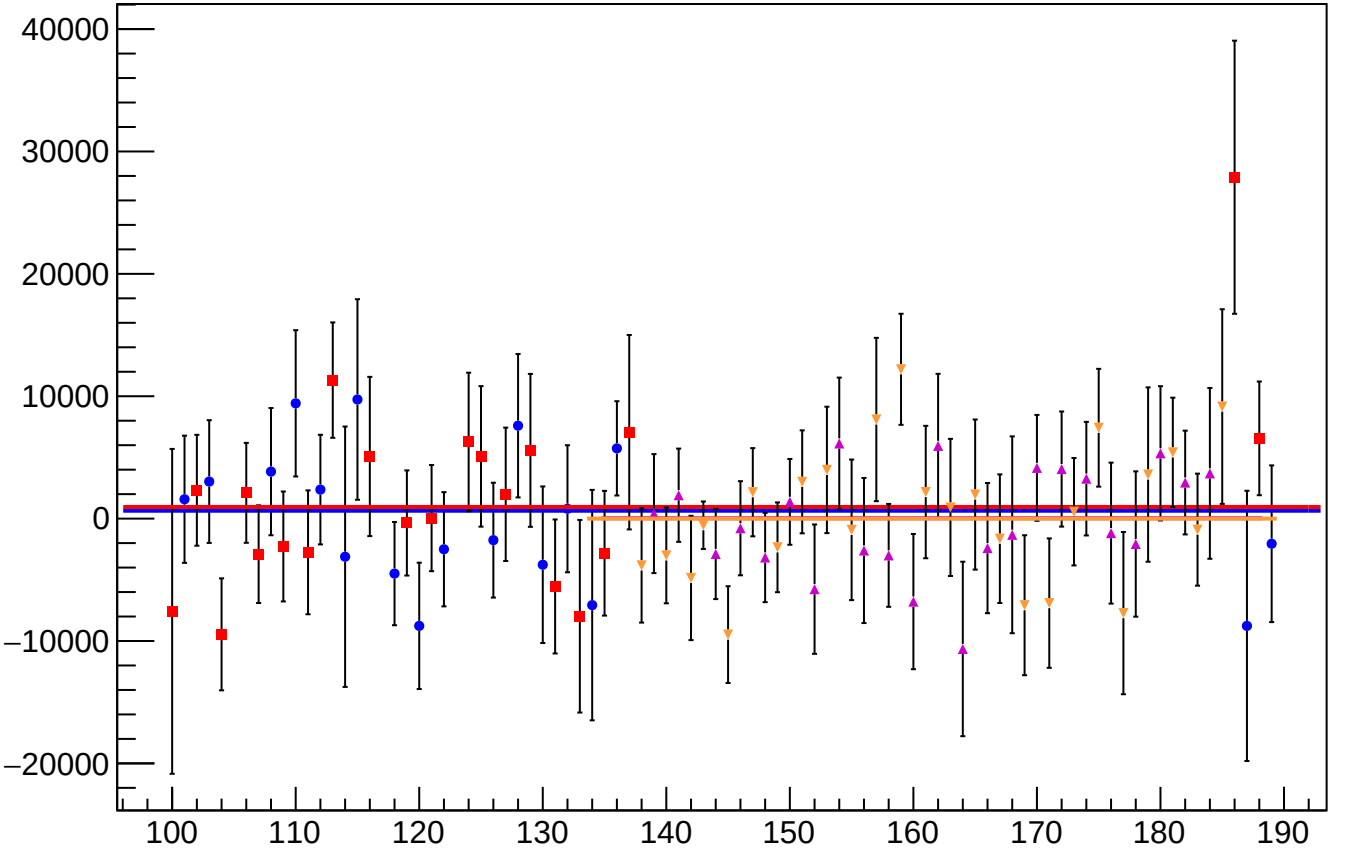
Right: 1298.604+/-0.228 χ^2/NDF: 847910.1/38

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

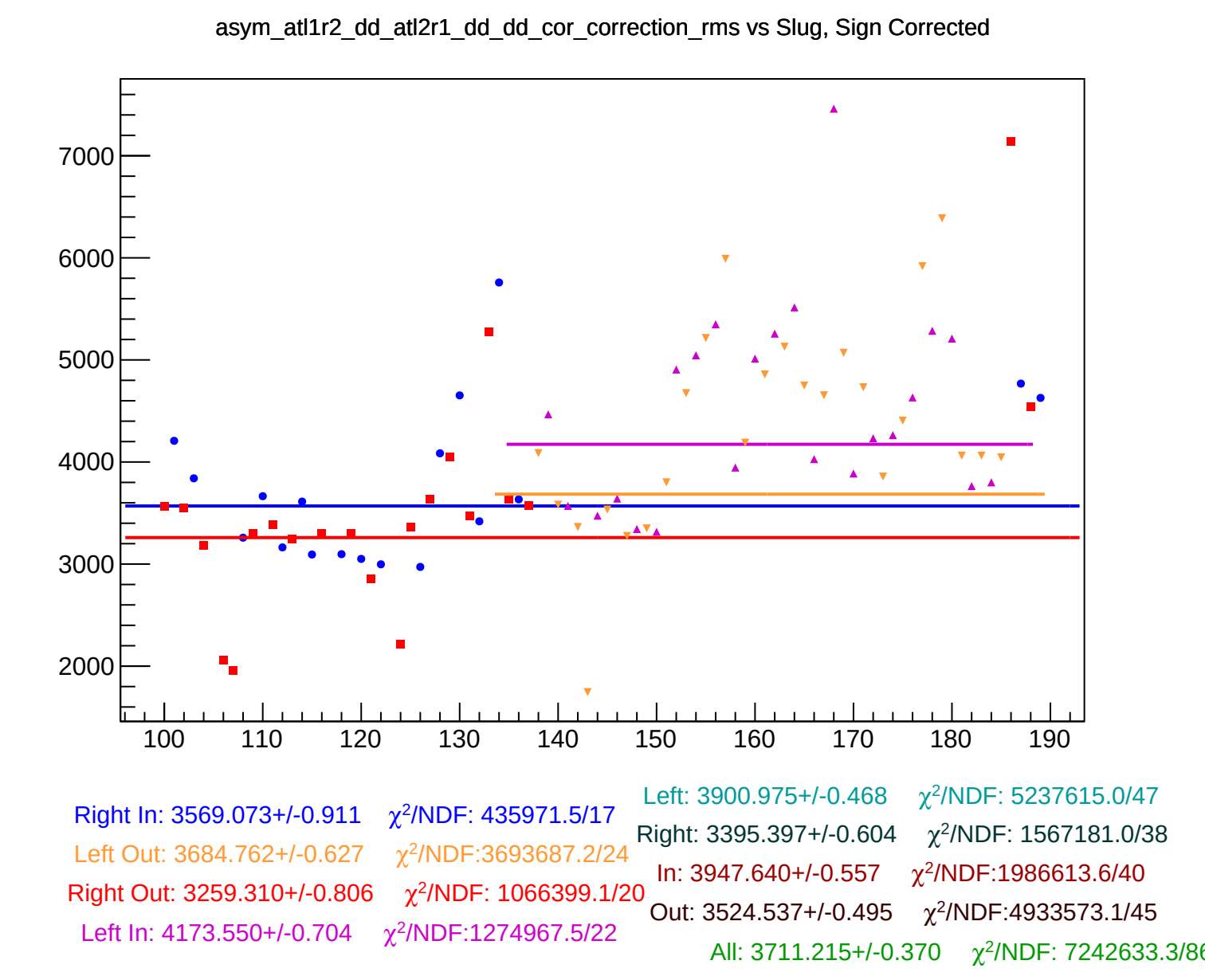
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

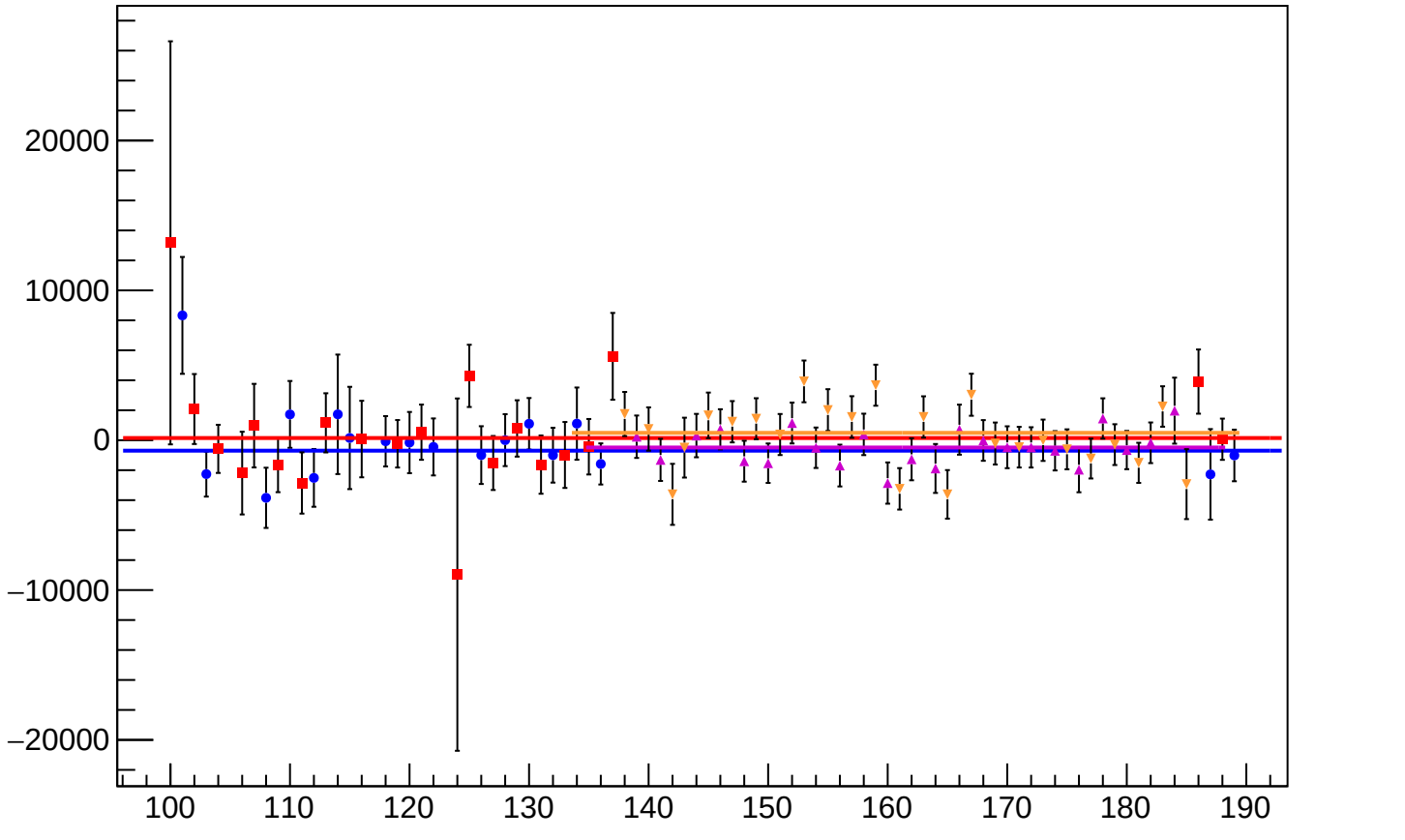
Right: 816.403+/-854.026 χ^2/NDF: 41.3/38

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 314.965+/-523.214 χ^2/NDF: 84.9/86


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3569.073+/-0.911 χ²/NDF: 435971.5/17
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3259.310+/-0.806 χ²/NDF: 1066399.1/20
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3395.397+/-0.604 χ²/NDF: 1567181.0/38
In: 3947.640+/-0.557 χ²/NDF:1986613.6/40
Out: 3524.537+/-0.495 χ²/NDF:4933573.1/45
All: 3711.215+/-0.370 χ²/NDF: 7242633.3/86



Right In: -698.399+/-464.513 χ^2/NDF: 14.2/17

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

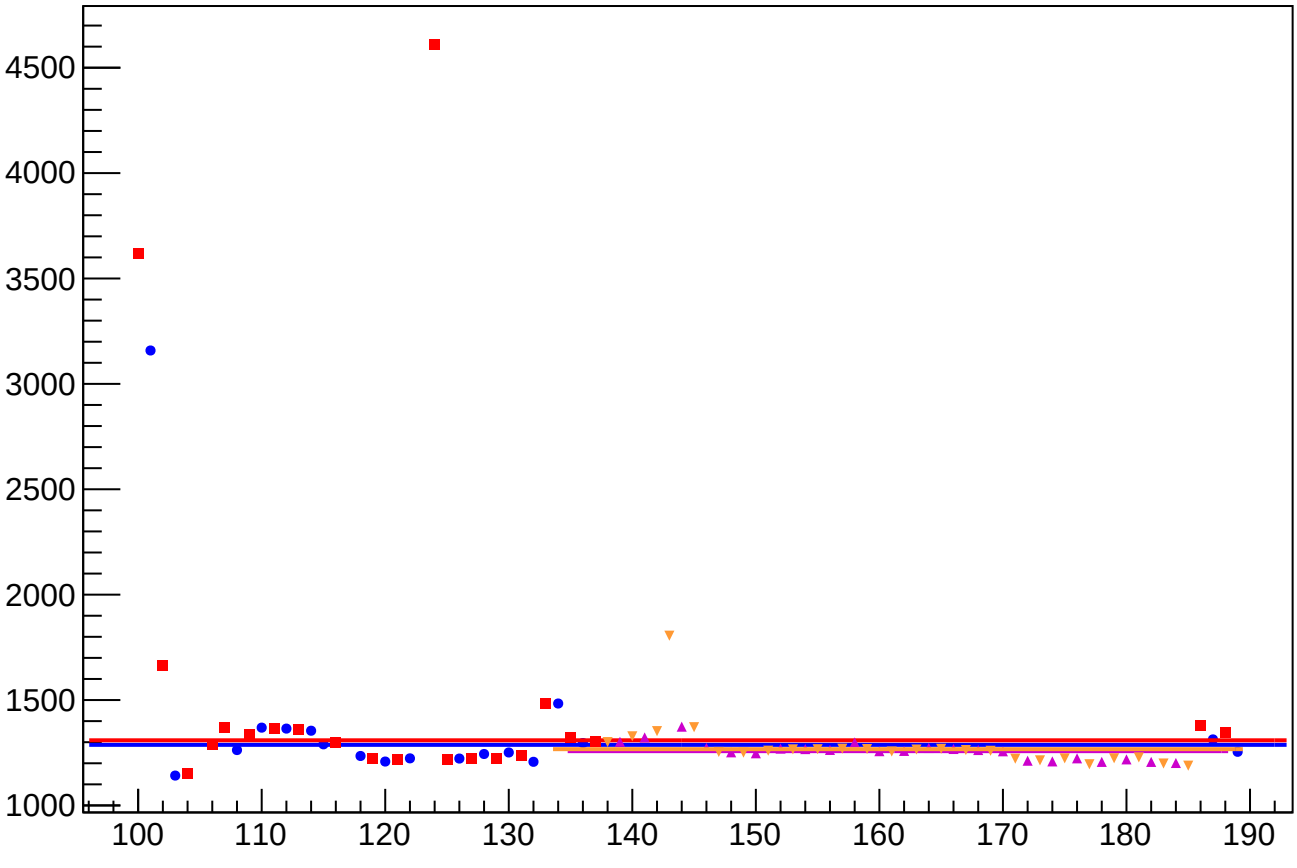
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -262.293+/-323.124 χ^2/NDF: 35.5/38

In: -547.196+/-248.284 χ^2/NDF:28.8/40

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -67.501+/-173.604 χ^2/NDF: 103.0/86



Right In: 1287.477+/-0.328 χ^2/NDF: 515592.2/17

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

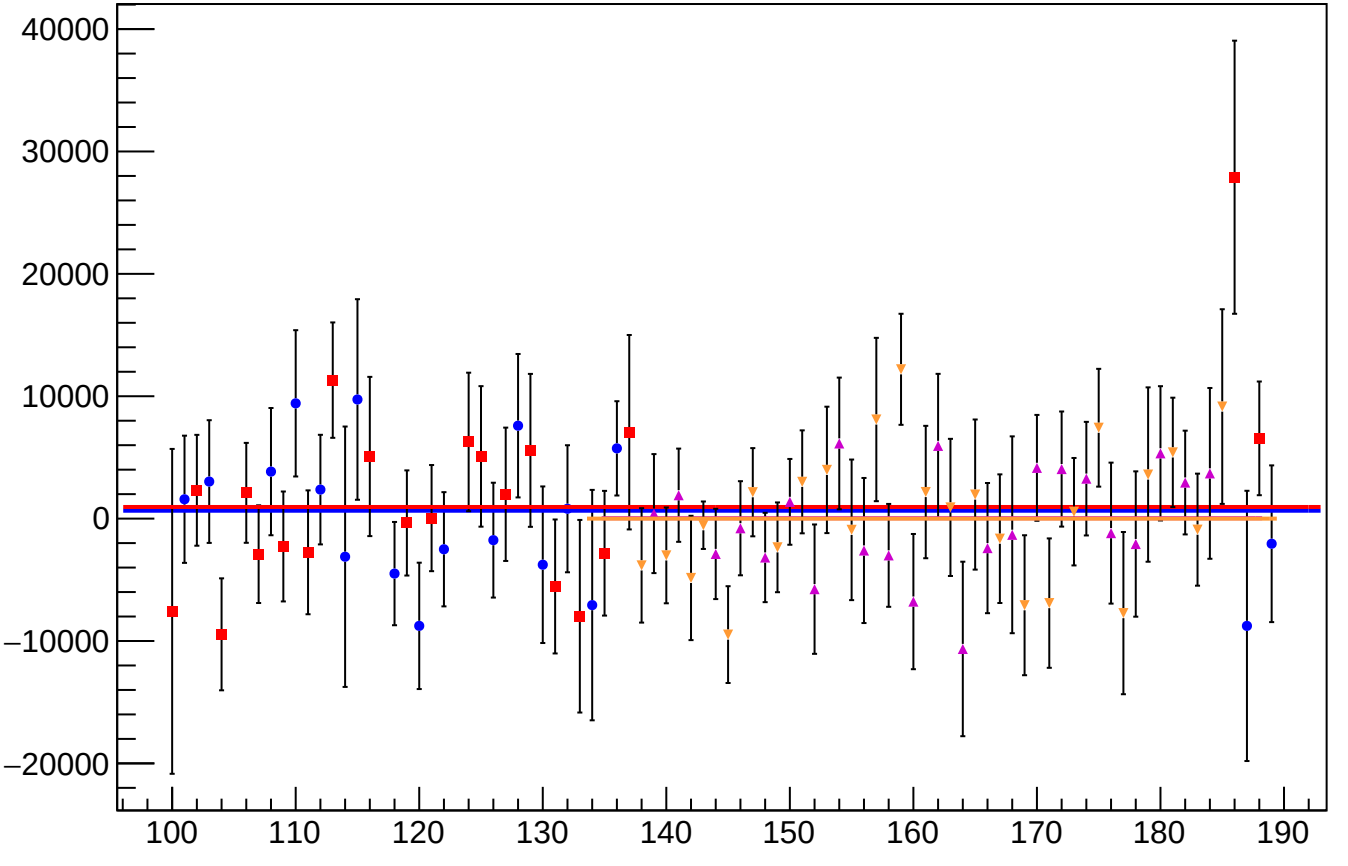
Right: 1298.604+/-0.228 χ^2/NDF: 847910.1/38

In: 1266.101+/-0.176 χ^2/NDF:558337.9/40

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1272.823+/-0.123 χ^2/NDF: 1091253.6/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 644.987+/-1288.480 χ^2/NDF: 15.0/17

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

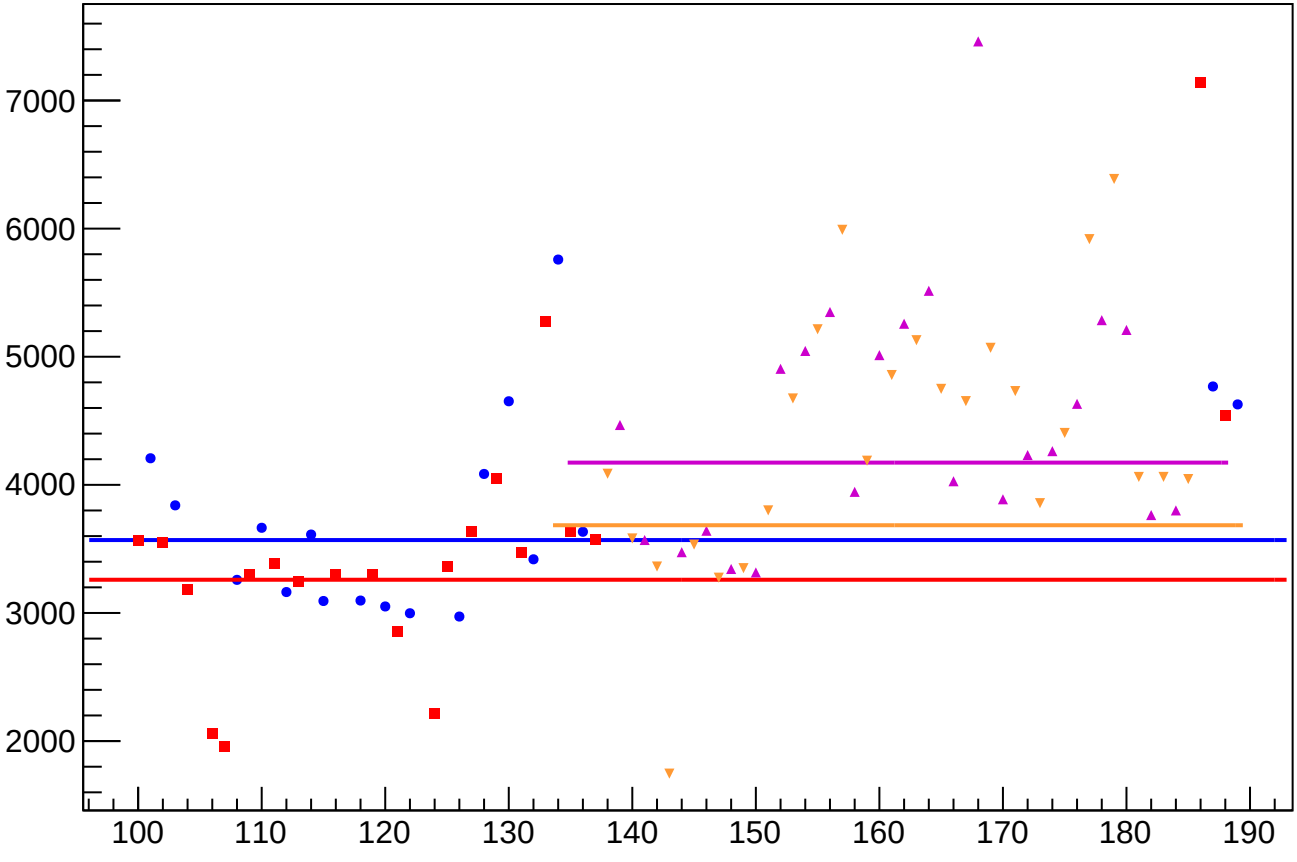
Right: 816.403+/-854.026 χ^2/NDF: 41.3/38

In: 260.838+/-787.691 χ^2/NDF:29.2/40

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 314.965+/-523.214 χ^2/NDF: 84.9/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3569.073+/-0.911 χ^2/NDF: 435971.5/17

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

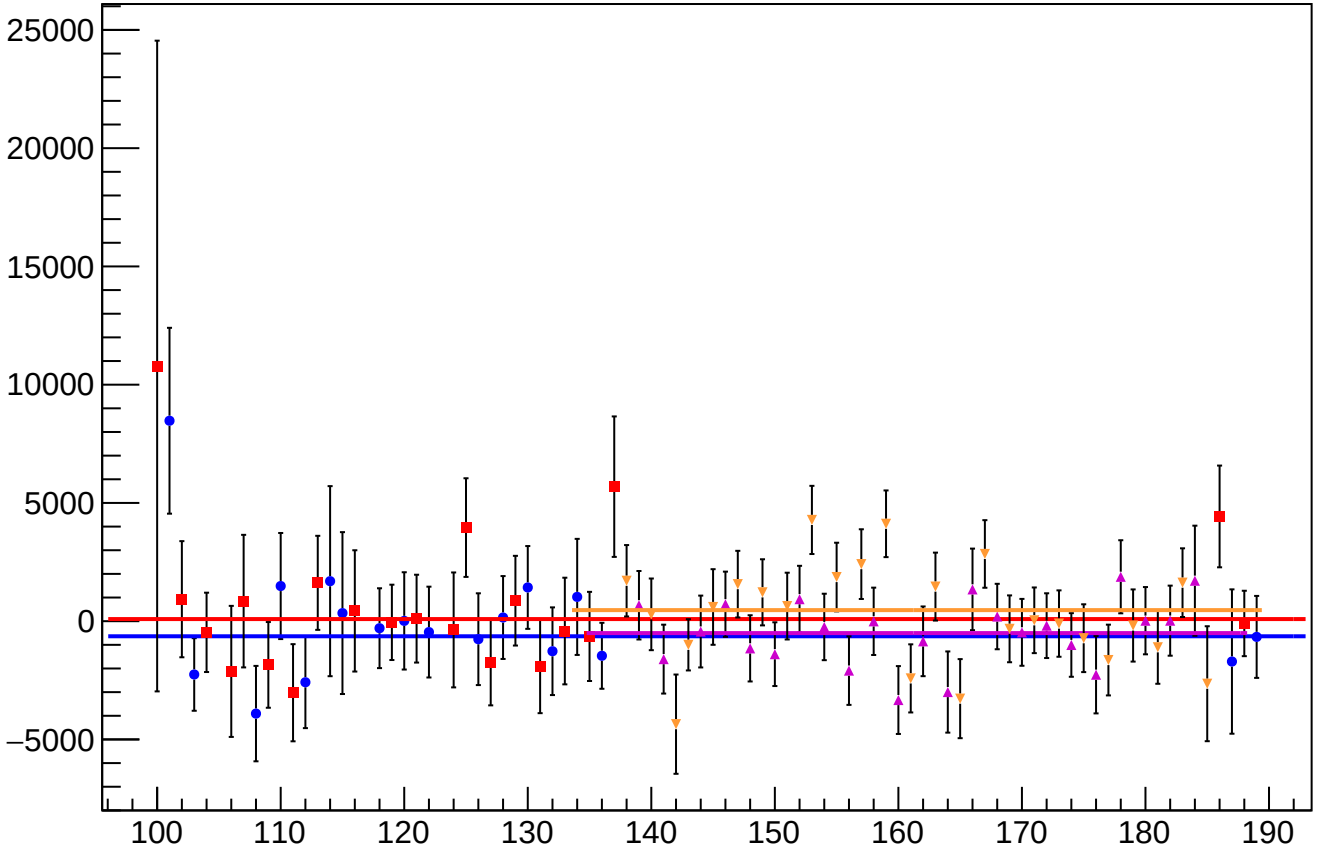
Right: 3395.397+/-0.604 χ^2/NDF: 1567181.0/38

In: 3947.640+/-0.557 χ^2/NDF:1986613.6/40

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3711.215+/-0.370 χ^2/NDF: 7242633.3/86

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -637.990+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.620+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

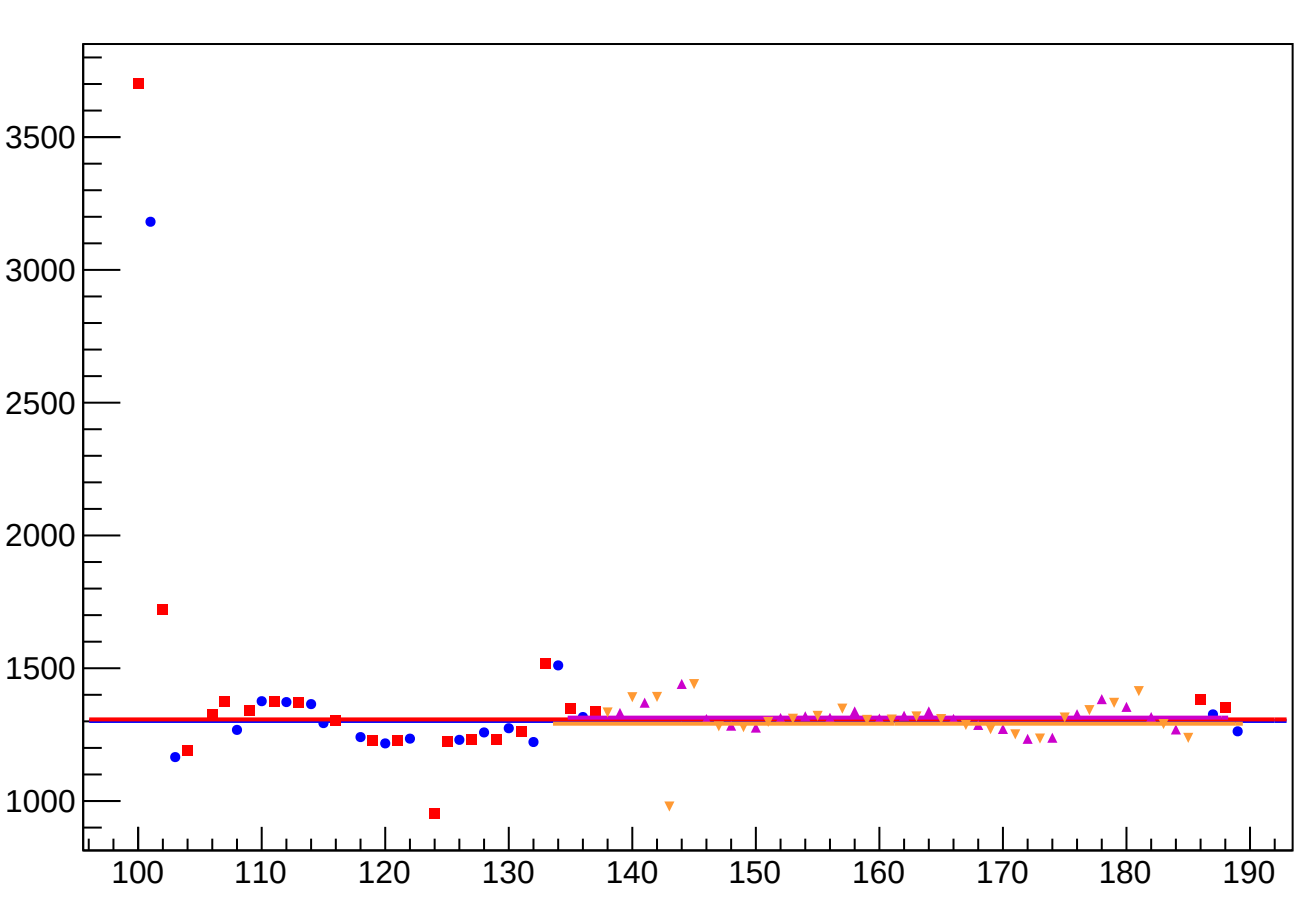
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -257.149+/-324.174 χ^2/NDF: 34.6/38

In: -543.823+/-256.990 χ^2/NDF:31.7/40

Out: 353.938+/-245.961 χ^2/NDF:63.7/45

All: -75.266+/-177.692 χ^2/NDF: 101.8/86



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.7/17

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

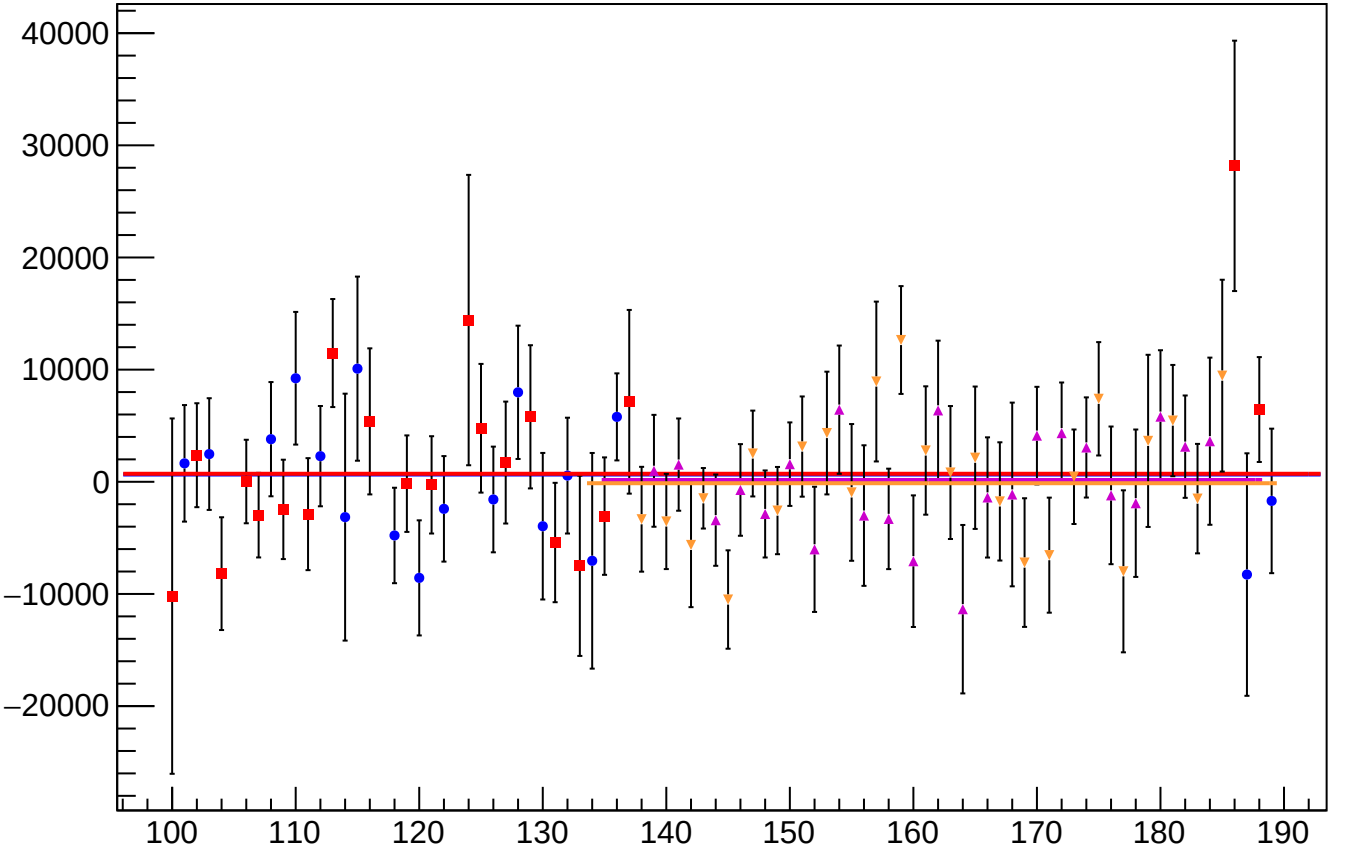
Right: 1304.584+/-0.229 χ^2/NDF: 730530.2/38

In: 1310.282+/-0.182 χ^2/NDF:555816.7/40

Out: 1296.070+/-0.174 χ^2/NDF:451127.0/45

All: 1302.863+/-0.126 χ^2/NDF: 1010136.4/86

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 649.628+/-1290.787 χ^2/NDF: 15.0/17

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

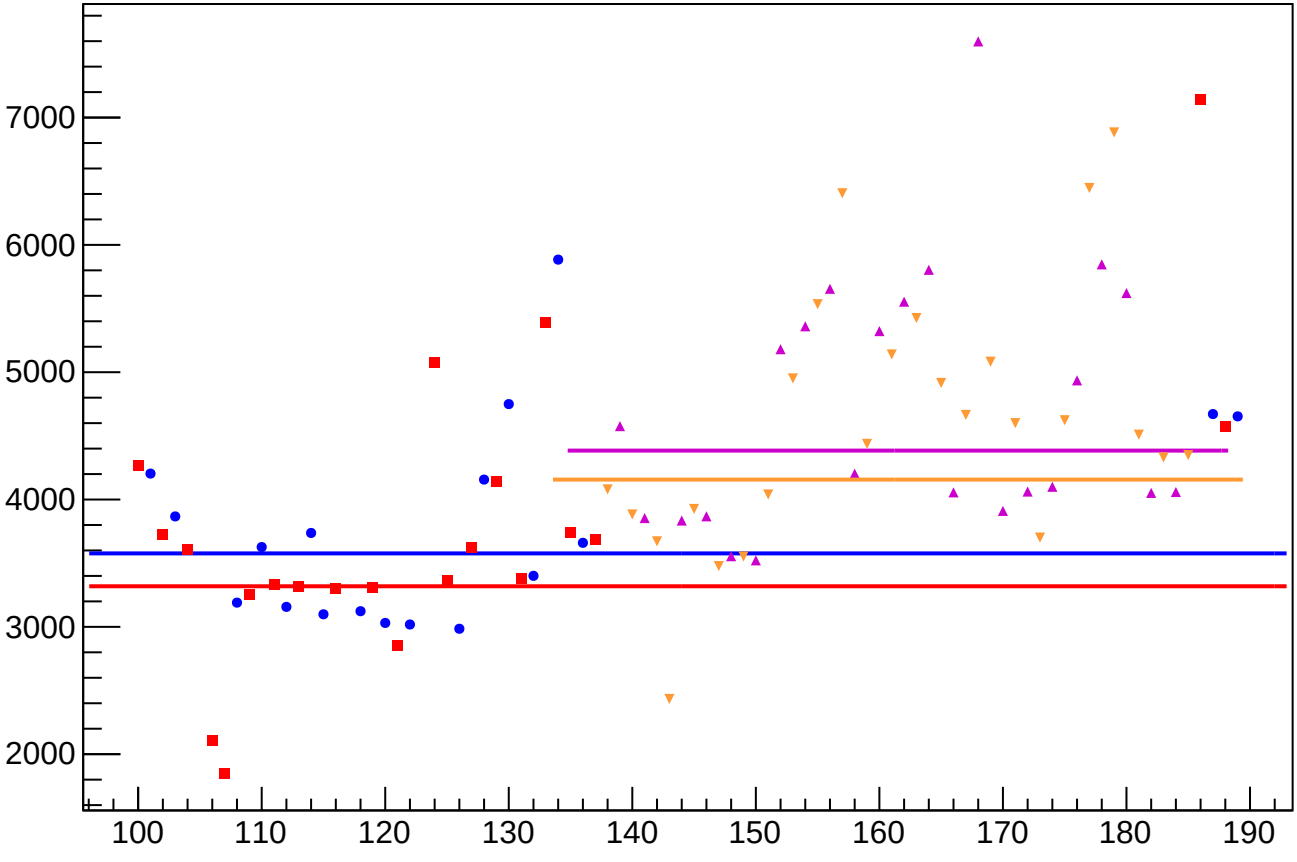
Right: 685.997+/-861.178 χ^2/NDF: 39.7/38

In: 353.640+/-812.436 χ^2/NDF:28.8/40

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 283.228+/-549.619 χ^2/NDF: 82.4/86

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3576.938+/-0.913 χ^2/NDF: 455785.3/17

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

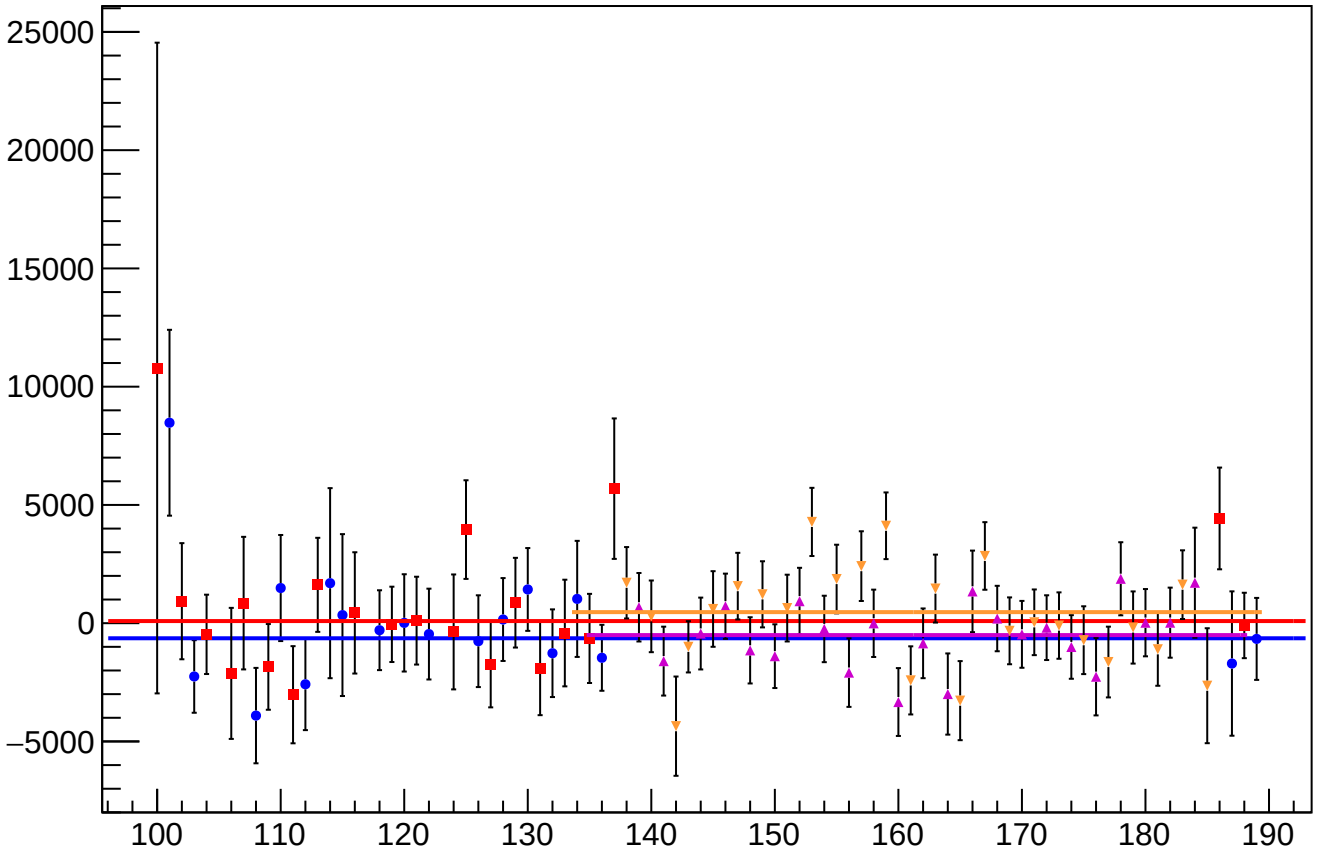
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3433.701+/-0.609 χ^2/NDF: 1672514.8/38

In: 4064.470+/-0.574 χ^2/NDF:2183758.6/40

Out: 3807.441+/-0.528 χ^2/NDF:3865698.8/45

All: 3925.074+/-0.389 χ^2/NDF: 6158021.3/86



Right In: -637.994+/-469.578 χ^2/NDF: 14.2/17

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.613+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

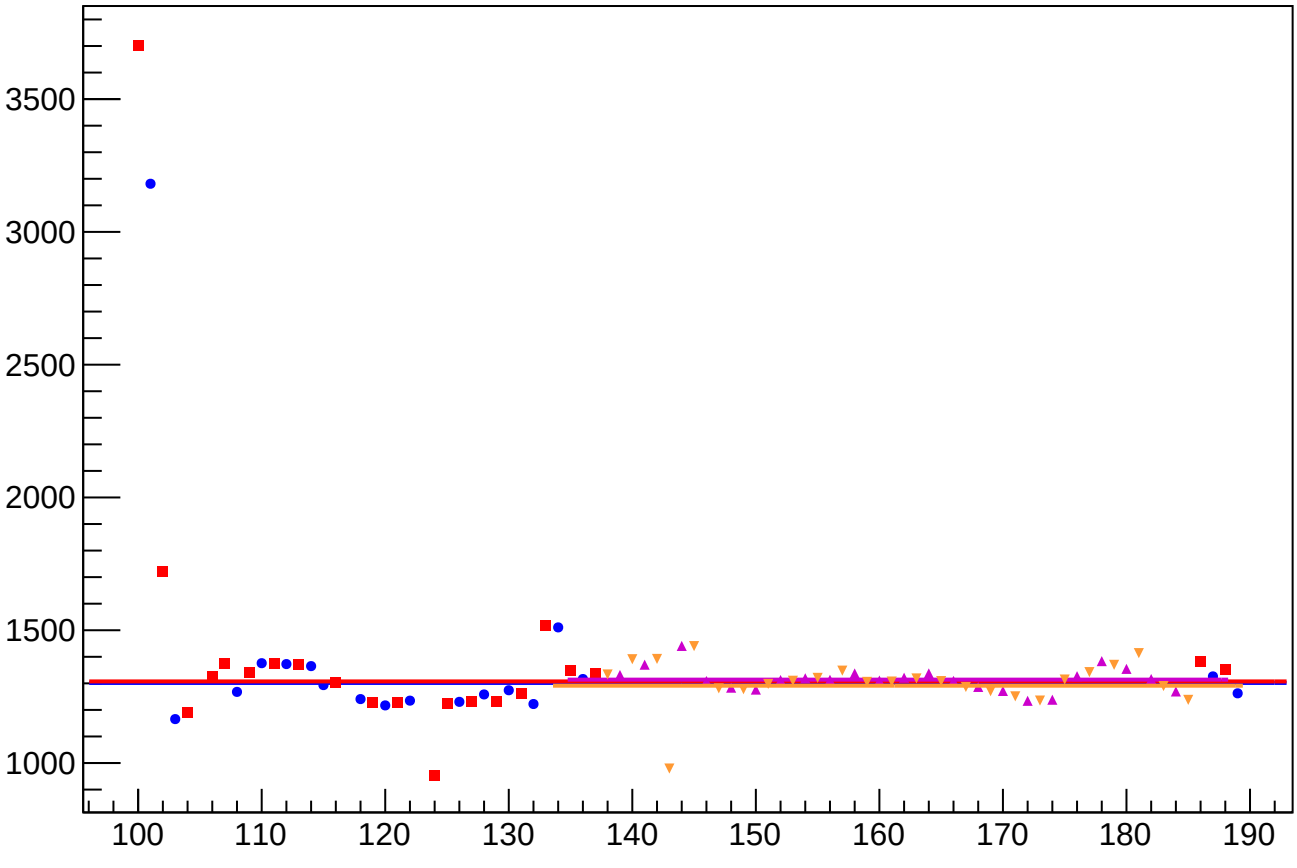
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -257.154+/-324.174 χ^2/NDF: 34.6/38

In: -543.824+/-256.990 χ^2/NDF:31.7/40

Out: 353.939+/-245.962 χ^2/NDF:63.7/45

All: -75.266+/-177.692 χ^2/NDF: 101.8/86



Right In: 1301.572+/-0.332 χ^2/NDF: 511789.8/17

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

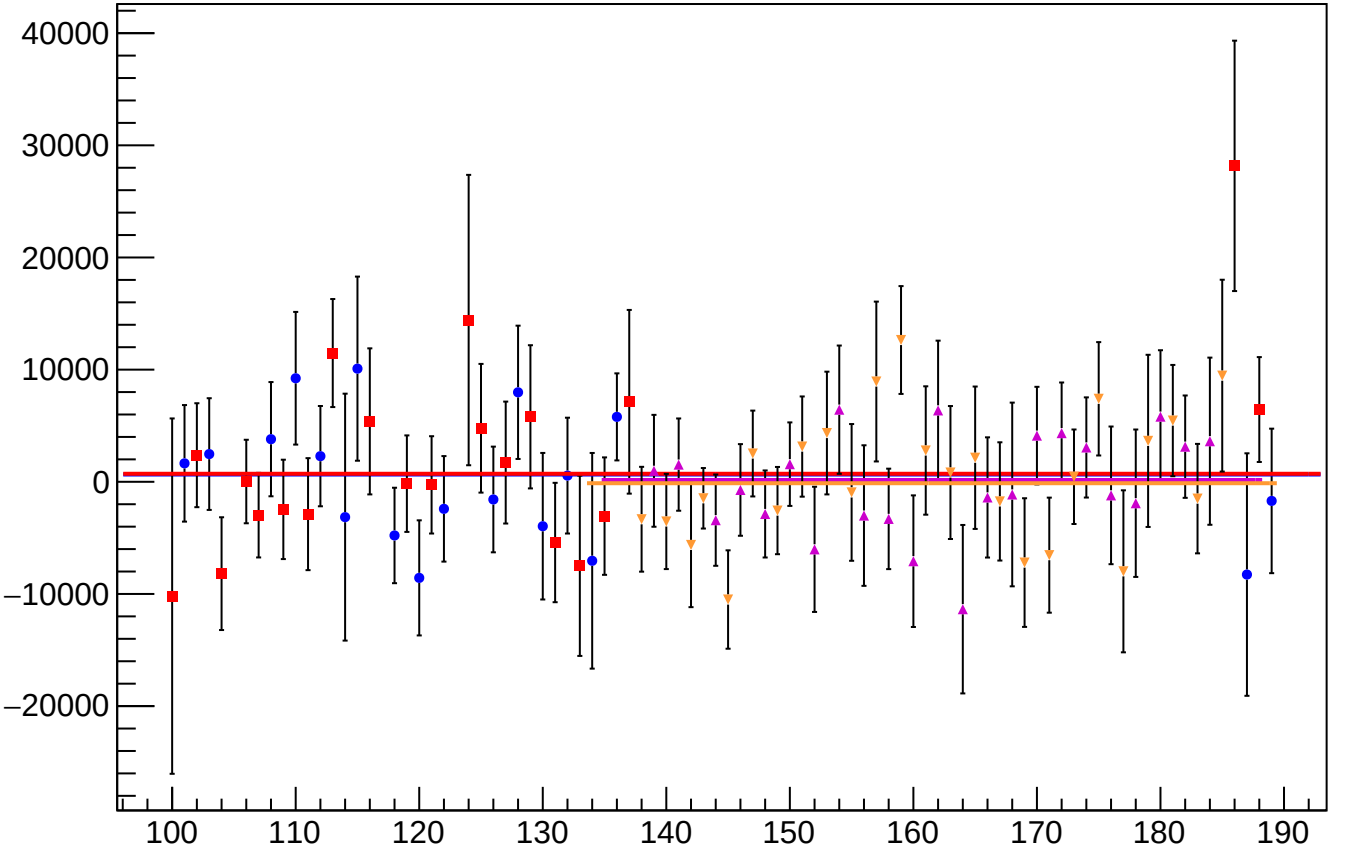
Right: 1304.584+/-0.229 χ^2/NDF: 730530.4/38

In: 1310.282+/-0.182 χ^2/NDF:555819.2/40

Out: 1296.071+/-0.174 χ^2/NDF:451129.2/45

All: 1302.864+/-0.126 χ^2/NDF: 1010141.1/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 649.619+/-1290.784 χ^2/NDF: 15.0/17

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

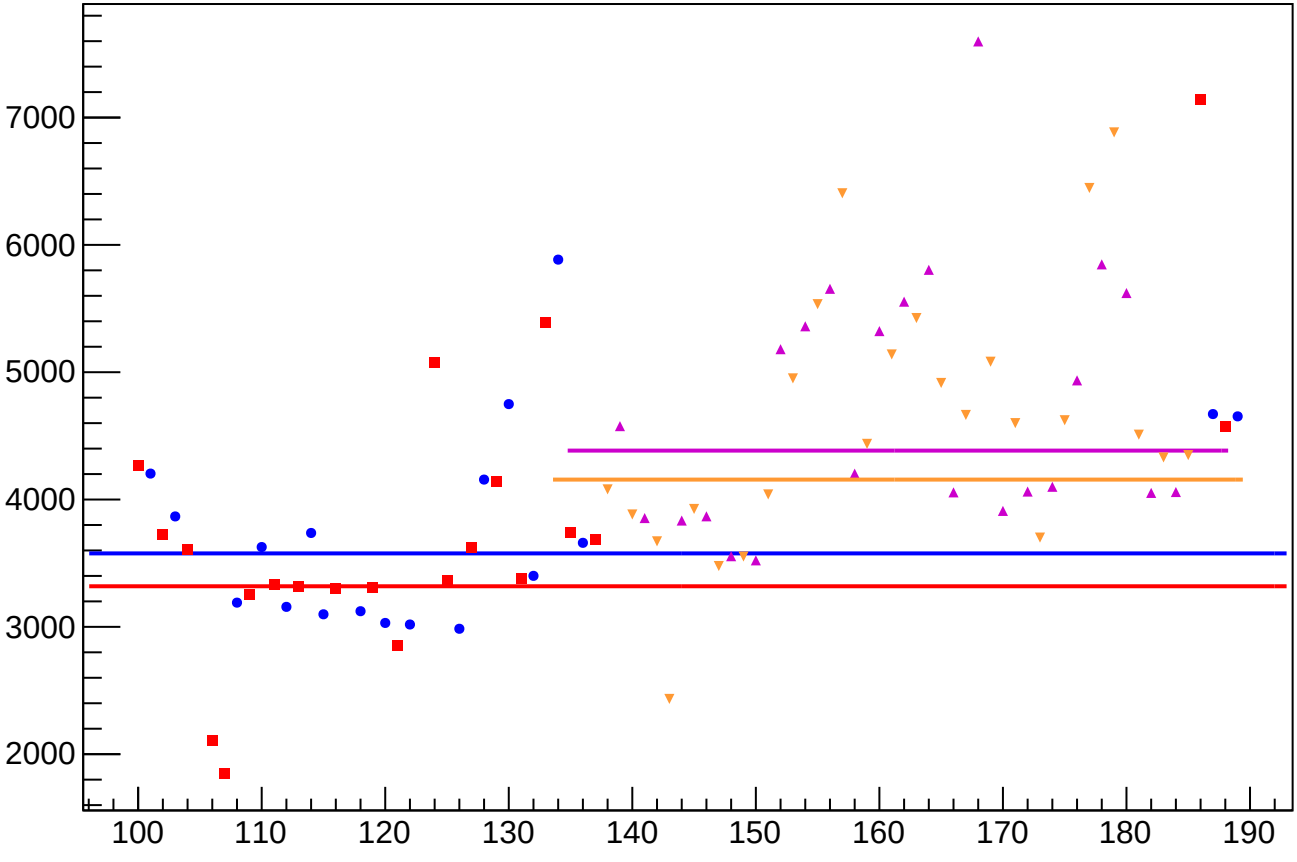
Right: 685.989+/-861.176 χ^2/NDF: 39.7/38

In: 353.638+/-812.436 χ^2/NDF:28.8/40

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 283.227+/-549.619 χ^2/NDF: 82.4/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3576.930+/-0.913 χ^2/NDF: 455791.5/17

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

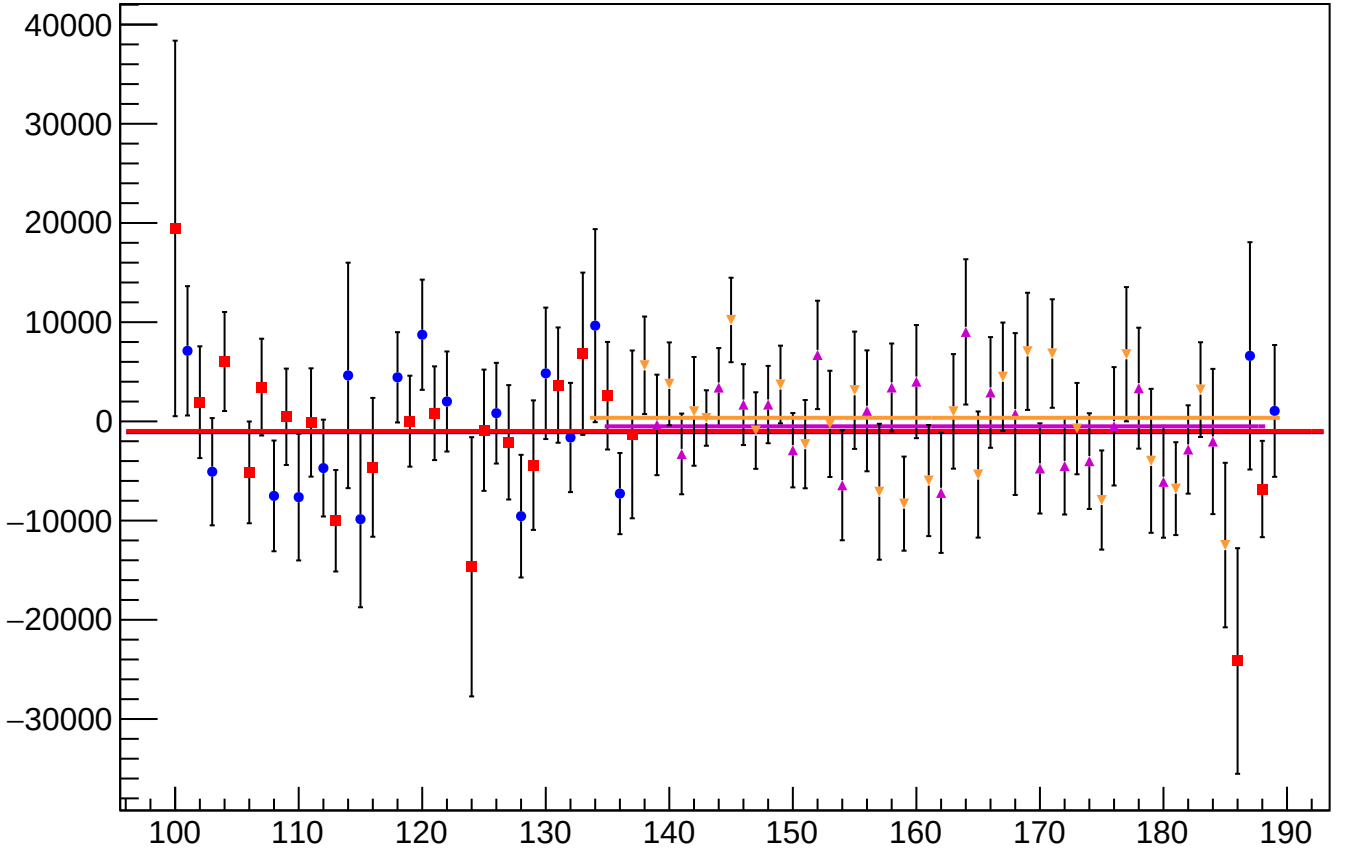
Right: 3433.693+/-0.609 χ^2/NDF: 1672526.6/38

In: 4064.469+/-0.574 χ^2/NDF:2183787.7/40

Out: 3807.440+/-0.528 χ^2/NDF:3865728.8/45

All: 3925.073+/-0.389 χ^2/NDF: 6158080.4/86

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -1089.614+/-1389.186 χ^2/NDF: 18.2/17

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -964.766+/-1280.004 χ^2/NDF: 17.6/20

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

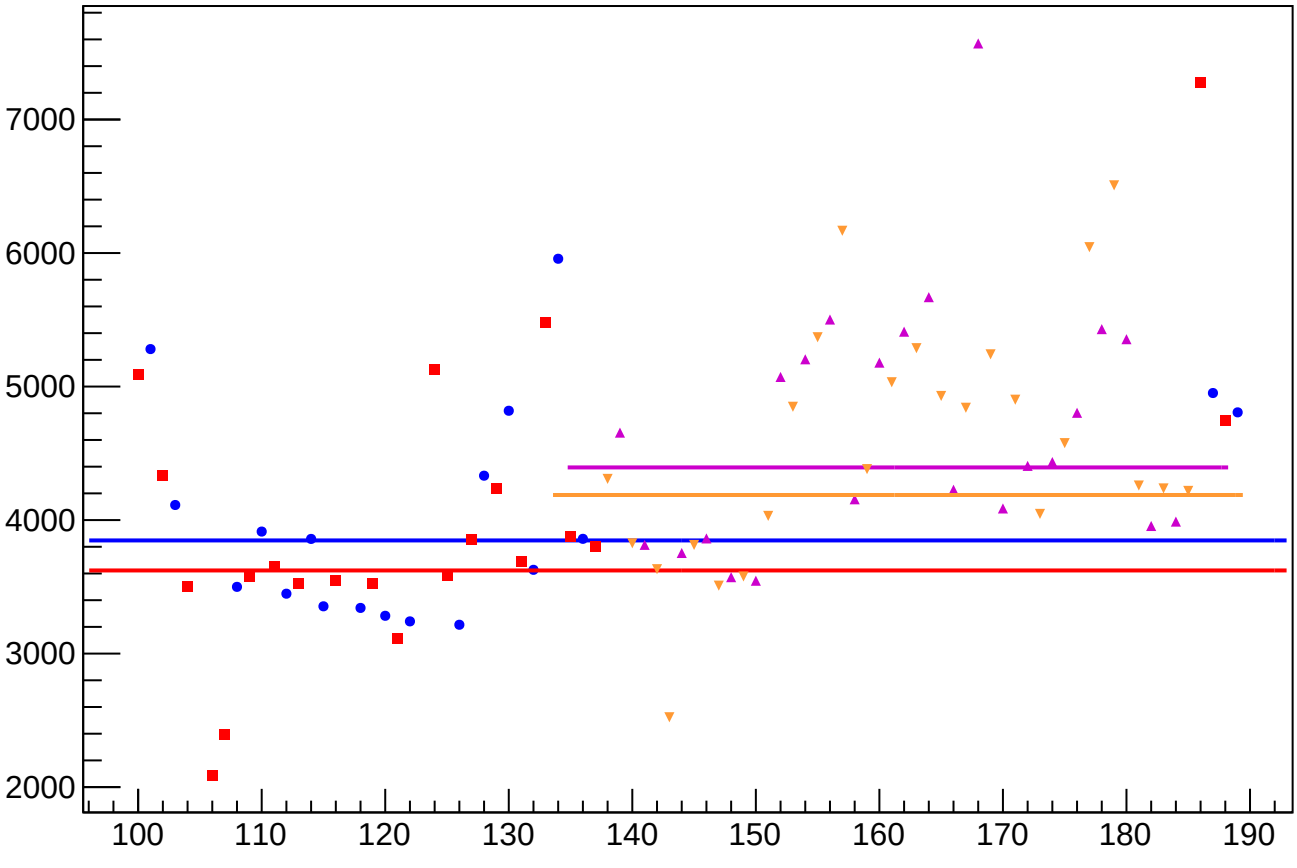
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1022.092+/-941.335 χ^2/NDF: 35.7/38

In: -711.413+/-834.952 χ^2/NDF:32.2/40

Out: -127.890+/-778.056 χ^2/NDF:45.9/45

All: -399.095+/-569.221 χ^2/NDF: 78.3/86



Right In: 3847.536+/-0.982 χ^2/NDF: 446964.5/17

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

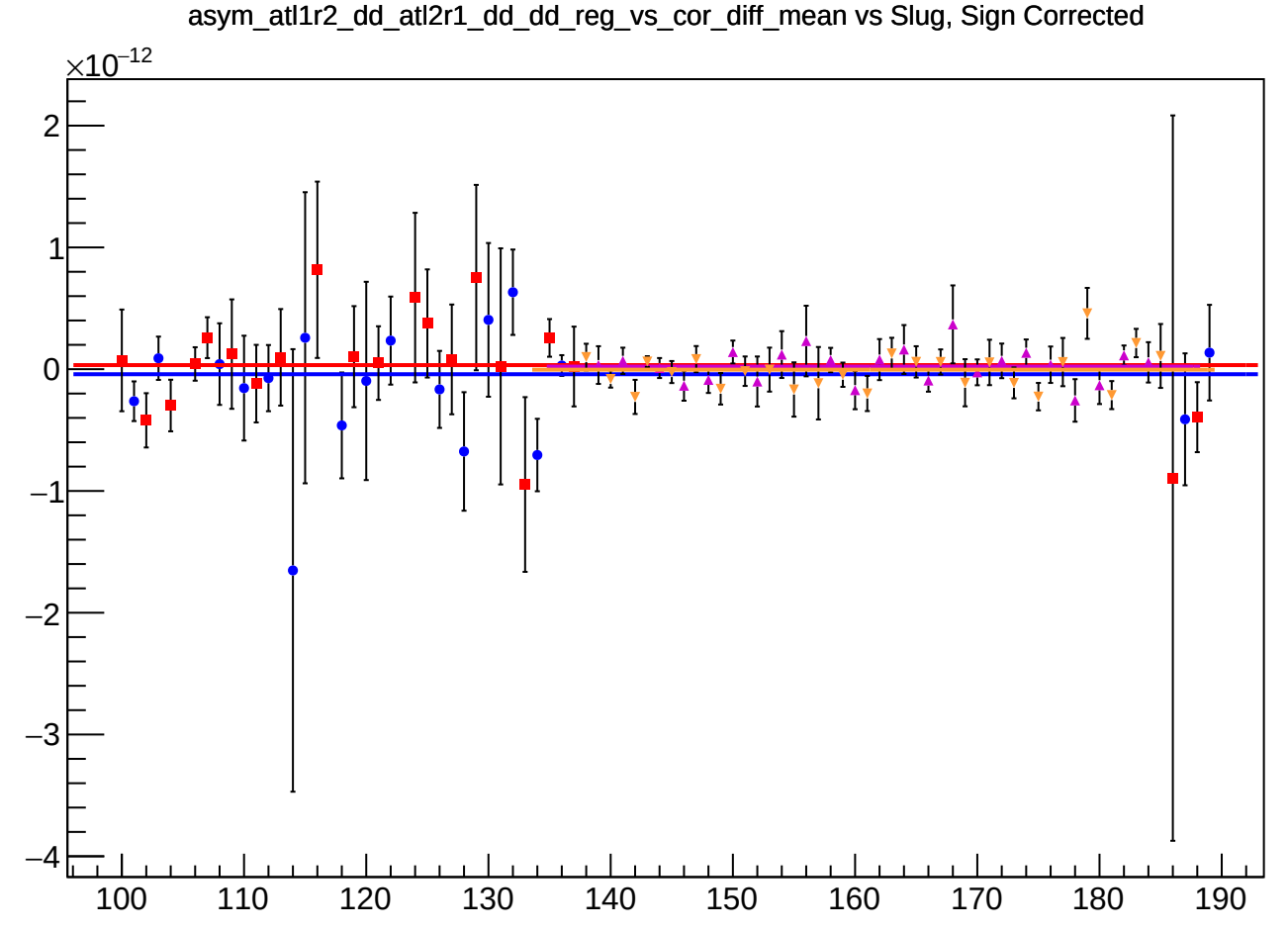
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 3724.527+/-0.661 χ^2/NDF: 1396771.6/38

In: 4196.797+/-0.590 χ^2/NDF:1733277.9/40

Out: 3975.698+/-0.548 χ^2/NDF:2967242.7/45

All: 4077.943+/-0.401 χ^2/NDF: 4775910.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

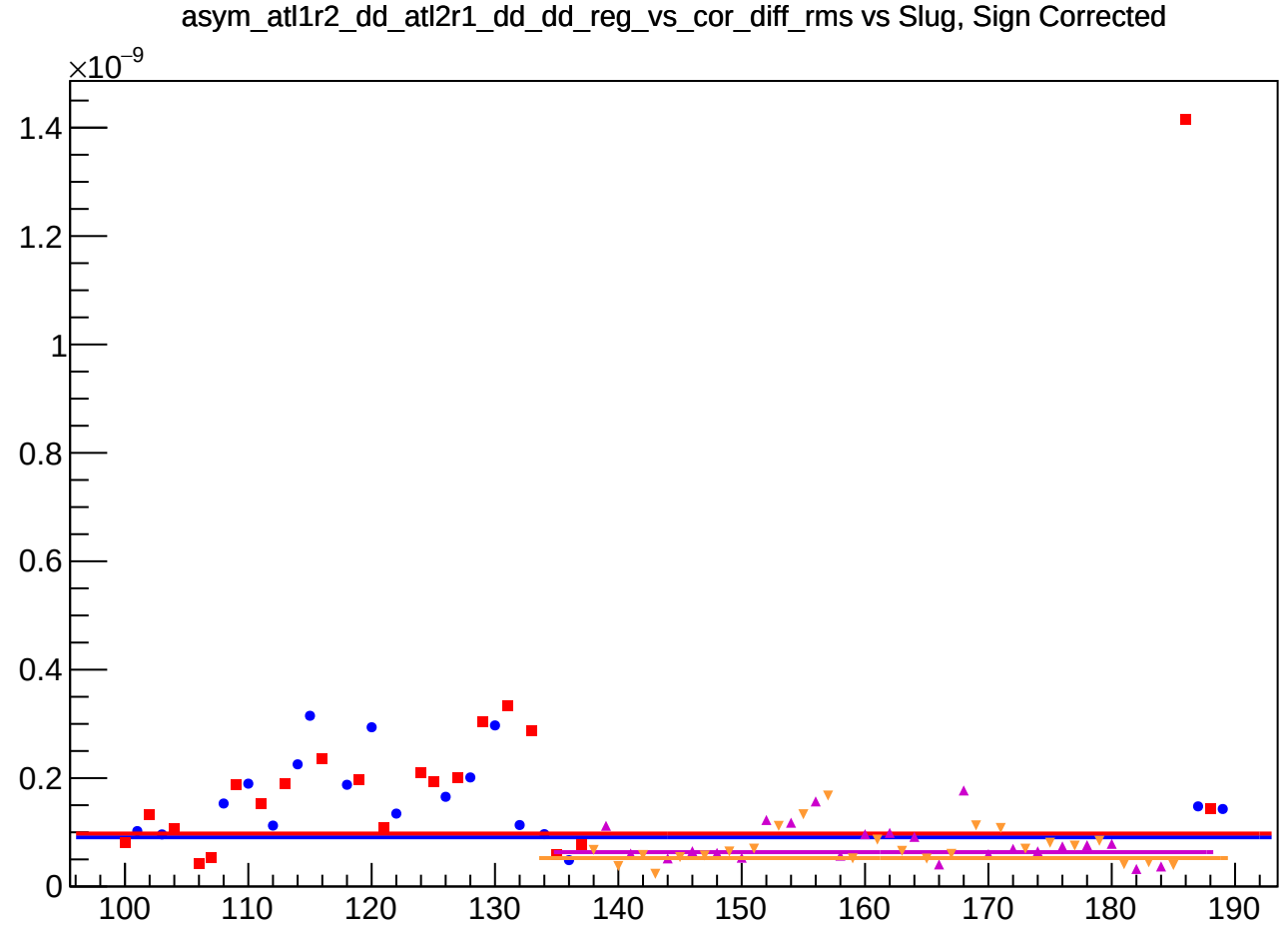
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 36.4/38

In: 0.000+/-0.000 χ^2/NDF:35.3/40

Out: 0.000+/-0.000 χ^2/NDF:49.1/45

All: 0.000+/-0.000 χ^2/NDF: 84.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 1520132.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

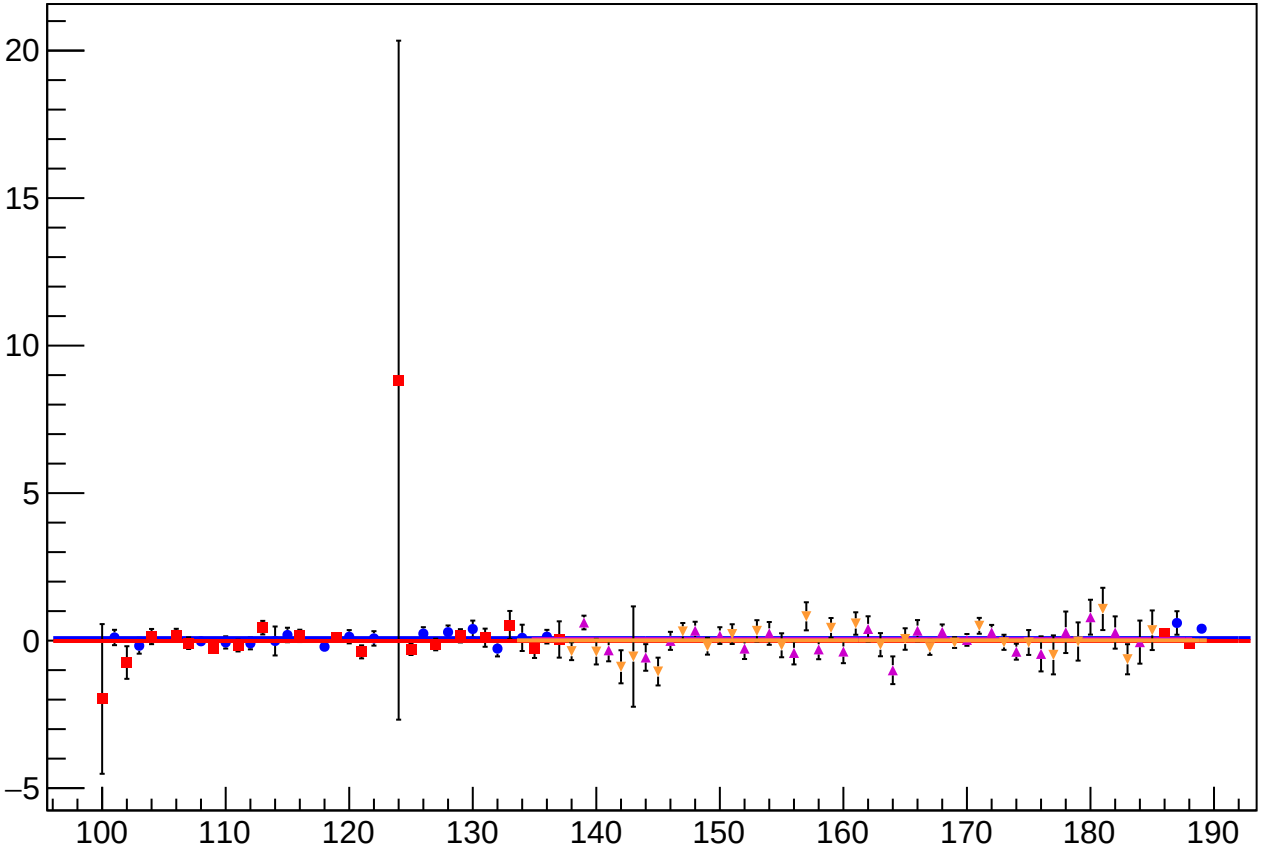
Right: 0.000+/-0.000 χ^2/NDF: 3715965.1/38

In: 0.000+/-0.000 χ^2/NDF:3680558.2/40

Out: 0.000+/-0.000 χ^2/NDF:5743467.6/45

All: 0.000+/-0.000 χ^2/NDF: 9640579.9/86

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

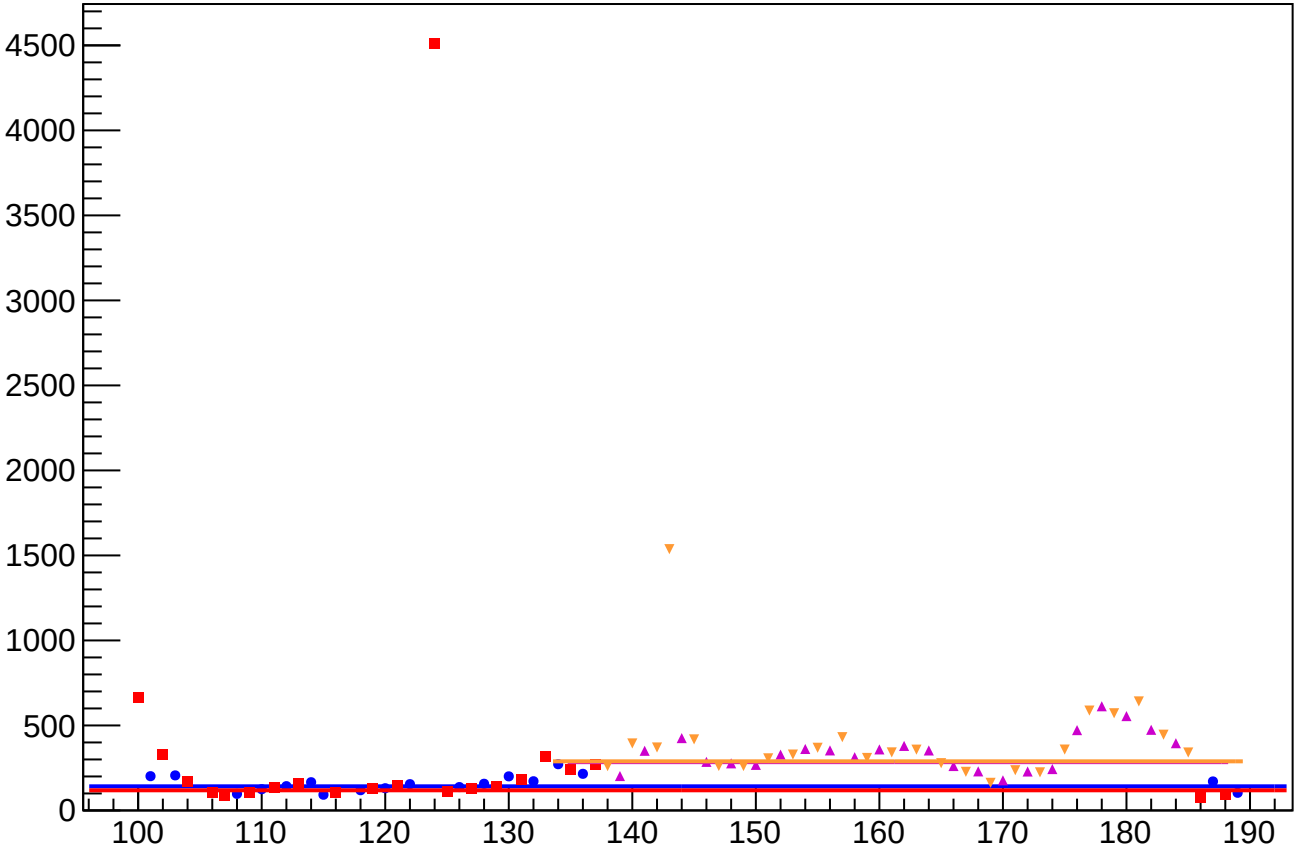
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

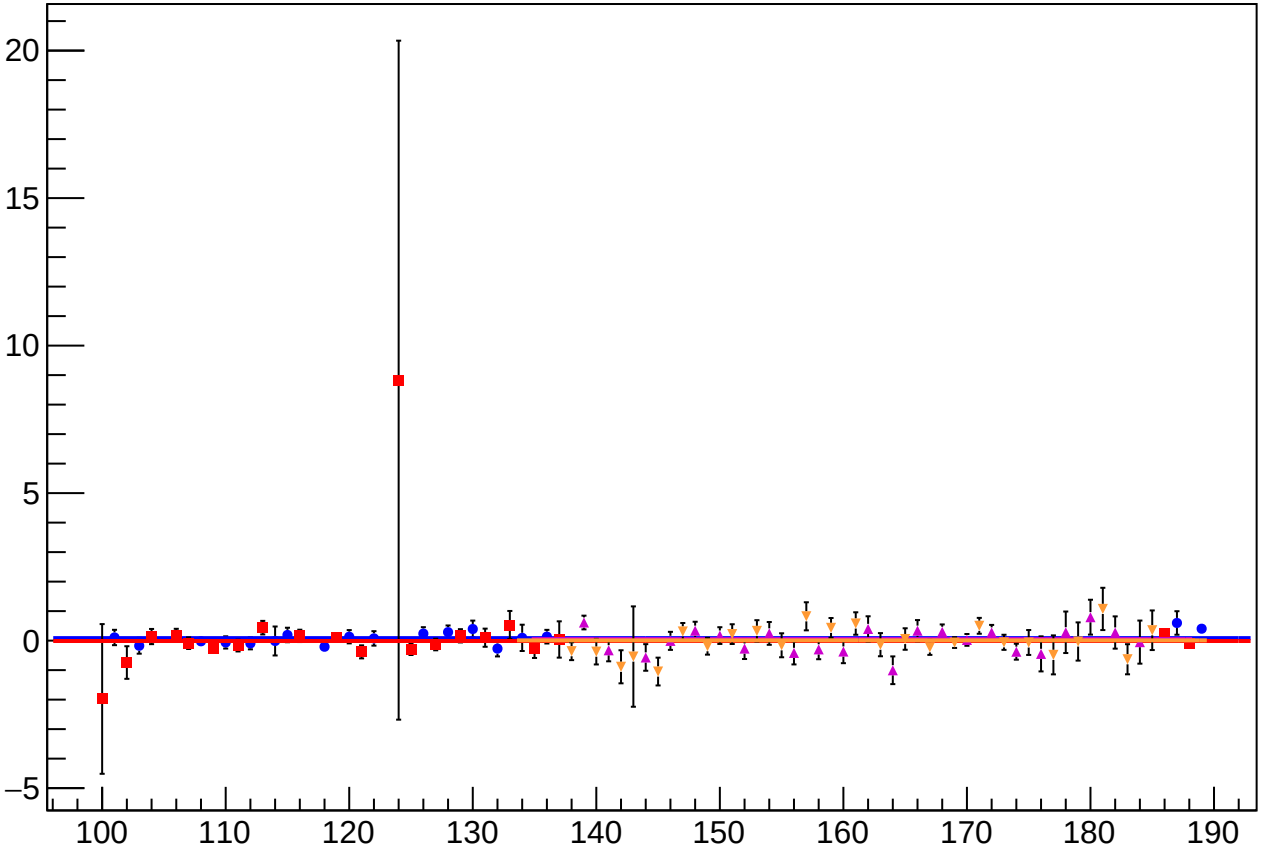
Right: 128.217+/-0.024 χ^2/NDF: 3521289.7/38

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

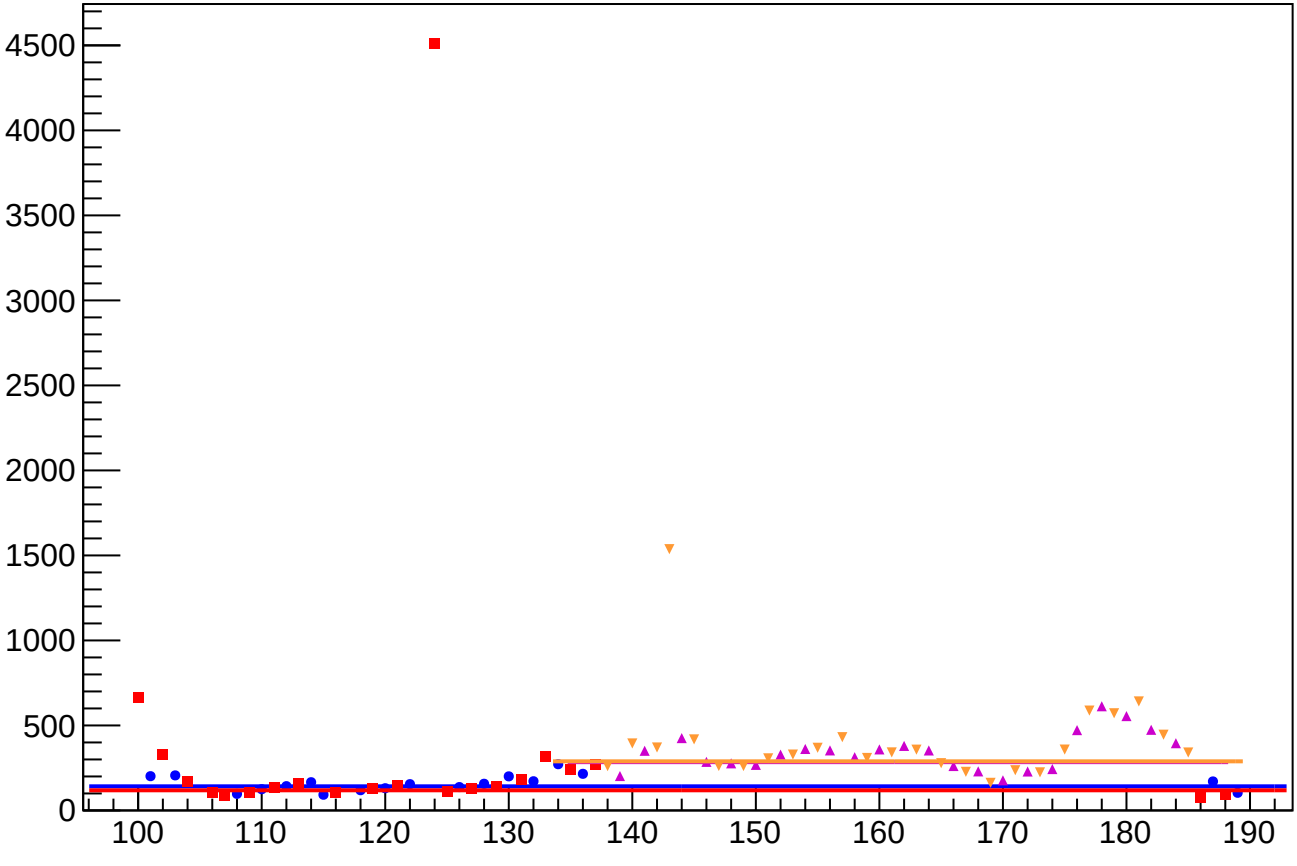
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.924+/-0.038 χ^2/NDF: 1149472.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

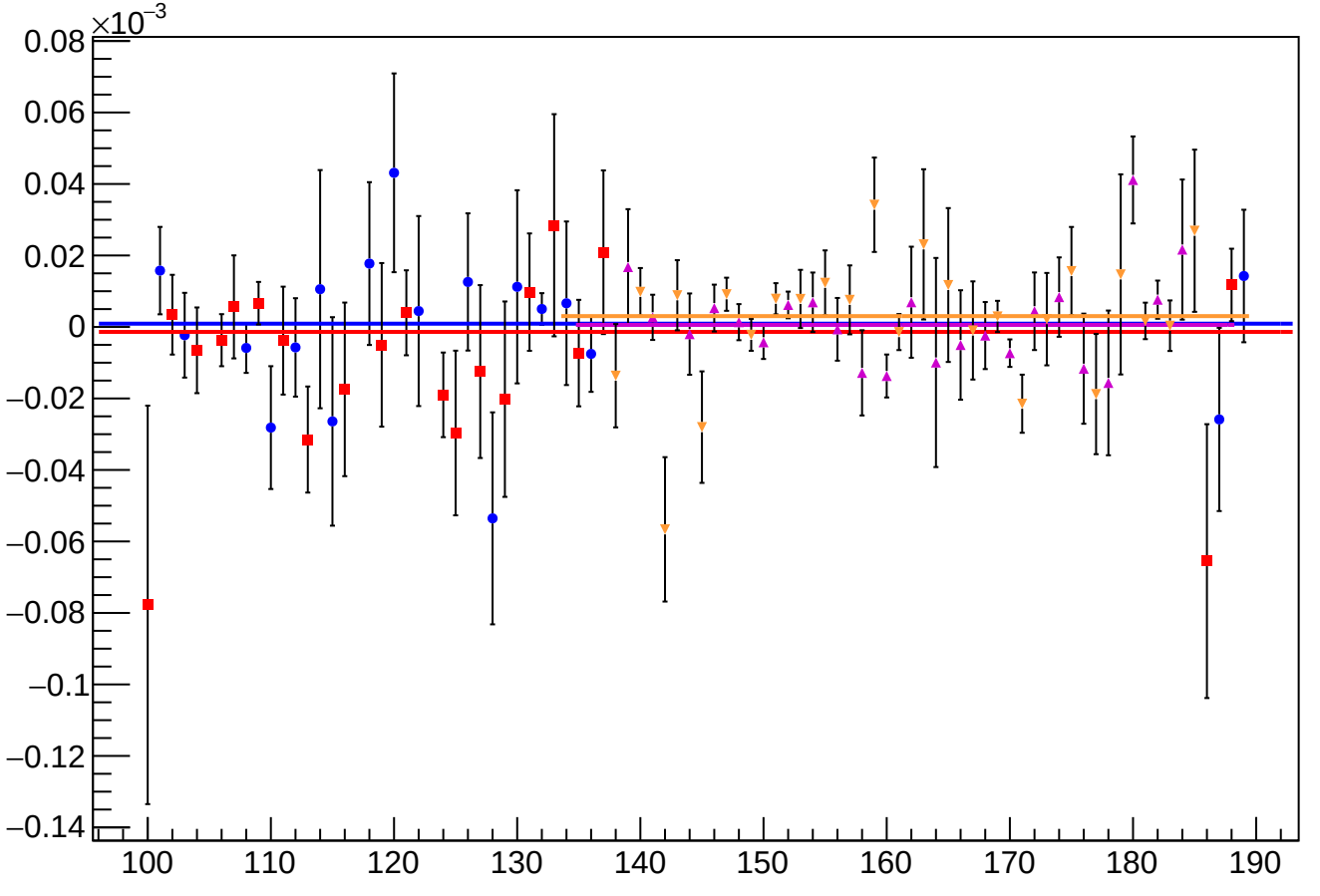
Right: 128.217+/-0.024 χ^2/NDF: 3521289.7/38

In: 193.926+/-0.030 χ^2/NDF:9406292.6/40

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 178.978+/-0.020 χ^2/NDF: 24872287.2/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

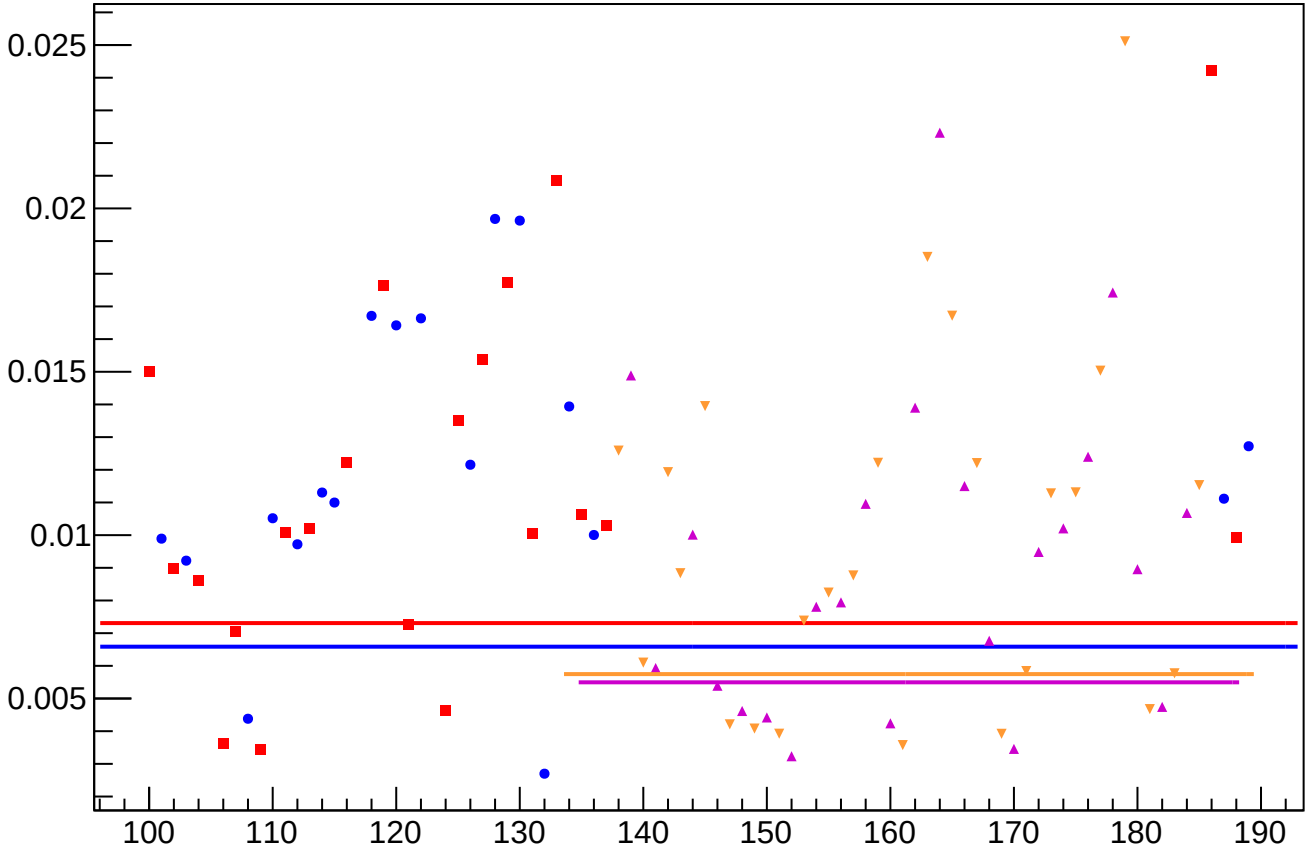
Right: -0.000+/-0.000 χ^2/NDF: 37.4/38

In: 0.000+/-0.000 χ^2/NDF:49.7/40

Out: 0.000+/-0.000 χ^2/NDF:64.6/45

All: 0.000+/-0.000 χ^2/NDF: 114.9/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4931851.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

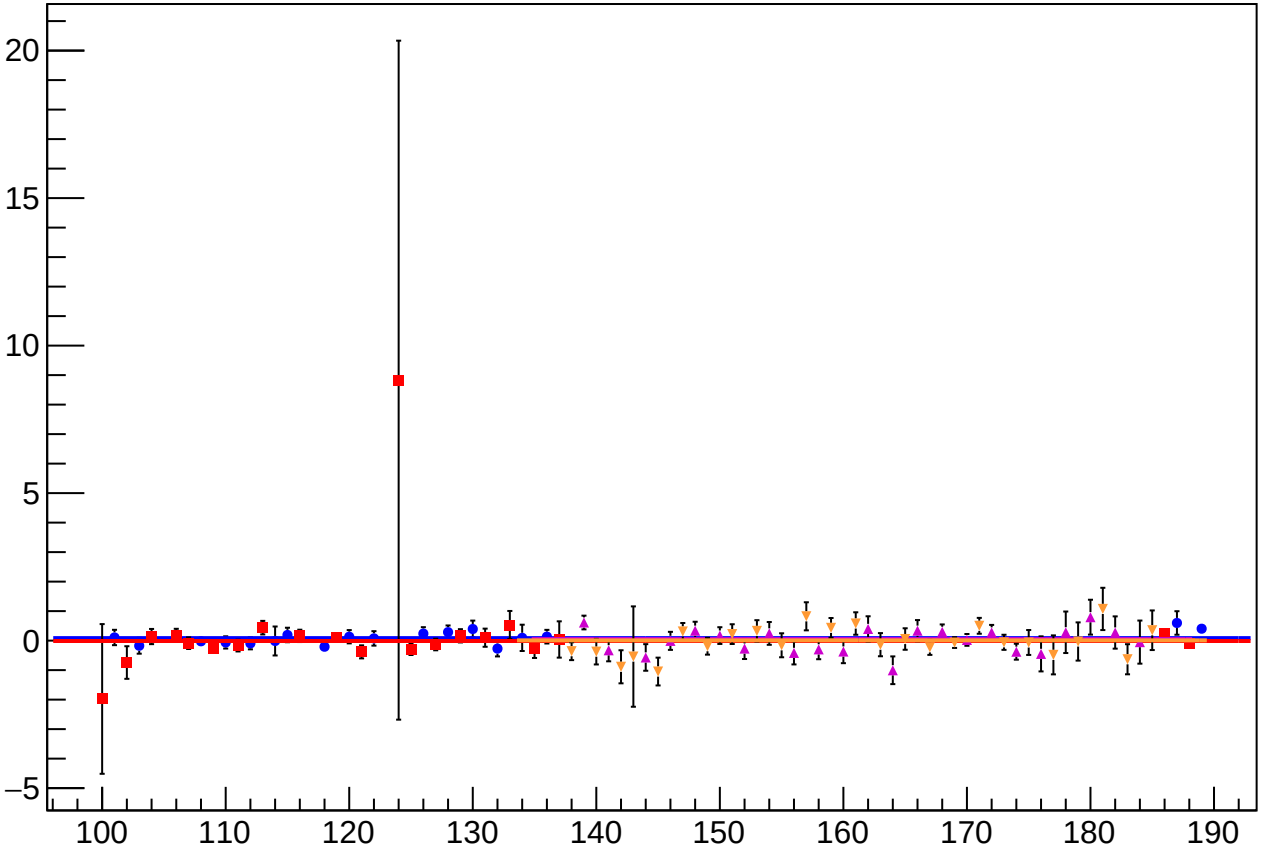
Right: 0.007+/-0.000 χ^2/NDF: 8953912.2/38

In: 0.006+/-0.000 χ^2/NDF:12094637.4/40

Out: 0.006+/-0.000 χ^2/NDF:12546785.7/45

All: 0.006+/-0.000 χ^2/NDF: 24711165.7/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

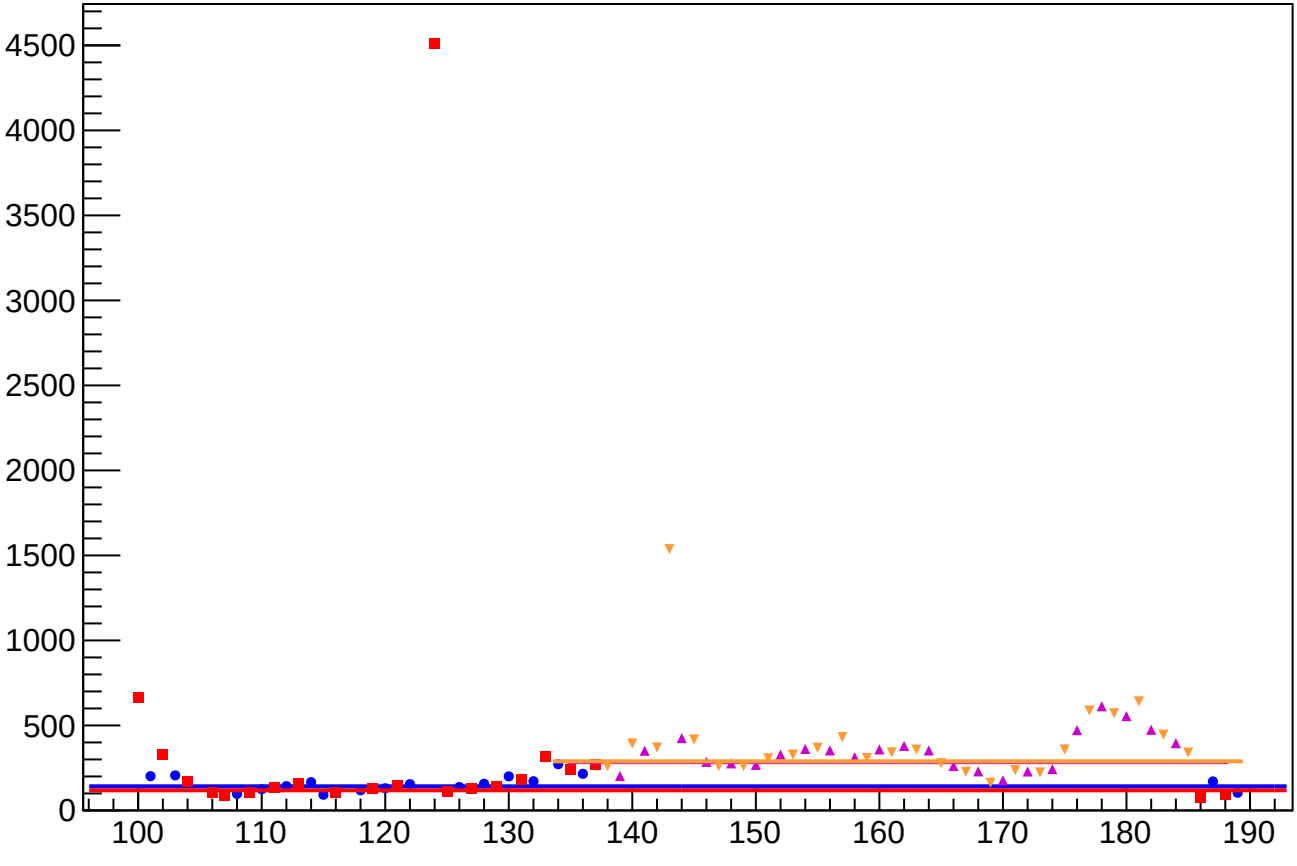
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

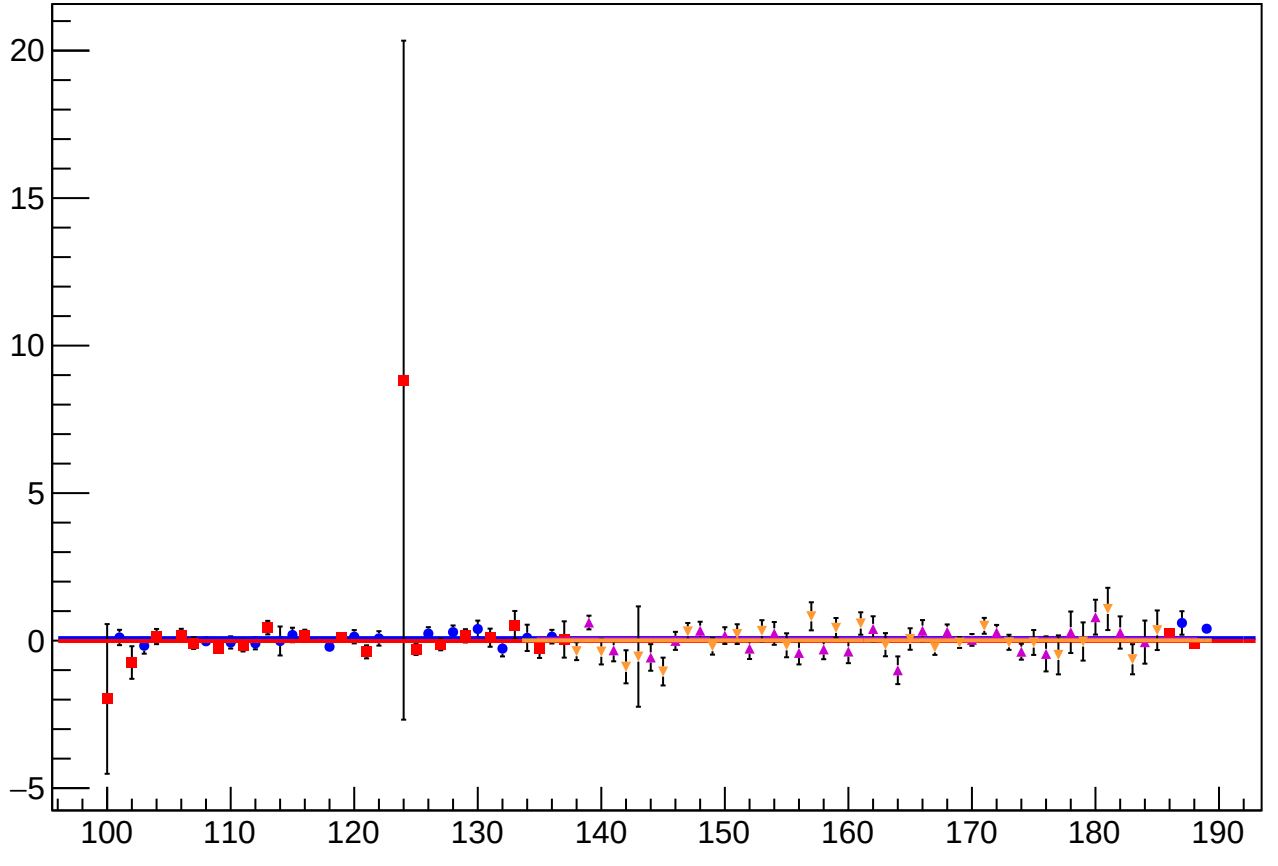
Right: 128.218+/-0.024 χ^2/NDF: 3521087.1/38

In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.085+/-0.053 χ^2/NDF: 16.5/17

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

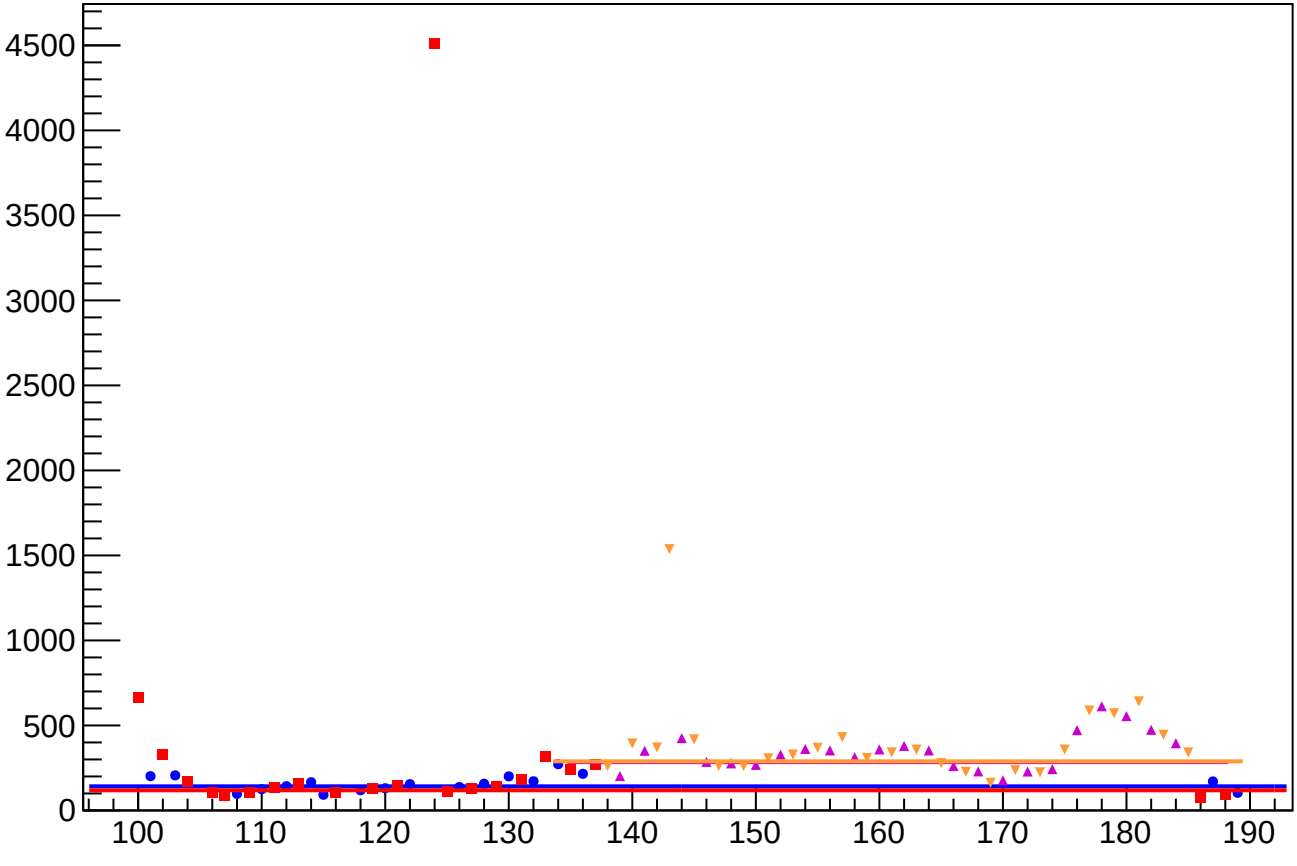
Right: 0.027+/-0.034 χ^2/NDF: 43.2/38

In: 0.073+/-0.043 χ^2/NDF:44.4/40

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.029+/-0.028 χ^2/NDF: 100.0/86

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 141.923+/-0.038 χ^2/NDF: 1149435.7/17

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

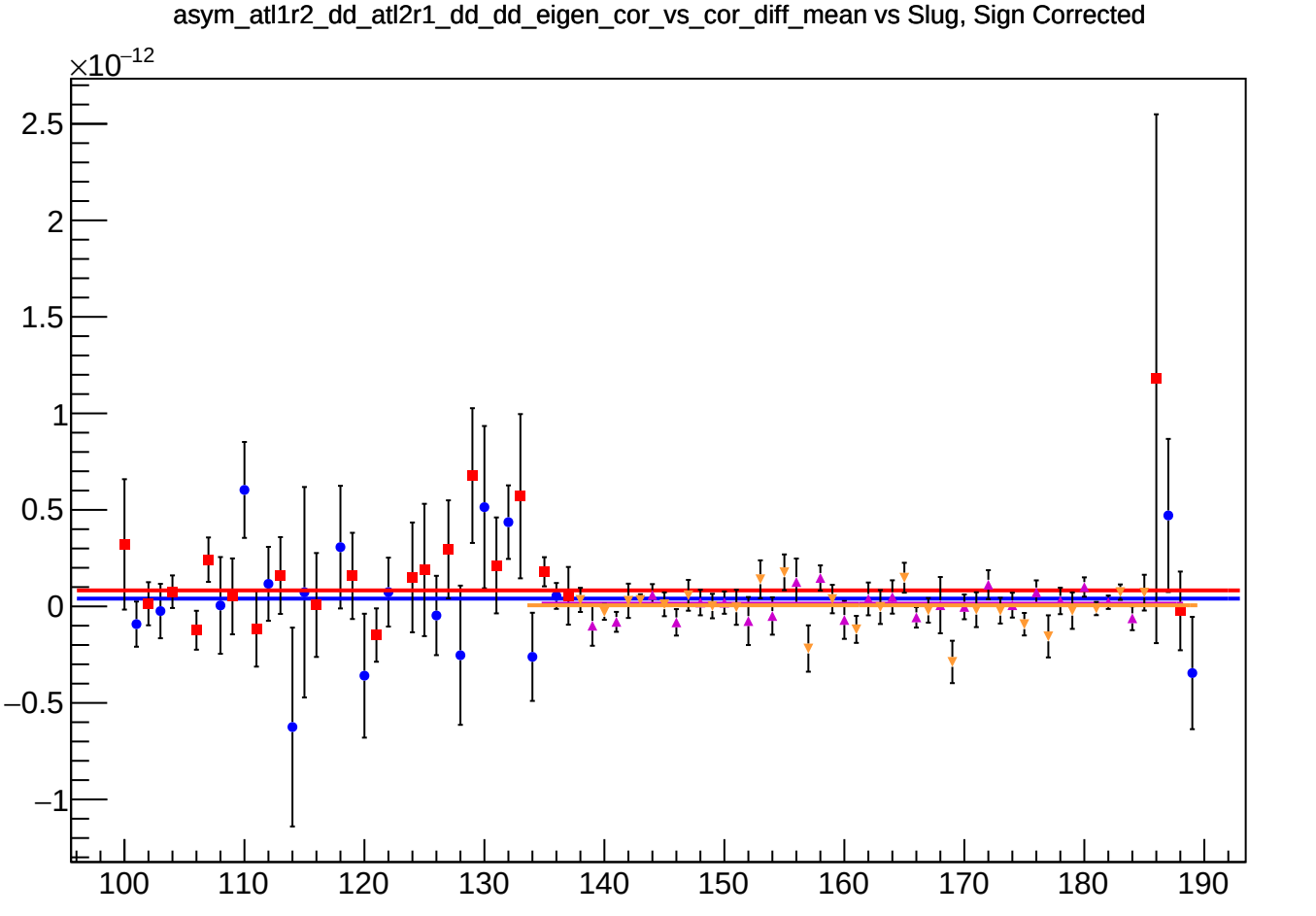
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 128.218+/-0.024 χ^2/NDF: 3521087.1/38

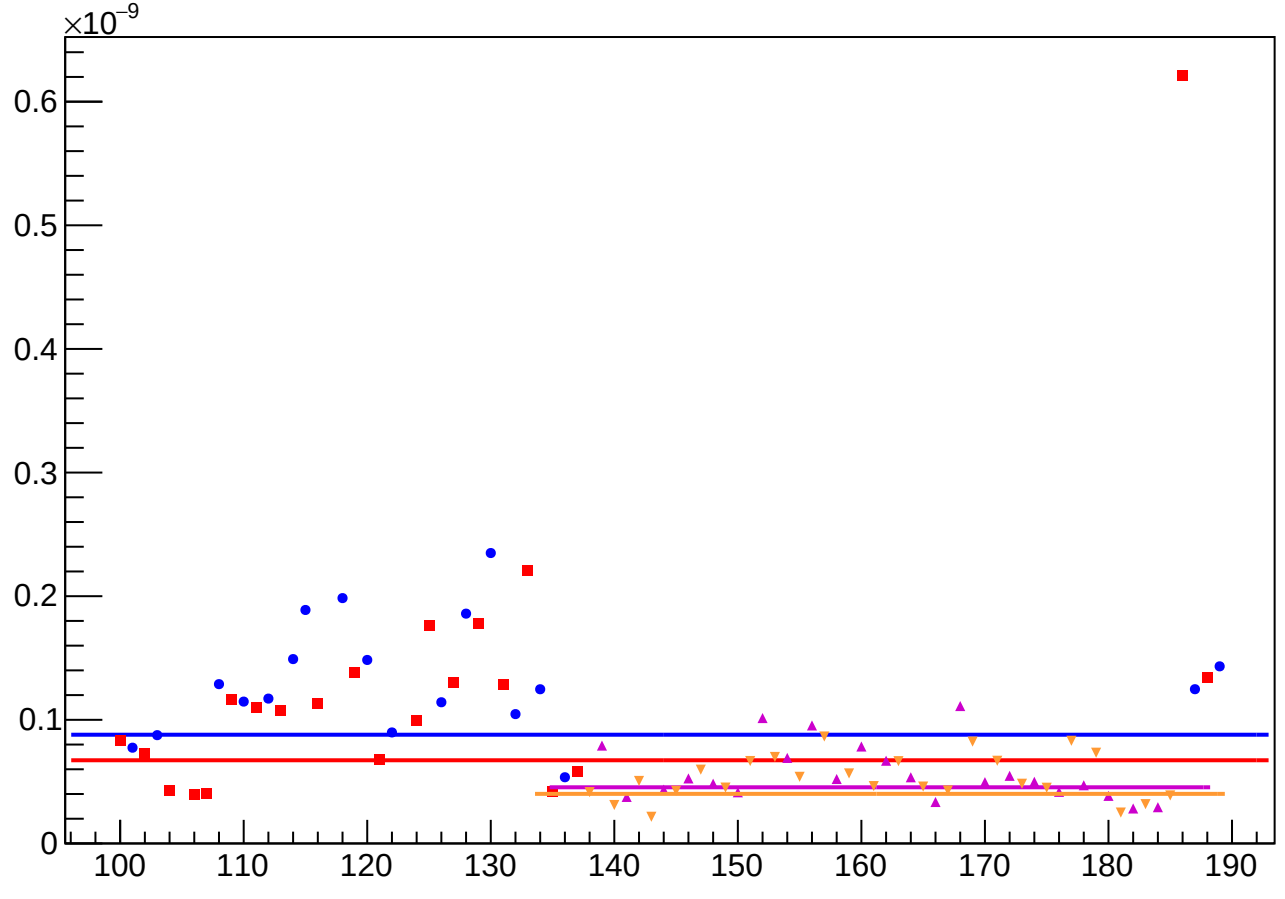
In: 193.926+/-0.030 χ^2/NDF:9406487.7/40

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 178.979+/-0.020 χ^2/NDF: 24872205.4/86


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.9/17
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.1/20
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: 41.7/38
In: 0.000+/-0.000 χ²/NDF:45.5/40
Out: 0.000+/-0.000 χ²/NDF:57.9/45
All: 0.000+/-0.000 χ²/NDF: 103.4/86

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: 1658110.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2710521.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

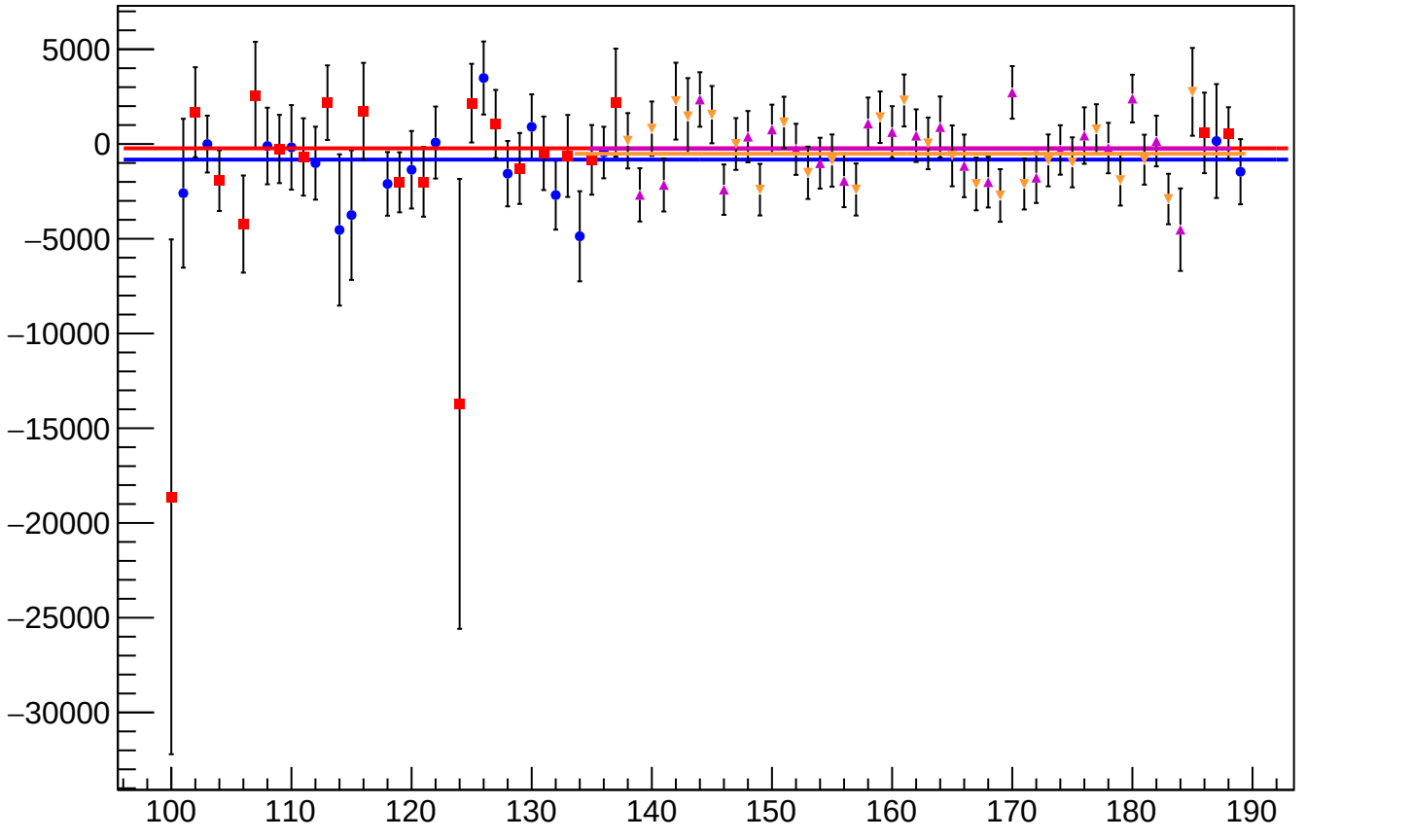
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4662453.8/38

In: 0.000+/-0.000 χ^2/NDF:6290057.1/40

Out: 0.000+/-0.000 χ^2/NDF:7466241.3/45

All: 0.000+/-0.000 χ^2/NDF: 14010851.4/86



Right In: -822.961+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -228.188+/-447.782 χ^2/NDF: 16.2/20

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

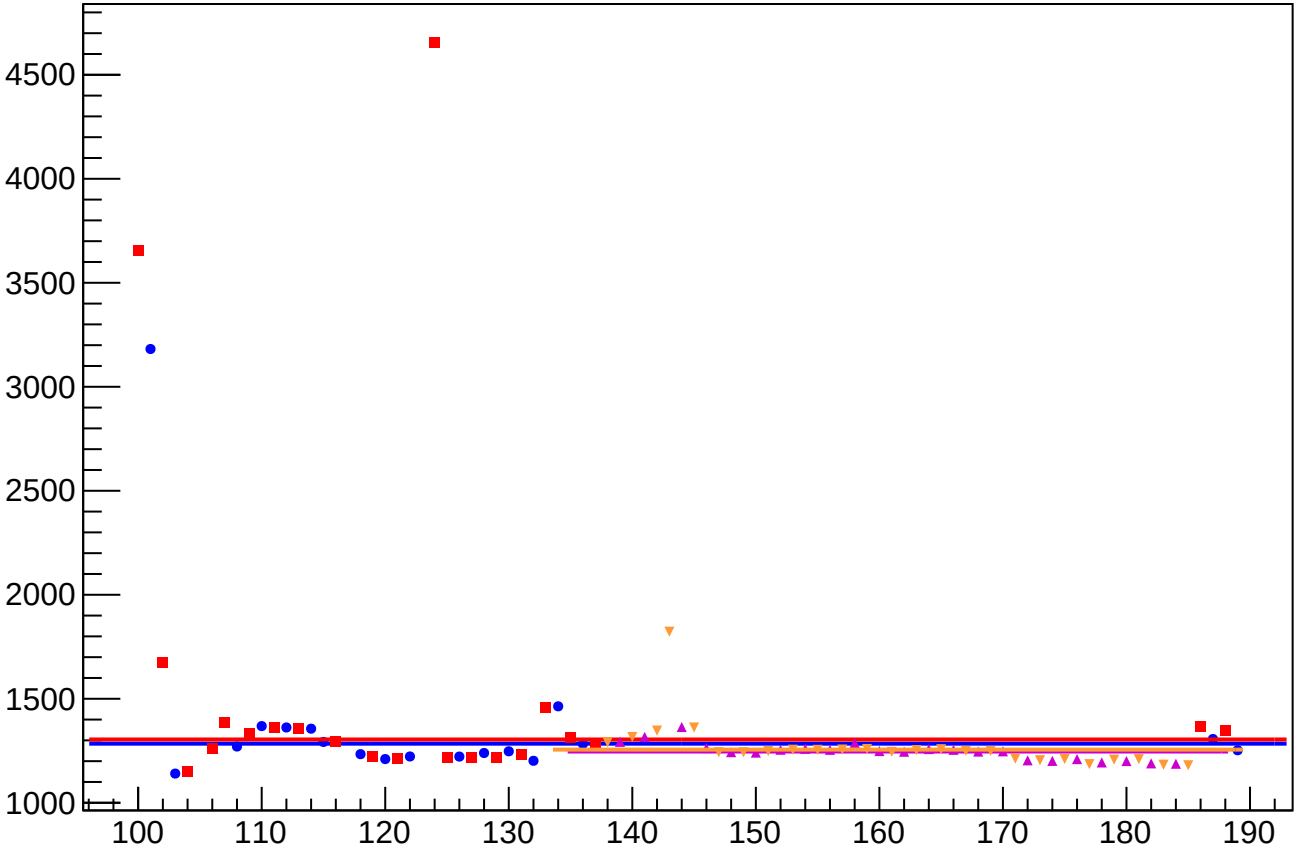
Right: -515.407+/-321.997 χ^2/NDF: 30.7/38

In: -406.950+/-246.534 χ^2/NDF:46.8/40

Out: -431.555+/-240.998 χ^2/NDF:47.4/45

All: -419.532+/-172.335 χ^2/NDF: 94.2/86

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1284.135+/-0.328 χ^2/NDF: 518949.5/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1304.326+/-0.317 χ^2/NDF: 332177.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

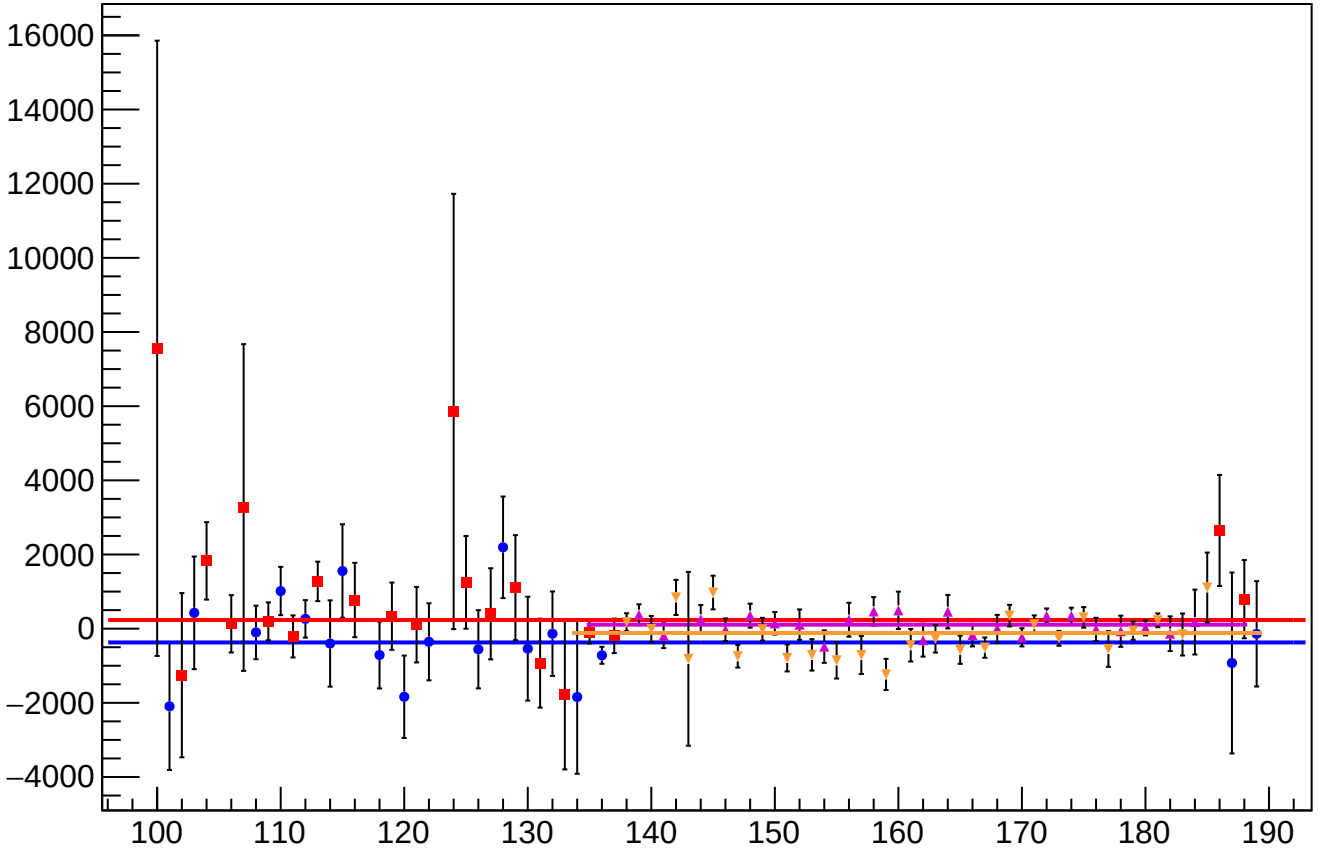
Right: 1294.576+/-0.228 χ^2/NDF: 853091.0/38

In: 1257.050+/-0.174 χ^2/NDF:568339.0/40

Out: 1269.653+/-0.170 χ^2/NDF:552183.9/45

All: 1263.494+/-0.122 χ^2/NDF: 1123195.8/86

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -371.698+/-166.648 χ^2/NDF: 18.2/17

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 234.361+/-166.390 χ^2/NDF: 17.6/20

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

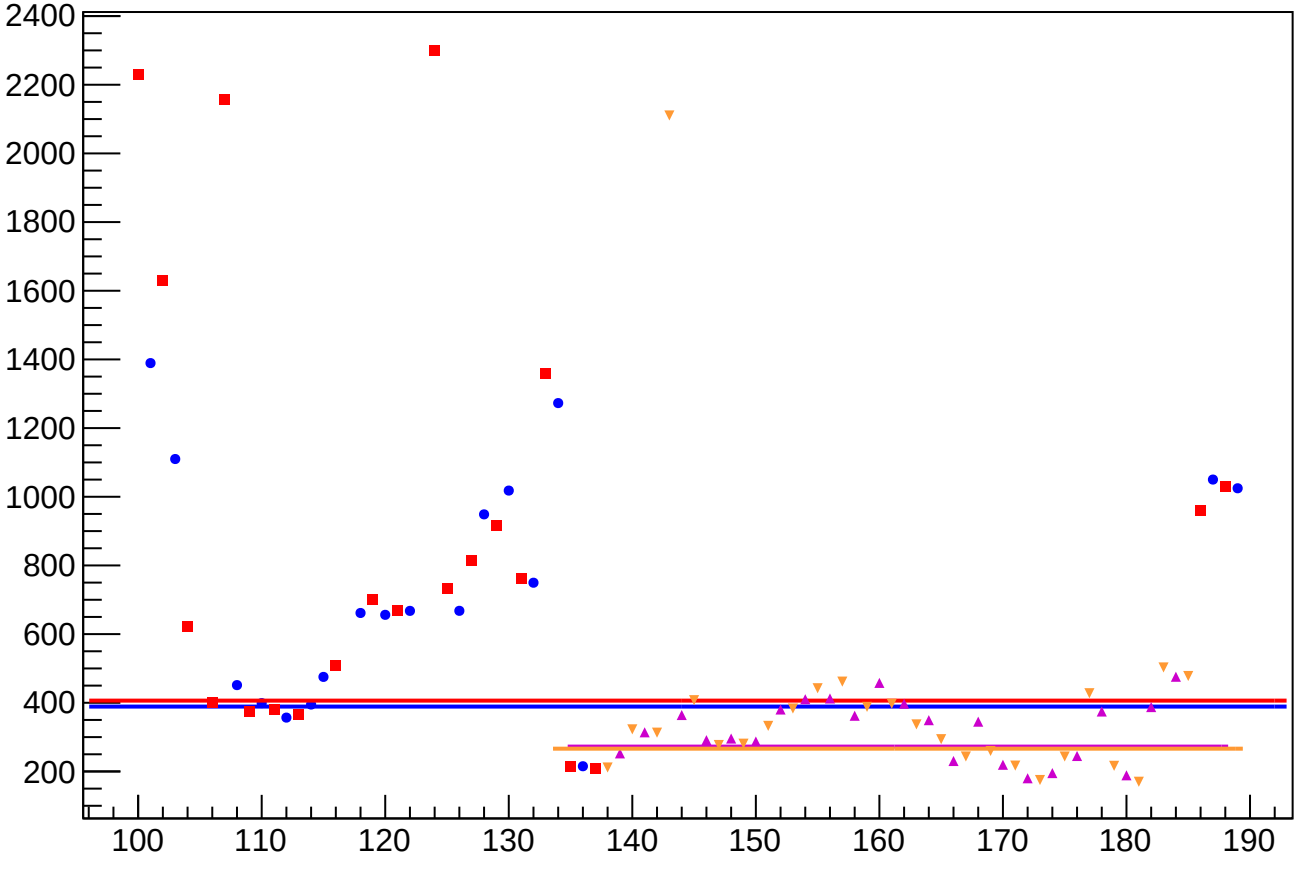
Right: -68.198+/-117.747 χ^2/NDF: 42.5/38

In: 40.683+/-62.165 χ^2/NDF:39.1/40

Out: -70.431+/-60.592 χ^2/NDF:69.9/45

All: -16.298+/-43.390 χ^2/NDF: 110.6/86

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 388.937+/-0.118 χ^2/NDF: 4747435.1/17

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 406.287+/-0.118 χ^2/NDF: 5063951.0/20

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

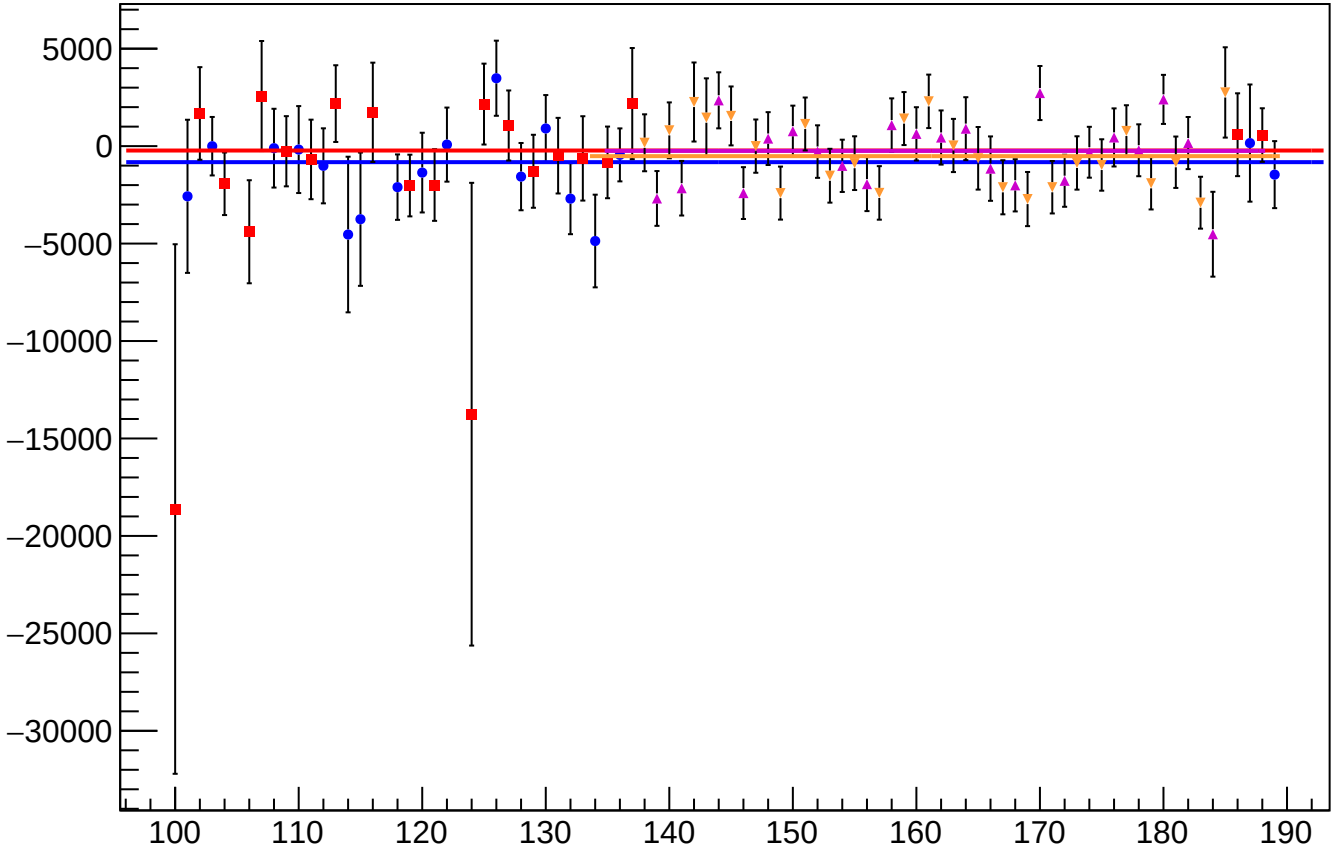
Right: 397.626+/-0.083 χ^2/NDF: 9822242.5/38

In: 288.589+/-0.044 χ^2/NDF:8477667.8/40

Out: 284.882+/-0.043 χ^2/NDF:10921633.7/45

All: 286.688+/-0.031 χ^2/NDF: 19402948.4/86

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -225.736+/-448.191 χ^2/NDF: 16.2/20

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

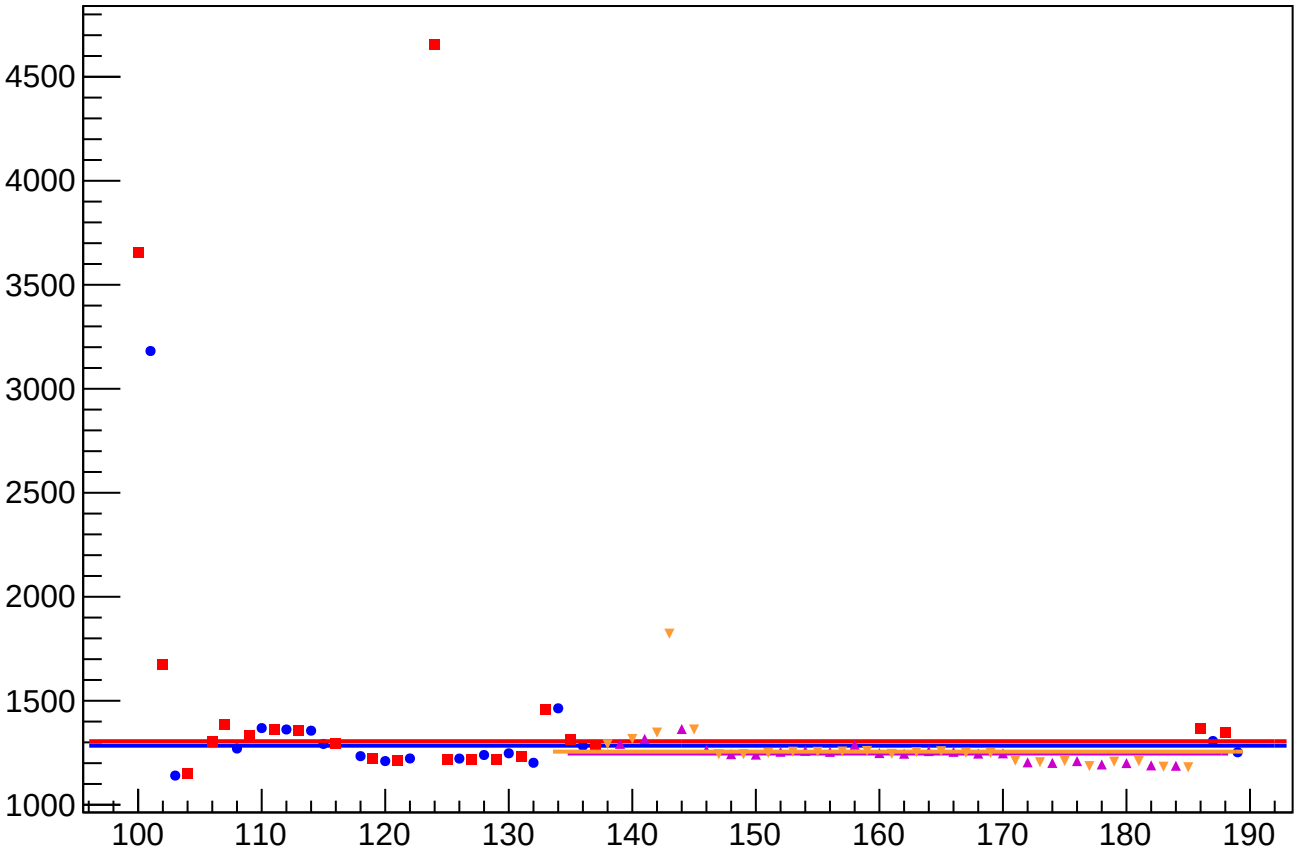
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -514.233+/-322.149 χ^2/NDF: 30.7/38

In: -406.830+/-246.534 χ^2/NDF:46.8/40

Out: -430.914+/-241.062 χ^2/NDF:47.4/45

All: -419.142+/-172.358 χ^2/NDF: 94.3/86



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

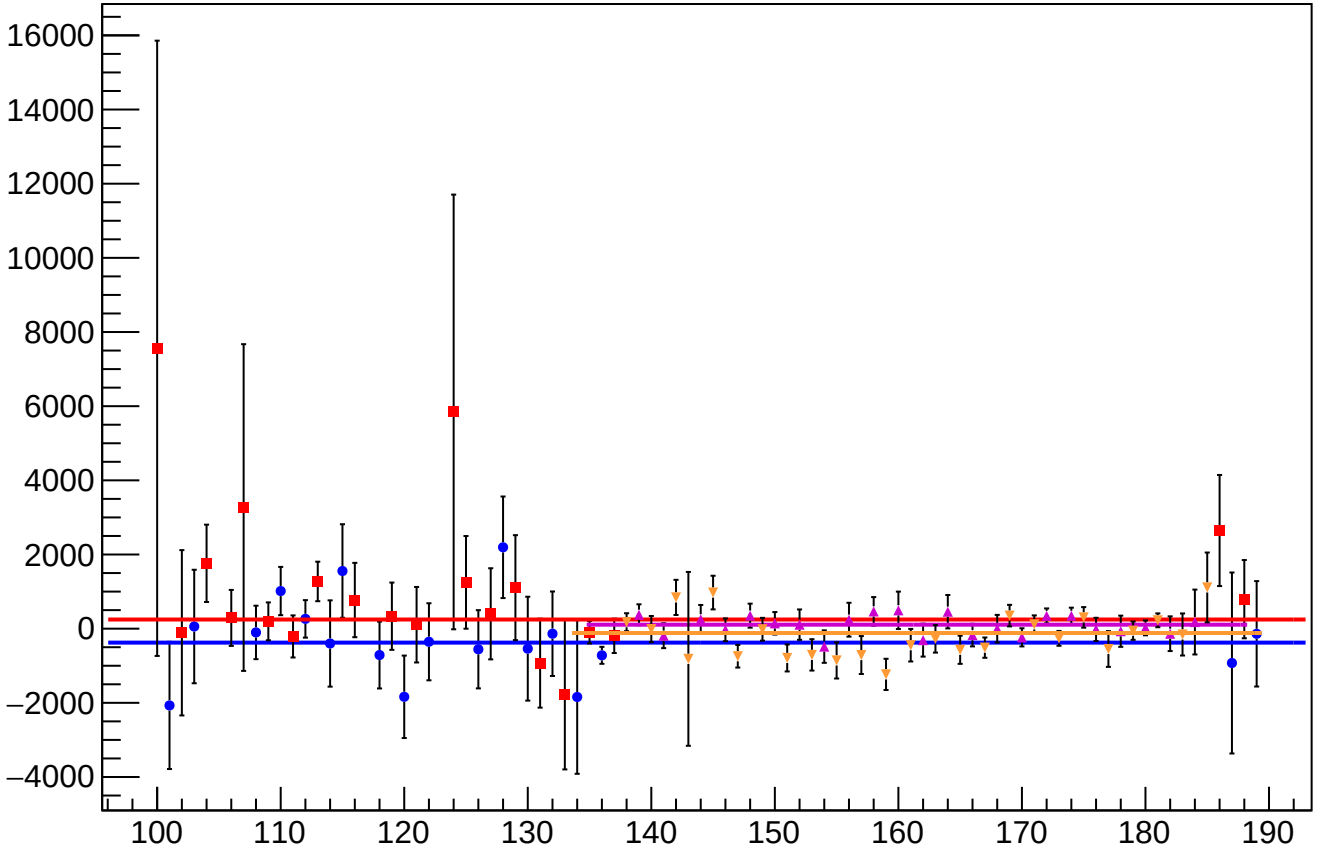
Right: 1295.211+/-0.228 χ^2/NDF: 852807.8/38

In: 1257.050+/-0.174 χ^2/NDF:568340.3/40

Out: 1269.996+/-0.170 χ^2/NDF:552501.9/45

All: 1263.668+/-0.122 χ^2/NDF: 1123661.7/86

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

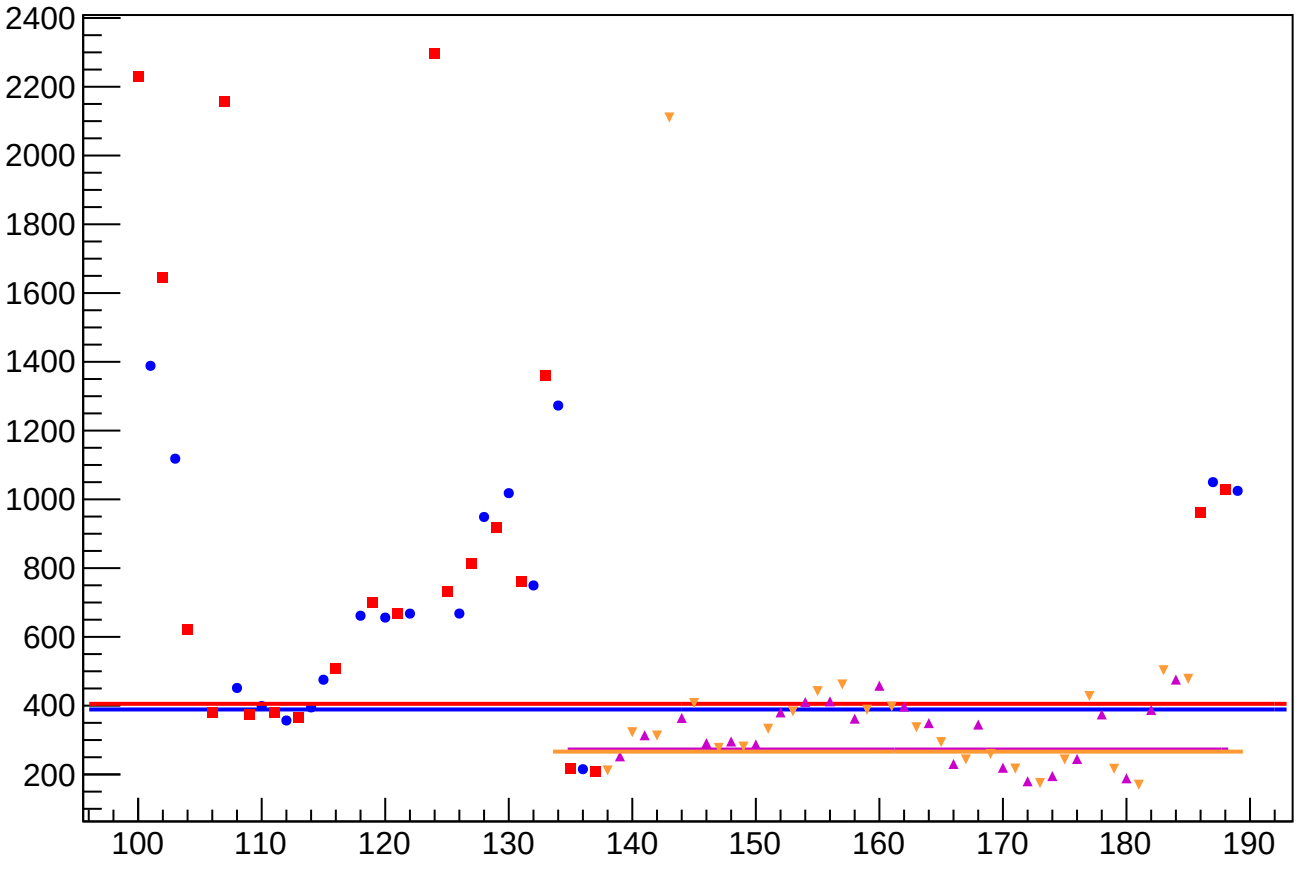
Right: -63.672+/-117.687 χ^2/NDF: 42.0/38

In: 40.187+/-62.167 χ^2/NDF:39.0/40

Out: -68.639+/-60.584 χ^2/NDF:69.6/45

All: -15.629+/-43.388 χ^2/NDF: 110.1/86

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

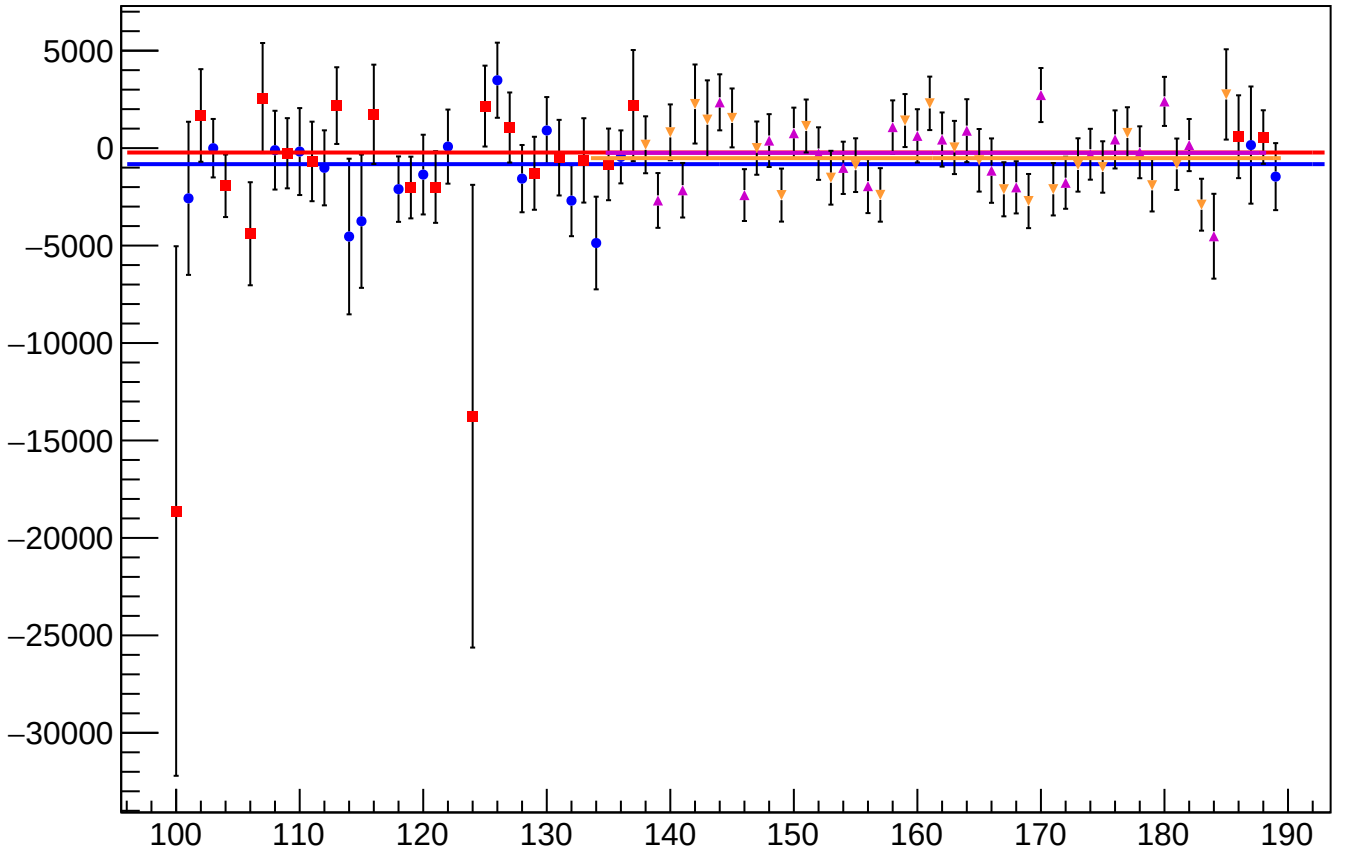
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 397.155+/-0.083 χ^2/NDF: 9832844.8/38

In: 288.594+/-0.044 χ^2/NDF:8480196.4/40

Out: 284.797+/-0.043 χ^2/NDF:10915829.6/45

All: 286.646+/-0.031 χ^2/NDF: 19399853.0/86



Right In: -822.593+/-463.363 χ^2/NDF: 13.7/17

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -225.736+/-448.191 χ^2/NDF: 16.2/20

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

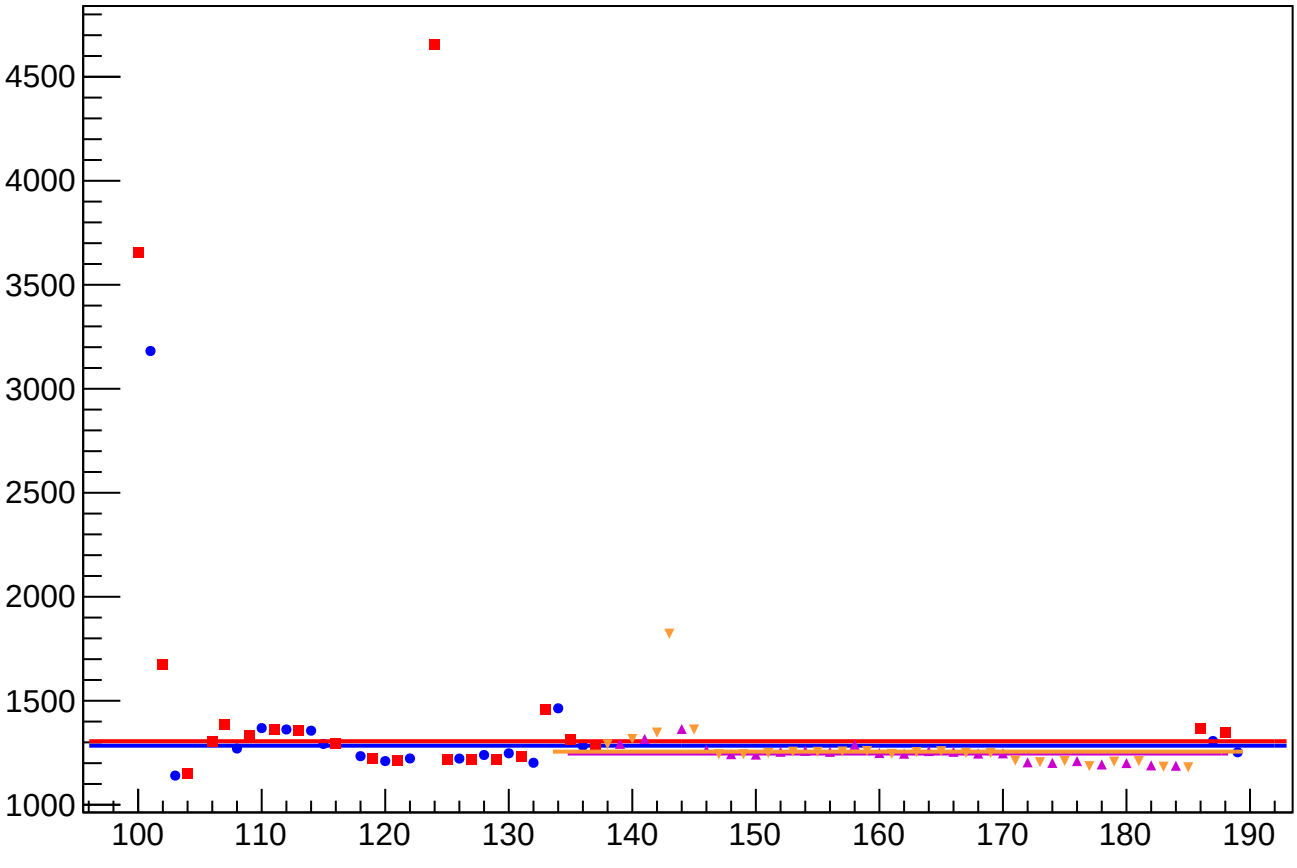
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -514.233+/-322.149 χ^2/NDF: 30.7/38

In: -406.830+/-246.534 χ^2/NDF:46.8/40

Out: -430.914+/-241.062 χ^2/NDF:47.4/45

All: -419.142+/-172.358 χ^2/NDF: 94.3/86



Right In: 1284.135+/-0.328 χ^2/NDF: 518950.9/17

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

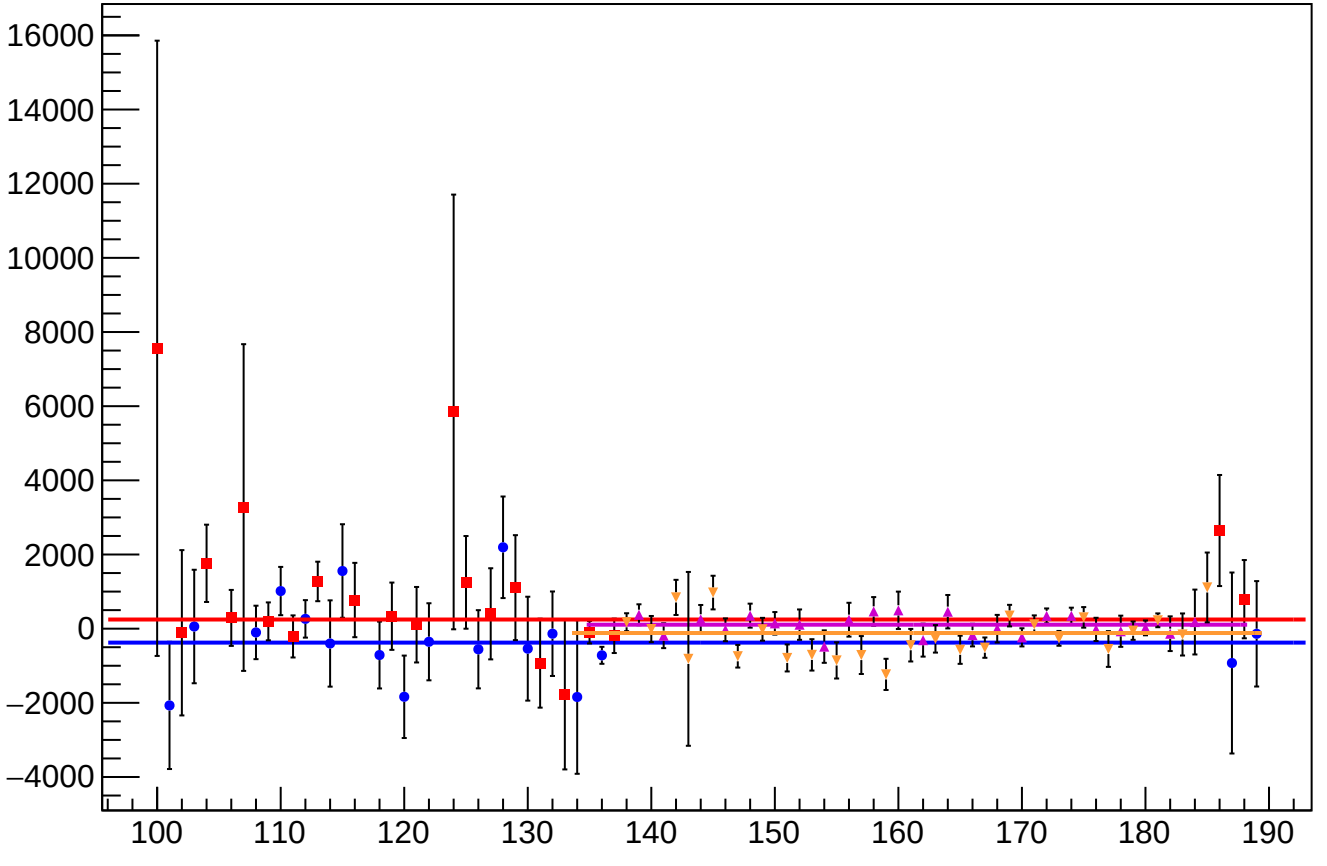
Right: 1295.211+/-0.228 χ^2/NDF: 852807.8/38

In: 1257.050+/-0.174 χ^2/NDF:568340.3/40

Out: 1269.996+/-0.170 χ^2/NDF:552501.9/45

All: 1263.668+/-0.122 χ^2/NDF: 1123661.7/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.061+/-166.667 χ^2/NDF: 18.0/17

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

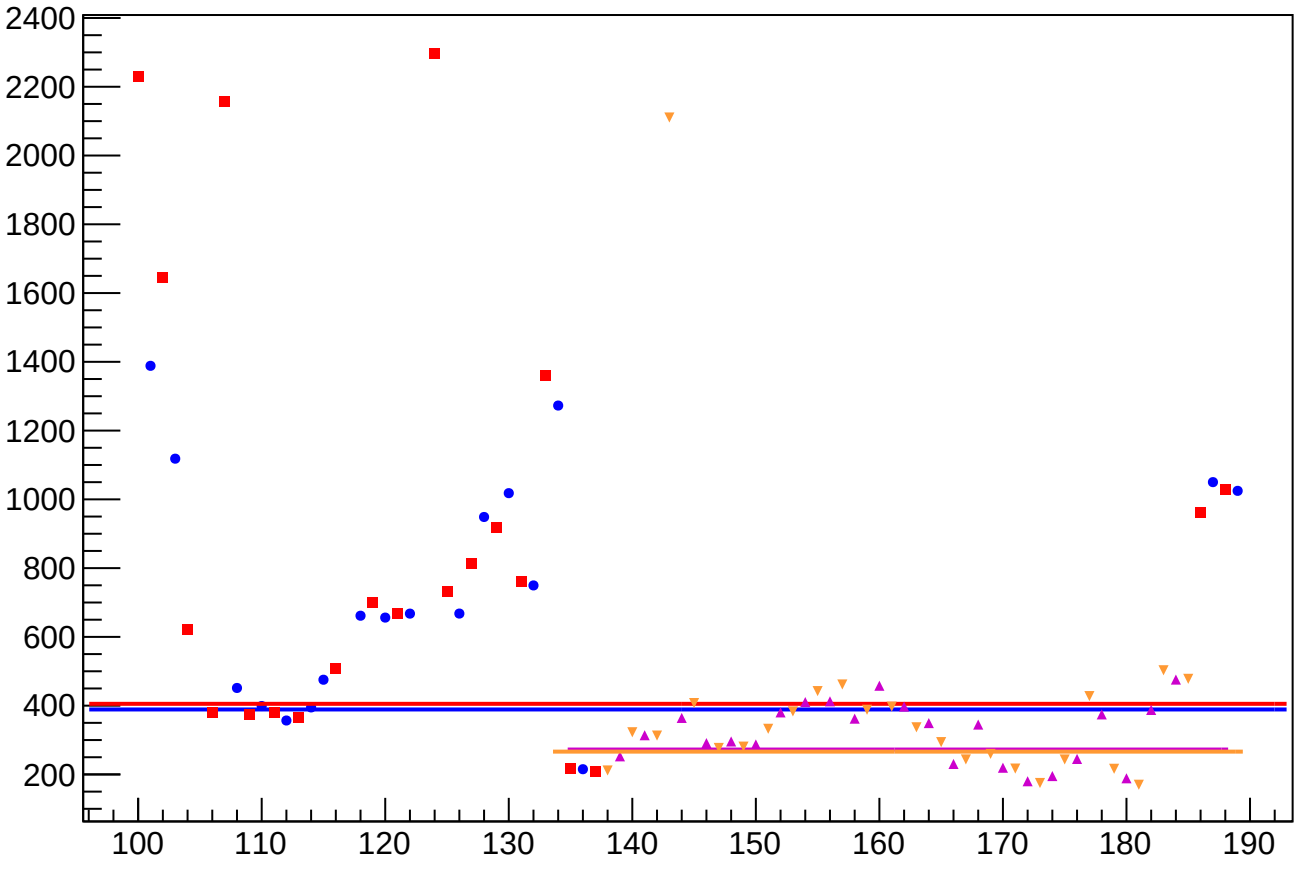
Right: -63.672+/-117.687 χ^2/NDF: 42.0/38

In: 40.187+/-62.167 χ^2/NDF:39.0/40

Out: -68.639+/-60.584 χ^2/NDF:69.6/45

All: -15.629+/-43.388 χ^2/NDF: 110.1/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 388.931+/-0.118 χ^2/NDF: 4750587.4/17

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

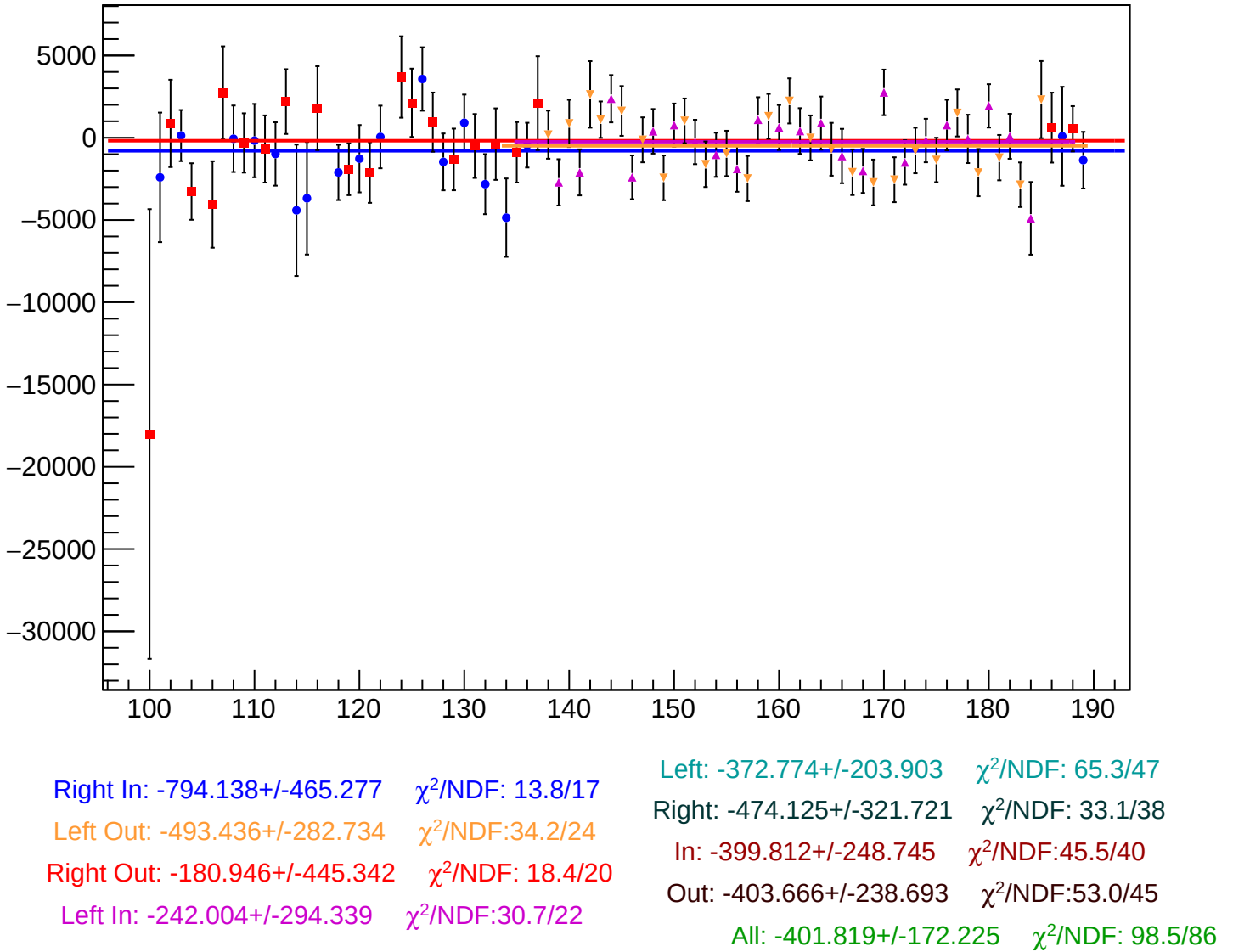
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

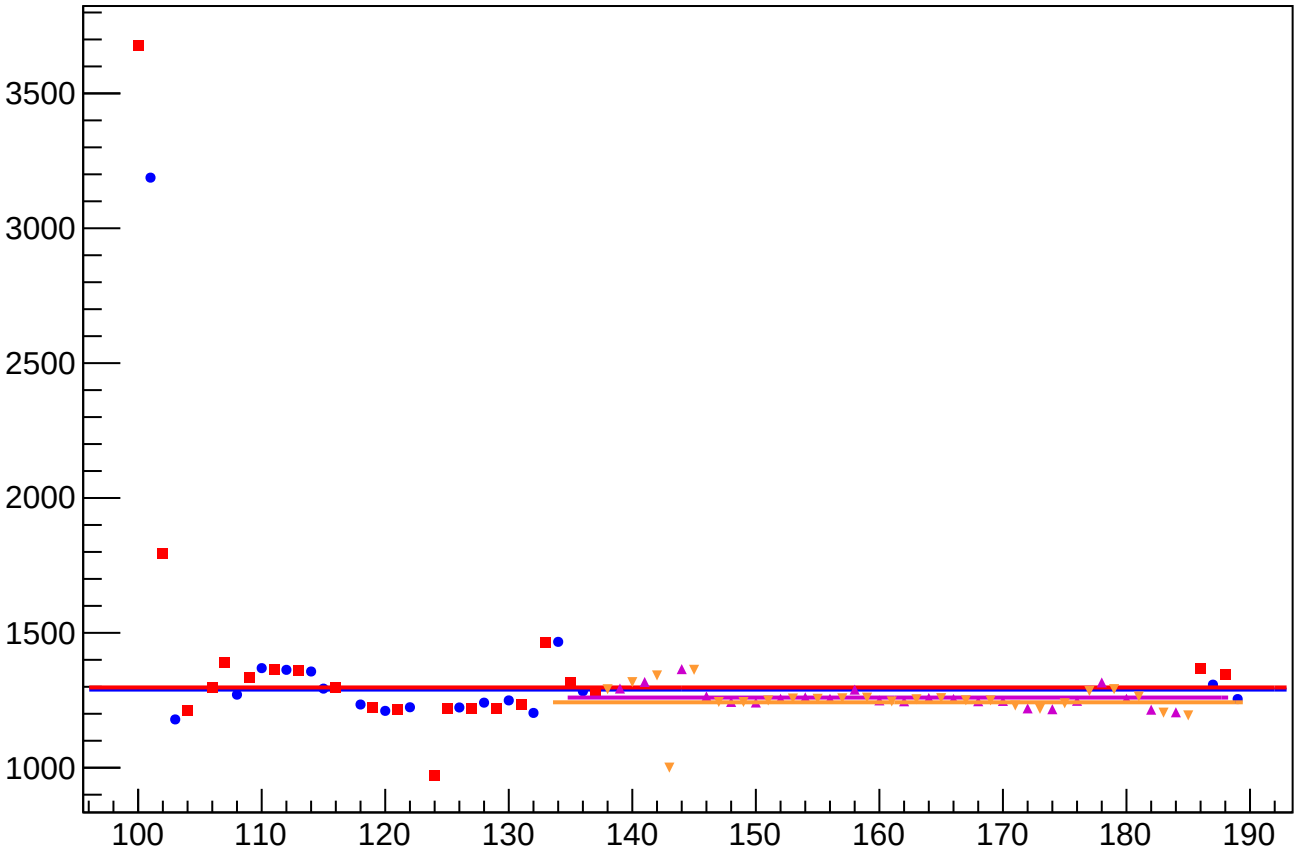
Right: 397.155+/-0.083 χ^2/NDF: 9832844.8/38

In: 288.594+/-0.044 χ^2/NDF:8480196.4/40

Out: 284.797+/-0.043 χ^2/NDF:10915829.6/45

All: 286.646+/-0.031 χ^2/NDF: 19399853.0/86


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -794.138+/-465.277 χ²/NDF: 13.8/17
Left Out: -493.436+/-282.734 χ²/NDF:34.2/24
Right Out: -180.946+/-445.342 χ²/NDF: 18.4/20
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -474.125+/-321.721 χ²/NDF: 33.1/38
In: -399.812+/-248.745 χ²/NDF:45.5/40
Out: -403.666+/-238.693 χ²/NDF:53.0/45
All: -401.819+/-172.225 χ²/NDF: 98.5/86



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.2/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

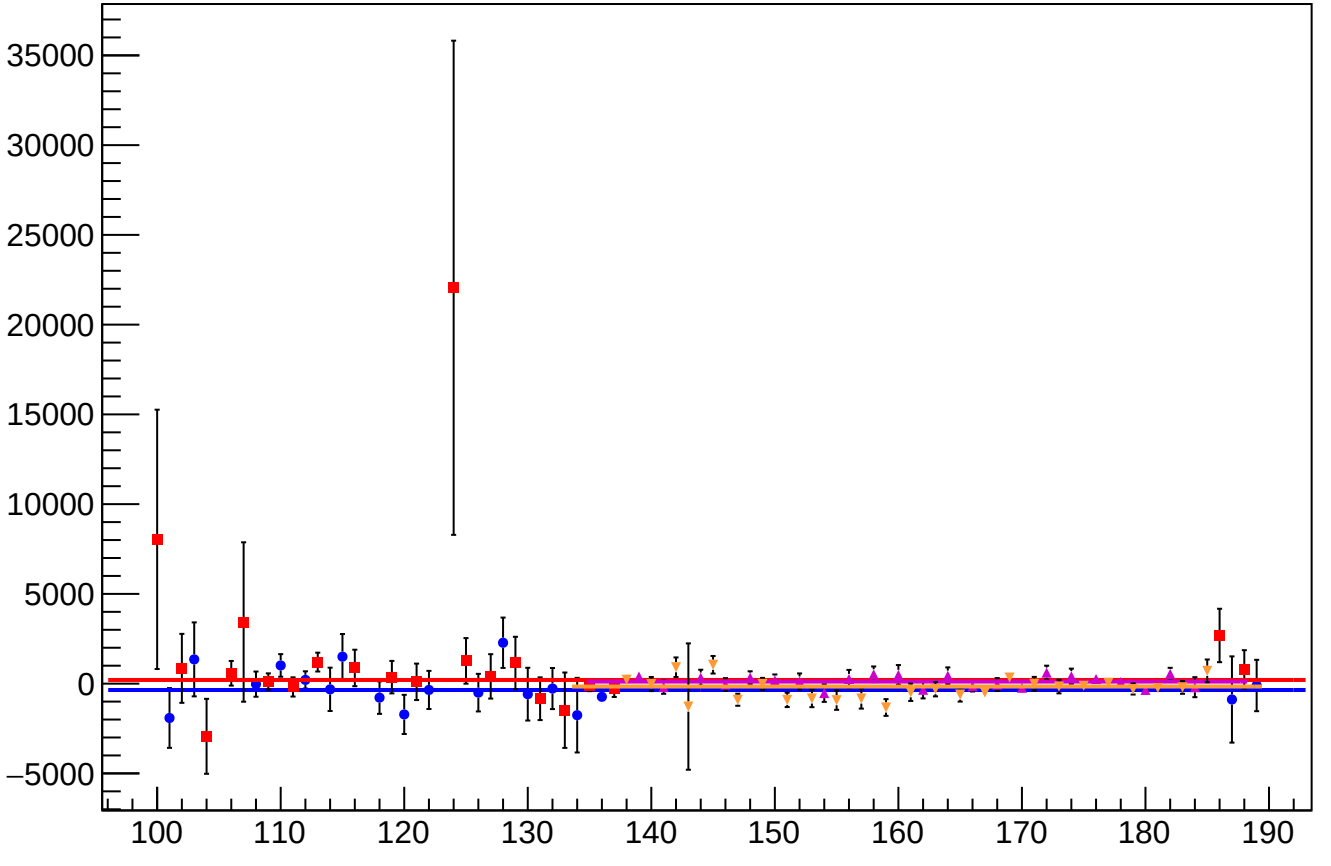
Right: 1293.826+/-0.227 χ^2/NDF: 725385.5/38

In: 1268.550+/-0.176 χ^2/NDF:544068.6/40

Out: 1258.364+/-0.169 χ^2/NDF:366552.0/45

All: 1263.247+/-0.122 χ^2/NDF: 912366.7/86

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -354.342+/-168.369 χ^2/NDF: 18.5/17

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 205.206+/-166.501 χ^2/NDF: 19.0/20

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

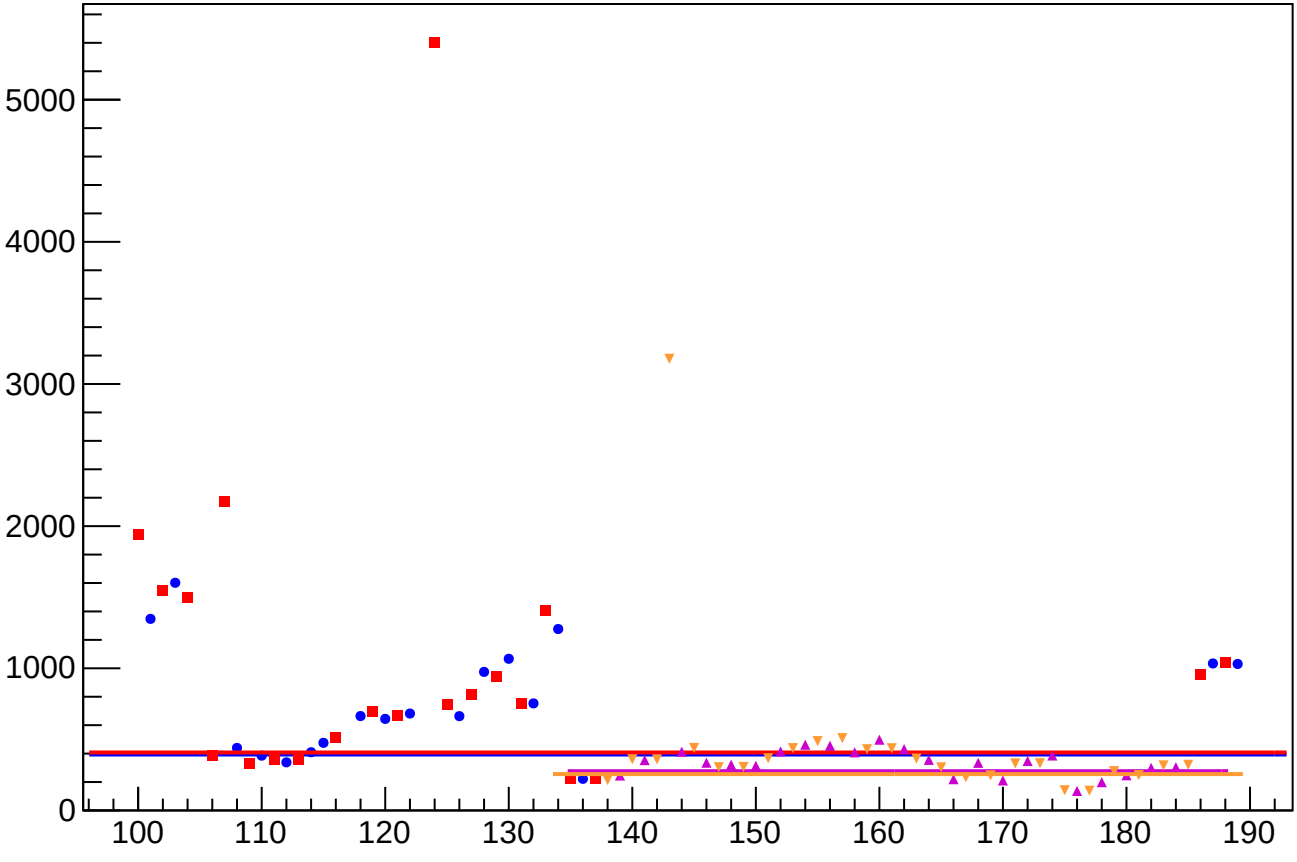
Right: -71.446+/-118.389 χ^2/NDF: 43.1/38

In: 46.682+/-63.720 χ^2/NDF:43.3/40

Out: -113.627+/-59.847 χ^2/NDF:67.0/45

All: -38.493+/-43.623 χ^2/NDF: 113.7/86

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 393.541+/-0.119 χ^2/NDF: 4866722.7/17

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 407.821+/-0.118 χ^2/NDF: 5574336.4/20

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

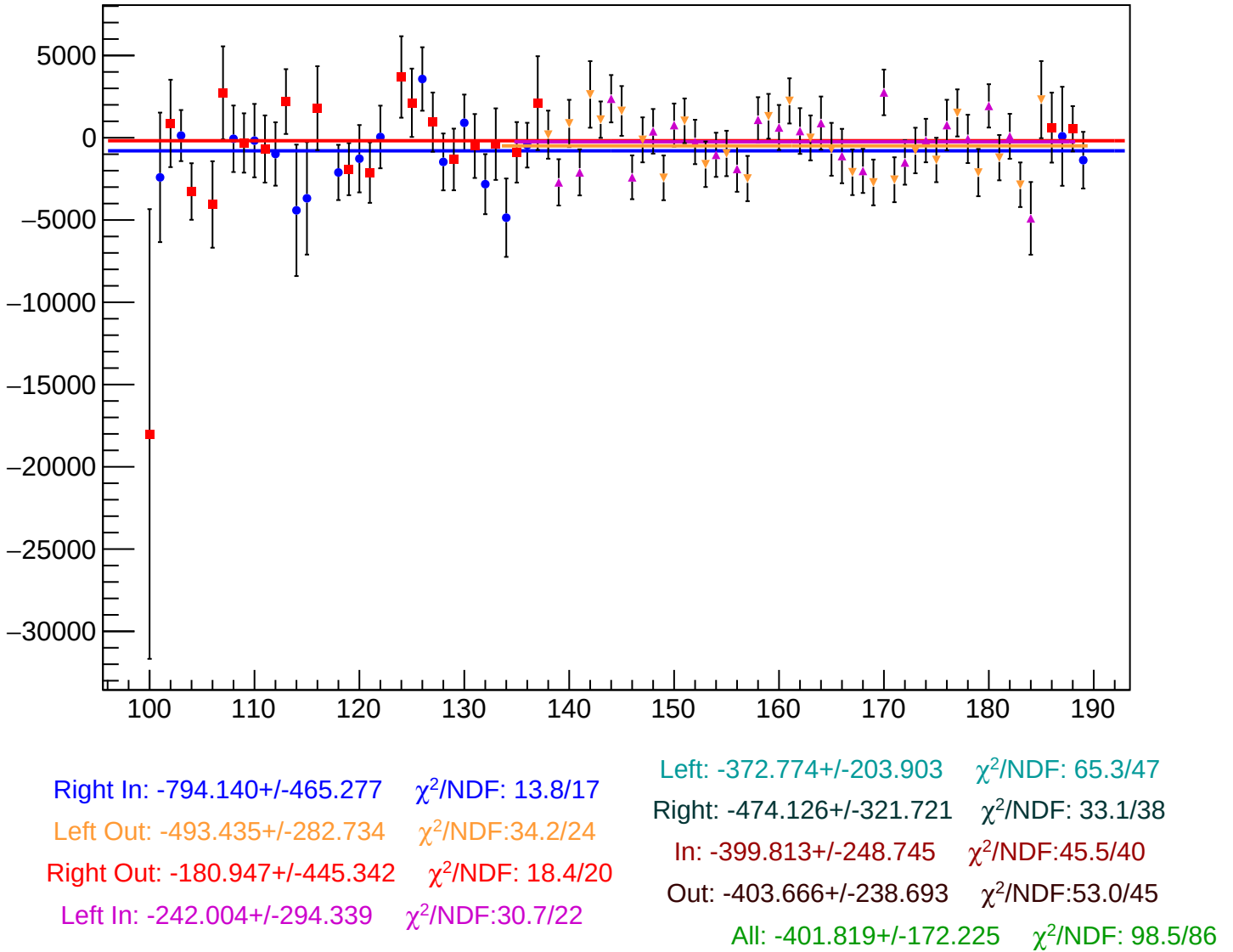
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

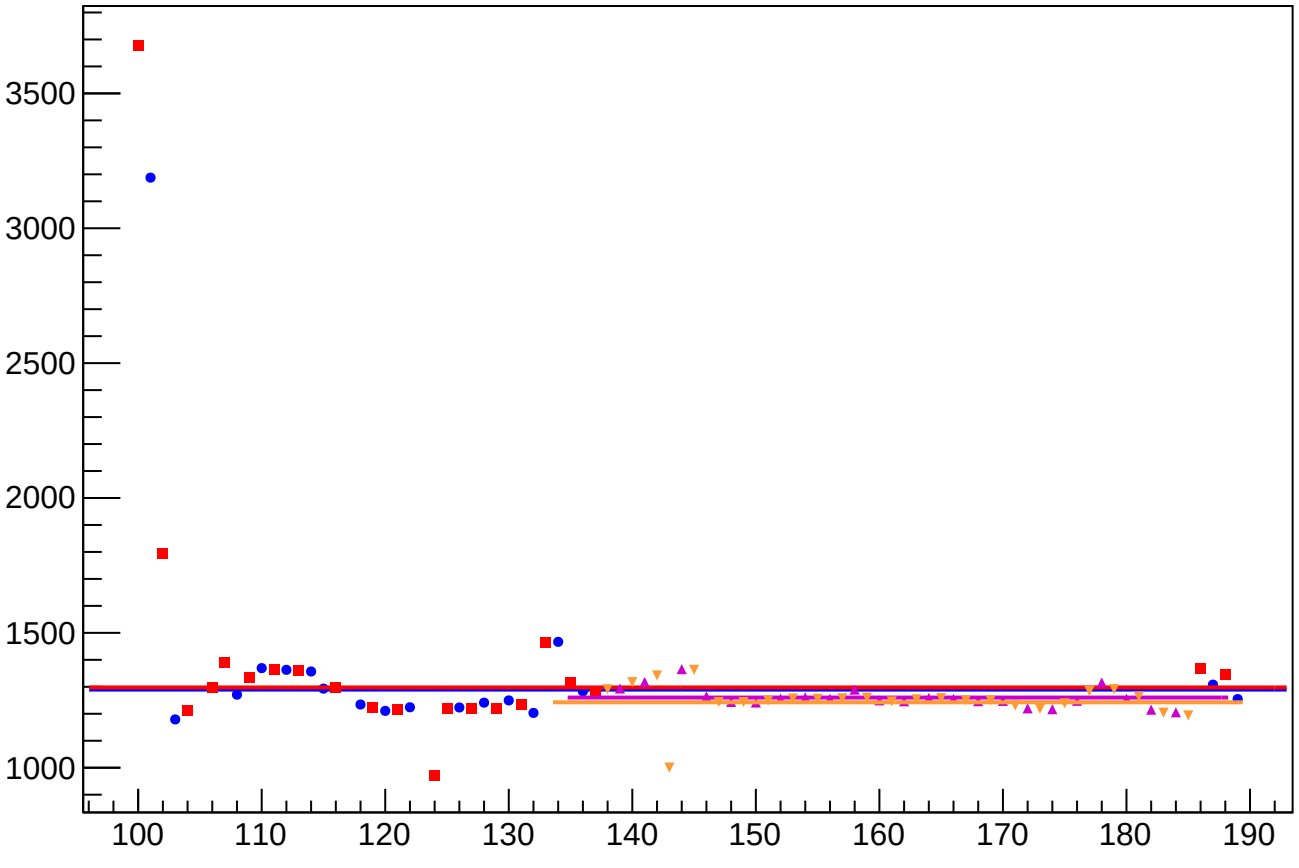
Right: 400.761+/-0.084 χ^2/NDF: 10448332.5/38

In: 293.091+/-0.045 χ^2/NDF:9725014.9/40

Out: 275.413+/-0.042 χ^2/NDF:13400729.8/45

All: 283.698+/-0.031 χ^2/NDF: 23207535.0/86


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -794.140+/-465.277 χ²/NDF: 13.8/17
Left Out: -493.435+/-282.734 χ²/NDF:34.2/24
Right Out: -180.947+/-445.342 χ²/NDF: 18.4/20
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -474.126+/-321.721 χ²/NDF: 33.1/38
In: -399.813+/-248.745 χ²/NDF:45.5/40
Out: -403.666+/-238.693 χ²/NDF:53.0/45
All: -401.819+/-172.225 χ²/NDF: 98.5/86



Right In: 1289.680+/-0.329 χ^2/NDF: 510361.0/17

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.5/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

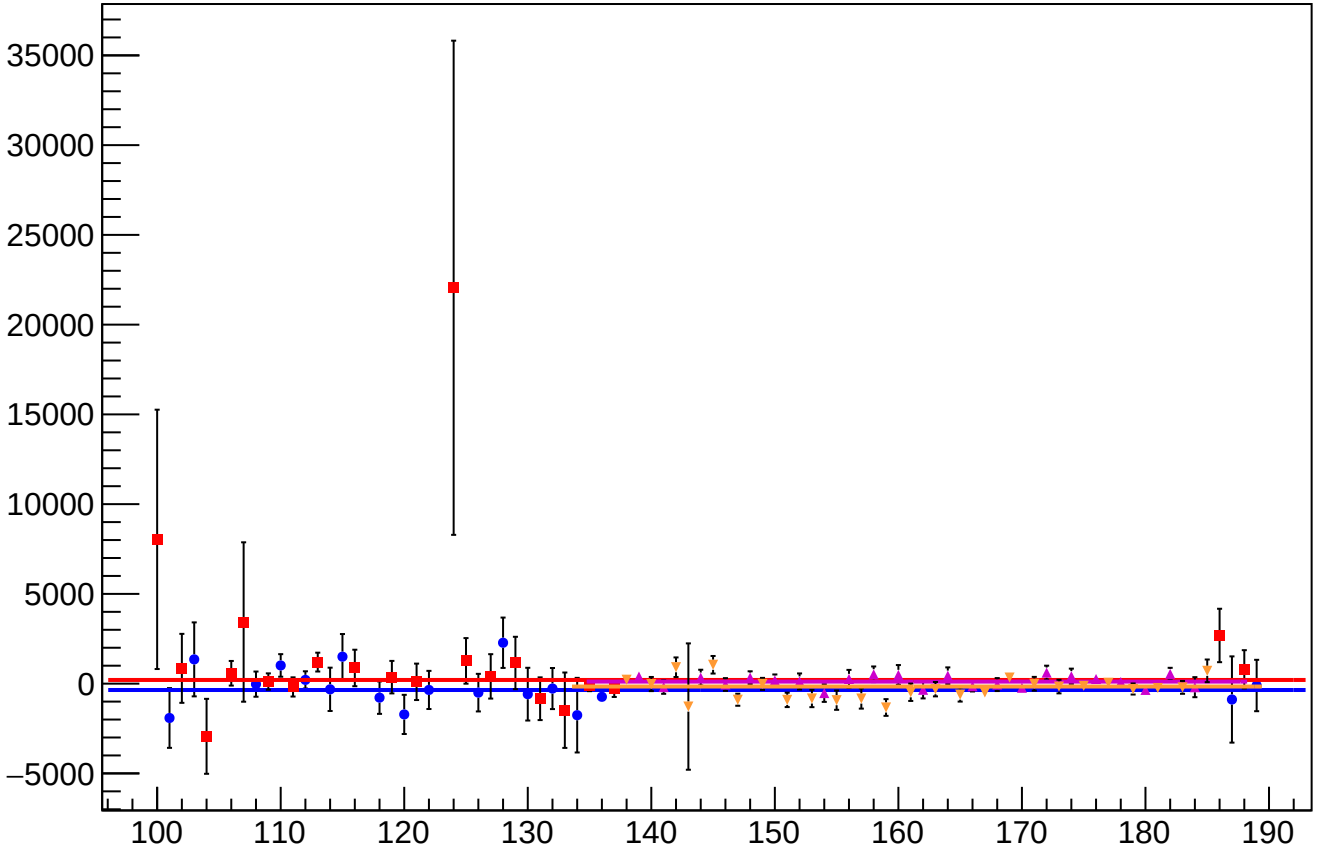
Right: 1293.826+/-0.227 χ^2/NDF: 725385.8/38

In: 1268.550+/-0.176 χ^2/NDF:544068.7/40

Out: 1258.364+/-0.169 χ^2/NDF:366551.4/45

All: 1263.247+/-0.122 χ^2/NDF: 912366.1/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -354.343+/-168.372 χ^2/NDF: 18.5/17

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 205.213+/-166.503 χ^2/NDF: 19.0/20

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

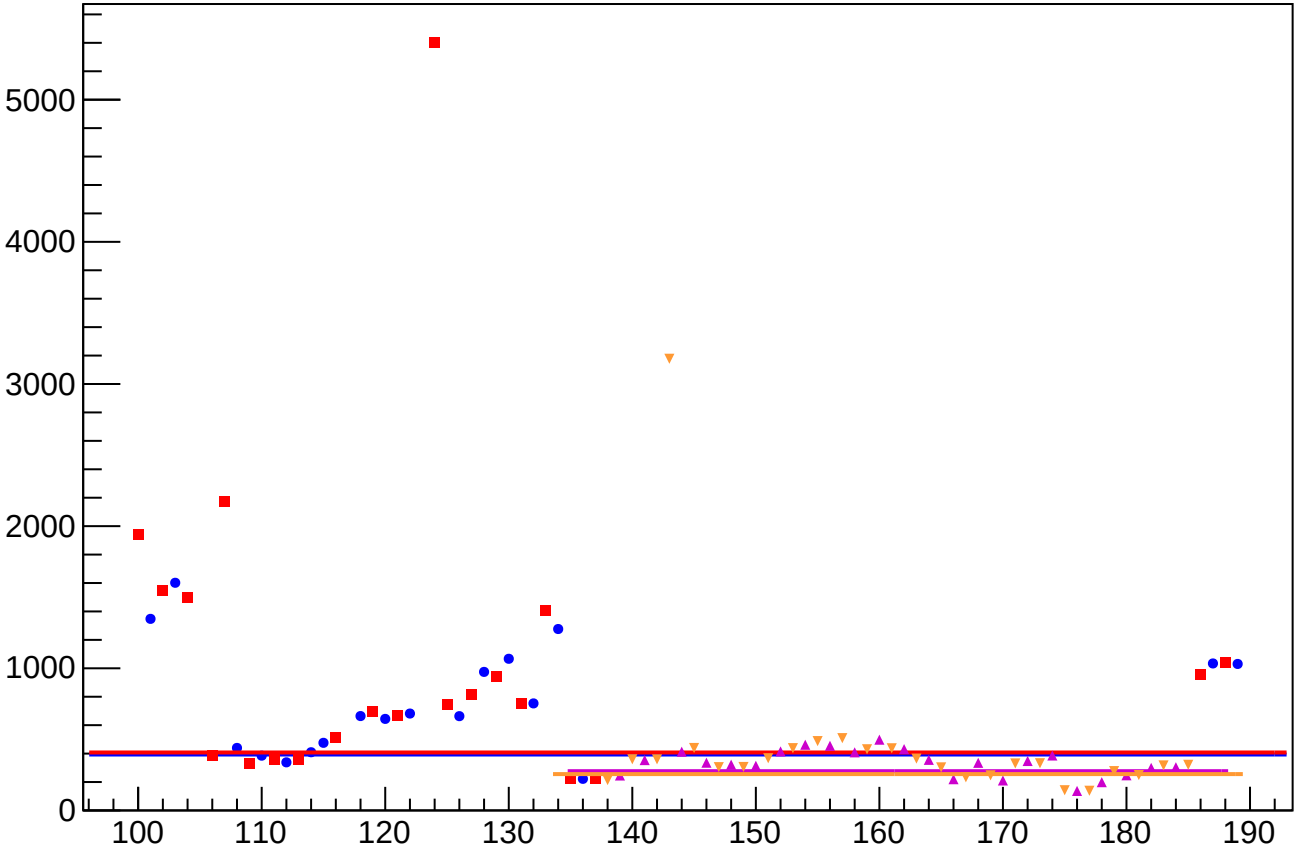
Right: -71.442+/-118.391 χ^2/NDF: 43.1/38

In: 46.682+/-63.720 χ^2/NDF:43.3/40

Out: -113.630+/-59.847 χ^2/NDF:67.0/45

All: -38.494+/-43.623 χ^2/NDF: 113.7/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 393.551+/-0.119 χ^2/NDF: 4866523.3/17

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 407.829+/-0.118 χ^2/NDF: 5574173.8/20

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

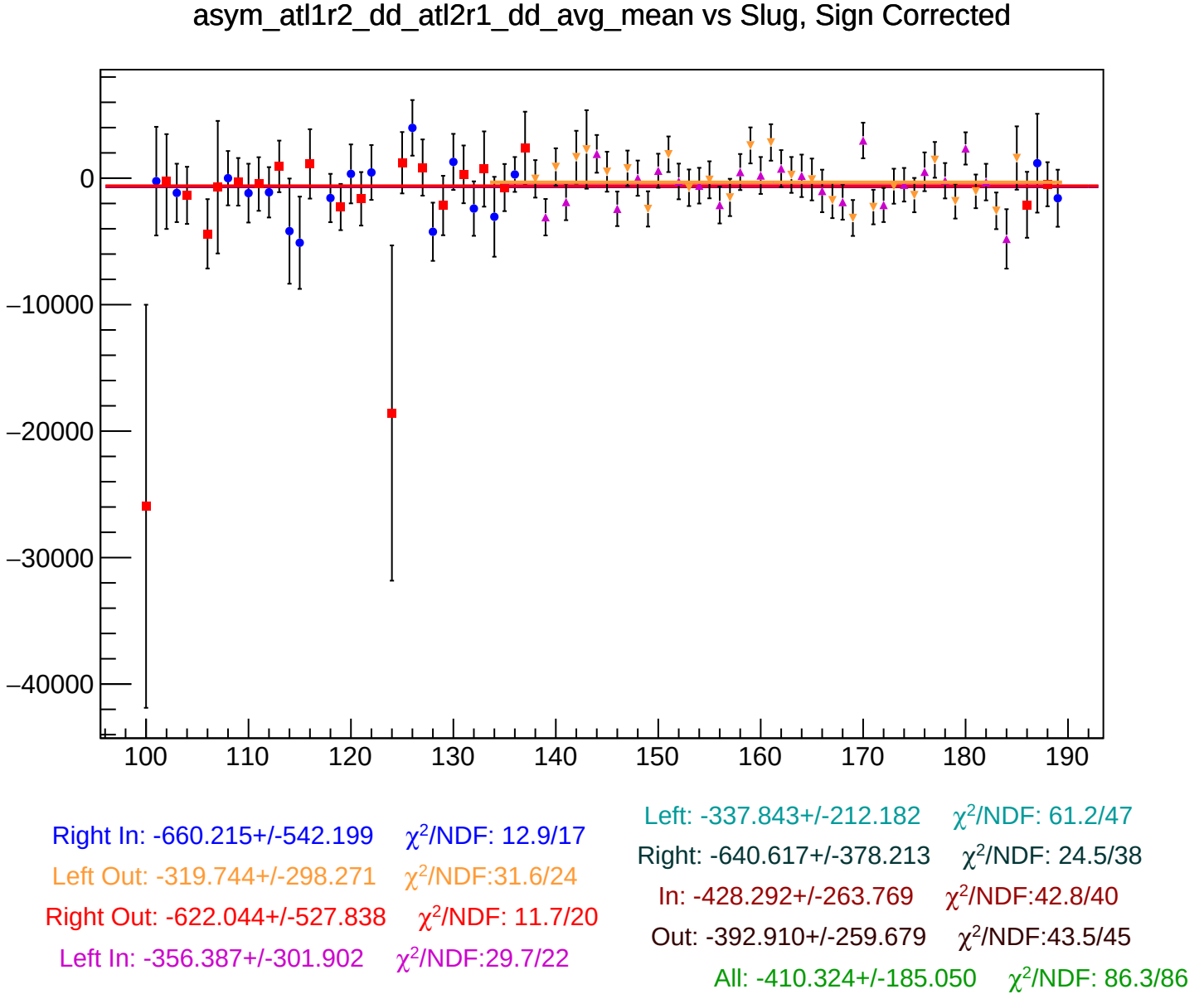
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 400.770+/-0.084 χ^2/NDF: 10447968.2/38

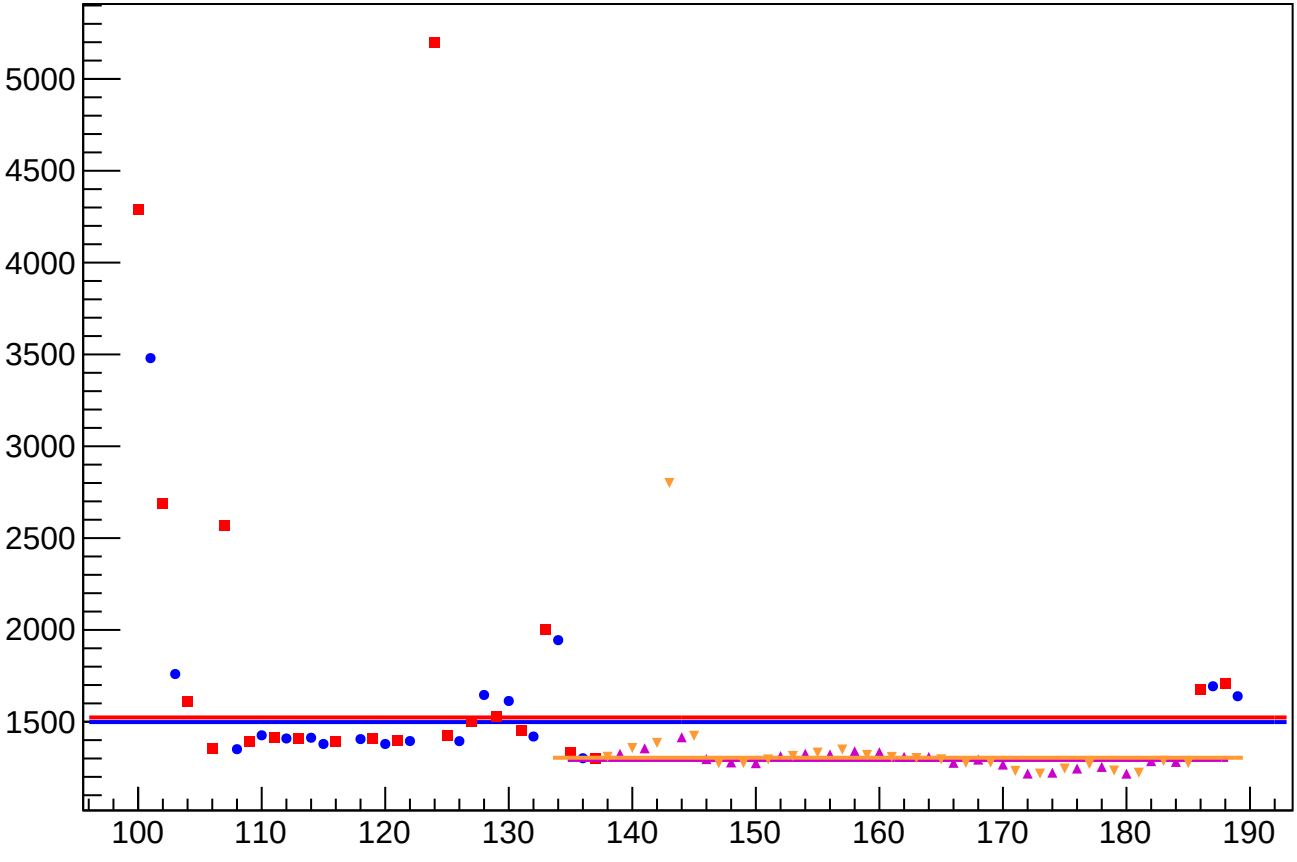
In: 293.092+/-0.045 χ^2/NDF:9724890.1/40

Out: 275.415+/-0.042 χ^2/NDF:13400563.7/45

All: 283.700+/-0.031 χ^2/NDF: 23207239.6/86


asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -660.215+/-542.199 χ²/NDF: 12.9/17
Left Out: -319.744+/-298.271 χ²/NDF:31.6/24
Right Out: -622.044+/-527.838 χ²/NDF: 11.7/20
Left In: -356.387+/-301.902 χ²/NDF:29.7/22
Left: -337.843+/-212.182 χ²/NDF: 61.2/47
Right: -640.617+/-378.213 χ²/NDF: 24.5/38
In: -428.292+/-263.769 χ²/NDF:42.8/40
Out: -392.910+/-259.679 χ²/NDF:43.5/45
All: -410.324+/-185.050 χ²/NDF: 86.3/86

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1498.249+/-0.383 χ^2/NDF: 598283.9/17

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1523.482+/-0.373 χ^2/NDF: 656715.2/20

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

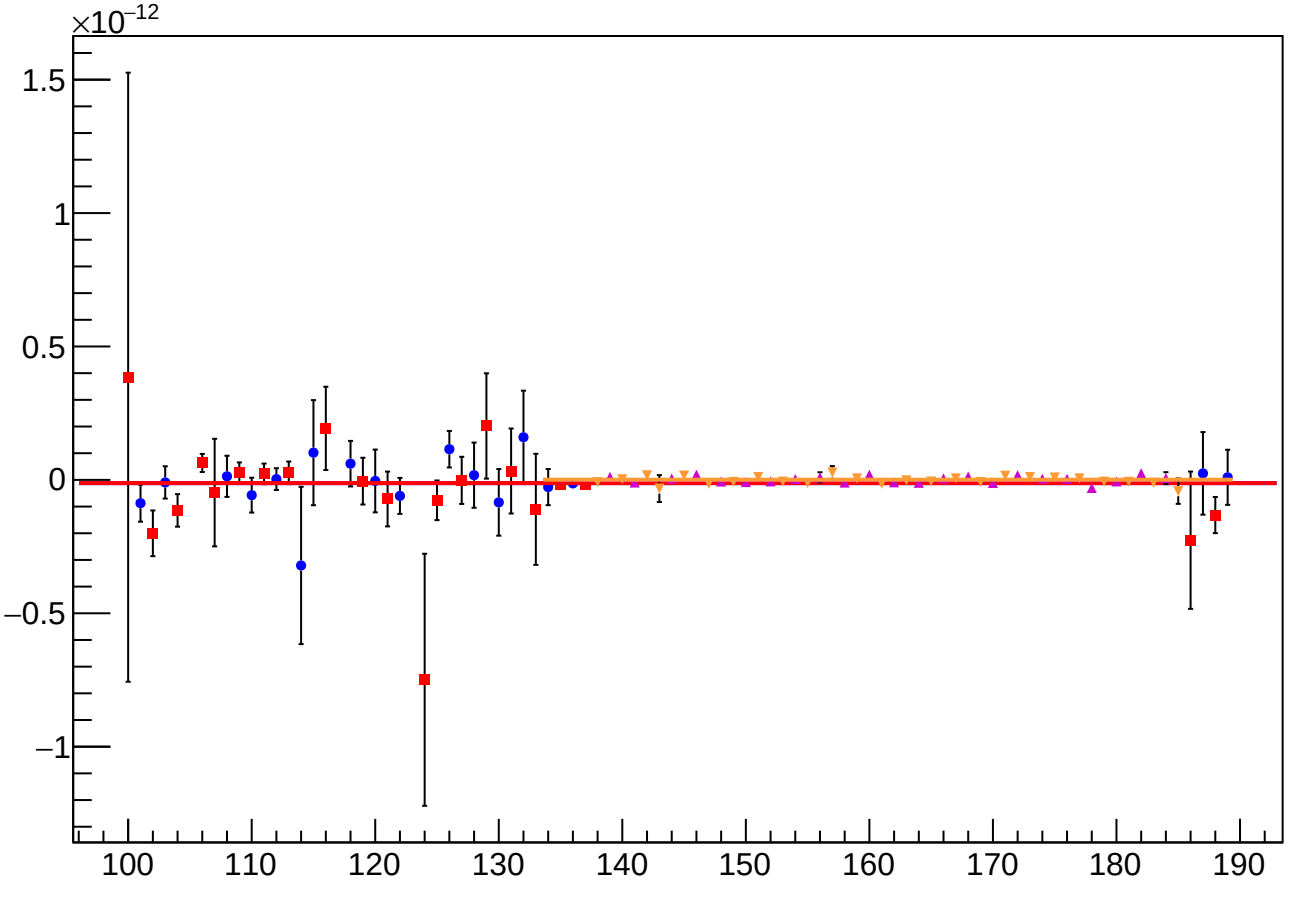
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1511.204+/-0.267 χ^2/NDF: 1257223.0/38

In: 1340.906+/-0.187 χ^2/NDF:867272.8/40

Out: 1357.240+/-0.184 χ^2/NDF:1438060.3/45

All: 1349.201+/-0.131 χ^2/NDF: 2309228.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 9.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

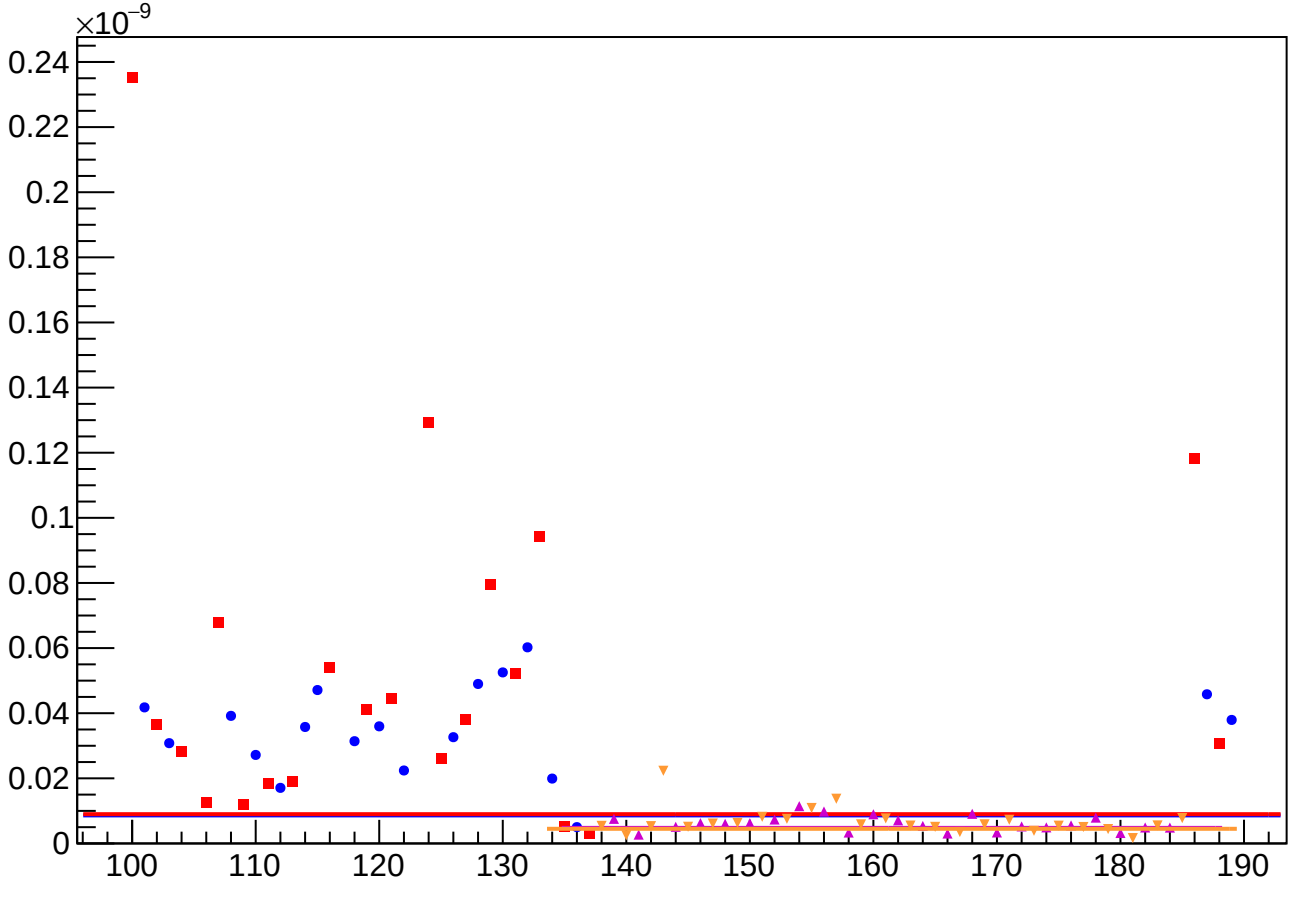
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 35.7/38

In: -0.000+/-0.000 χ^2/NDF:41.3/40

Out: -0.000+/-0.000 χ^2/NDF:52.9/45

All: -0.000+/-0.000 χ^2/NDF: 94.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 3338564.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3922083.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

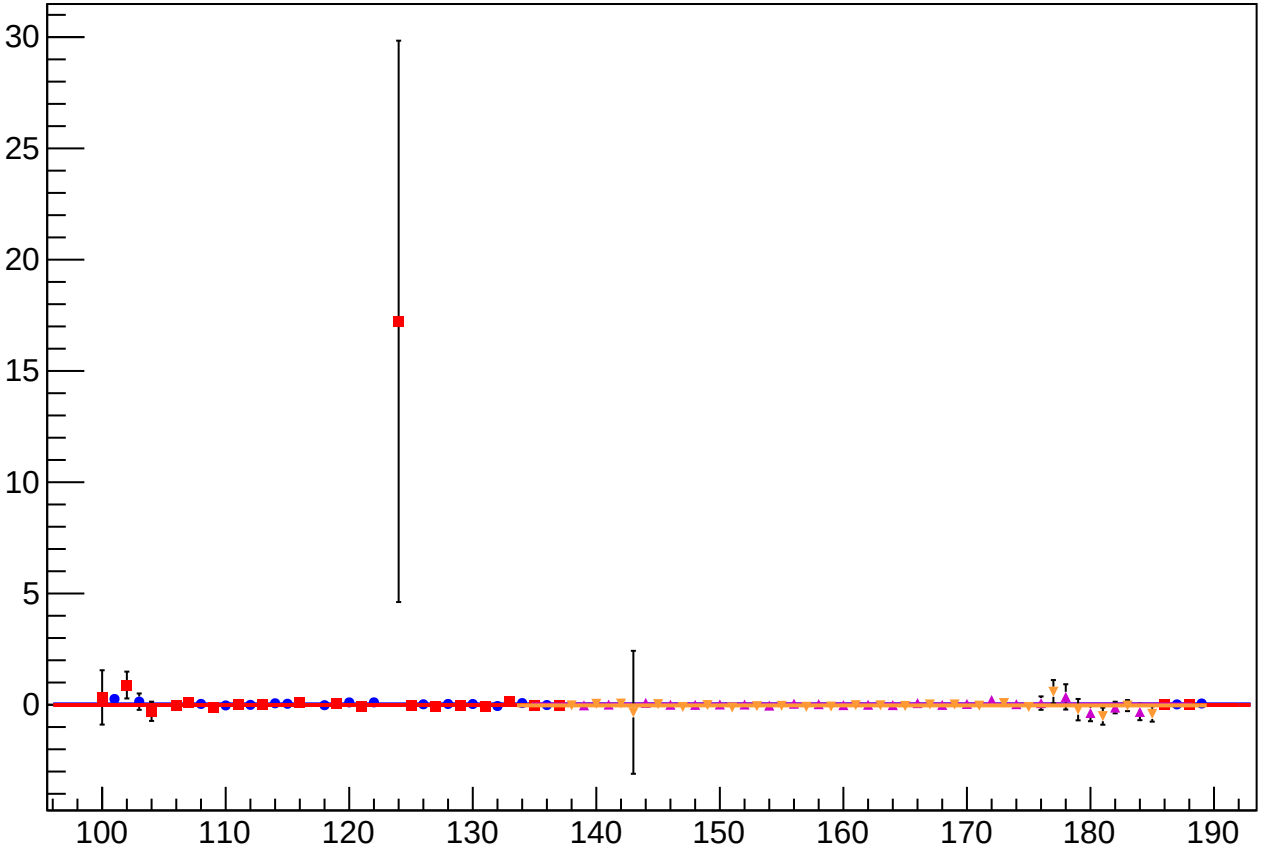
Right: 0.000+/-0.000 χ^2/NDF: 7263013.9/38

In: 0.000+/-0.000 χ^2/NDF:5723972.0/40

Out: 0.000+/-0.000 χ^2/NDF:7240495.8/45

All: 0.000+/-0.000 χ^2/NDF: 12990997.0/86

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

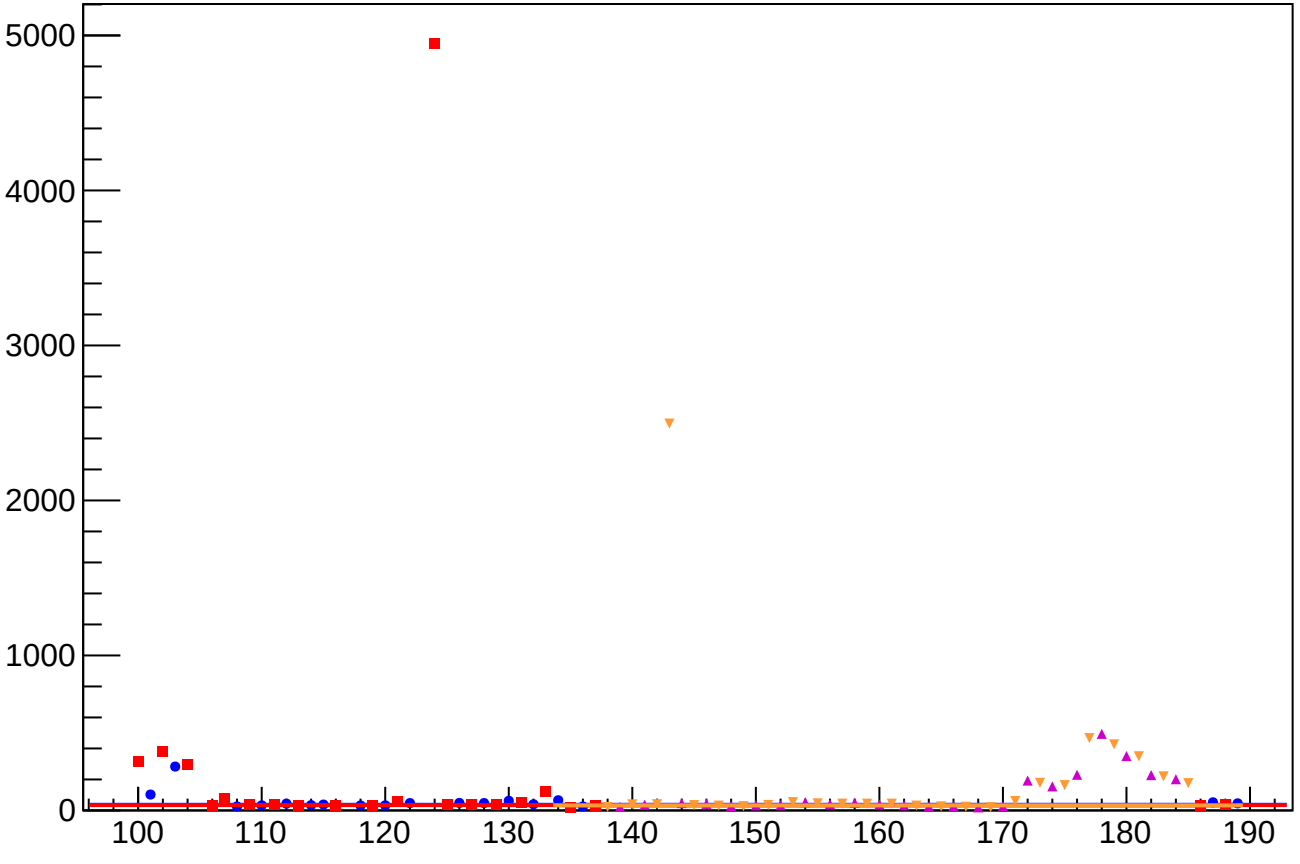
Right: 0.004+/-0.010 χ^2/NDF: 30.1/38

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 80.7/86

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

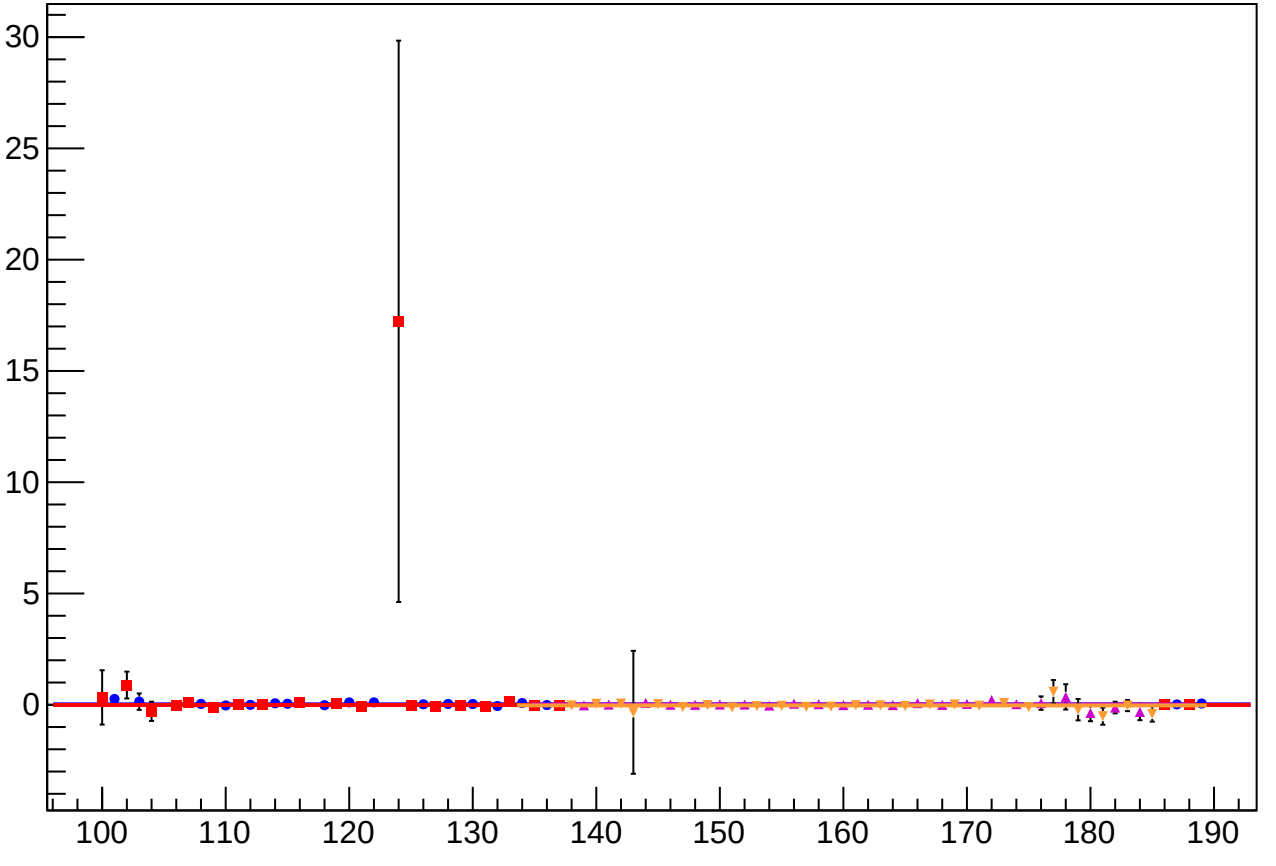
Right: 35.465+/-0.007 χ^2/NDF: 5296558.0/38

In: 33.800+/-0.006 χ^2/NDF:11387632.0/40

Out: 33.195+/-0.006 χ^2/NDF:13844256.9/45

All: 33.492+/-0.004 χ^2/NDF: 25237686.8/86

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

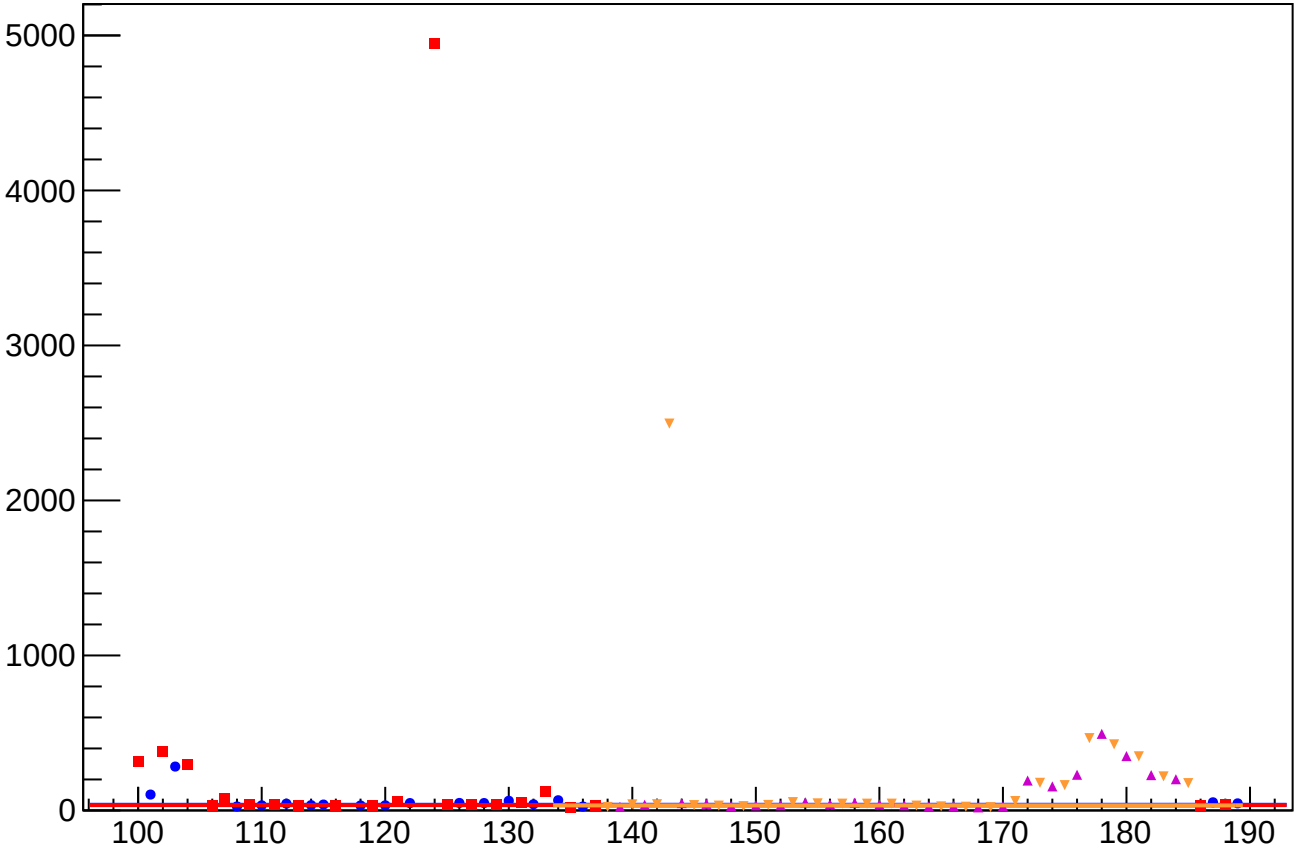
Right: 0.004+/-0.010 χ^2/NDF: 30.1/38

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 80.7/86

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.439+/-0.011 χ^2/NDF: 2337273.5/17

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

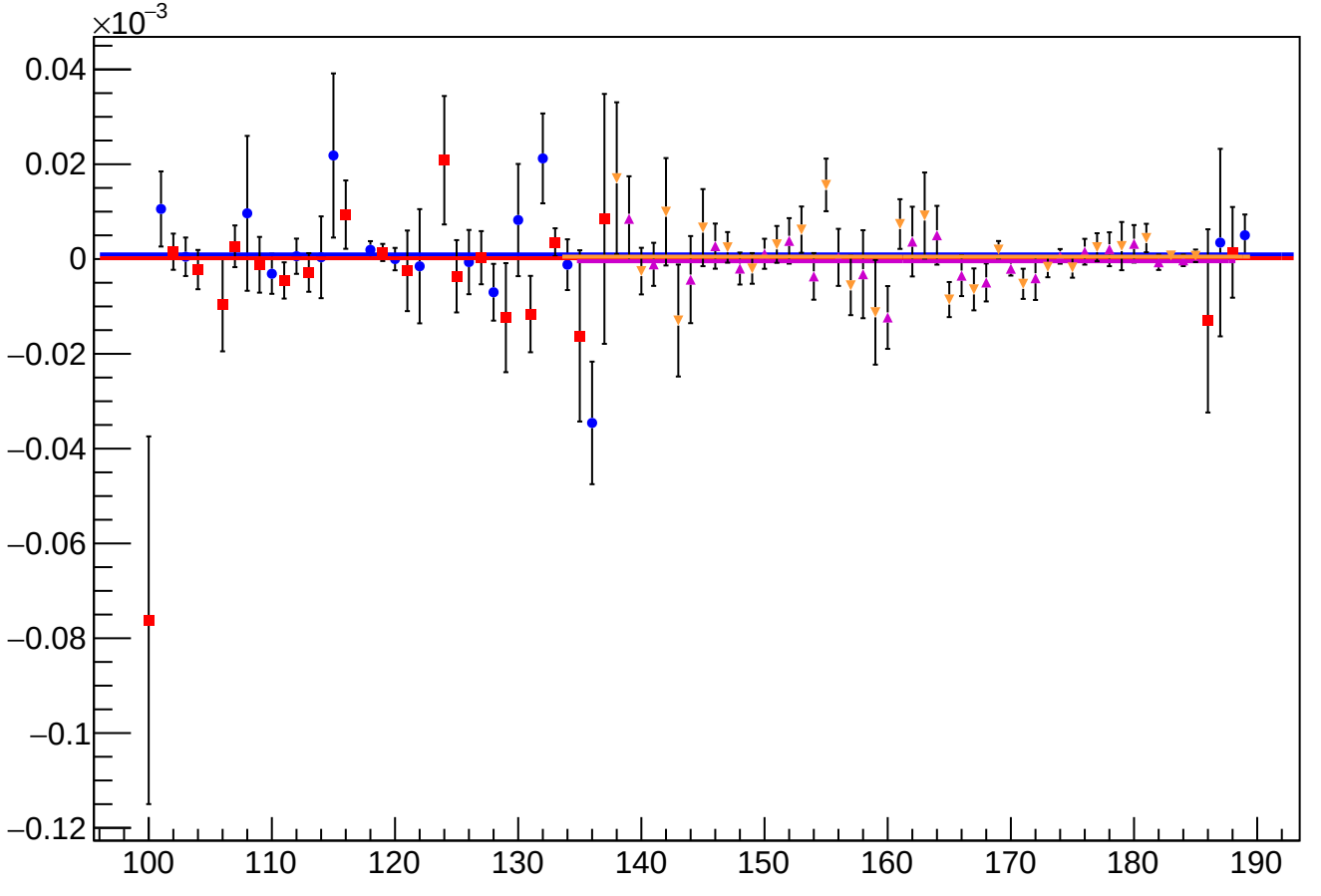
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.465+/-0.007 χ^2/NDF: 5296558.0/38

In: 33.800+/-0.006 χ^2/NDF:11387632.0/40

Out: 33.195+/-0.006 χ^2/NDF:13844256.9/45

All: 33.492+/-0.004 χ^2/NDF: 25237686.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

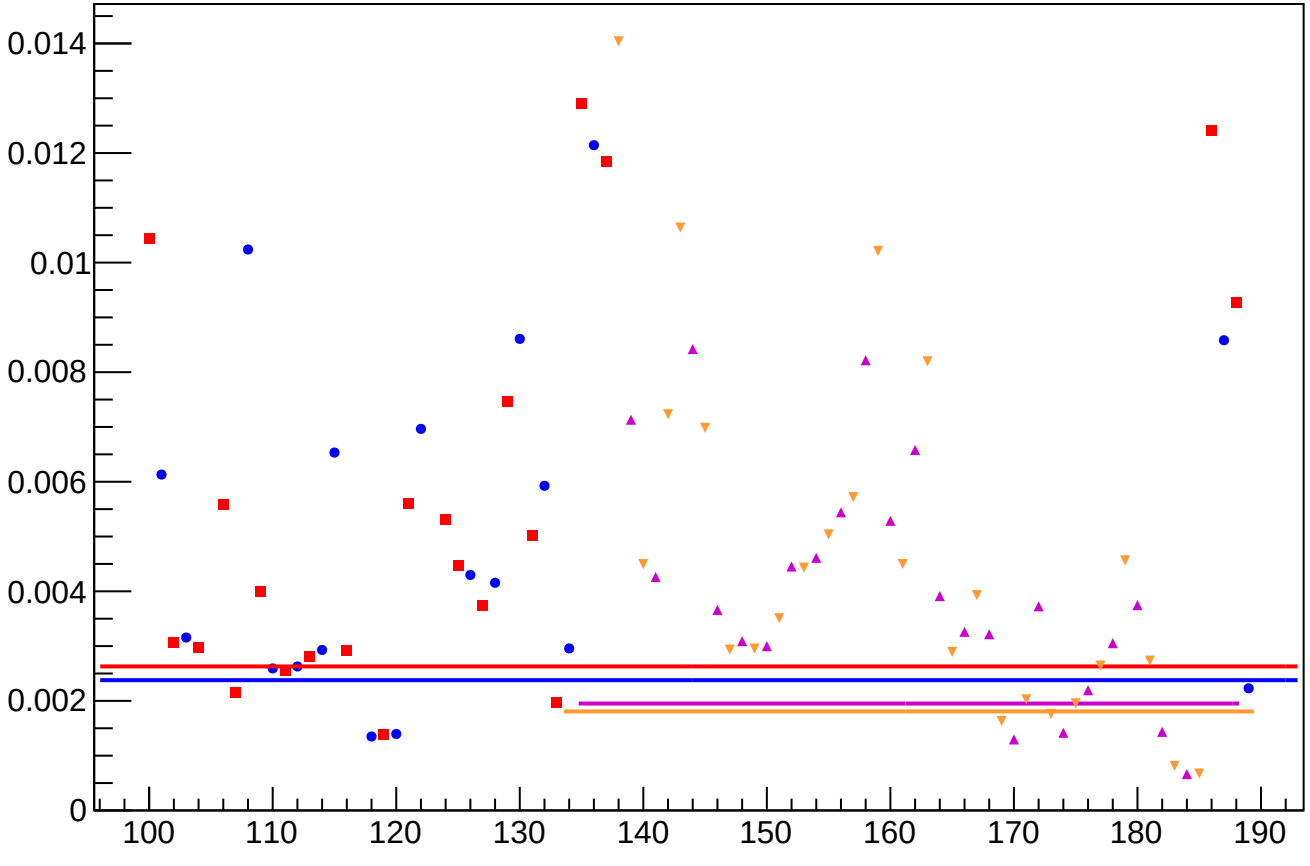
Right: 0.000+/-0.000 χ^2/NDF: 38.9/38

In: -0.000+/-0.000 χ^2/NDF:35.1/40

Out: 0.000+/-0.000 χ^2/NDF:54.4/45

All: 0.000+/-0.000 χ^2/NDF: 90.1/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4920920.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4894314.9/20

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

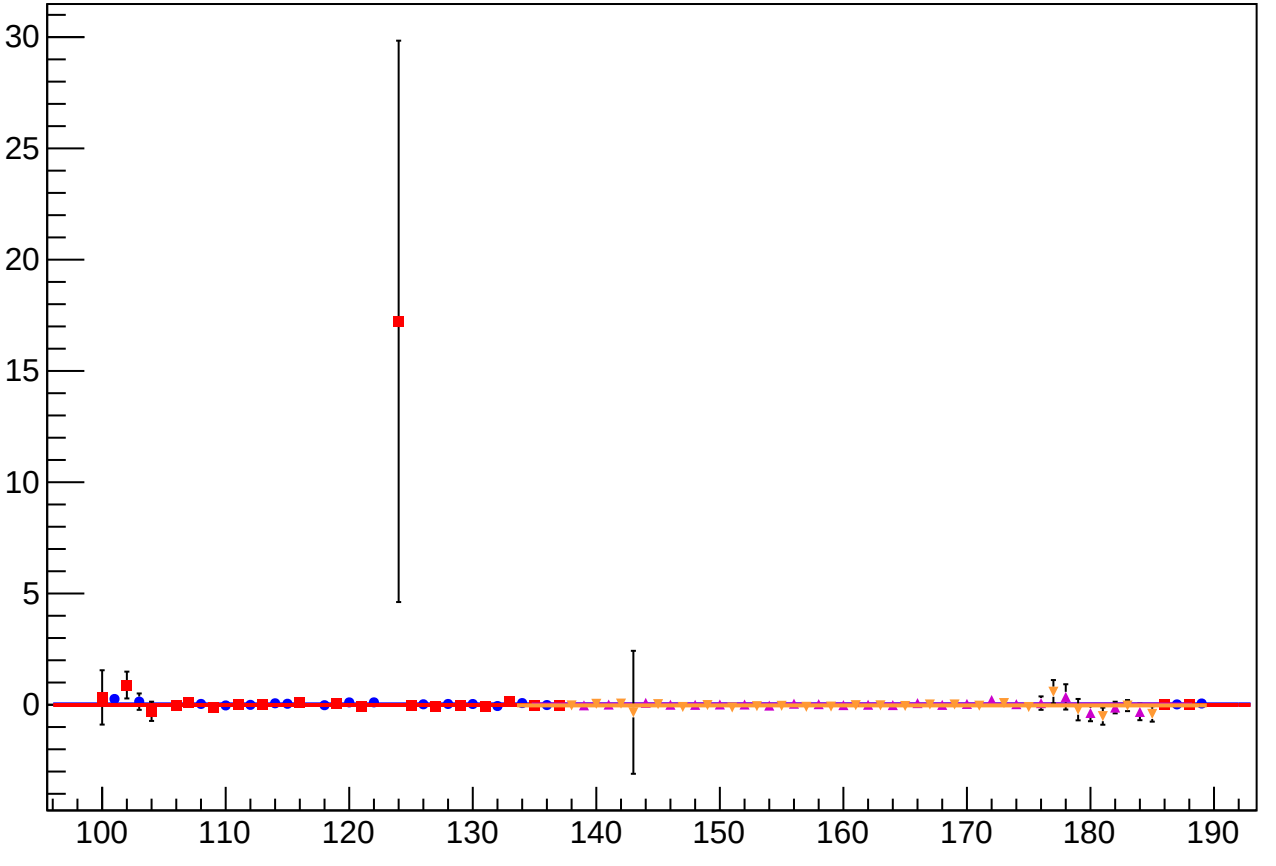
Right: 0.003+/-0.000 χ^2/NDF: 9870924.6/38

In: 0.002+/-0.000 χ^2/NDF:16643075.7/40

Out: 0.002+/-0.000 χ^2/NDF:20790288.4/45

All: 0.002+/-0.000 χ^2/NDF: 37452564.0/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

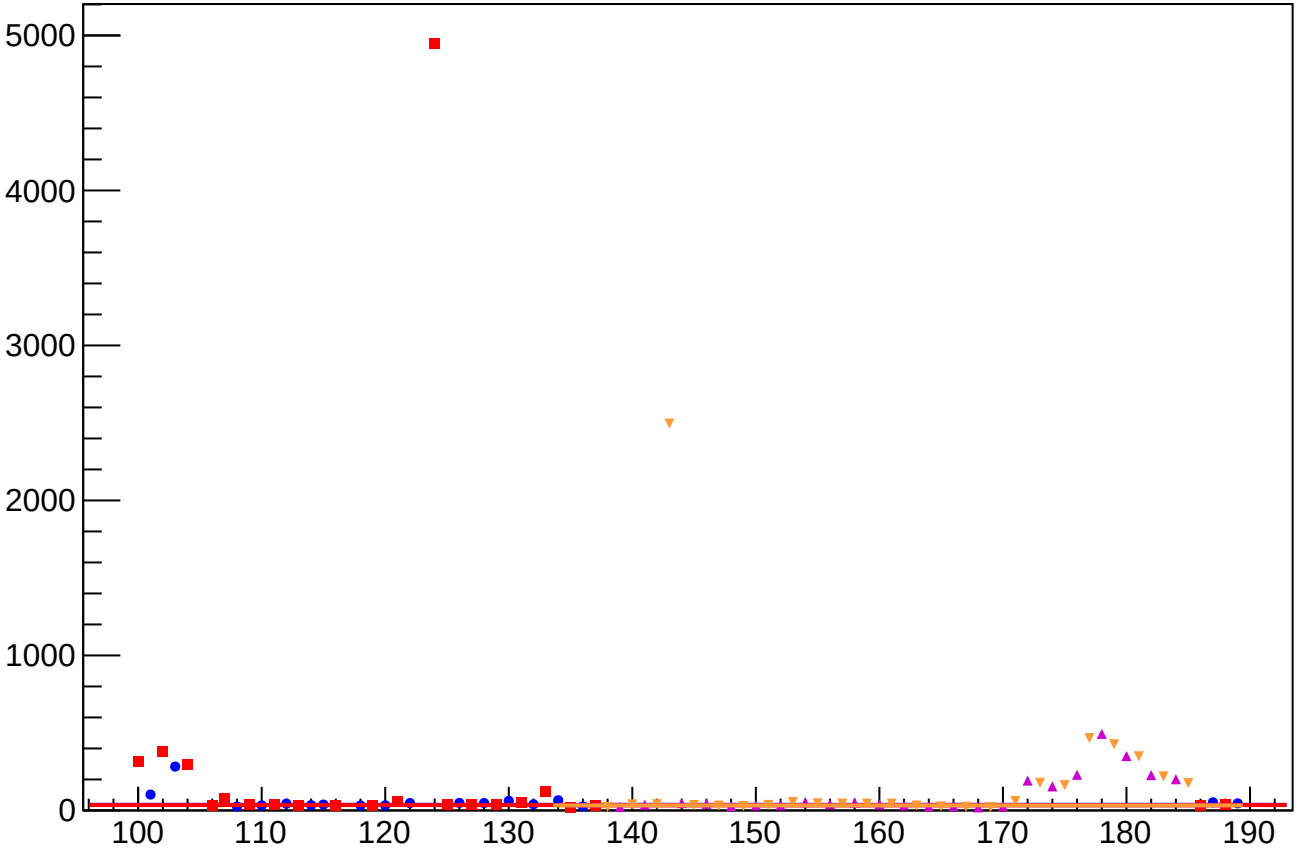
Right: 0.004+/-0.010 χ^2/NDF: 30.1/38

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 80.7/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

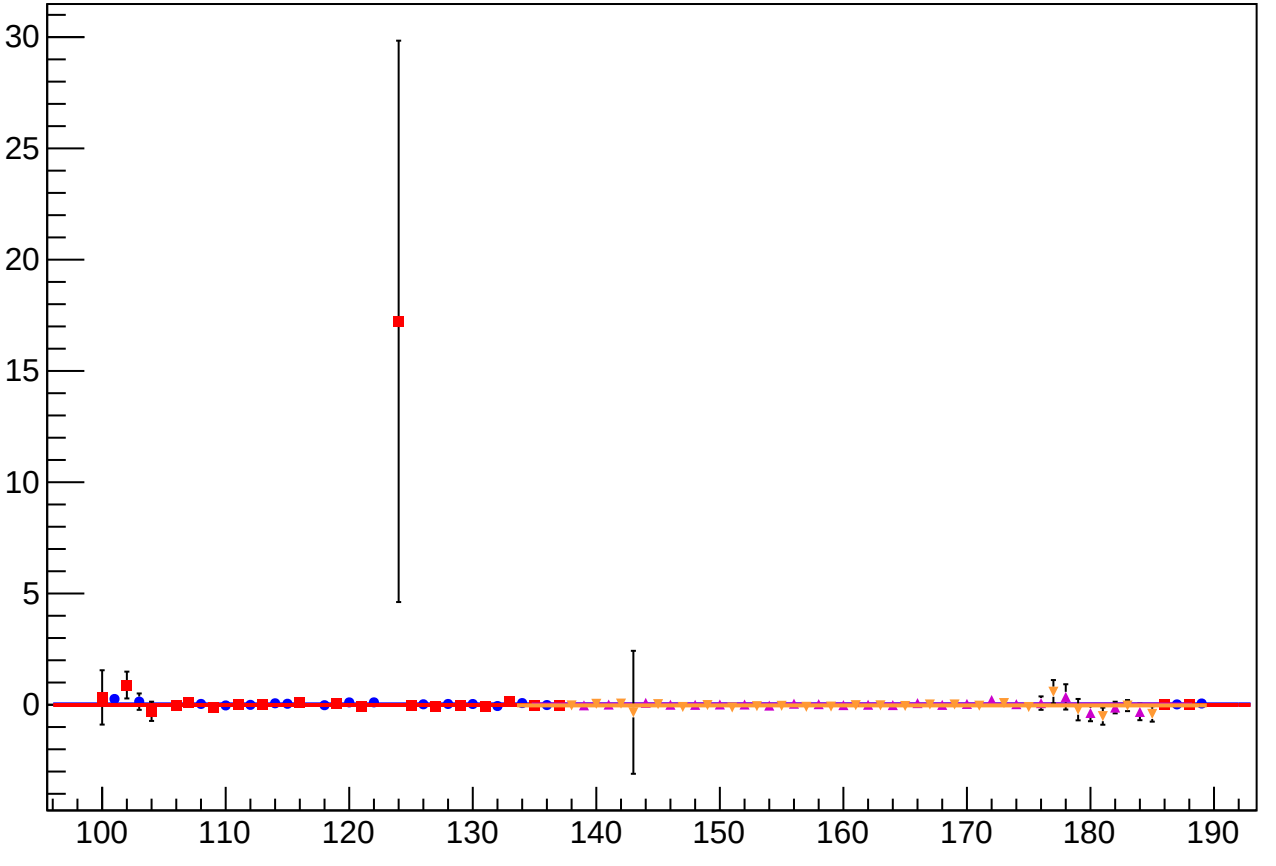
Right: 35.466+/-0.007 χ^2/NDF: 5296098.0/38

In: 33.800+/-0.006 χ^2/NDF:11388094.2/40

Out: 33.195+/-0.006 χ^2/NDF:13844349.7/45

All: 33.492+/-0.004 χ^2/NDF: 25238231.7/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 11.8/17

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

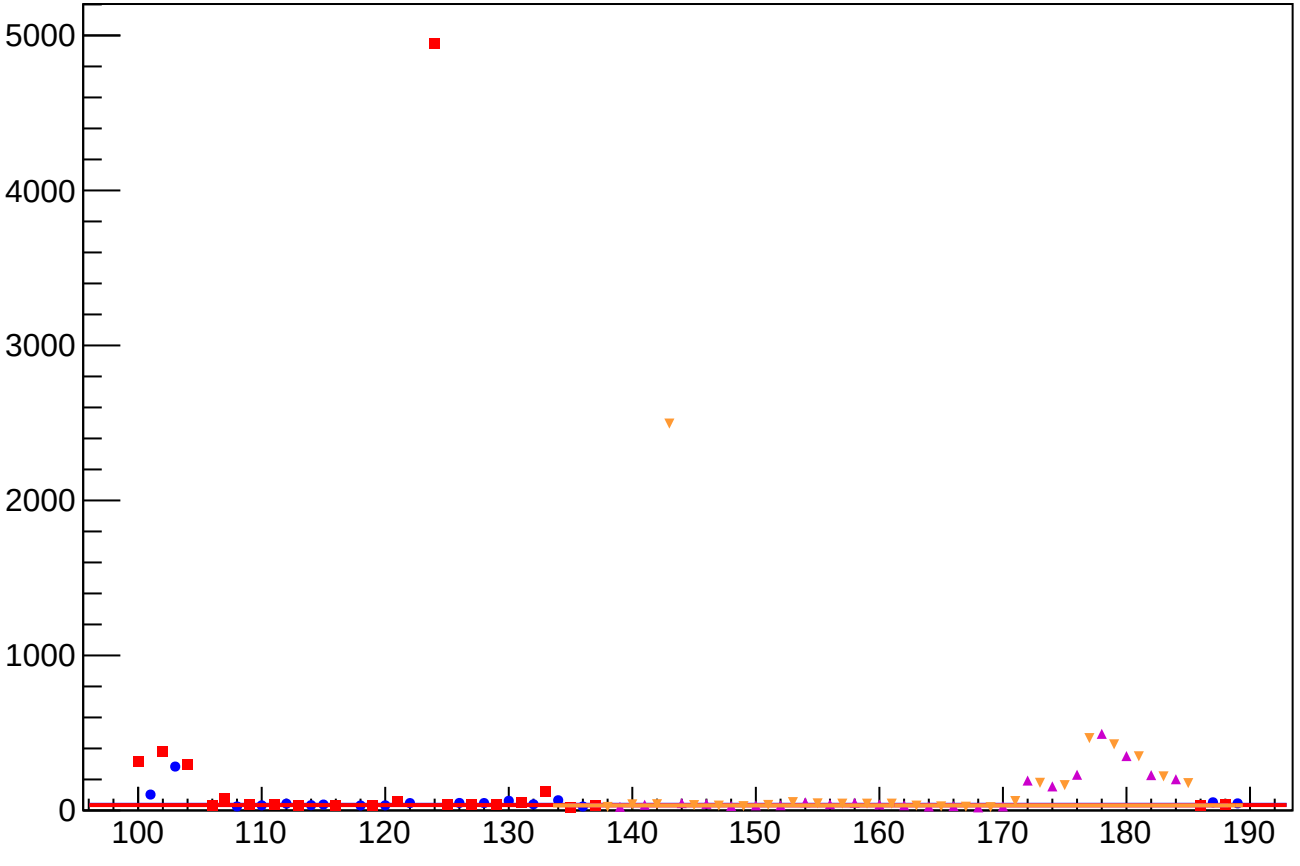
Right: 0.004+/-0.010 χ^2/NDF: 30.1/38

In: 0.013+/-0.008 χ^2/NDF:25.2/40

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 80.7/86

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.441+/-0.011 χ^2/NDF: 2336973.1/17

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

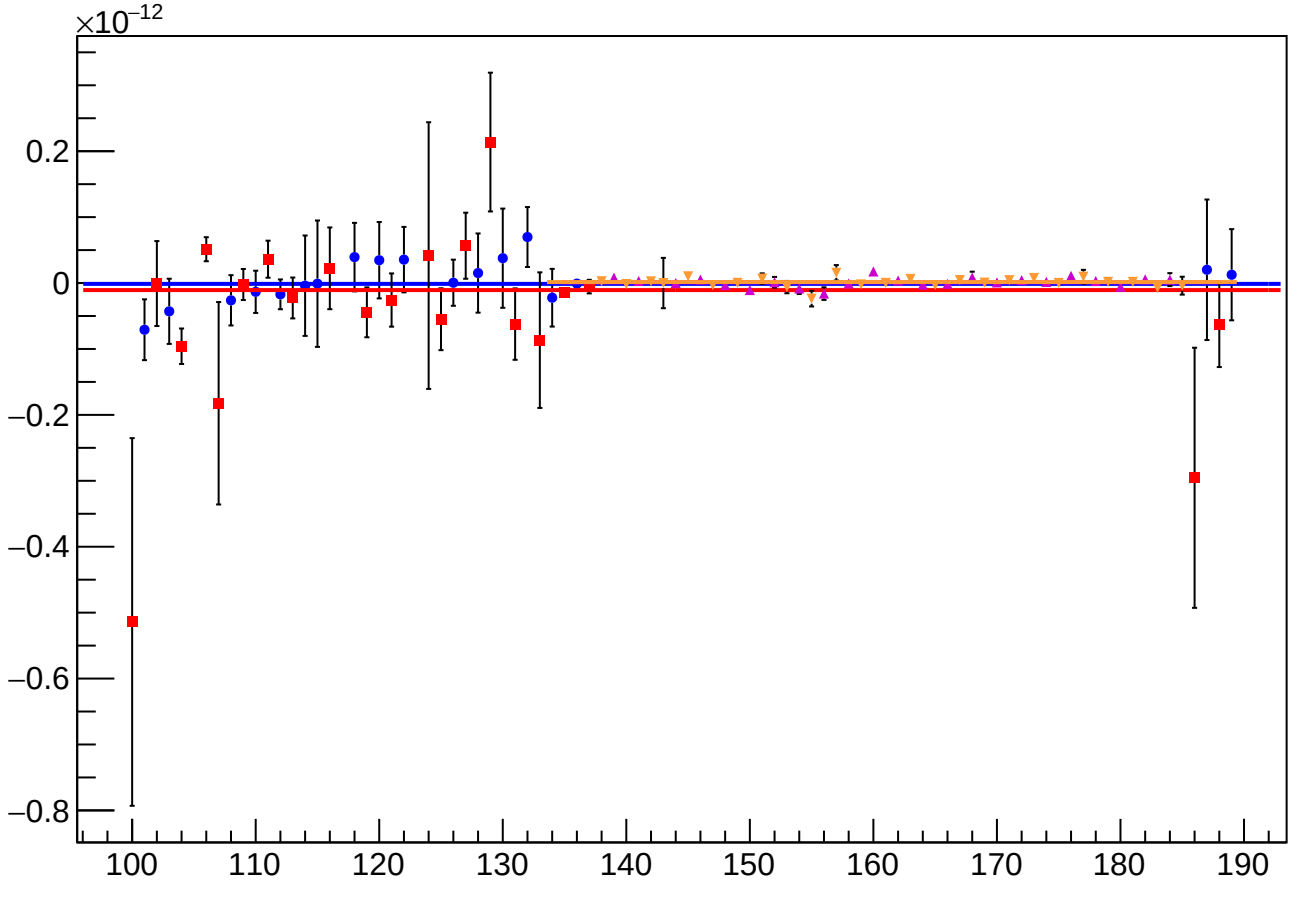
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 35.466+/-0.007 χ^2/NDF: 5296098.0/38

In: 33.800+/-0.006 χ^2/NDF:11388094.2/40

Out: 33.195+/-0.006 χ^2/NDF:13844349.7/45

All: 33.492+/-0.004 χ^2/NDF: 25238231.7/86



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.6/20

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

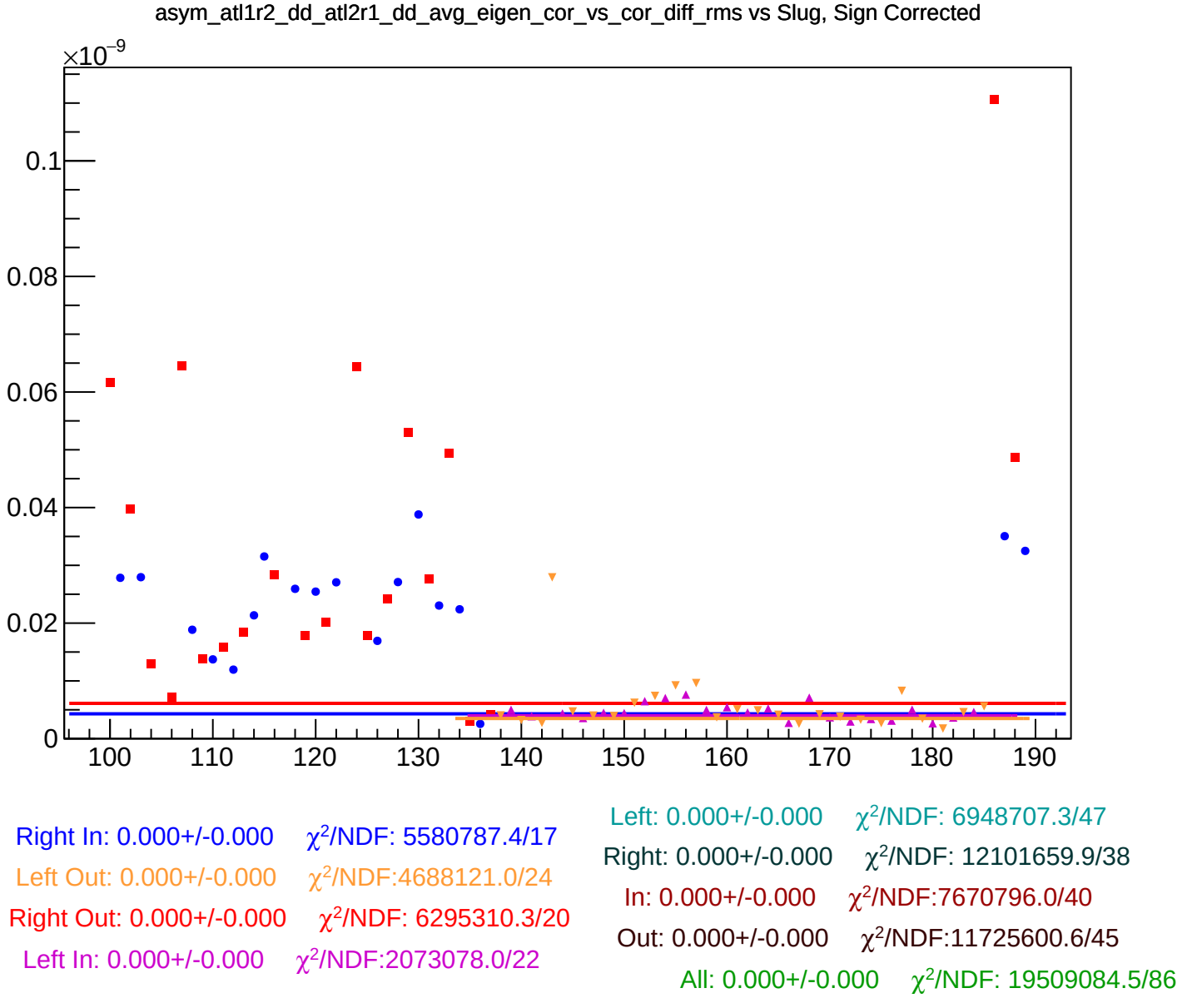
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

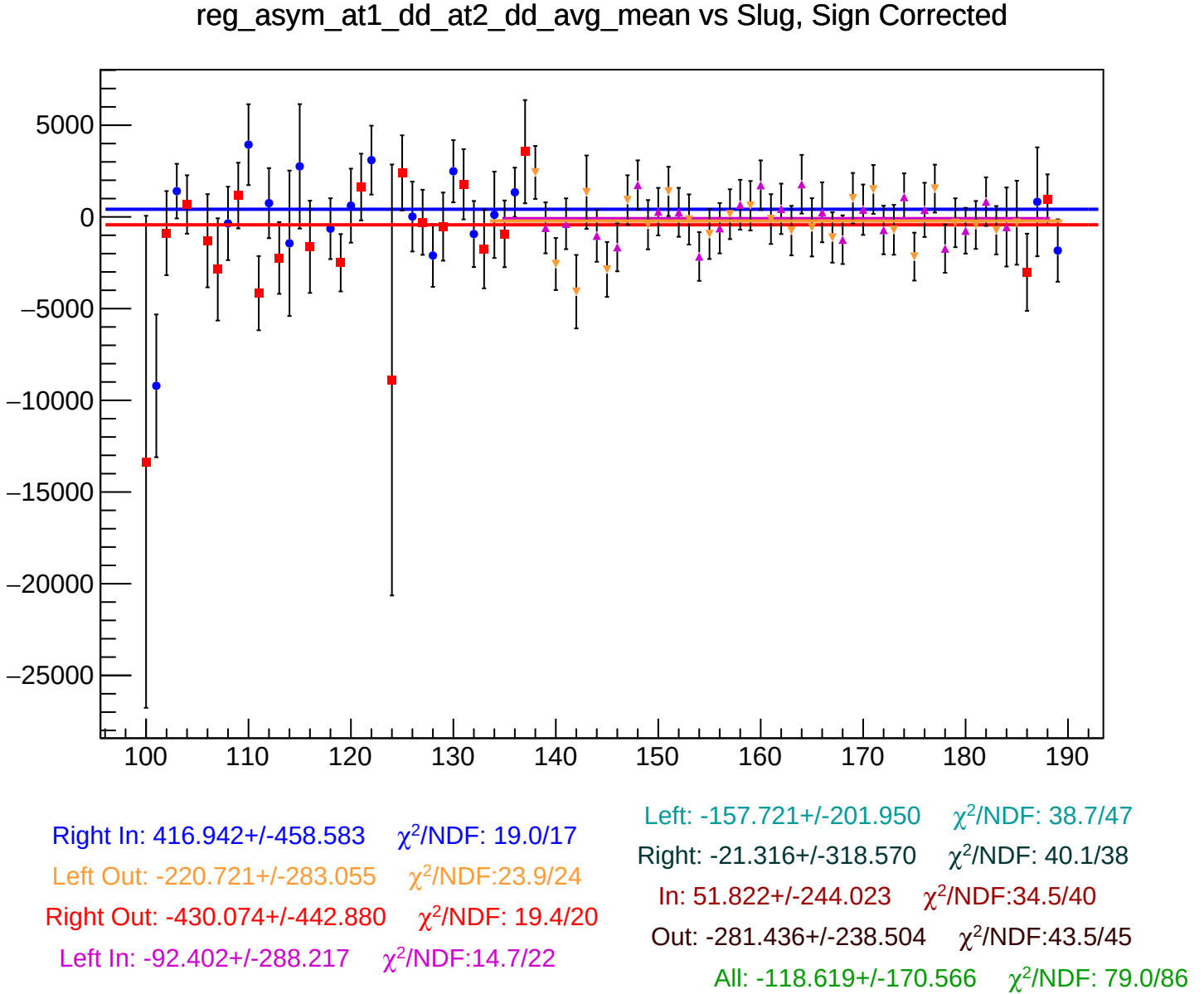
Right: -0.000+/-0.000 χ^2/NDF: 54.4/38

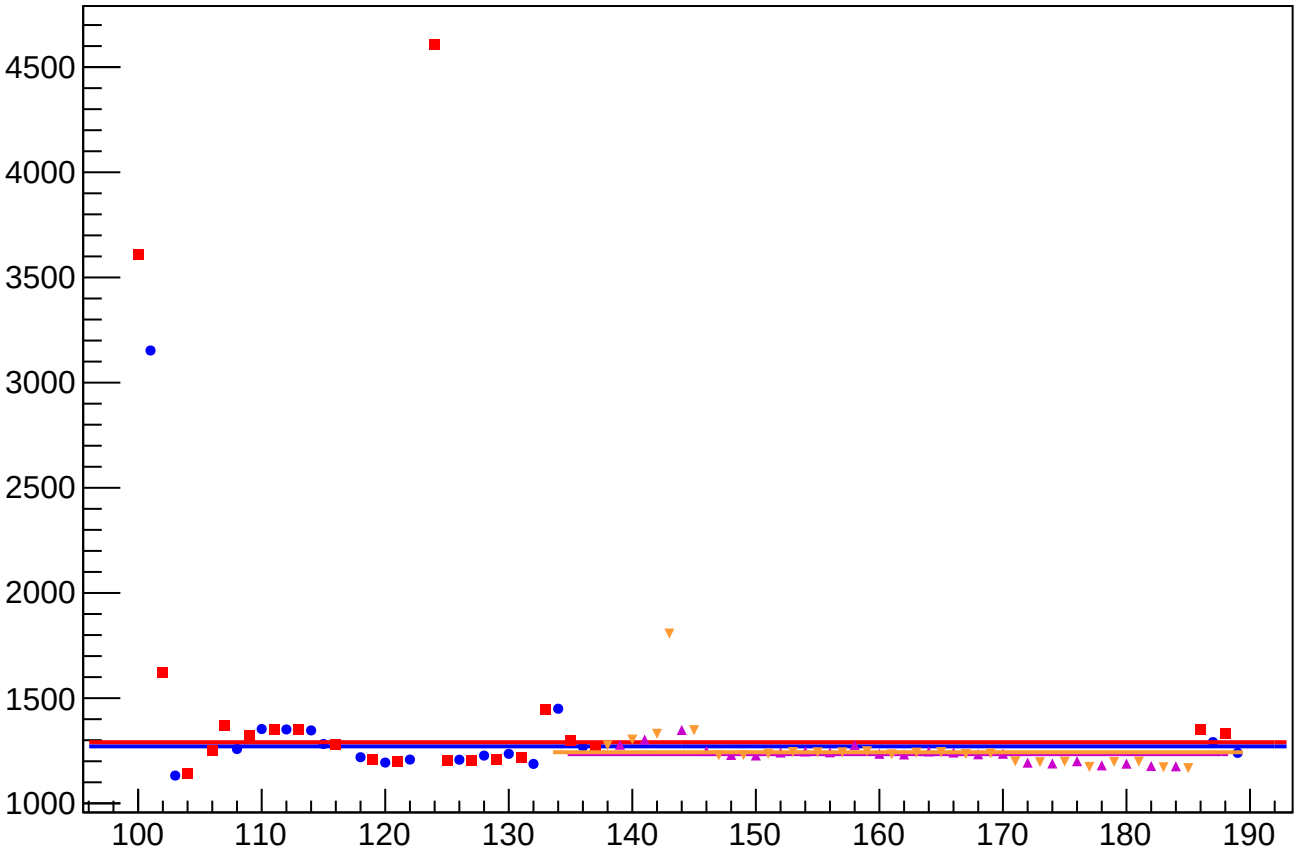
In: 0.000+/-0.000 χ^2/NDF:37.9/40

Out: 0.000+/-0.000 χ^2/NDF:68.7/45

All: 0.000+/-0.000 χ^2/NDF: 106.6/86


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 5580787.4/17
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6295310.3/20
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 12101659.9/38
In: 0.000+/-0.000 χ²/NDF:7670796.0/40
Out: 0.000+/-0.000 χ²/NDF:11725600.6/45
All: 0.000+/-0.000 χ²/NDF: 19509084.5/86


reg_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 416.942+/-458.583 χ²/NDF: 19.0/17
Left Out: -220.721+/-283.055 χ²/NDF:23.9/24
Right Out: -430.074+/-442.880 χ²/NDF: 19.4/20
Left In: -92.402+/-288.217 χ²/NDF:14.7/22
Left: -157.721+/-201.950 χ²/NDF: 38.7/47
Right: -21.316+/-318.570 χ²/NDF: 40.1/38
In: 51.822+/-244.023 χ²/NDF:34.5/40
Out: -281.436+/-238.504 χ²/NDF:43.5/45
All: -118.619+/-170.566 χ²/NDF: 79.0/86



Right In: 1270.843+/-0.324 χ^2/NDF: 520091.4/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1290.531+/-0.313 χ^2/NDF: 326092.8/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

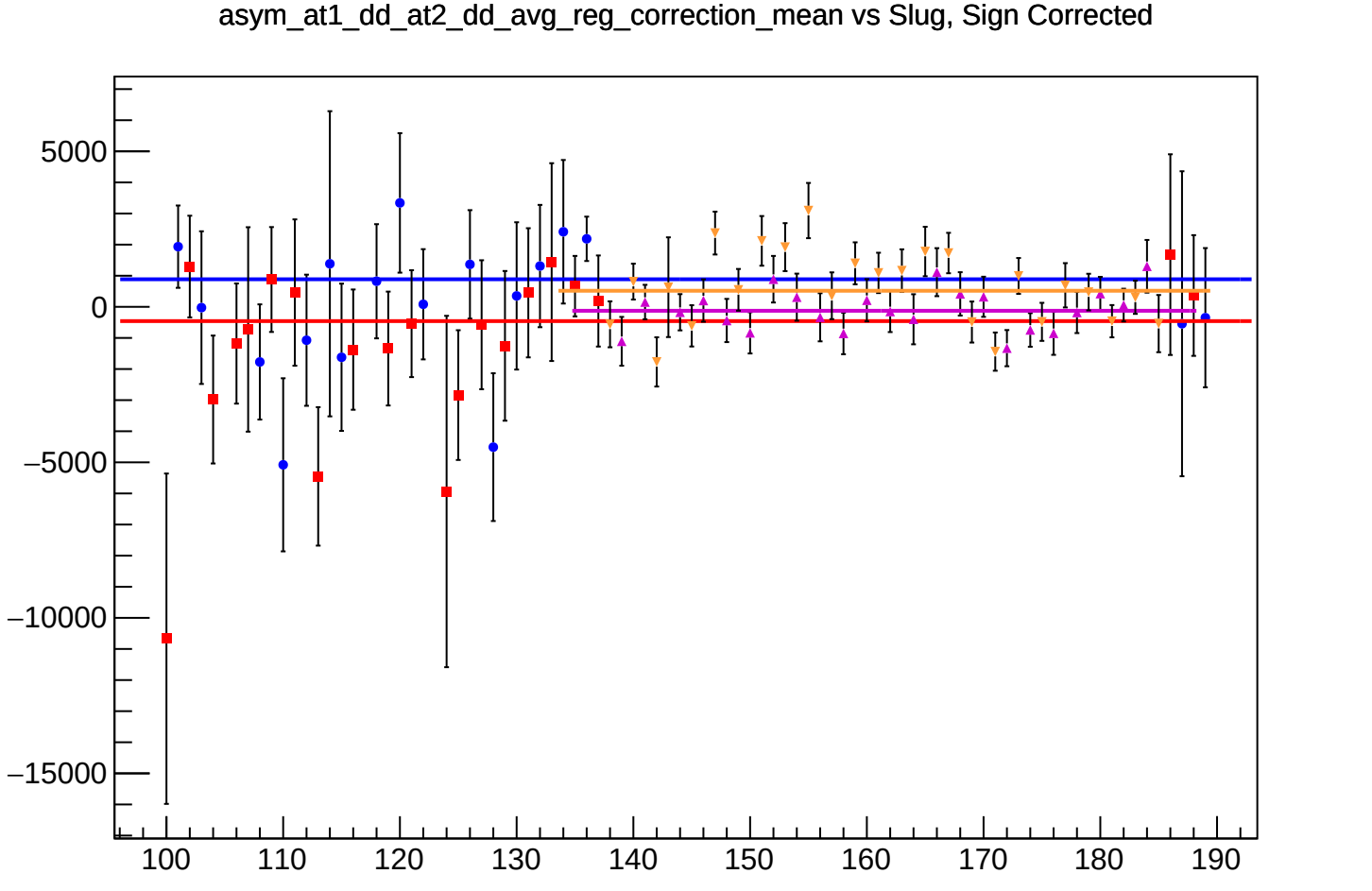
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1281.030+/-0.225 χ^2/NDF: 848091.6/38

In: 1244.255+/-0.173 χ^2/NDF:568752.1/40

Out: 1256.660+/-0.169 χ^2/NDF:545868.4/45

All: 1250.600+/-0.121 χ^2/NDF: 1117264.1/86



Right In: 886.254+/-416.818 χ^2/NDF: 20.3/17

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -458.611+/-425.275 χ^2/NDF: 17.8/20

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

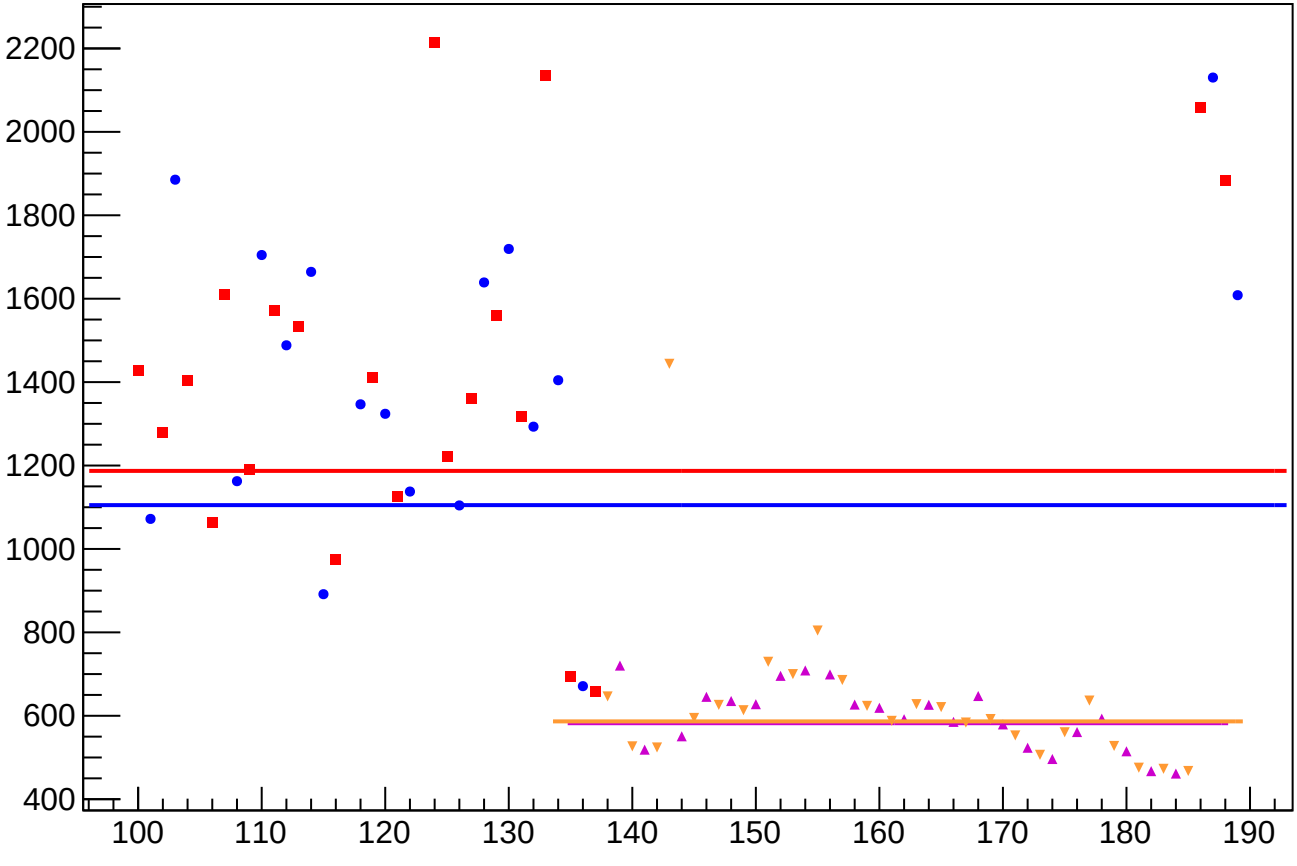
Right: 227.326+/-297.680 χ^2/NDF: 43.2/38

In: -27.474+/-130.378 χ^2/NDF:47.2/40

Out: 426.601+/-129.318 χ^2/NDF:89.6/45

All: 201.417+/-91.814 χ^2/NDF: 142.9/86

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1105.073+/-0.295 χ^2/NDF: 1678242.2/17

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1187.148+/-0.301 χ^2/NDF: 1724492.9/20

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

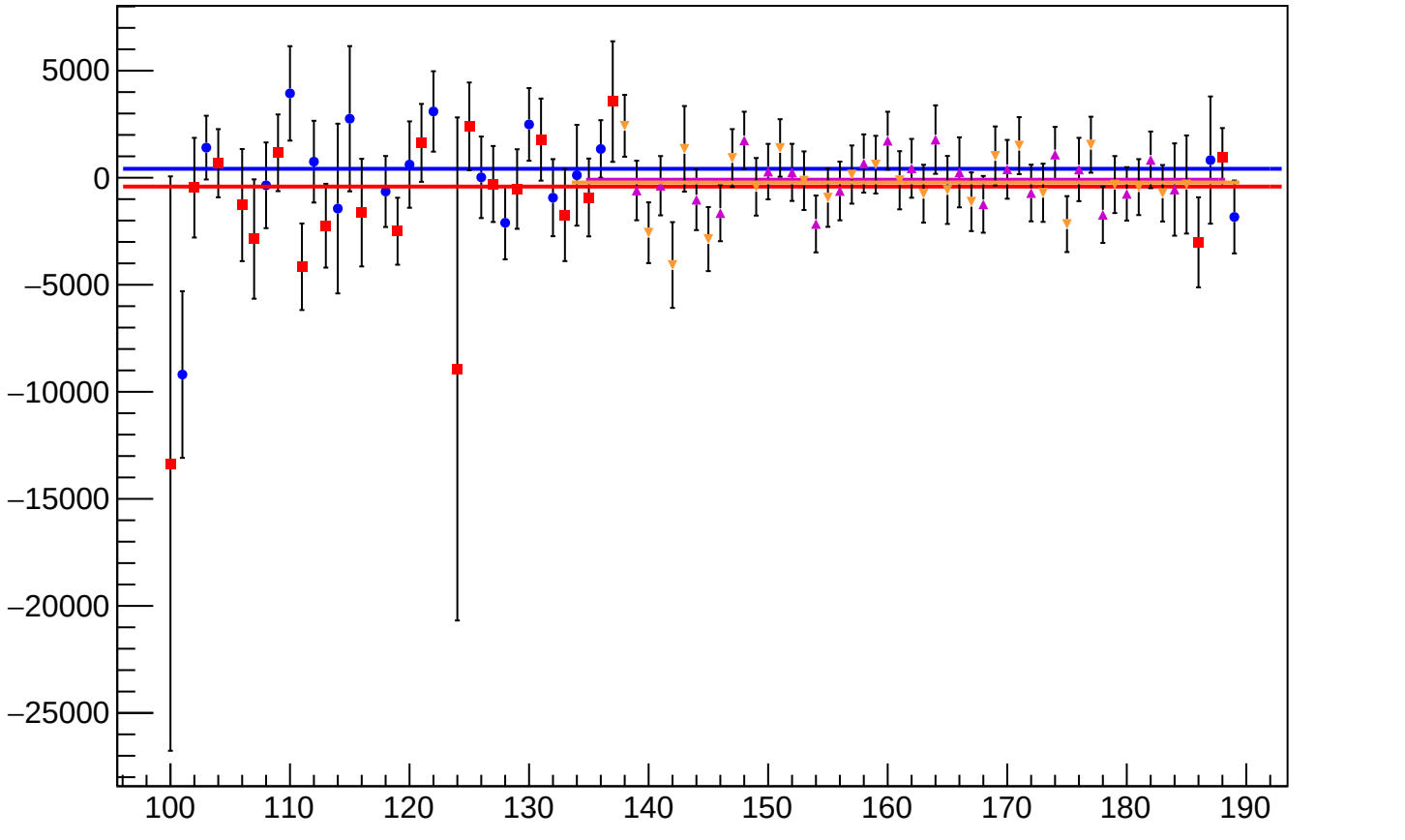
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1145.286+/-0.210 χ^2/NDF: 3440729.5/38

In: 633.349+/-0.092 χ^2/NDF:5076912.5/40

Out: 642.091+/-0.091 χ^2/NDF:6547421.4/45

All: 637.756+/-0.065 χ^2/NDF: 11628866.1/86



Right In: 417.223+/-458.583 χ^2/NDF: 18.9/17

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -412.448+/-443.519 χ^2/NDF: 19.4/20

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

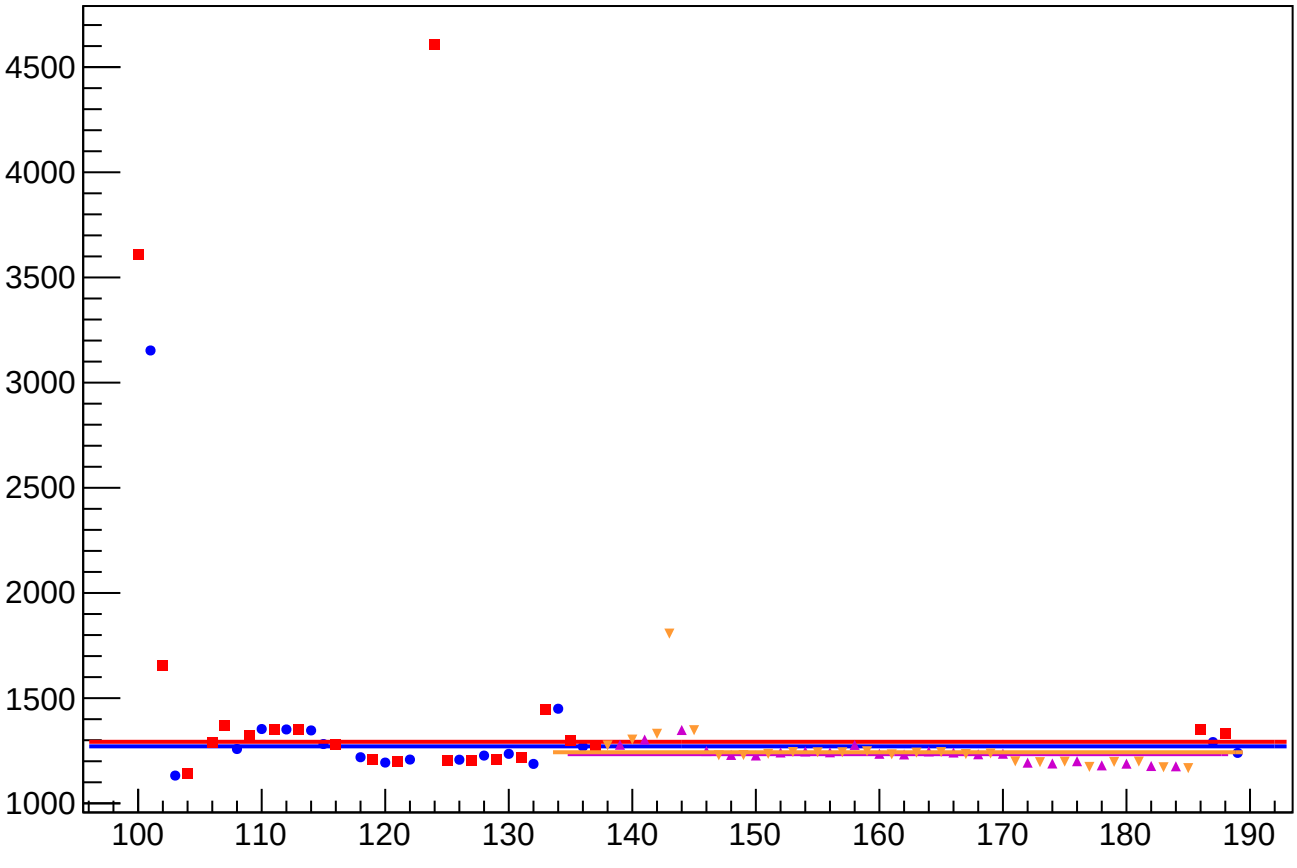
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -11.463+/-318.808 χ^2/NDF: 40.0/38

In: 51.852+/-244.023 χ^2/NDF:34.5/40

Out: -276.235+/-238.604 χ^2/NDF:43.4/45

All: -115.876+/-170.602 χ^2/NDF: 78.9/86



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

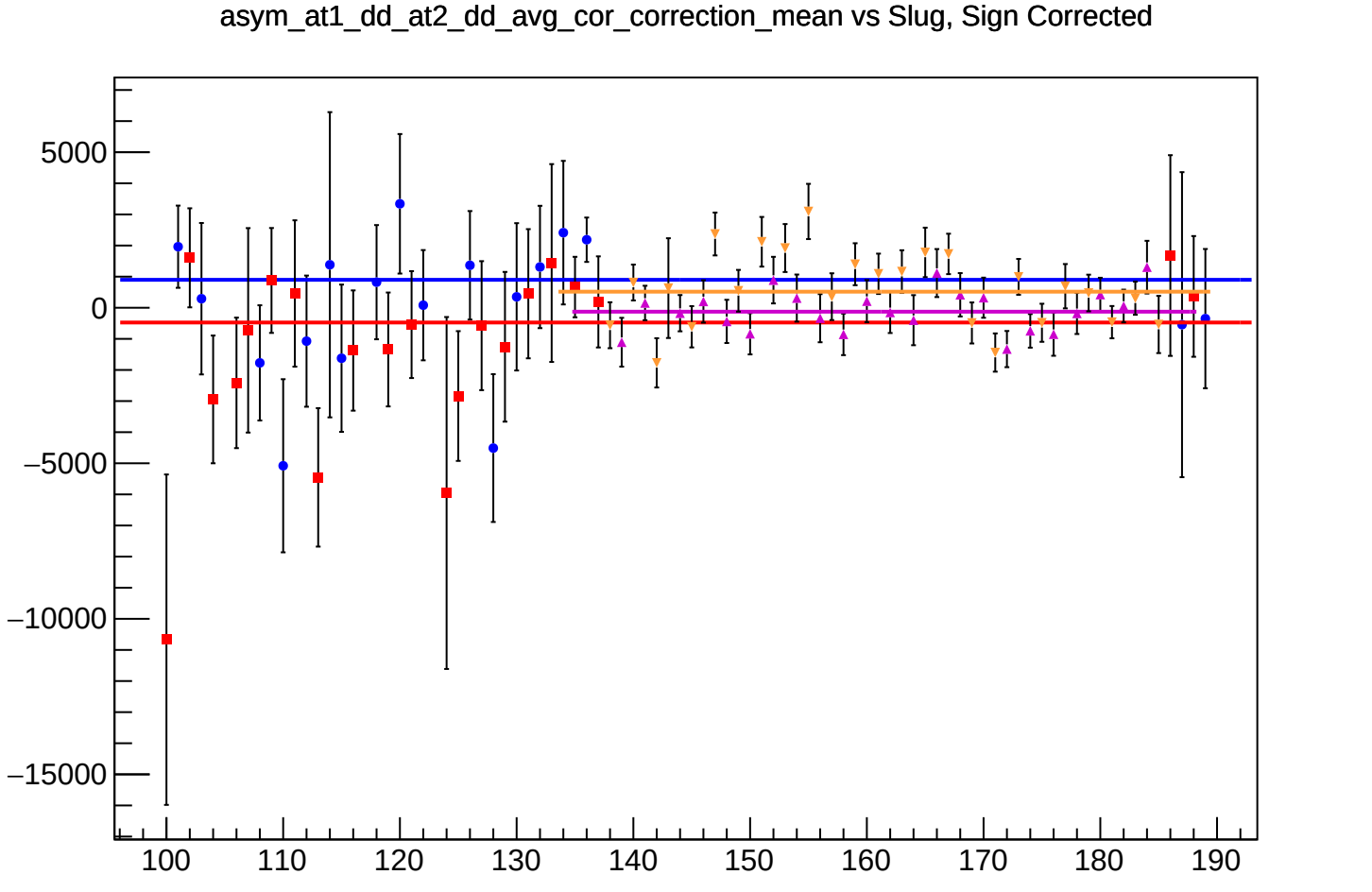
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1282.032+/-0.225 χ^2/NDF: 854827.6/38

In: 1244.255+/-0.173 χ^2/NDF:568753.4/40

Out: 1257.201+/-0.169 χ^2/NDF:553556.2/45

All: 1250.874+/-0.121 χ^2/NDF: 1125187.6/86



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

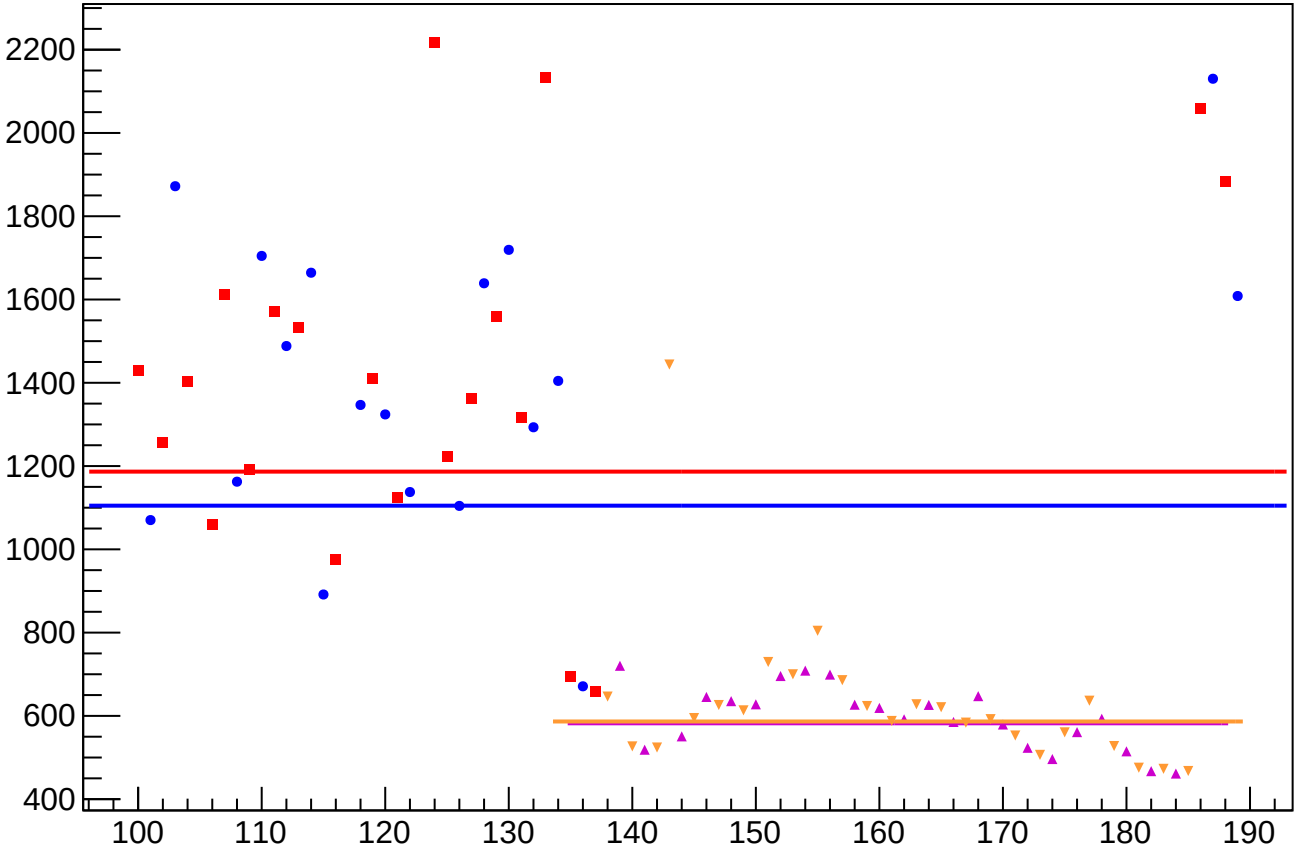
Right: 227.134+/-297.883 χ^2/NDF: 44.6/38

In: -26.221+/-130.373 χ^2/NDF:47.3/40

Out: 425.451+/-129.340 χ^2/NDF:91.0/45

All: 201.411+/-91.820 χ^2/NDF: 144.3/86

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

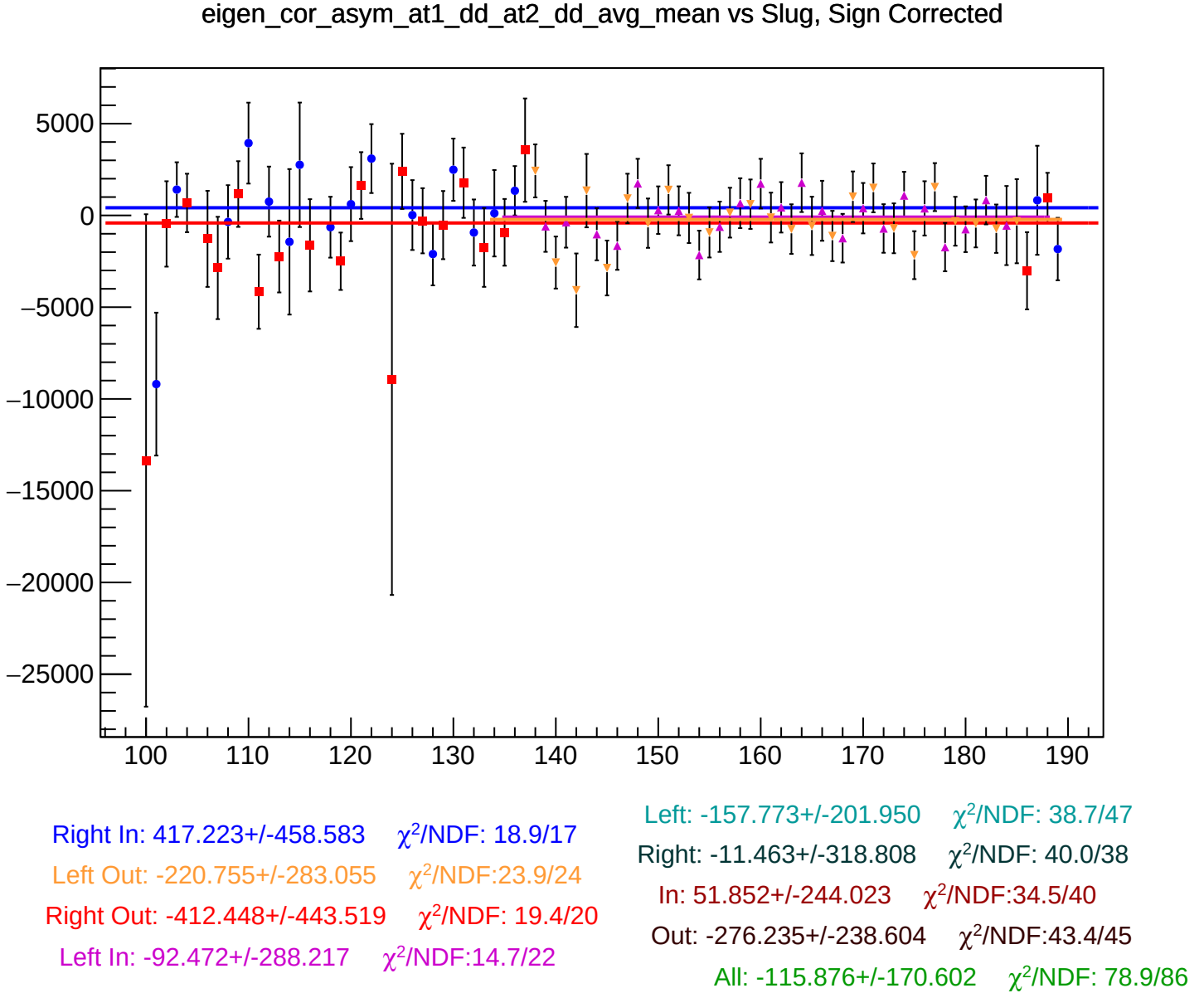
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

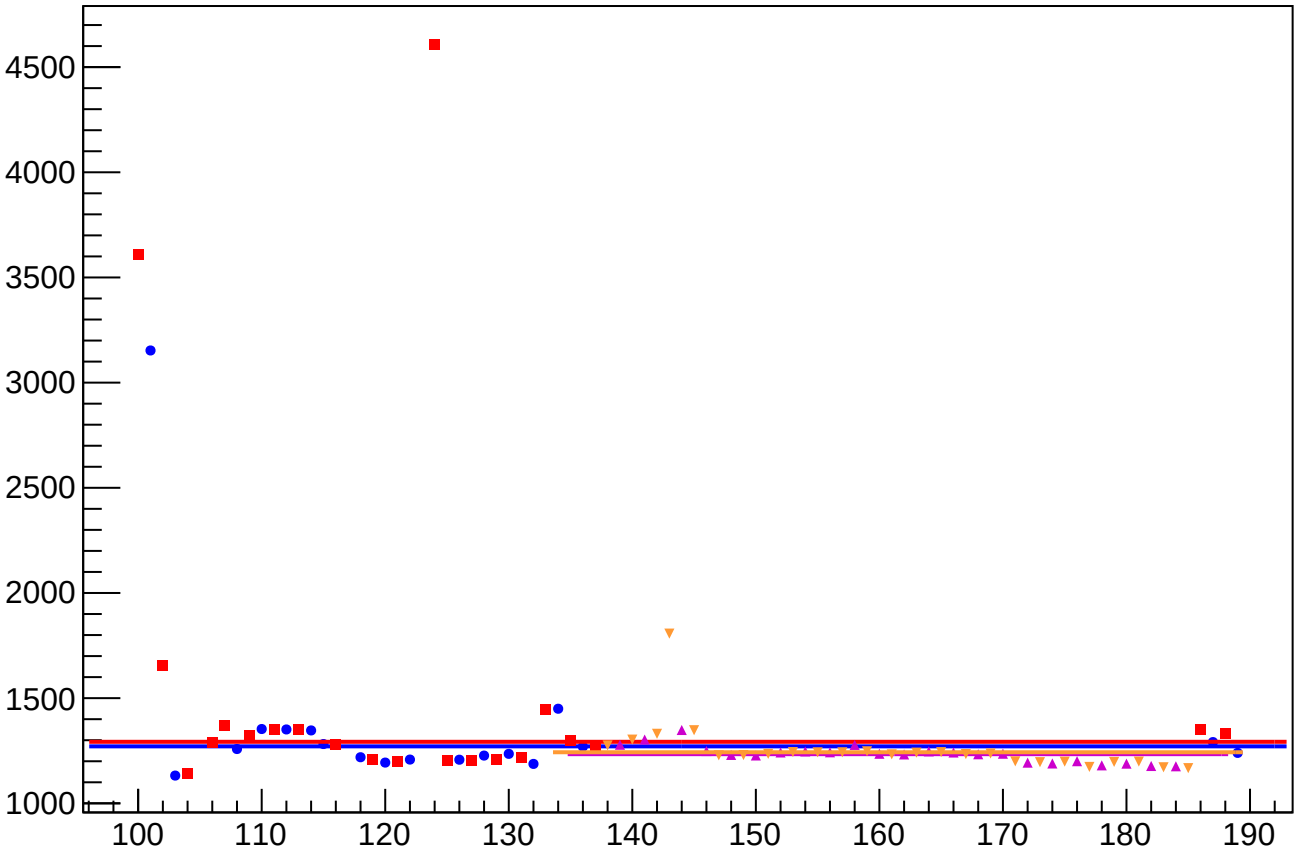
Right: 1144.850+/-0.211 χ^2/NDF: 3433497.3/38

In: 633.364+/-0.092 χ^2/NDF:5073389.2/40

Out: 641.868+/-0.091 χ^2/NDF:6525923.8/45

All: 637.650+/-0.065 χ^2/NDF: 11603601.0/86


eigen_cor_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: 417.223+/-458.583 χ²/NDF: 18.9/17
Left Out: -220.755+/-283.055 χ²/NDF:23.9/24
Right Out: -412.448+/-443.519 χ²/NDF: 19.4/20
Left In: -92.472+/-288.217 χ²/NDF:14.7/22
Left: -157.773+/-201.950 χ²/NDF: 38.7/47
Right: -11.463+/-318.808 χ²/NDF: 40.0/38
In: 51.852+/-244.023 χ²/NDF:34.5/40
Out: -276.235+/-238.604 χ²/NDF:43.4/45
All: -115.876+/-170.602 χ²/NDF: 78.9/86



Right In: 1270.843+/-0.324 χ^2/NDF: 520092.8/17

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

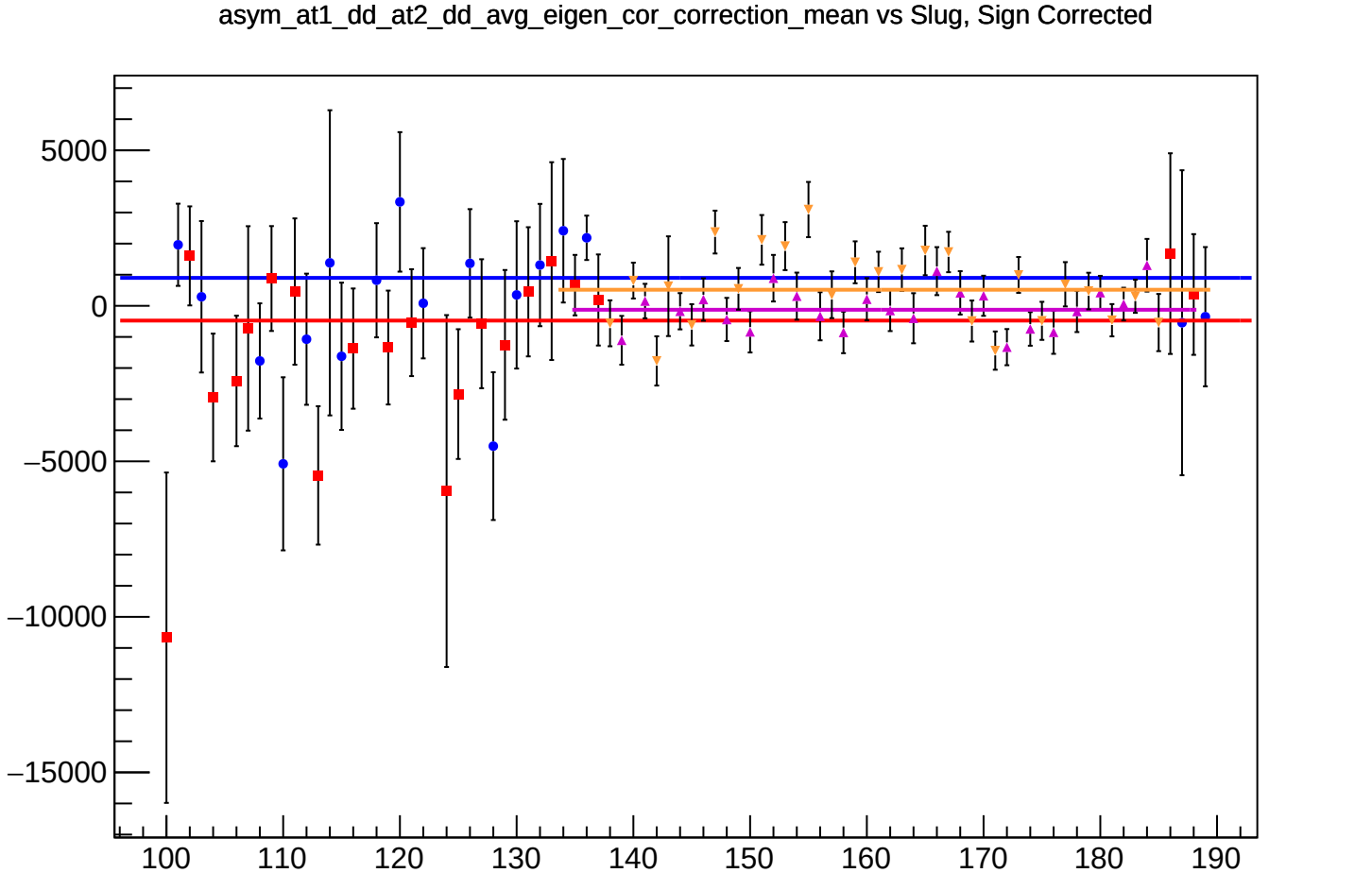
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1282.032+/-0.225 χ^2/NDF: 854827.6/38

In: 1244.255+/-0.173 χ^2/NDF:568753.4/40

Out: 1257.201+/-0.169 χ^2/NDF:553556.2/45

All: 1250.874+/-0.121 χ^2/NDF: 1125187.6/86



Right In: 898.158+/-416.653 χ^2/NDF: 20.3/17

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

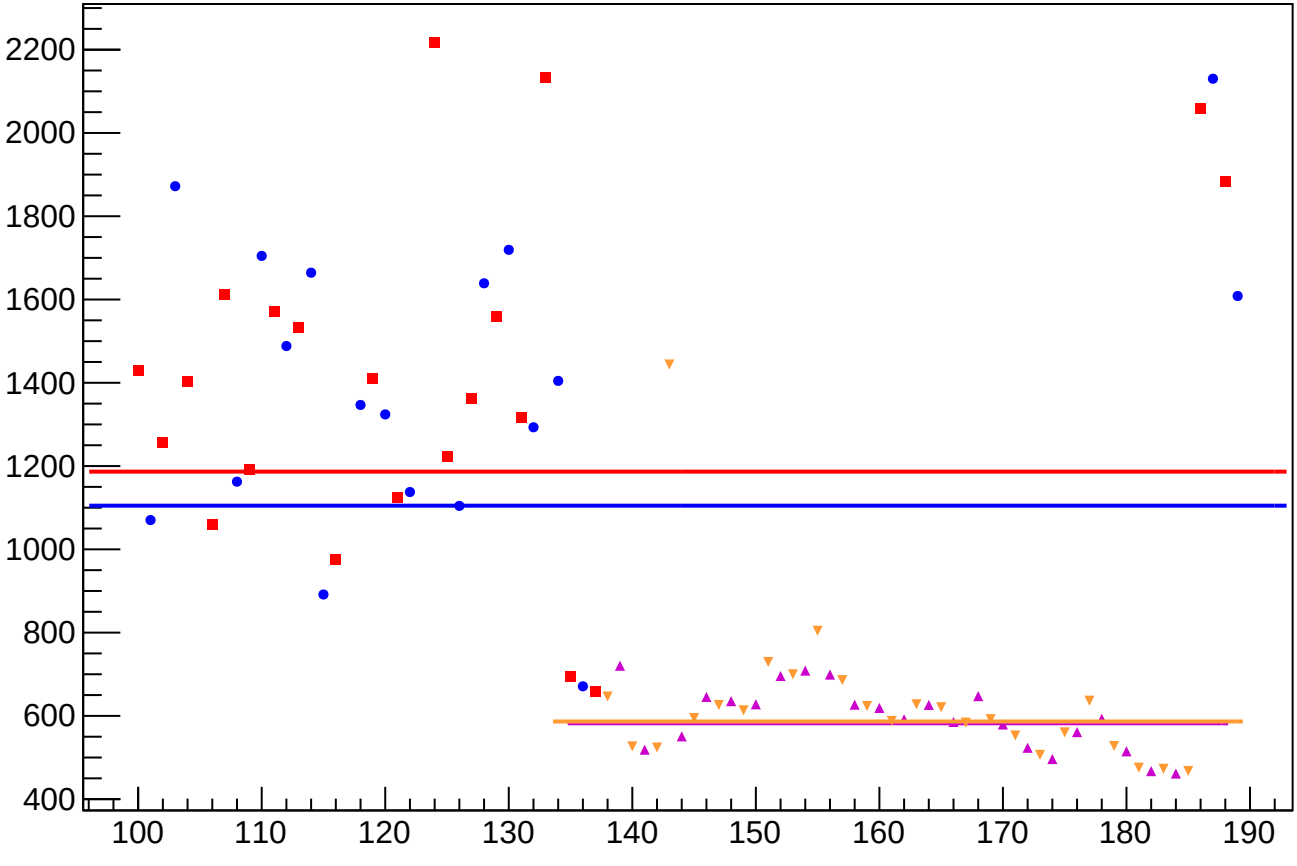
Right: 227.134+/-297.883 χ^2/NDF: 44.6/38

In: -26.221+/-130.373 χ^2/NDF:47.3/40

Out: 425.451+/-129.340 χ^2/NDF:91.0/45

All: 201.411+/-91.820 χ^2/NDF: 144.3/86

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.872+/-0.295 χ^2/NDF: 1674845.3/17

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

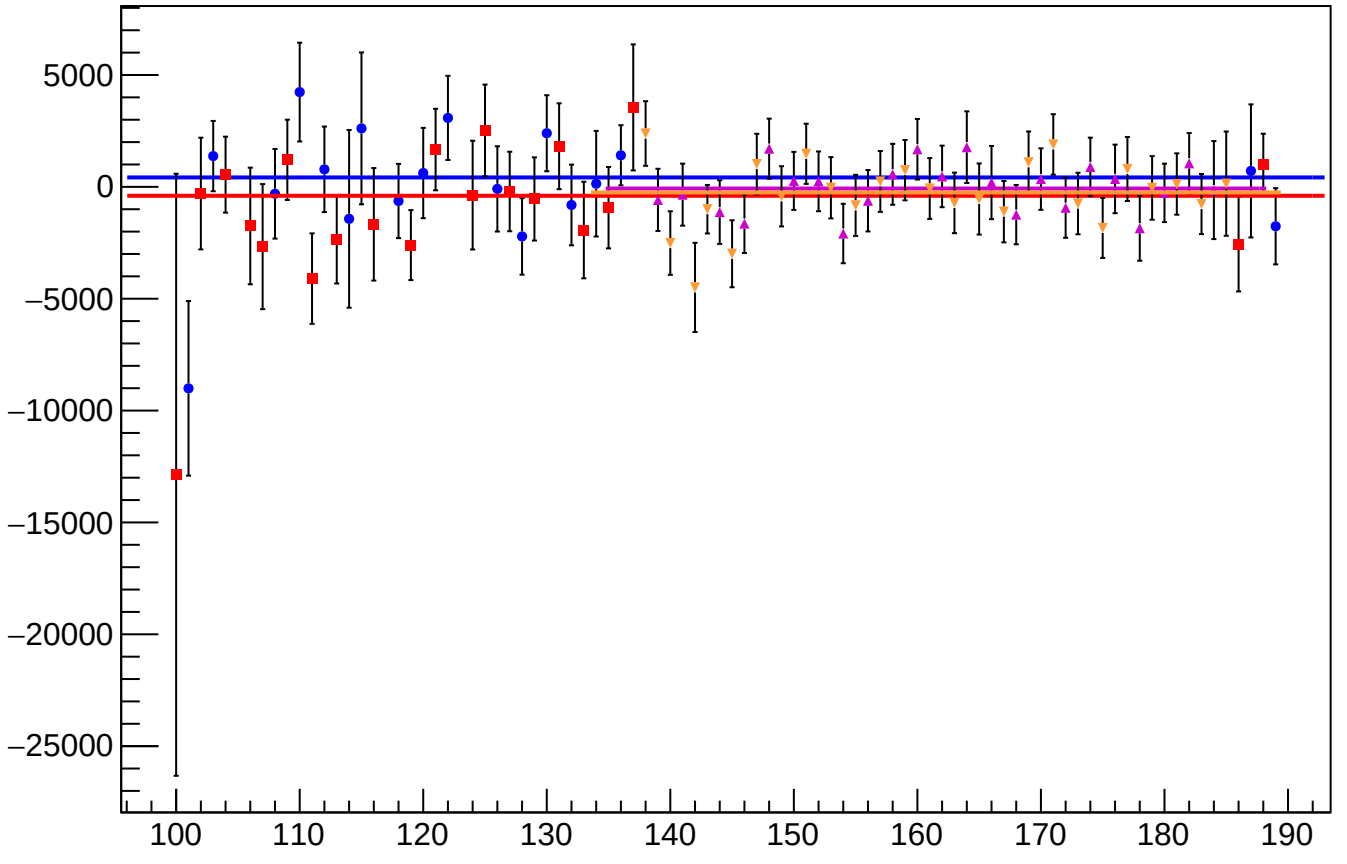
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1144.850+/-0.211 χ^2/NDF: 3433497.3/38

In: 633.364+/-0.092 χ^2/NDF:5073389.2/40

Out: 641.868+/-0.091 χ^2/NDF:6525923.8/45

All: 637.650+/-0.065 χ^2/NDF: 11603601.0/86



Right In: 420.894+/-461.252 χ^2/NDF: 18.9/17

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -398.578+/-440.118 χ^2/NDF: 18.8/20

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

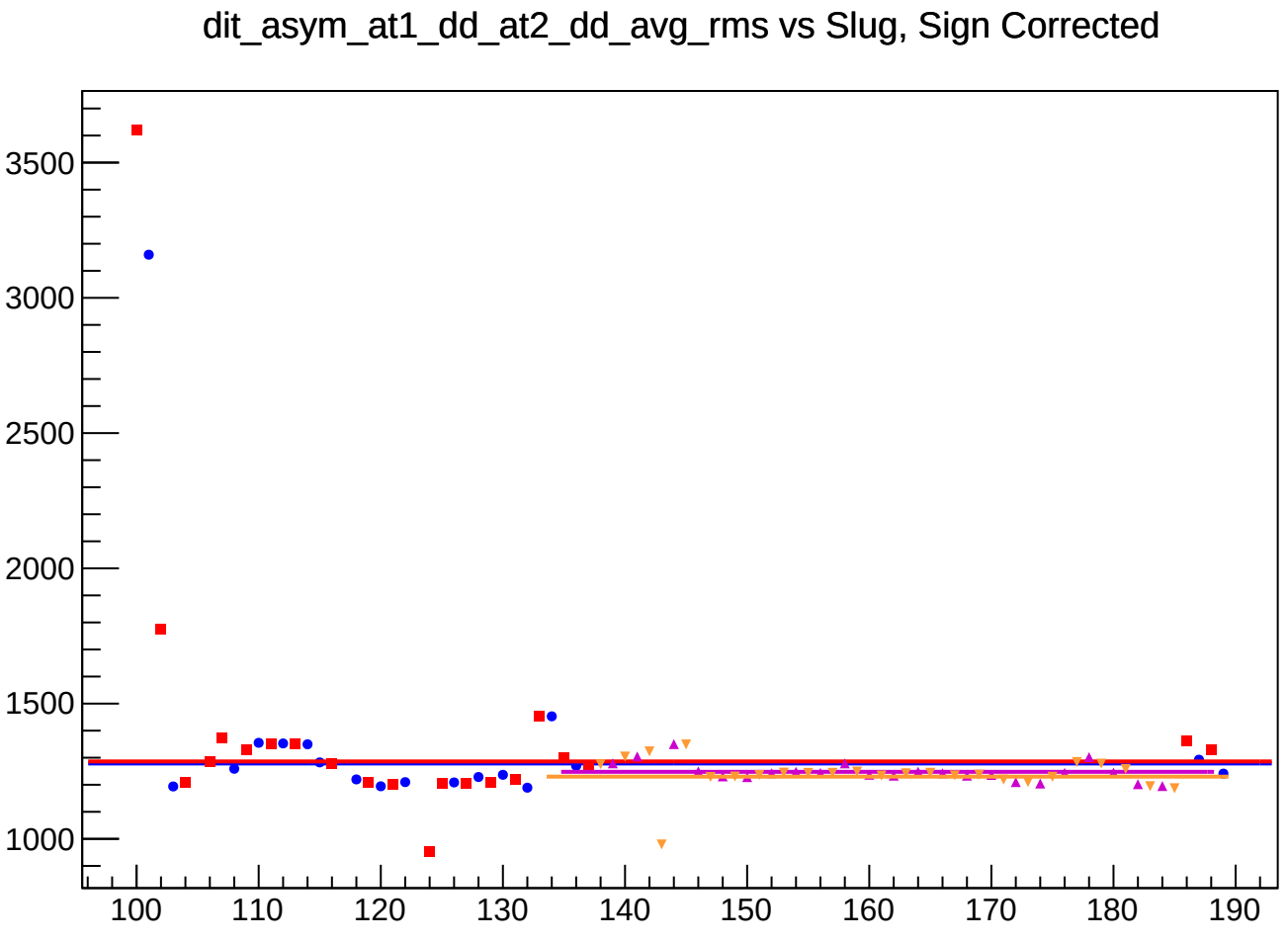
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -8.044+/-318.420 χ^2/NDF: 39.4/38

In: 66.586+/-246.390 χ^2/NDF:33.7/40

Out: -293.397+/-236.197 χ^2/NDF:42.9/45

All: -121.005+/-170.506 χ^2/NDF: 77.8/86



Right In: 1278.697+/-0.326 χ^2/NDF: 508149.9/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.6/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

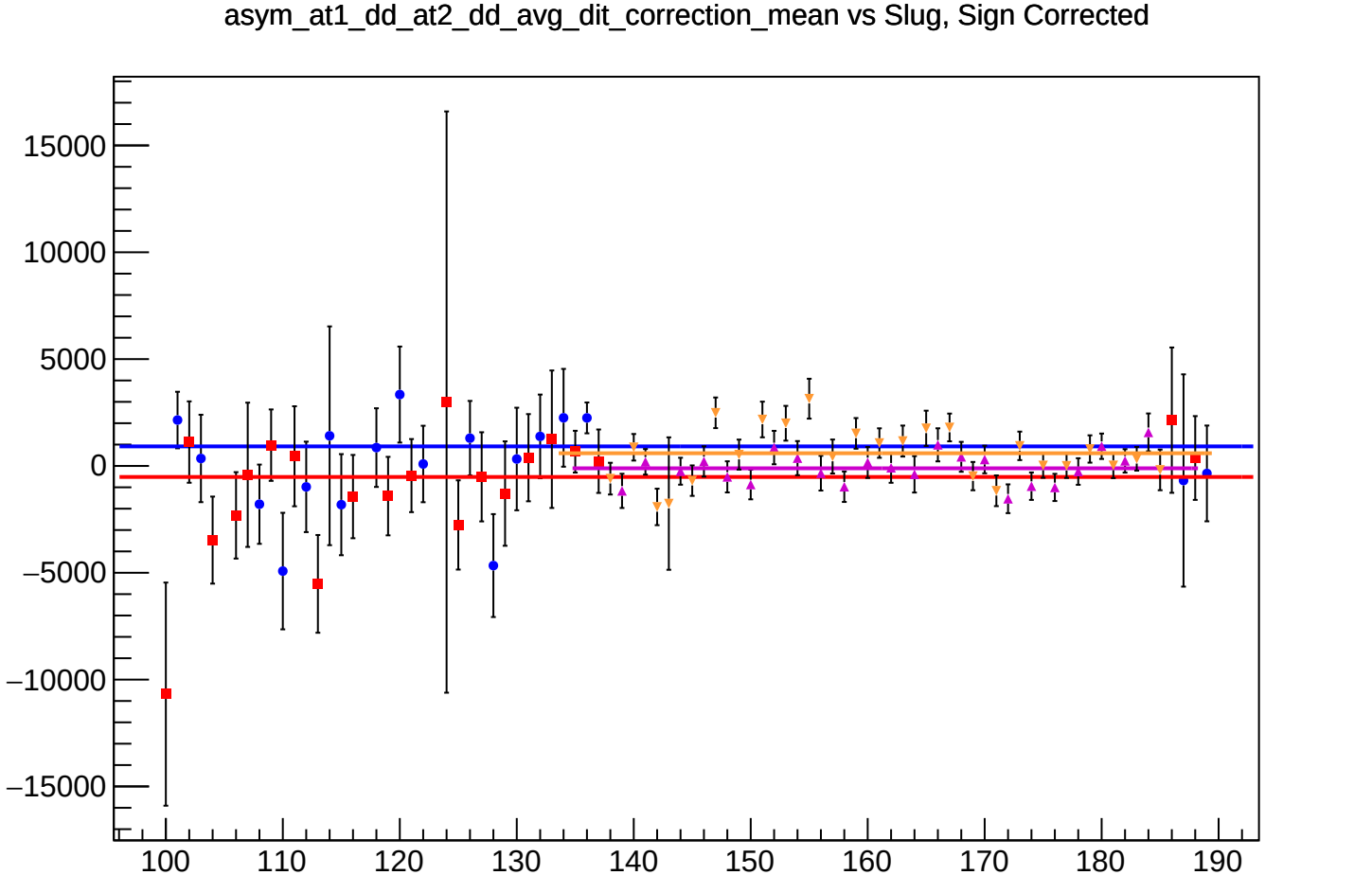
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1282.609+/-0.225 χ^2/NDF: 734400.3/38

In: 1256.606+/-0.174 χ^2/NDF:541910.2/40

Out: 1246.168+/-0.167 χ^2/NDF:390789.7/45

All: 1251.167+/-0.121 χ^2/NDF: 934570.2/86


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
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−5000
−10000
−15000
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120
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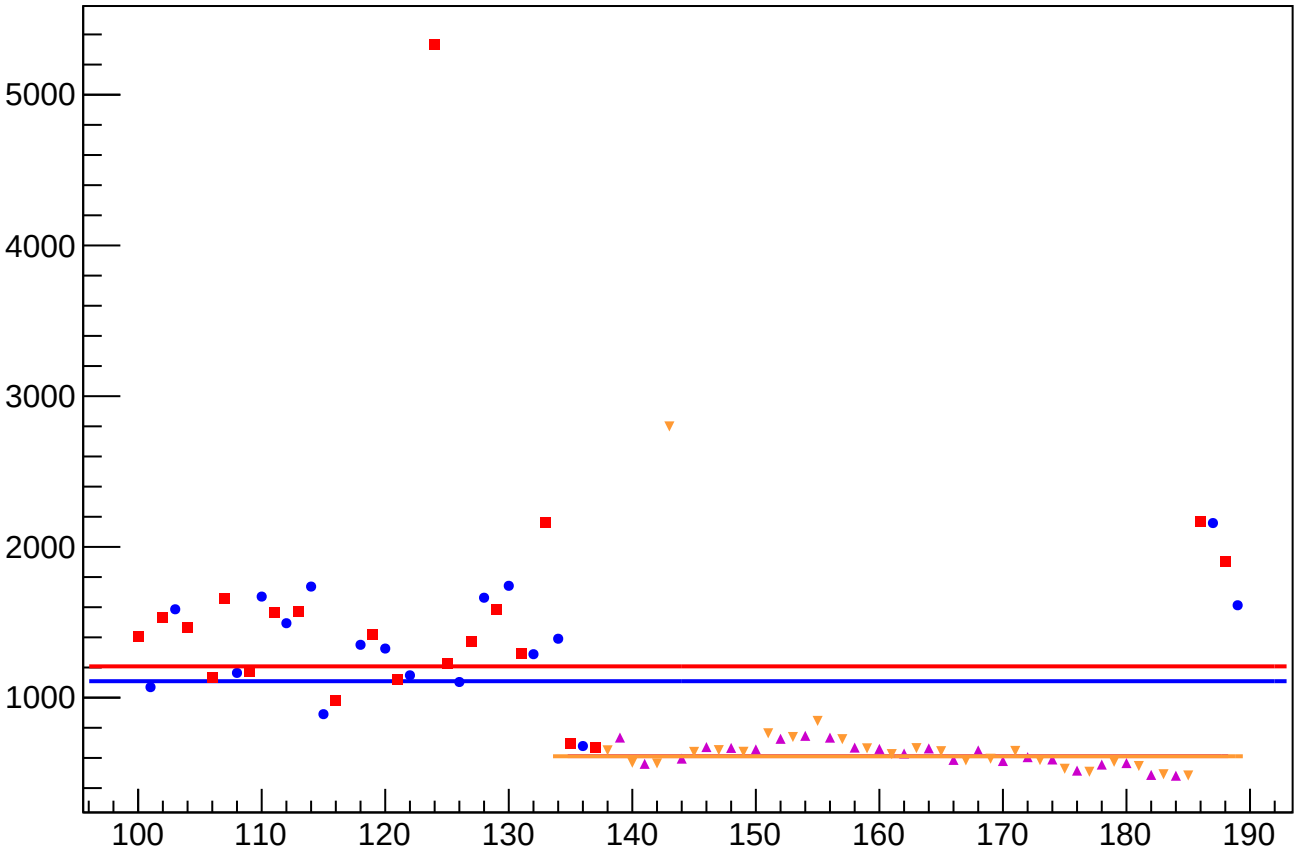
140
150
160
170
180
190
Right In: 915.040+/-416.297 χ²/NDF: 20.9/17
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -516.041+/-432.945 χ²/NDF: 18.0/20
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 227.543+/-300.080 χ²/NDF: 44.6/38
In: -0.368+/-136.284 χ²/NDF:52.0/40
Out: 486.909+/-135.040 χ²/NDF:81.3/45
All: 245.506+/-95.925 χ²/NDF: 139.7/86



Right In: 1109.155+/-0.294 χ^2/NDF: 1557785.6/17

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1207.580+/-0.306 χ^2/NDF: 1926728.6/20

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

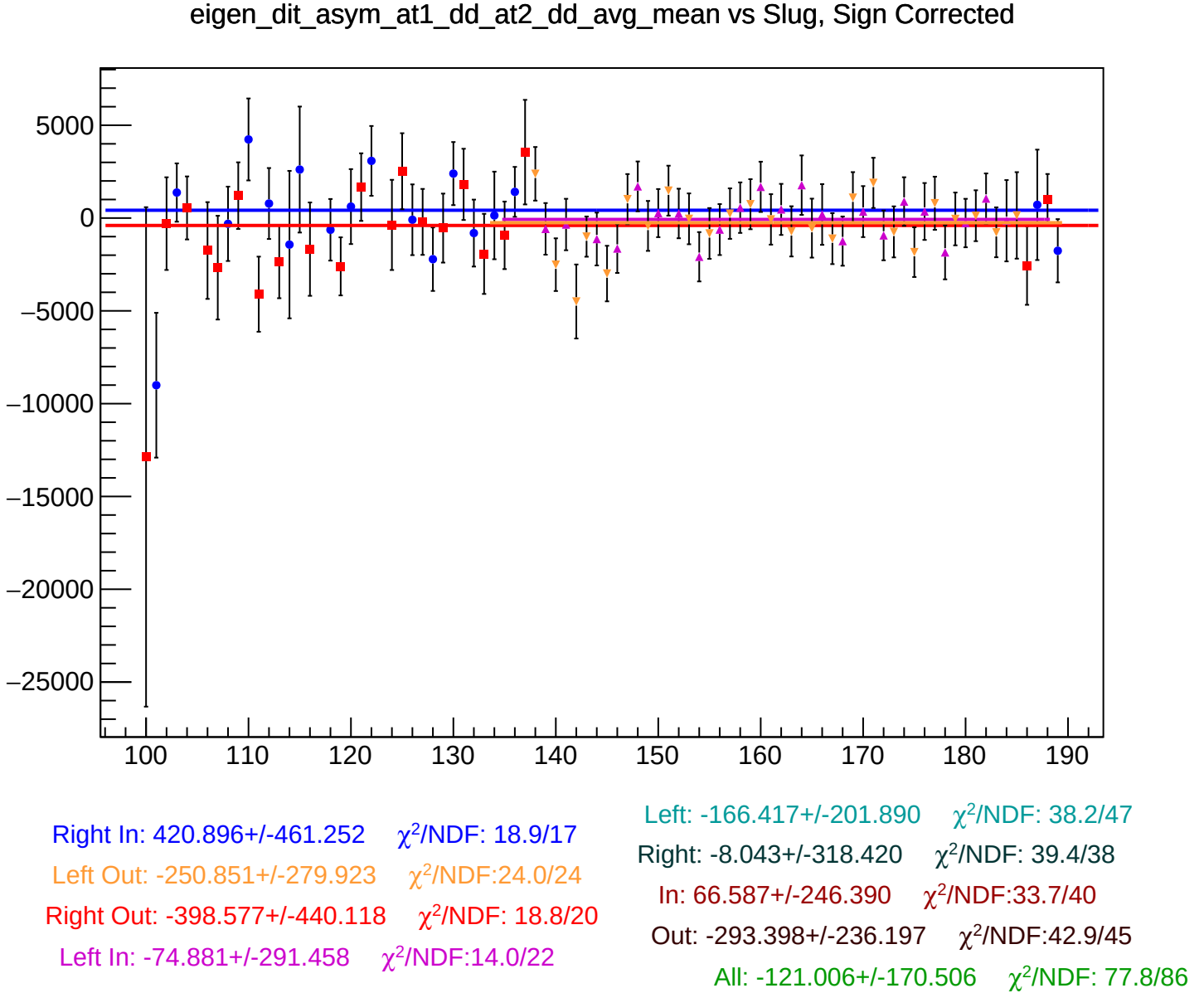
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1156.438+/-0.212 χ^2/NDF: 3538222.4/38

In: 665.638+/-0.096 χ^2/NDF:4608969.5/40

Out: 669.118+/-0.095 χ^2/NDF:6973128.3/45

All: 667.394+/-0.068 χ^2/NDF: 11582755.9/86


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
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−5000
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−15000
−20000
−25000
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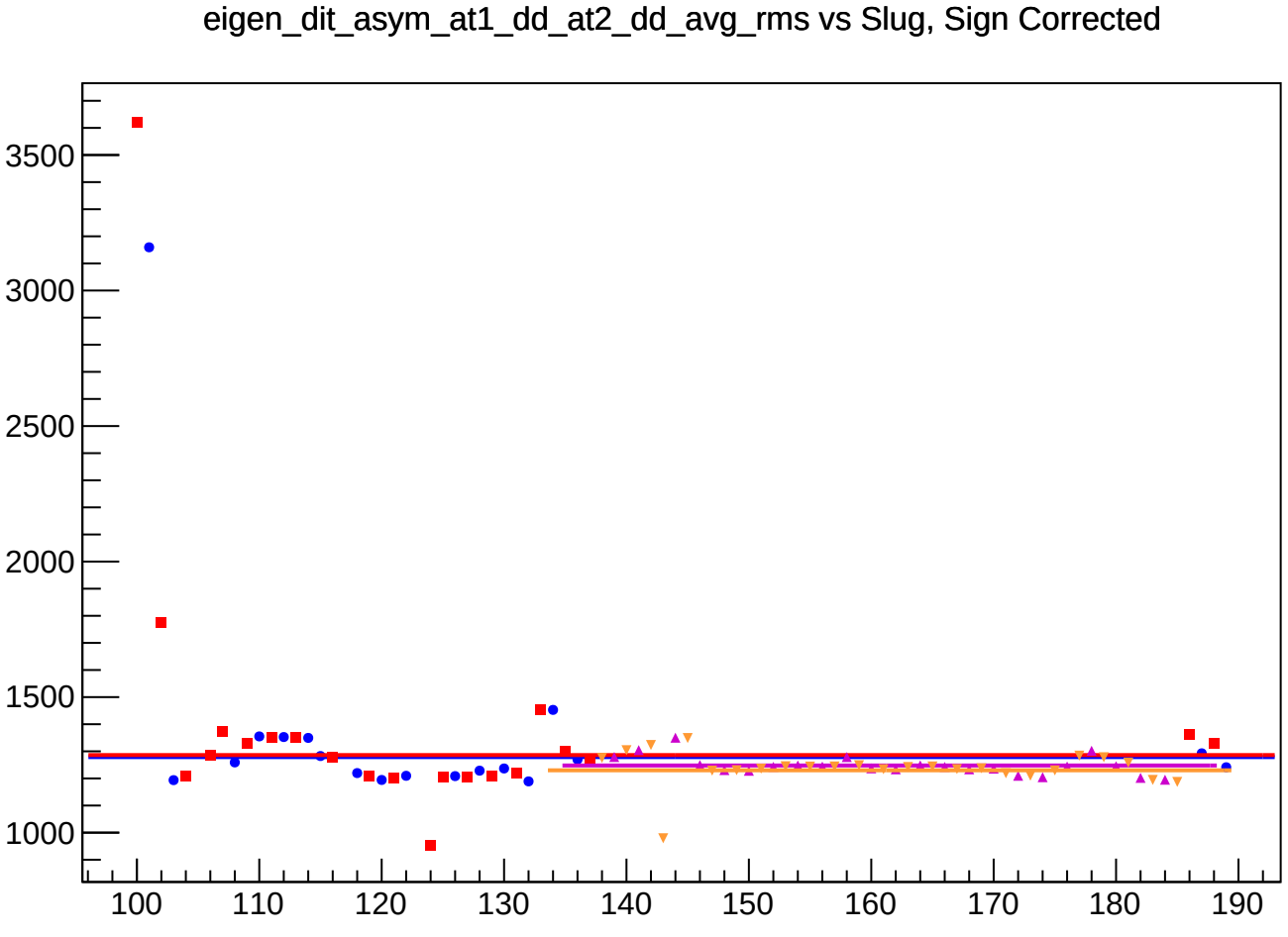
170
180
190
Right In: 420.896+/-461.252 χ²/NDF: 18.9/17
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: -398.577+/-440.118 χ²/NDF: 18.8/20
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.417+/-201.890 χ²/NDF: 38.2/47
Right: -8.043+/-318.420 χ²/NDF: 39.4/38
In: 66.587+/-246.390 χ²/NDF:33.7/40
Out: -293.398+/-236.197 χ²/NDF:42.9/45
All: -121.006+/-170.506 χ²/NDF: 77.8/86



Right In: 1278.697+/-0.326 χ^2/NDF: 508150.0/17

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.5/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

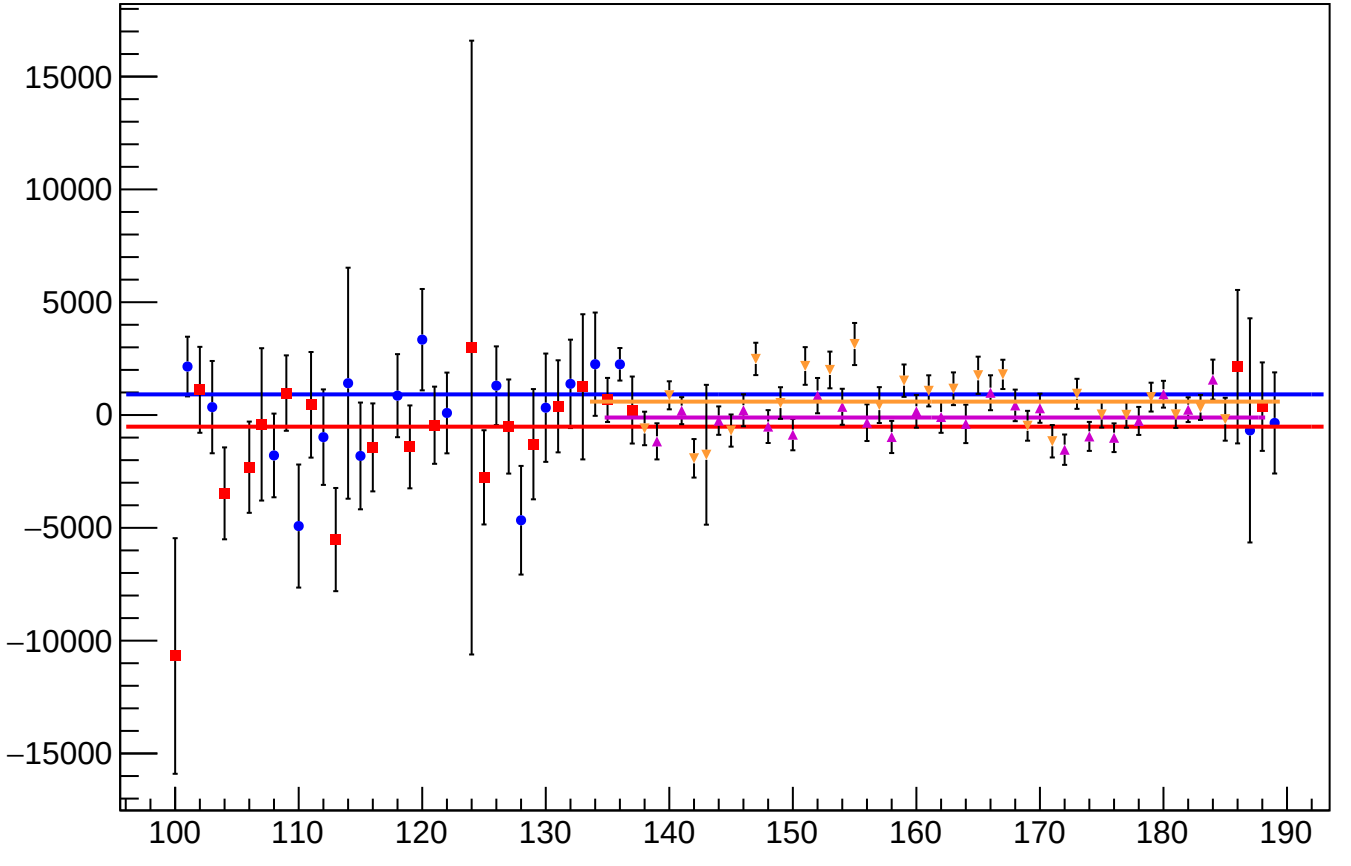
Right: 1282.609+/-0.225 χ^2/NDF: 734400.4/38

In: 1256.606+/-0.174 χ^2/NDF:541910.3/40

Out: 1246.168+/-0.167 χ^2/NDF:390788.7/45

All: 1251.167+/-0.121 χ^2/NDF: 934569.3/86

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 915.035+/-416.299 χ^2/NDF: 20.9/17

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -516.050+/-432.947 χ^2/NDF: 18.0/20

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

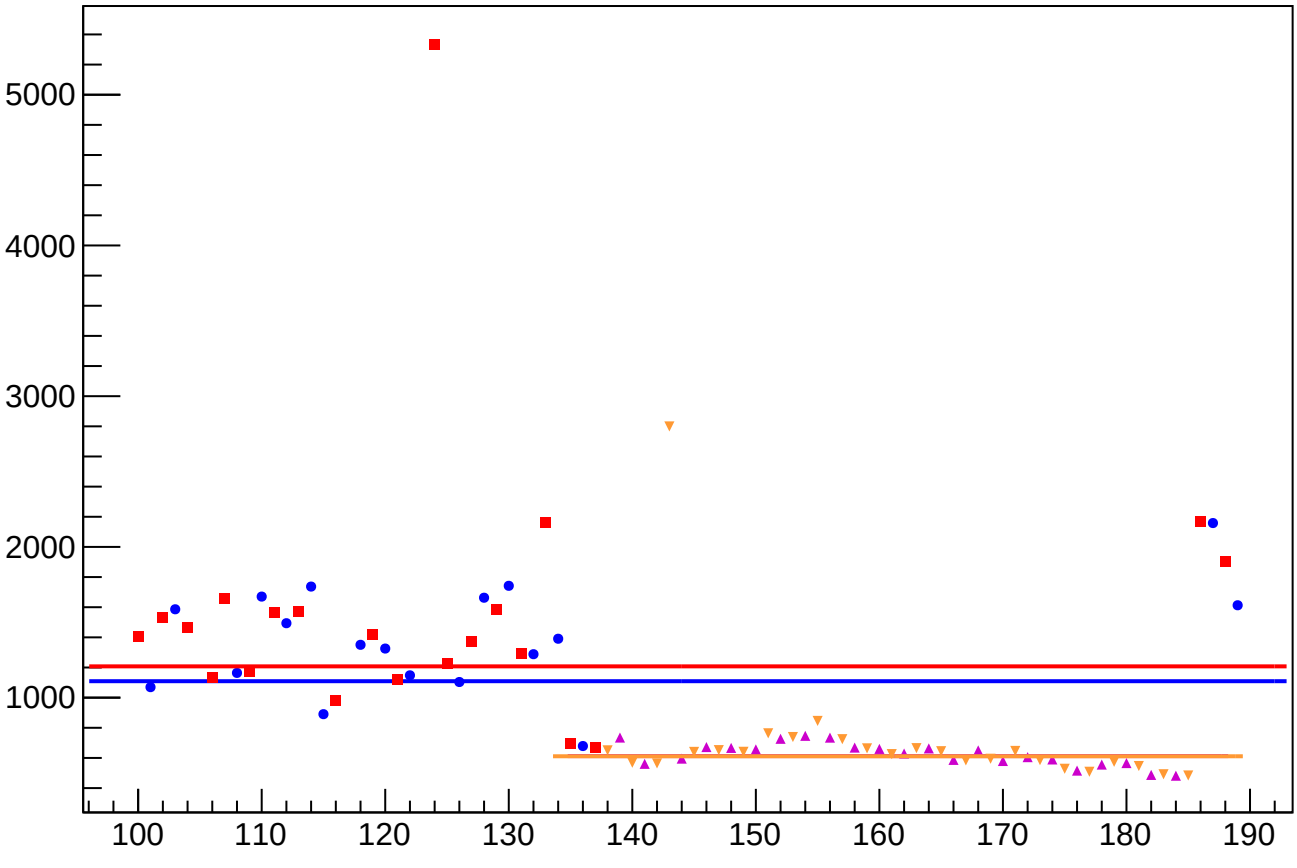
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 227.537+/-300.081 χ^2/NDF: 44.6/38

In: -0.369+/-136.284 χ^2/NDF:52.0/40

Out: 486.909+/-135.040 χ^2/NDF:81.3/45

All: 245.505+/-95.925 χ^2/NDF: 139.7/86



Right In: 1109.161+/-0.294 χ^2/NDF: 1557725.6/17

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1207.587+/-0.306 χ^2/NDF: 1926671.4/20

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

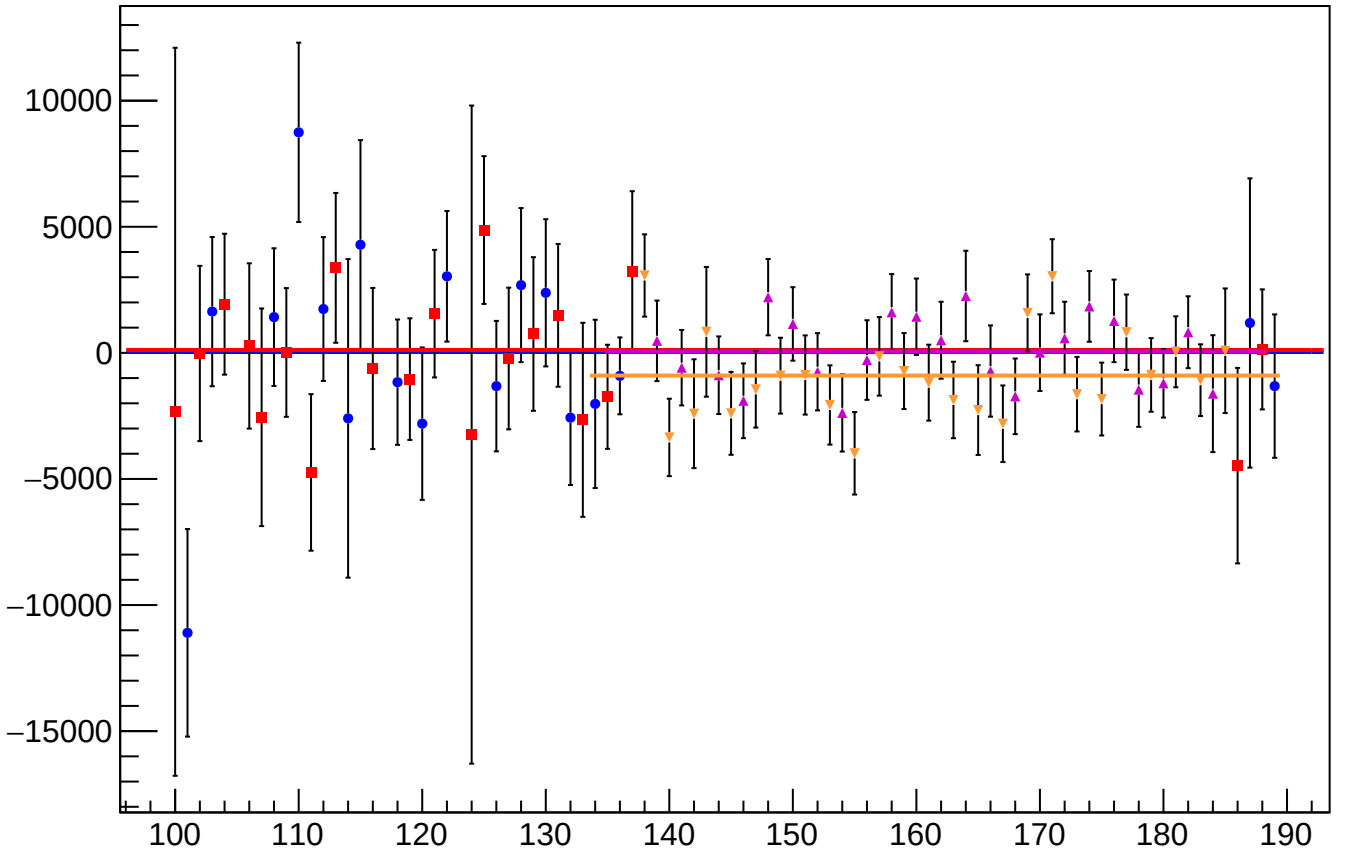
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1156.445+/-0.212 χ^2/NDF: 3538106.0/38

In: 665.637+/-0.096 χ^2/NDF:4608968.0/40

Out: 669.118+/-0.095 χ^2/NDF:6973129.8/45

All: 667.394+/-0.068 χ^2/NDF: 11582756.1/86



Right In: 35.709+/-674.071 χ^2/NDF: 21.6/17

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 115.197+/-661.481 χ^2/NDF: 11.8/20

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

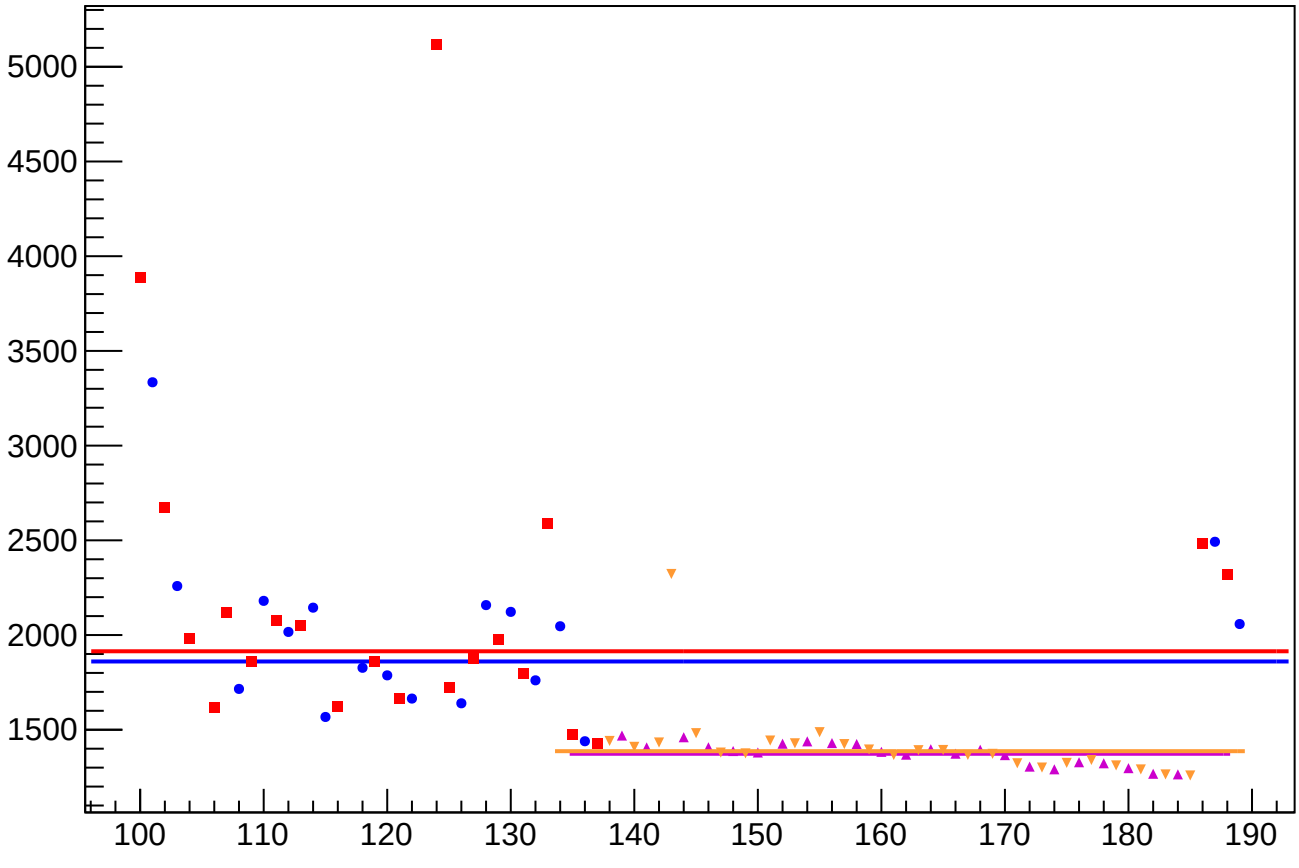
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: 76.202+/-472.126 χ^2/NDF: 33.3/38

In: 45.874+/-289.764 χ^2/NDF:39.4/40

Out: -710.845+/-285.465 χ^2/NDF:43.5/45

All: -338.141+/-203.357 χ^2/NDF: 86.4/86



Right In: 1860.446+/-0.477 χ^2/NDF: 592536.1/17

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1914.283+/-0.468 χ^2/NDF: 634746.0/20

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

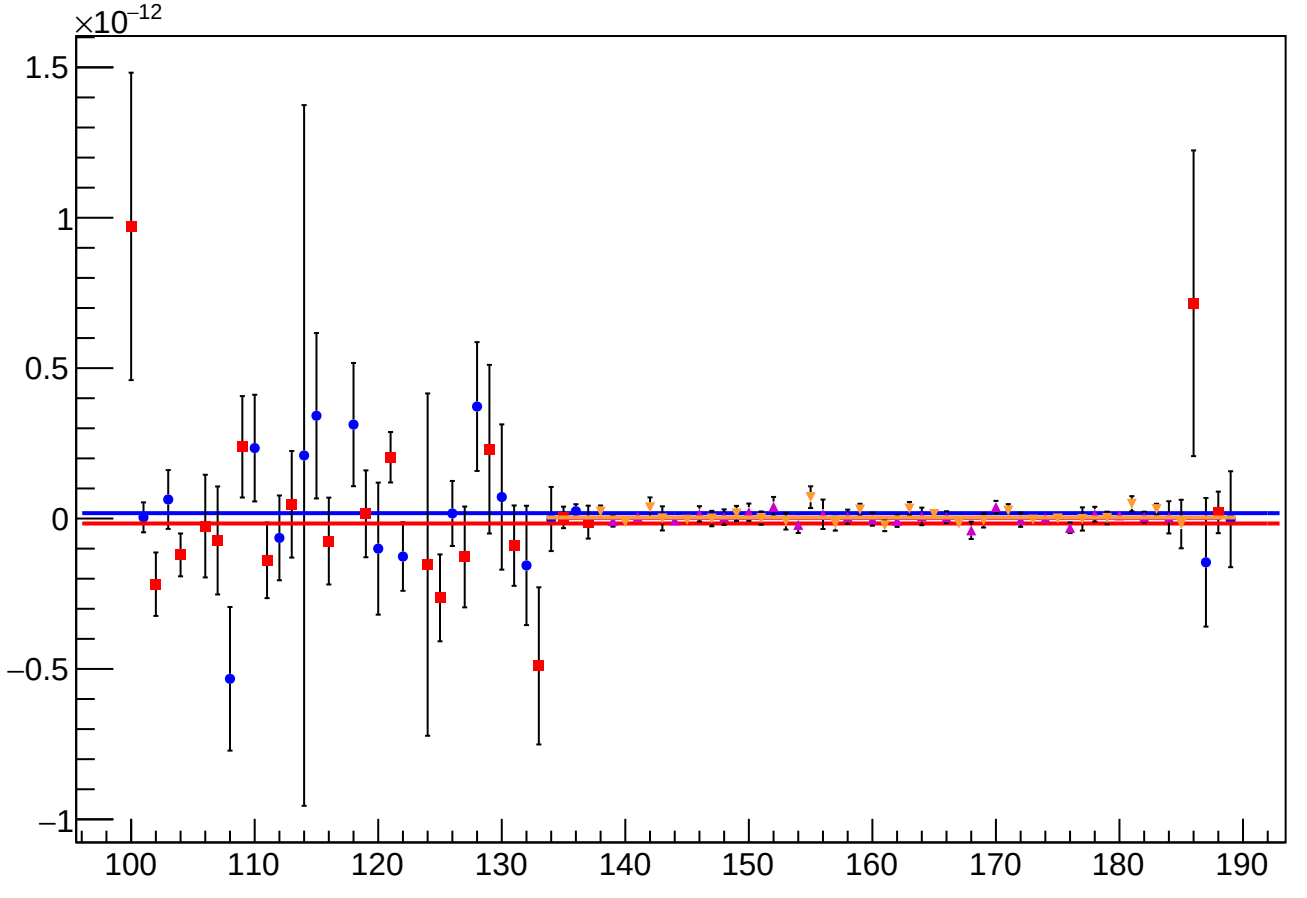
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1887.872+/-0.334 χ^2/NDF: 1233781.6/38

In: 1463.251+/-0.205 χ^2/NDF:1508840.3/40

Out: 1485.076+/-0.202 χ^2/NDF:2009311.4/45

All: 1474.327+/-0.144 χ^2/NDF: 3523909.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/20

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

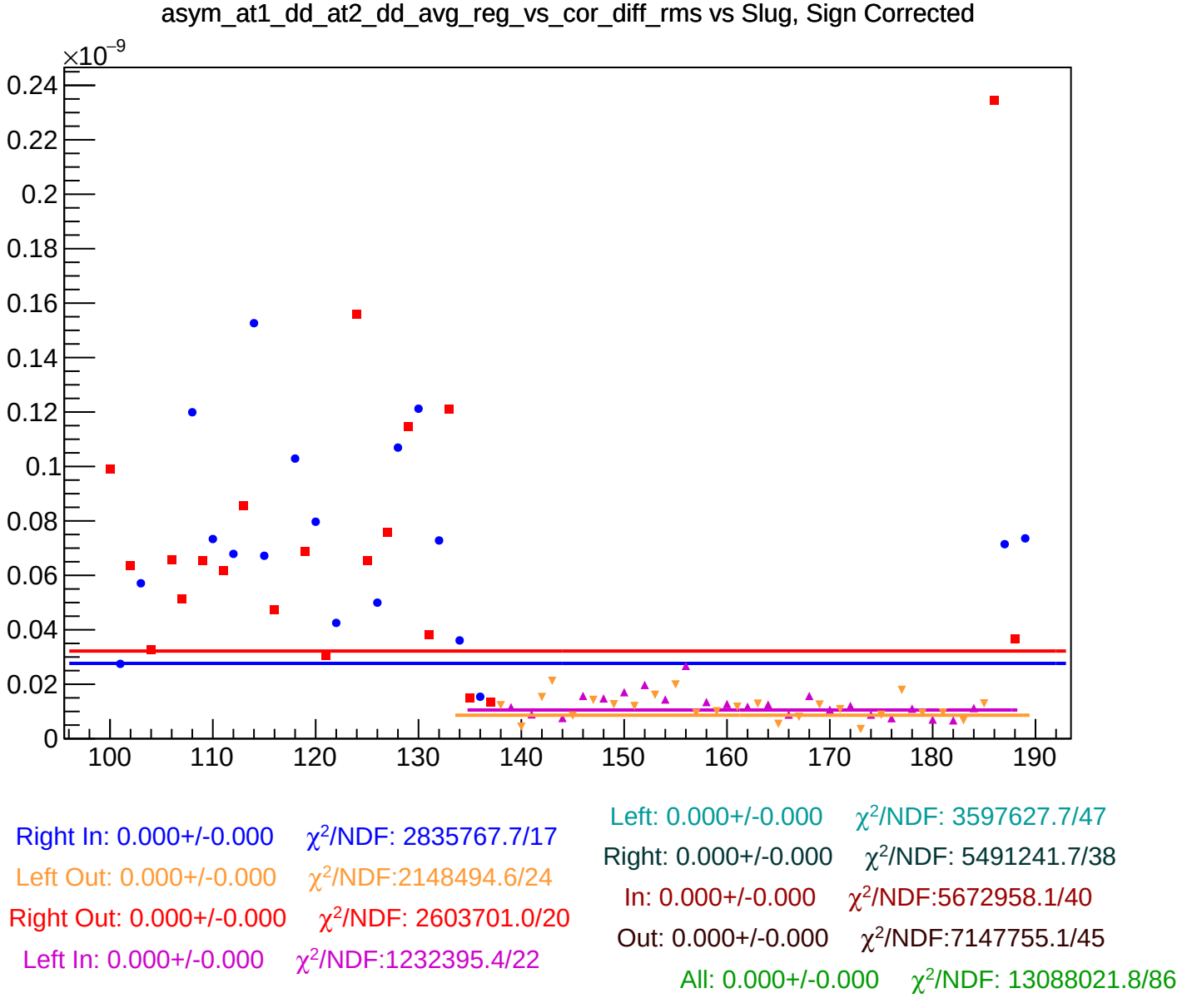
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: 0.000+/-0.000 χ^2/NDF: 49.2/38

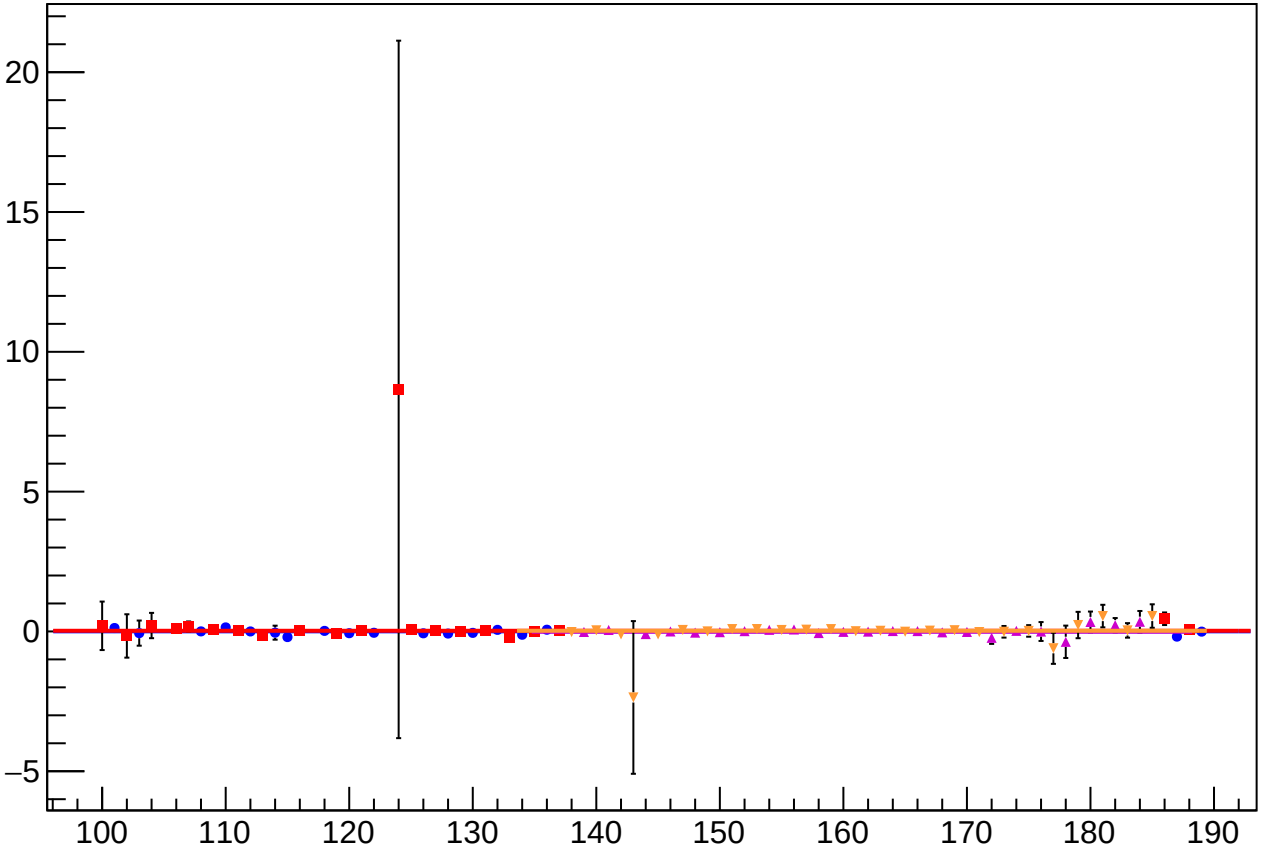
In: 0.000+/-0.000 χ^2/NDF:31.3/40

Out: 0.000+/-0.000 χ^2/NDF:56.3/45

All: 0.000+/-0.000 χ^2/NDF: 87.5/86


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2835767.7/17
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 2603701.0/20
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: 5491241.7/38
In: 0.000+/-0.000 χ²/NDF:5672958.1/40
Out: 0.000+/-0.000 χ²/NDF:7147755.1/45
All: 0.000+/-0.000 χ²/NDF: 13088021.8/86

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

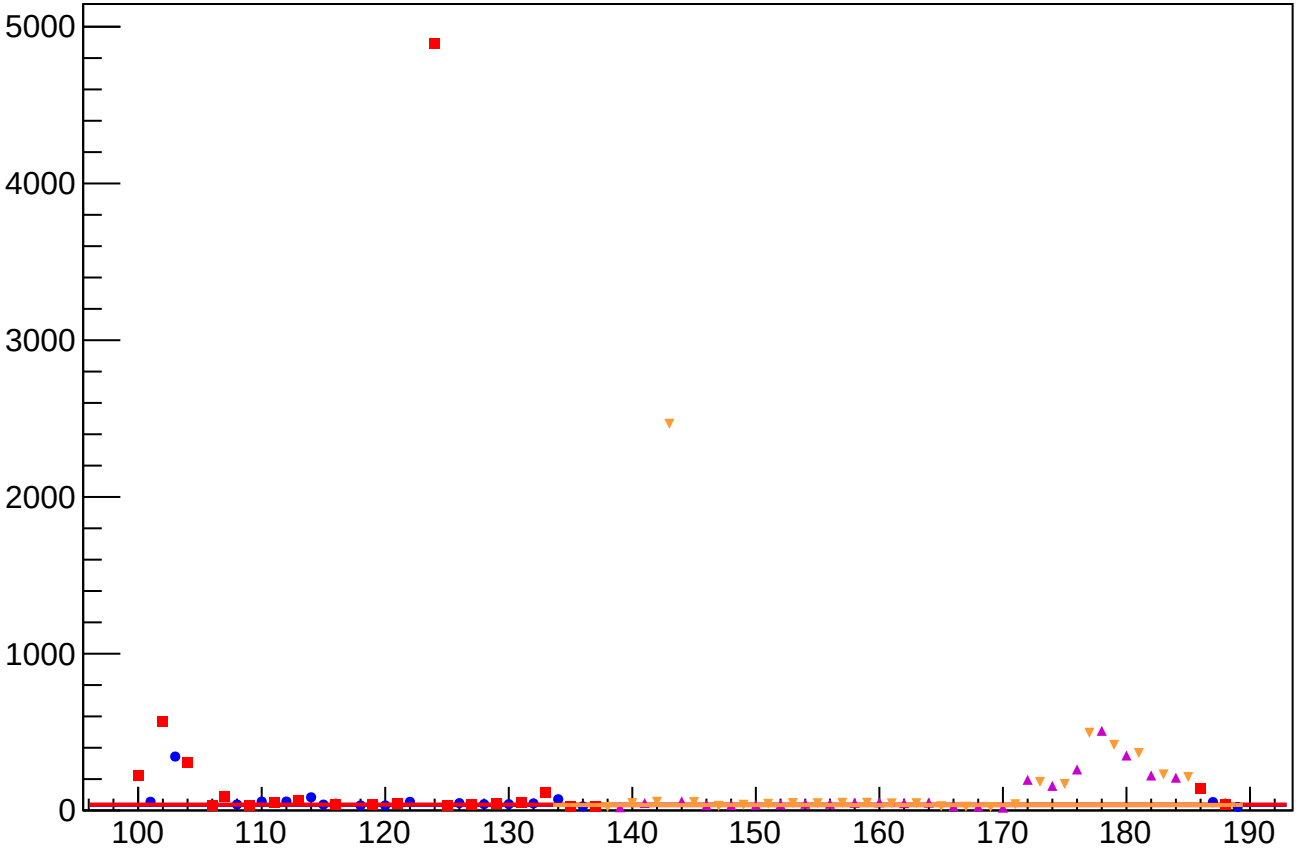
Right: 0.013+/-0.011 χ^2/NDF: 40.7/38

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 84.0/86

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

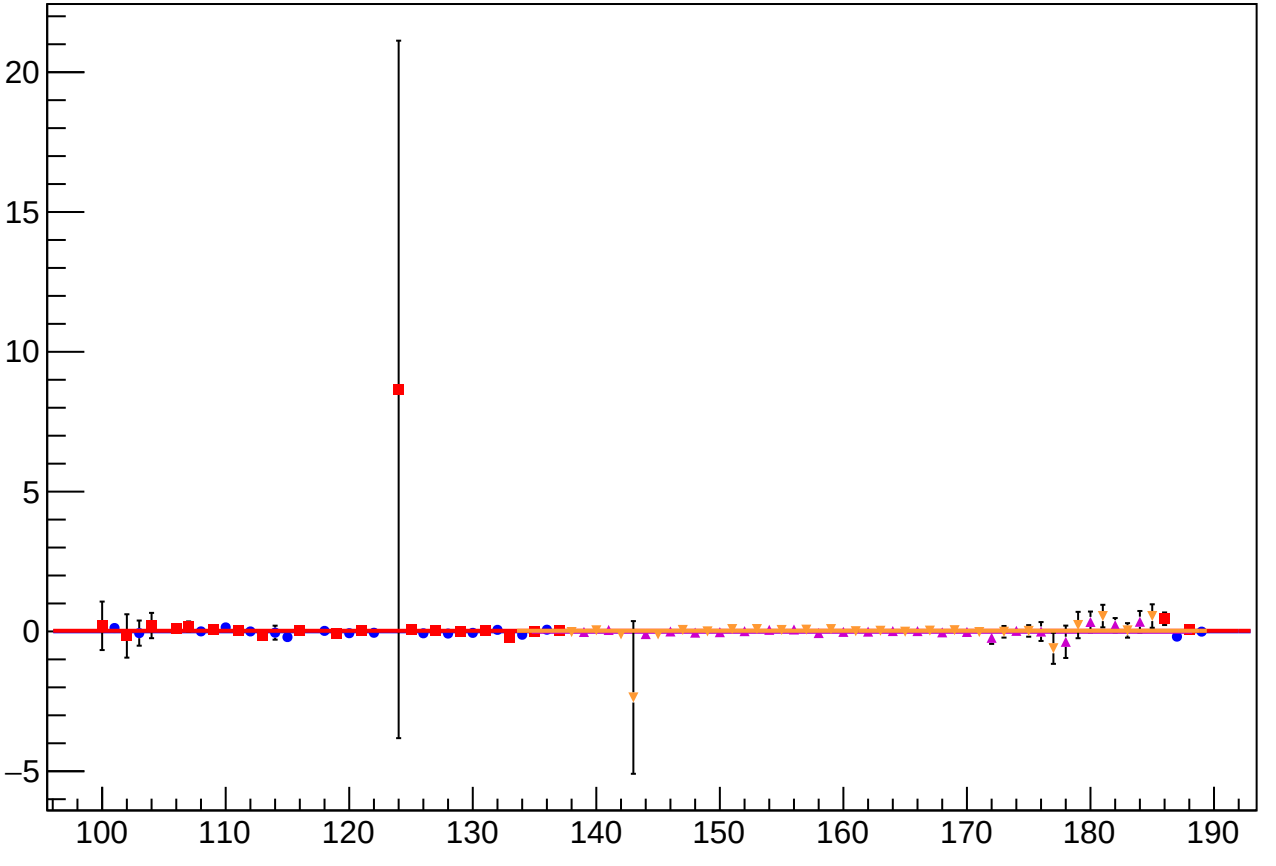
Right: 36.446+/-0.008 χ^2/NDF: 5895332.8/38

In: 34.261+/-0.006 χ^2/NDF:12350108.4/40

Out: 35.407+/-0.006 χ^2/NDF:15074046.1/45

All: 34.818+/-0.004 χ^2/NDF: 27442868.8/86

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

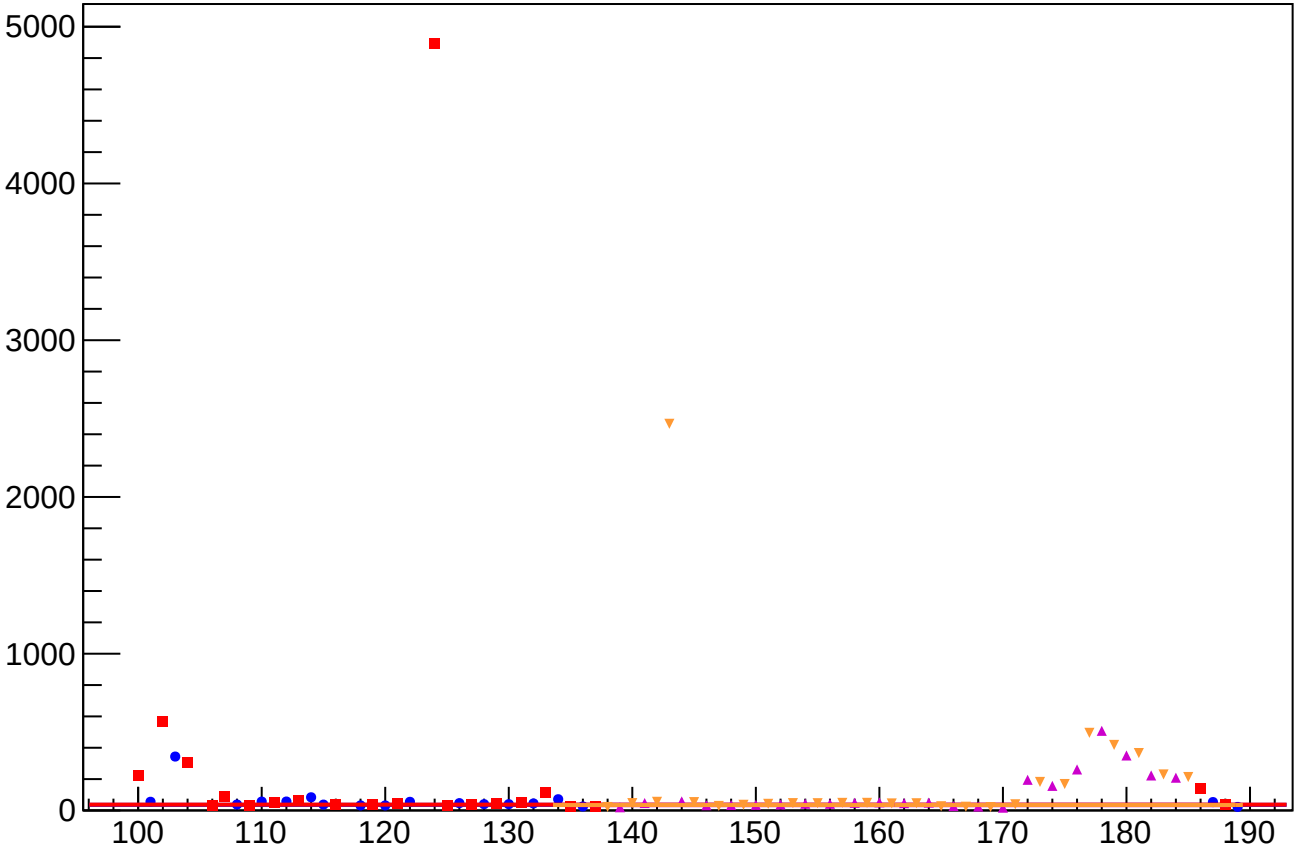
Right: 0.013+/-0.011 χ^2/NDF: 40.7/38

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 84.0/86

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.758+/-0.011 χ^2/NDF: 2253352.4/17

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

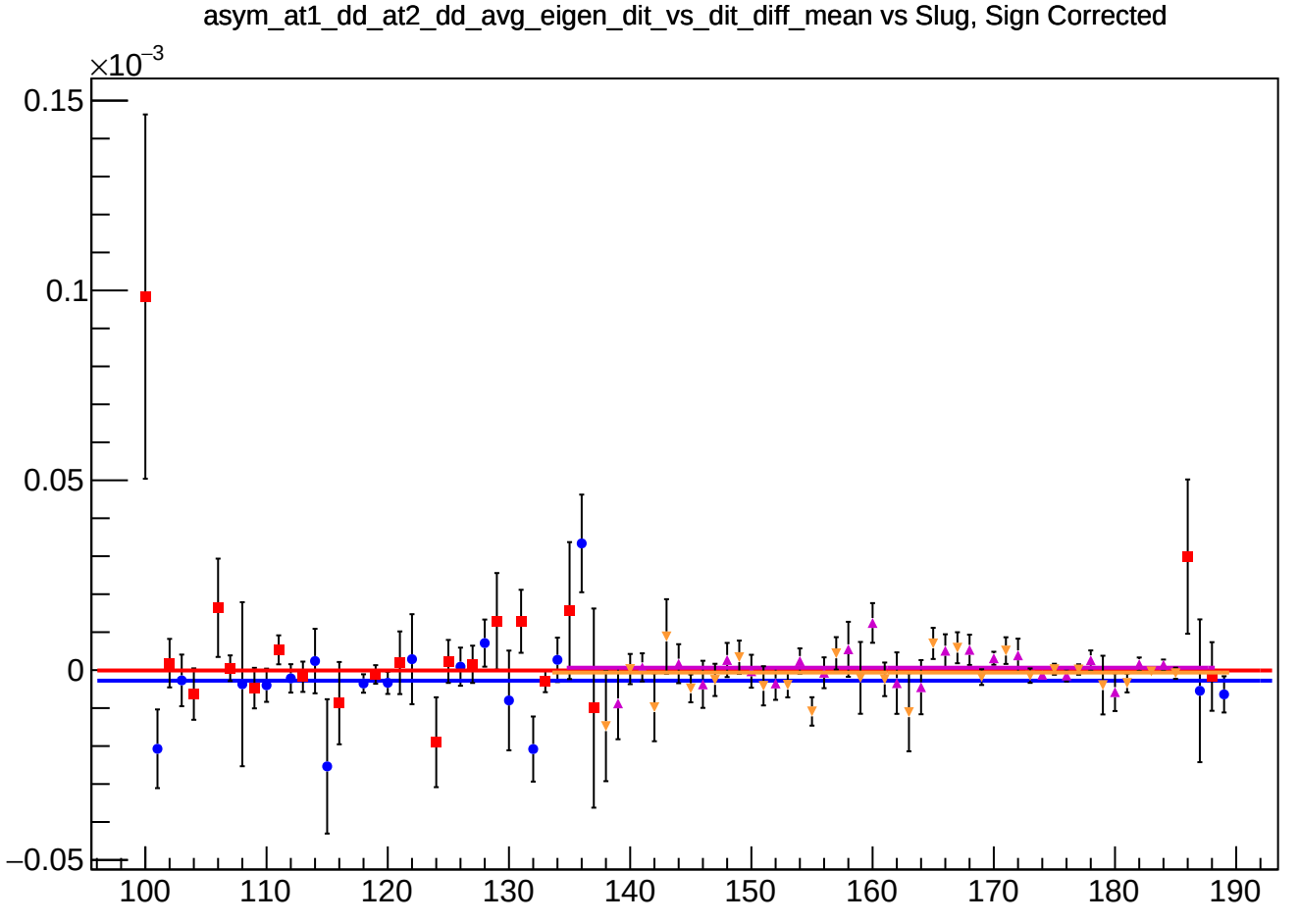
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.446+/-0.008 χ^2/NDF: 5895332.8/38

In: 34.261+/-0.006 χ^2/NDF:12350108.4/40

Out: 35.407+/-0.006 χ^2/NDF:15074046.1/45

All: 34.818+/-0.004 χ^2/NDF: 27442868.8/86



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/20

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

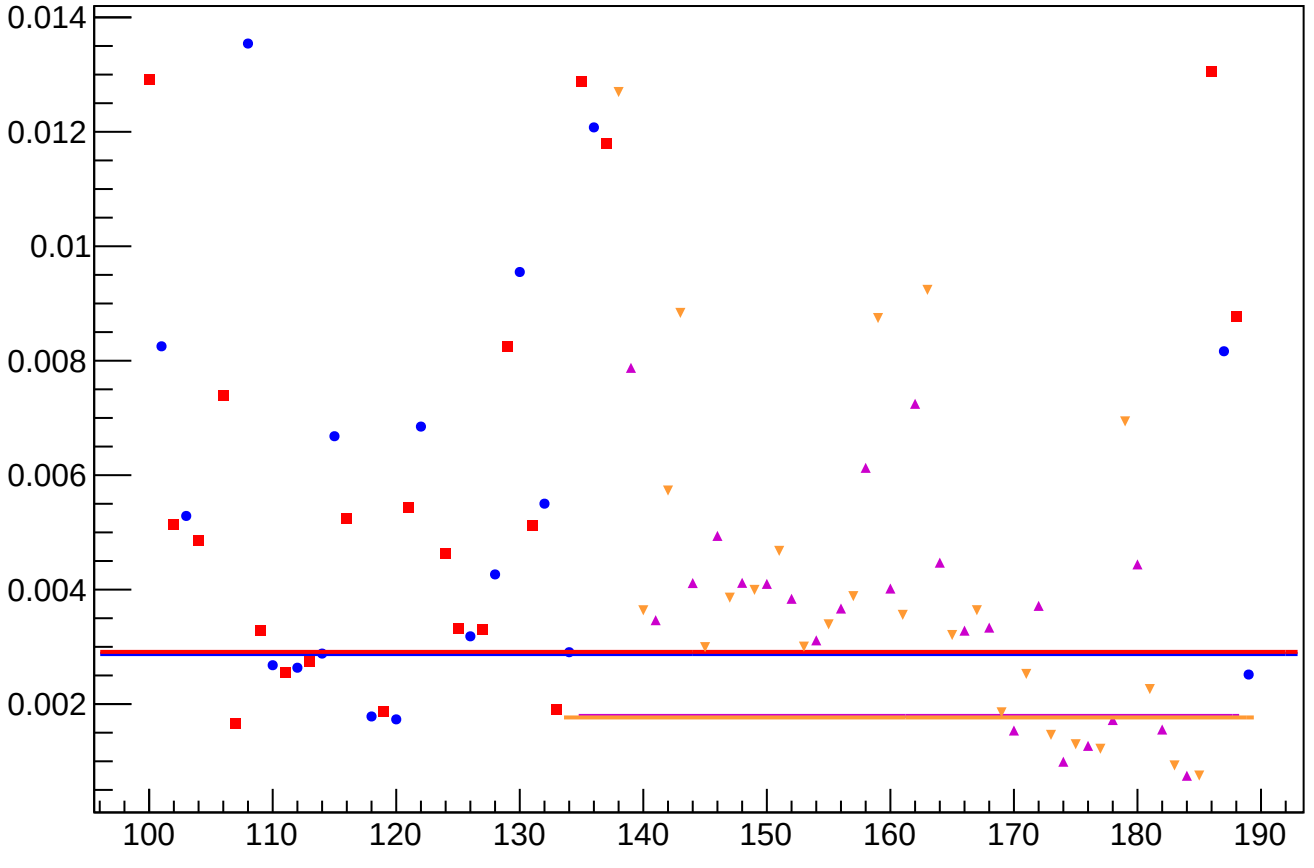
Right: -0.000+/-0.000 χ^2/NDF: 46.0/38

In: 0.000+/-0.000 χ^2/NDF:50.6/40

Out: -0.000+/-0.000 χ^2/NDF:49.7/45

All: -0.000+/-0.000 χ^2/NDF: 101.2/86

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: 4321613.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4675260.3/20

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

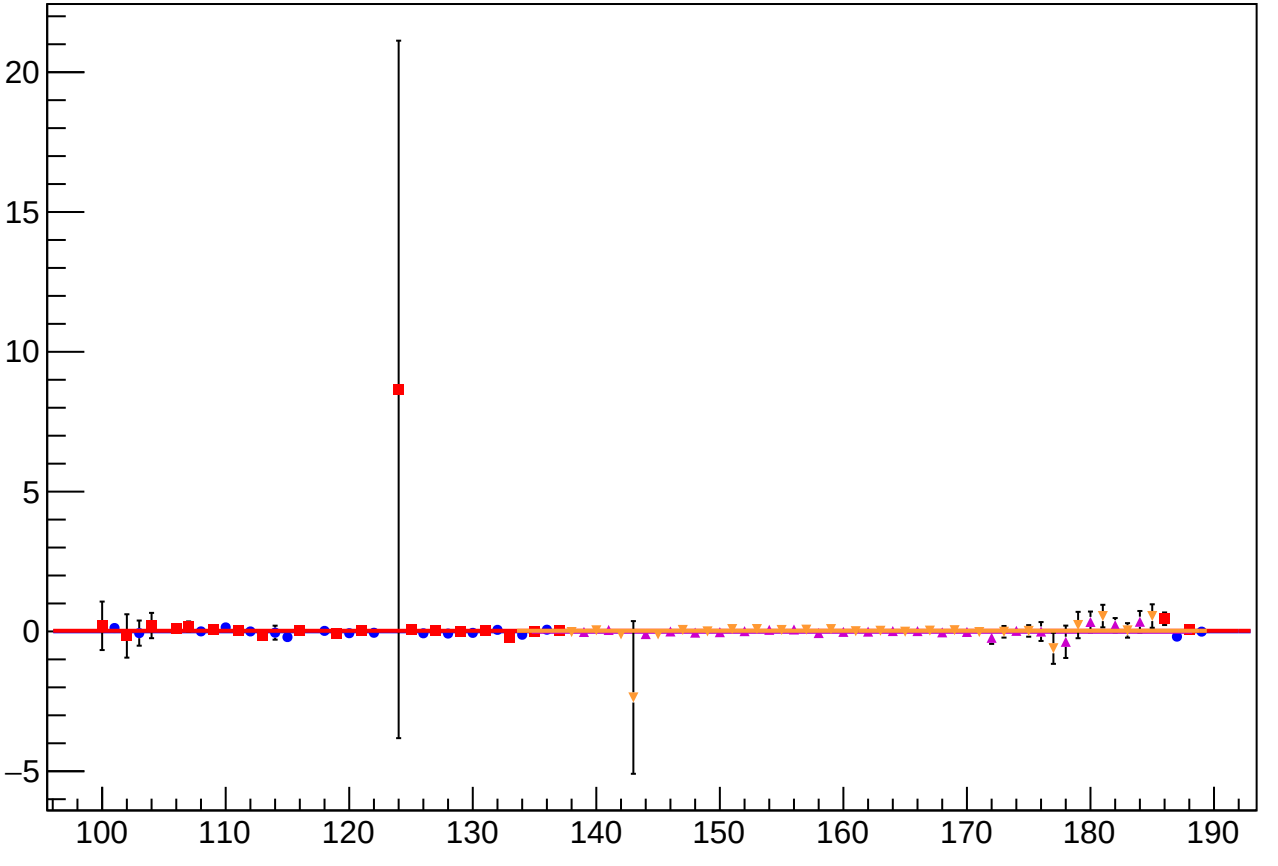
Right: 0.003+/-0.000 χ^2/NDF: 8997895.1/38

In: 0.002+/-0.000 χ^2/NDF:16333267.1/40

Out: 0.002+/-0.000 χ^2/NDF:19229812.4/45

All: 0.002+/-0.000 χ^2/NDF: 35563622.8/86

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

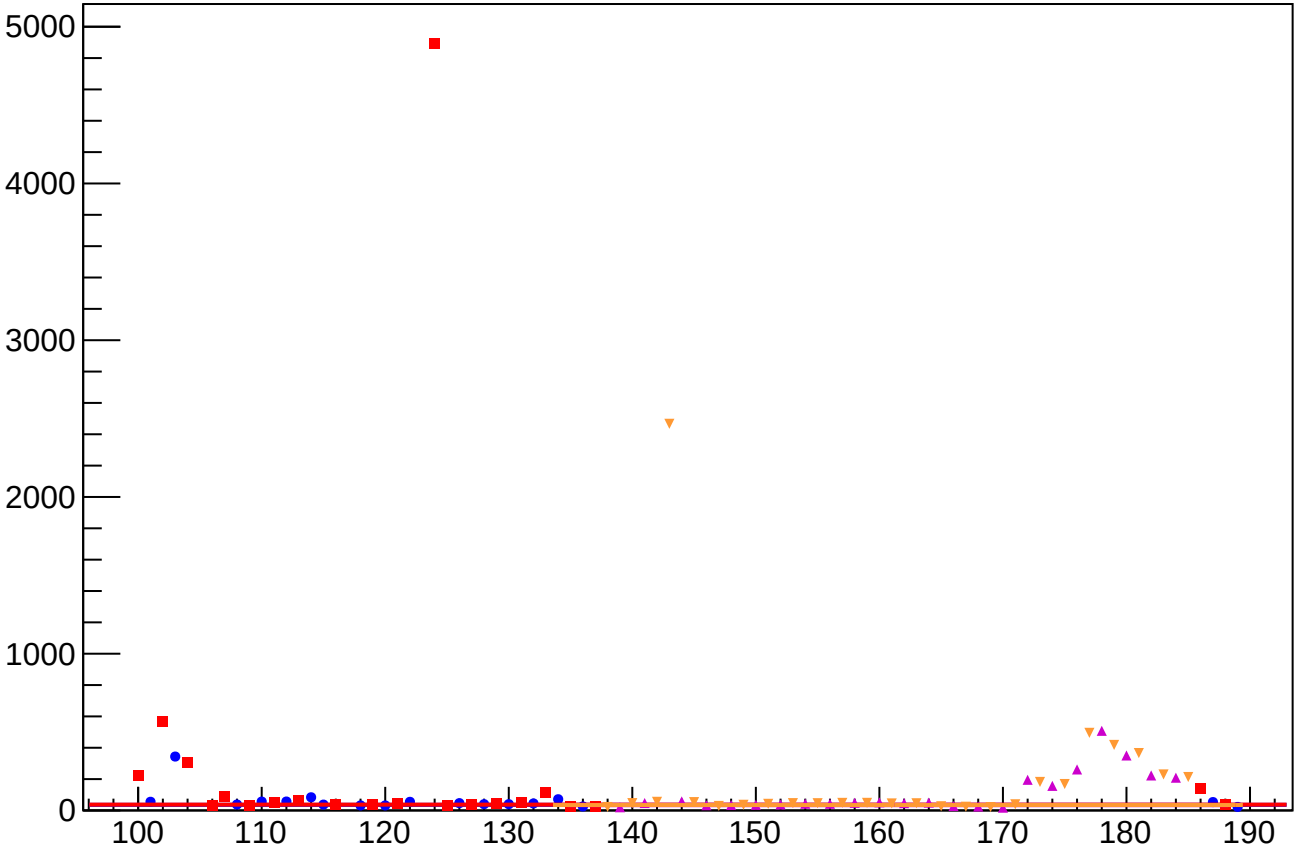
Right: 0.013+/-0.011 χ^2/NDF: 40.7/38

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 84.0/86

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

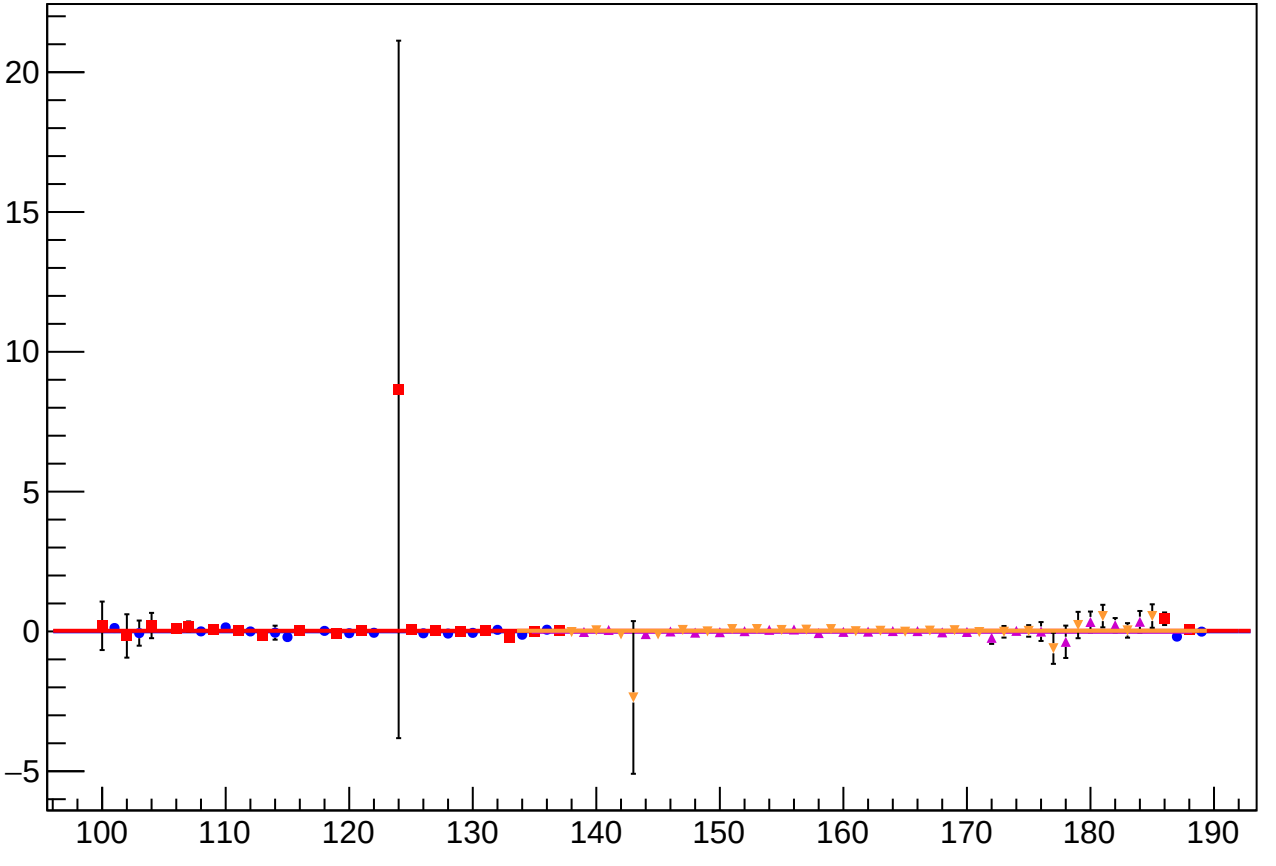
Right: 36.449+/-0.008 χ^2/NDF: 5894291.1/38

In: 34.263+/-0.006 χ^2/NDF:12348172.4/40

Out: 35.407+/-0.006 χ^2/NDF:15073940.5/45

All: 34.819+/-0.004 χ^2/NDF: 27440731.6/86

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.015 χ^2/NDF: 21.6/17

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

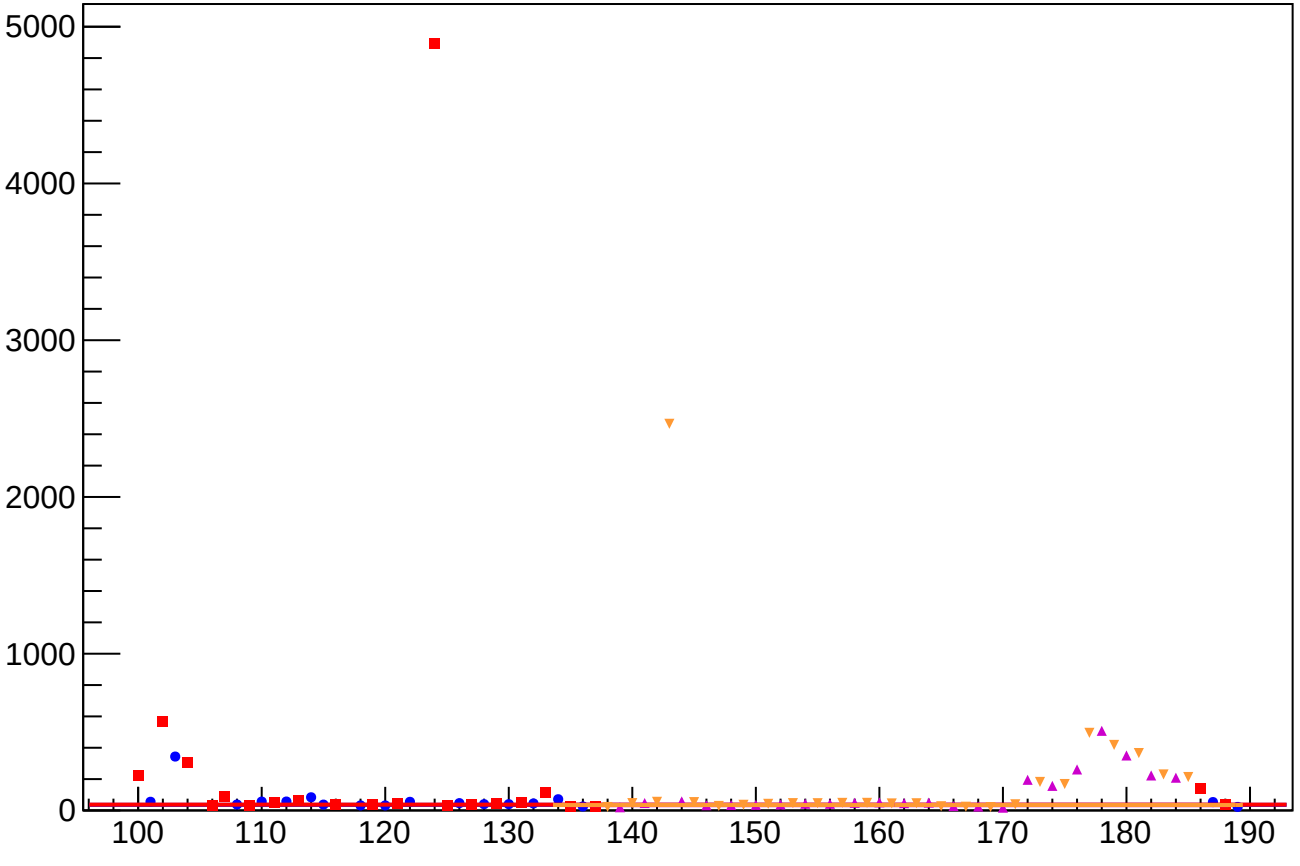
Right: 0.013+/-0.011 χ^2/NDF: 40.7/38

In: -0.005+/-0.008 χ^2/NDF:37.0/40

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 84.0/86

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.762+/-0.011 χ^2/NDF: 2252643.7/17

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

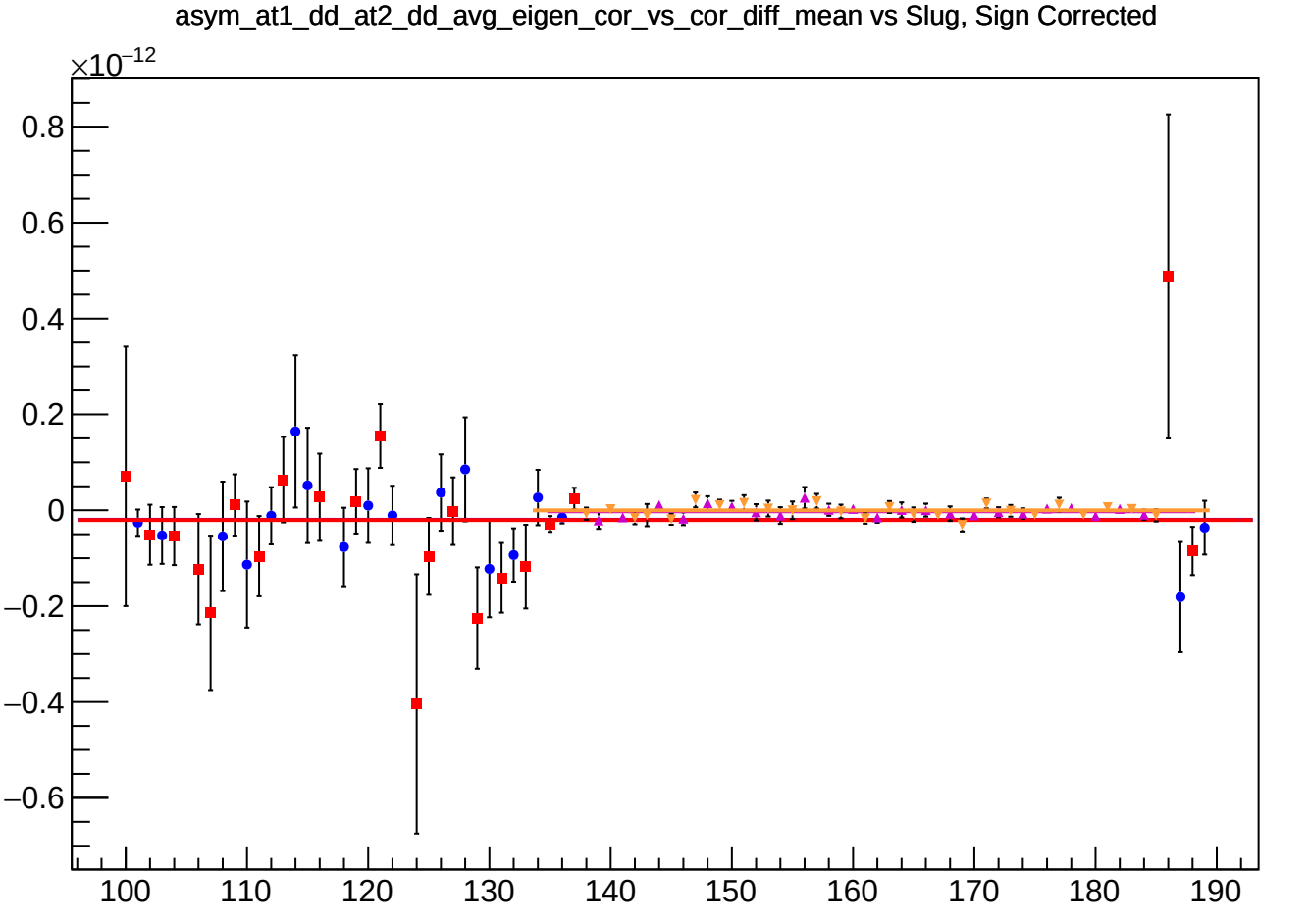
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

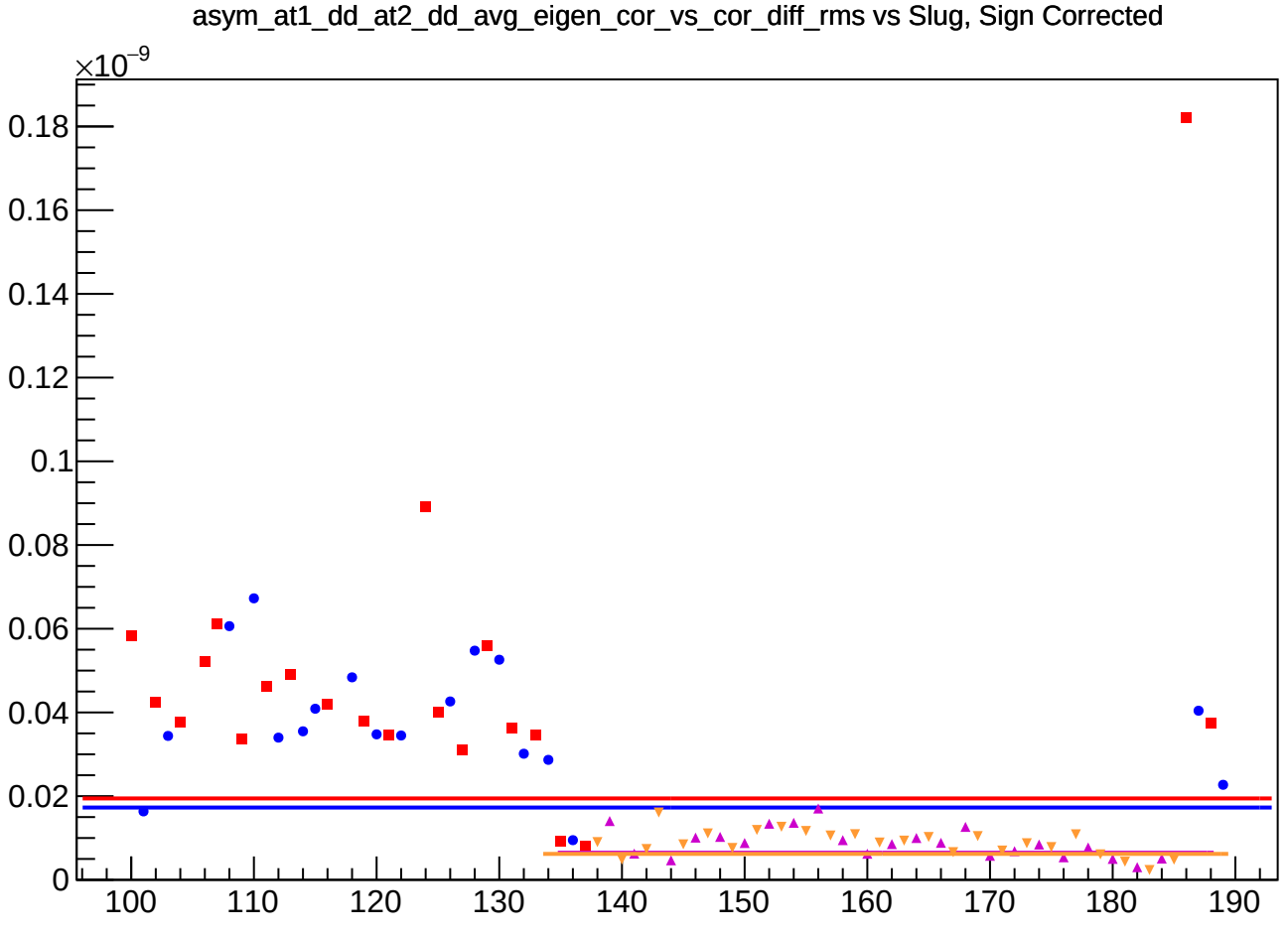
Right: 36.449+/-0.008 χ^2/NDF: 5894291.1/38

In: 34.263+/-0.006 χ^2/NDF:12348172.4/40

Out: 35.407+/-0.006 χ^2/NDF:15073940.5/45

All: 34.819+/-0.004 χ^2/NDF: 27440731.6/86


asym_at1_dd_at2_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
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.4/17
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.2/20
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: 41.6/38
In: -0.000+/-0.000 χ²/NDF:33.6/40
Out: -0.000+/-0.000 χ²/NDF:60.6/45
All: -0.000+/-0.000 χ²/NDF: 94.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 3310003.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4411151.0/20

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

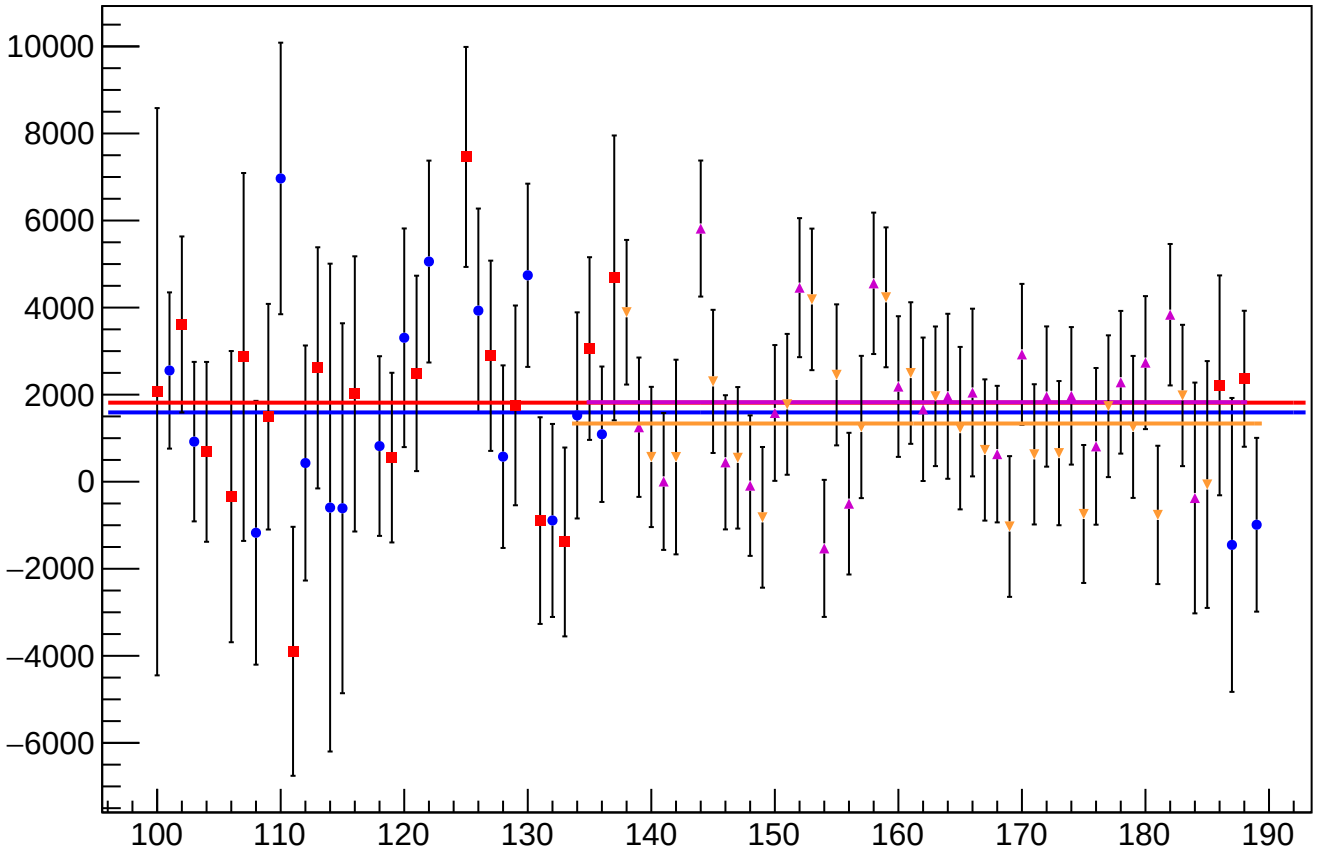
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7765921.8/38

In: 0.000+/-0.000 χ^2/NDF:9661973.0/40

Out: 0.000+/-0.000 χ^2/NDF:12407097.6/45

All: 0.000+/-0.000 χ^2/NDF: 22095693.4/86



Right In: 1591.880+/-542.926 χ^2/NDF: 15.0/17

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1815.804+/-538.850 χ^2/NDF: 16.1/19

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

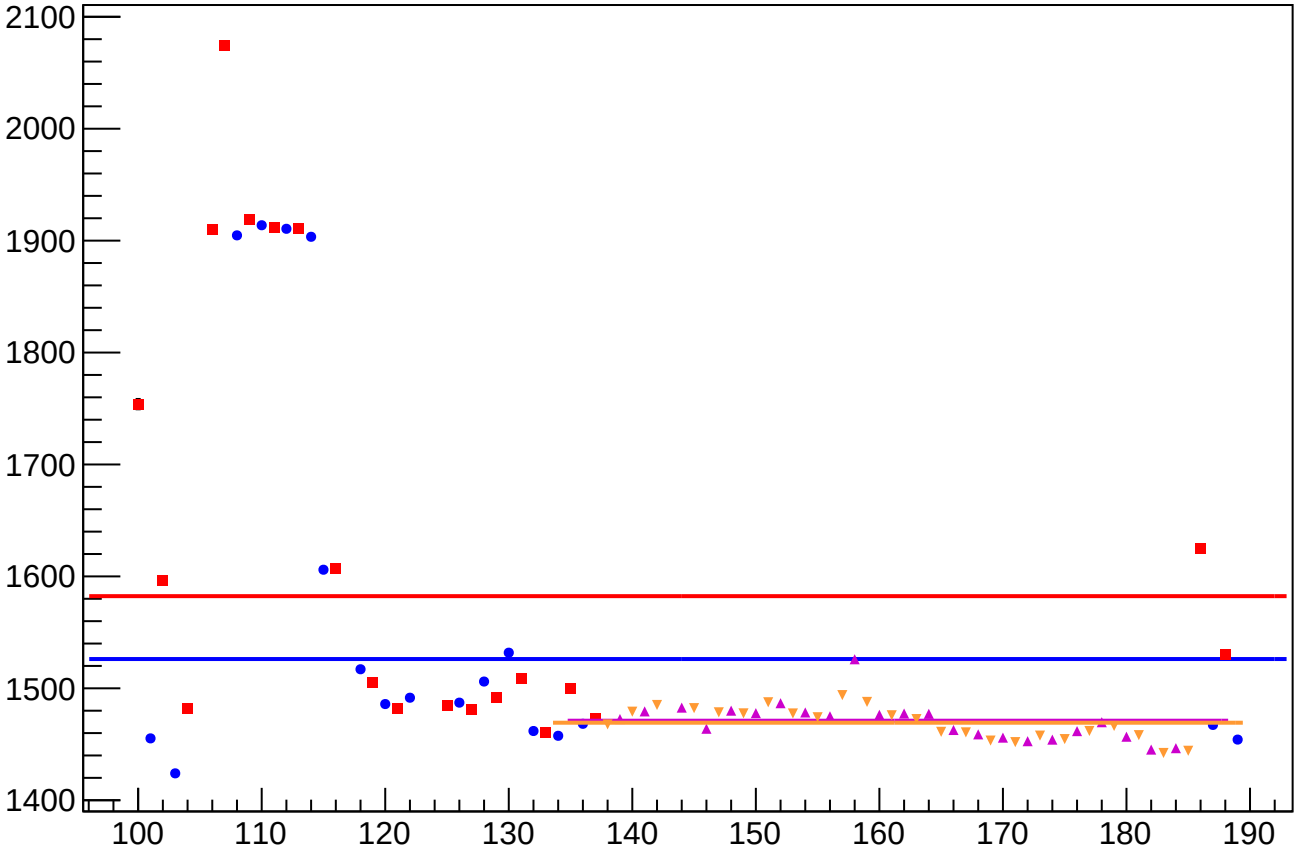
Right: 1704.686+/-382.457 χ^2/NDF: 31.2/37

In: 1759.506+/-290.270 χ^2/NDF:41.6/40

Out: 1473.930+/-288.156 χ^2/NDF:35.9/43

All: 1615.674+/-204.501 χ^2/NDF: 78.0/84

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.4/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1582.350+/-0.381 χ^2/NDF: 174928.1/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

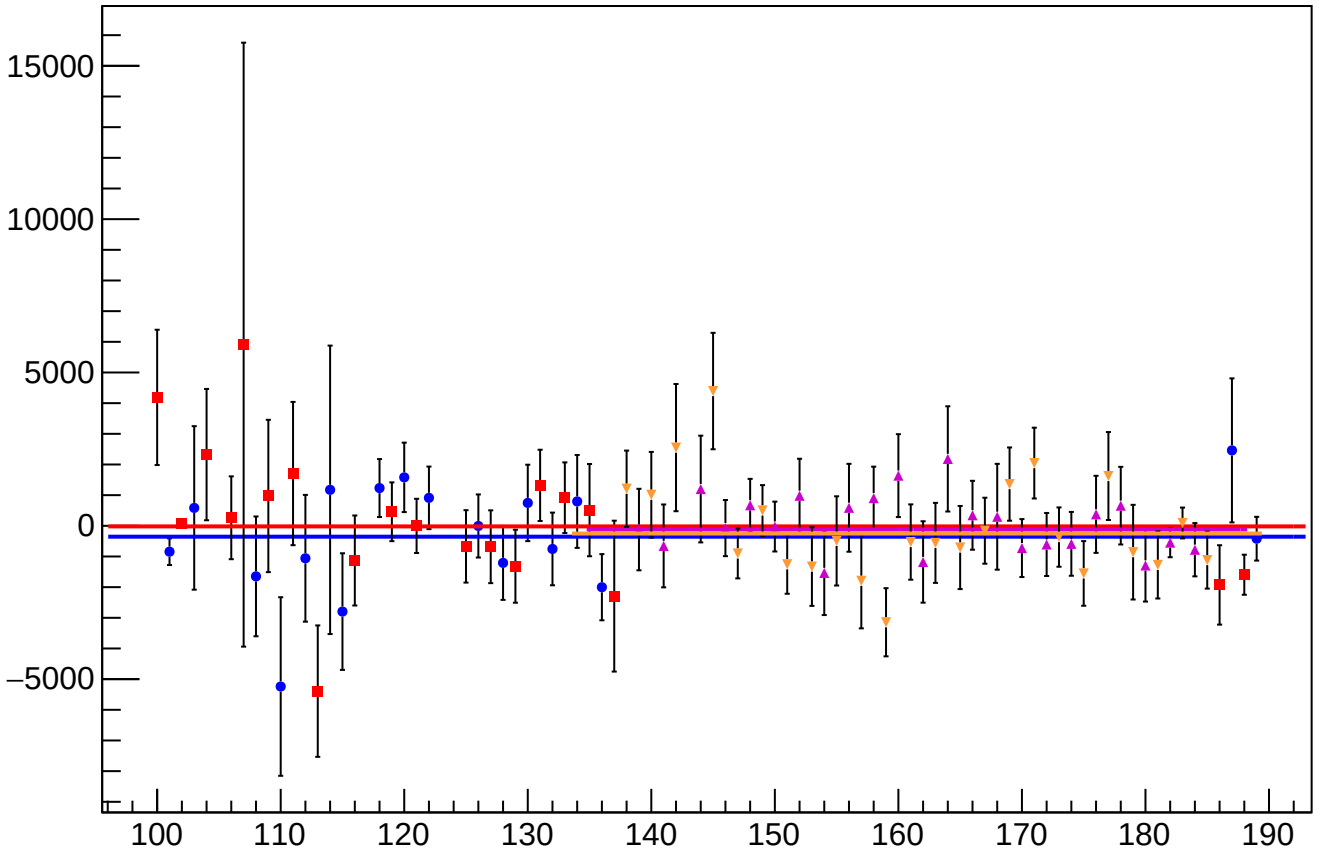
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1554.469+/-0.270 χ^2/NDF: 318551.9/37

In: 1486.807+/-0.205 χ^2/NDF:152192.4/40

Out: 1501.605+/-0.204 χ^2/NDF:240977.5/43

All: 1494.260+/-0.145 χ^2/NDF: 395788.0/84



Right In: -354.492+/-252.853 χ^2/NDF: 19.7/17

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -18.862+/-124.744 χ^2/NDF: 26.2/19

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

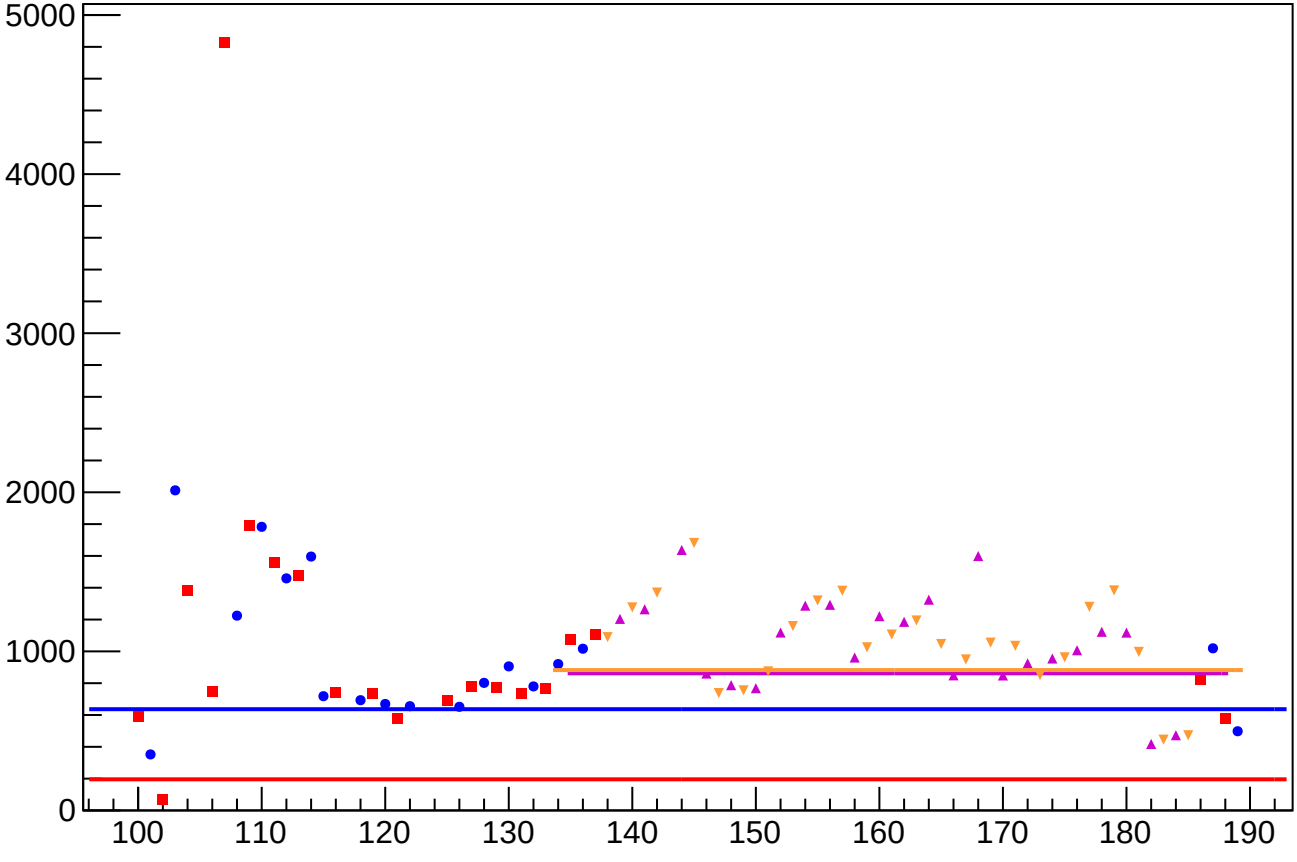
Right: -84.560+/-111.871 χ^2/NDF: 47.2/37

In: -218.800+/-164.223 χ^2/NDF:33.0/40

Out: -76.127+/-108.316 χ^2/NDF:59.7/43

All: -119.378+/-90.420 χ^2/NDF: 93.2/84

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.499+/-0.179 χ^2/NDF: 2897316.3/17

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 195.721+/-0.088 χ^2/NDF: 10980742.0/19

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

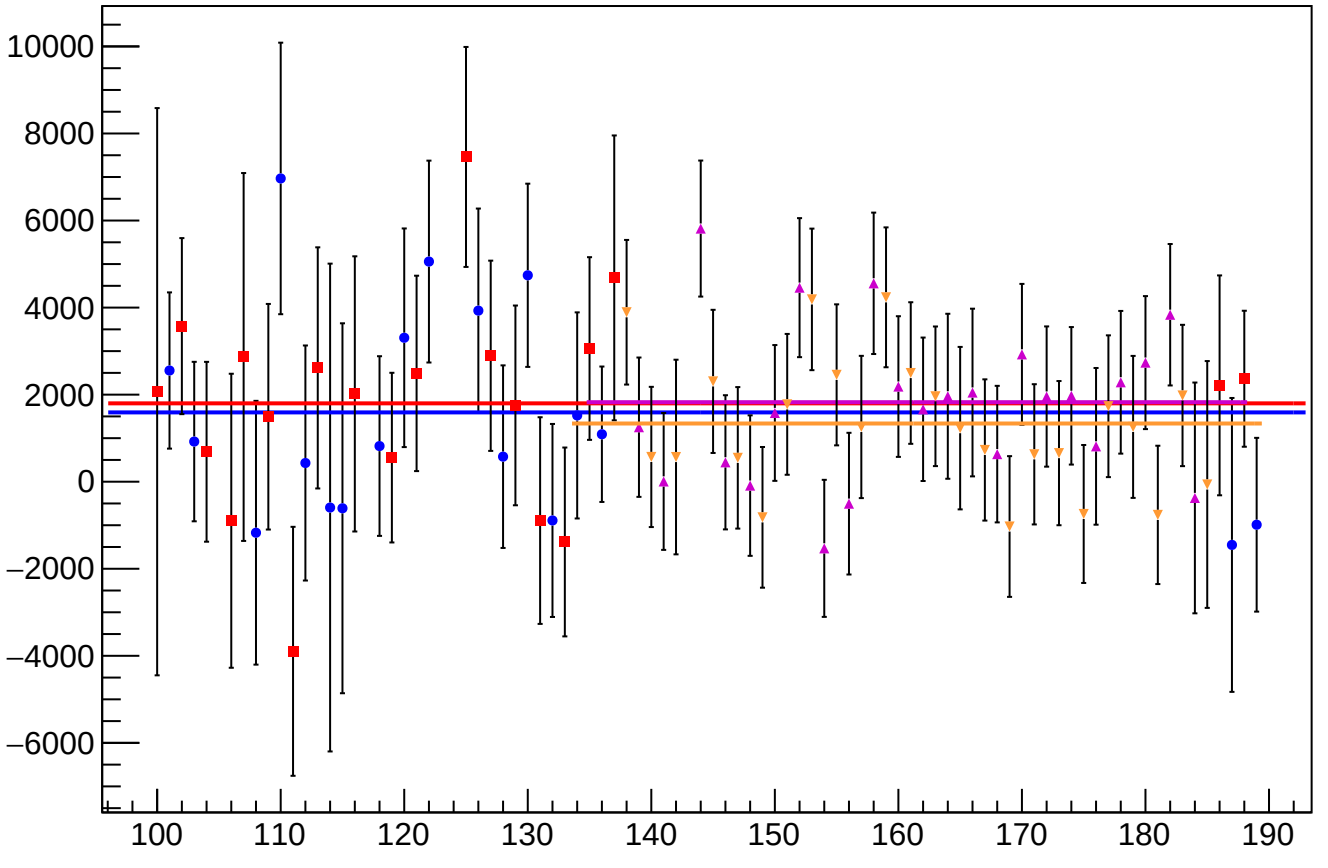
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 282.002+/-0.079 χ^2/NDF: 18765994.0/37

In: 767.051+/-0.116 χ^2/NDF:8188867.9/40

Out: 364.678+/-0.077 χ^2/NDF:29794187.4/43

All: 486.658+/-0.064 χ^2/NDF: 46349818.8/84



Right In: 1591.994+/-542.926 χ^2/NDF: 15.0/17

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1800.075+/-538.989 χ^2/NDF: 16.3/19

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

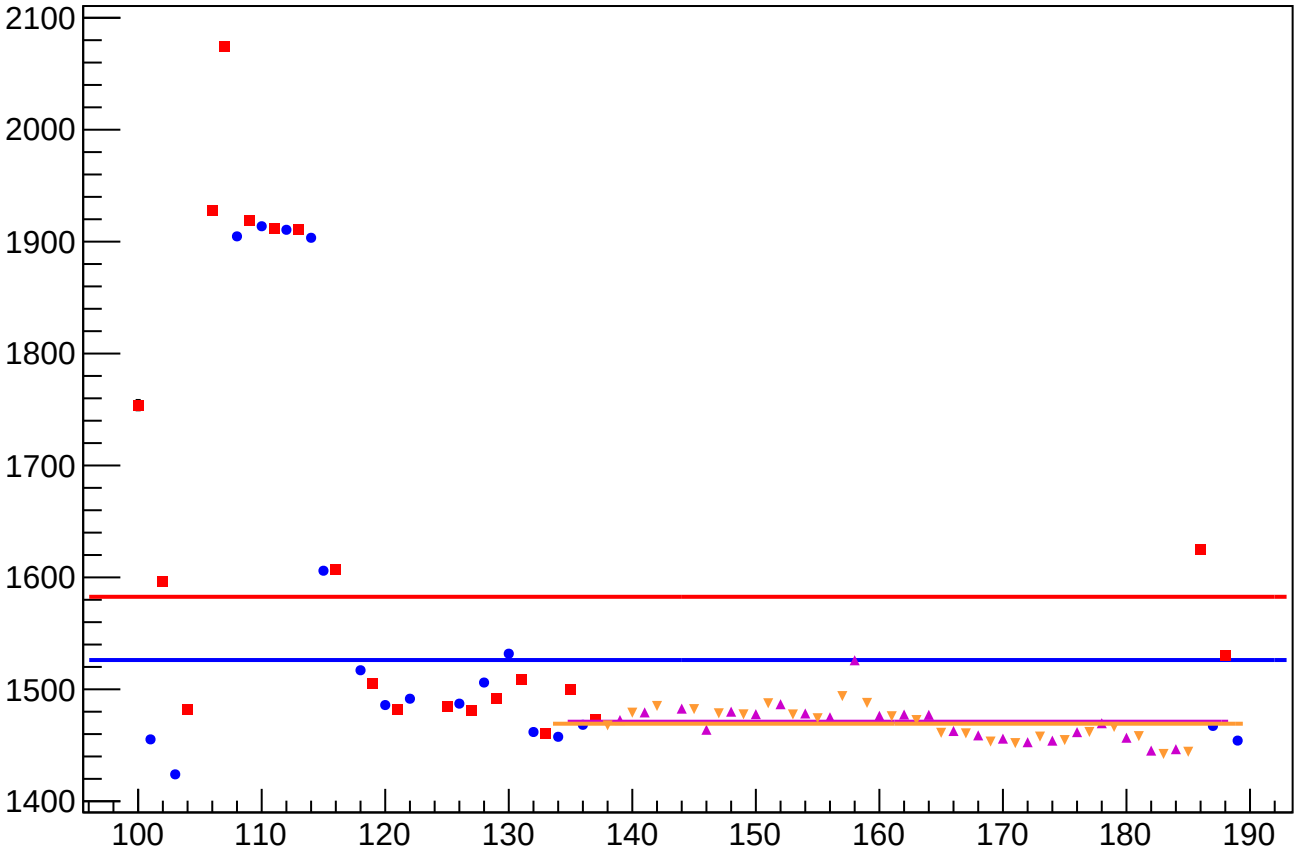
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1696.792+/-382.507 χ^2/NDF: 31.4/37

In: 1759.571+/-290.270 χ^2/NDF:41.6/40

Out: 1469.390+/-288.178 χ^2/NDF:36.1/43

All: 1613.431+/-204.508 χ^2/NDF: 78.1/84



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.3/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1582.669+/-0.381 χ^2/NDF: 176729.4/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

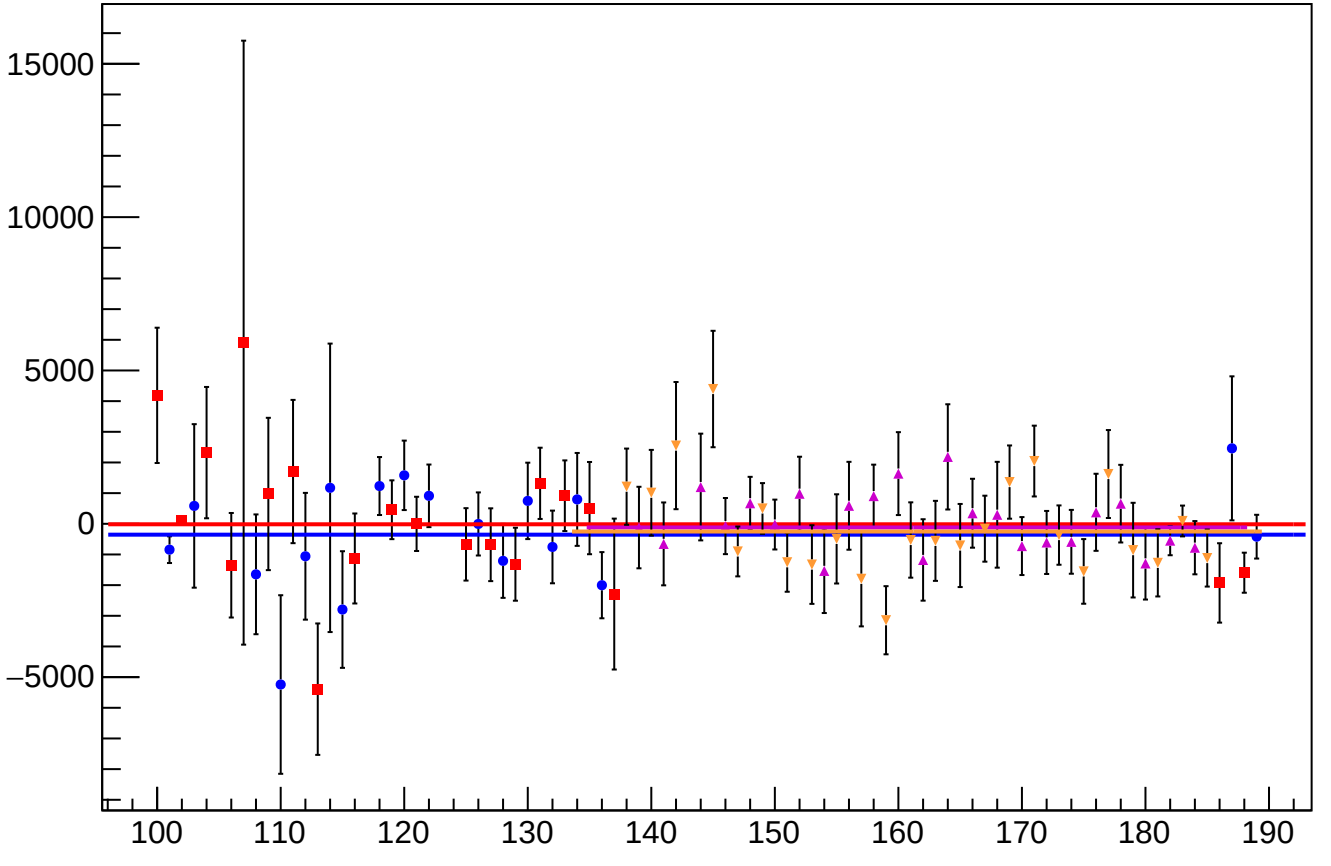
Right: 1554.622+/-0.270 χ^2/NDF: 320473.2/37

In: 1486.807+/-0.205 χ^2/NDF:152192.4/40

Out: 1501.685+/-0.204 χ^2/NDF:243110.8/43

All: 1494.299+/-0.145 χ^2/NDF: 397949.3/84

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -354.443+/-252.852 χ^2/NDF: 19.7/17

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -15.672+/-134.417 χ^2/NDF: 27.0/19

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

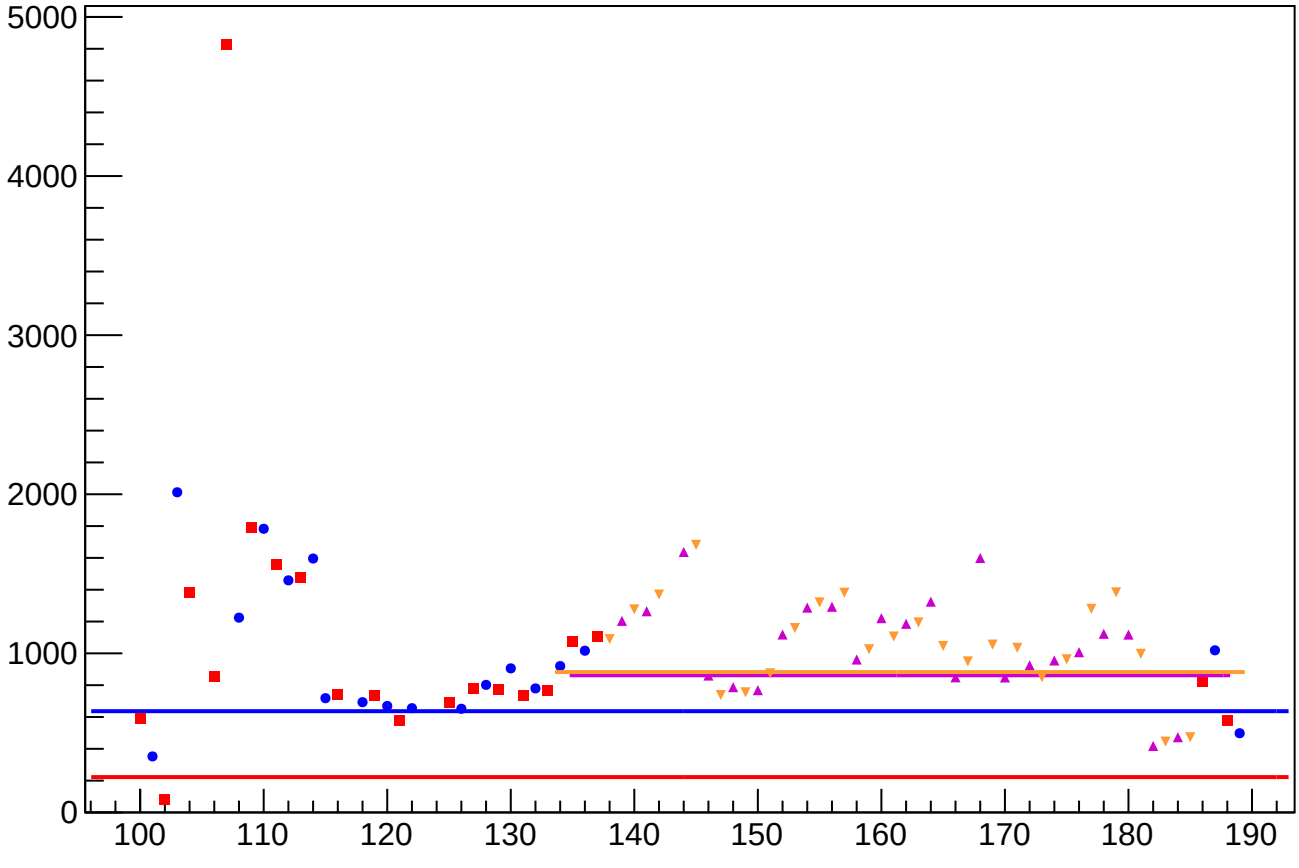
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -90.315+/-118.688 χ^2/NDF: 48.0/37

In: -218.804+/-164.223 χ^2/NDF:33.0/40

Out: -80.499+/-114.469 χ^2/NDF:60.5/43

All: -125.723+/-93.907 χ^2/NDF: 94.0/84



Right In: 636.496+/-0.179 χ^2/NDF: 2897354.2/17

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 222.222+/-0.095 χ^2/NDF: 10374766.1/19

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

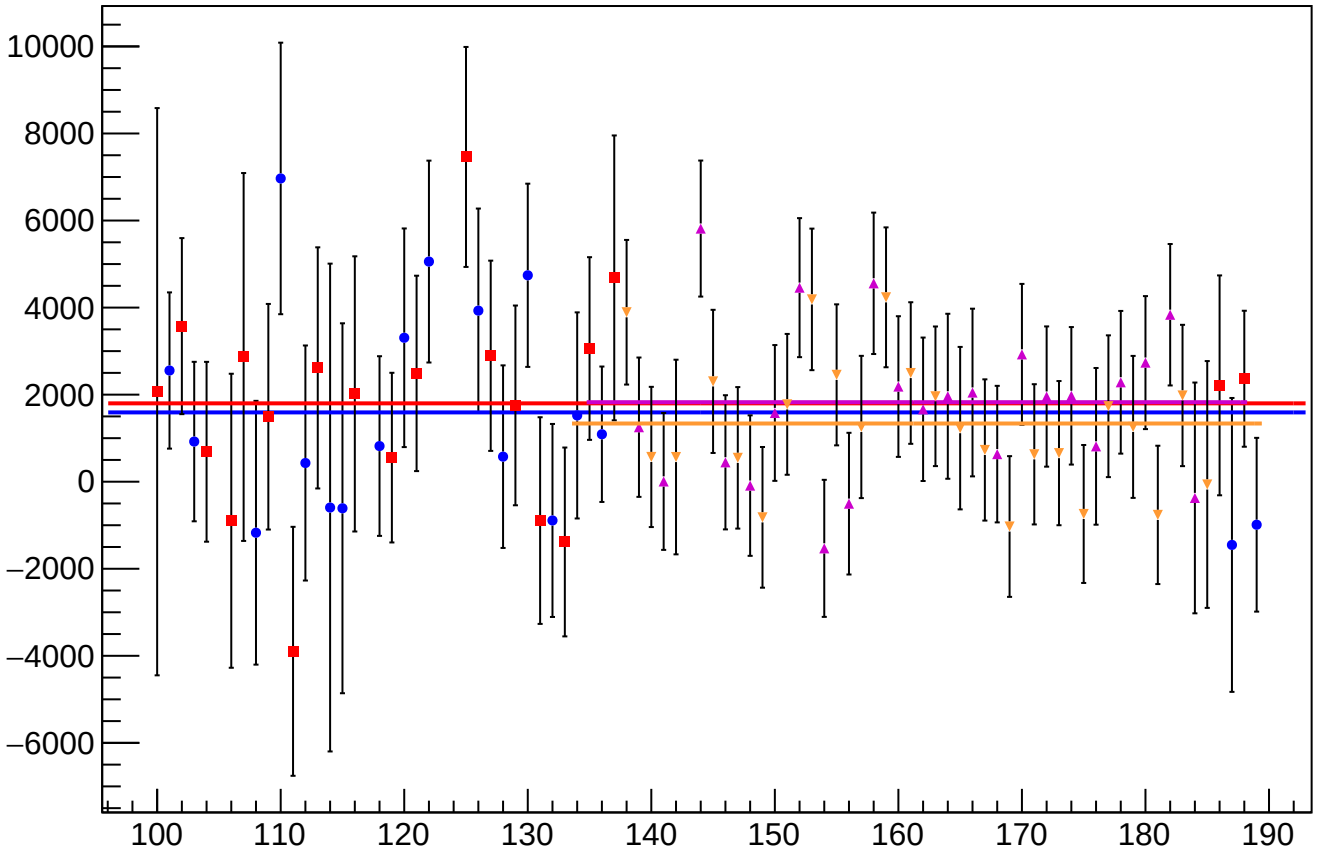
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 313.500+/-0.084 χ^2/NDF: 17457931.3/37

In: 767.050+/-0.116 χ^2/NDF:8188964.7/40

Out: 403.635+/-0.081 χ^2/NDF:27534043.4/43

All: 522.467+/-0.066 χ^2/NDF: 42314620.5/84



Right In: 1591.994+/-542.926 χ^2/NDF: 15.0/17

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1800.075+/-538.989 χ^2/NDF: 16.3/19

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

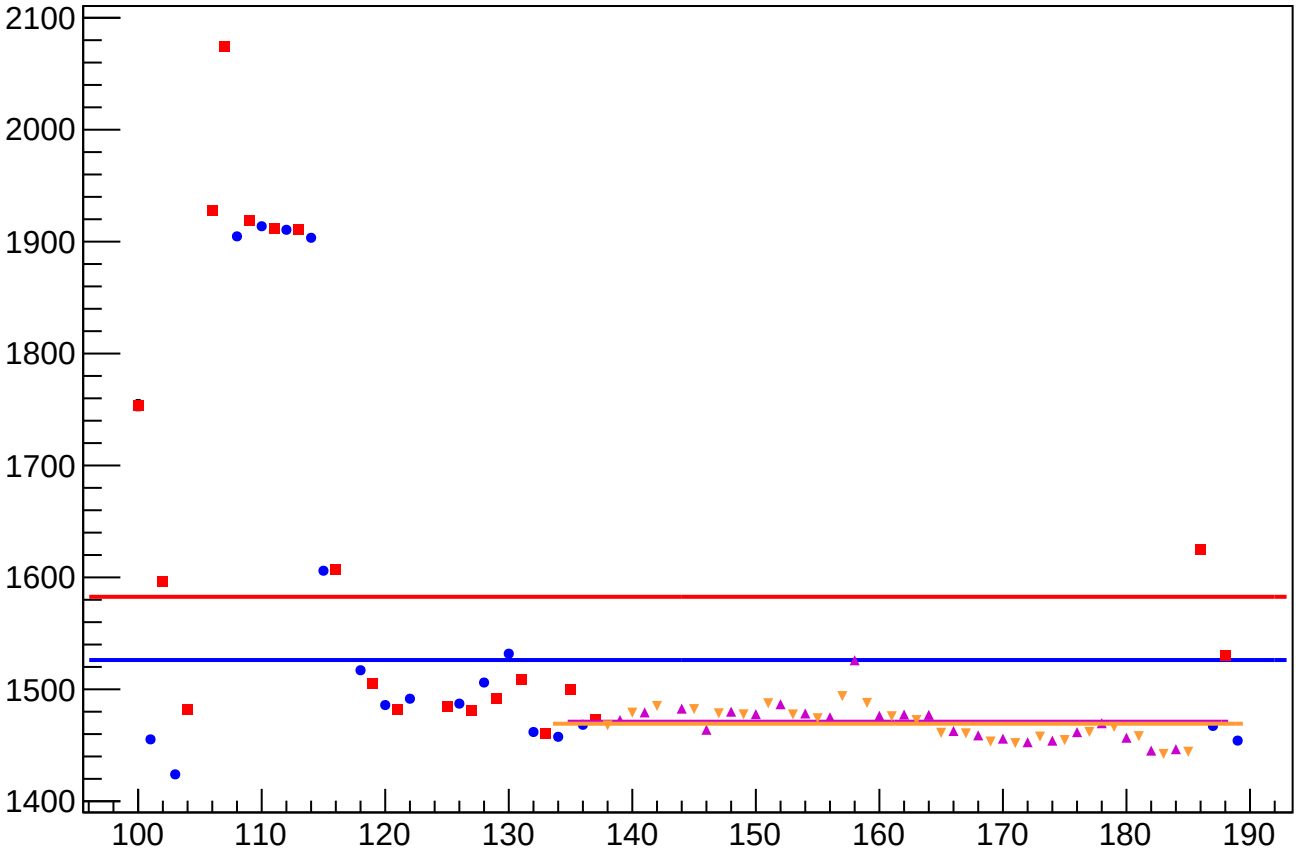
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1696.792+/-382.507 χ^2/NDF: 31.4/37

In: 1759.571+/-290.270 χ^2/NDF:41.6/40

Out: 1469.390+/-288.178 χ^2/NDF:36.1/43

All: 1613.431+/-204.508 χ^2/NDF: 78.1/84



Right In: 1526.164+/-0.384 χ^2/NDF: 132833.3/17

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1582.669+/-0.381 χ^2/NDF: 176729.4/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

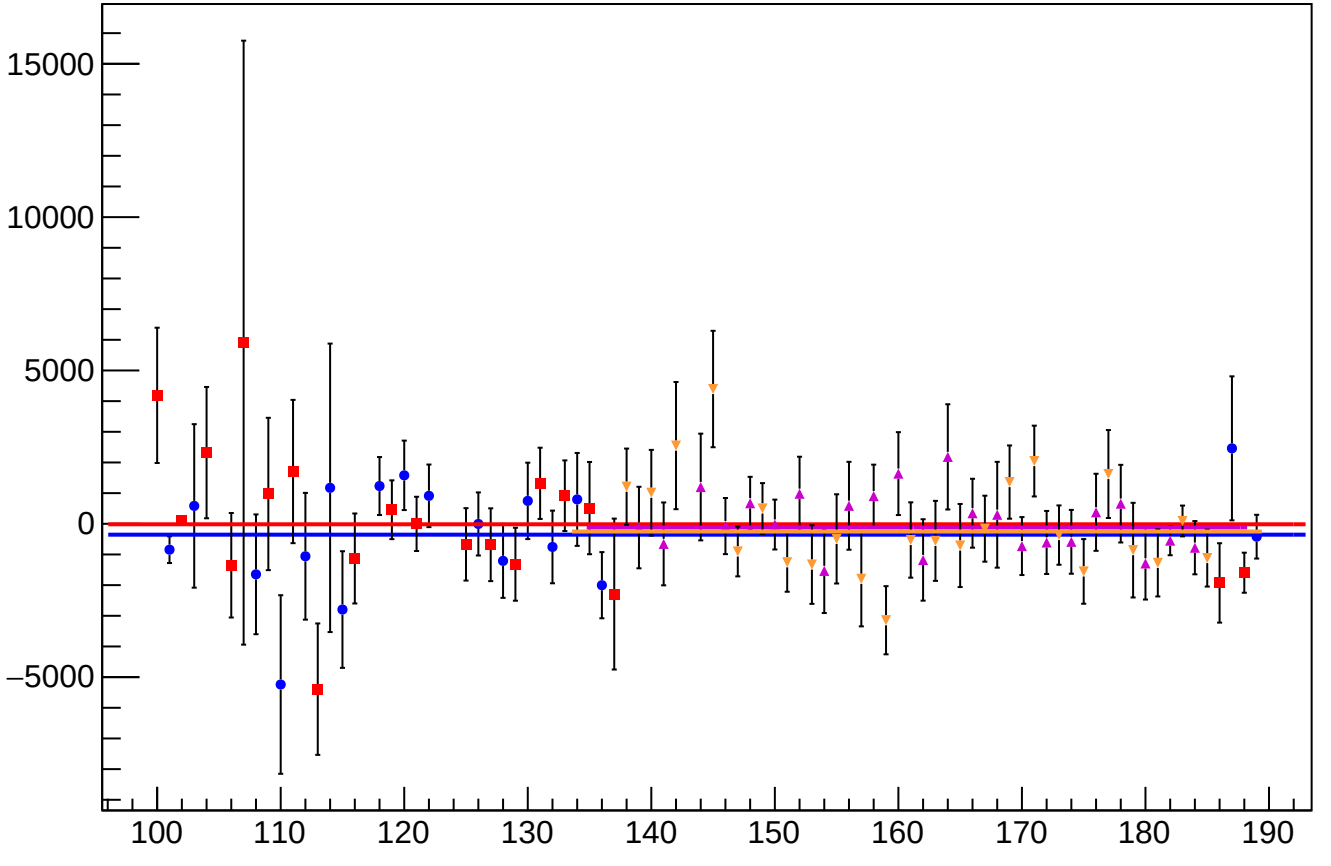
Right: 1554.622+/-0.270 χ^2/NDF: 320473.2/37

In: 1486.807+/-0.205 χ^2/NDF:152192.4/40

Out: 1501.685+/-0.204 χ^2/NDF:243110.8/43

All: 1494.299+/-0.145 χ^2/NDF: 397949.3/84

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -354.443+/-252.852 χ^2/NDF: 19.7/17

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -15.672+/-134.417 χ^2/NDF: 27.0/19

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

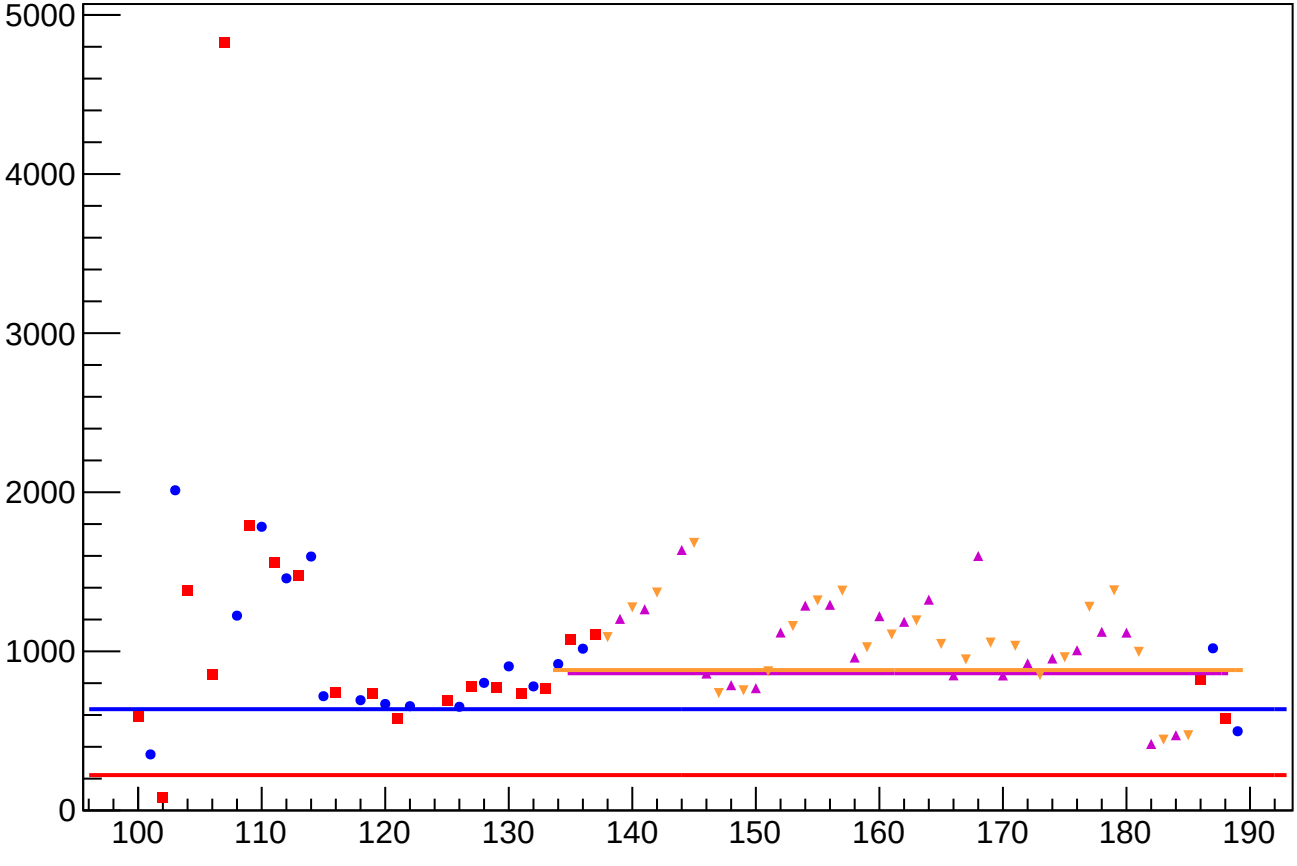
Right: -90.315+/-118.688 χ^2/NDF: 48.0/37

In: -218.804+/-164.223 χ^2/NDF:33.0/40

Out: -80.499+/-114.469 χ^2/NDF:60.5/43

All: -125.723+/-93.907 χ^2/NDF: 94.0/84

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.496+/-0.179 χ^2/NDF: 2897354.2/17

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 222.222+/-0.095 χ^2/NDF: 10374766.1/19

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

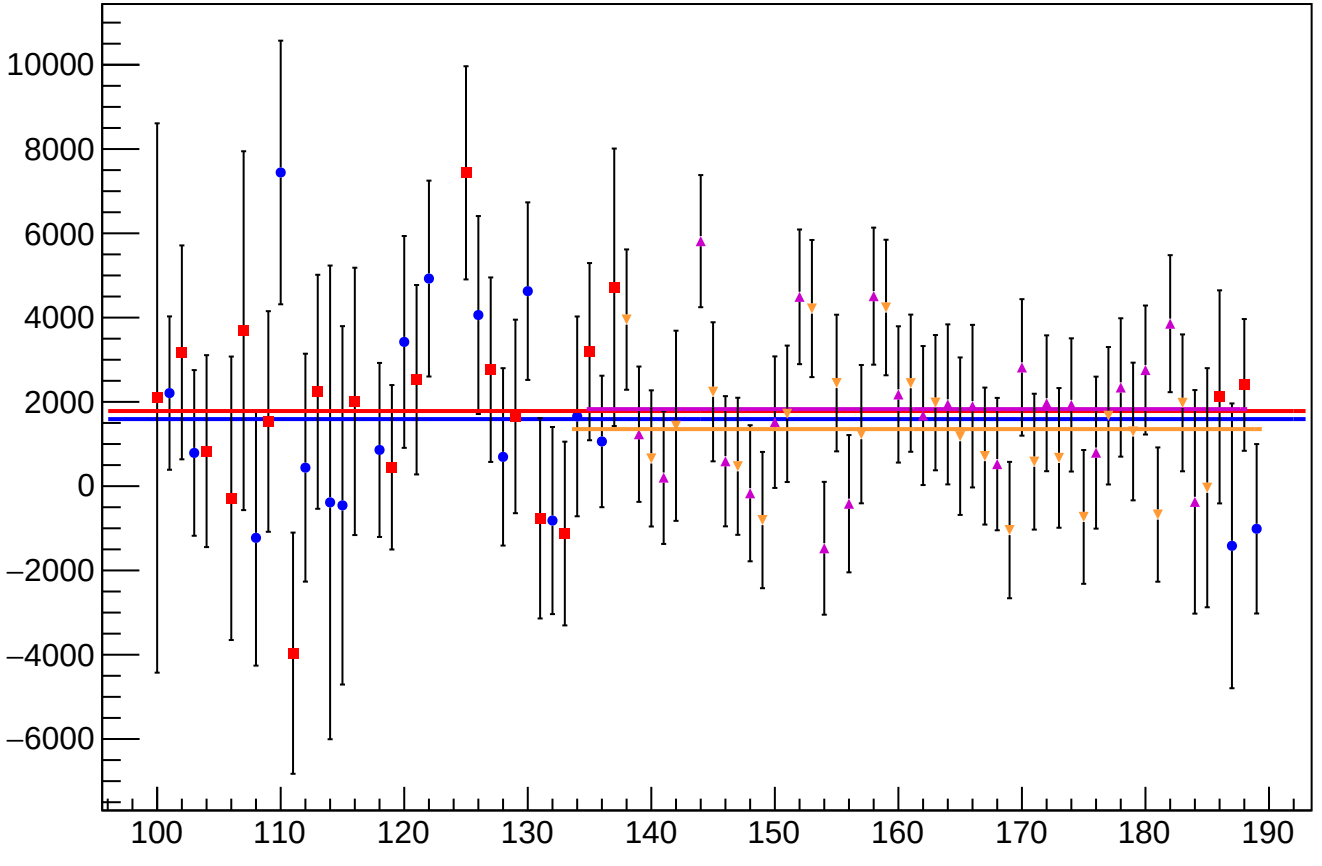
Right: 313.500+/-0.084 χ^2/NDF: 17457931.3/37

In: 767.050+/-0.116 χ^2/NDF:8188964.7/40

Out: 403.635+/-0.081 χ^2/NDF:27534043.4/43

All: 522.467+/-0.066 χ^2/NDF: 42314620.5/84

dit_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1591.400+/-547.824 χ^2/NDF: 15.0/17

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1782.908+/-550.559 χ^2/NDF: 15.3/19

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

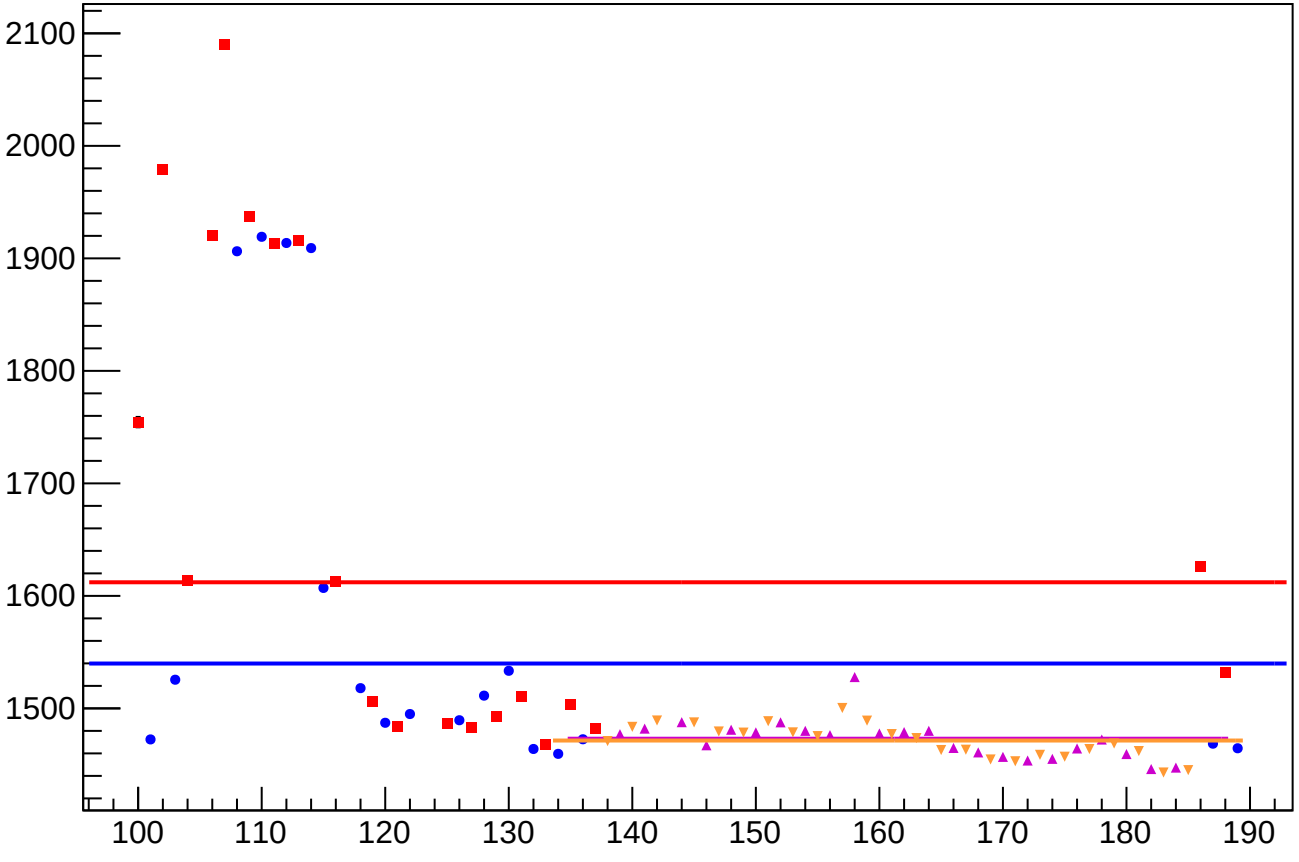
Right: 1686.677+/-388.334 χ^2/NDF: 30.3/37

In: 1761.282+/-291.297 χ^2/NDF:41.0/40

Out: 1472.978+/-290.248 χ^2/NDF:34.6/43

All: 1616.611+/-205.606 χ^2/NDF: 76.1/84

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1539.875+/-0.387 χ^2/NDF: 124014.1/17

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1612.095+/-0.389 χ^2/NDF: 217595.7/19

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

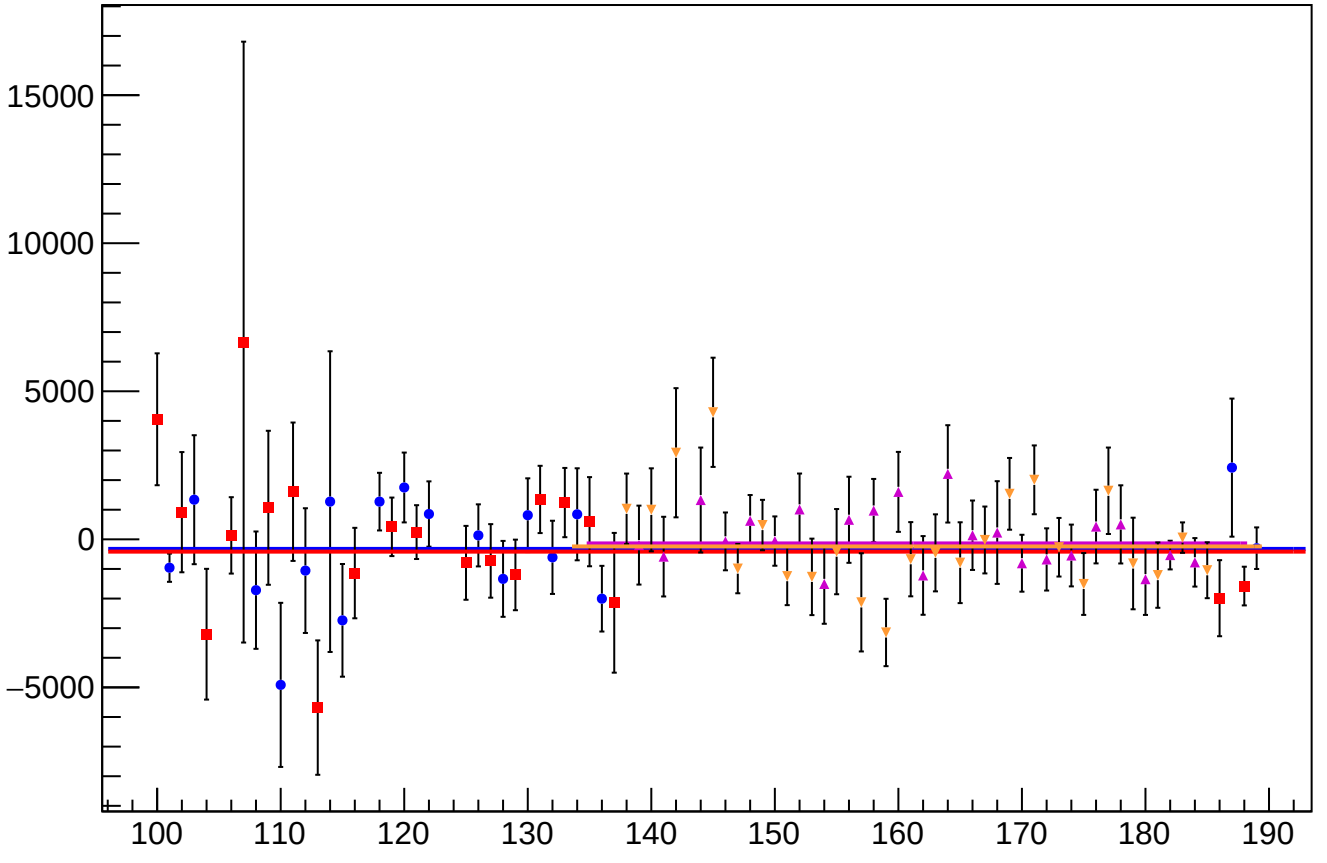
Right: 1575.805+/-0.275 χ^2/NDF: 358902.7/37

In: 1491.943+/-0.206 χ^2/NDF:150111.1/40

Out: 1510.529+/-0.205 χ^2/NDF:315293.4/43

All: 1501.270+/-0.145 χ^2/NDF: 469490.4/84

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -323.224+/-263.620 χ^2/NDF: 20.3/17

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -415.268+/-294.624 χ^2/NDF: 25.3/19

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

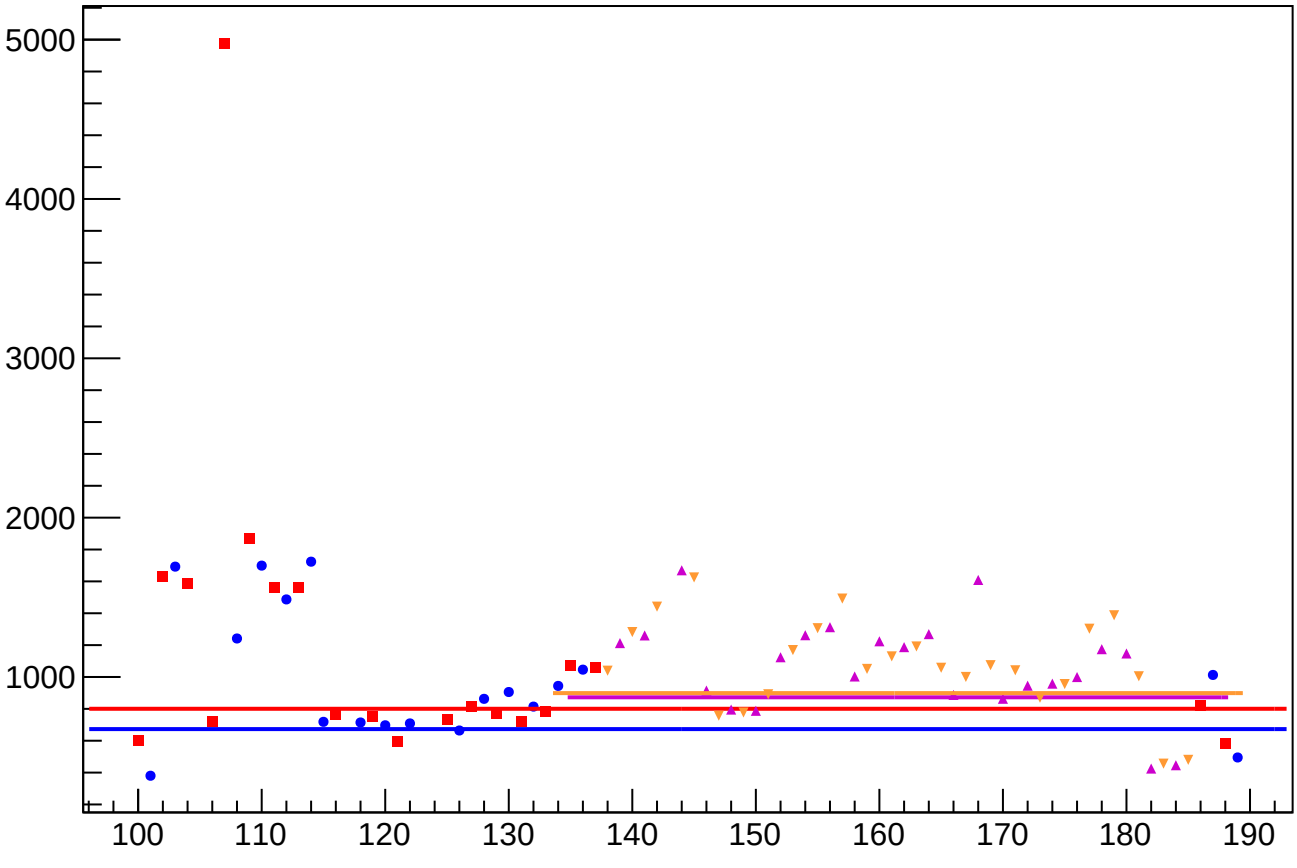
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

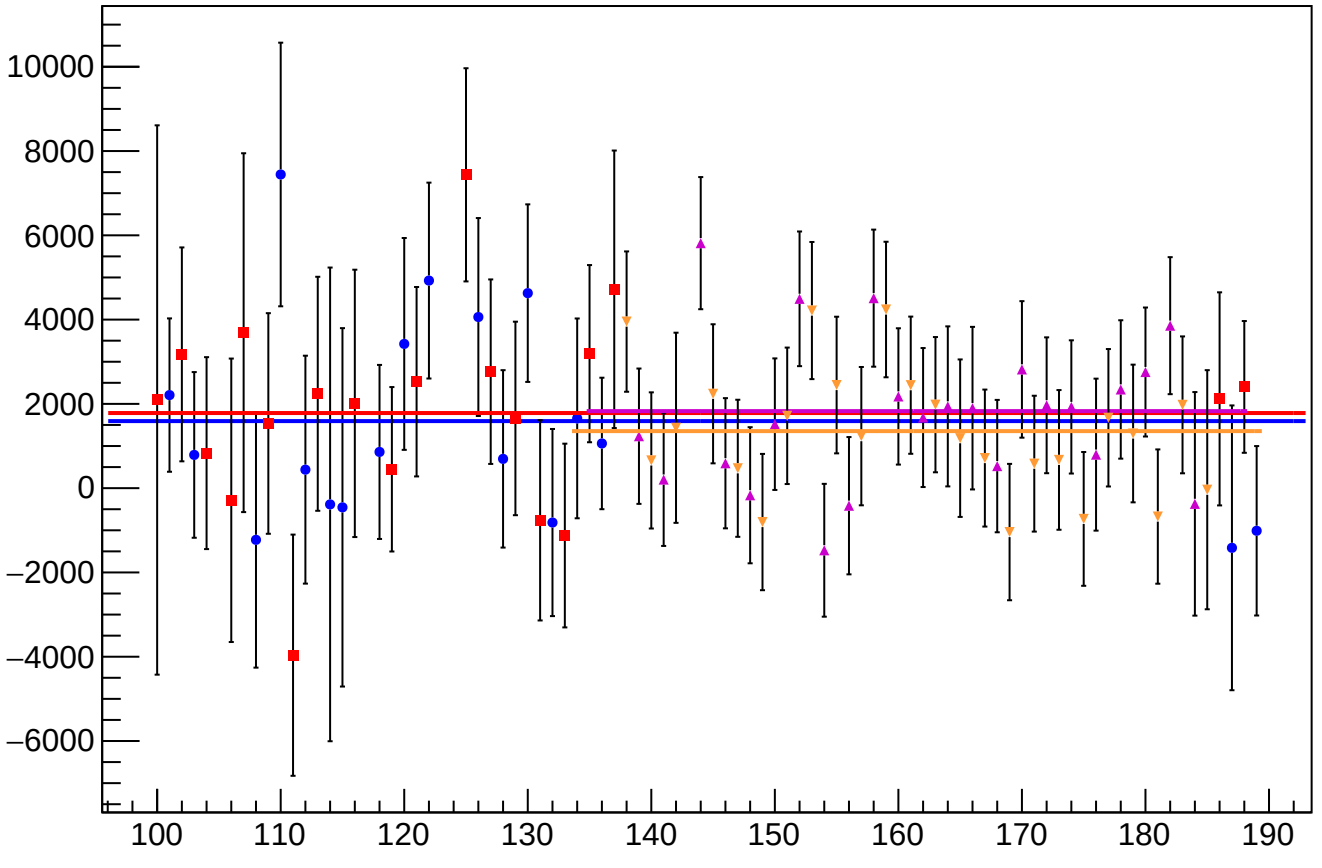
Right: -364.150+/-196.458 χ^2/NDF: 45.7/37

In: -213.668+/-168.217 χ^2/NDF:33.6/40

Out: -303.566+/-177.193 χ^2/NDF:58.0/43

All: -256.283+/-121.997 χ^2/NDF: 91.7/84


asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 672.973+/-0.186 χ²/NDF: 2621501.1/17
Left Out: 898.849+/-0.157 χ²/NDF:3791528.8/23
Right Out: 800.498+/-0.208 χ²/NDF: 2158148.8/19
Left In: 872.472+/-0.154 χ²/NDF:4435516.3/22
Left: 885.462+/-0.110 χ²/NDF: 8241401.5/46
Right: 729.675+/-0.139 χ²/NDF: 4987747.0/37
In: 791.241+/-0.119 χ²/NDF:7736032.9/40
Out: 863.275+/-0.125 χ²/NDF:6091932.4/43
All: 825.387+/-0.086 χ²/NDF: 14001813.6/84



Right In: 1591.398+/-547.824 χ^2/NDF: 15.0/17

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1782.906+/-550.559 χ^2/NDF: 15.3/19

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

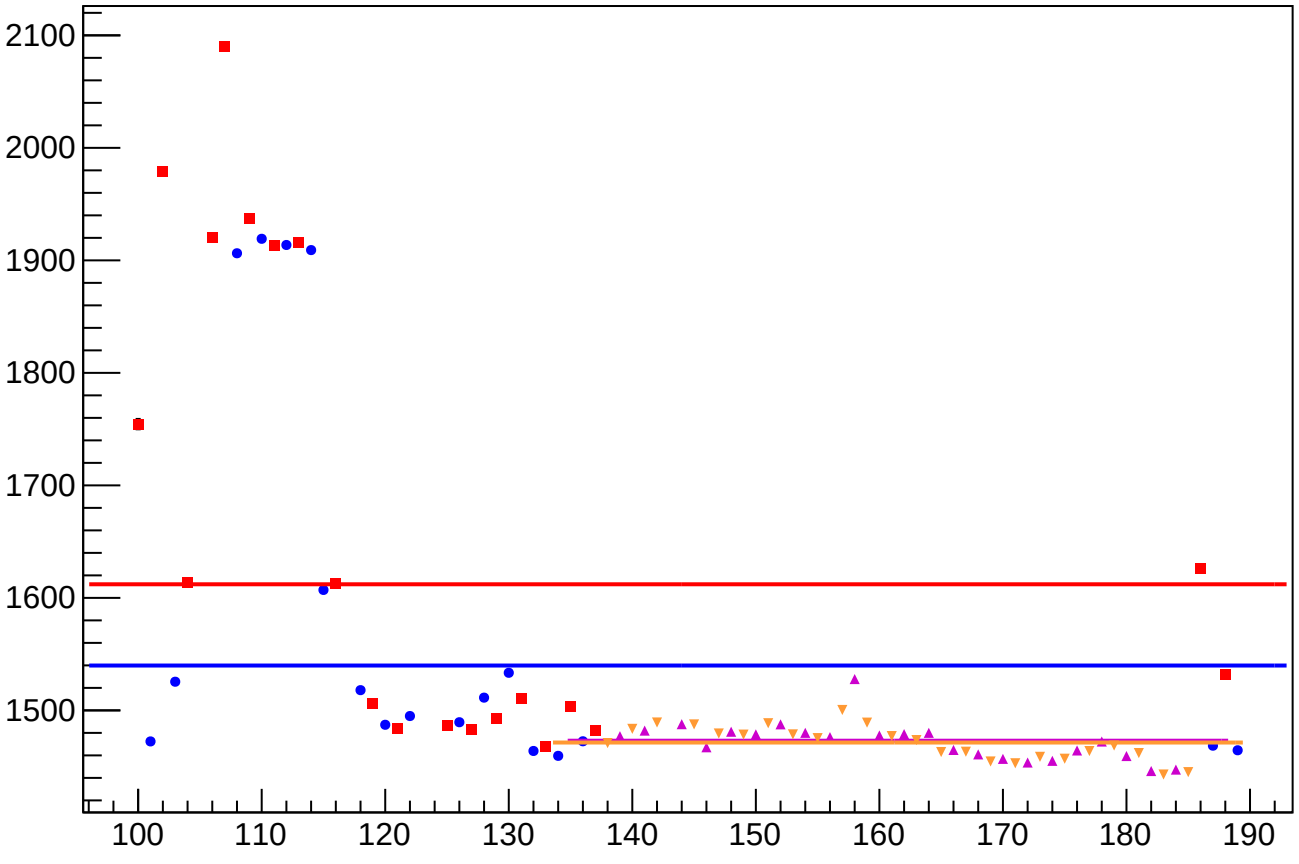
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1686.675+/-388.333 χ^2/NDF: 30.3/37

In: 1761.282+/-291.297 χ^2/NDF:41.0/40

Out: 1472.977+/-290.248 χ^2/NDF:34.6/43

All: 1616.610+/-205.606 χ^2/NDF: 76.1/84



Right In: 1539.874+/-0.387 χ^2/NDF: 124014.1/17

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1612.094+/-0.389 χ^2/NDF: 217595.5/19

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

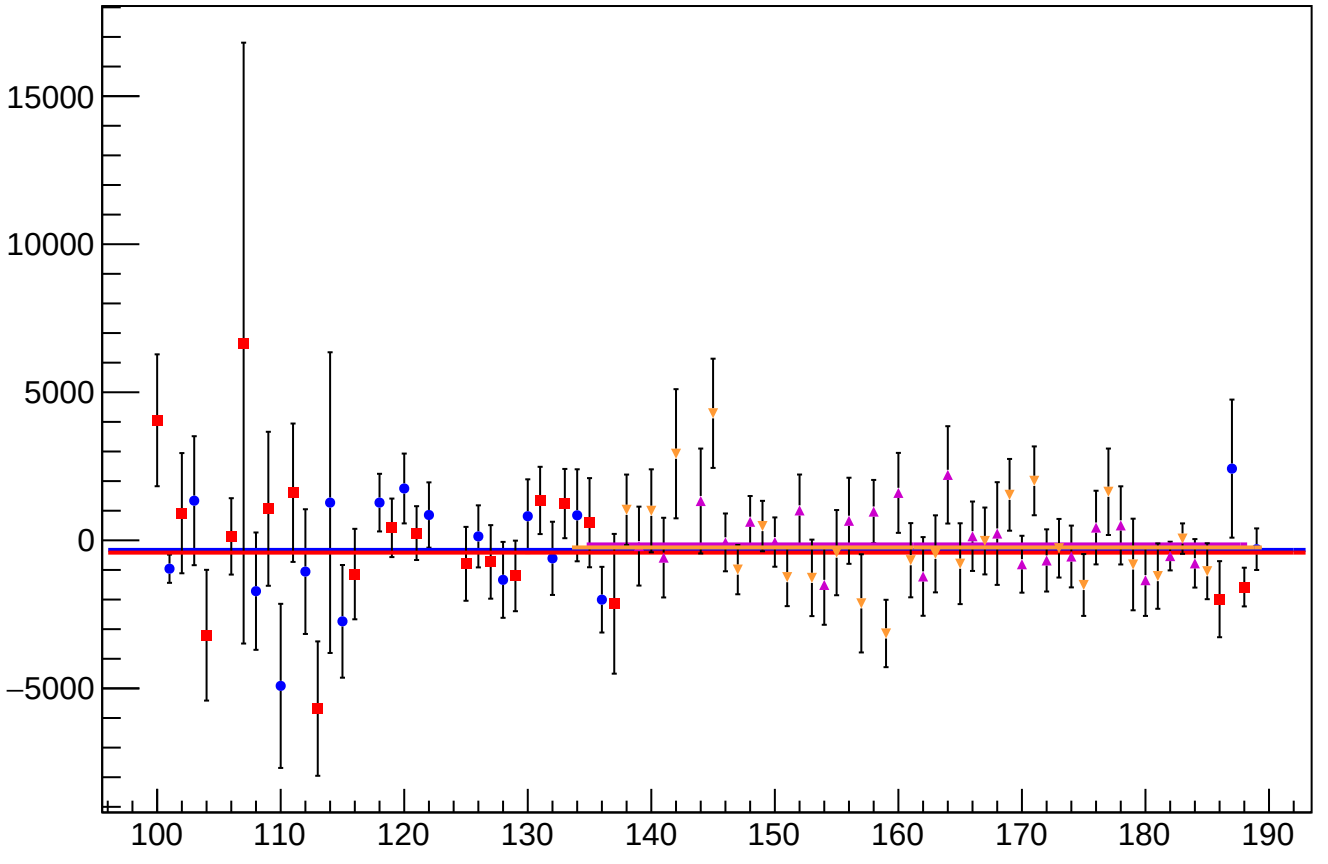
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1575.805+/-0.275 χ^2/NDF: 358902.6/37

In: 1491.943+/-0.206 χ^2/NDF:150111.0/40

Out: 1510.529+/-0.205 χ^2/NDF:315292.9/43

All: 1501.270+/-0.145 χ^2/NDF: 469489.8/84



Right In: -323.223+/-263.620 χ^2/NDF: 20.3/17

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -415.266+/-294.624 χ^2/NDF: 25.3/19

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

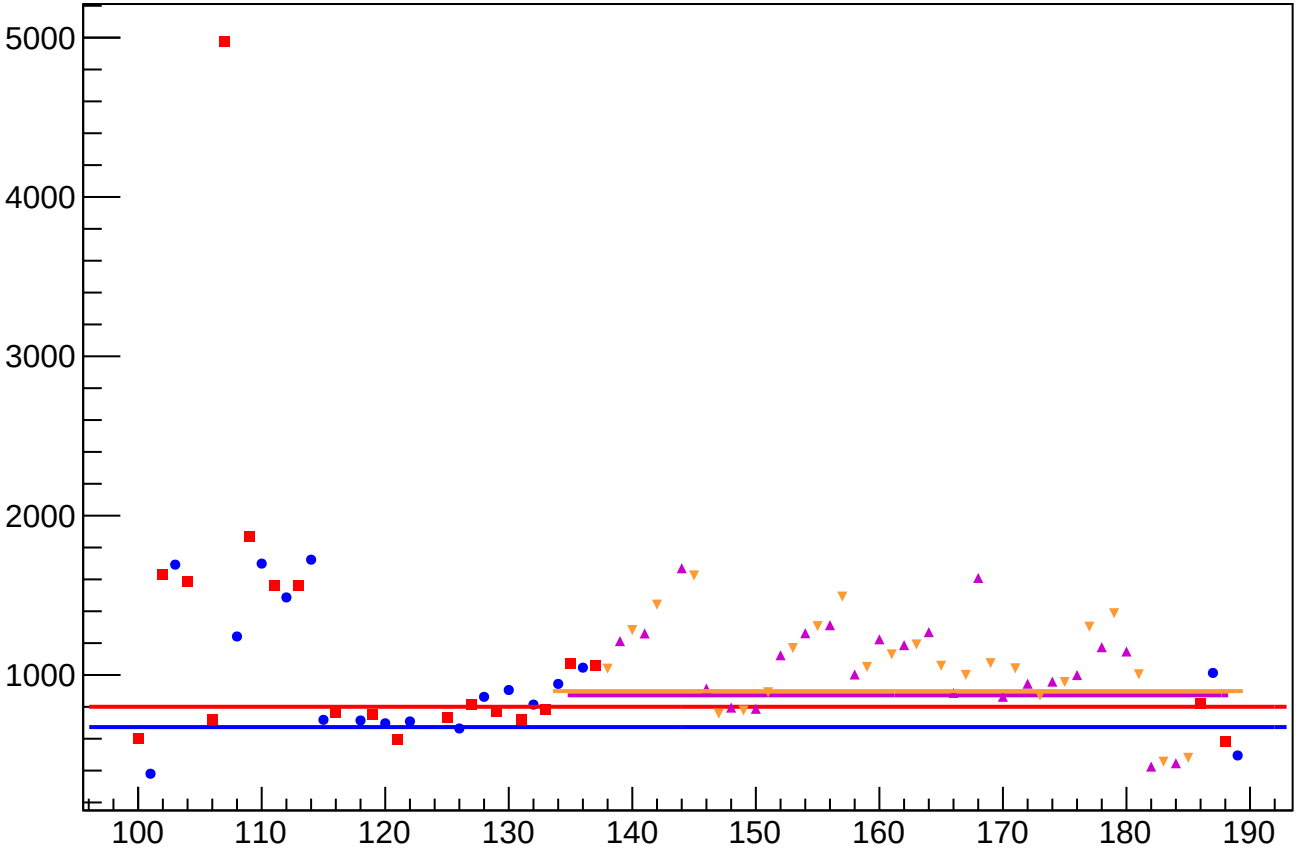
Right: -364.148+/-196.458 χ^2/NDF: 45.7/37

In: -213.668+/-168.217 χ^2/NDF:33.6/40

Out: -303.567+/-177.193 χ^2/NDF:58.0/43

All: -256.283+/-121.997 χ^2/NDF: 91.7/84

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 672.973+/-0.186 χ^2/NDF: 2621494.3/17

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 800.497+/-0.208 χ^2/NDF: 2158156.1/19

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

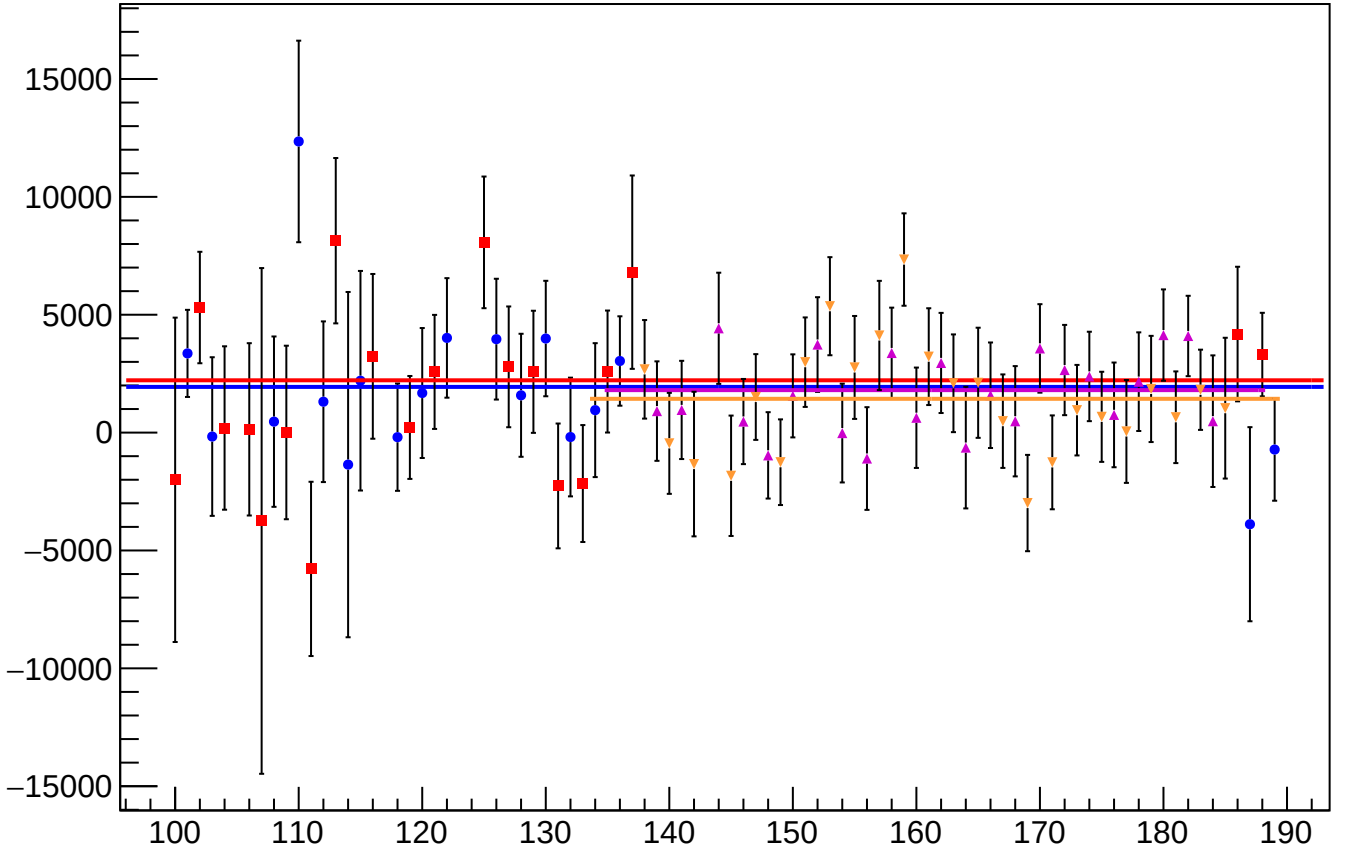
Right: 729.675+/-0.139 χ^2/NDF: 4987744.4/37

In: 791.241+/-0.119 χ^2/NDF:7736039.4/40

Out: 863.275+/-0.125 χ^2/NDF:6091954.0/43

All: 825.387+/-0.086 χ^2/NDF: 14001839.9/84

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1938.487+/-640.097 χ^2/NDF: 14.9/17

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2218.742+/-639.795 χ^2/NDF: 24.5/19

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

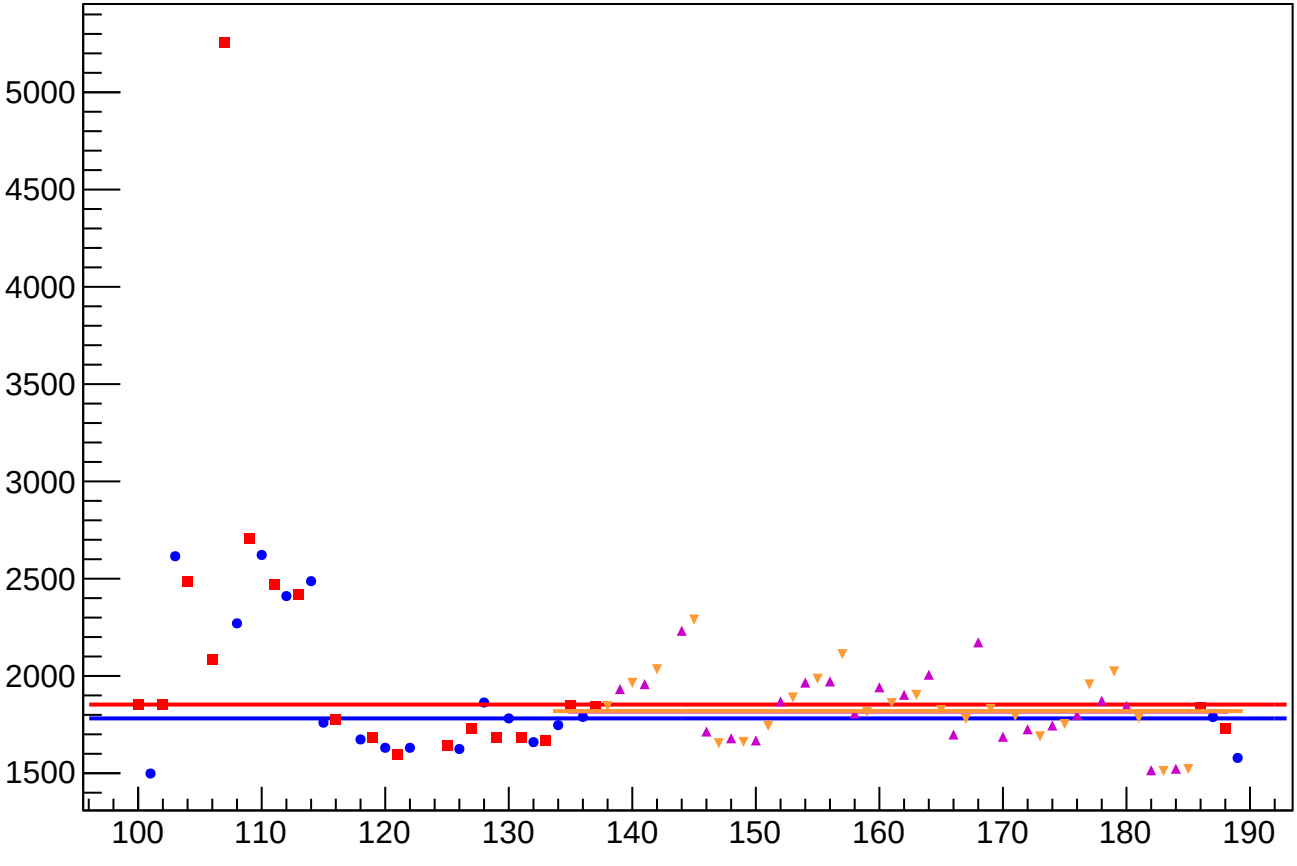
Right: 2078.680+/-452.510 χ^2/NDF: 39.5/37

In: 1843.645+/-354.919 χ^2/NDF:30.2/40

Out: 1673.363+/-353.702 χ^2/NDF:54.9/43

All: 1758.212+/-250.534 χ^2/NDF: 85.2/84

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1781.849+/-0.453 χ^2/NDF: 419900.6/17

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1853.065+/-0.452 χ^2/NDF: 581647.2/19

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

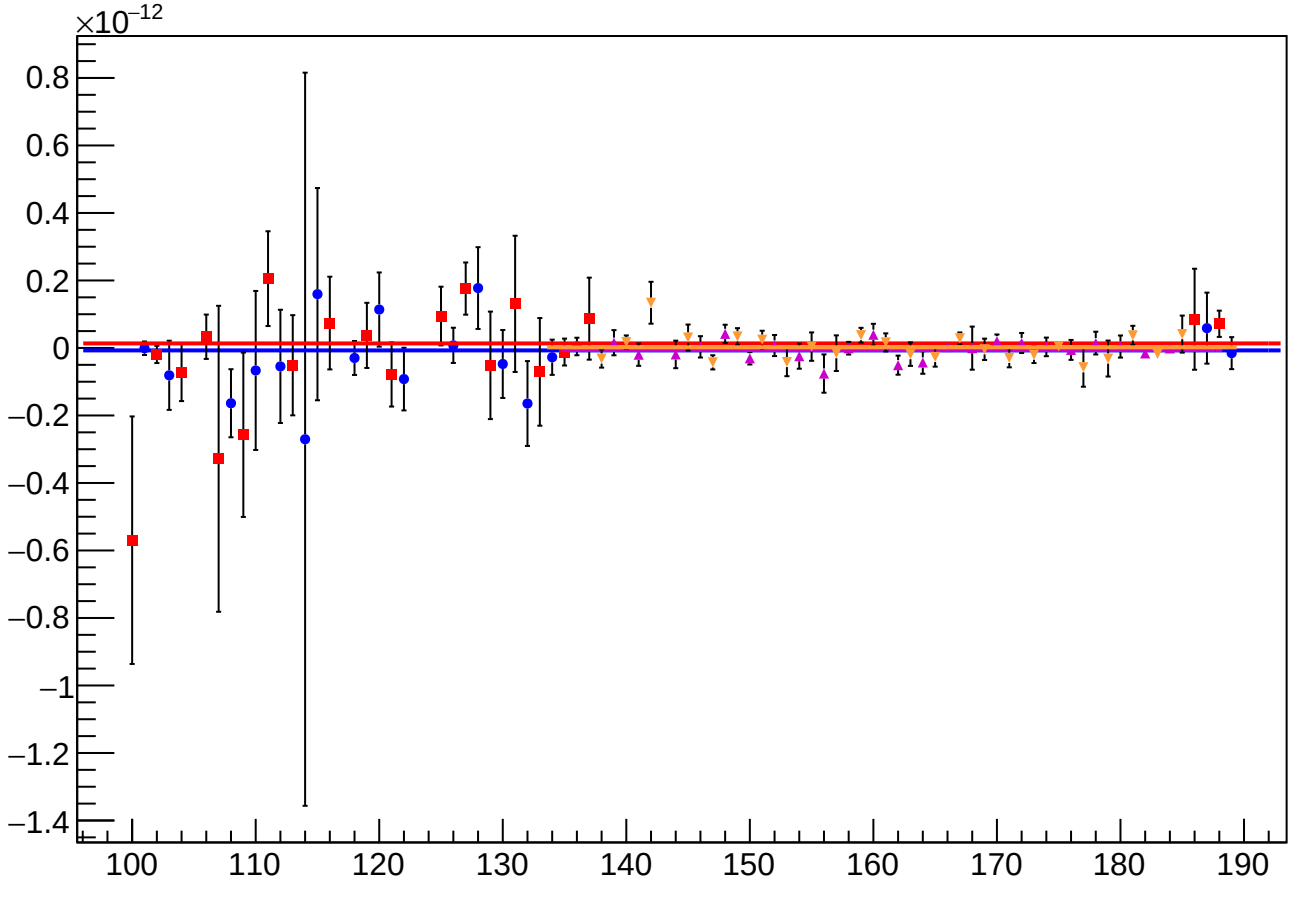
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

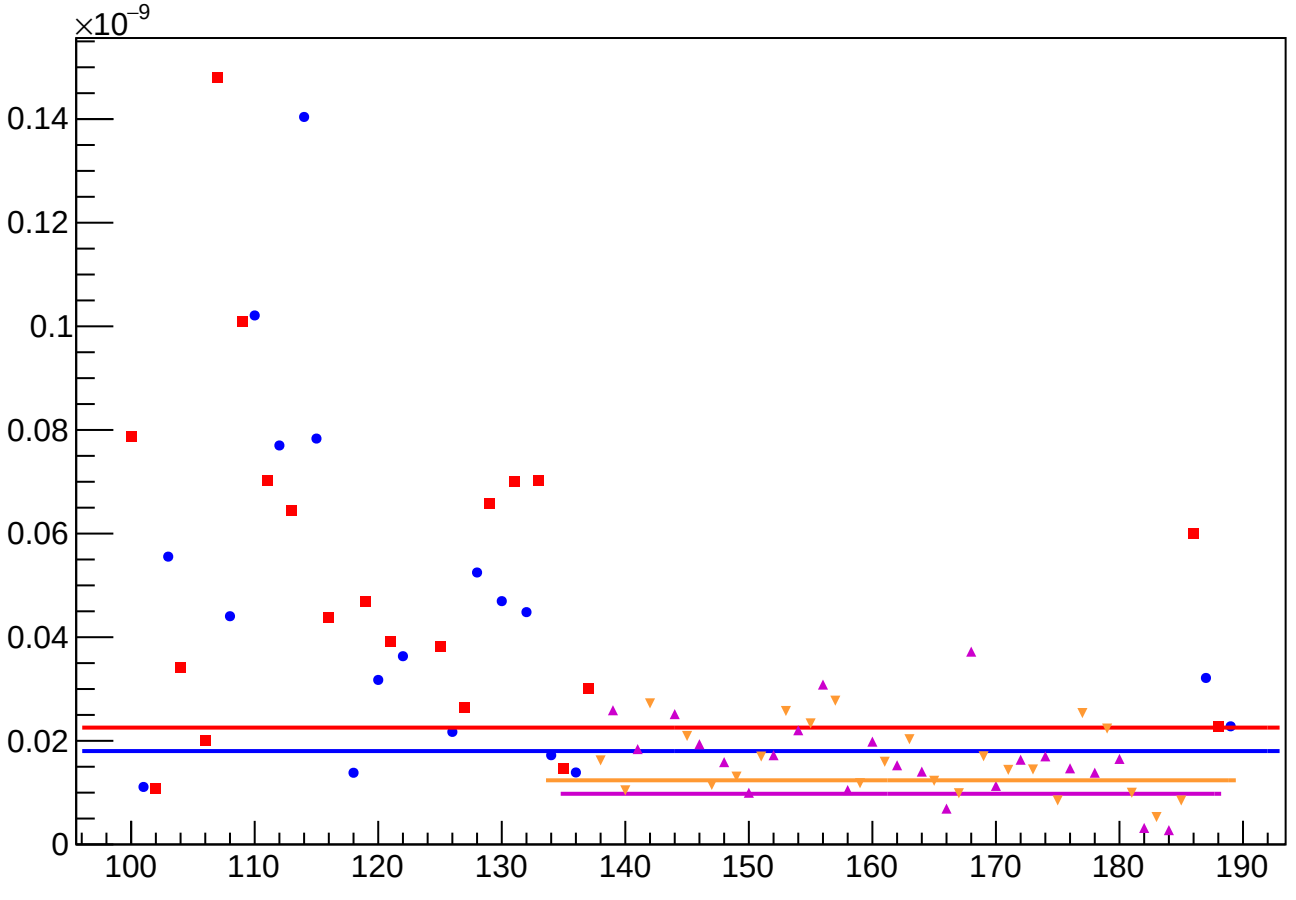
Right: 1817.474+/-0.320 χ^2/NDF: 1013931.9/37

In: 1806.291+/-0.251 χ^2/NDF:731214.5/40

Out: 1829.701+/-0.250 χ^2/NDF:880503.2/43

All: 1818.036+/-0.177 χ^2/NDF: 1616083.1/84


asym_usl_atl1_avg_reg_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
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.7/17
Left Out: 0.000+/-0.000 χ²/NDF:29.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.6/19
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 48.5/46
Right: 0.000+/-0.000 χ²/NDF: 31.4/37
In: -0.000+/-0.000 χ²/NDF:28.6/40
Out: 0.000+/-0.000 χ²/NDF:49.5/43
All: -0.000+/-0.000 χ²/NDF: 80.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 1900342.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2226063.1/19

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

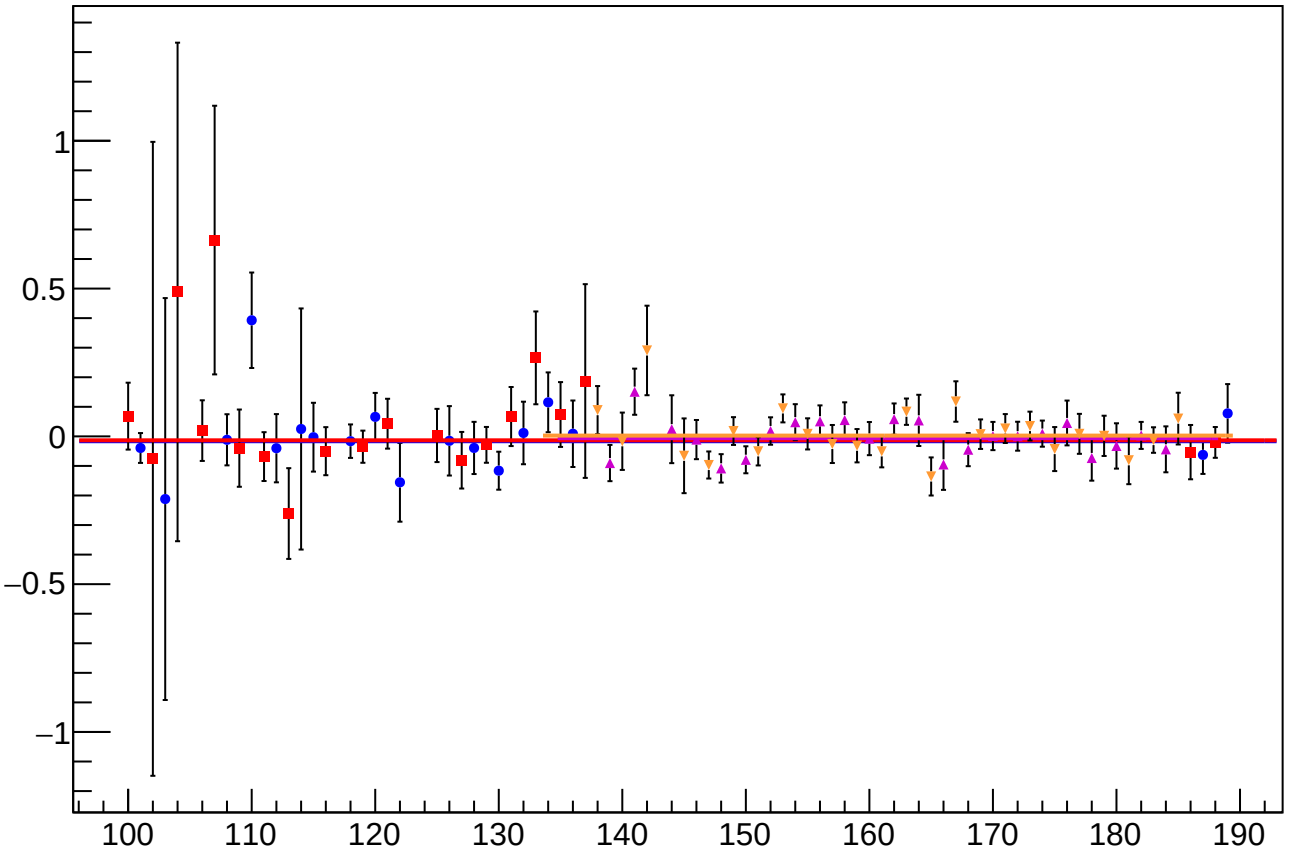
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4228597.9/37

In: 0.000+/-0.000 χ^2/NDF:7157871.5/40

Out: 0.000+/-0.000 χ^2/NDF:4886034.4/43

All: 0.000+/-0.000 χ^2/NDF: 12365839.3/84



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

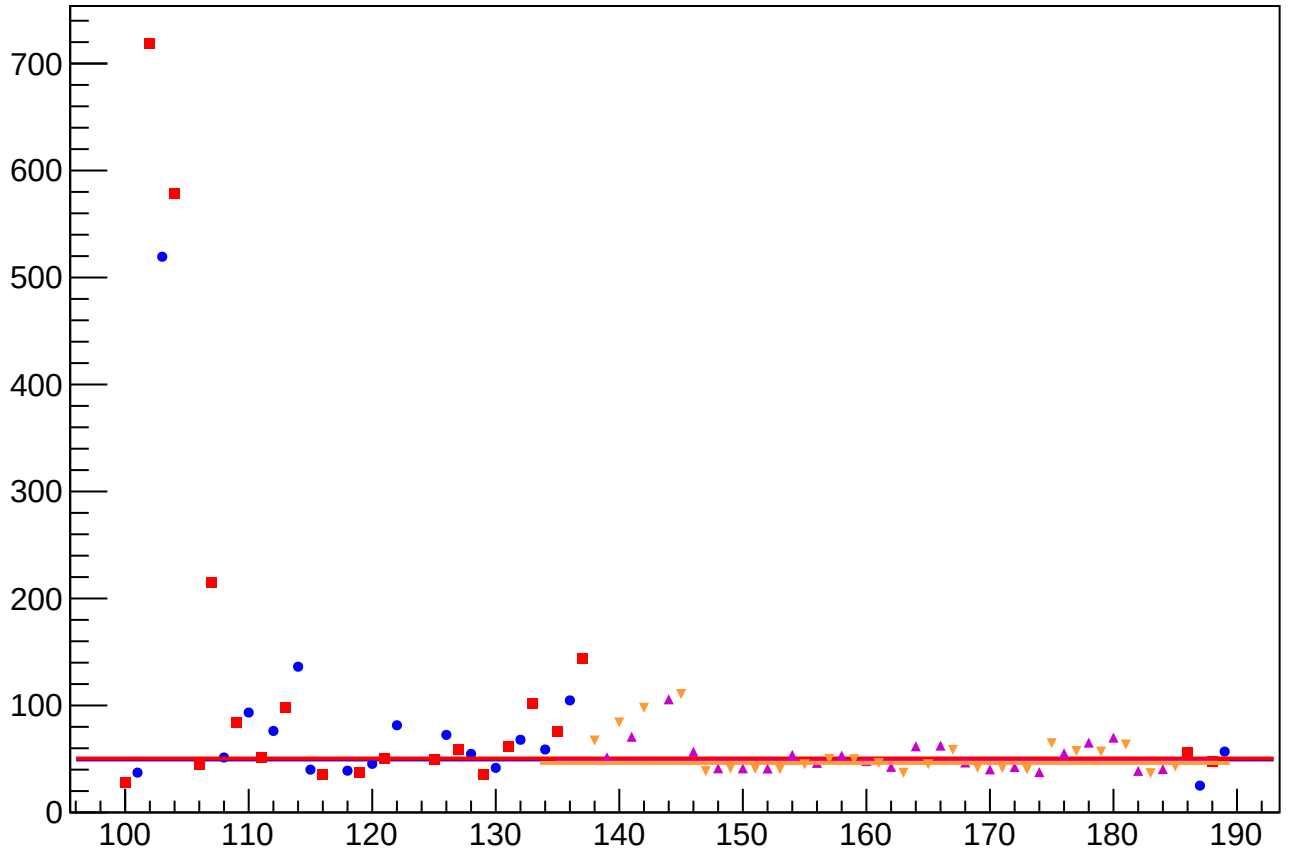
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.015+/-0.015 χ^2/NDF: 27.3/37

In: -0.009+/-0.010 χ^2/NDF:36.4/40

Out: -0.001+/-0.010 χ^2/NDF:43.0/43

All: -0.005+/-0.007 χ^2/NDF: 79.7/84



Right In: 49.543+/-0.015 χ^2/NDF: 2594664.4/17

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062721.9/19

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

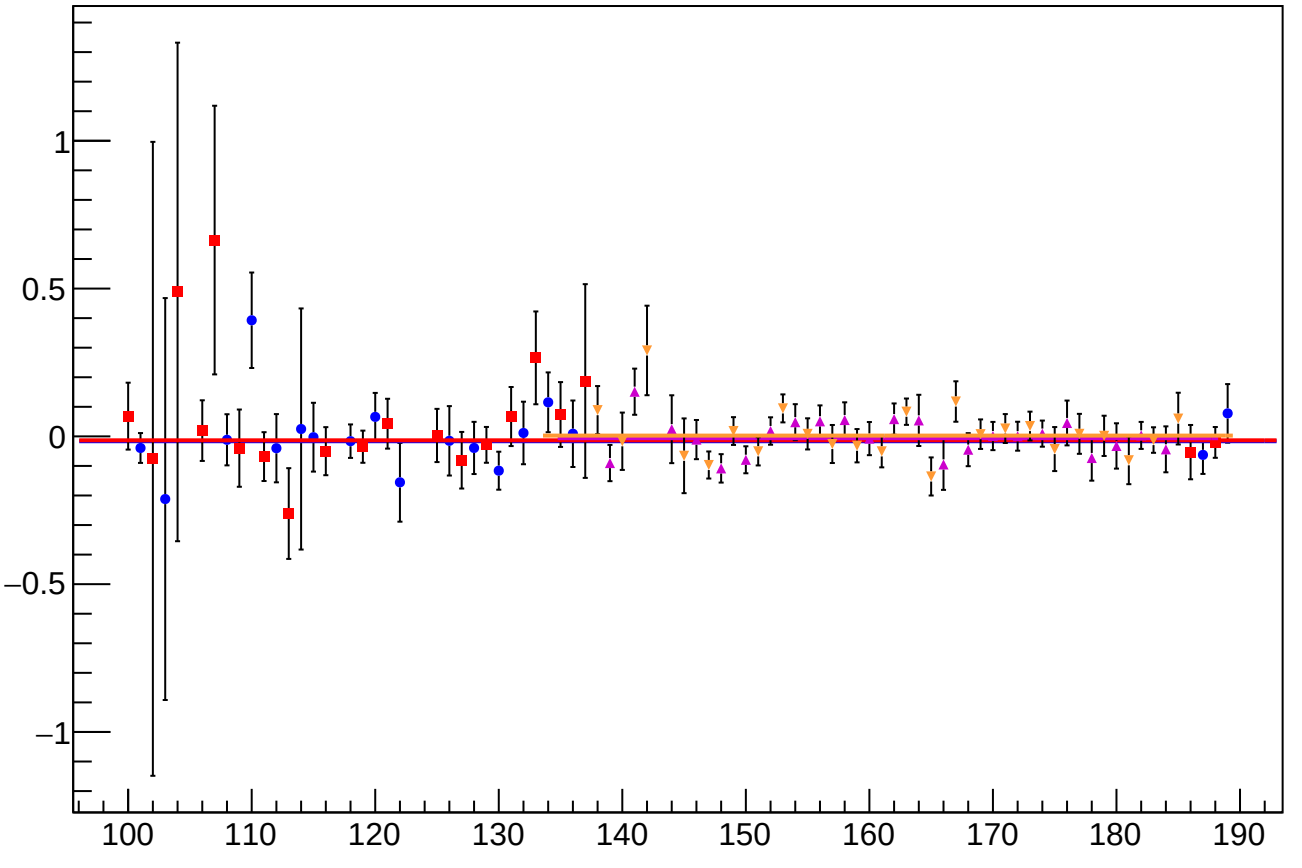
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.982+/-0.010 χ^2/NDF: 5659154.9/37

In: 48.072+/-0.007 χ^2/NDF:4184148.2/40

Out: 47.347+/-0.007 χ^2/NDF:5087617.1/43

All: 47.704+/-0.005 χ^2/NDF: 9276609.6/84



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

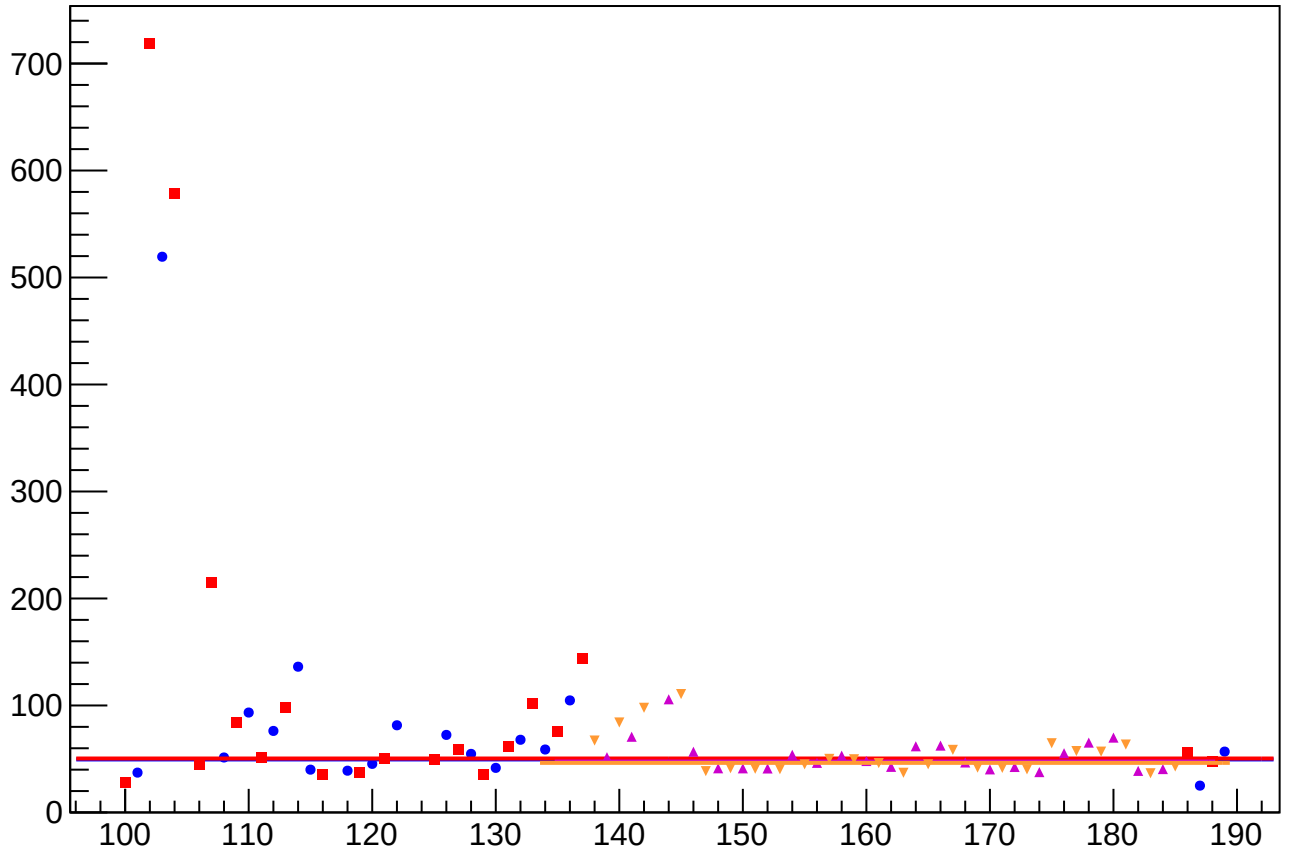
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.015+/-0.015 χ^2/NDF: 27.3/37

In: -0.009+/-0.010 χ^2/NDF:36.4/40

Out: -0.001+/-0.010 χ^2/NDF:43.0/43

All: -0.005+/-0.007 χ^2/NDF: 79.7/84



Right In: 49.543+/-0.015 χ^2/NDF: 2594664.4/17

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062721.9/19

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

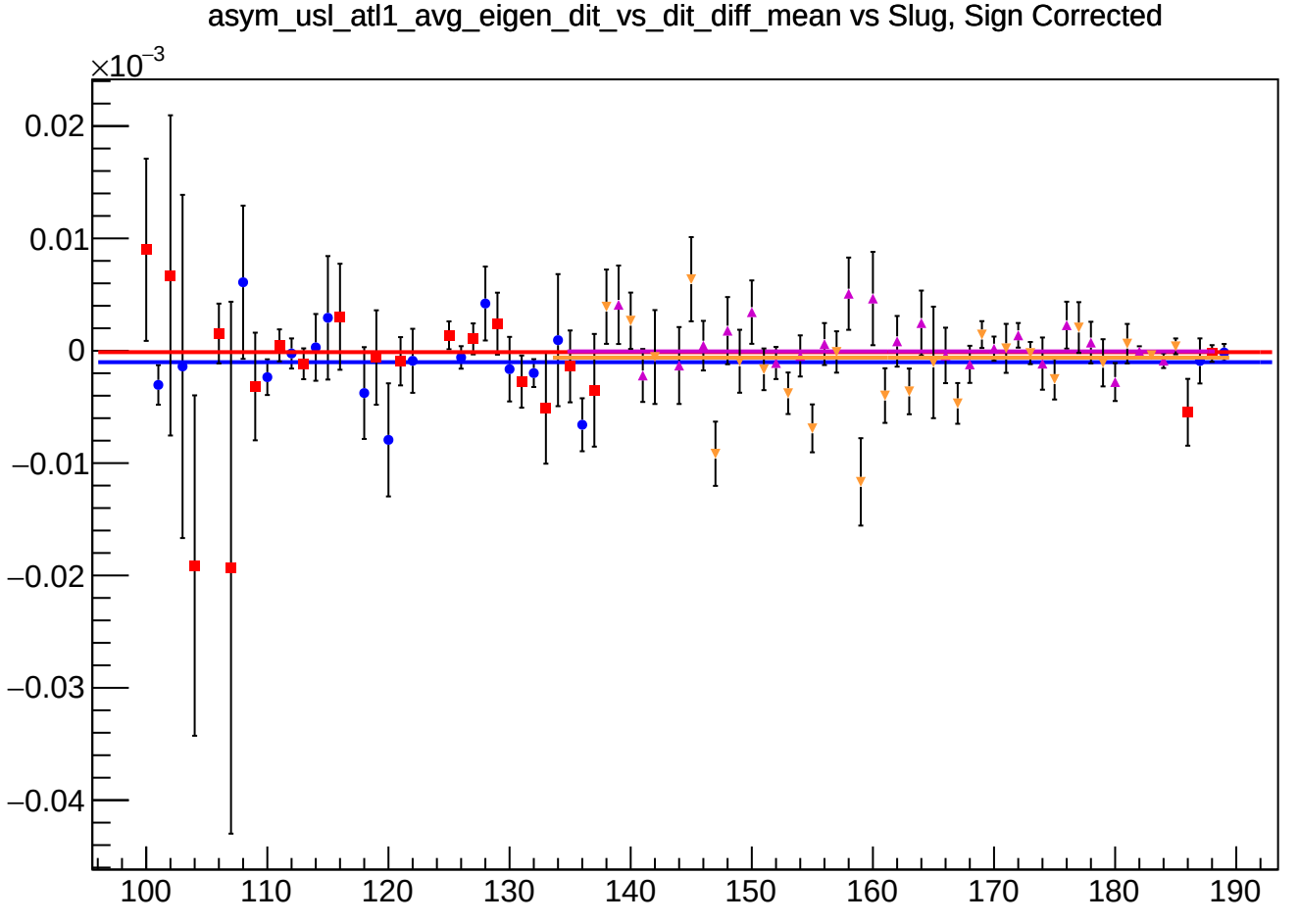
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.982+/-0.010 χ^2/NDF: 5659154.9/37

In: 48.072+/-0.007 χ^2/NDF:4184148.2/40

Out: 47.347+/-0.007 χ^2/NDF:5087617.1/43

All: 47.704+/-0.005 χ^2/NDF: 9276609.6/84



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/19

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

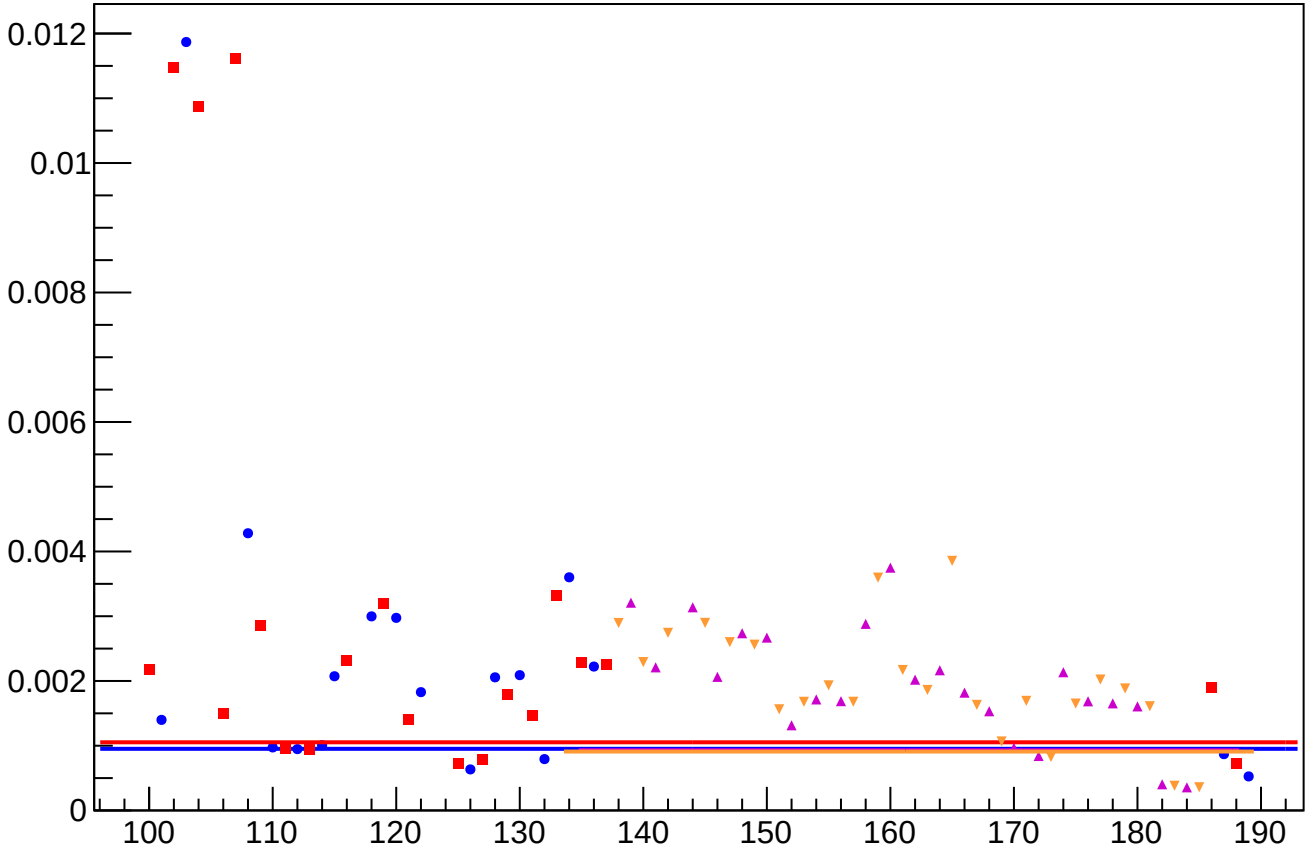
Right: -0.000+/-0.000 χ^2/NDF: 34.0/37

In: -0.000+/-0.000 χ^2/NDF:38.3/40

Out: -0.000+/-0.000 χ^2/NDF:69.9/43

All: -0.000+/-0.000 χ^2/NDF: 108.3/84

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5107853.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5224944.7/19

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

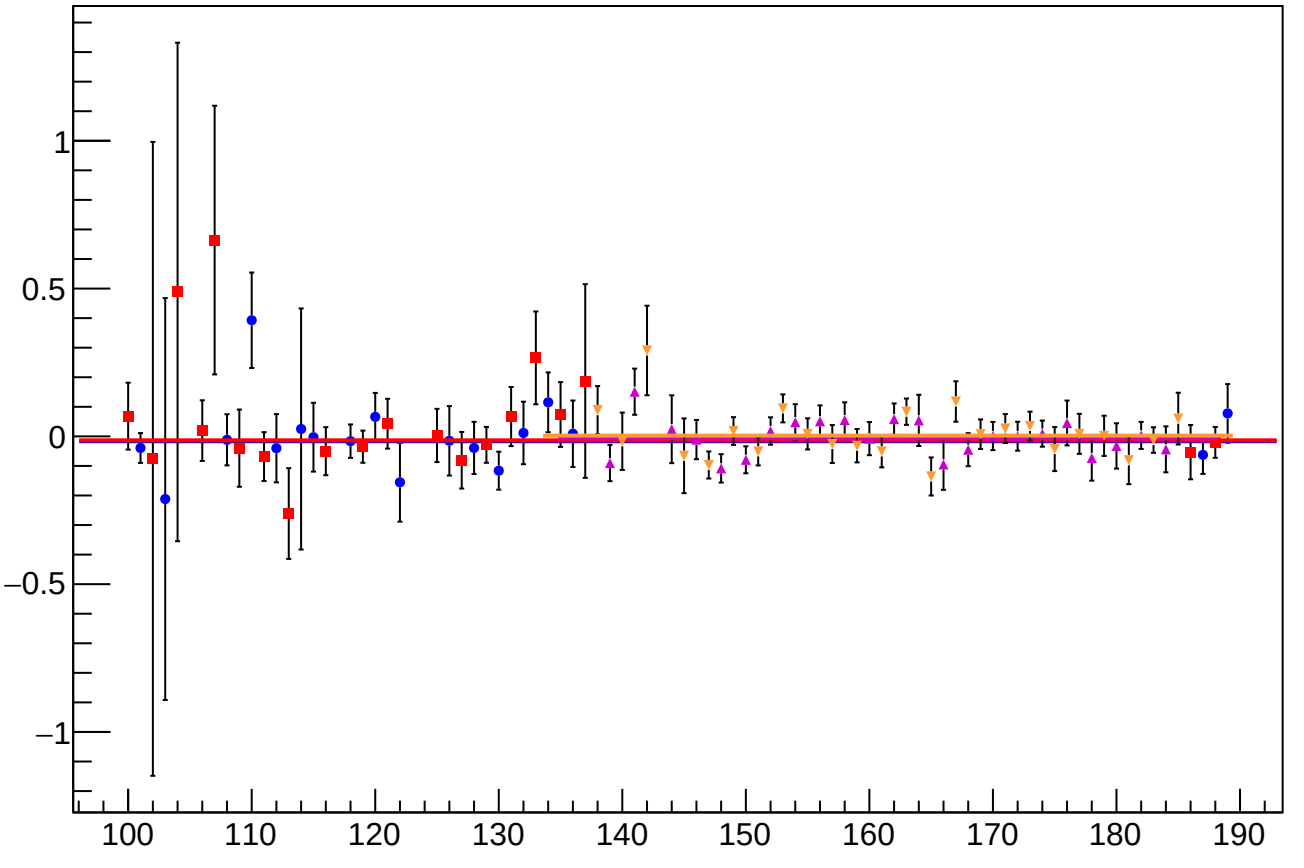
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 10387753.1/37

In: 0.001+/-0.000 χ^2/NDF:18802405.4/40

Out: 0.001+/-0.000 χ^2/NDF:19512214.8/43

All: 0.001+/-0.000 χ^2/NDF: 38317898.6/84



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

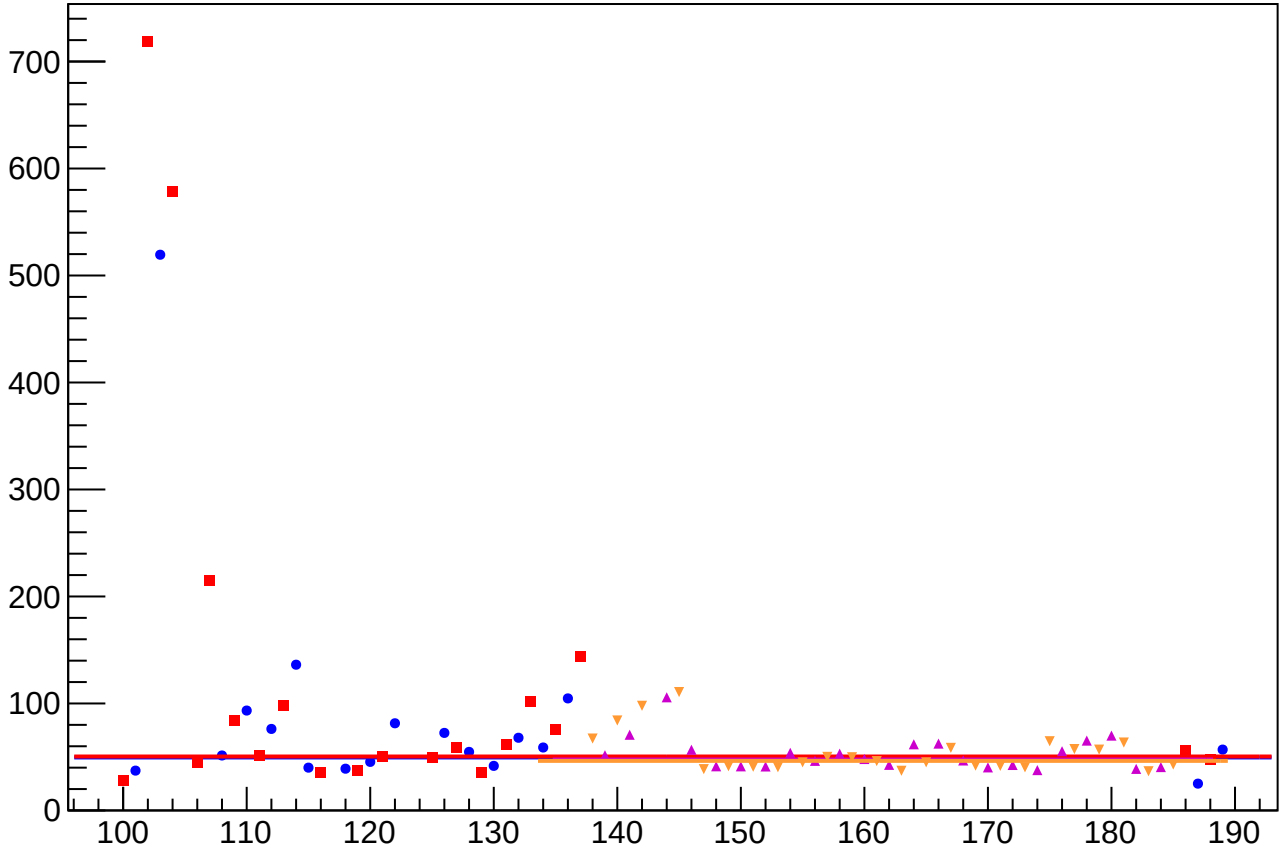
Right: -0.015+/-0.015 χ^2/NDF: 27.3/37

In: -0.009+/-0.010 χ^2/NDF:36.4/40

Out: -0.001+/-0.010 χ^2/NDF:43.0/43

All: -0.005+/-0.007 χ^2/NDF: 79.7/84

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.543+/-0.015 χ^2/NDF: 2594650.3/17

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062705.1/19

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

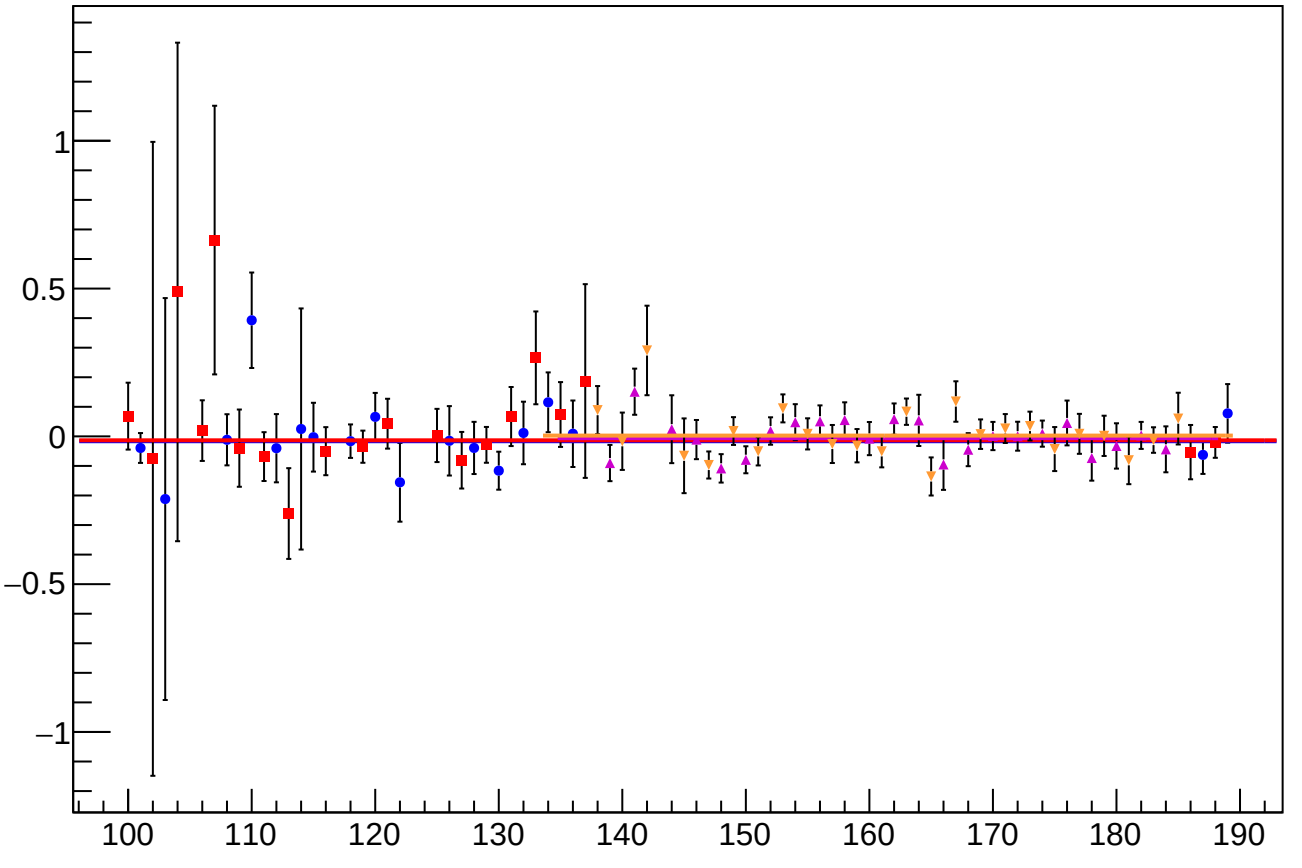
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.982+/-0.010 χ^2/NDF: 5659123.5/37

In: 48.072+/-0.007 χ^2/NDF:4184140.6/40

Out: 47.347+/-0.007 χ^2/NDF:5087578.6/43

All: 47.704+/-0.005 χ^2/NDF: 9276562.9/84



Right In: -0.016+/-0.021 χ^2/NDF: 14.6/17

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

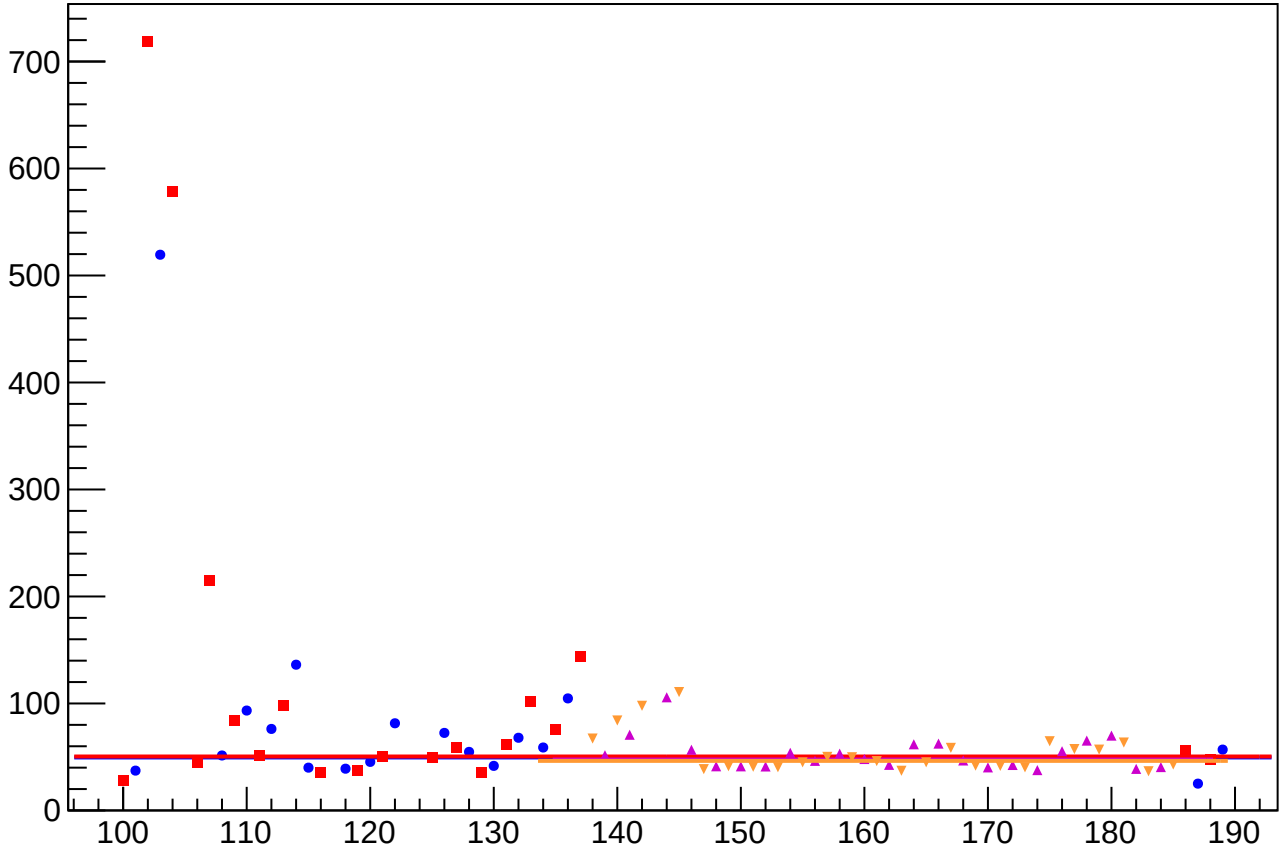
Right: -0.015+/-0.015 χ^2/NDF: 27.3/37

In: -0.009+/-0.010 χ^2/NDF:36.4/40

Out: -0.001+/-0.010 χ^2/NDF:43.0/43

All: -0.005+/-0.007 χ^2/NDF: 79.7/84

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.543+/-0.015 χ^2/NDF: 2594650.3/17

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062705.1/19

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

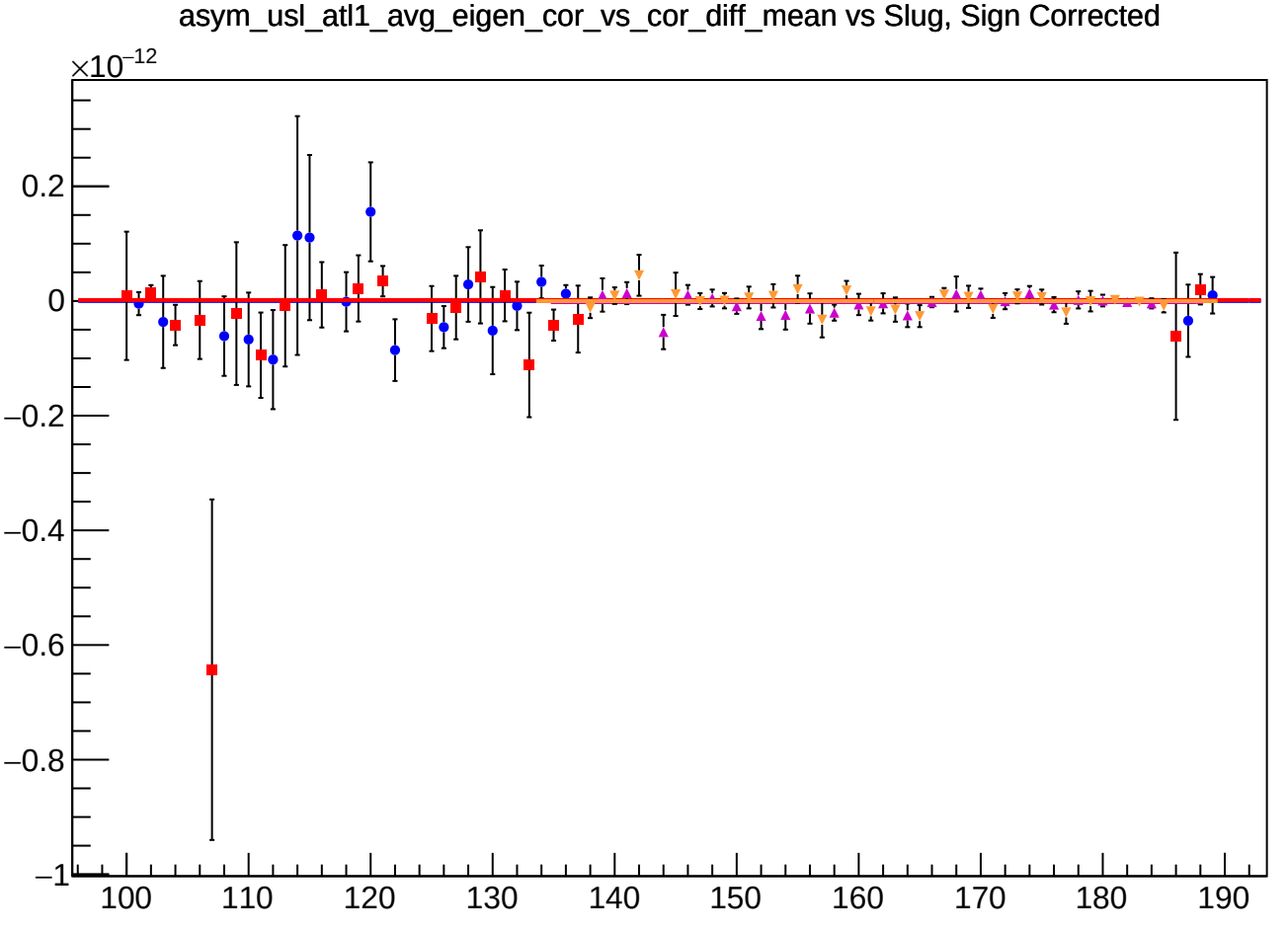
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.982+/-0.010 χ^2/NDF: 5659123.5/37

In: 48.072+/-0.007 χ^2/NDF:4184140.6/40

Out: 47.347+/-0.007 χ^2/NDF:5087578.6/43

All: 47.704+/-0.005 χ^2/NDF: 9276562.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/19

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

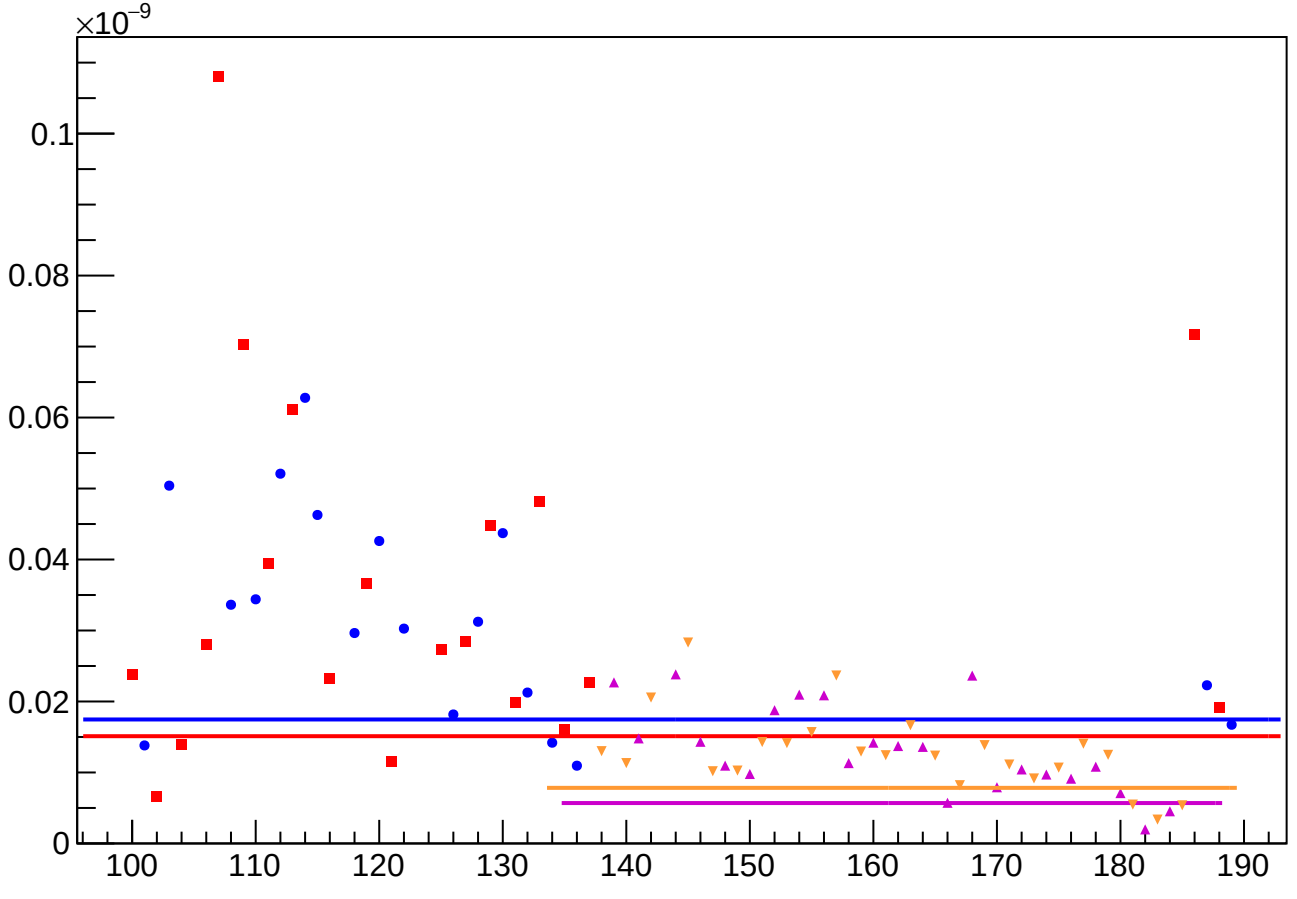
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 31.2/37

In: -0.000+/-0.000 χ^2/NDF:27.9/40

Out: 0.000+/-0.000 χ^2/NDF:30.7/43

All: -0.000+/-0.000 χ^2/NDF: 58.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 2237354.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3619065.0/19

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

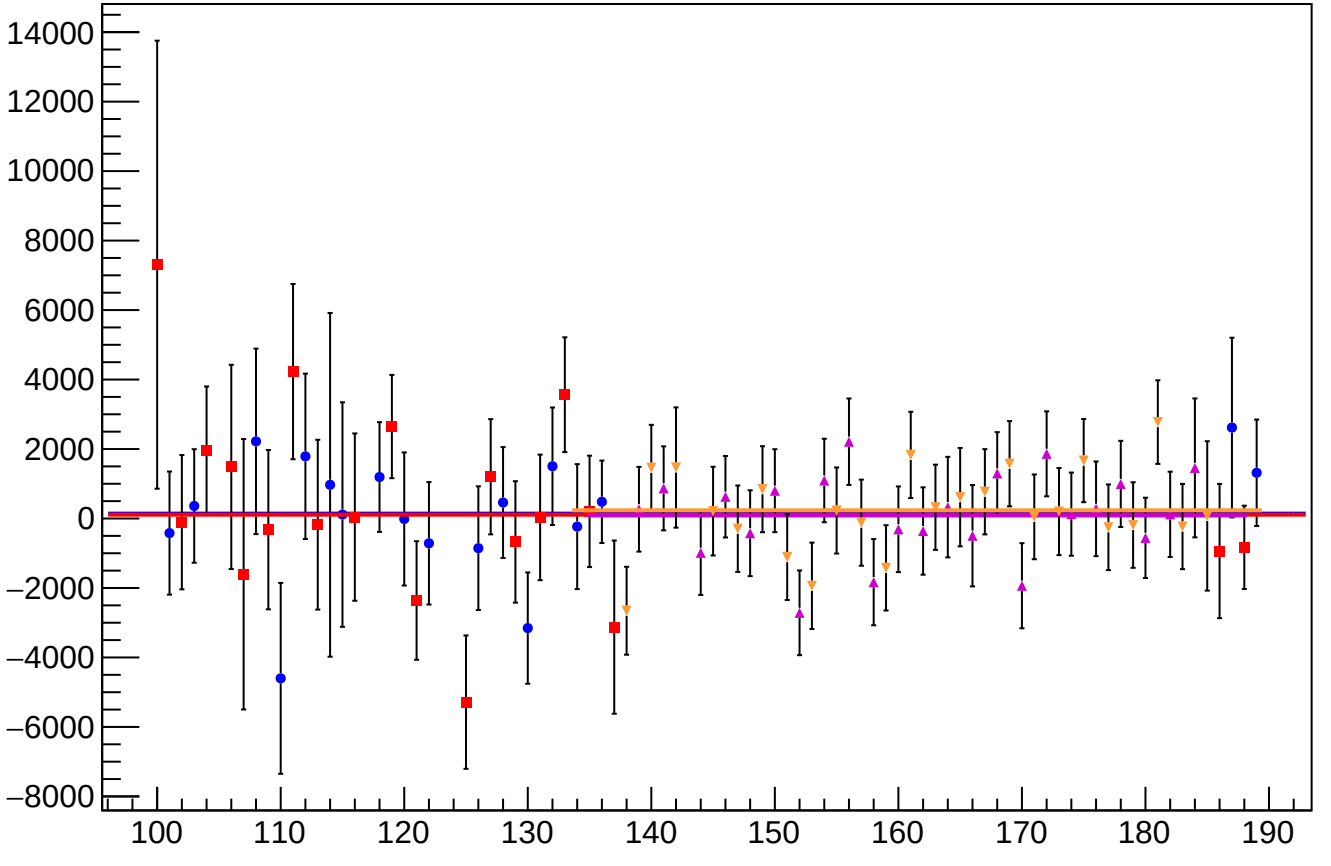
Right: 0.000+/-0.000 χ^2/NDF: 5929808.4/37

In: 0.000+/-0.000 χ^2/NDF:16734923.3/40

Out: 0.000+/-0.000 χ^2/NDF:11396129.9/43

All: 0.000+/-0.000 χ^2/NDF: 29003517.0/84

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 140.043+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 110.486+/-430.481 χ^2/NDF: 25.9/19

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

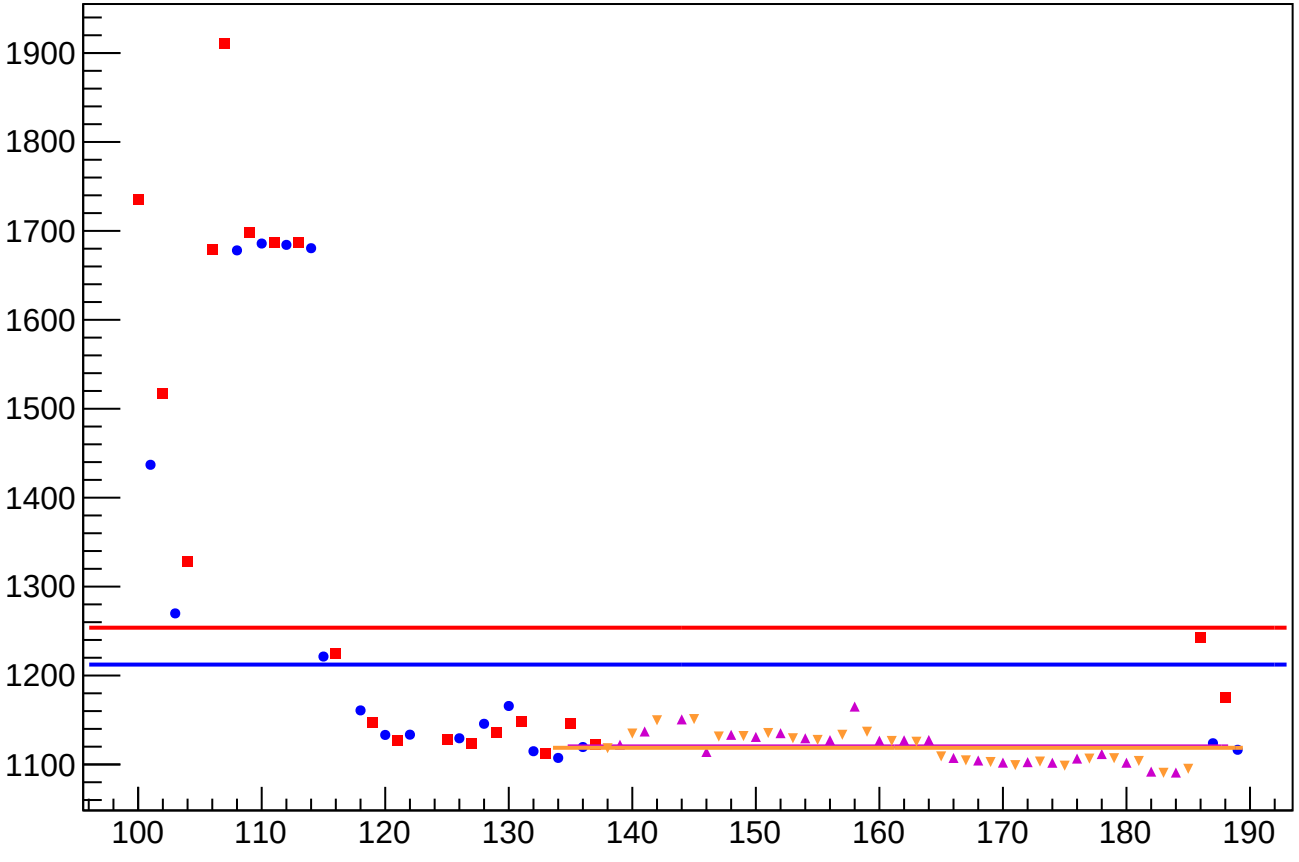
Right: 125.155+/-305.516 χ^2/NDF: 37.7/37

In: 102.164+/-224.002 χ^2/NDF:32.7/40

Out: 202.955+/-222.349 χ^2/NDF:48.7/43

All: 152.933+/-157.806 χ^2/NDF: 81.4/84

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1253.789+/-0.304 χ^2/NDF: 443012.8/19

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

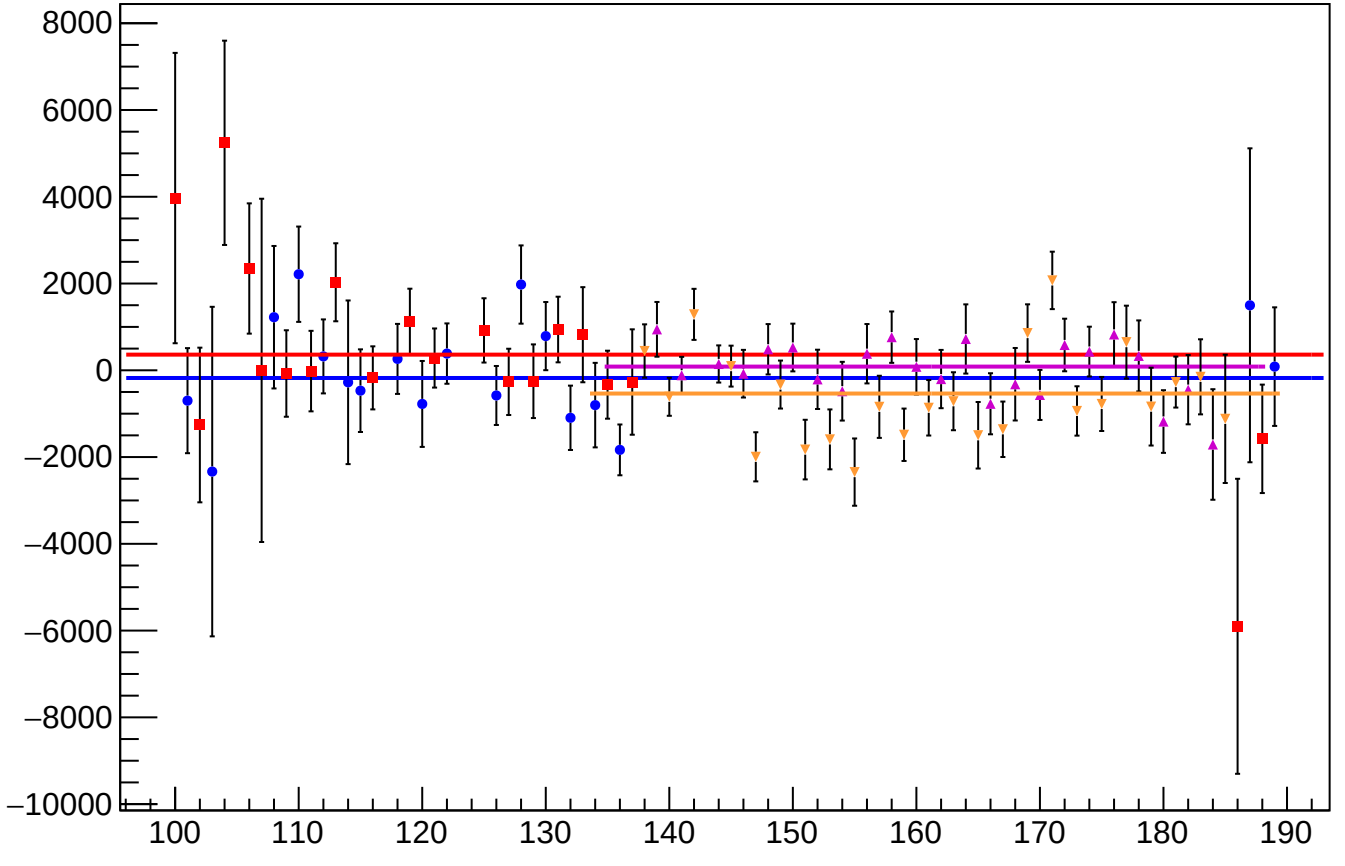
Right: 1233.203+/-0.216 χ^2/NDF: 758584.3/37

In: 1144.855+/-0.158 χ^2/NDF:381836.0/40

Out: 1154.764+/-0.157 χ^2/NDF:595555.0/43

All: 1149.846+/-0.112 χ^2/NDF: 979362.3/84

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -177.316+/-219.559 χ^2/NDF: 25.5/17

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 360.960+/-219.269 χ^2/NDF: 22.8/19

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

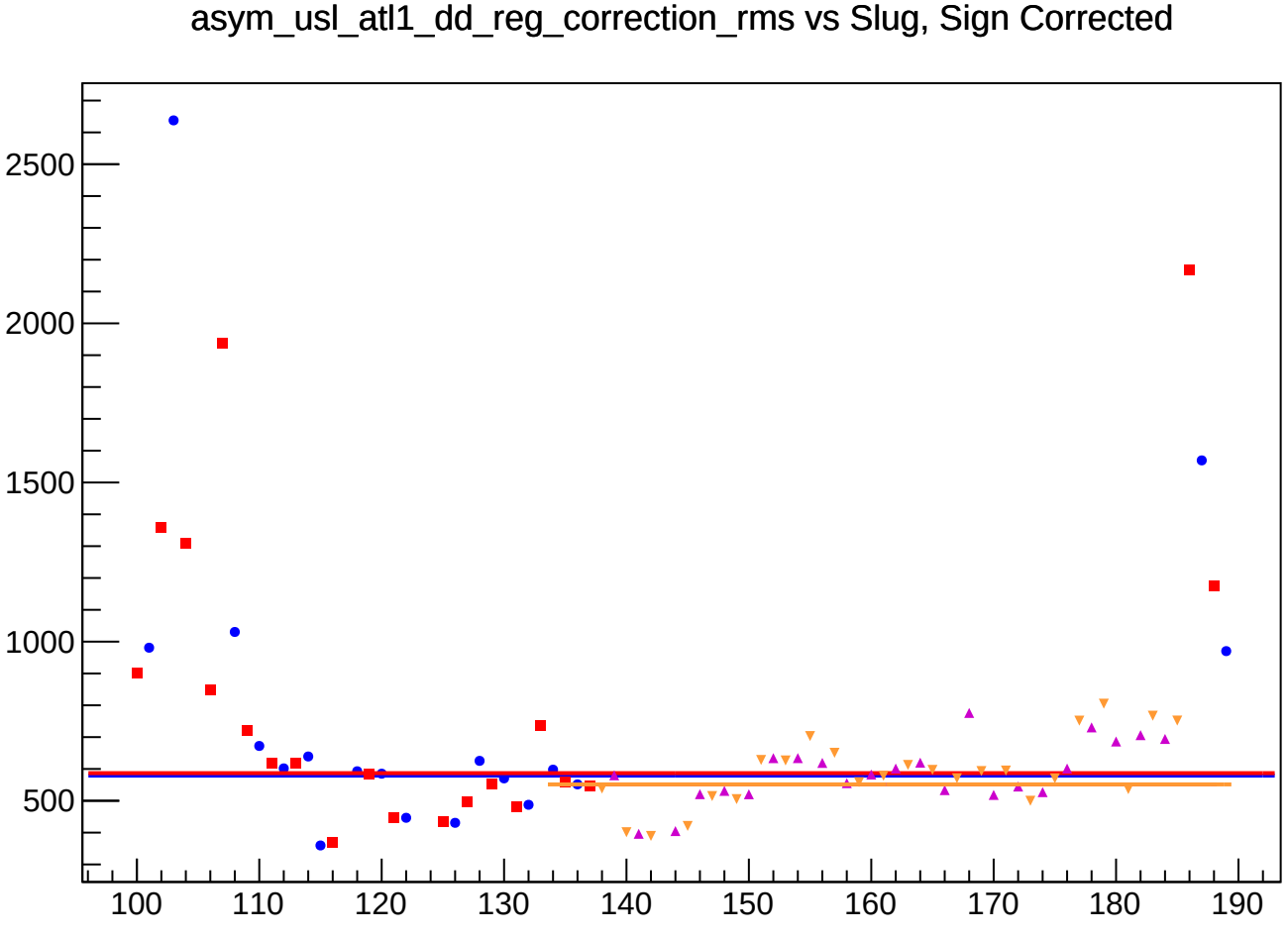
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 92.177+/-155.149 χ^2/NDF: 51.3/37

In: 16.347+/-112.476 χ^2/NDF:43.7/40

Out: -300.925+/-112.234 χ^2/NDF:96.7/43

All: -142.630+/-79.447 χ^2/NDF: 144.4/84



Right In: 579.116+/-0.155 χ^2/NDF: 1606156.9/17

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 586.817+/-0.155 χ^2/NDF: 2254250.1/19

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

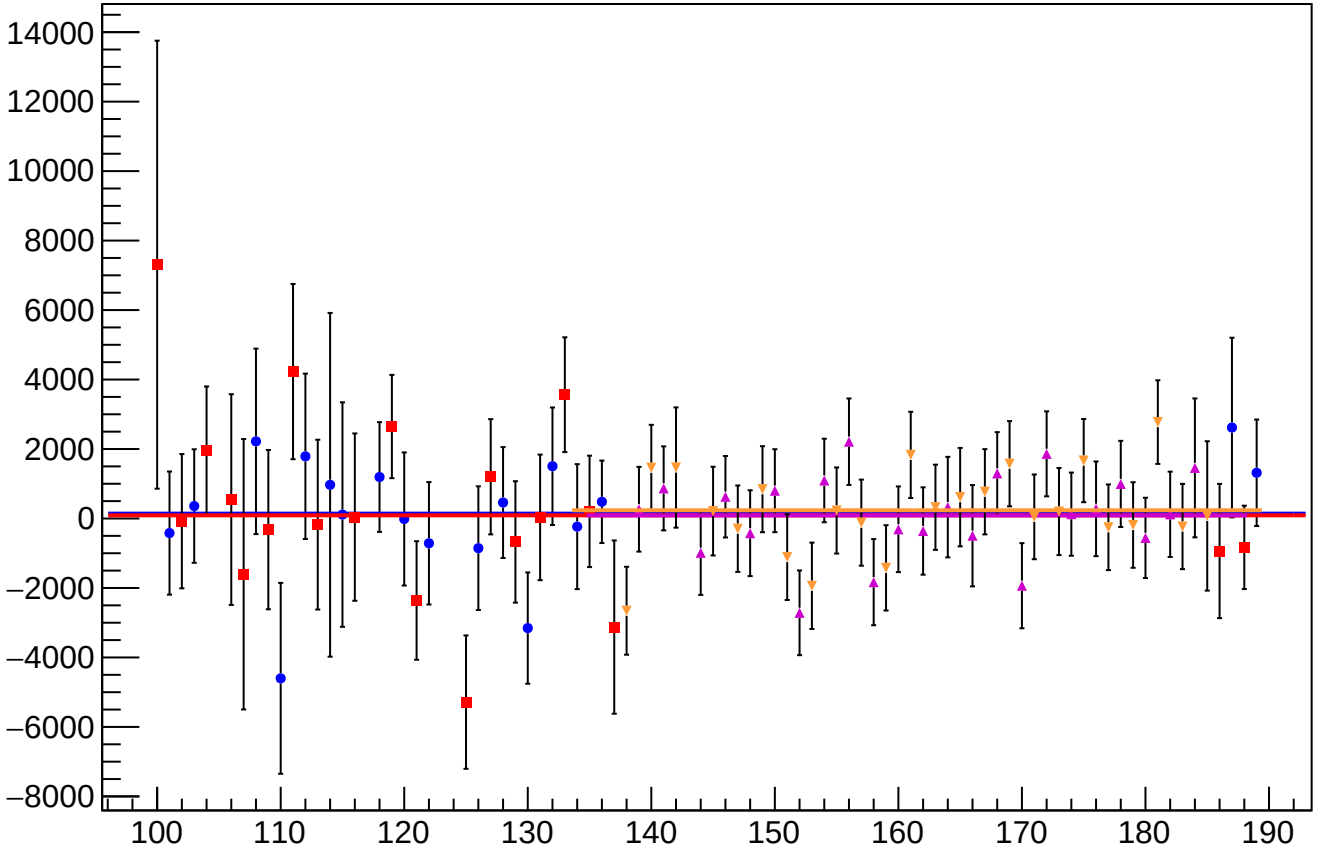
Right: 582.971+/-0.110 χ^2/NDF: 3861638.9/37

In: 558.626+/-0.080 χ^2/NDF:2691535.7/40

Out: 560.709+/-0.079 χ^2/NDF:3519287.7/43

All: 559.670+/-0.056 χ^2/NDF: 6211166.8/84

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 139.830+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 91.260+/-430.761 χ^2/NDF: 25.7/19

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

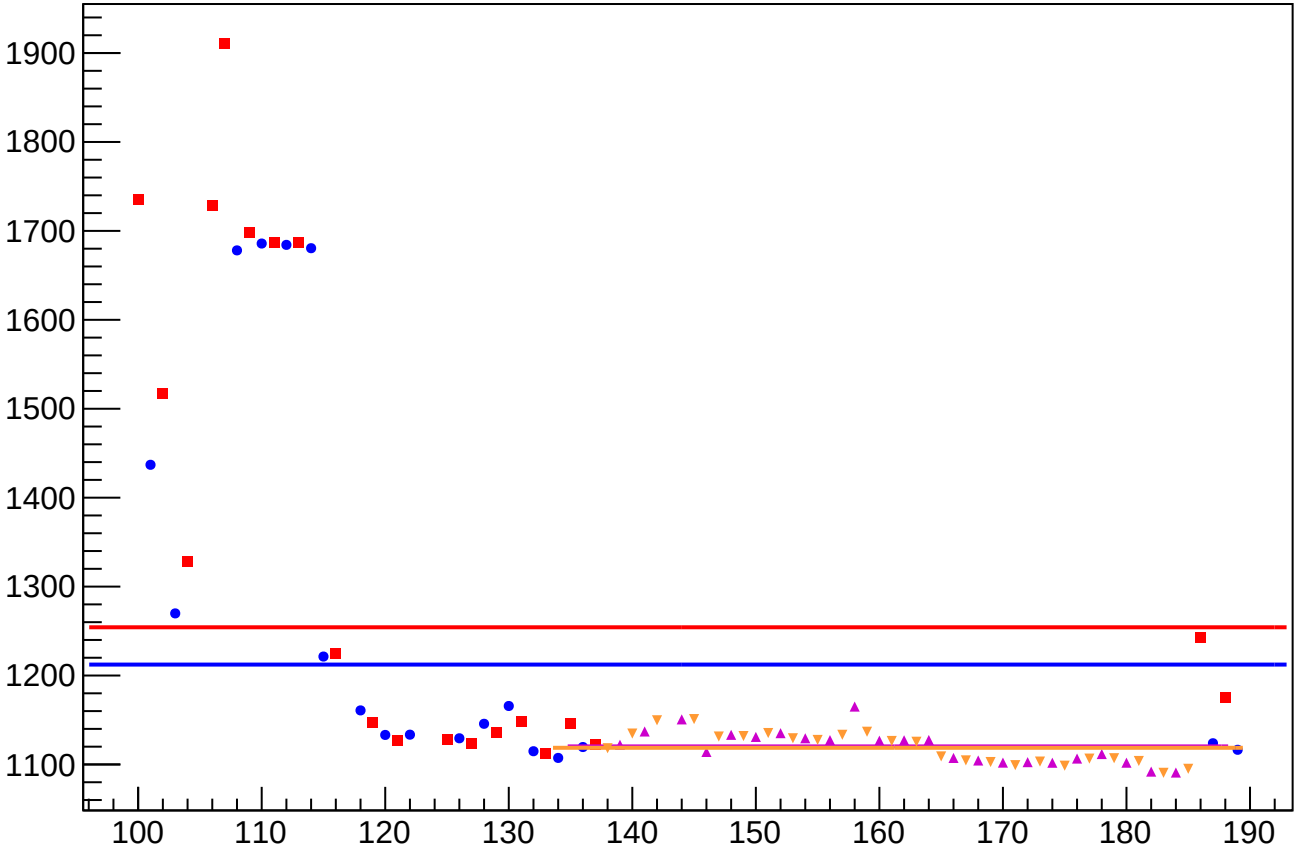
Right: 115.382+/-305.616 χ^2/NDF: 37.5/37

In: 102.100+/-224.002 χ^2/NDF:32.7/40

Out: 197.893+/-222.388 χ^2/NDF:48.5/43

All: 150.343+/-157.819 χ^2/NDF: 81.2/84

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1254.251+/-0.305 χ^2/NDF: 450282.4/19

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

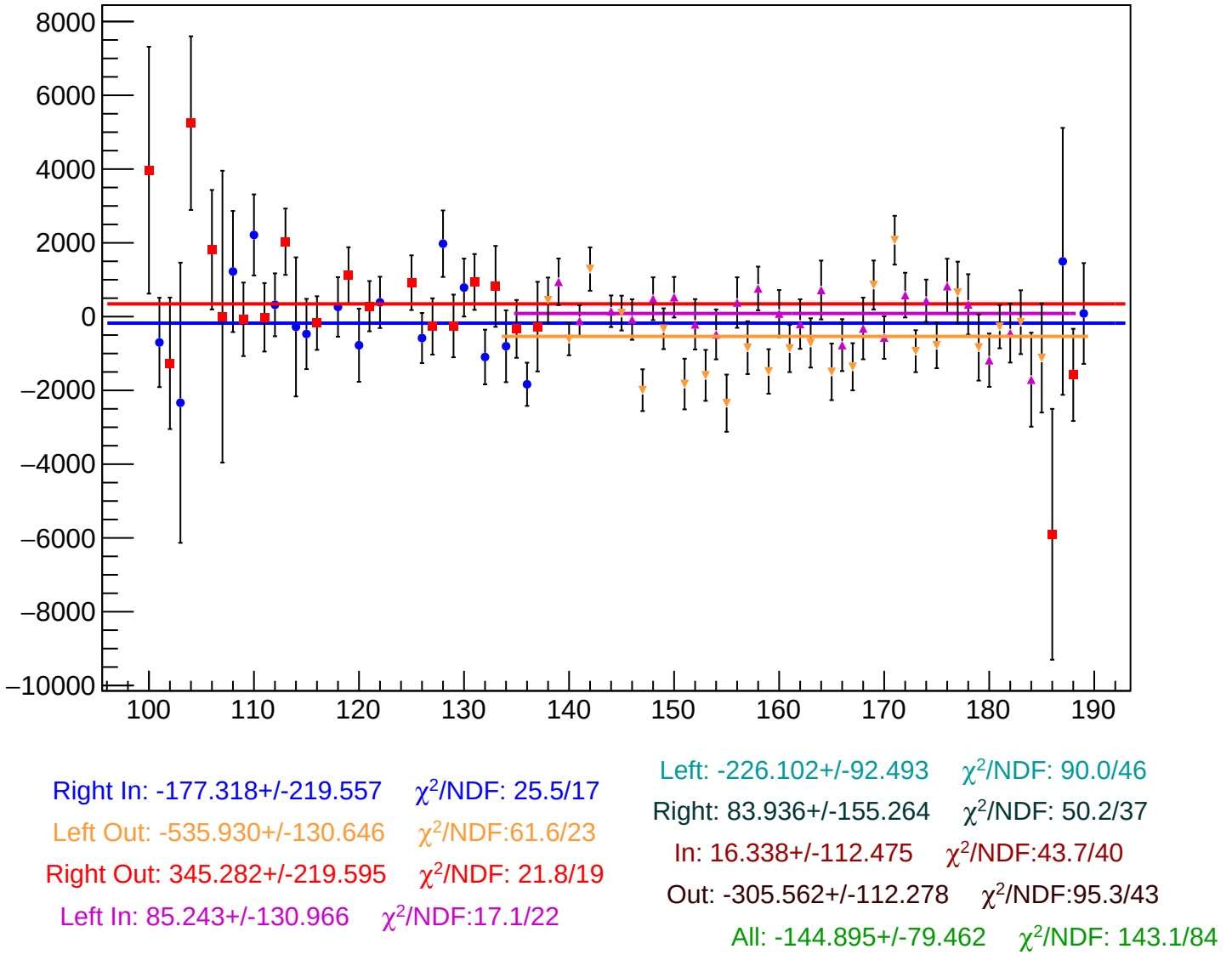
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

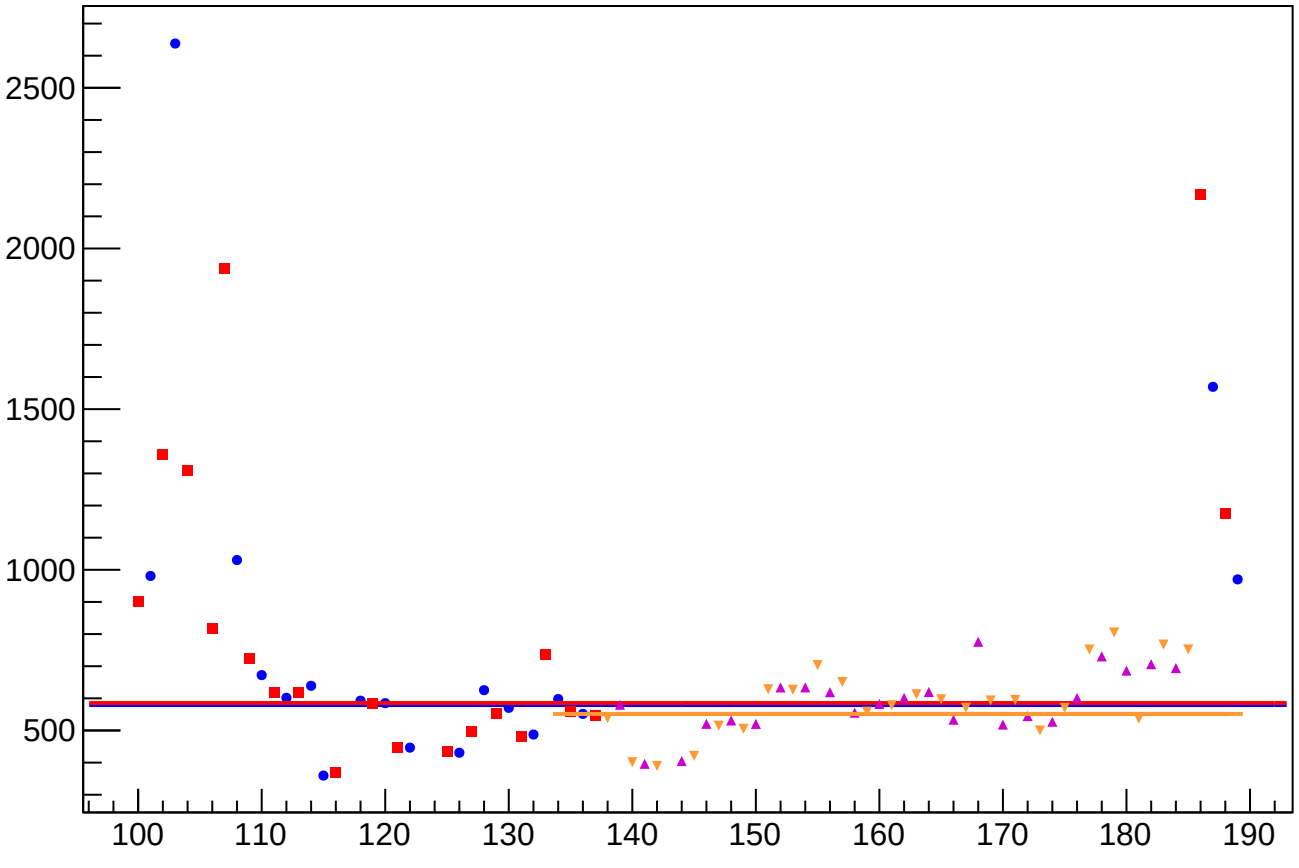
Right: 1233.422+/-0.216 χ^2/NDF: 766054.4/37

In: 1144.855+/-0.158 χ^2/NDF:381836.0/40

Out: 1154.853+/-0.157 χ^2/NDF:603676.0/43

All: 1149.890+/-0.112 χ^2/NDF: 987518.6/84


asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -177.318+/-219.557 χ²/NDF: 25.5/17
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 345.282+/-219.595 χ²/NDF: 21.8/19
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: 83.936+/-155.264 χ²/NDF: 50.2/37
In: 16.338+/-112.475 χ²/NDF:43.7/40
Out: -305.562+/-112.278 χ²/NDF:95.3/43
All: -144.895+/-79.462 χ²/NDF: 143.1/84



Right In: 579.111+/-0.155 χ^2/NDF: 1606137.8/17

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 585.459+/-0.155 χ^2/NDF: 2234340.2/19

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

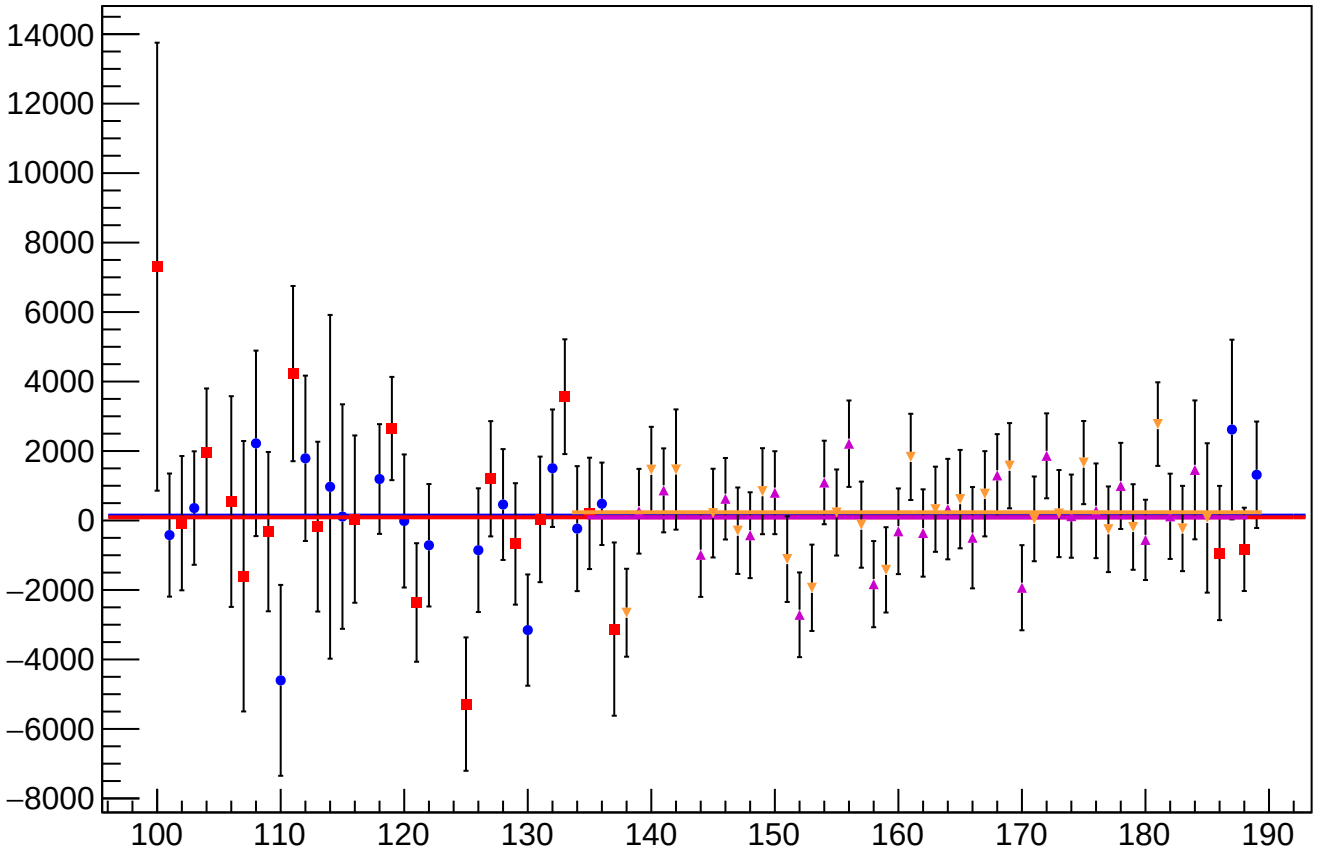
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 582.285+/-0.110 χ^2/NDF: 3841313.8/37

In: 558.625+/-0.080 χ^2/NDF:2691477.9/40

Out: 560.333+/-0.079 χ^2/NDF:3496424.9/43

All: 559.480+/-0.056 χ^2/NDF: 6188133.9/84



Right In: 139.830+/-433.666 χ^2/NDF: 11.8/17

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 91.260+/-430.761 χ^2/NDF: 25.7/19

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

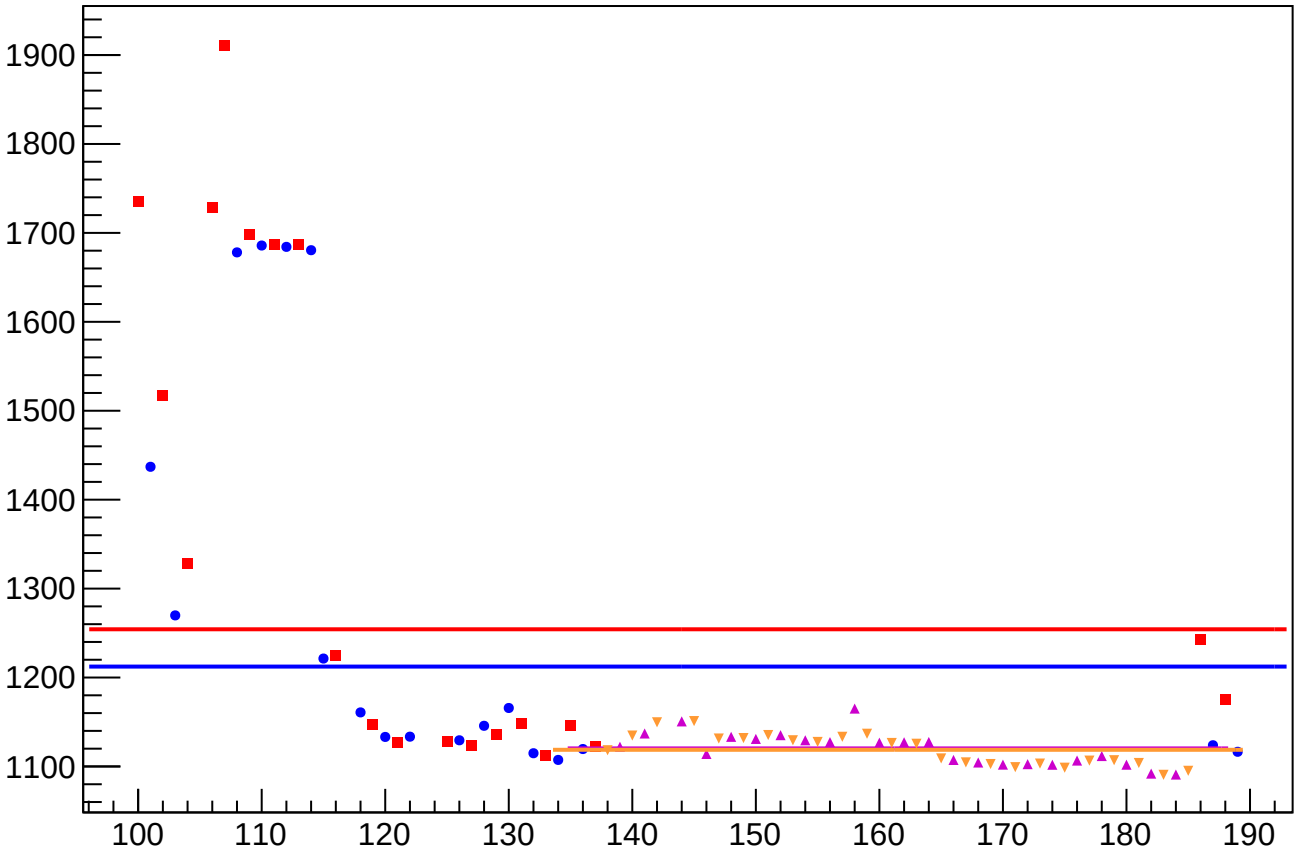
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 115.382+/-305.616 χ^2/NDF: 37.5/37

In: 102.100+/-224.002 χ^2/NDF:32.7/40

Out: 197.893+/-222.388 χ^2/NDF:48.5/43

All: 150.343+/-157.819 χ^2/NDF: 81.2/84



Right In: 1212.311+/-0.307 χ^2/NDF: 306356.3/17

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1254.251+/-0.305 χ^2/NDF: 450282.4/19

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

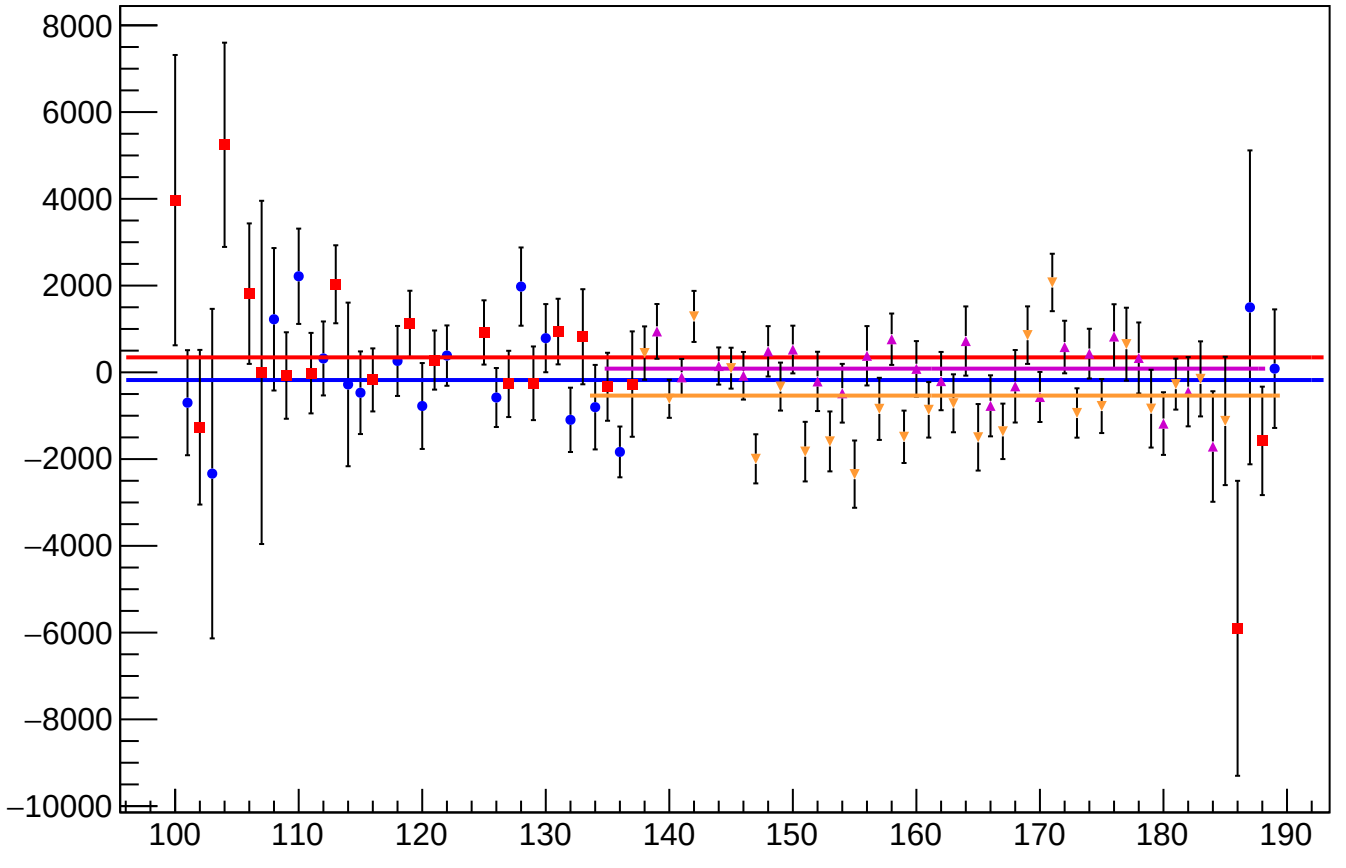
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1233.422+/-0.216 χ^2/NDF: 766054.4/37

In: 1144.855+/-0.158 χ^2/NDF:381836.0/40

Out: 1154.853+/-0.157 χ^2/NDF:603676.0/43

All: 1149.890+/-0.112 χ^2/NDF: 987518.6/84



Right In: -177.318+/-219.557 χ^2/NDF: 25.5/17

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 345.282+/-219.595 χ^2/NDF: 21.8/19

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

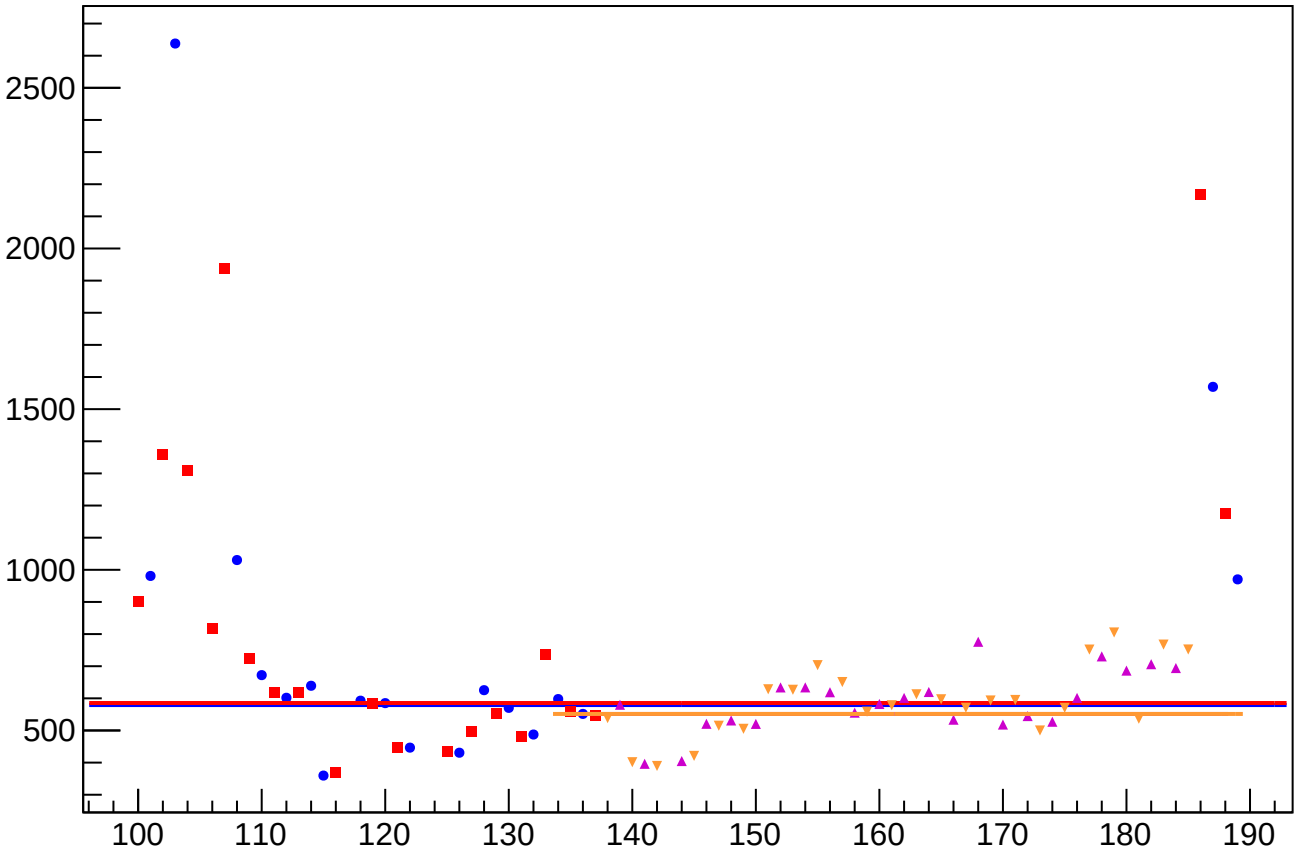
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: 83.936+/-155.264 χ^2/NDF: 50.2/37

In: 16.338+/-112.475 χ^2/NDF:43.7/40

Out: -305.562+/-112.278 χ^2/NDF:95.3/43

All: -144.895+/-79.462 χ^2/NDF: 143.1/84



Right In: 579.111+/-0.155 χ^2/NDF: 1606137.8/17

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 585.459+/-0.155 χ^2/NDF: 2234340.2/19

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

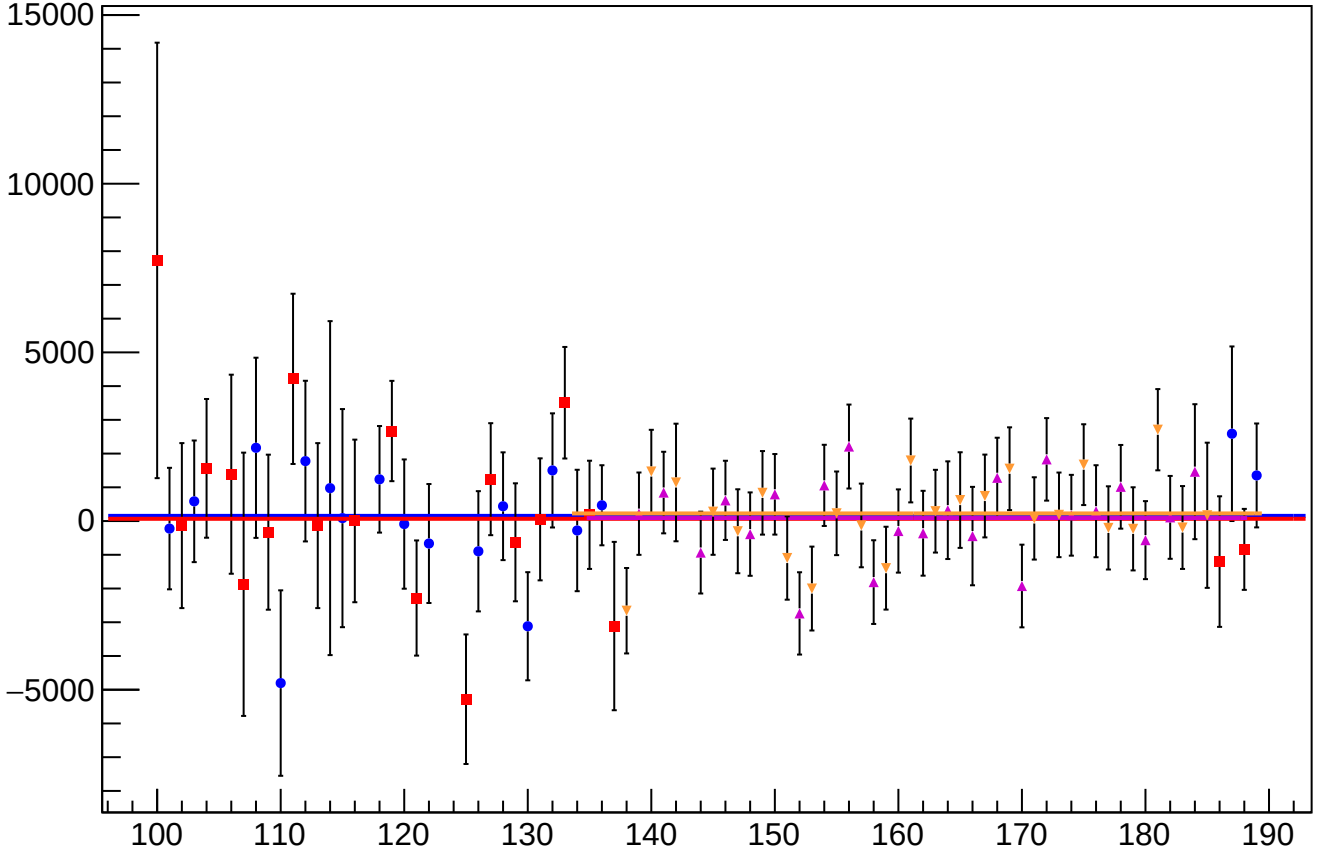
Right: 582.285+/-0.110 χ^2/NDF: 3841313.8/37

In: 558.625+/-0.080 χ^2/NDF:2691477.9/40

Out: 560.333+/-0.079 χ^2/NDF:3496424.9/43

All: 559.480+/-0.056 χ^2/NDF: 6188133.9/84

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.408+/-437.209 χ^2/NDF: 11.9/17

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 66.814+/-437.151 χ^2/NDF: 25.5/19

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

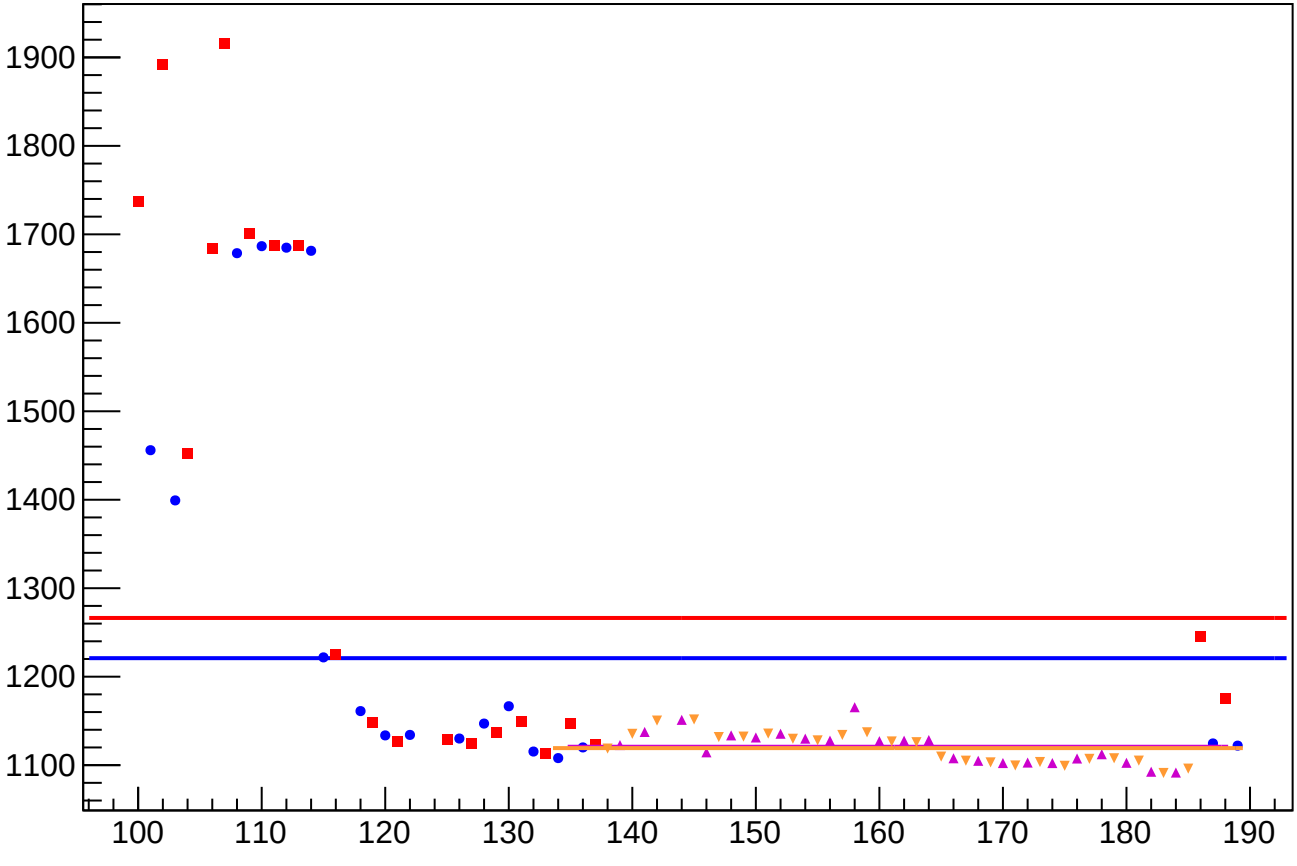
Right: 110.105+/-309.133 χ^2/NDF: 37.4/37

In: 106.049+/-224.558 χ^2/NDF:32.5/40

Out: 184.195+/-223.354 χ^2/NDF:47.8/43

All: 145.332+/-158.359 χ^2/NDF: 80.3/84

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1220.931+/-0.309 χ^2/NDF: 327840.7/17

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1266.372+/-0.309 χ^2/NDF: 557211.7/19

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

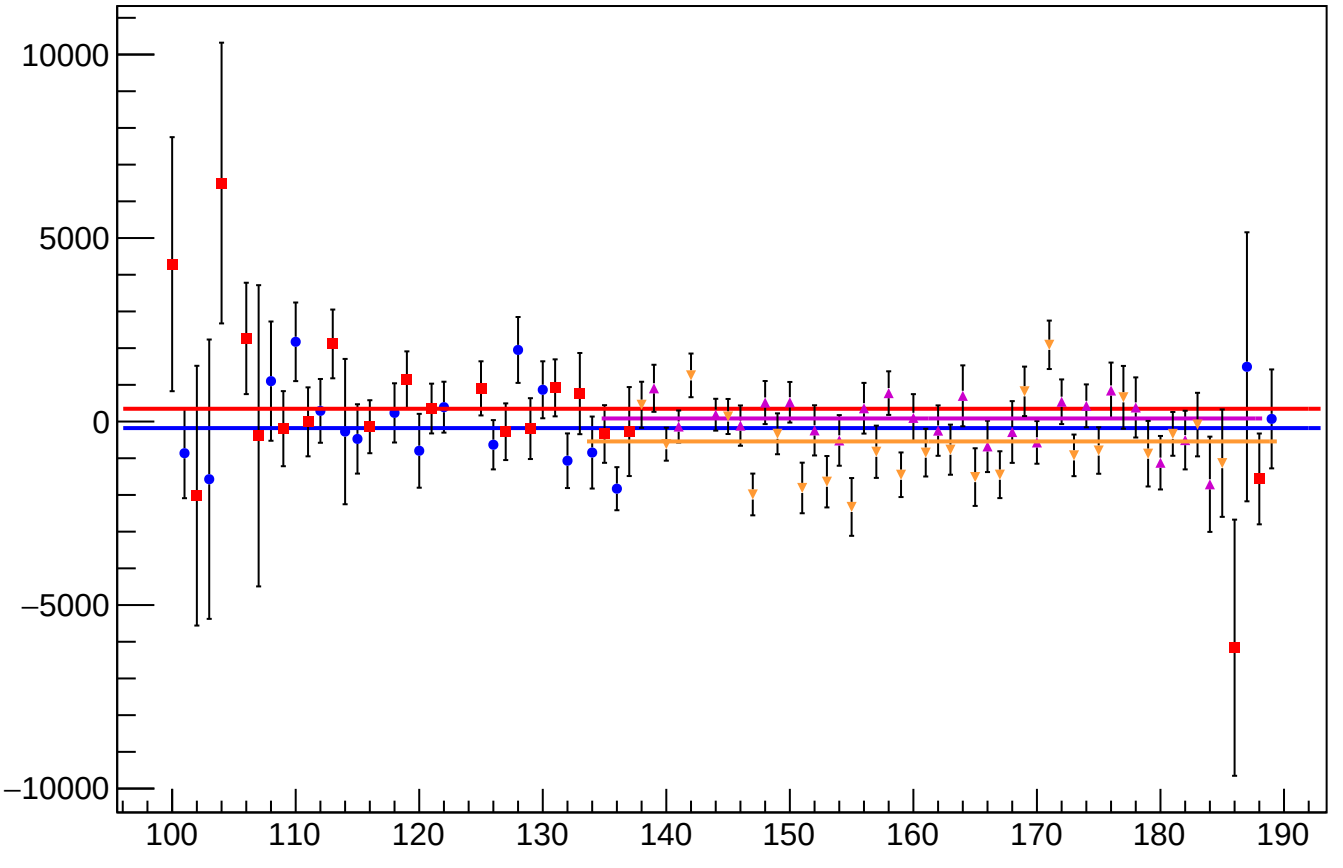
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1243.654+/-0.219 χ^2/NDF: 895856.3/37

In: 1147.215+/-0.159 χ^2/NDF:414496.0/40

Out: 1157.662+/-0.158 χ^2/NDF:732729.7/43

All: 1152.467+/-0.112 χ^2/NDF: 1149401.8/84



Right In: -178.516+/-219.388 χ^2/NDF: 25.5/17

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 348.051+/-222.440 χ^2/NDF: 20.7/19

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

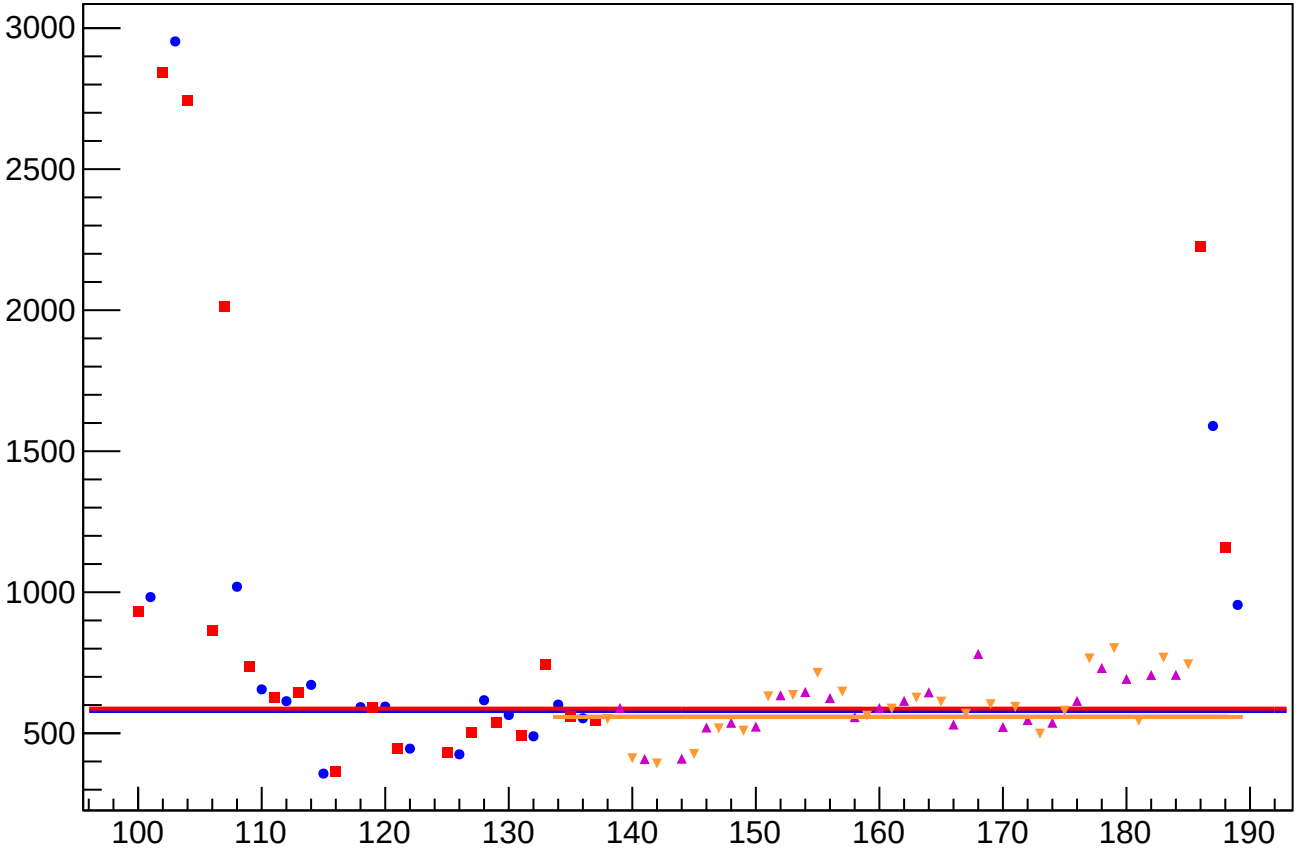
Right: 81.130+/-156.199 χ^2/NDF: 49.0/37

In: 13.889+/-113.450 χ^2/NDF:43.0/40

Out: -309.868+/-113.525 χ^2/NDF:93.4/43

All: -147.883+/-80.248 χ^2/NDF: 140.4/84

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 578.879+/-0.155 χ^2/NDF: 1796138.1/17

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 587.326+/-0.157 χ^2/NDF: 3166537.3/19

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

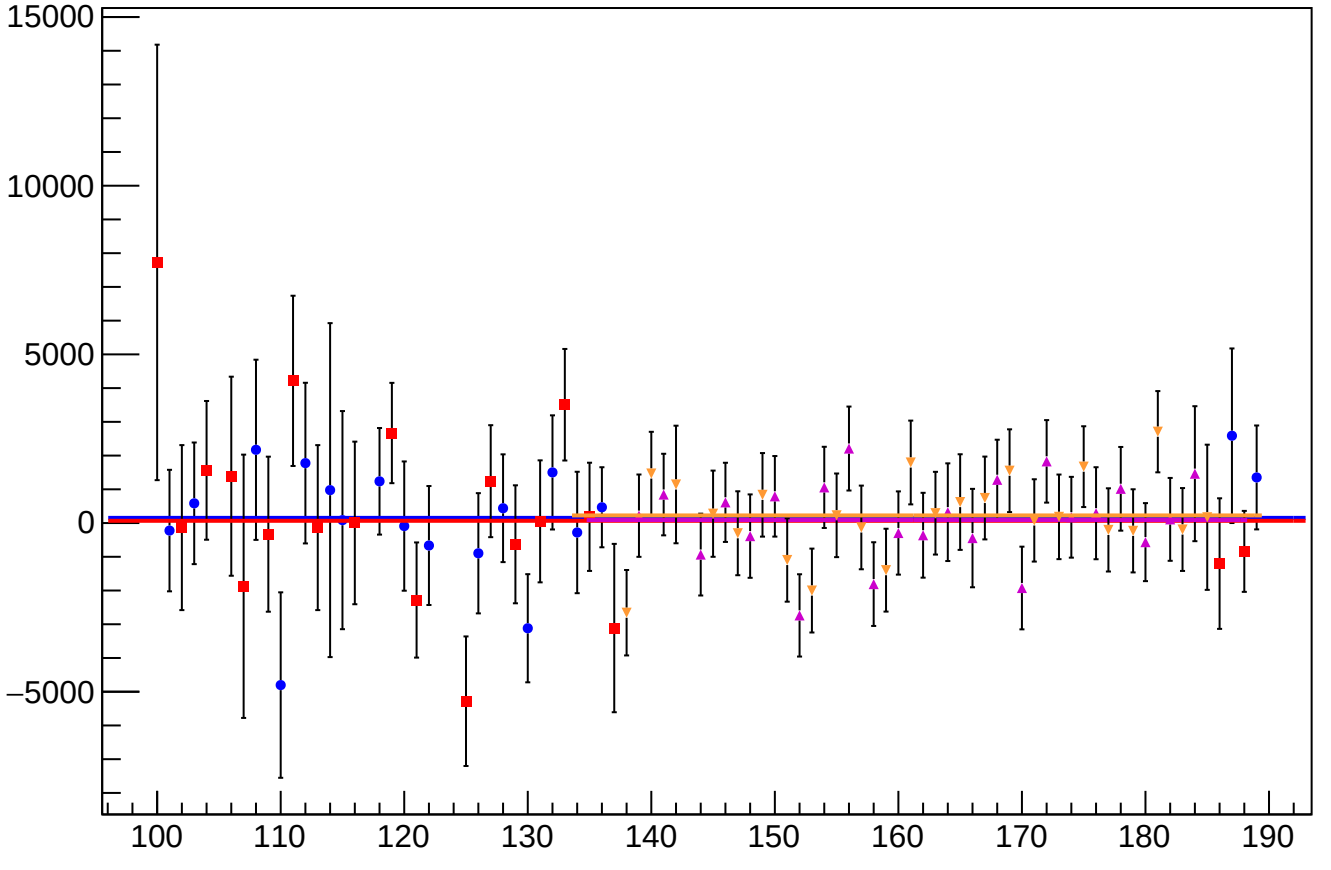
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 583.044+/-0.110 χ^2/NDF: 4964137.3/37

In: 563.871+/-0.080 χ^2/NDF:2836727.8/40

Out: 565.337+/-0.080 χ^2/NDF:4386235.8/43

All: 564.603+/-0.057 χ^2/NDF: 7223130.3/84



Right In: 153.409+/-437.209 χ^2/NDF: 11.9/17

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 66.814+/-437.151 χ^2/NDF: 25.5/19

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

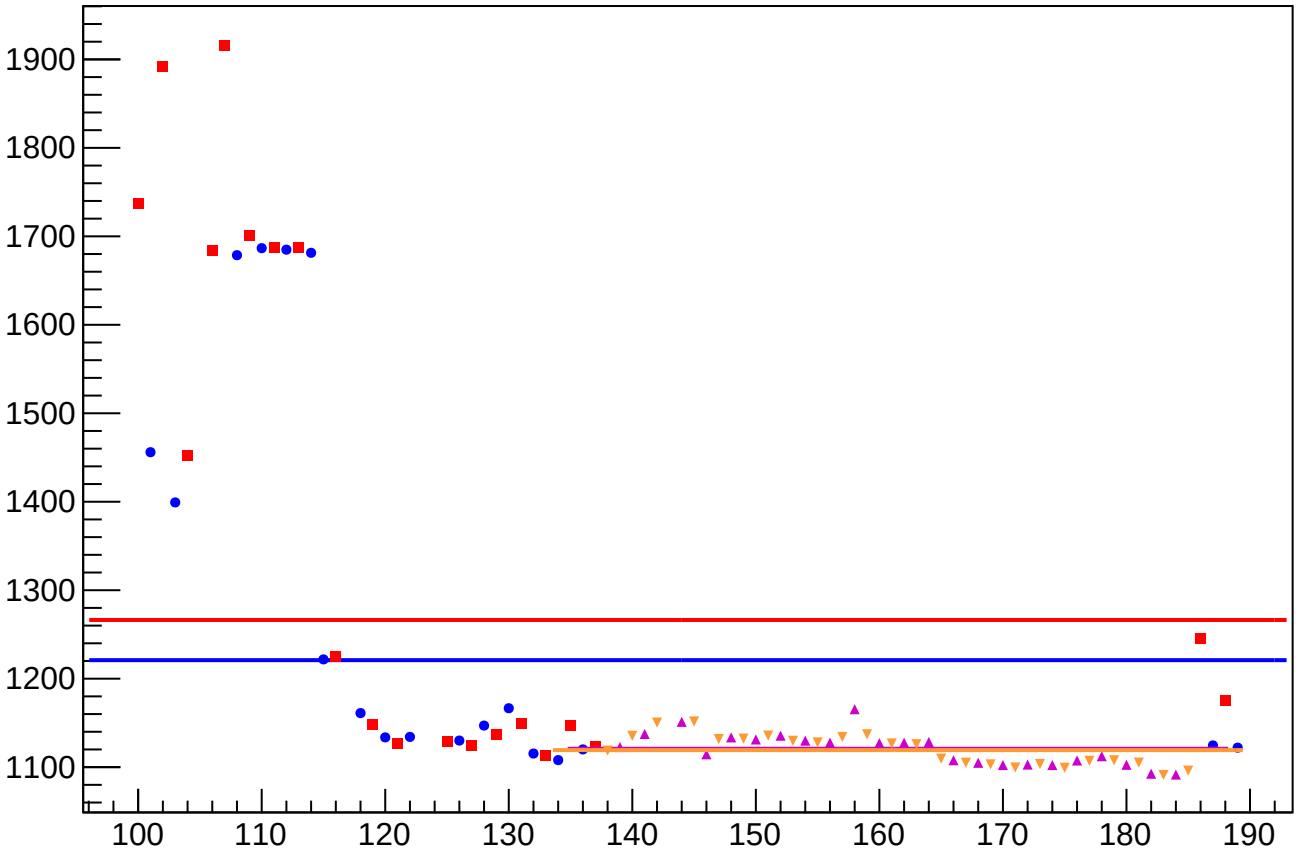
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 110.106+/-309.133 χ^2/NDF: 37.4/37

In: 106.049+/-224.558 χ^2/NDF:32.5/40

Out: 184.194+/-223.354 χ^2/NDF:47.8/43

All: 145.332+/-158.359 χ^2/NDF: 80.3/84



Right In: 1220.931+/-0.309 χ^2/NDF: 327840.3/17

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1266.372+/-0.309 χ^2/NDF: 557211.2/19

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

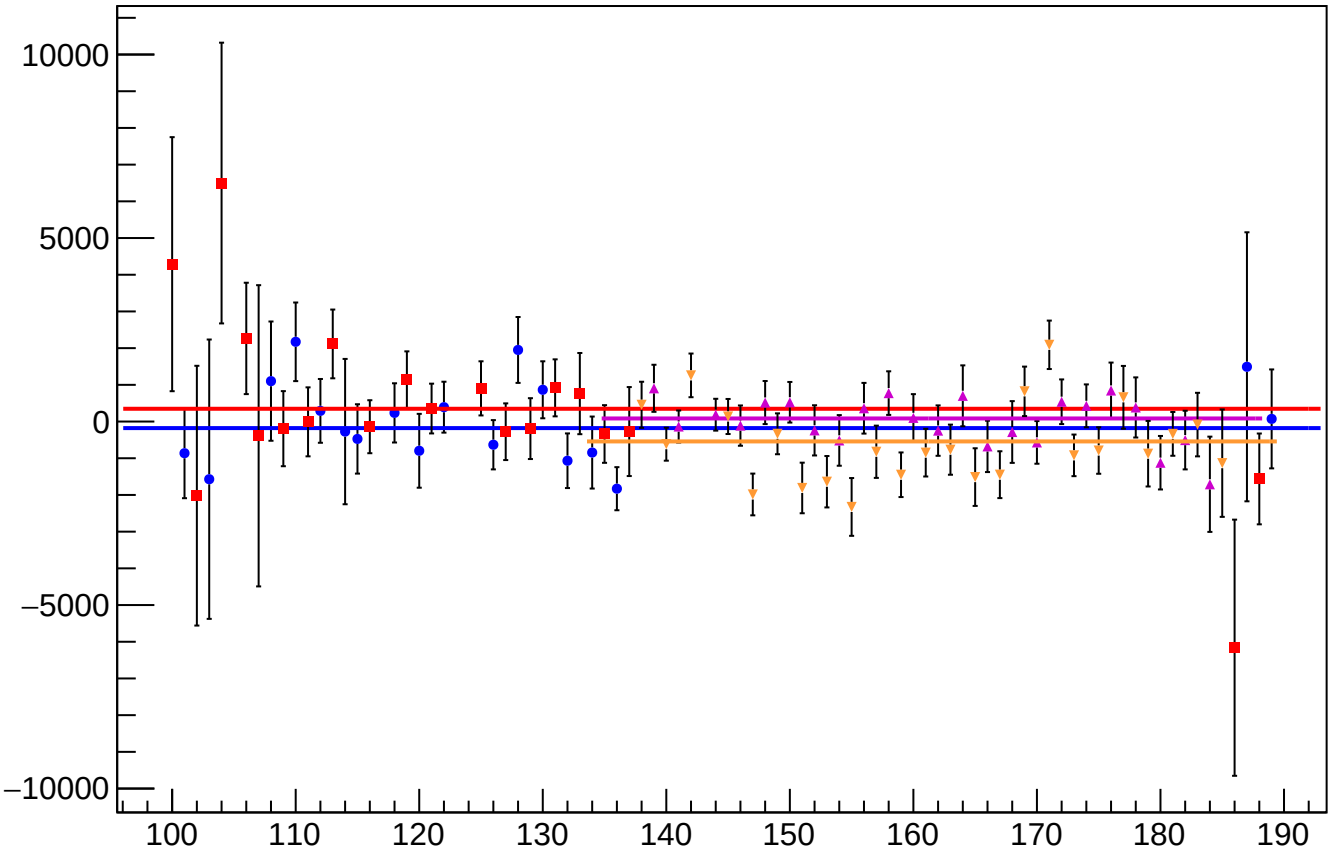
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1243.654+/-0.219 χ^2/NDF: 895855.4/37

In: 1147.215+/-0.159 χ^2/NDF:414495.5/40

Out: 1157.662+/-0.158 χ^2/NDF:732729.0/43

All: 1152.467+/-0.112 χ^2/NDF: 1149400.6/84



Right In: -178.516+/-219.388 χ^2/NDF: 25.5/17

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 348.051+/-222.440 χ^2/NDF: 20.7/19

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

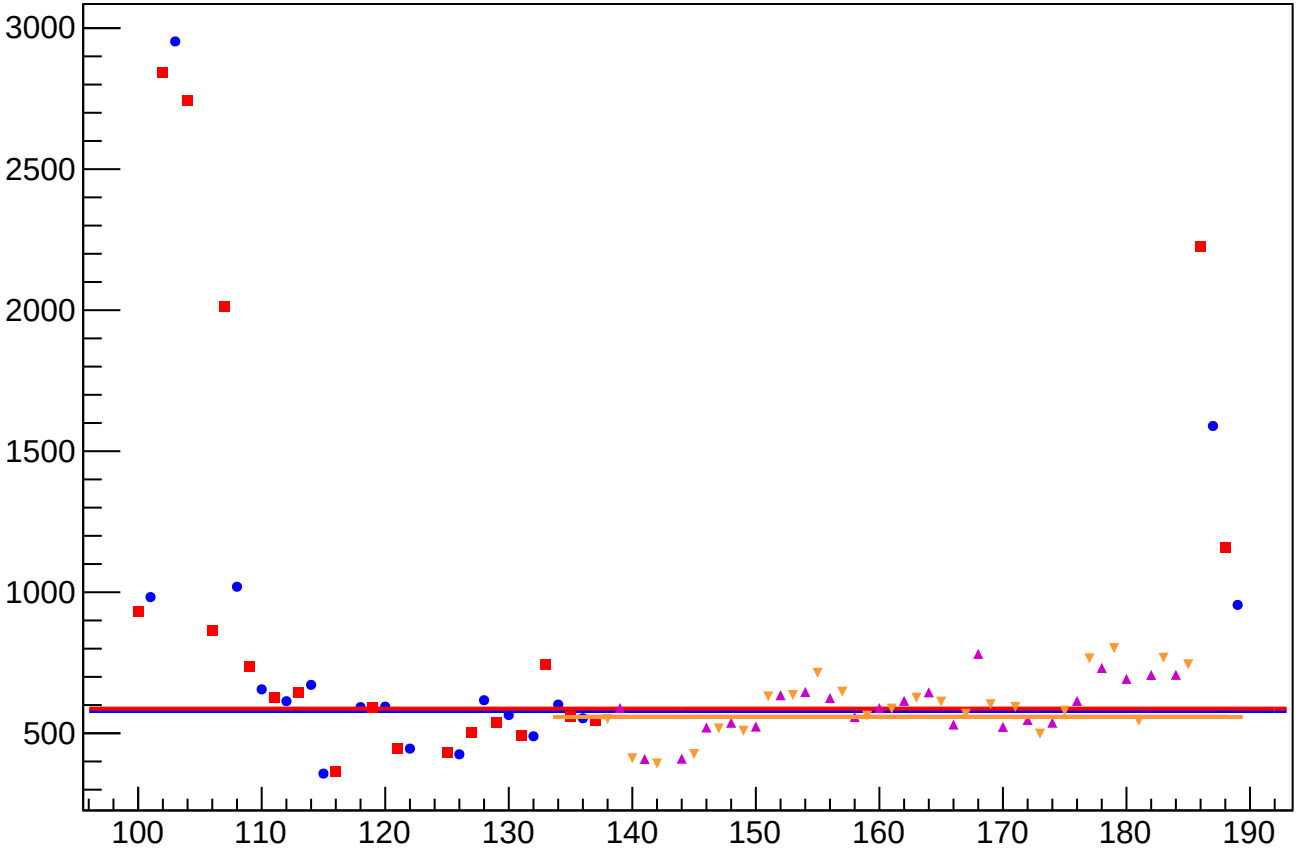
Right: 81.130+/-156.199 χ^2/NDF: 49.0/37

In: 13.889+/-113.450 χ^2/NDF:43.0/40

Out: -309.868+/-113.525 χ^2/NDF:93.4/43

All: -147.882+/-80.248 χ^2/NDF: 140.4/84

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 578.879+/-0.155 χ^2/NDF: 1796135.2/17

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 587.326+/-0.157 χ^2/NDF: 3166538.3/19

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

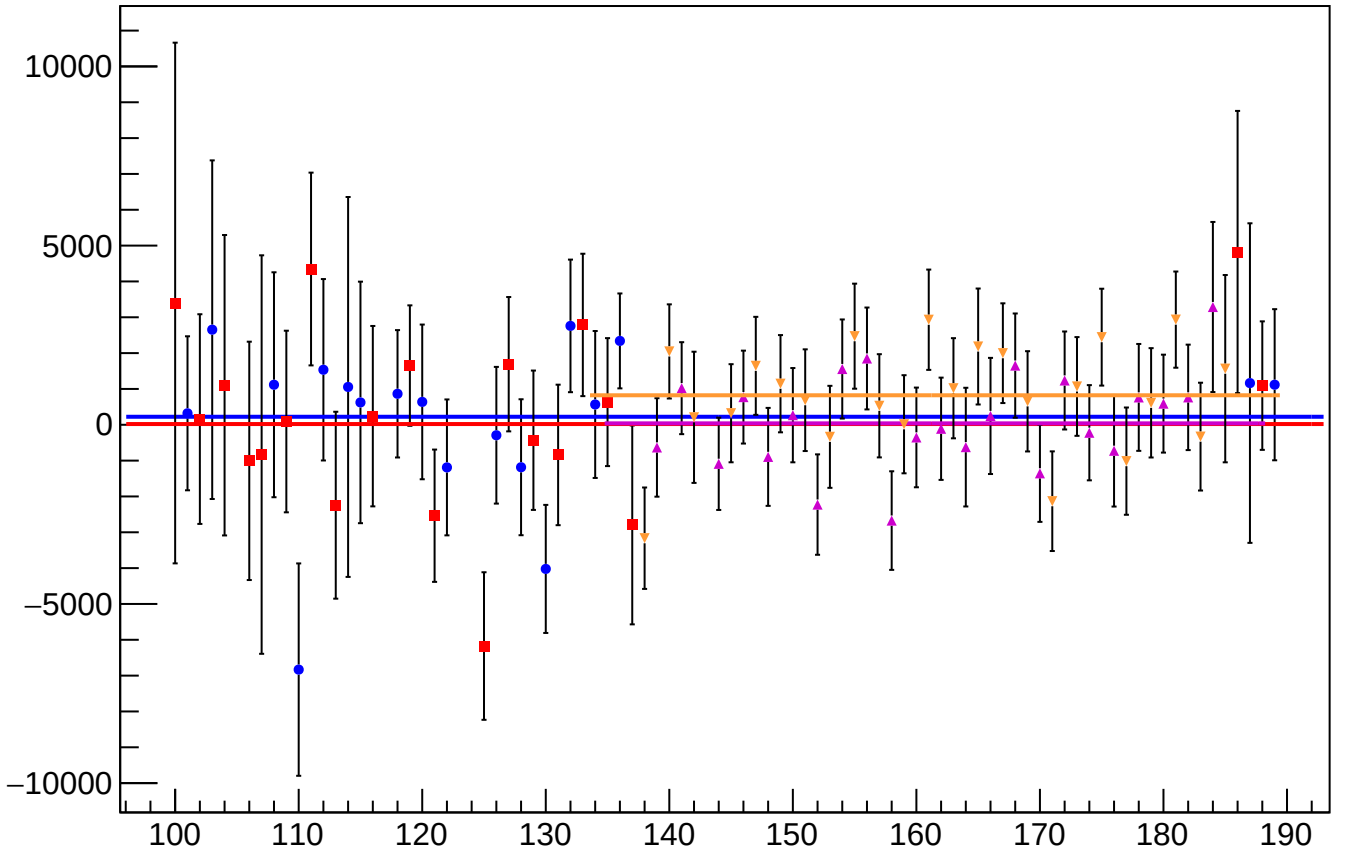
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 583.044+/-0.110 χ^2/NDF: 4964135.4/37

In: 563.871+/-0.080 χ^2/NDF:2836740.1/40

Out: 565.336+/-0.080 χ^2/NDF:4386258.9/43

All: 564.603+/-0.057 χ^2/NDF: 7223165.7/84



Right In: 223.683+/-512.504 χ^2/NDF: 18.0/17

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 20.385+/-521.322 χ^2/NDF: 21.6/19

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

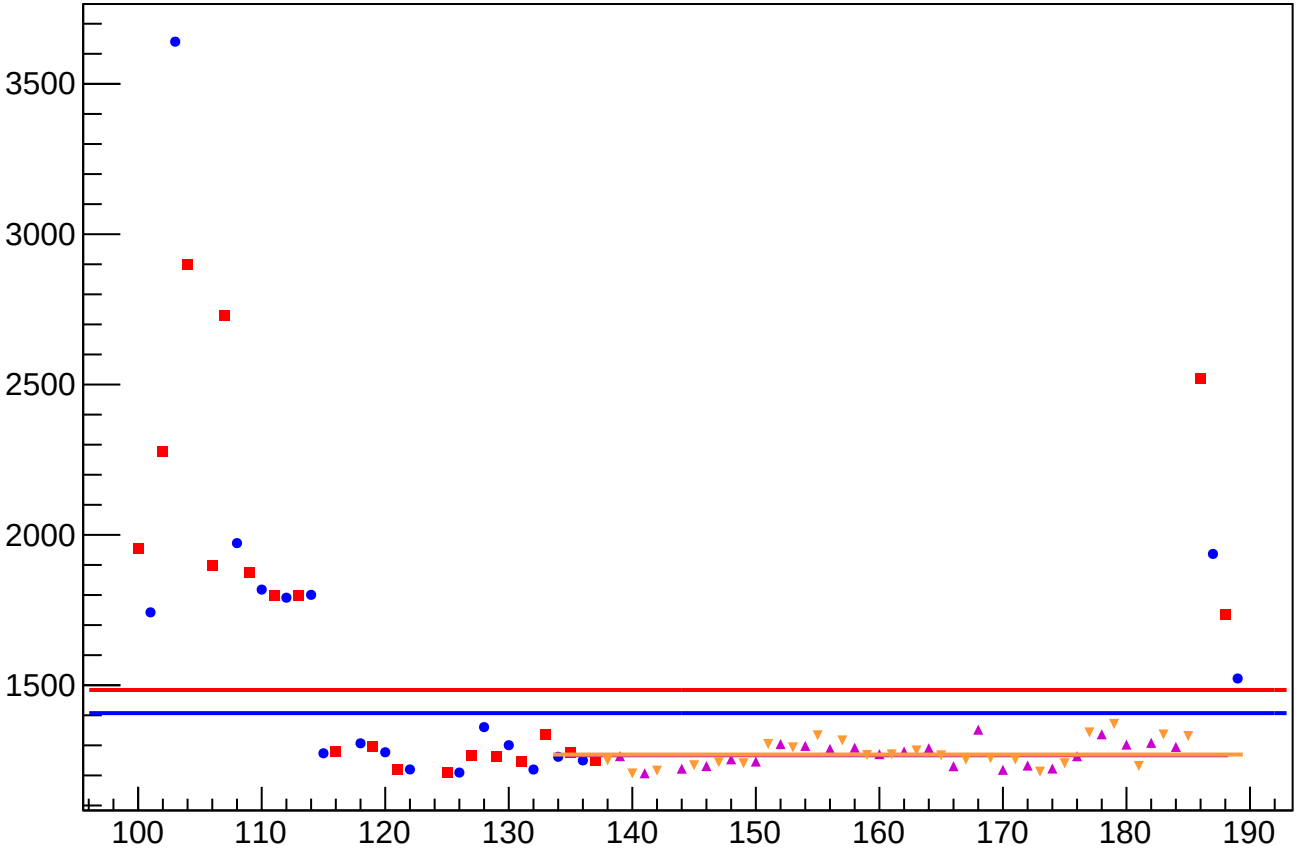
Right: 123.768+/-365.473 χ^2/NDF: 39.7/37

In: 85.719+/-256.324 χ^2/NDF:36.0/40

Out: 628.737+/-256.636 χ^2/NDF:49.6/43

All: 356.899+/-181.359 χ^2/NDF: 87.8/84

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1407.178+/-0.362 χ^2/NDF: 814985.4/17

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1484.146+/-0.369 χ^2/NDF: 1045747.3/19

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

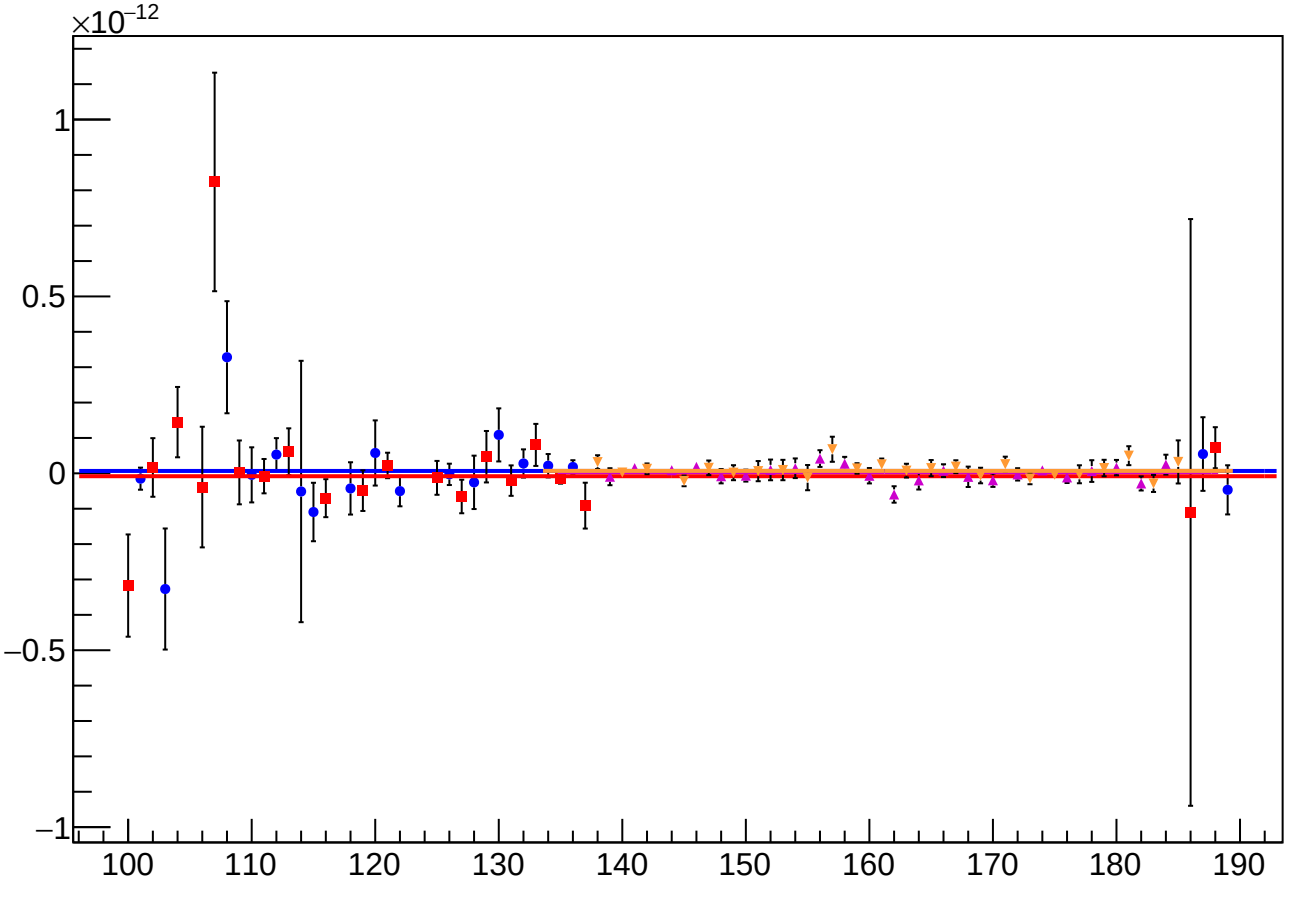
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1445.006+/-0.258 χ^2/NDF: 1882902.1/37

In: 1302.114+/-0.181 χ^2/NDF:961622.7/40

Out: 1321.472+/-0.181 χ^2/NDF:1345816.4/43

All: 1311.781+/-0.128 χ^2/NDF: 2313135.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/19

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

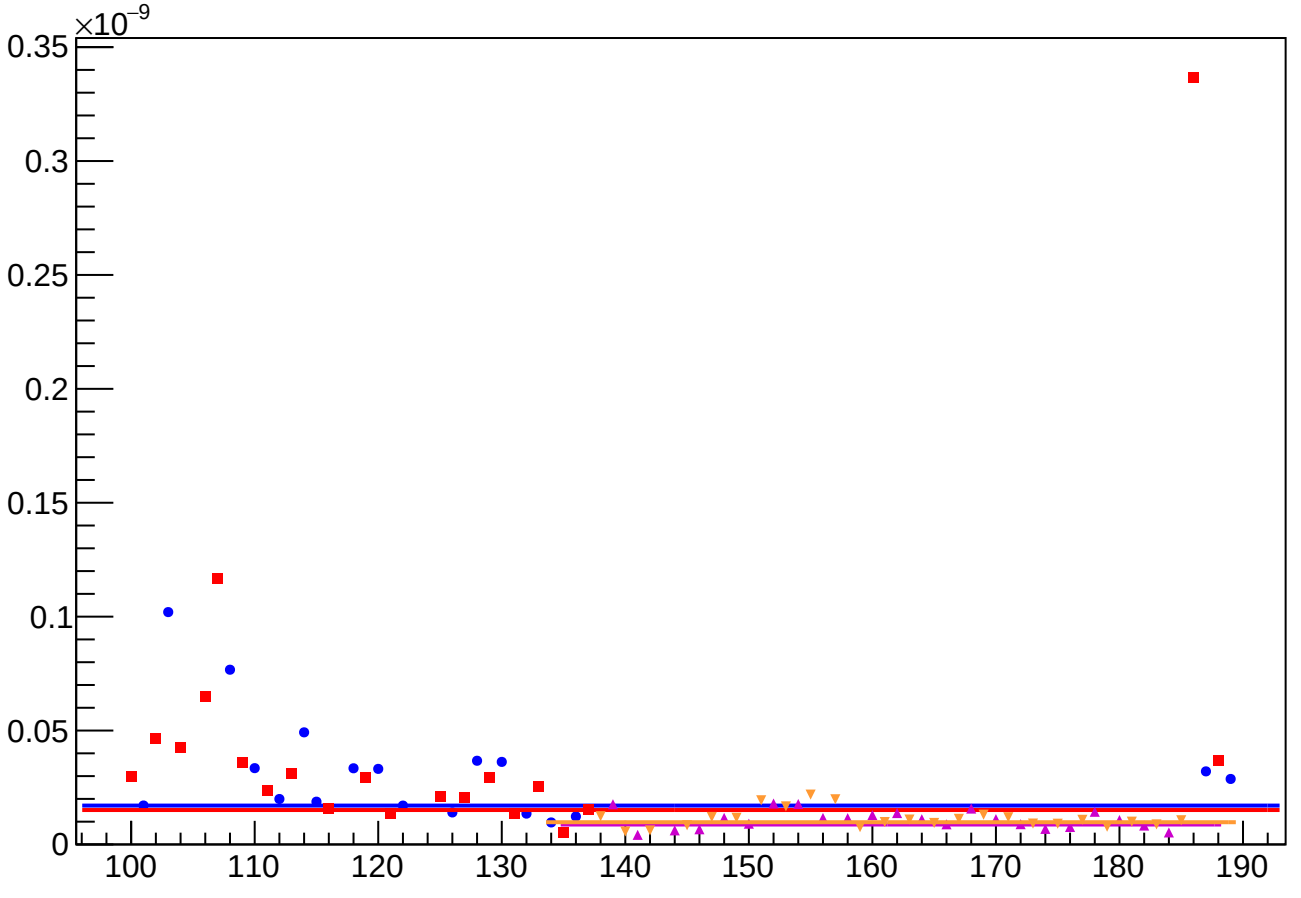
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 44.7/37

In: 0.000+/-0.000 χ^2/NDF:40.8/40

Out: 0.000+/-0.000 χ^2/NDF:47.7/43

All: 0.000+/-0.000 χ^2/NDF: 88.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 1674806.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2847687.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

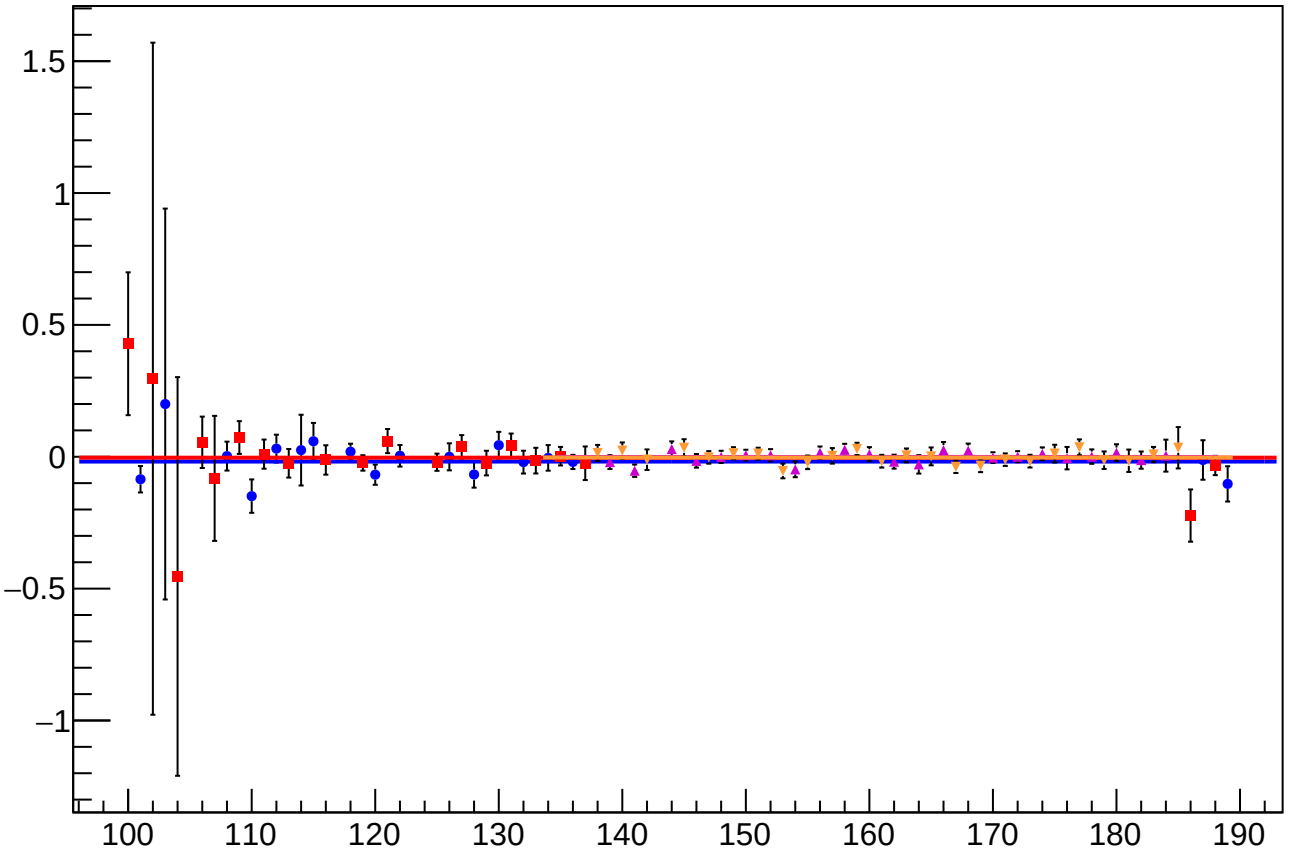
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 4556718.0/37

In: 0.000+/-0.000 χ^2/NDF:4684940.7/40

Out: 0.000+/-0.000 χ^2/NDF:4681830.5/43

All: 0.000+/-0.000 χ^2/NDF: 9415069.5/84



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

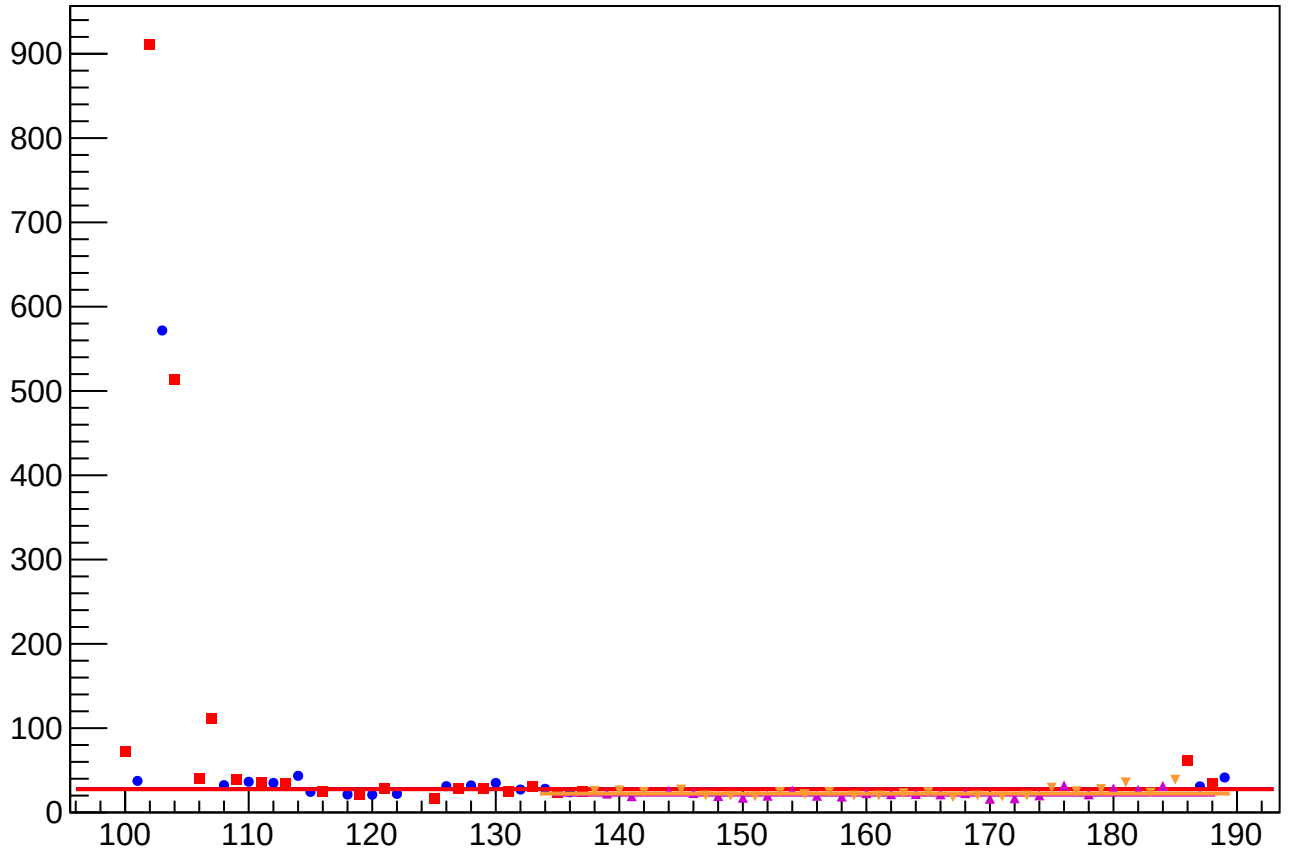
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.011+/-0.008 χ^2/NDF: 32.8/37

In: -0.004+/-0.005 χ^2/NDF:33.1/40

Out: -0.003+/-0.005 χ^2/NDF:32.1/43

All: -0.004+/-0.004 χ^2/NDF: 65.2/84



Right In: 27.789+/-0.008 χ^2/NDF: 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 27.600+/-0.008 χ^2/NDF: 2932120.2/19

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

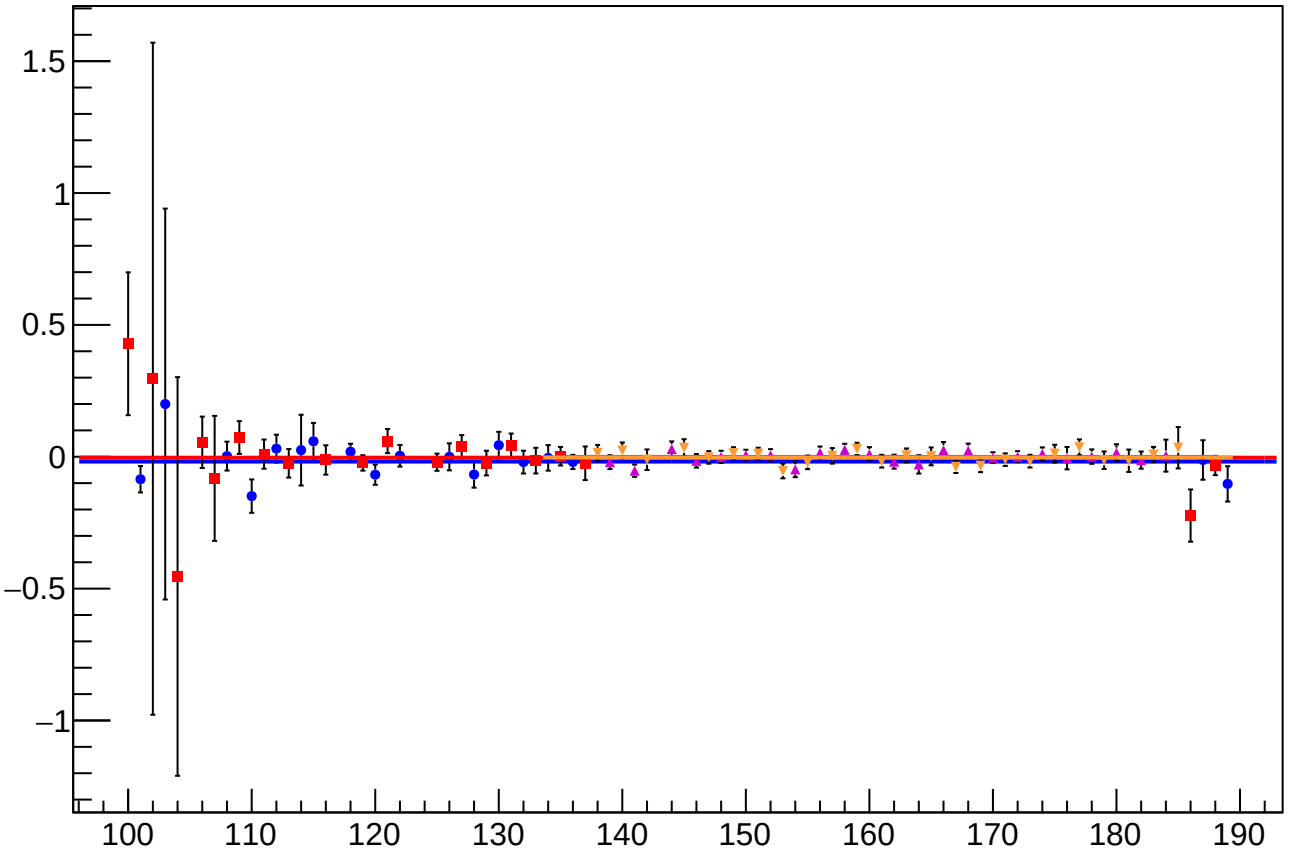
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 27.695+/-0.006 χ^2/NDF: 4591367.4/37

In: 22.375+/-0.003 χ^2/NDF:3049455.8/40

Out: 23.408+/-0.004 χ^2/NDF:4089877.6/43

All: 22.874+/-0.002 χ^2/NDF: 7182008.4/84



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

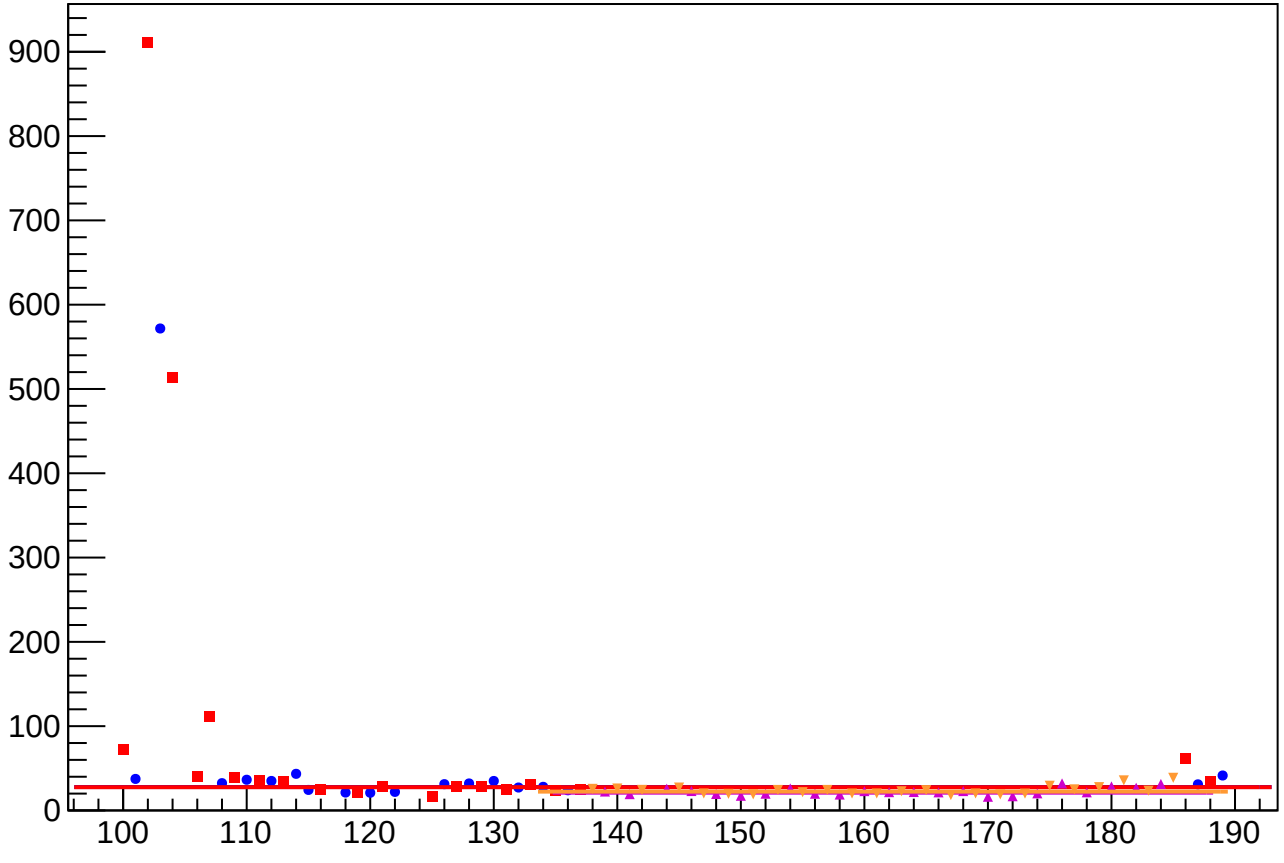
Right: -0.011+/-0.008 χ^2/NDF: 32.8/37

In: -0.004+/-0.005 χ^2/NDF:33.1/40

Out: -0.003+/-0.005 χ^2/NDF:32.1/43

All: -0.004+/-0.004 χ^2/NDF: 65.2/84

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.789+/-0.008 χ^2/NDF: 1658968.0/17

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 27.600+/-0.008 χ^2/NDF: 2932120.2/19

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

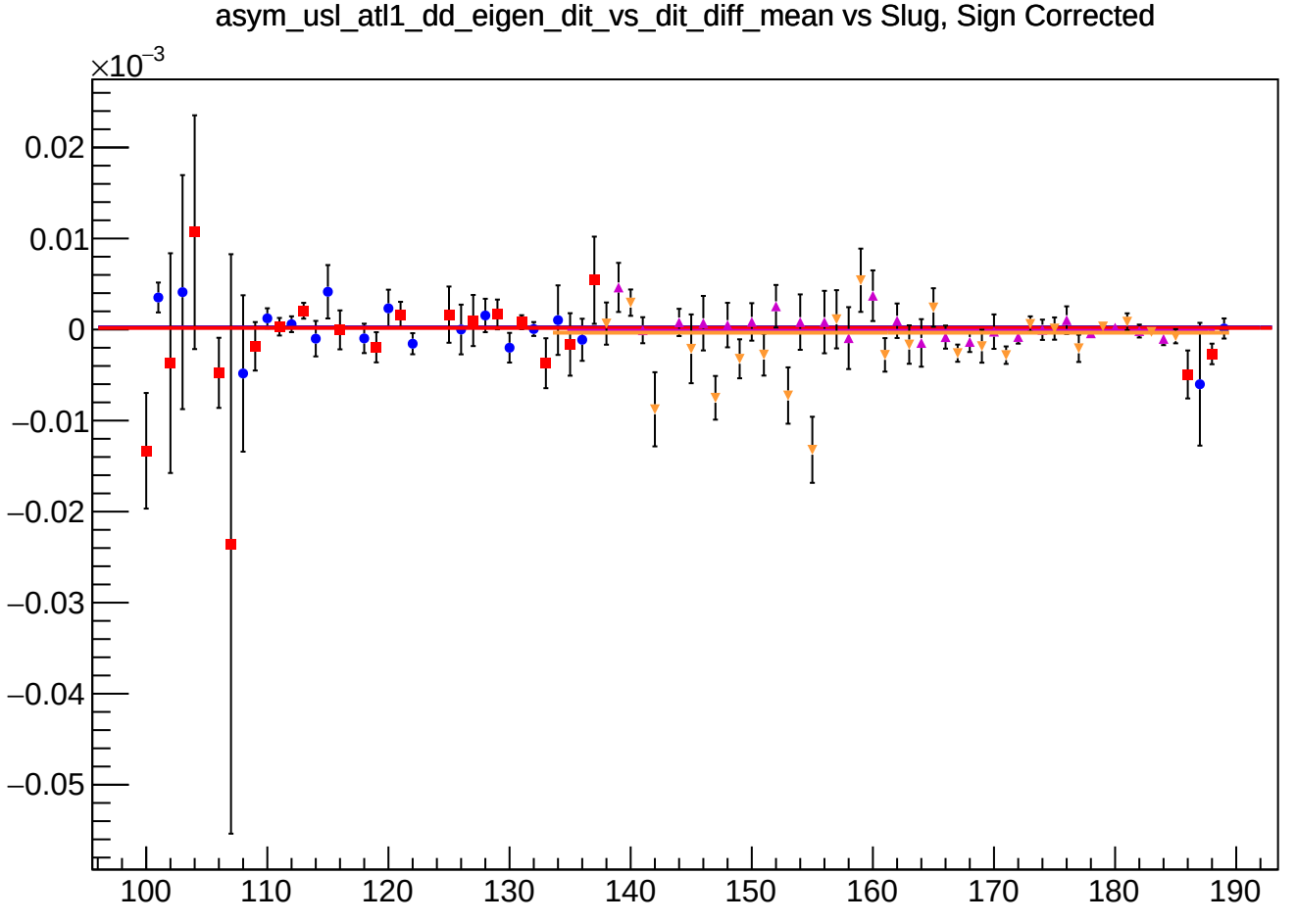
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 27.695+/-0.006 χ^2/NDF: 4591367.4/37

In: 22.375+/-0.003 χ^2/NDF:3049455.8/40

Out: 23.408+/-0.004 χ^2/NDF:4089877.6/43

All: 22.874+/-0.002 χ^2/NDF: 7182008.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/19

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

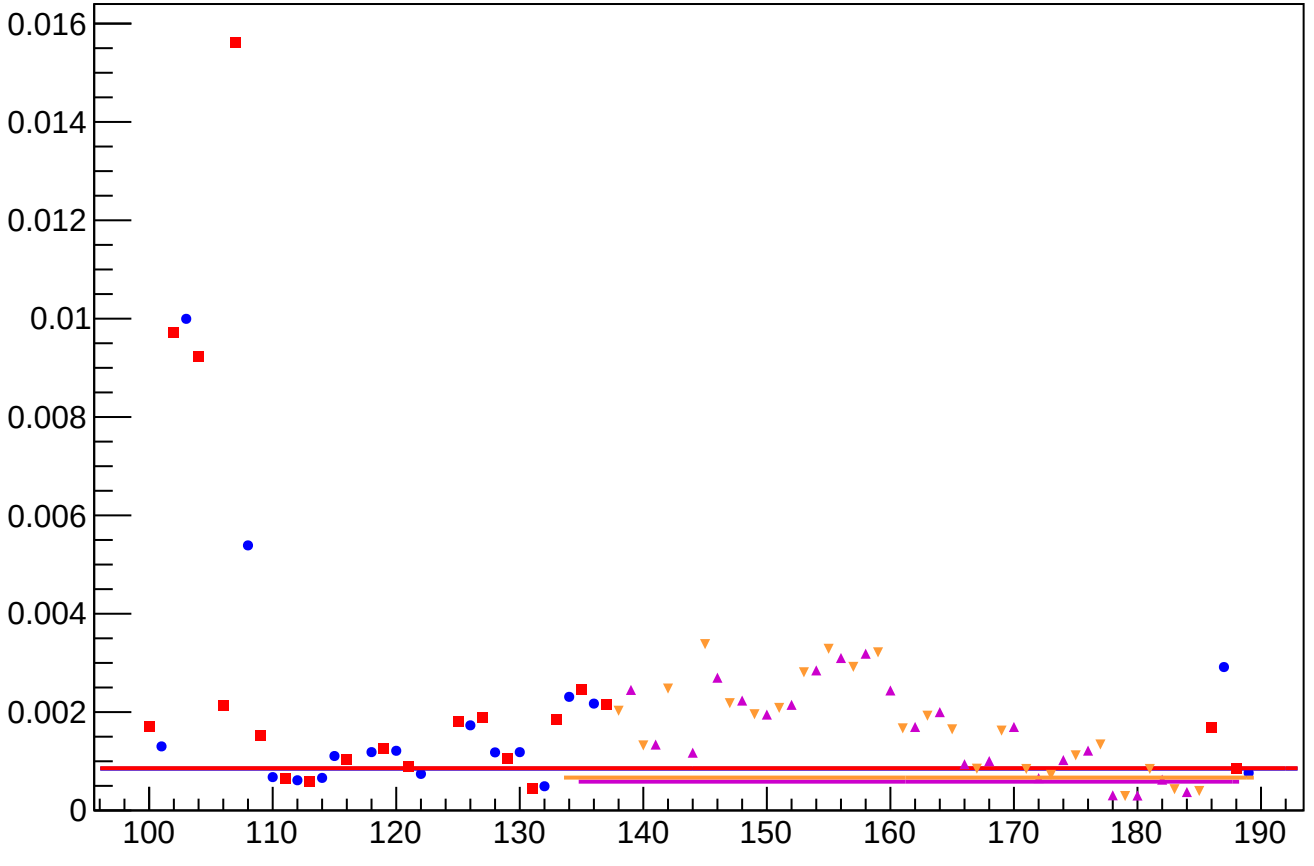
Right: 0.000+/-0.000 χ^2/NDF: 46.2/37

In: -0.000+/-0.000 χ^2/NDF:30.5/40

Out: -0.000+/-0.000 χ^2/NDF:100.5/43

All: -0.000+/-0.000 χ^2/NDF: 131.4/84

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4063818.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5243978.2/19

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

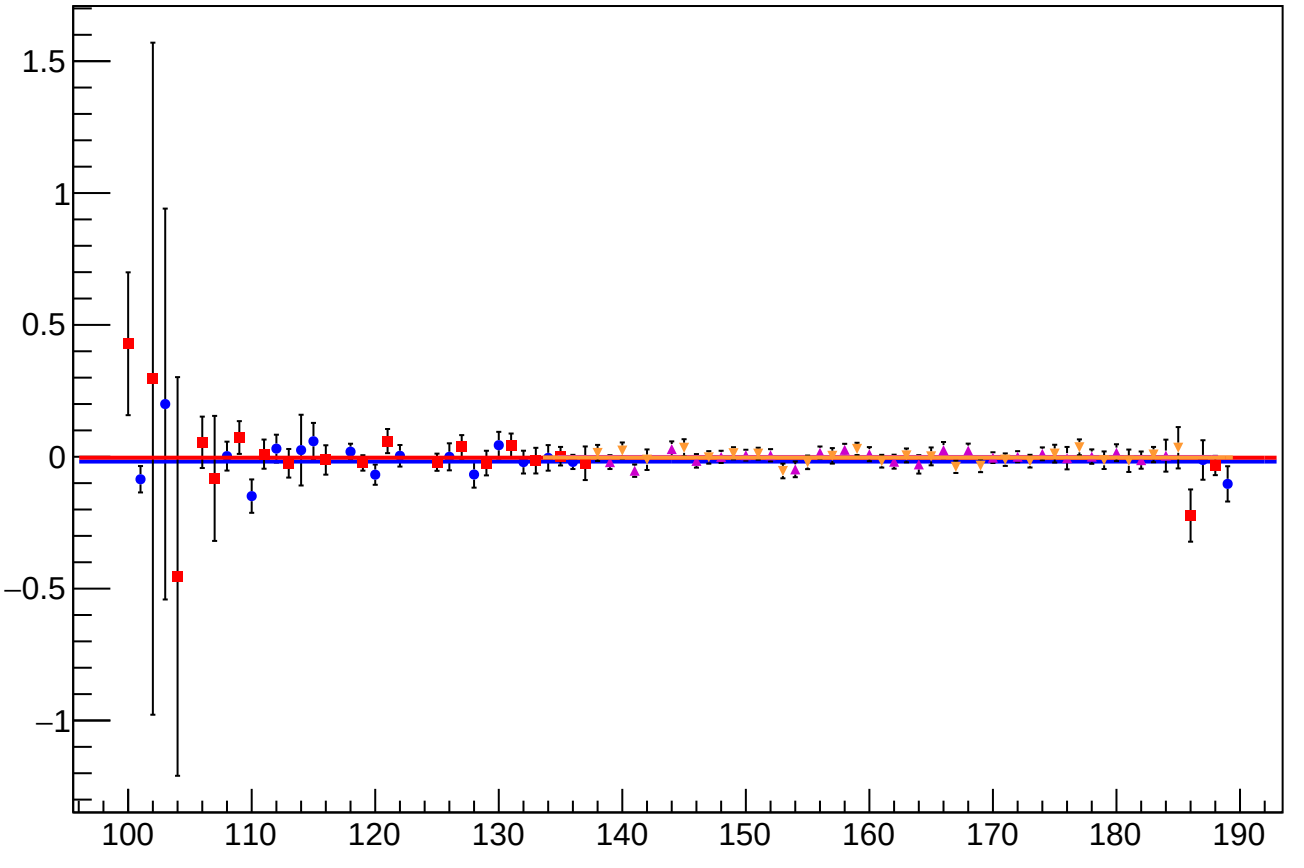
Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

Right: 0.001+/-0.000 χ^2/NDF: 9308458.8/37

In: 0.001+/-0.000 χ^2/NDF:20584530.1/40

Out: 0.001+/-0.000 χ^2/NDF:21022356.3/43

All: 0.001+/-0.000 χ^2/NDF: 41769019.9/84



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

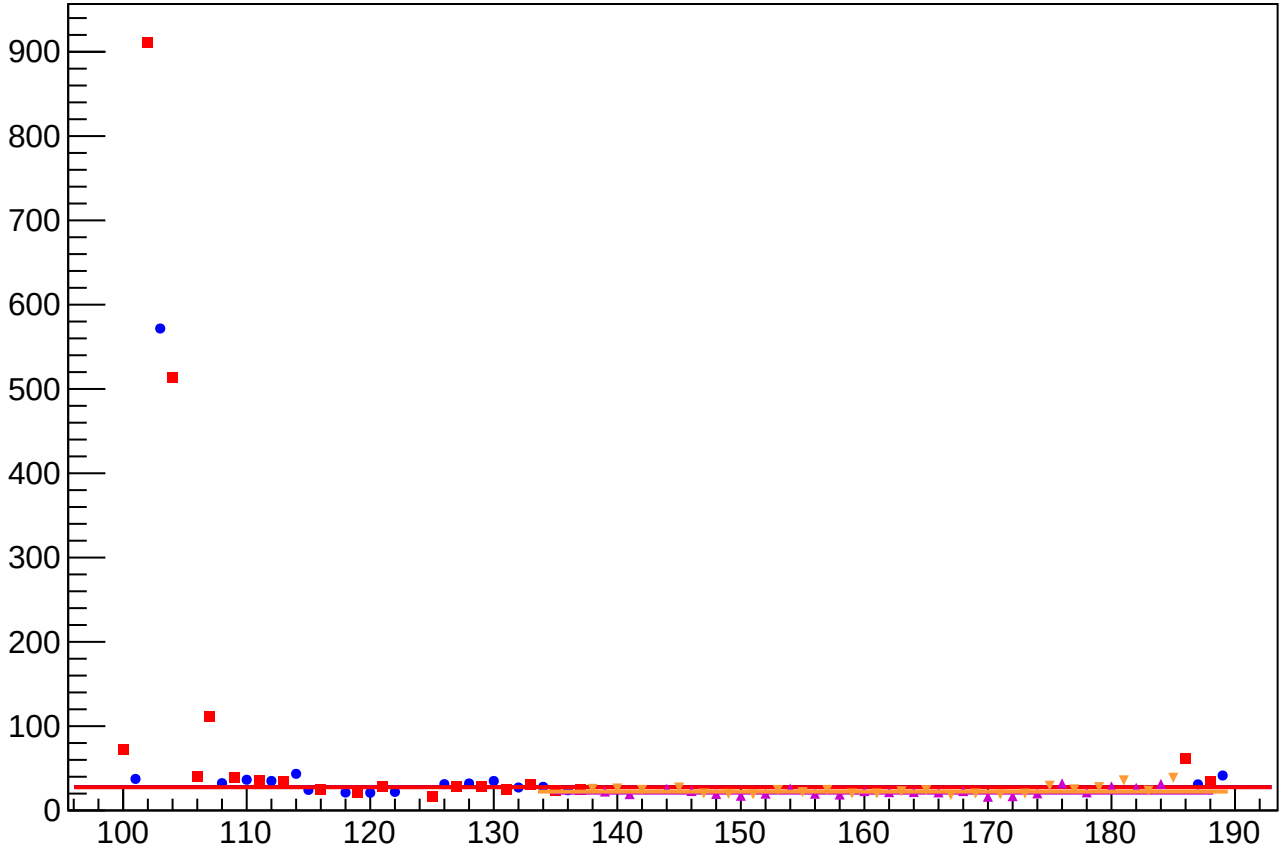
Right: -0.011+/-0.008 χ^2/NDF: 32.8/37

In: -0.004+/-0.005 χ^2/NDF:33.1/40

Out: -0.003+/-0.005 χ^2/NDF:32.1/43

All: -0.004+/-0.004 χ^2/NDF: 65.2/84

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.789+/-0.008 χ^2/NDF: 1658961.6/17

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 27.600+/-0.008 χ^2/NDF: 2932119.1/19

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

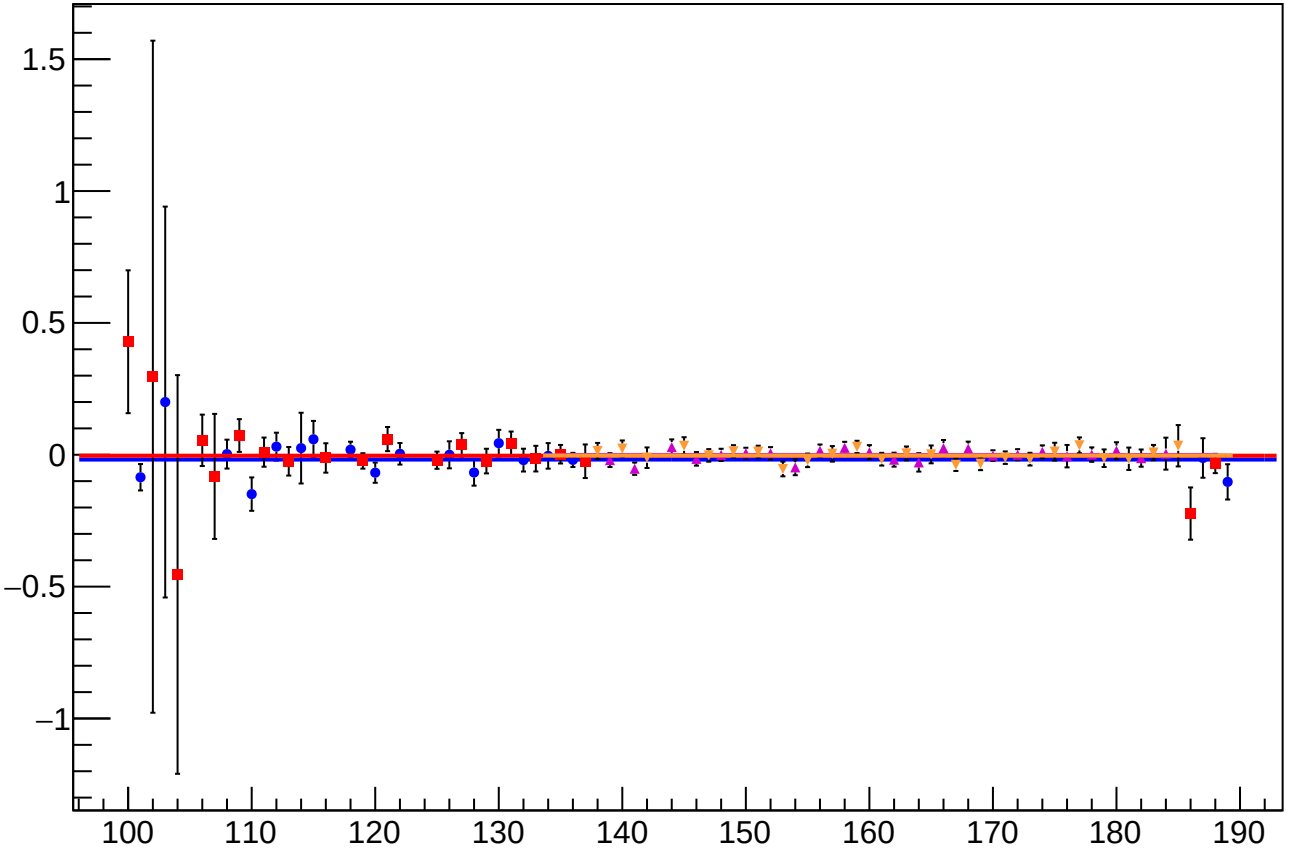
Right: 27.695+/-0.006 χ^2/NDF: 4591360.0/37

In: 22.375+/-0.003 χ^2/NDF:3049461.2/40

Out: 23.408+/-0.004 χ^2/NDF:4089846.2/43

All: 22.874+/-0.002 χ^2/NDF: 7181980.5/84

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.011 χ^2/NDF: 16.3/17

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

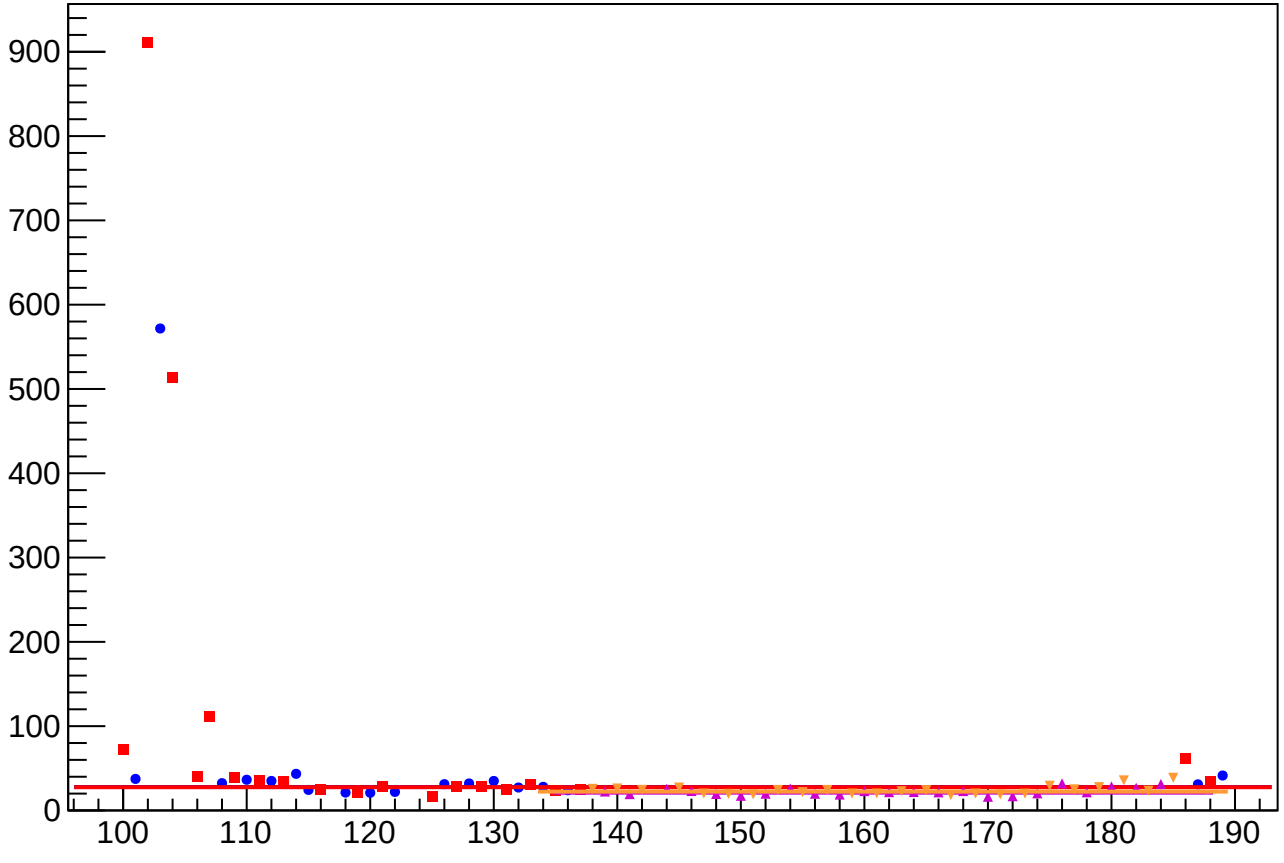
Right: -0.011+/-0.008 χ^2/NDF: 32.8/37

In: -0.004+/-0.005 χ^2/NDF:33.1/40

Out: -0.003+/-0.005 χ^2/NDF:32.1/43

All: -0.004+/-0.004 χ^2/NDF: 65.2/84

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.789+/-0.008 χ^2/NDF: 1658961.6/17

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 27.600+/-0.008 χ^2/NDF: 2932119.1/19

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

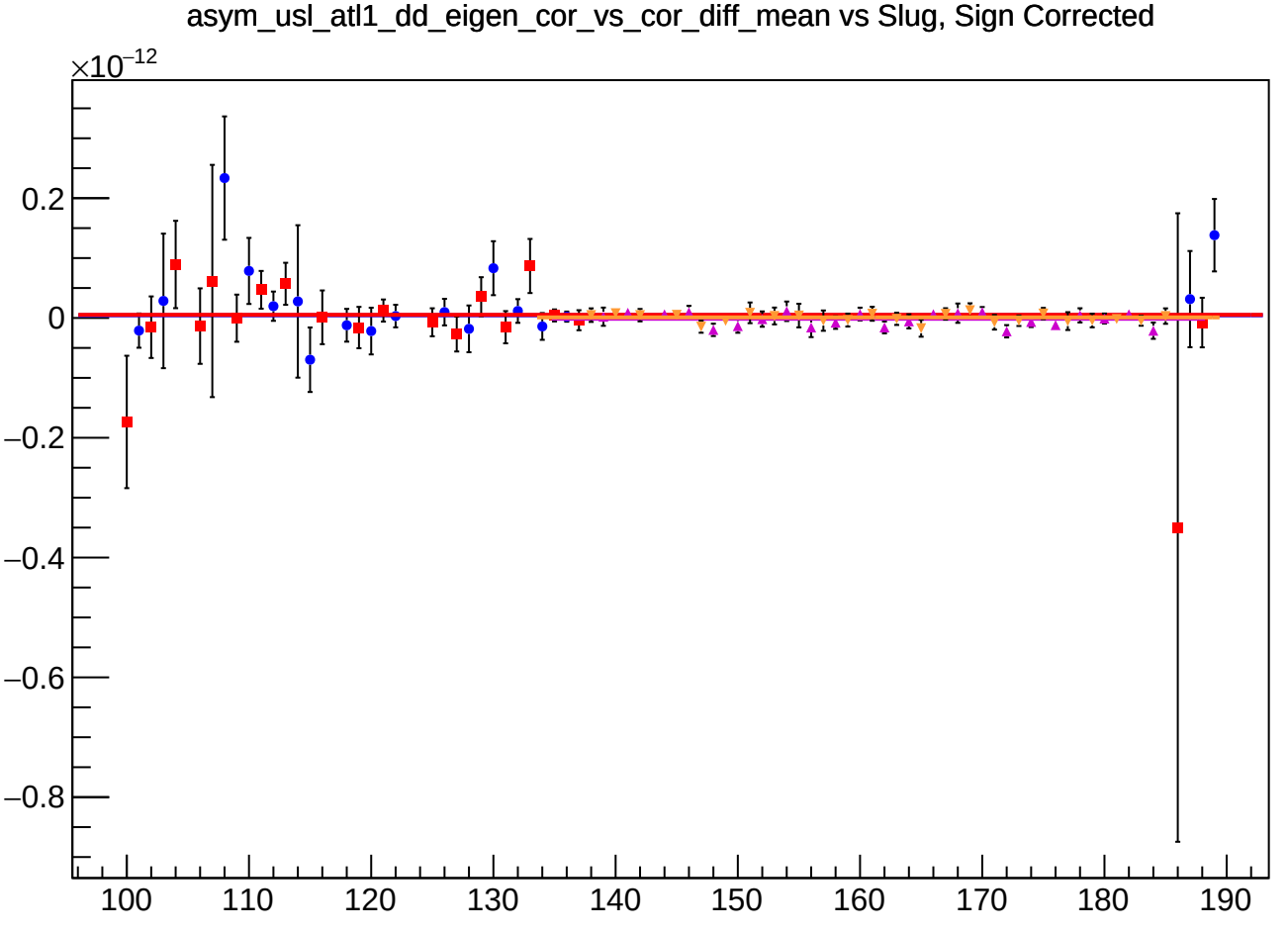
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 27.695+/-0.006 χ^2/NDF: 4591360.0/37

In: 22.375+/-0.003 χ^2/NDF:3049461.2/40

Out: 23.408+/-0.004 χ^2/NDF:4089846.2/43

All: 22.874+/-0.002 χ^2/NDF: 7181980.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/19

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

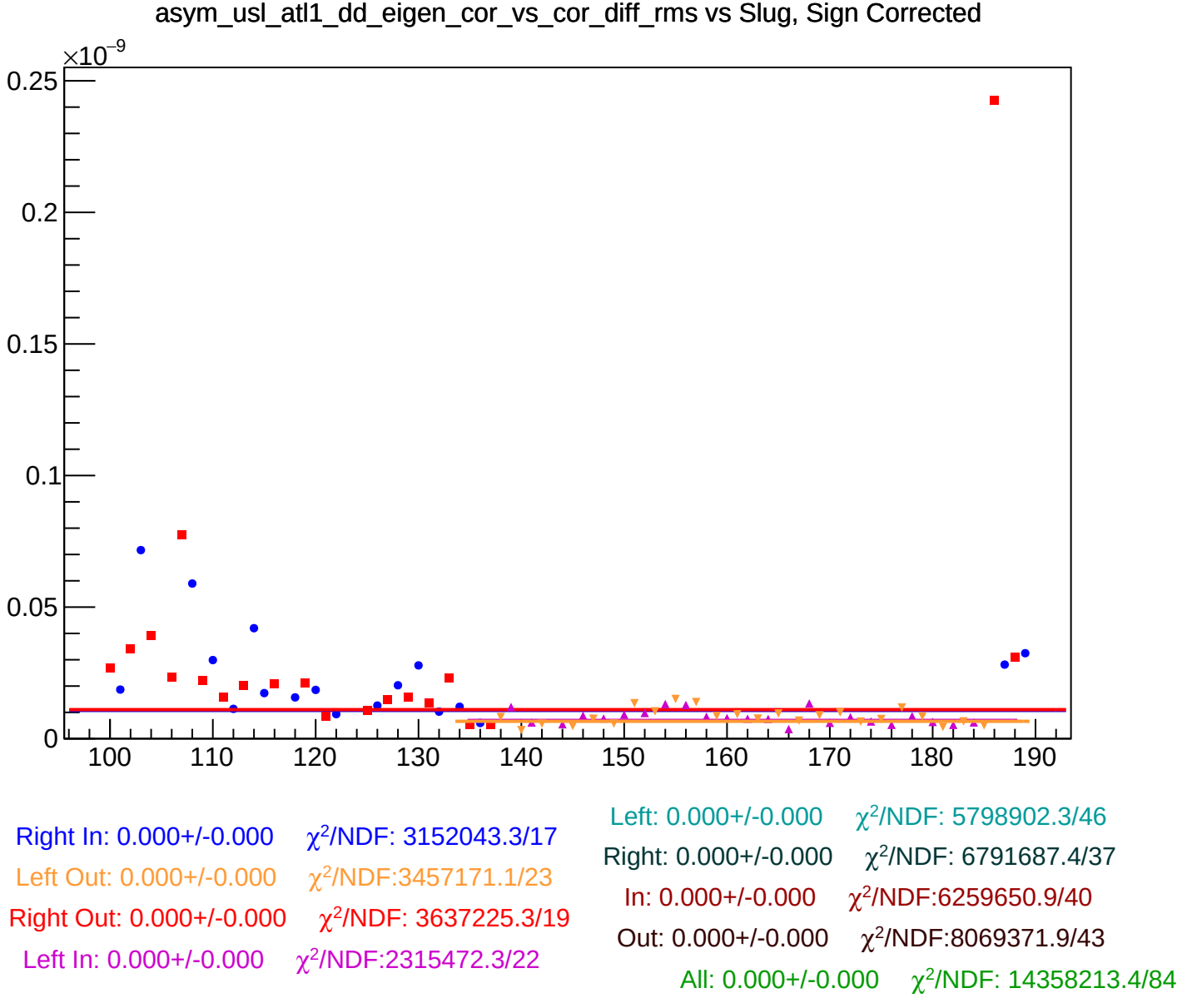
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

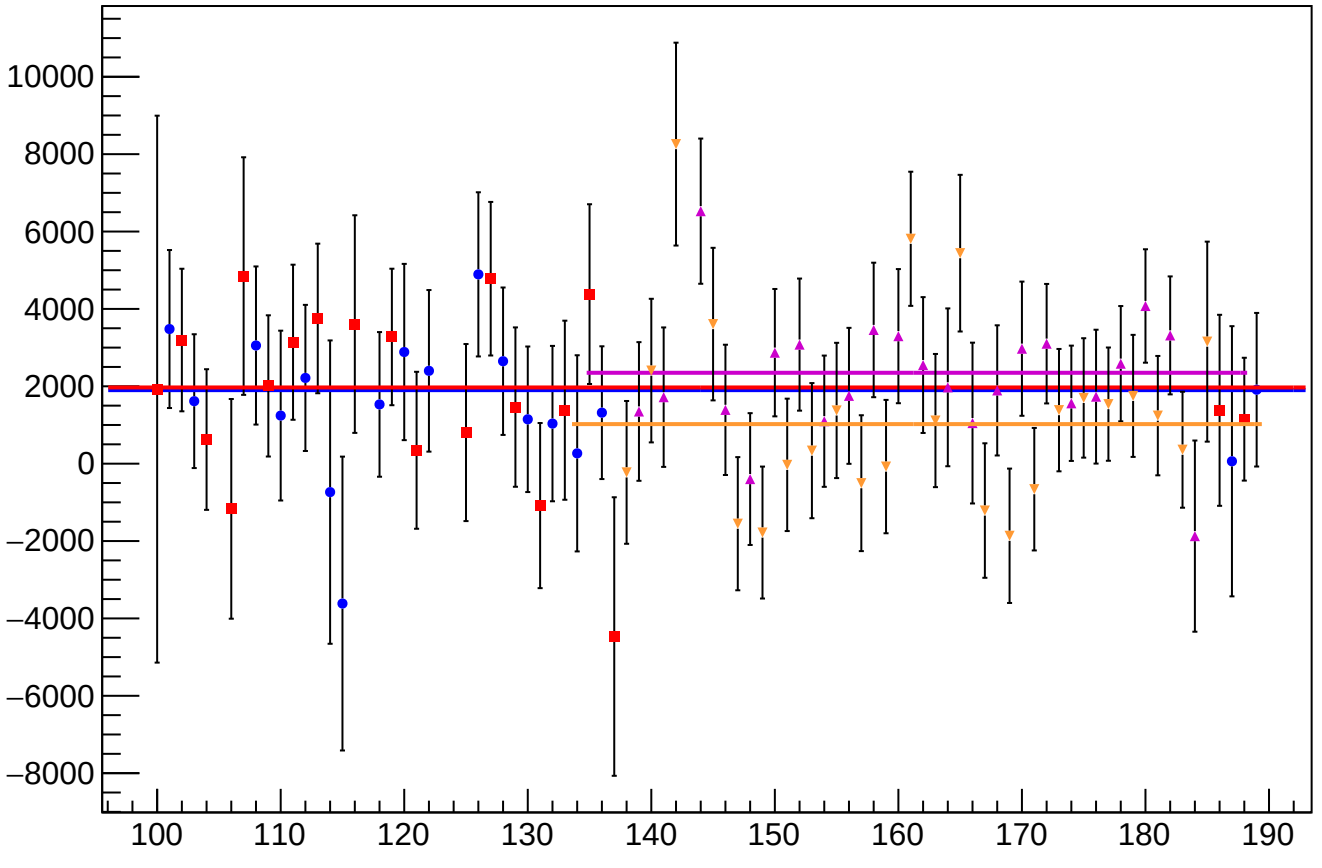
Right: 0.000+/-0.000 χ^2/NDF: 35.9/37

In: -0.000+/-0.000 χ^2/NDF:46.8/40

Out: 0.000+/-0.000 χ^2/NDF:27.9/43

All: 0.000+/-0.000 χ^2/NDF: 75.2/84


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3152043.3/17
Left Out: 0.000+/-0.000 χ²/NDF:3457171.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 3637225.3/19
Left In: 0.000+/-0.000 χ²/NDF:2315472.3/22
Left: 0.000+/-0.000 χ²/NDF: 5798902.3/46
Right: 0.000+/-0.000 χ²/NDF: 6791687.4/37
In: 0.000+/-0.000 χ²/NDF:6259650.9/40
Out: 0.000+/-0.000 χ²/NDF:8069371.9/43
All: 0.000+/-0.000 χ²/NDF: 14358213.4/84



Right In: 1900.604+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 1969.928+/-484.216 χ^2/NDF: 14.8/19

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

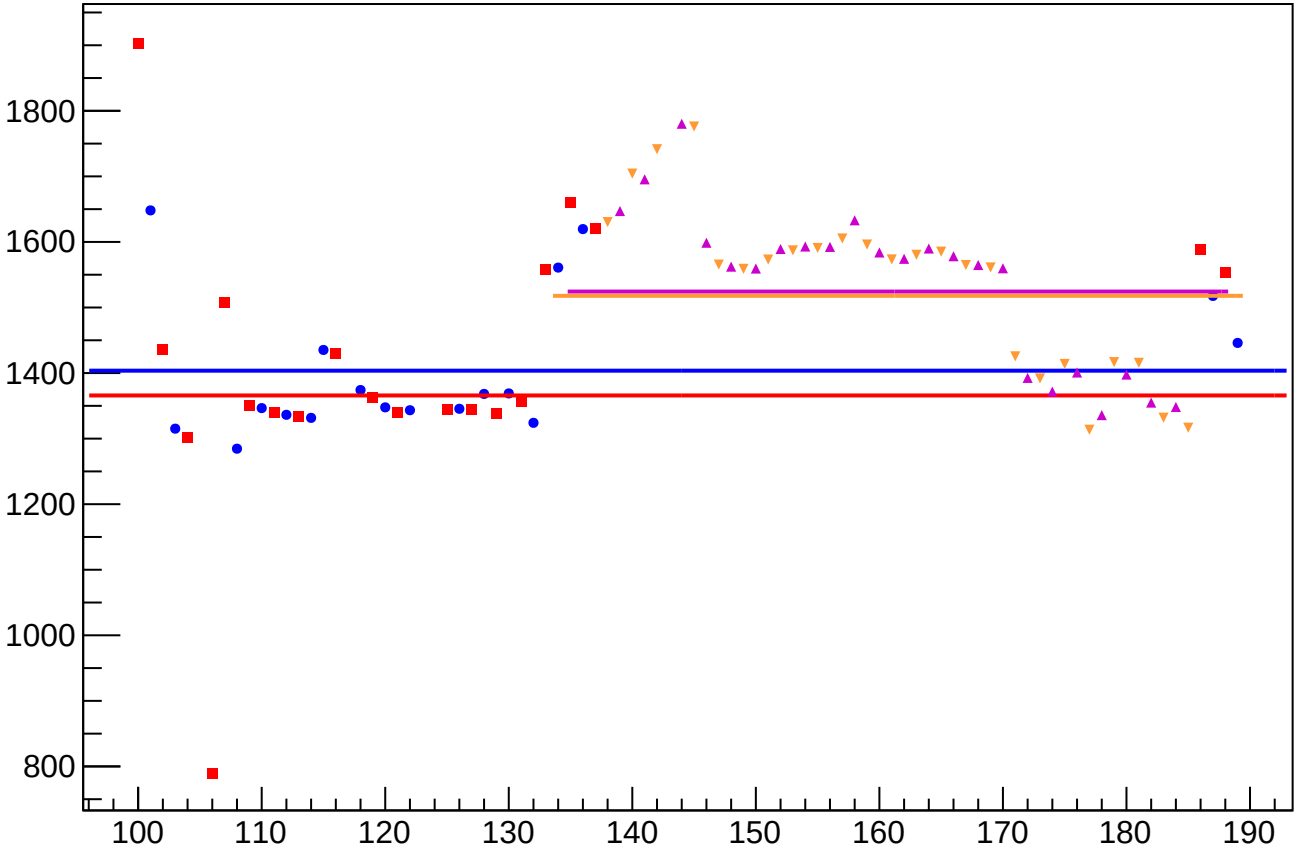
Right: 1936.363+/-347.770 χ^2/NDF: 22.1/37

In: 2197.600+/-290.539 χ^2/NDF:23.7/40

Out: 1351.910+/-285.489 χ^2/NDF:53.8/43

All: 1767.343+/-203.633 χ^2/NDF: 81.8/84

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.2/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1365.845+/-0.333 χ^2/NDF: 367894.9/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

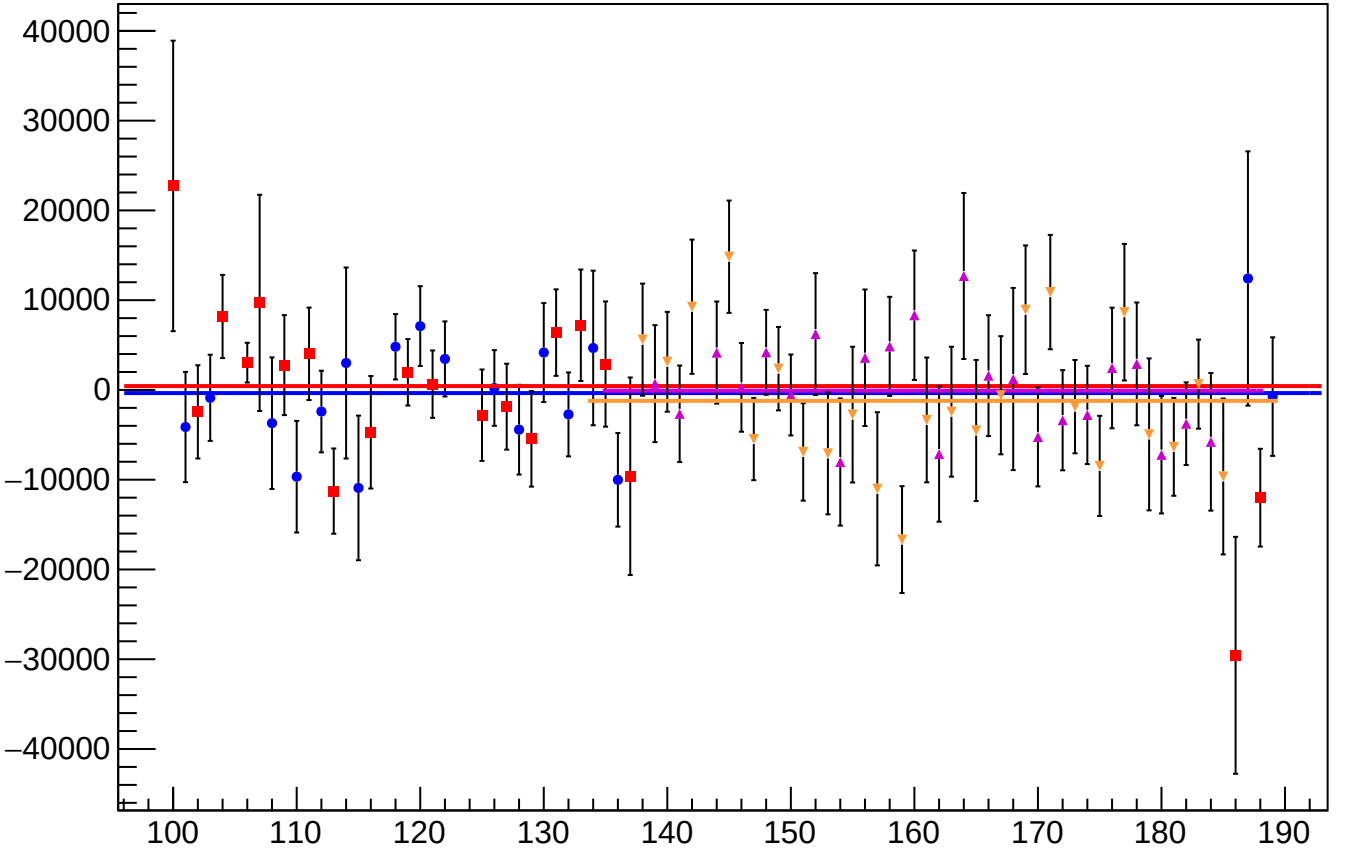
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1383.622+/-0.242 χ^2/NDF: 471138.0/37

In: 1483.535+/-0.205 χ^2/NDF:398699.1/40

Out: 1463.061+/-0.200 χ^2/NDF:735059.7/43

All: 1473.018+/-0.143 χ^2/NDF: 1138860.3/84



Right In: -349.384+/-1266.570 χ^2/NDF: 16.7/17

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 430.248+/-1093.184 χ^2/NDF: 30.5/19

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

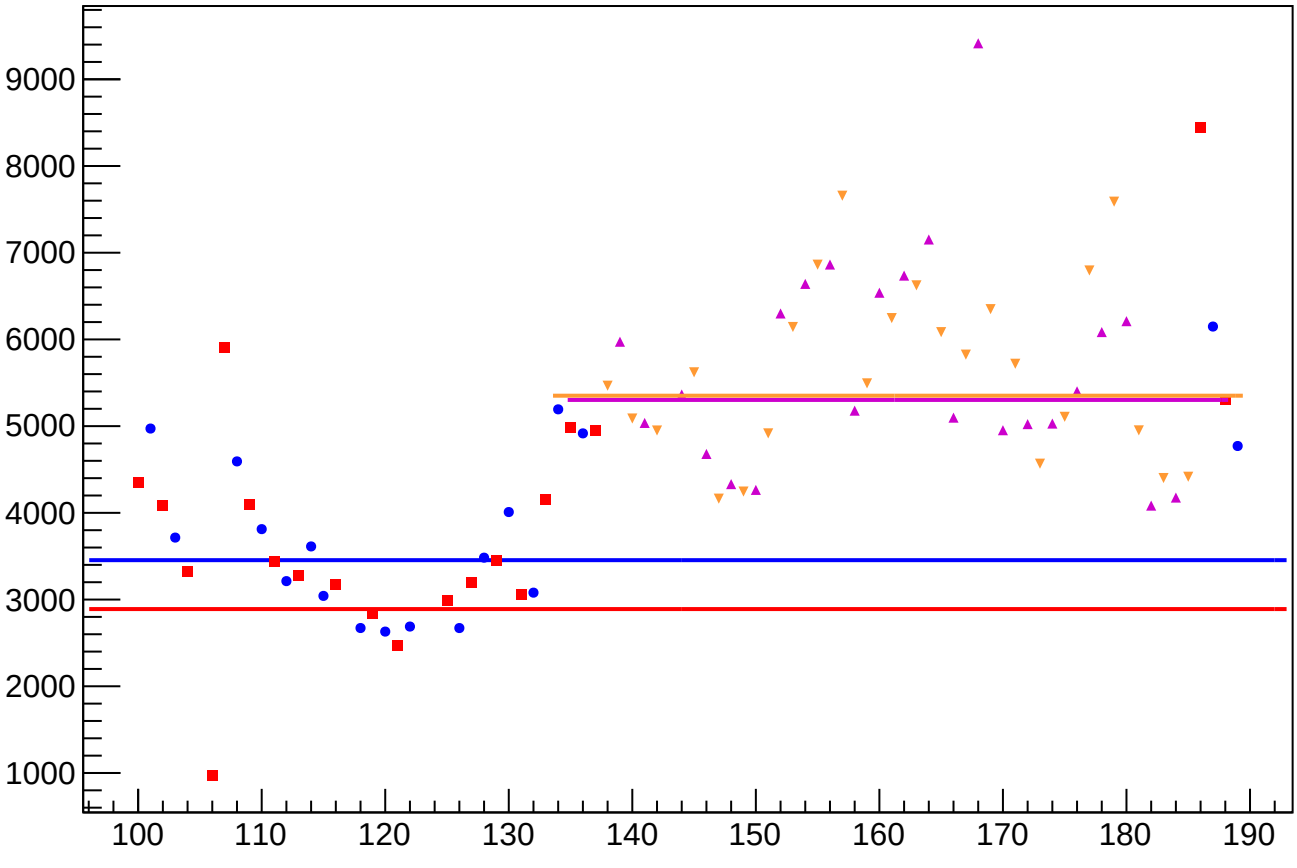
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

Right: 97.409+/-827.564 χ^2/NDF: 47.4/37

In: -214.844+/-894.806 χ^2/NDF:29.9/40

Out: -269.706+/-828.050 χ^2/NDF:64.7/43

All: -244.397+/-607.751 χ^2/NDF: 94.6/84



Right In: 3454.365+/-0.896 χ^2/NDF: 915381.8/17

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 2890.378+/-0.773 χ^2/NDF: 3043837.9/19

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

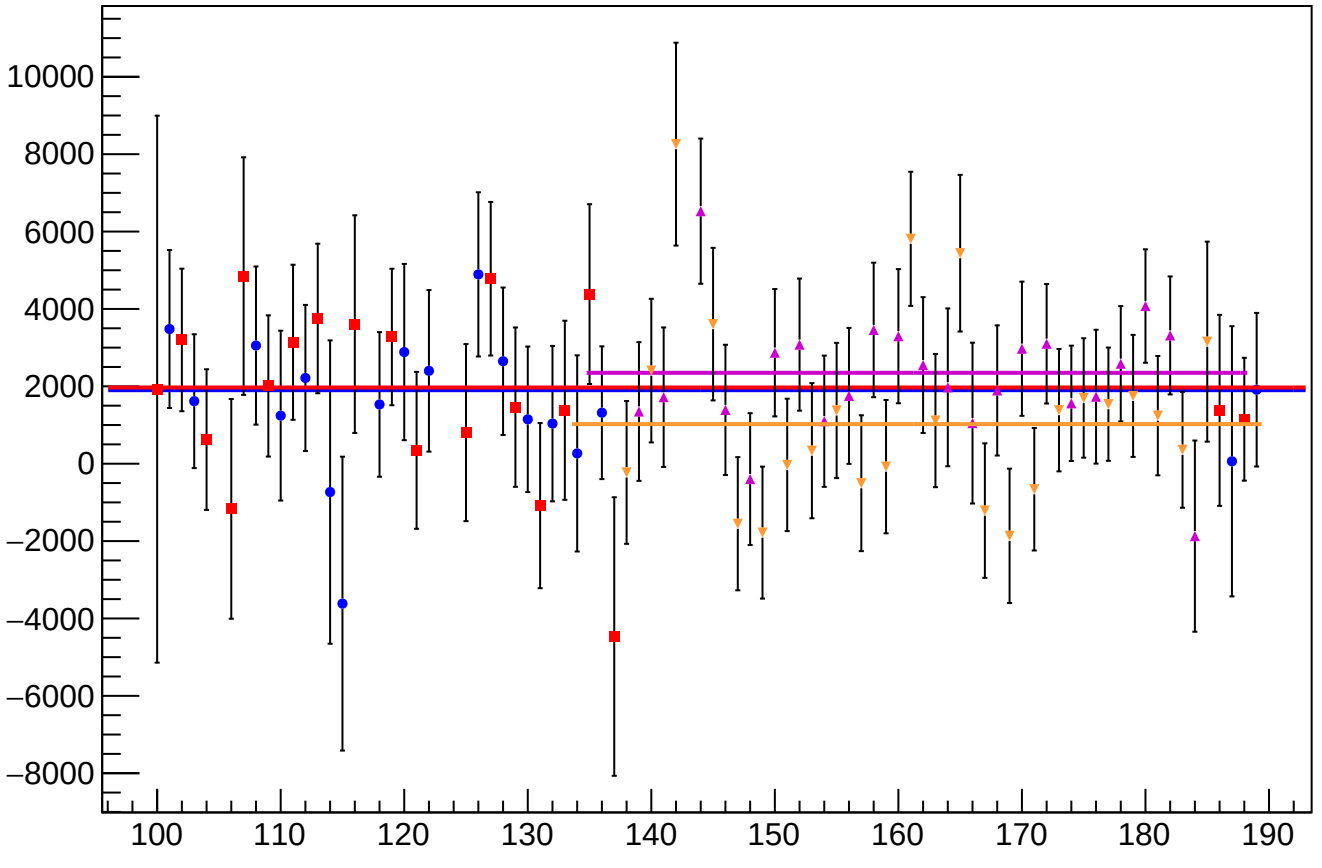
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 3131.154+/-0.585 χ^2/NDF: 4186481.2/37

In: 4379.913+/-0.633 χ^2/NDF:4303900.4/40

Out: 3939.258+/-0.586 χ^2/NDF:8429416.2/43

All: 4142.537+/-0.430 χ^2/NDF: 12994597.2/8



Right In: 1900.694+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1970.117+/-484.218 χ^2/NDF: 14.9/19

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

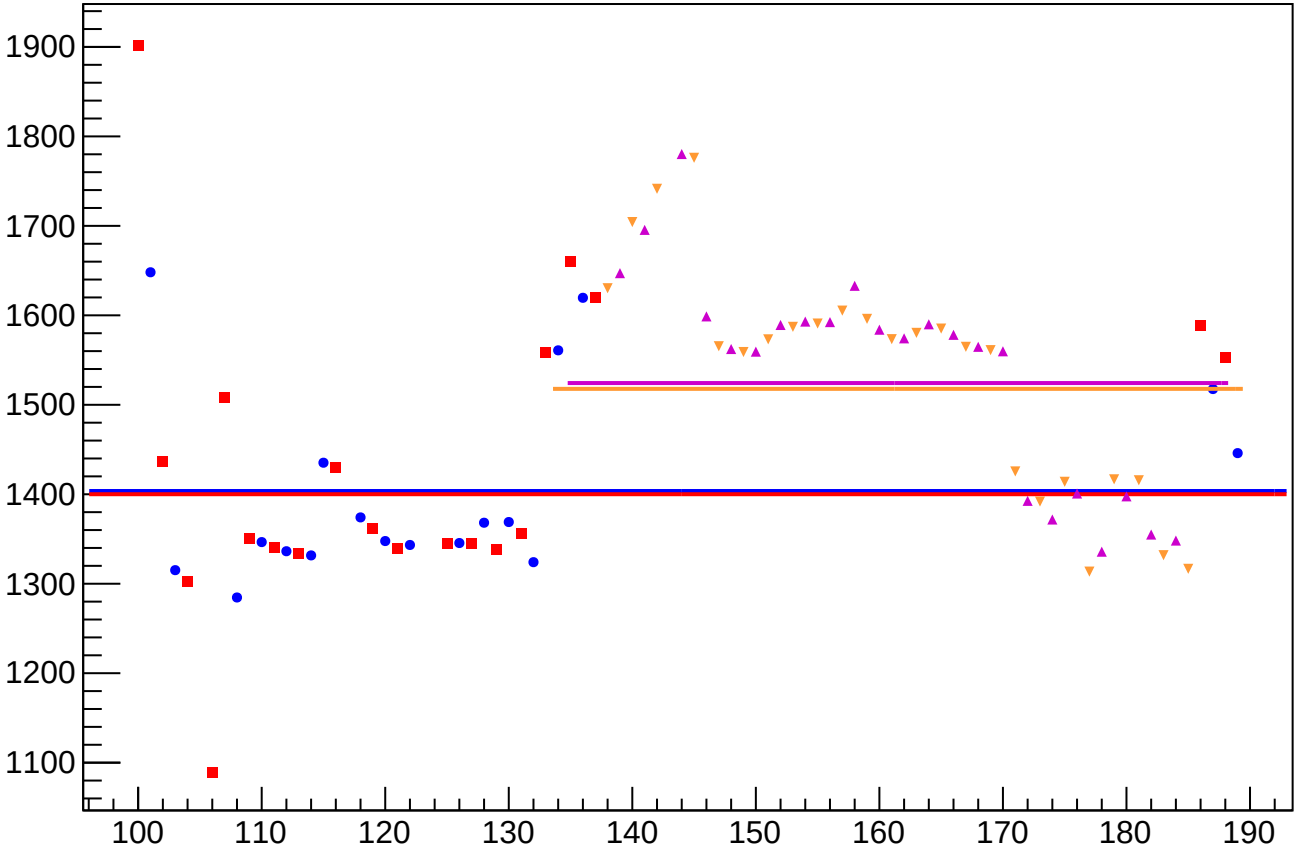
Right: 1936.504+/-347.771 χ^2/NDF: 22.1/37

In: 2197.628+/-290.539 χ^2/NDF:23.7/40

Out: 1351.993+/-285.490 χ^2/NDF:53.8/43

All: 1767.400+/-203.633 χ^2/NDF: 81.8/84

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.1/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.055+/-0.338 χ^2/NDF: 148534.5/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

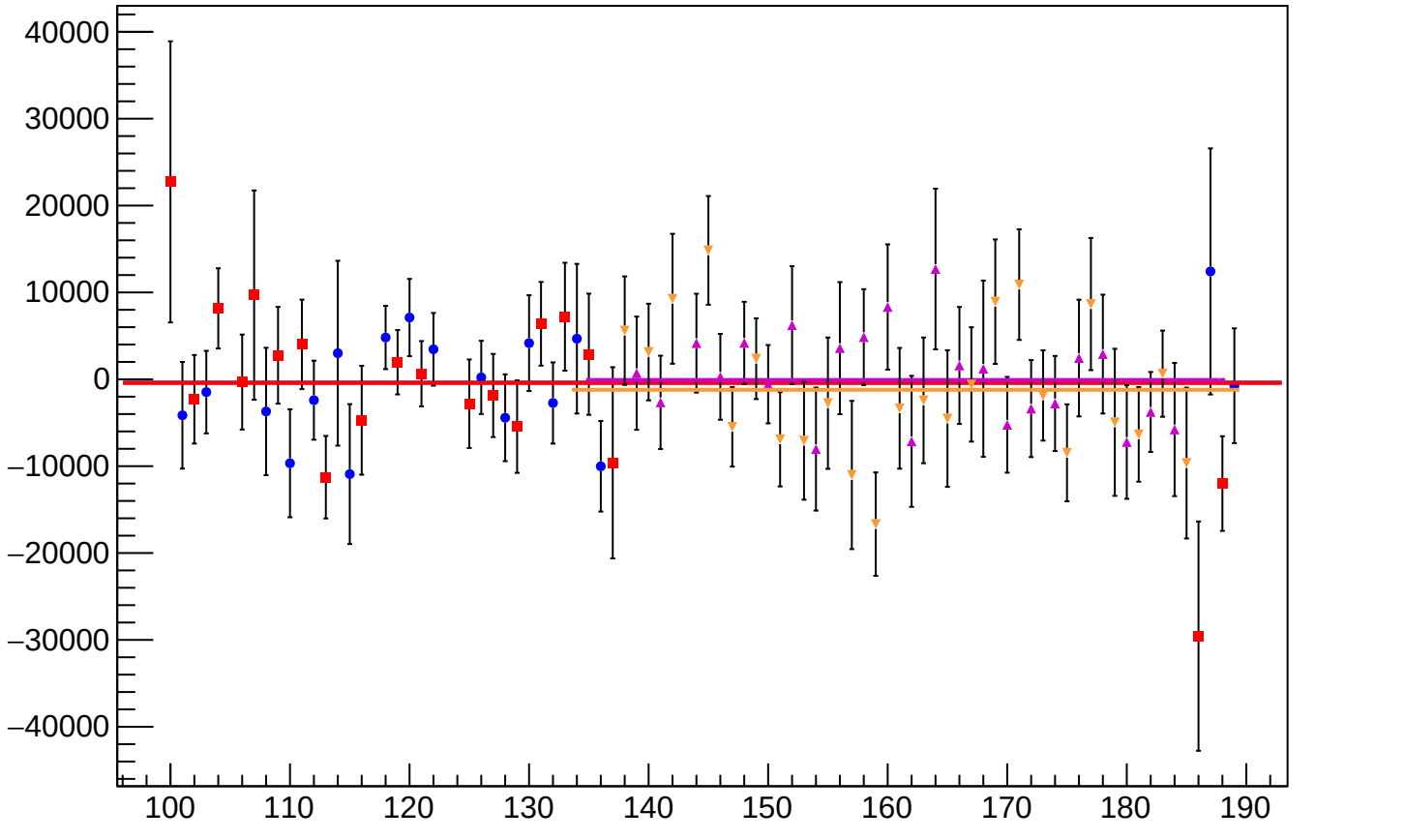
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1401.770+/-0.244 χ^2/NDF: 245773.3/37

In: 1483.535+/-0.205 χ^2/NDF:398699.2/40

Out: 1476.256+/-0.201 χ^2/NDF:460838.9/43

All: 1479.817+/-0.144 χ^2/NDF: 860179.3/84



Right In: -392.890+/-1265.650 χ^2/NDF: 16.8/17

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -399.703+/-1223.520 χ^2/NDF: 28.6/19

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

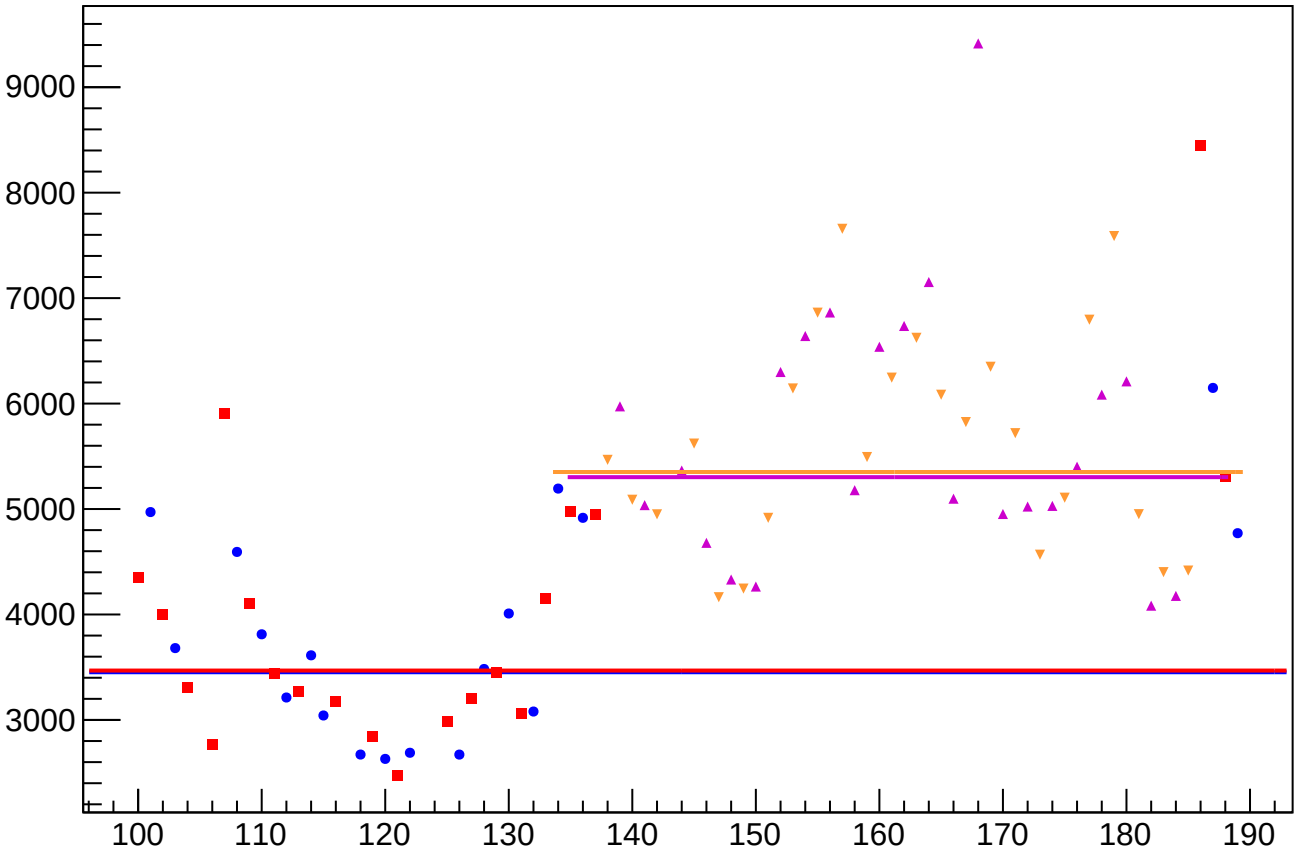
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -396.411+/-879.676 χ^2/NDF: 45.4/37

In: -236.626+/-894.481 χ^2/NDF:30.0/40

Out: -791.200+/-880.570 χ^2/NDF:62.1/43

All: -518.258+/-627.517 χ^2/NDF: 92.3/84



Right In: 3452.341+/-0.895 χ^2/NDF: 913933.8/17

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3468.329+/-0.865 χ^2/NDF: 1081534.0/19

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

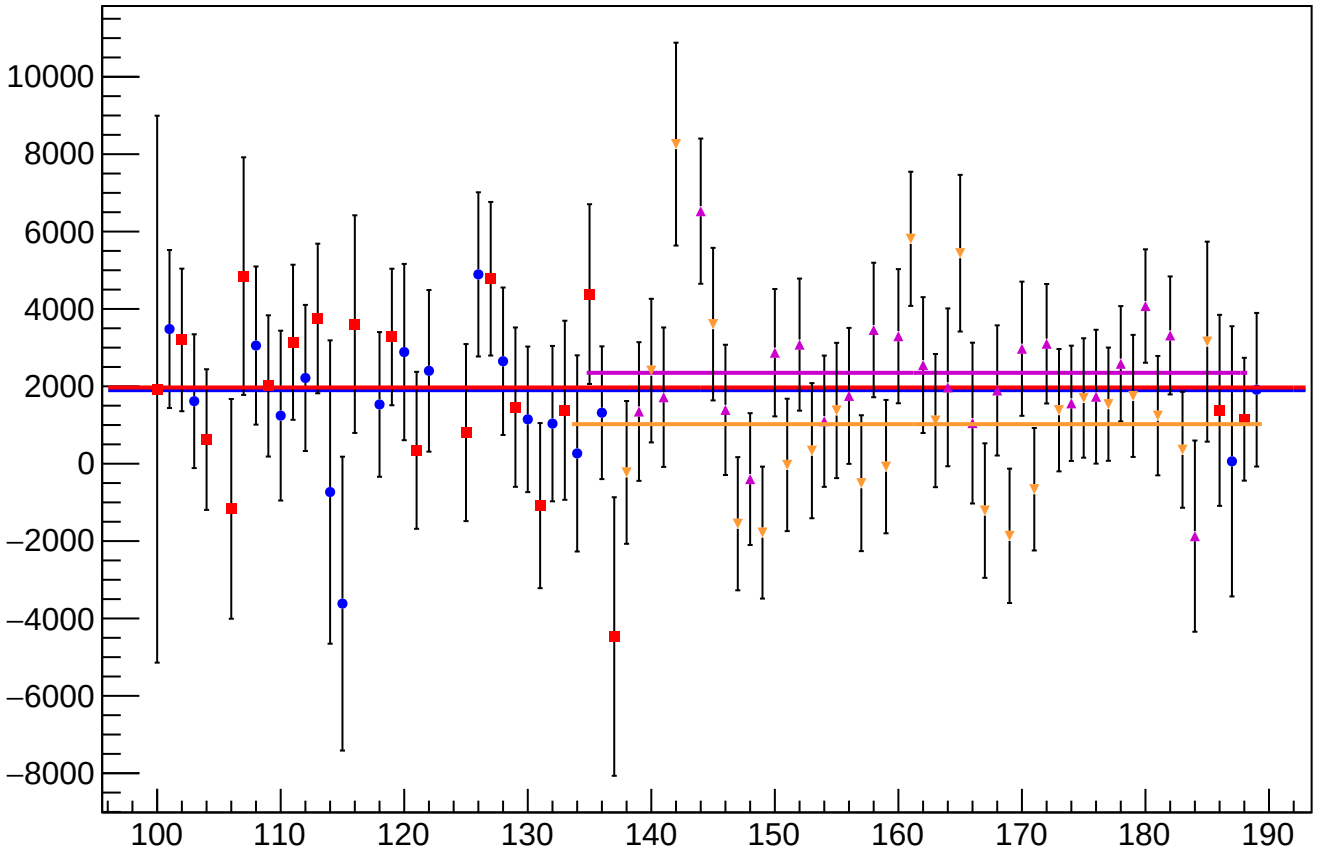
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3460.606+/-0.622 χ^2/NDF: 1995632.7/37

In: 4378.228+/-0.632 χ^2/NDF:4308681.1/40

Out: 4375.893+/-0.623 χ^2/NDF:4430492.0/43

All: 4377.042+/-0.444 χ^2/NDF: 8739180.1/84



Right In: 1900.694+/-499.795 χ^2/NDF: 7.2/17

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1970.117+/-484.218 χ^2/NDF: 14.9/19

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

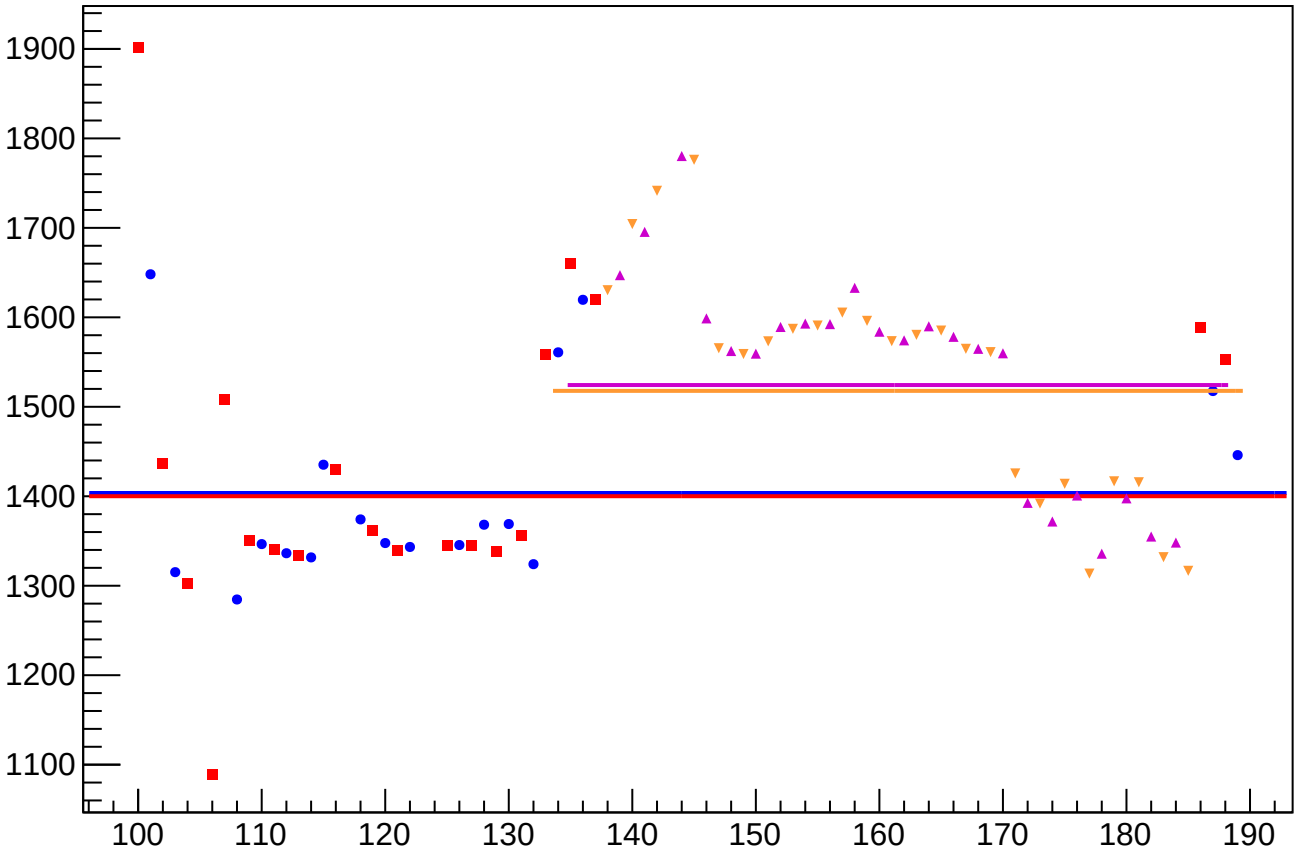
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 1936.504+/-347.771 χ^2/NDF: 22.1/37

In: 2197.628+/-290.539 χ^2/NDF:23.7/40

Out: 1351.993+/-285.490 χ^2/NDF:53.8/43

All: 1767.400+/-203.633 χ^2/NDF: 81.8/84



Right In: 1403.640+/-0.353 χ^2/NDF: 97185.1/17

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.055+/-0.338 χ^2/NDF: 148534.5/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

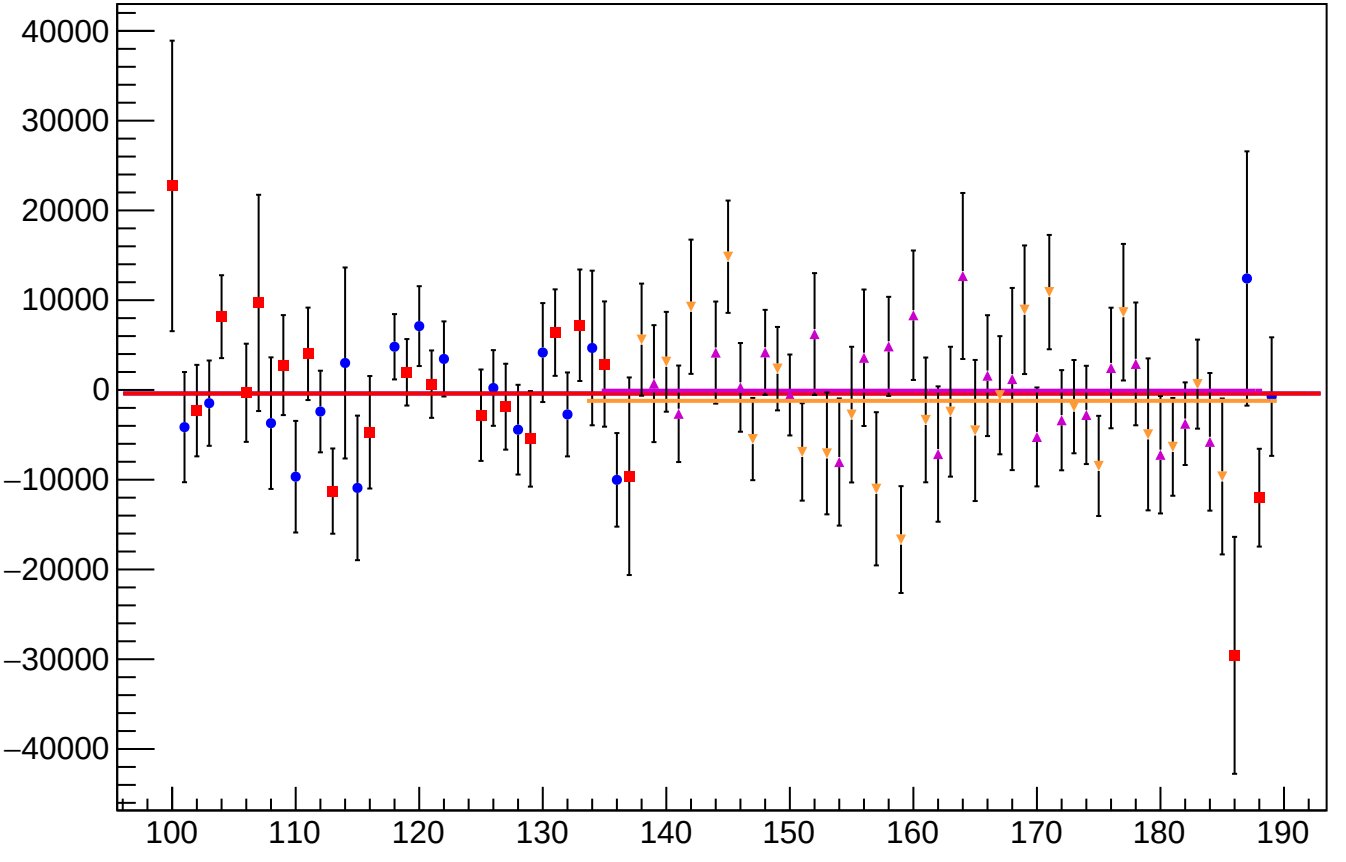
Right: 1401.770+/-0.244 χ^2/NDF: 245773.3/37

In: 1483.535+/-0.205 χ^2/NDF:398699.2/40

Out: 1476.256+/-0.201 χ^2/NDF:460838.9/43

All: 1479.817+/-0.144 χ^2/NDF: 860179.3/84

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -392.890+/-1265.650 χ^2/NDF: 16.8/17

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -399.703+/-1223.520 χ^2/NDF: 28.6/19

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

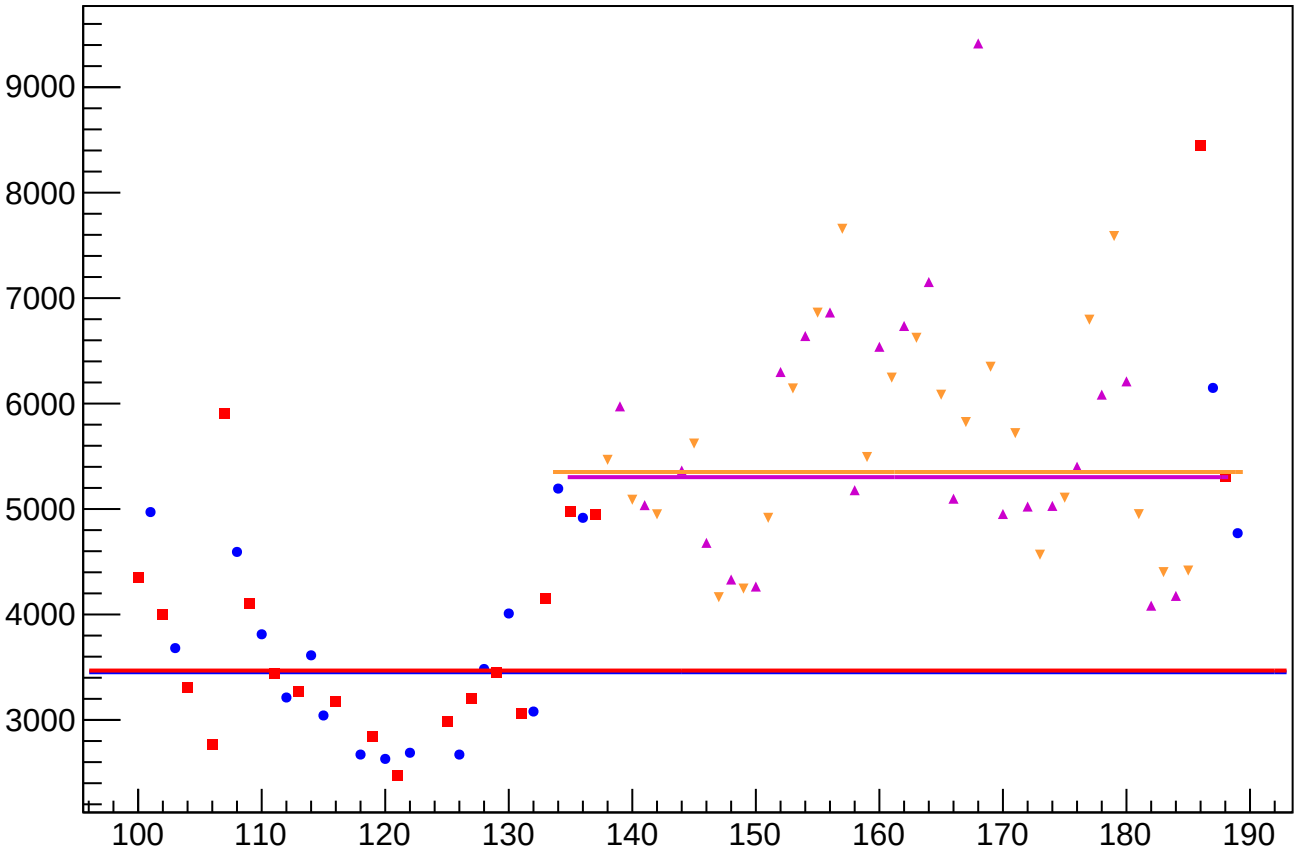
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -396.411+/-879.676 χ^2/NDF: 45.4/37

In: -236.626+/-894.481 χ^2/NDF:30.0/40

Out: -791.200+/-880.570 χ^2/NDF:62.1/43

All: -518.258+/-627.517 χ^2/NDF: 92.3/84



Right In: 3452.341+/-0.895 χ^2/NDF: 913933.8/17

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3468.329+/-0.865 χ^2/NDF: 1081534.0/19

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

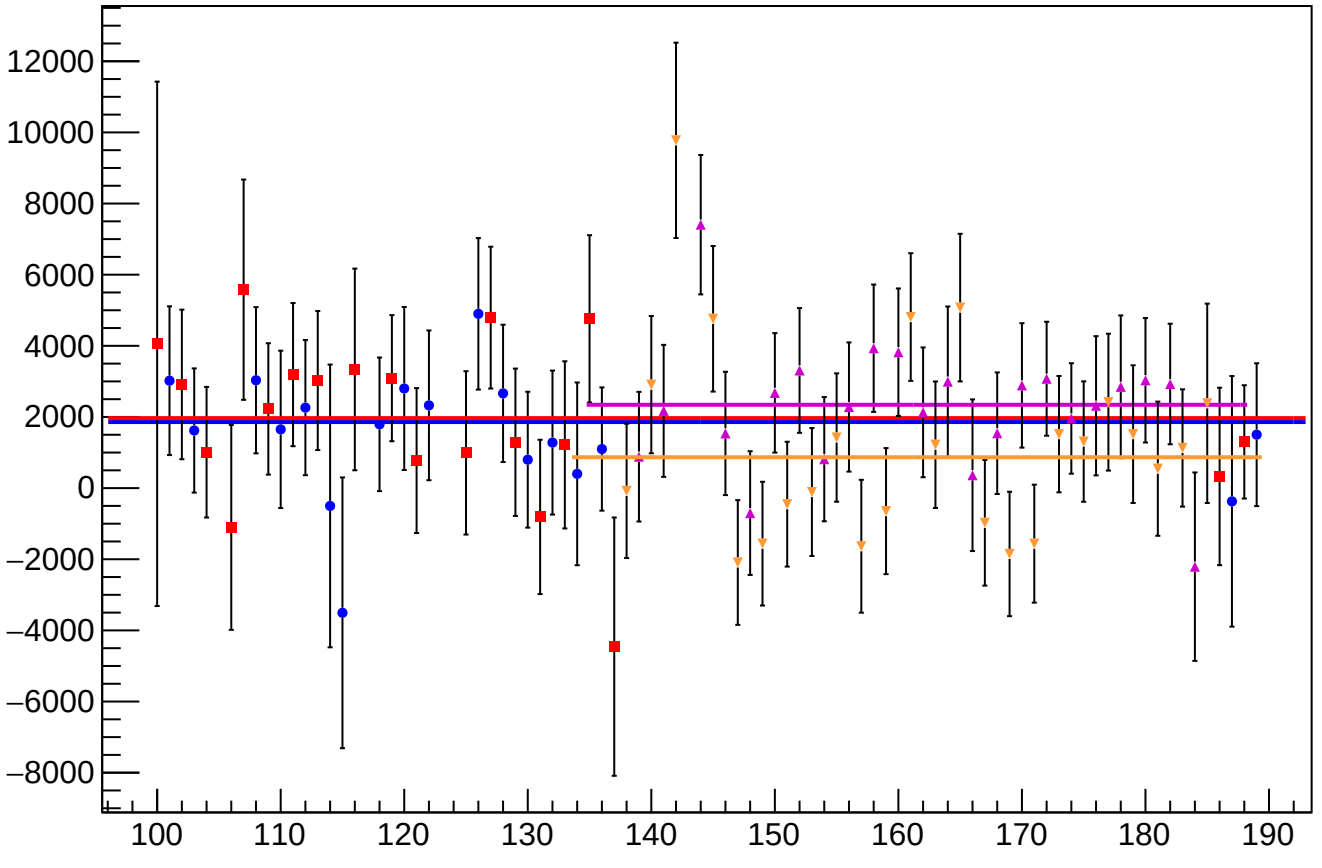
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3460.606+/-0.622 χ^2/NDF: 1995632.7/37

In: 4378.228+/-0.632 χ^2/NDF:4308681.1/40

Out: 4375.893+/-0.623 χ^2/NDF:4430492.0/43

All: 4377.042+/-0.444 χ^2/NDF: 8739180.1/84



Right In: 1857.118+/-504.595 χ^2/NDF: 6.8/17

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 1967.816+/-491.995 χ^2/NDF: 13.9/19

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

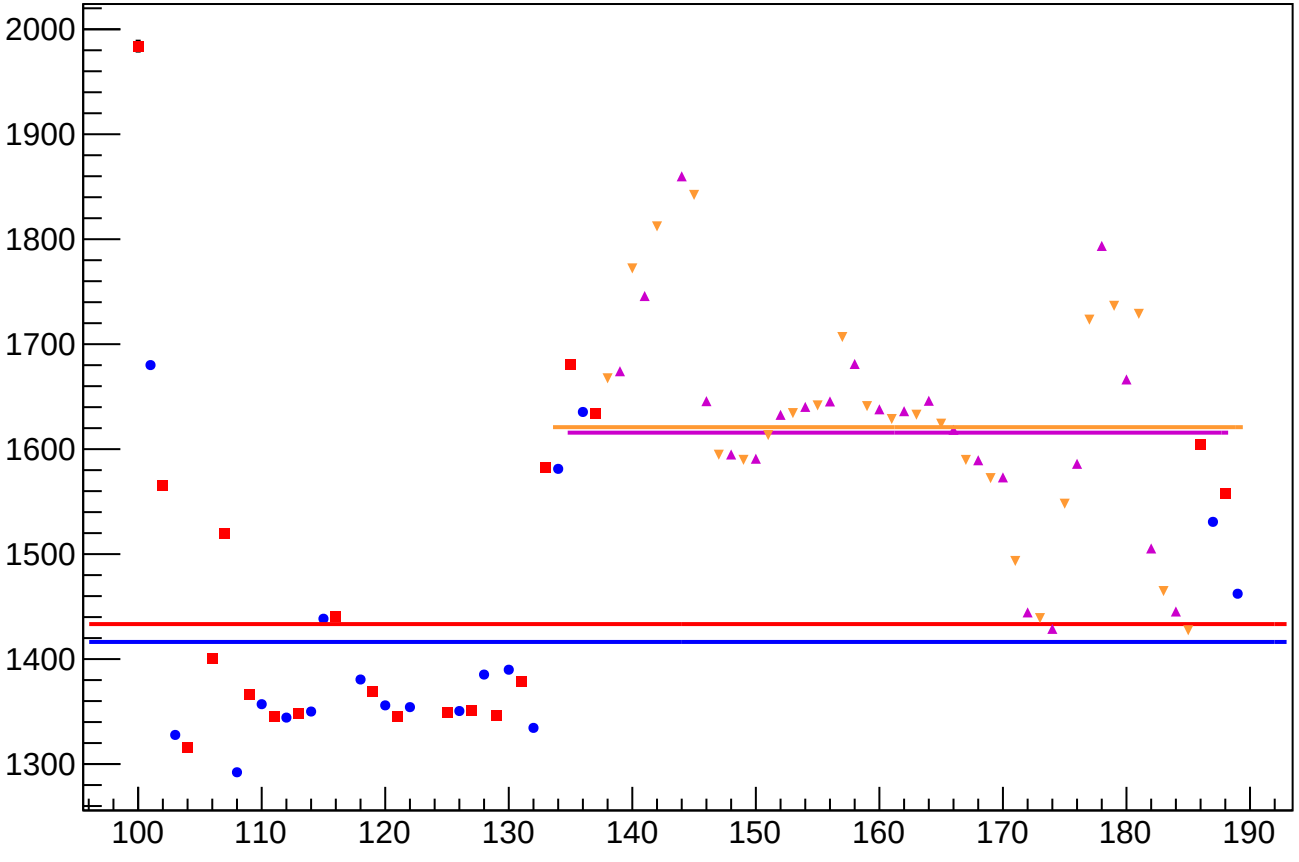
Right: 1913.866+/-352.263 χ^2/NDF: 20.7/37

In: 2167.833+/-302.587 χ^2/NDF:25.4/40

Out: 1275.378+/-299.337 χ^2/NDF:56.8/43

All: 1716.788+/-212.803 χ^2/NDF: 86.6/84

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1416.324+/-0.357 χ^2/NDF: 102543.0/17

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1433.346+/-0.347 χ^2/NDF: 114590.4/19

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

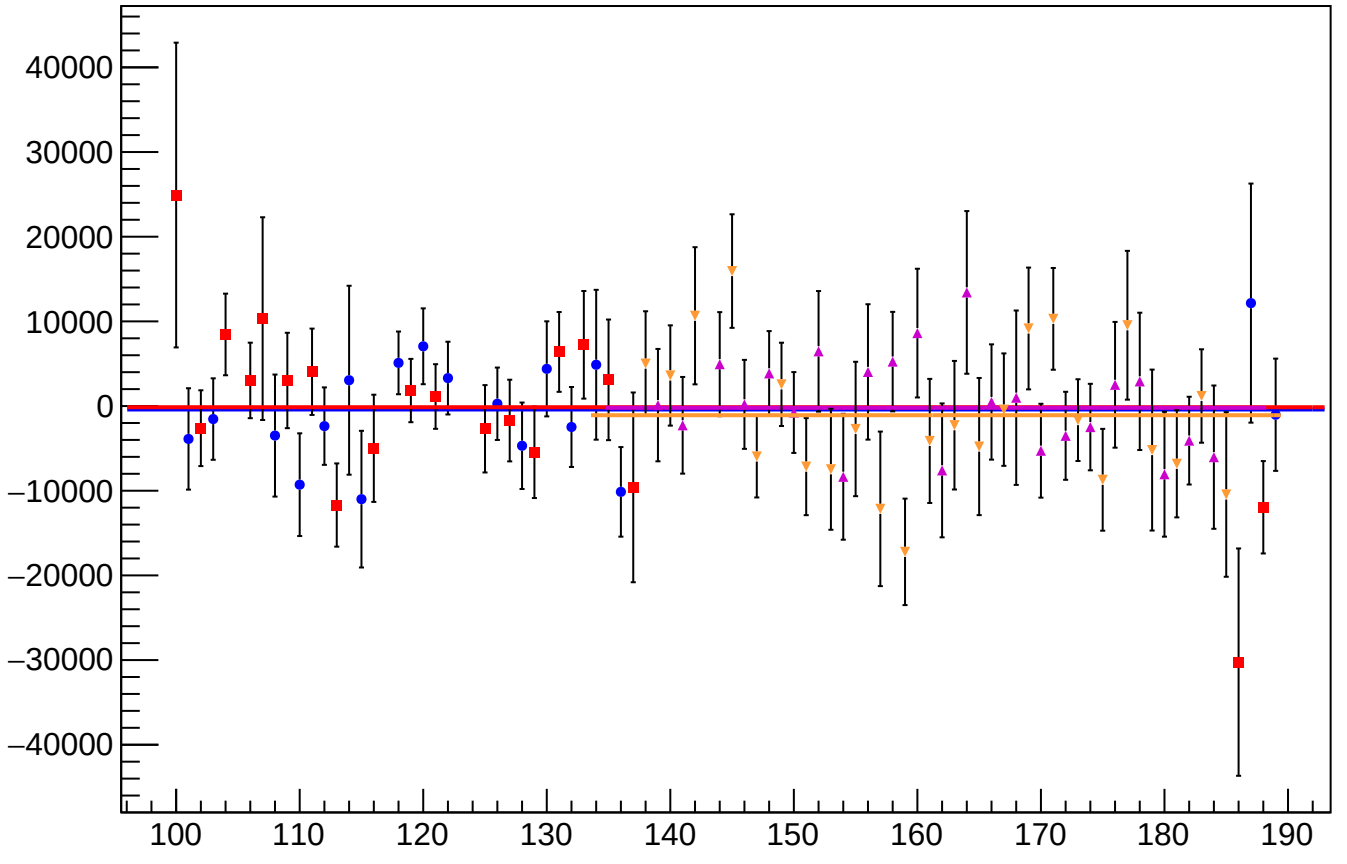
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1425.070+/-0.249 χ^2/NDF: 218302.7/37

In: 1544.008+/-0.214 χ^2/NDF:439651.9/40

Out: 1551.299+/-0.211 χ^2/NDF:440254.8/43

All: 1547.696+/-0.150 χ^2/NDF: 880494.1/84



Right In: -405.672+/-1278.626 χ^2/NDF: 16.6/17

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -138.112+/-1211.549 χ^2/NDF: 29.4/19

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

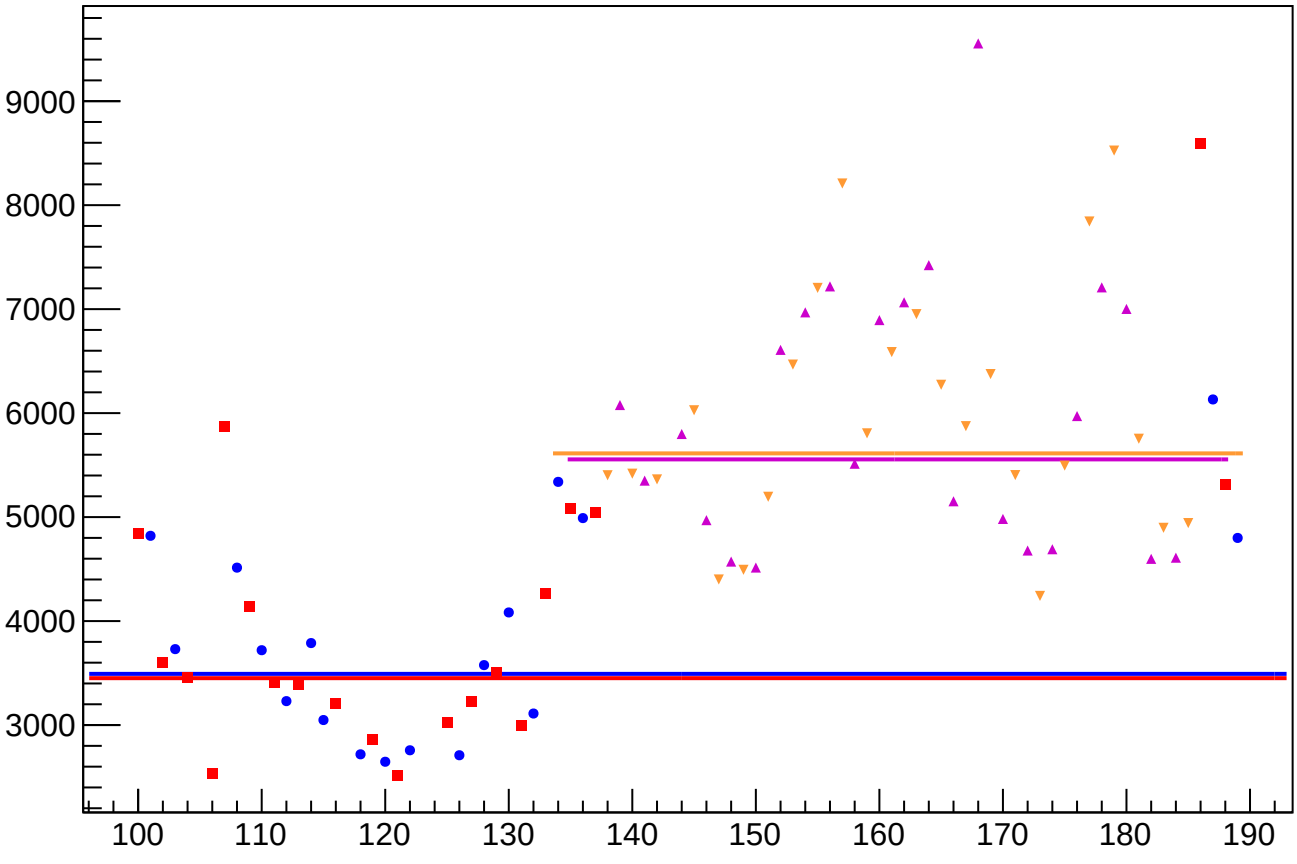
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -264.690+/-879.452 χ^2/NDF: 46.1/37

In: -307.390+/-920.476 χ^2/NDF:29.5/40

Out: -565.421+/-896.382 χ^2/NDF:62.6/43

All: -439.827+/-642.187 χ^2/NDF: 92.2/84



Right In: 3492.350+/-0.904 χ^2/NDF: 875255.8/17

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3450.932+/-0.857 χ^2/NDF: 1123804.1/19

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

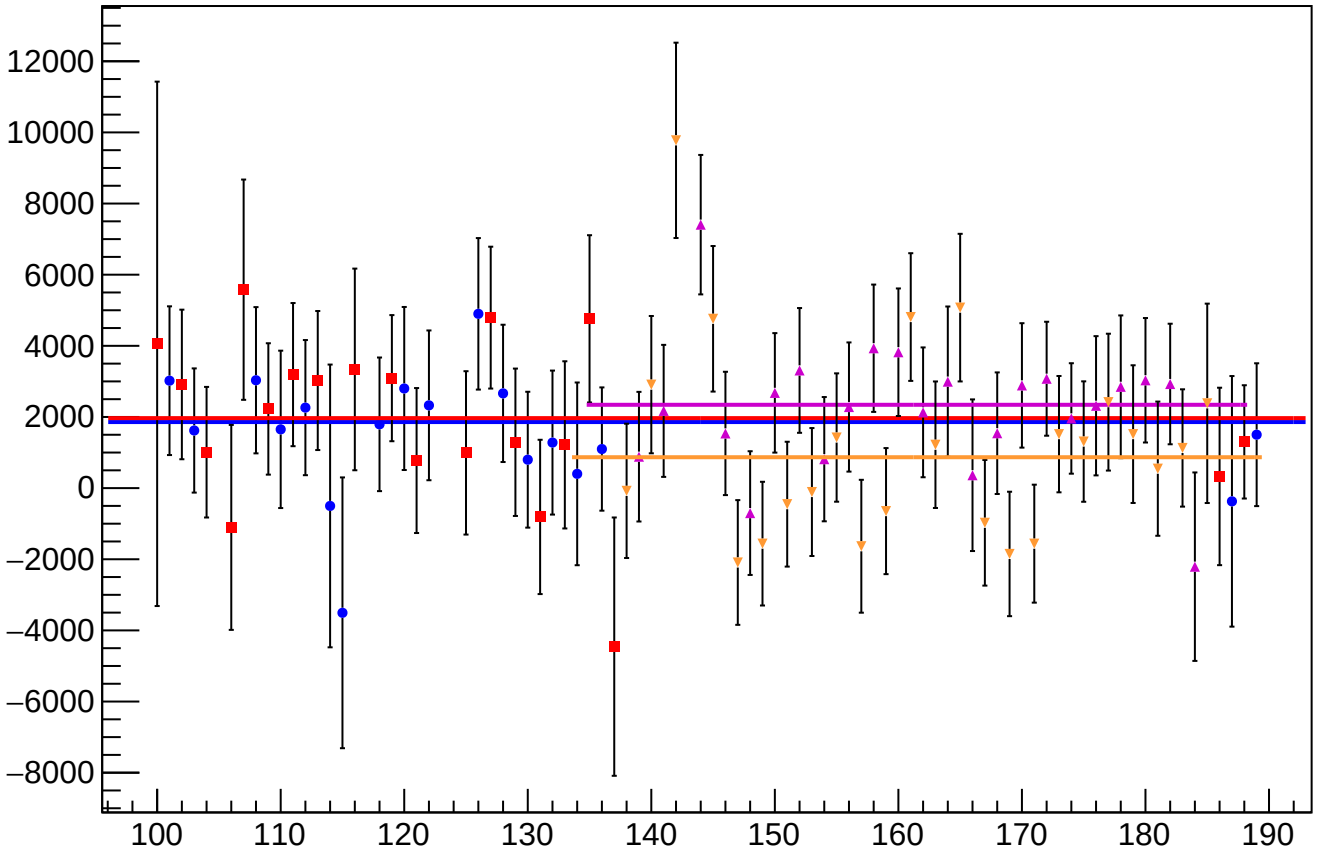
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3470.526+/-0.622 χ^2/NDF: 2000165.7/37

In: 4486.001+/-0.651 χ^2/NDF:4715415.2/40

Out: 4429.363+/-0.634 χ^2/NDF:5193919.1/43

All: 4456.931+/-0.454 χ^2/NDF: 9913220.8/84



Right In: 1857.120+/-504.595 χ^2/NDF: 6.8/17

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 1967.818+/-491.995 χ^2/NDF: 13.9/19

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

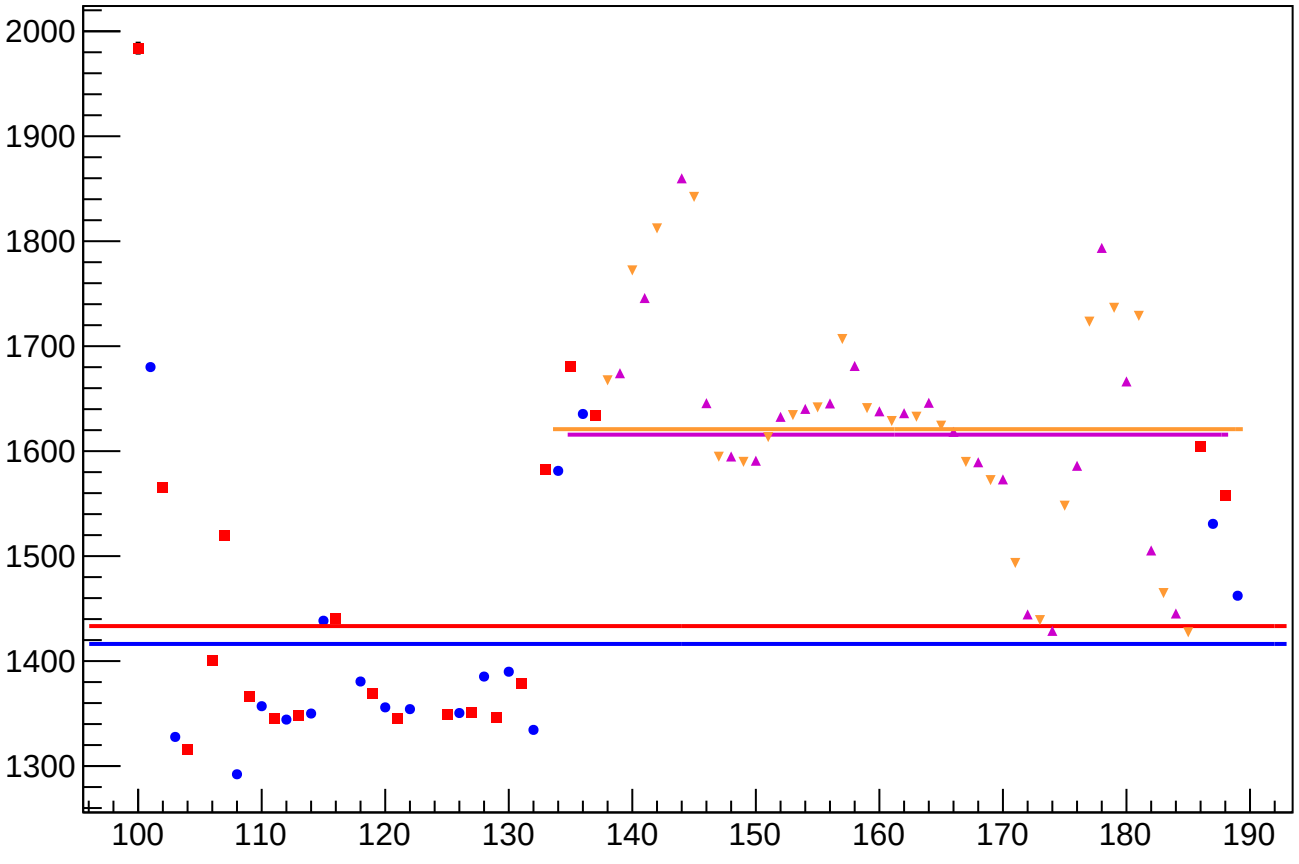
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 1913.868+/-352.263 χ^2/NDF: 20.7/37

In: 2167.833+/-302.587 χ^2/NDF:25.4/40

Out: 1275.376+/-299.337 χ^2/NDF:56.8/43

All: 1716.786+/-212.803 χ^2/NDF: 86.6/84



Right In: 1416.324+/-0.357 χ^2/NDF: 102543.0/17

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1433.346+/-0.347 χ^2/NDF: 114590.4/19

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

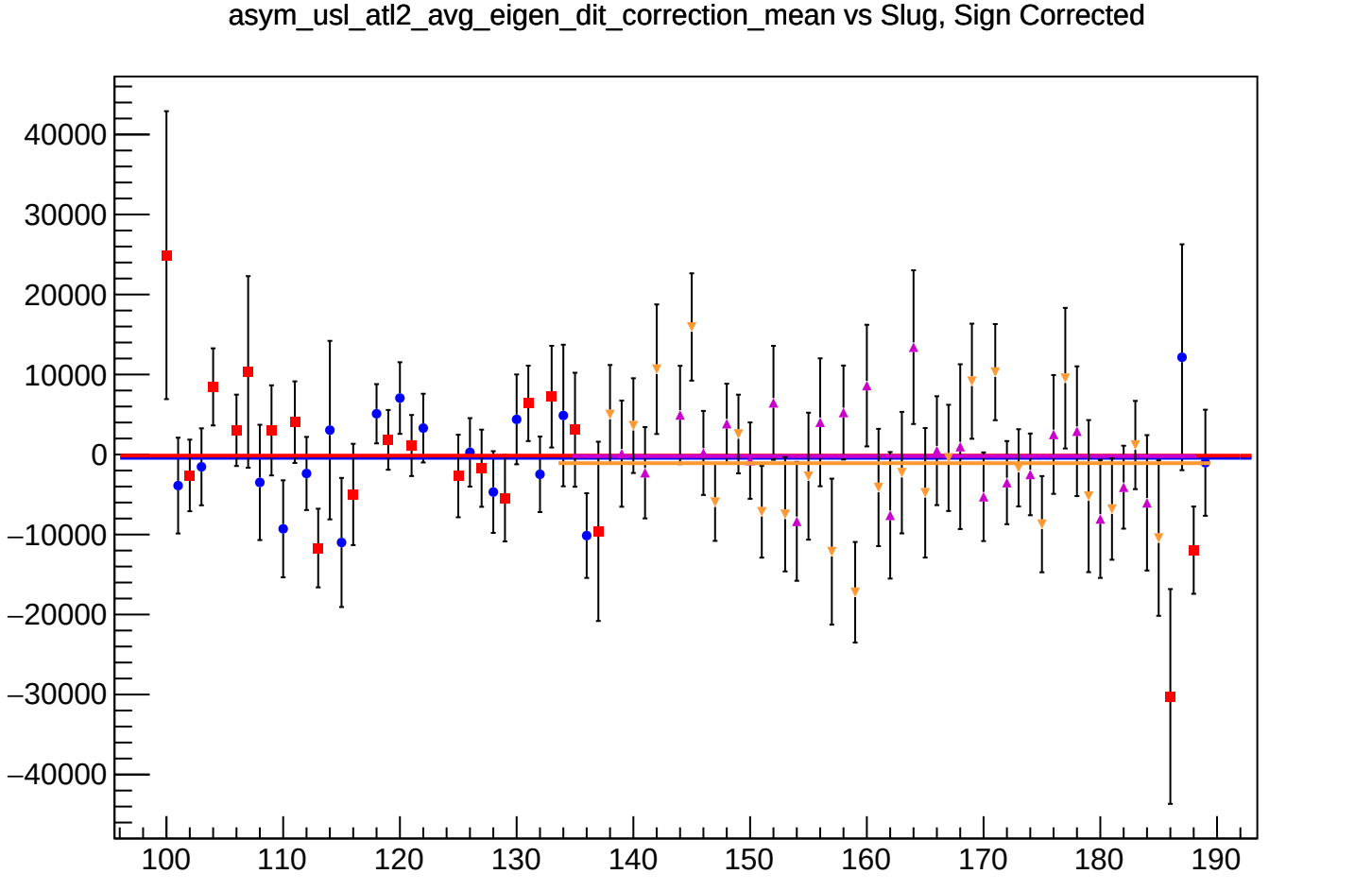
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1425.070+/-0.249 χ^2/NDF: 218302.7/37

In: 1544.009+/-0.214 χ^2/NDF:439659.0/40

Out: 1551.300+/-0.211 χ^2/NDF:440262.5/43

All: 1547.697+/-0.150 χ^2/NDF: 880508.8/84



Right In: -405.666+/-1278.623 χ^2/NDF: 16.6/17

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -138.104+/-1211.546 χ^2/NDF: 29.4/19

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

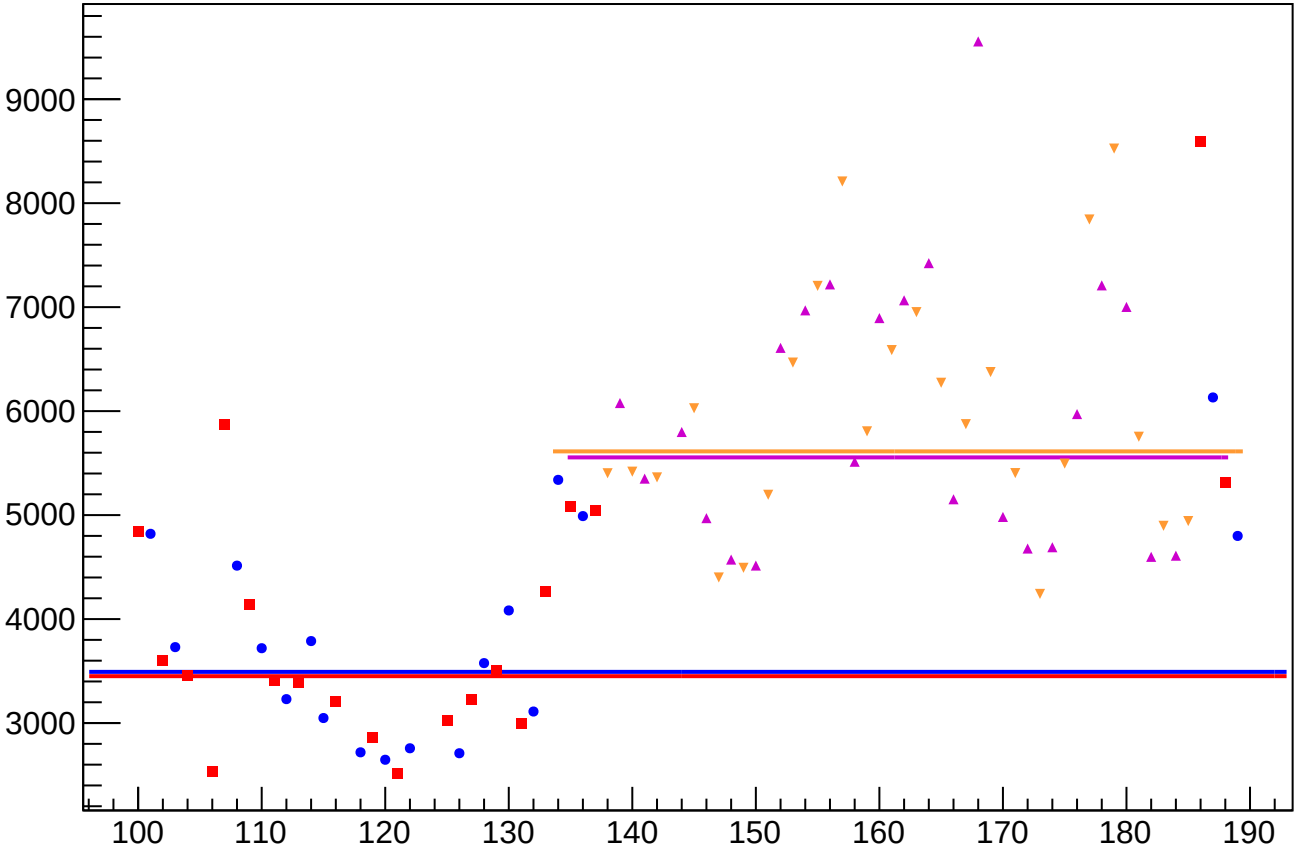
Right: -264.683+/-879.450 χ^2/NDF: 46.1/37

In: -307.387+/-920.475 χ^2/NDF:29.5/40

Out: -565.418+/-896.381 χ^2/NDF:62.6/43

All: -439.824+/-642.186 χ^2/NDF: 92.2/84

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3492.338+/-0.904 χ^2/NDF: 875266.4/17

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3450.922+/-0.857 χ^2/NDF: 1123812.4/19

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

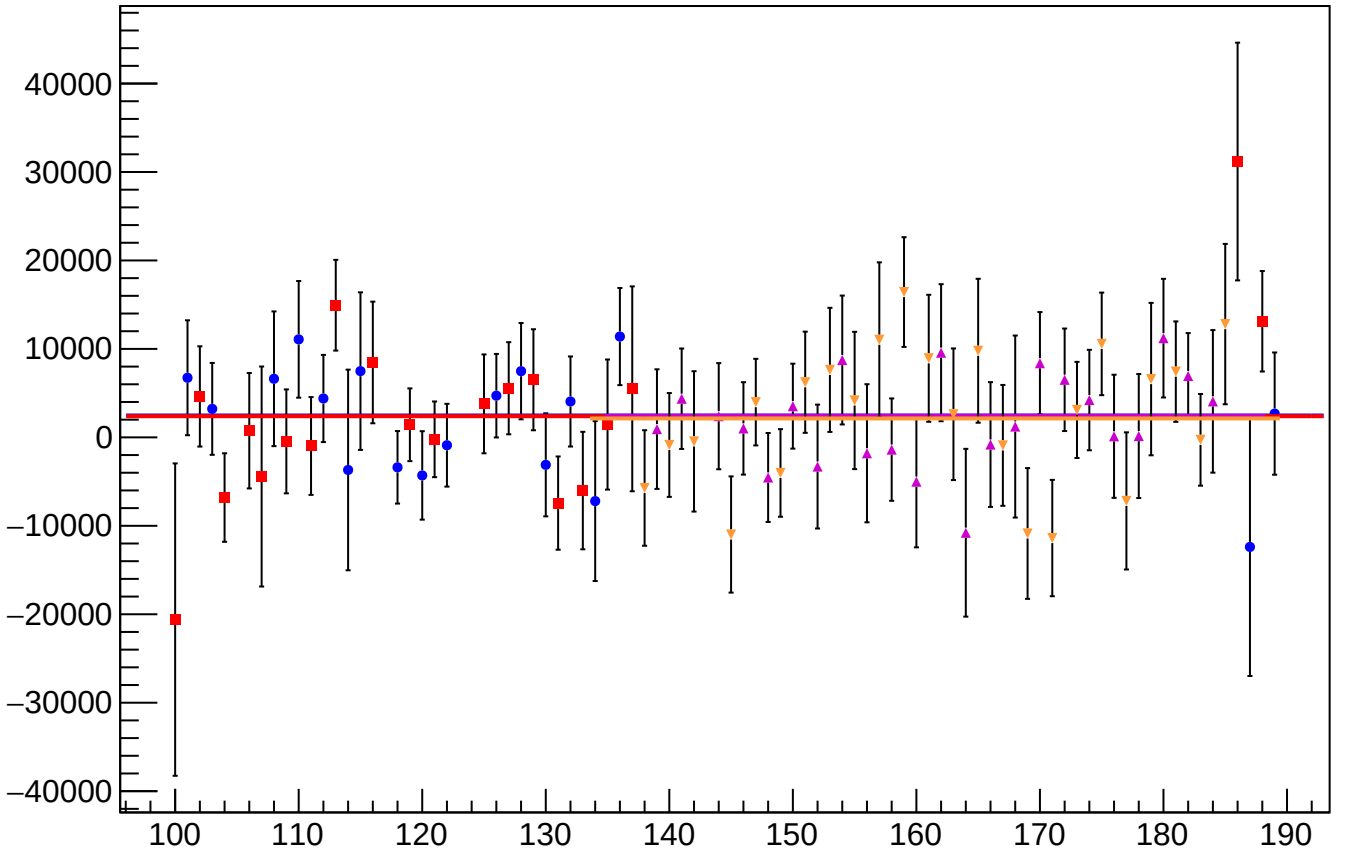
Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

Right: 3470.515+/-0.622 χ^2/NDF: 2000184.6/37

In: 4485.995+/-0.651 χ^2/NDF:4715477.7/40

Out: 4429.357+/-0.634 χ^2/NDF:5193980.9/43

All: 4456.925+/-0.454 χ^2/NDF: 9913345.0/84



Right In: 2469.150+/-1379.553 χ^2/NDF: 14.5/17

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 2391.684+/-1336.893 χ^2/NDF: 27.7/19

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

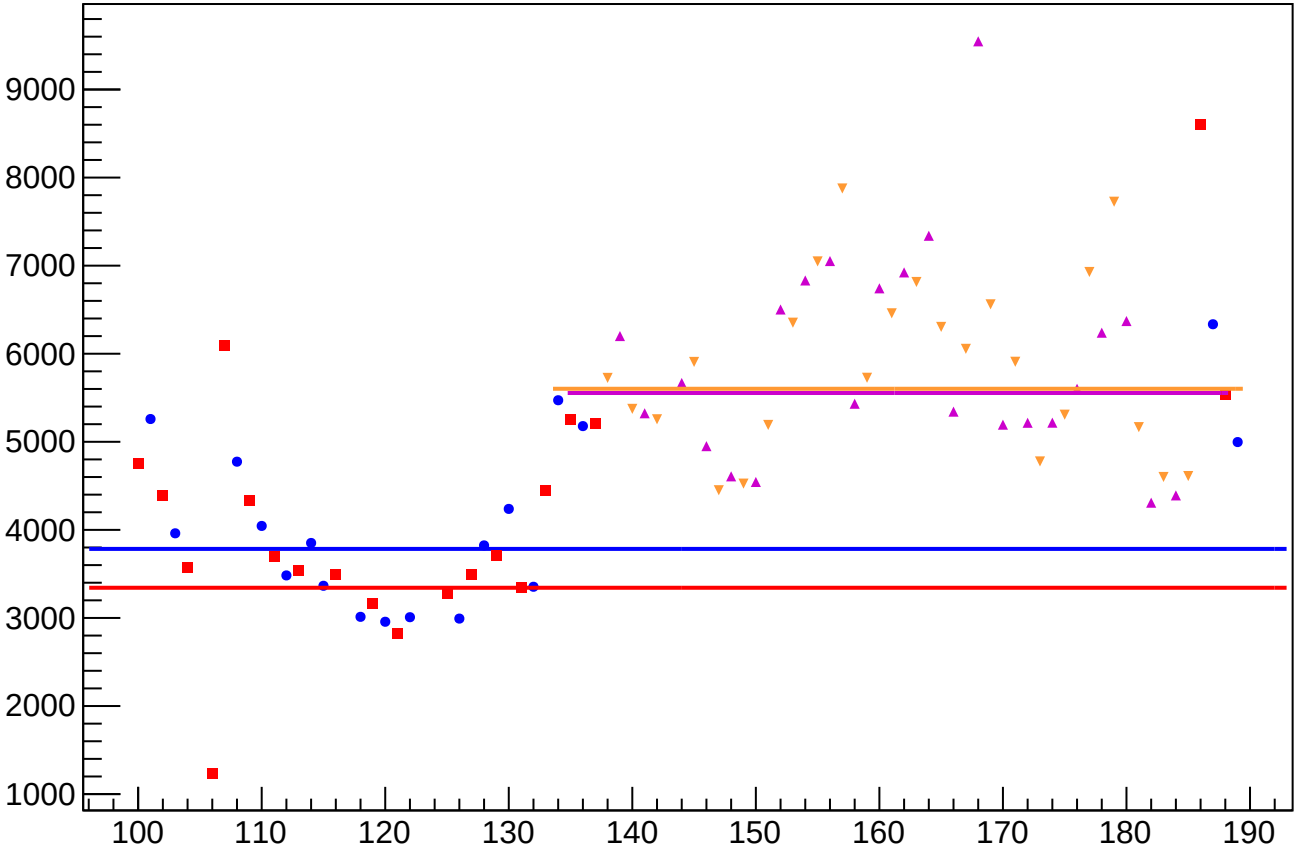
Right: 2429.201+/-960.053 χ^2/NDF: 42.2/37

In: 2447.715+/-954.146 χ^2/NDF:27.4/40

Out: 2263.720+/-940.873 χ^2/NDF:58.4/43

All: 2354.429+/-669.941 χ^2/NDF: 85.8/84

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3783.961+/-0.975 χ^2/NDF: 738990.5/17

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3342.823+/-0.870 χ^2/NDF: 2244767.1/19

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

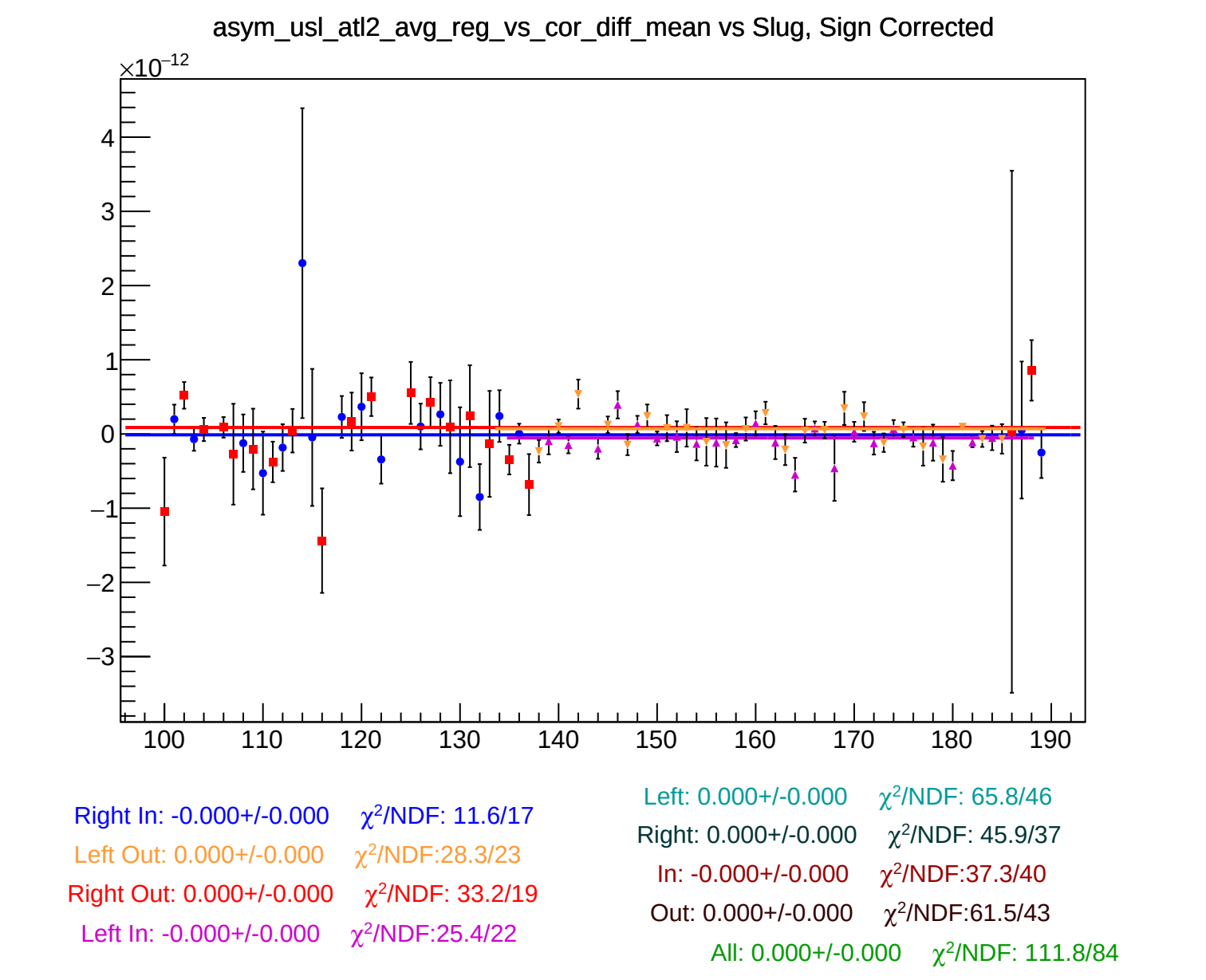
Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

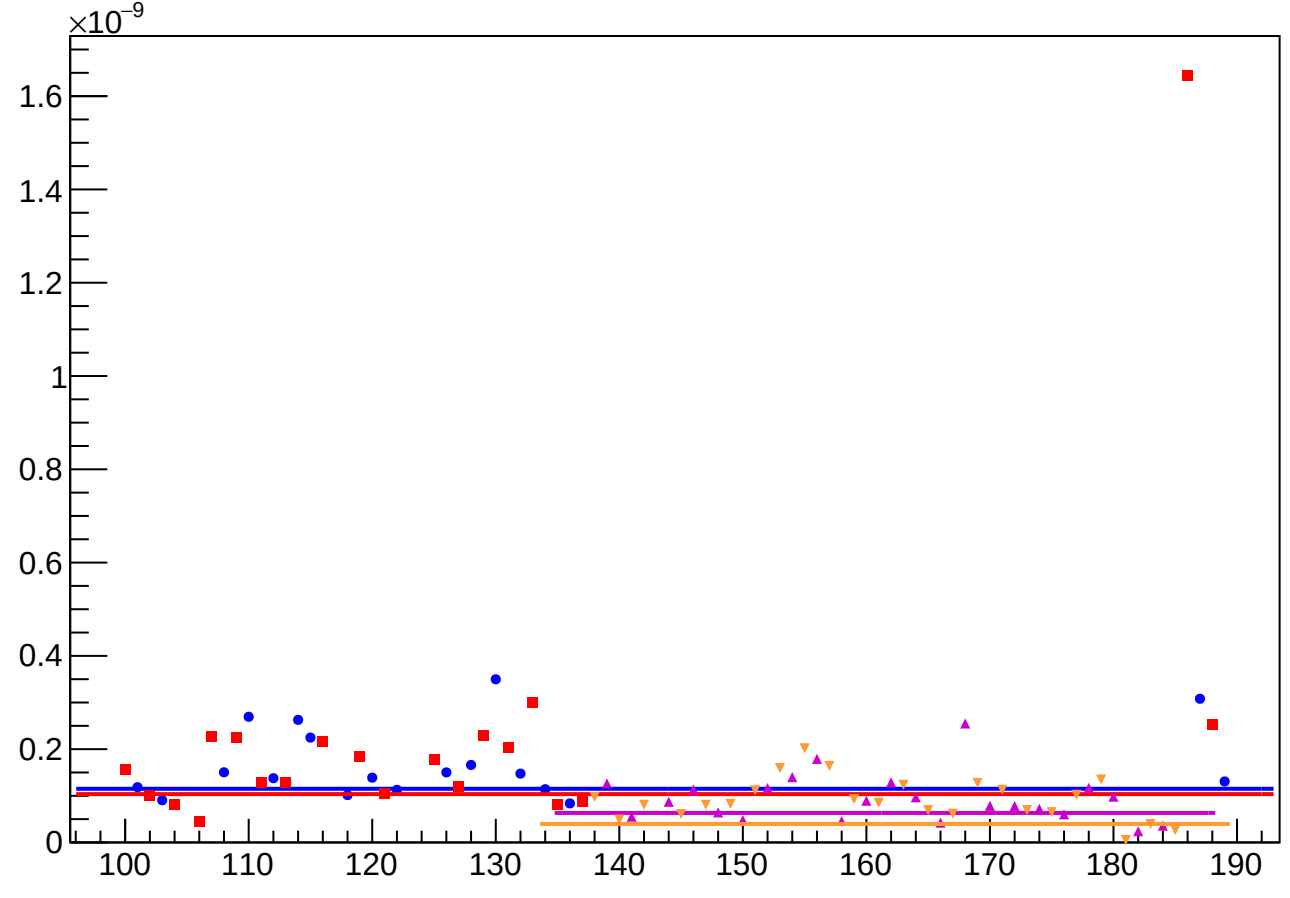
Right: 3538.362+/-0.649 χ^2/NDF: 3097613.4/37

In: 4707.313+/-0.675 χ^2/NDF:3568755.5/40

Out: 4390.041+/-0.638 χ^2/NDF:6308309.9/43

All: 4539.707+/-0.463 χ^2/NDF: 9993886.6/84


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.6/17
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 33.2/19
Left In: -0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 65.8/46
Right: 0.000+/-0.000 χ²/NDF: 45.9/37
In: -0.000+/-0.000 χ²/NDF:37.3/40
Out: 0.000+/-0.000 χ²/NDF:61.5/43
All: 0.000+/-0.000 χ²/NDF: 111.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 748593.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1762158.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

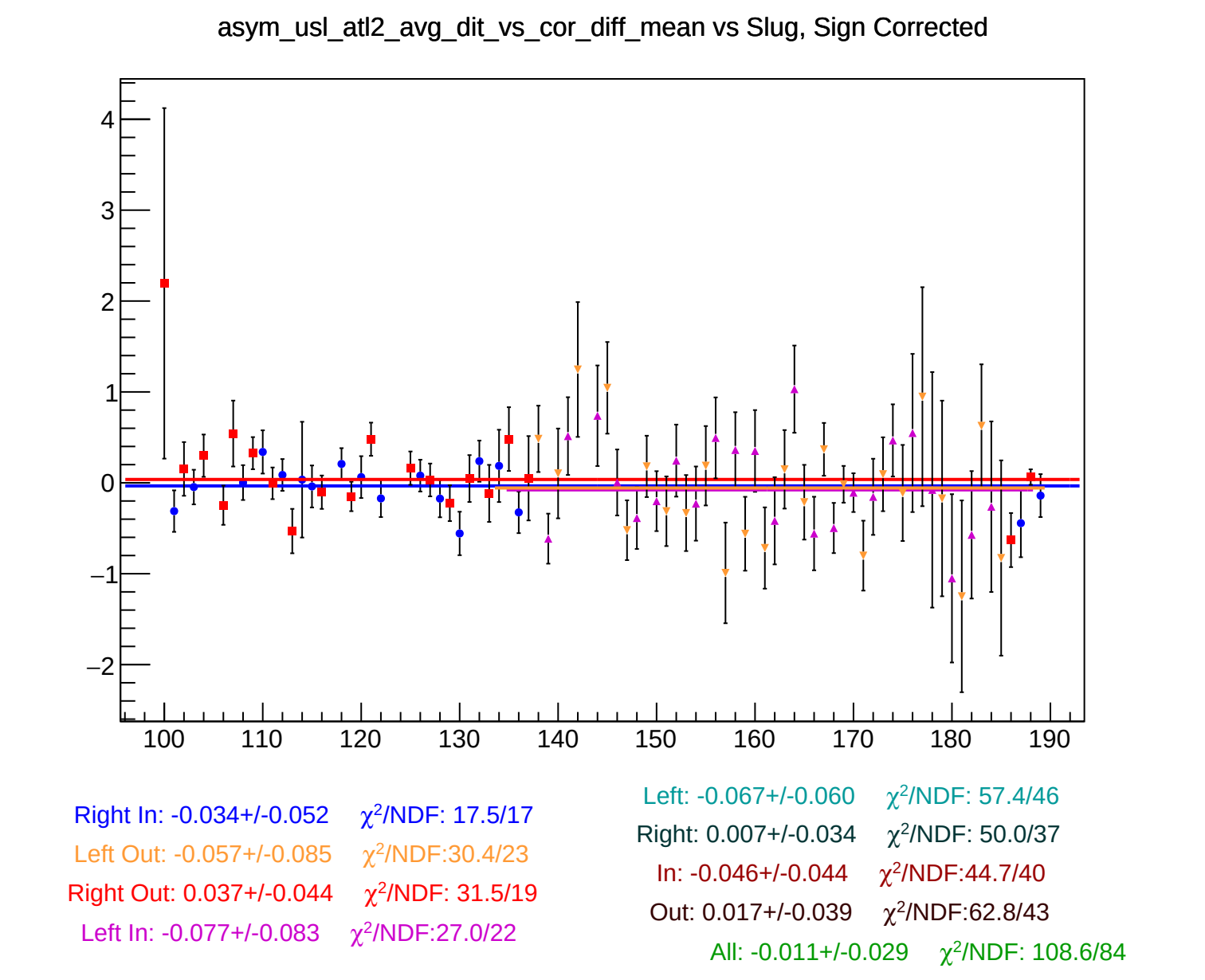
Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

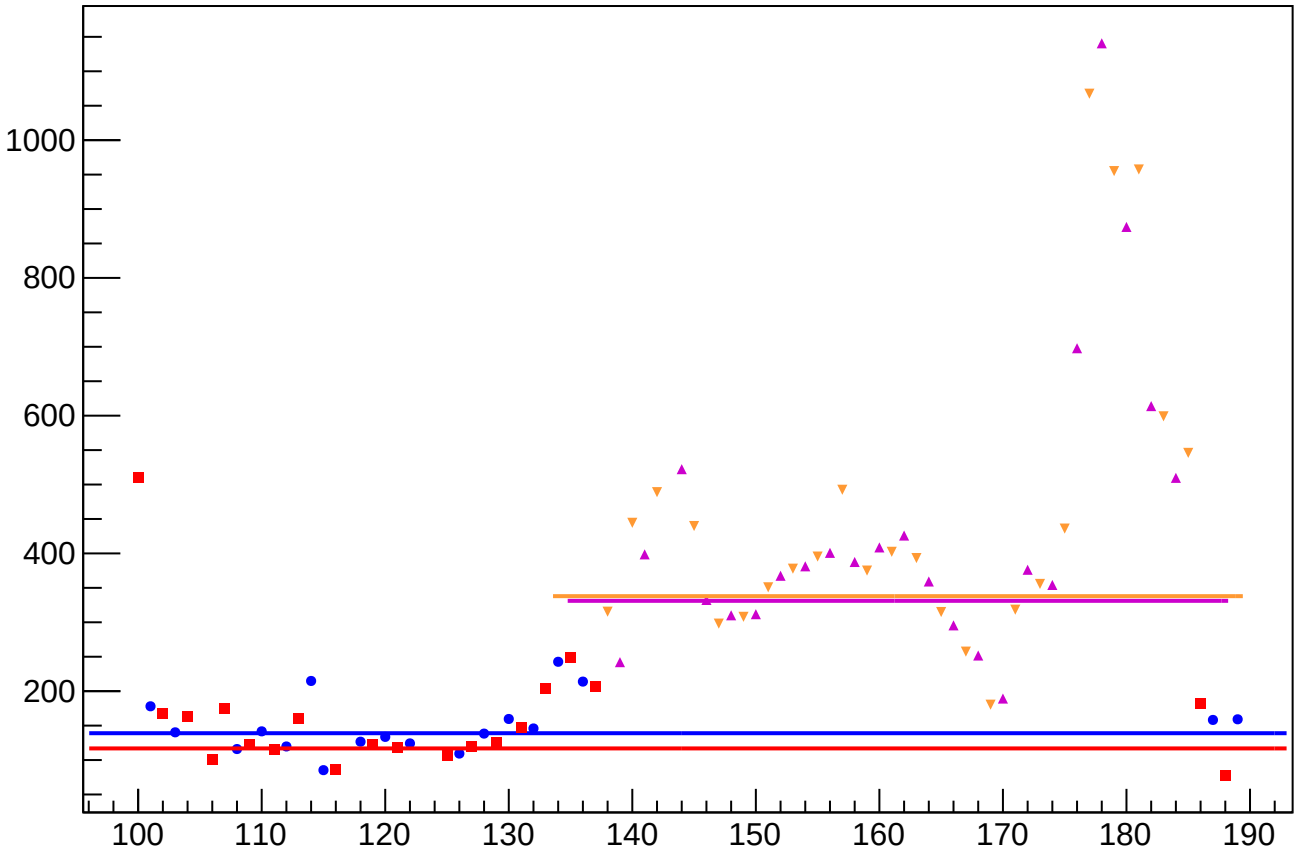
Right: 0.000+/-0.000 χ^2/NDF: 2540181.9/37

In: 0.000+/-0.000 χ^2/NDF:4645969.8/40

Out: 0.000+/-0.000 χ^2/NDF:10462504.4/43

All: 0.000+/-0.000 χ^2/NDF: 16175083.9/84


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.034+/-0.052 χ²/NDF: 17.5/17
Left Out: -0.057+/-0.085 χ²/NDF:30.4/23
Right Out: 0.037+/-0.044 χ²/NDF: 31.5/19
Left In: -0.077+/-0.083 χ²/NDF:27.0/22
Left: -0.067+/-0.060 χ²/NDF: 57.4/46
Right: 0.007+/-0.034 χ²/NDF: 50.0/37
In: -0.046+/-0.044 χ²/NDF:44.7/40
Out: 0.017+/-0.039 χ²/NDF:62.8/43
All: -0.011+/-0.029 χ²/NDF: 108.6/84



Right In: 138.961+/-0.037 χ^2/NDF: 714355.1/17

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 116.866+/-0.031 χ^2/NDF: 1488021.0/19

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

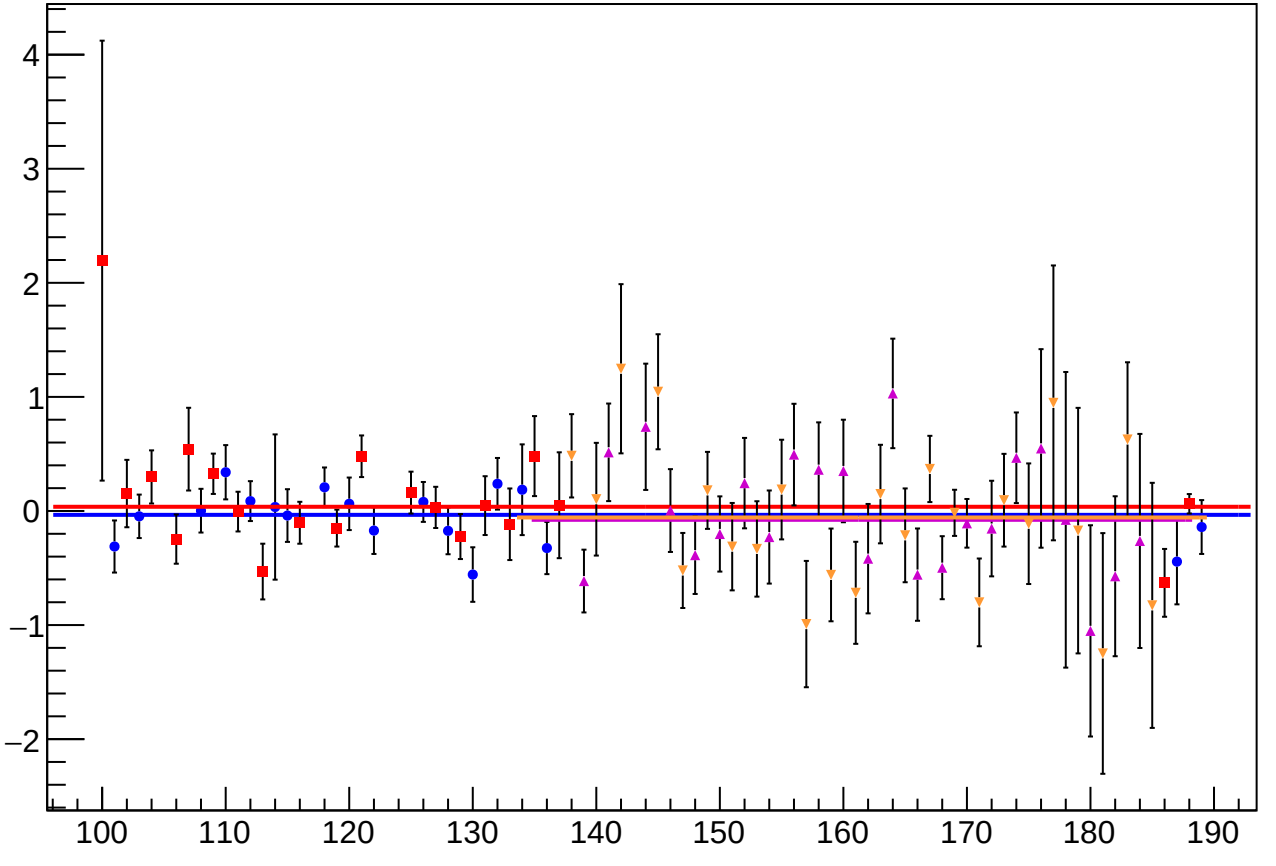
Right: 126.068+/-0.024 χ^2/NDF: 2410571.7/37

In: 193.216+/-0.031 χ^2/NDF:12442067.1/40

Out: 163.515+/-0.028 χ^2/NDF:16564527.4/43

All: 176.573+/-0.021 χ^2/NDF: 29509937.4/84

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

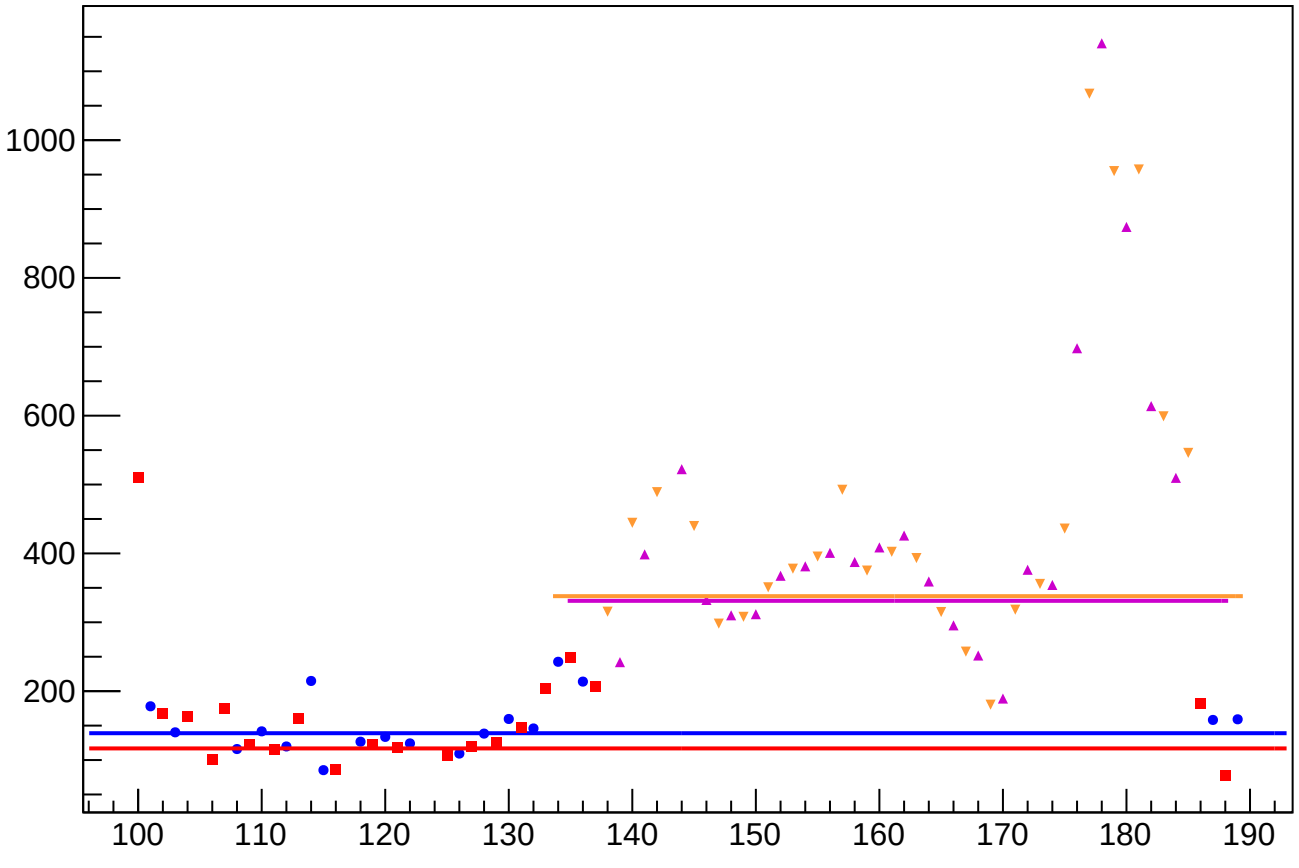
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.007+/-0.034 χ^2/NDF: 50.0/37

In: -0.046+/-0.044 χ^2/NDF:44.7/40

Out: 0.017+/-0.039 χ^2/NDF:62.8/43

All: -0.011+/-0.029 χ^2/NDF: 108.6/84



Right In: 138.961+/-0.037 χ^2/NDF: 714355.1/17

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 116.866+/-0.031 χ^2/NDF: 1488021.0/19

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

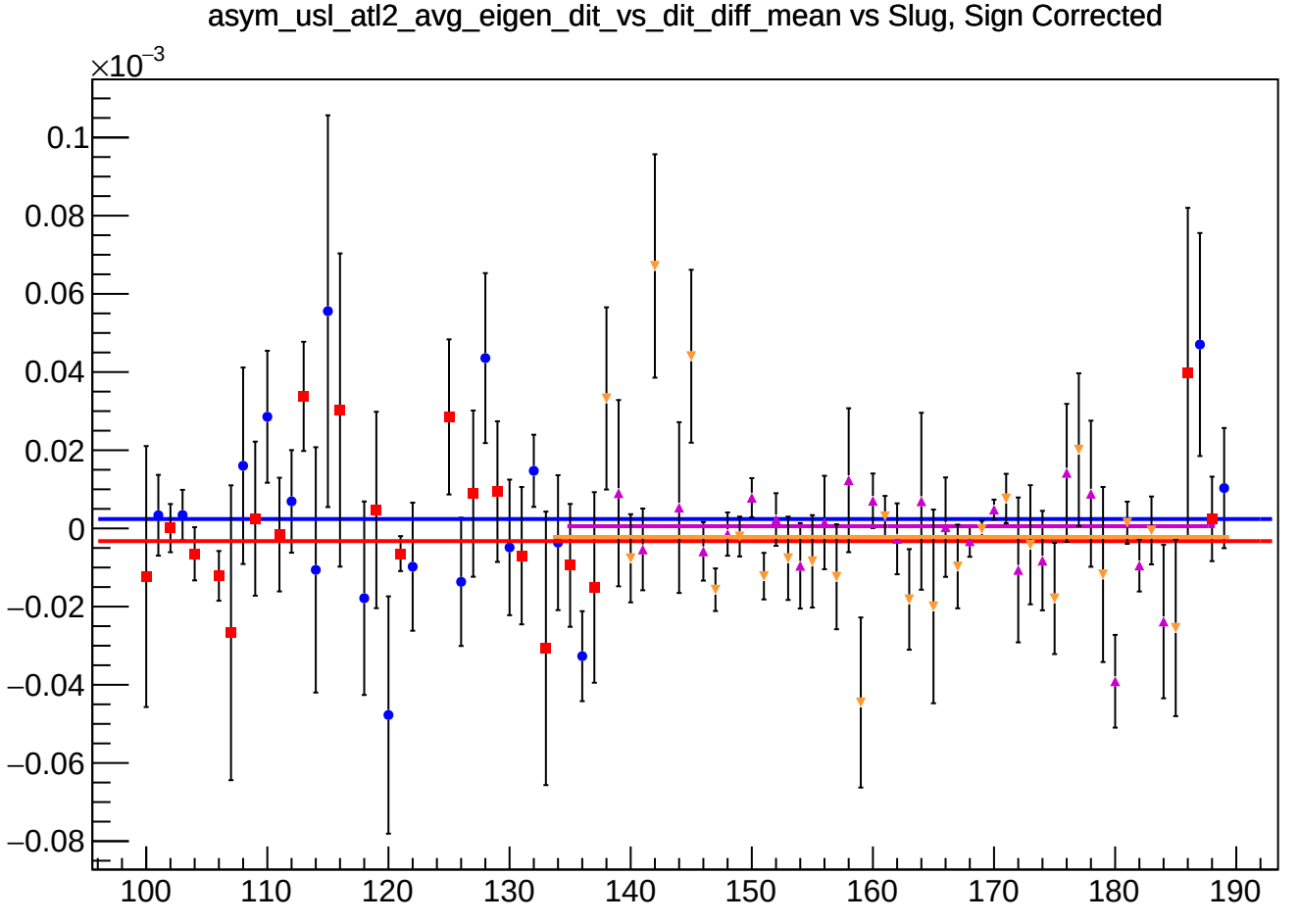
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 126.068+/-0.024 χ^2/NDF: 2410571.7/37

In: 193.216+/-0.031 χ^2/NDF:12442067.1/40

Out: 163.515+/-0.028 χ^2/NDF:16564527.4/43

All: 176.573+/-0.021 χ^2/NDF: 29509937.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

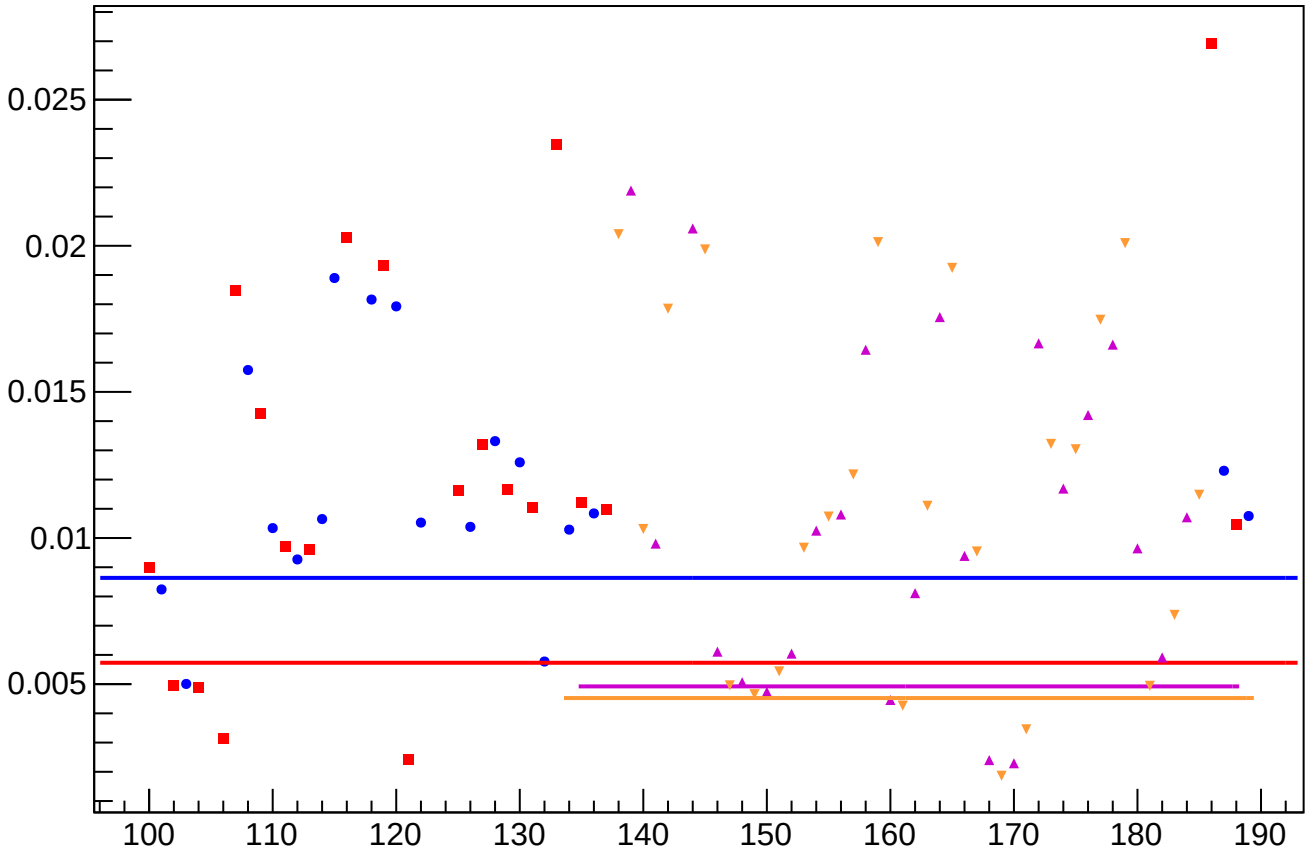
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 45.7/37

In: 0.000+/-0.000 χ^2/NDF:53.2/40

Out: -0.000+/-0.000 χ^2/NDF:55.2/43

All: -0.000+/-0.000 χ^2/NDF: 111.7/84



Right In: 0.009+/-0.000 χ^2/NDF: 2001301.1/17

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 5832086.2/19

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

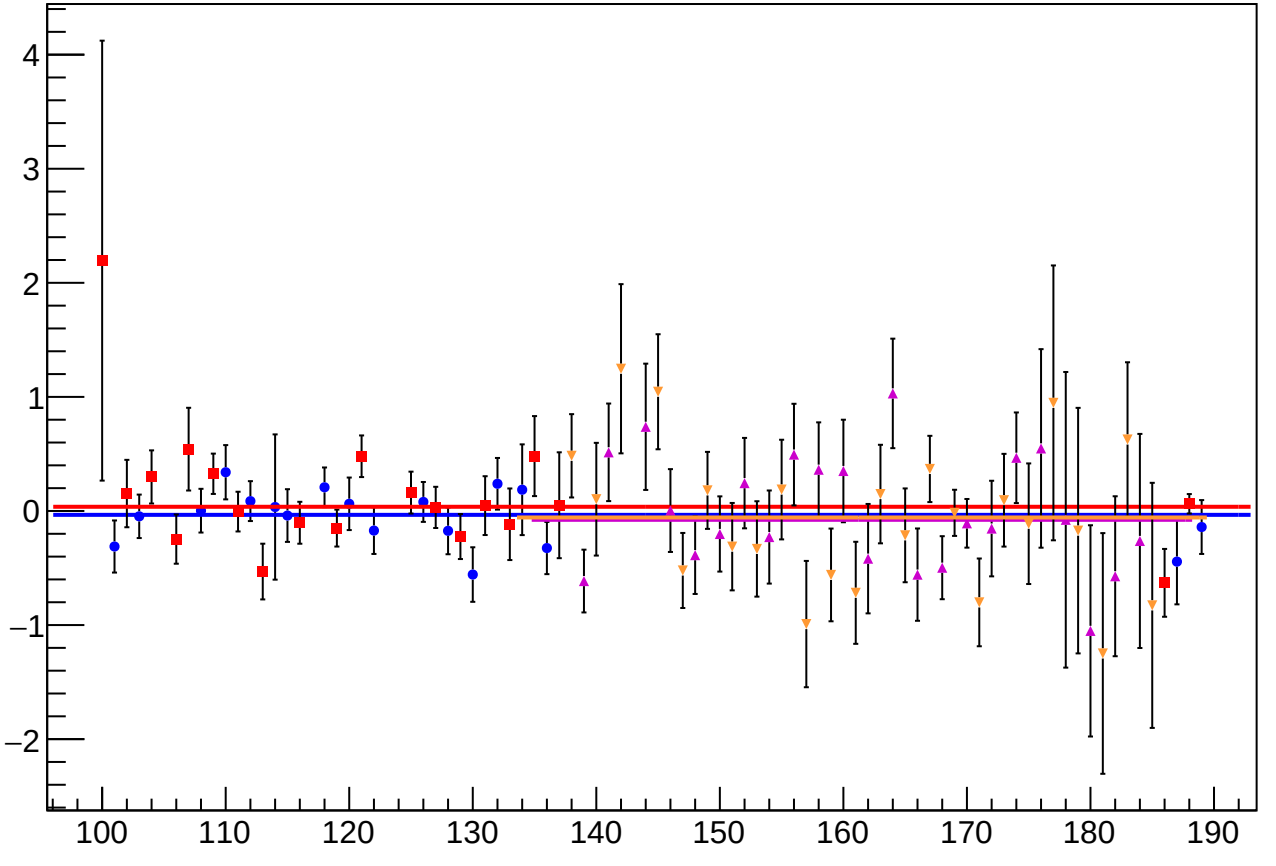
Right: 0.007+/-0.000 χ^2/NDF: 8814645.5/37

In: 0.006+/-0.000 χ^2/NDF:15687101.4/40

Out: 0.005+/-0.000 χ^2/NDF:20436325.3/43

All: 0.005+/-0.000 χ^2/NDF: 36434522.1/84

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

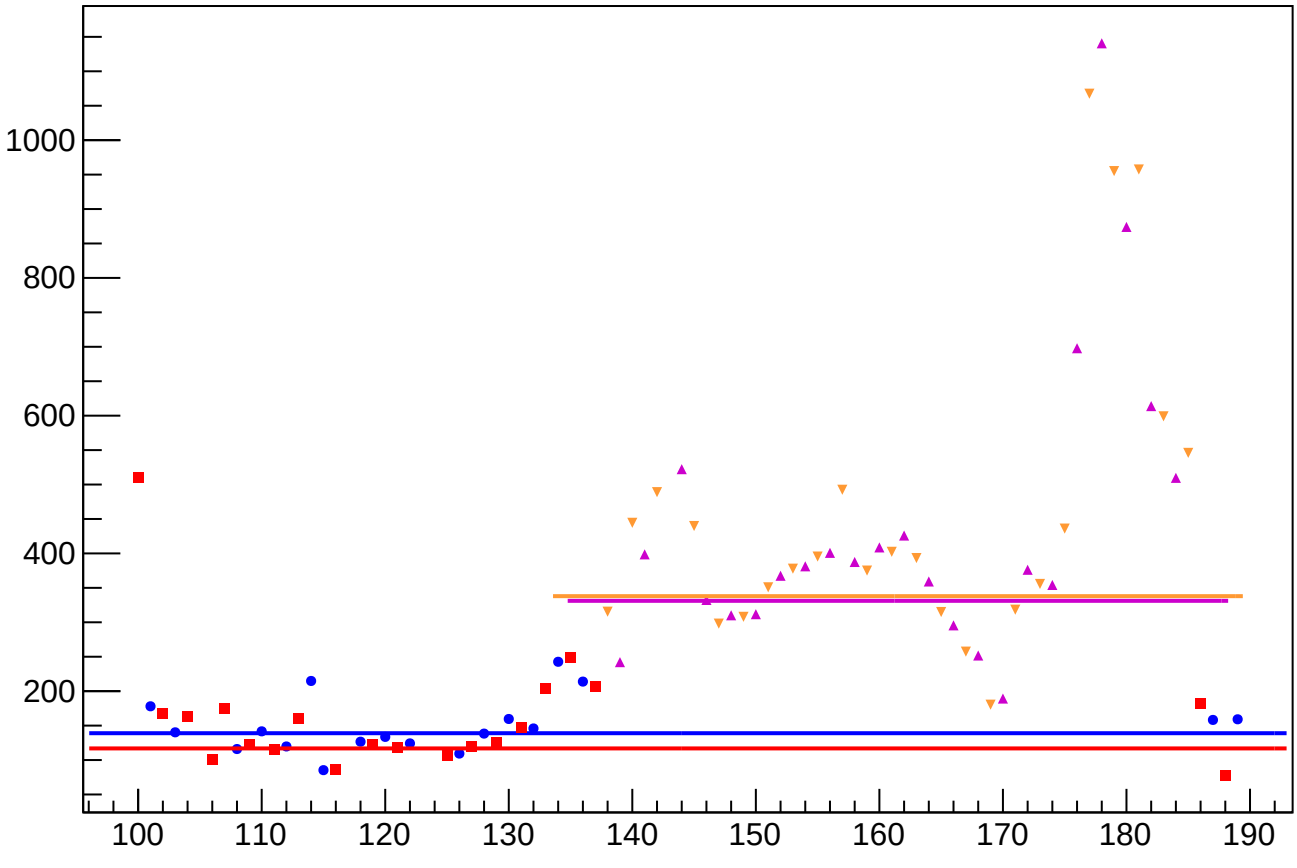
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.007+/-0.034 χ^2/NDF: 50.0/37

In: -0.046+/-0.044 χ^2/NDF:44.7/40

Out: 0.017+/-0.039 χ^2/NDF:62.8/43

All: -0.011+/-0.029 χ^2/NDF: 108.6/84



Right In: 138.961+/-0.037 χ^2/NDF: 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 116.864+/-0.031 χ^2/NDF: 1488076.1/19

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

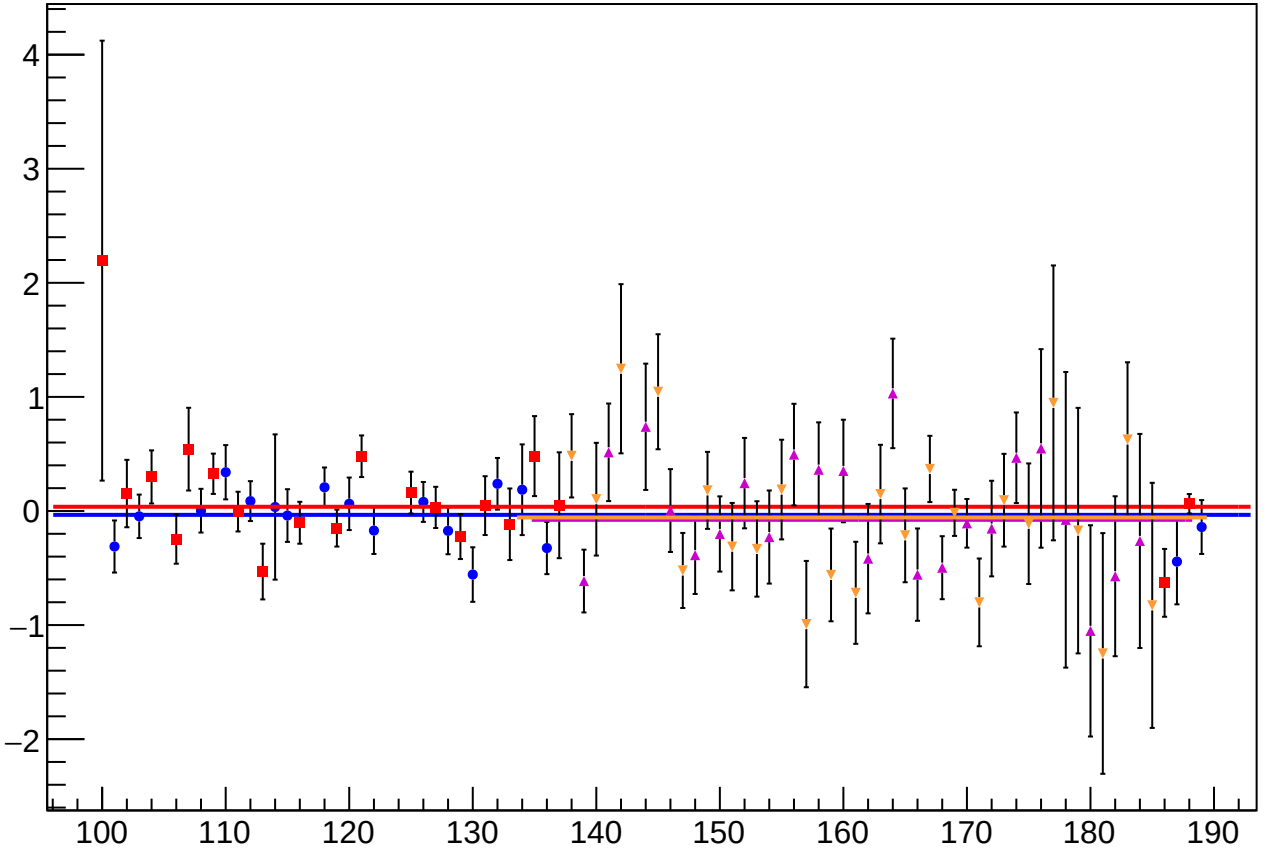
Right: 126.067+/-0.024 χ^2/NDF: 2410665.1/37

In: 193.216+/-0.031 χ^2/NDF:12442163.4/40

Out: 163.512+/-0.028 χ^2/NDF:16565002.2/43

All: 176.571+/-0.021 χ^2/NDF: 29510624.1/84

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.034+/-0.052 χ^2/NDF: 17.5/17

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

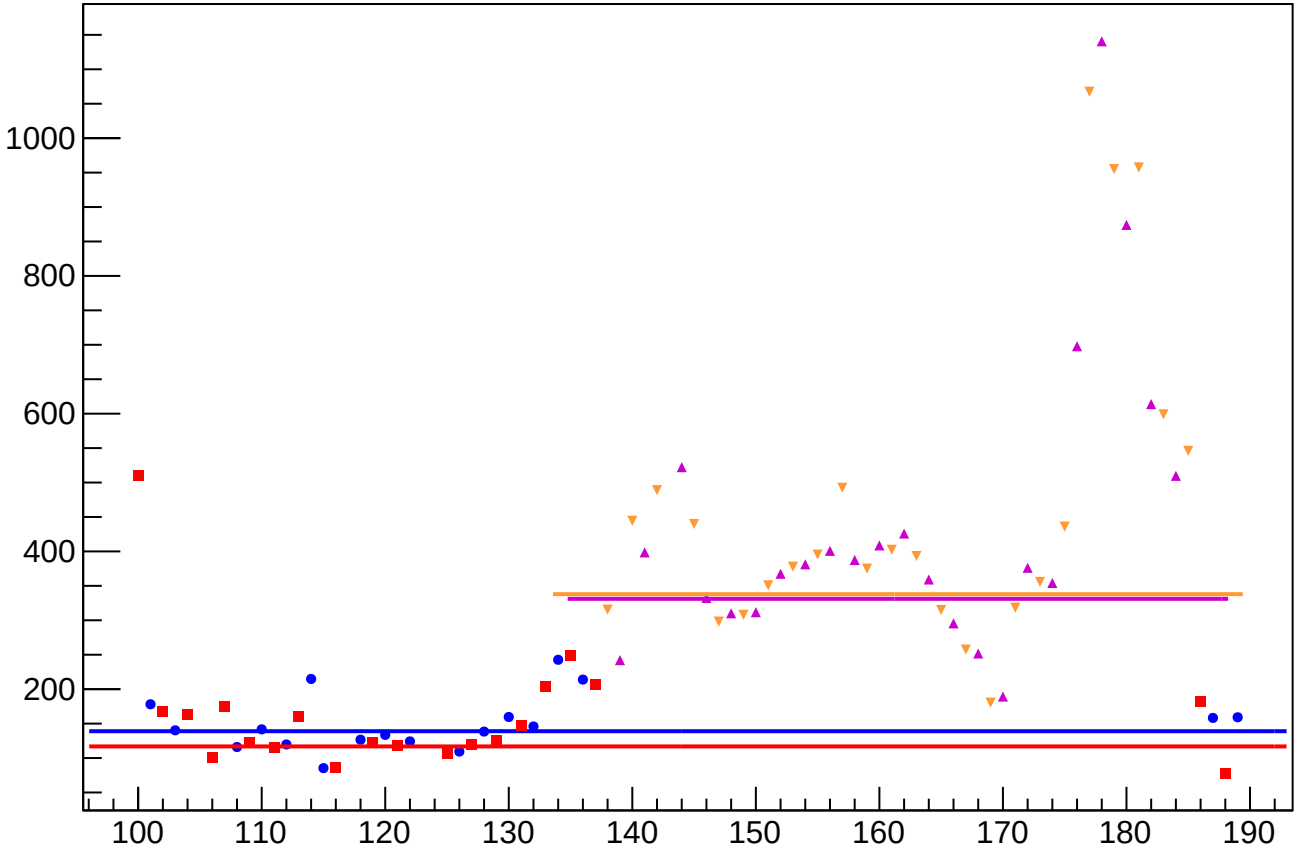
Right: 0.007+/-0.034 χ^2/NDF: 50.0/37

In: -0.046+/-0.044 χ^2/NDF:44.7/40

Out: 0.017+/-0.039 χ^2/NDF:62.8/43

All: -0.011+/-0.029 χ^2/NDF: 108.6/84

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 138.961+/-0.037 χ^2/NDF: 714345.1/17

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 116.864+/-0.031 χ^2/NDF: 1488076.1/19

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

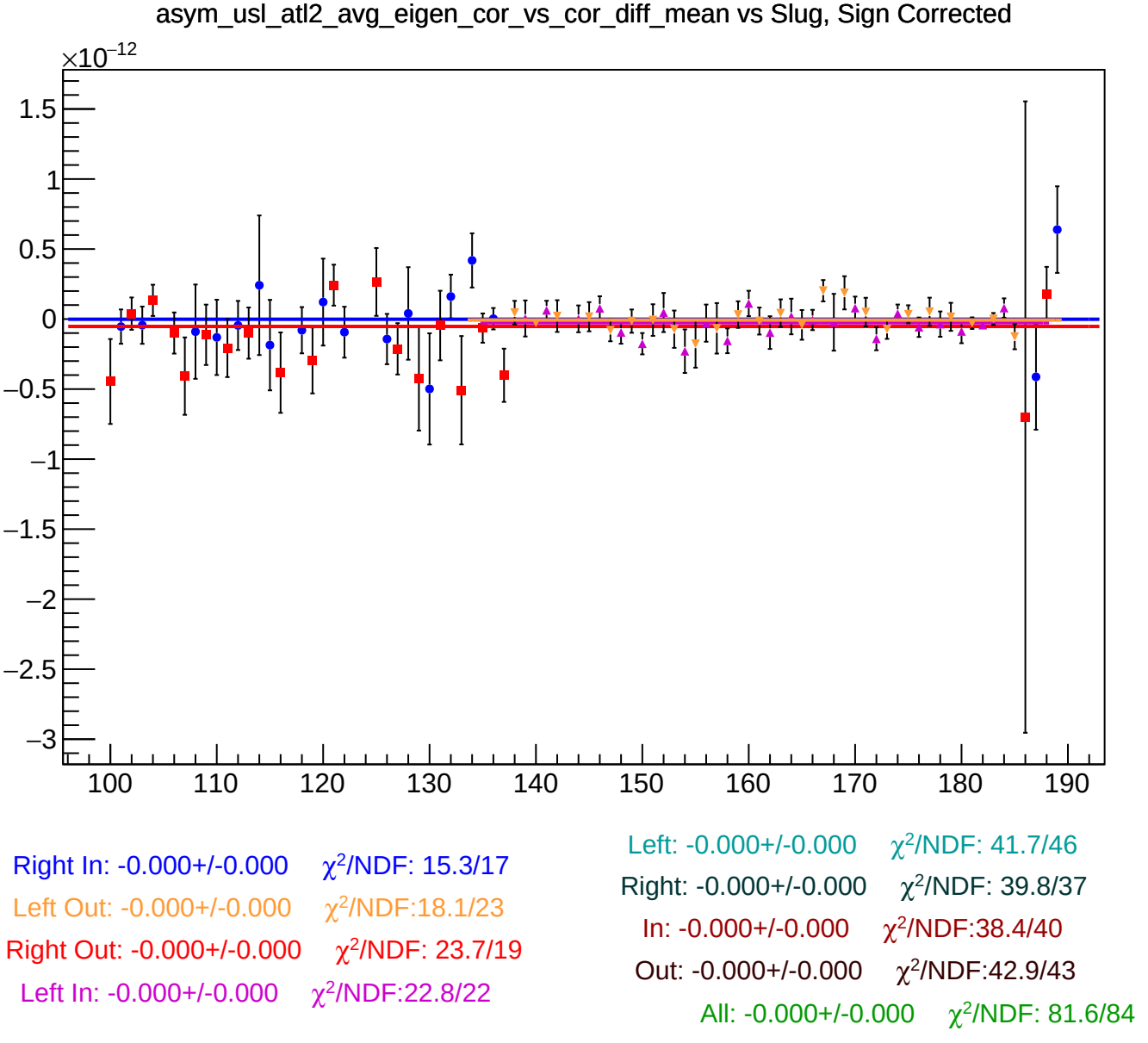
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

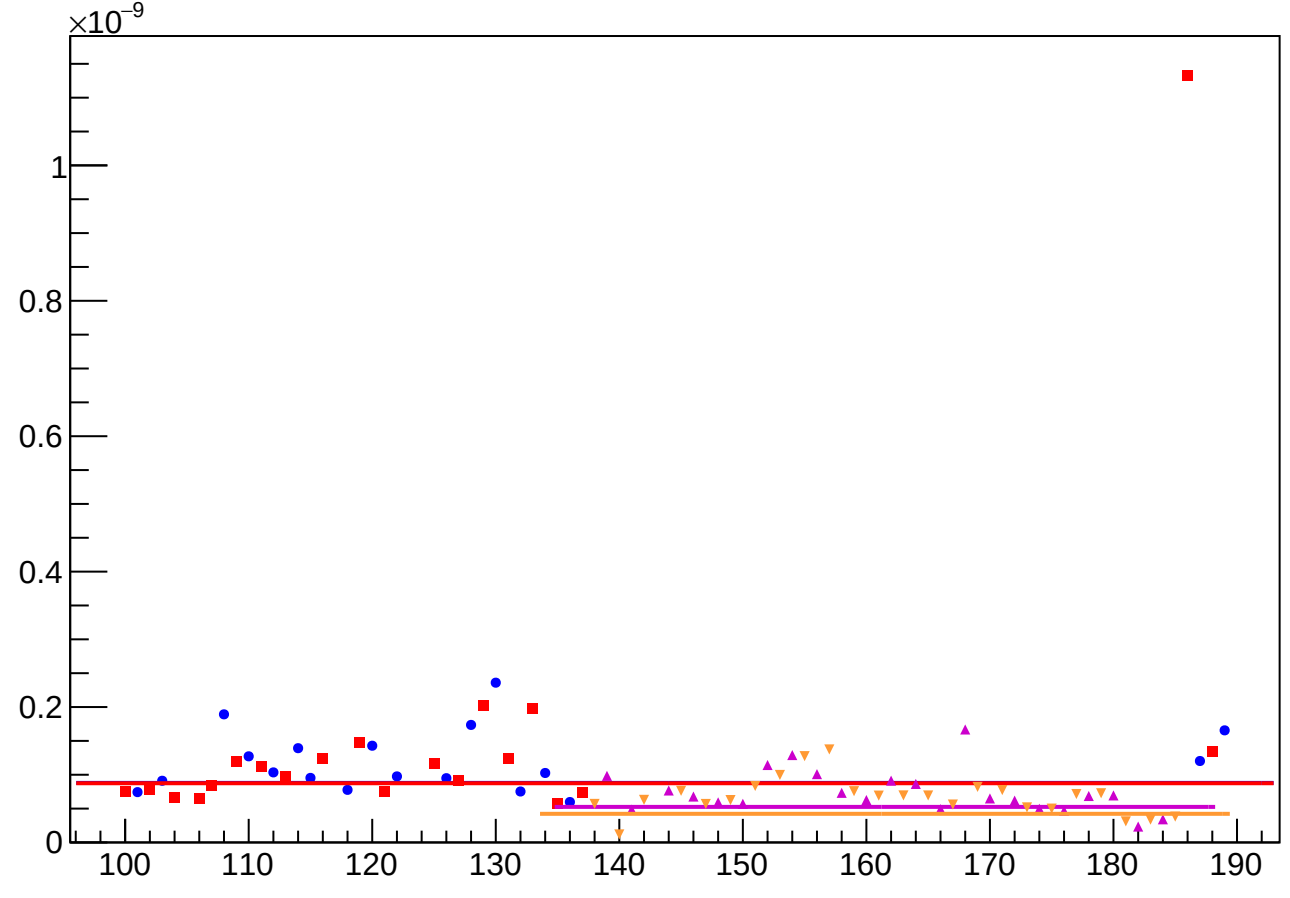
Right: 126.067+/-0.024 χ^2/NDF: 2410665.1/37

In: 193.216+/-0.031 χ^2/NDF:12442163.4/40

Out: 163.512+/-0.028 χ^2/NDF:16565002.2/43

All: 176.571+/-0.021 χ^2/NDF: 29510624.1/84


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.3/17
Left Out: -0.000+/-0.000 χ²/NDF:18.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 23.7/19
Left In: -0.000+/-0.000 χ²/NDF:22.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.7/46
Right: -0.000+/-0.000 χ²/NDF: 39.8/37
In: -0.000+/-0.000 χ²/NDF:38.4/40
Out: -0.000+/-0.000 χ²/NDF:42.9/43
All: -0.000+/-0.000 χ²/NDF: 81.6/84



Right In: 0.000+/-0.000 χ^2/NDF: 1216730.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1530703.8/19

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

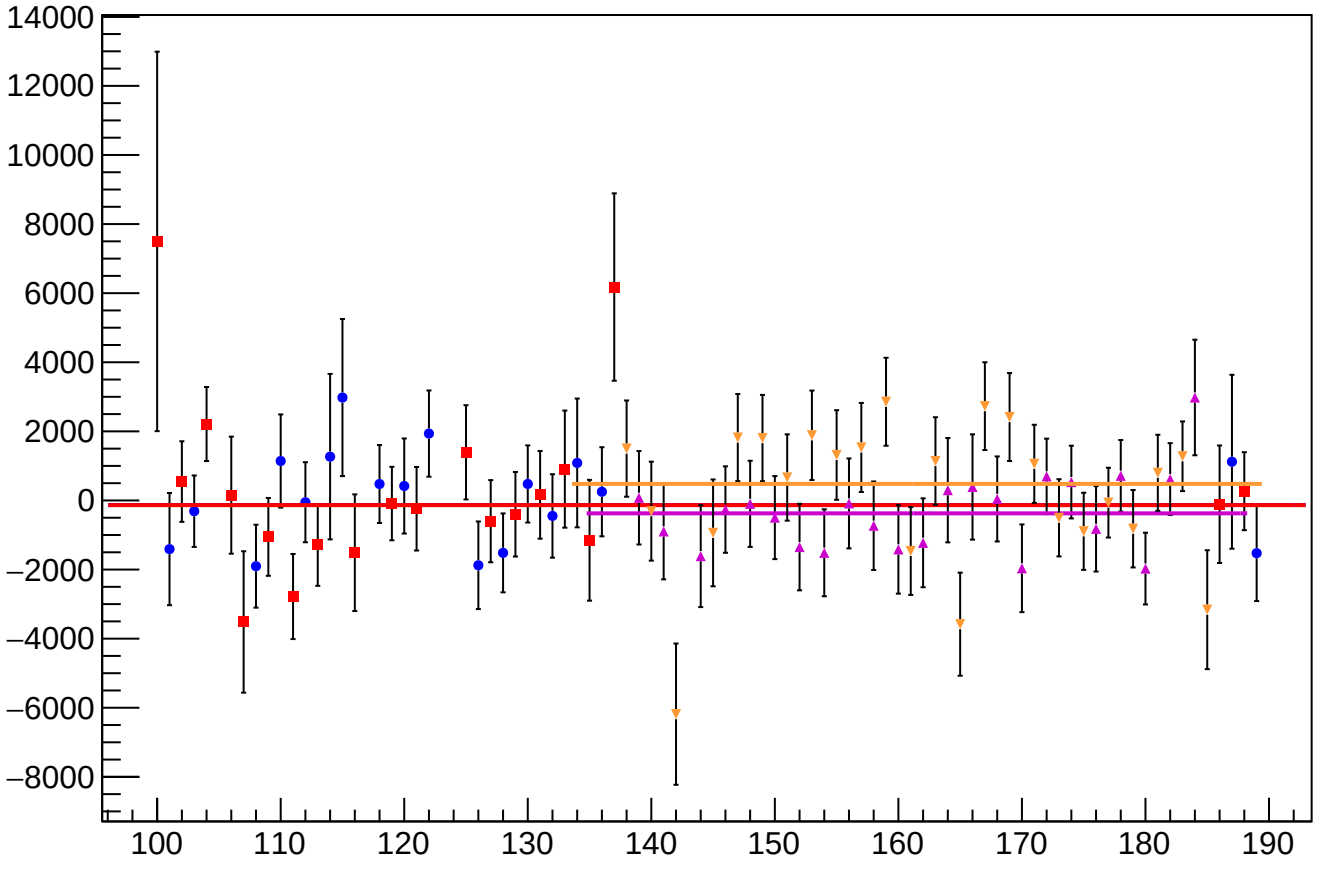
Right: 0.000+/-0.000 χ^2/NDF: 2747573.5/37

In: 0.000+/-0.000 χ^2/NDF:7363376.5/40

Out: 0.000+/-0.000 χ^2/NDF:10391359.3/43

All: 0.000+/-0.000 χ^2/NDF: 18230771.7/84

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -132.075+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -135.543+/-304.485 χ^2/NDF: 24.5/19

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

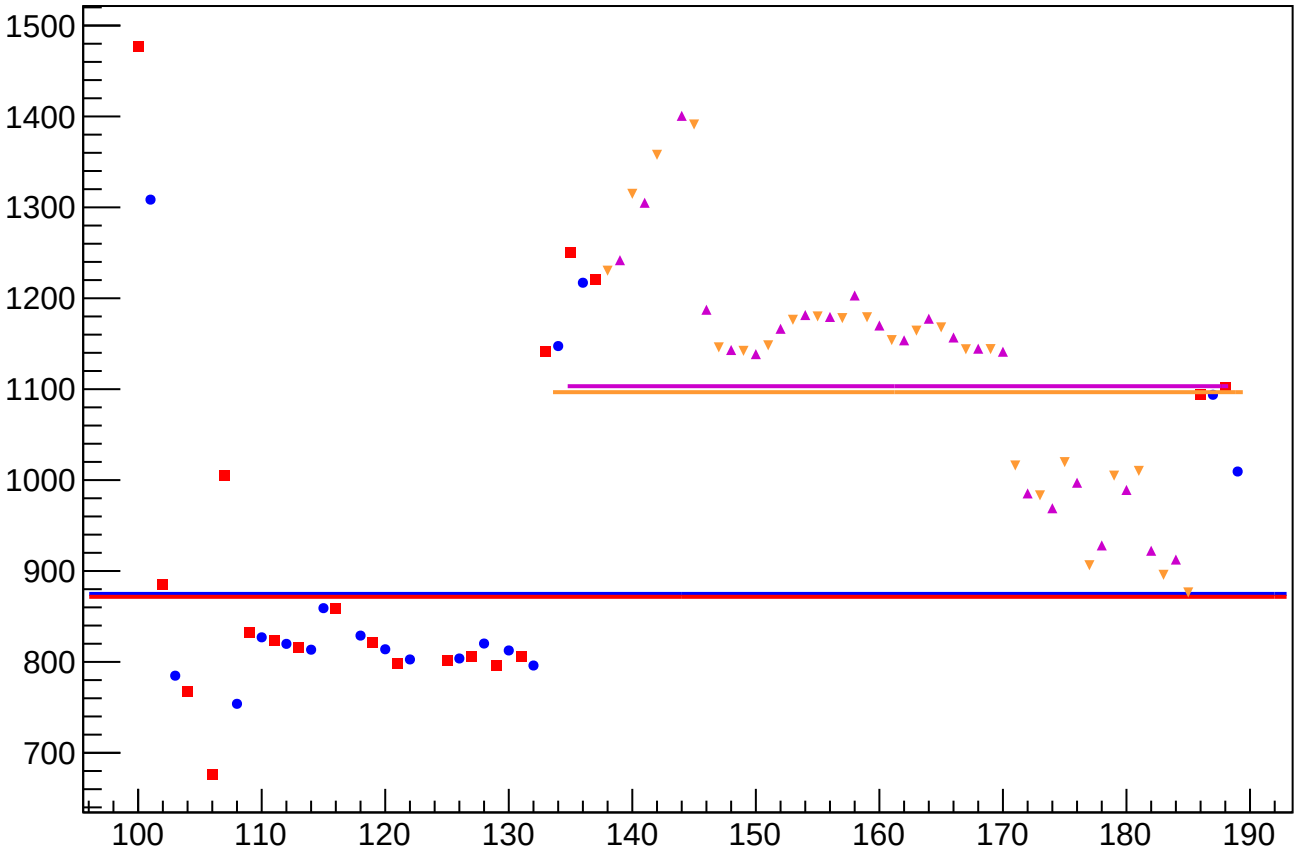
Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

Right: -133.868+/-218.945 χ^2/NDF: 39.2/37

In: -275.656+/-200.217 χ^2/NDF:31.0/40

Out: 224.436+/-196.095 χ^2/NDF:72.1/43

All: -20.408+/-140.095 χ^2/NDF: 106.3/84



Right In: 874.797+/-0.223 χ^2/NDF: 443844.0/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 871.604+/-0.213 χ^2/NDF: 438551.1/19

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

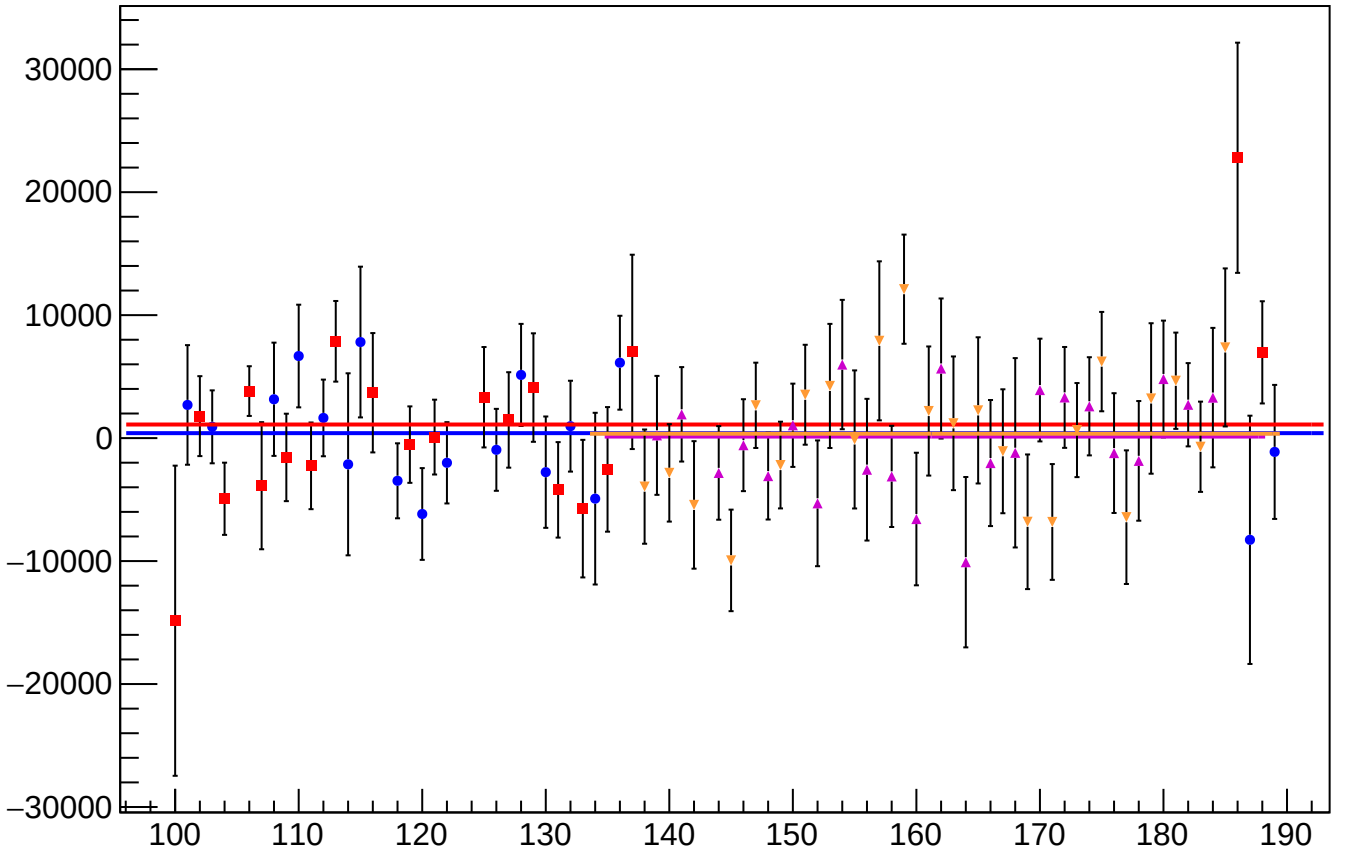
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 873.129+/-0.154 χ^2/NDF: 882502.4/37

In: 1011.006+/-0.142 χ^2/NDF:1518454.1/40

Out: 1002.125+/-0.138 χ^2/NDF:1567156.1/43

All: 1006.453+/-0.099 χ^2/NDF: 3087627.5/84



Right In: 403.070+/-961.370 χ^2/NDF: 15.5/17

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1105.389+/-843.375 χ^2/NDF: 27.6/19

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

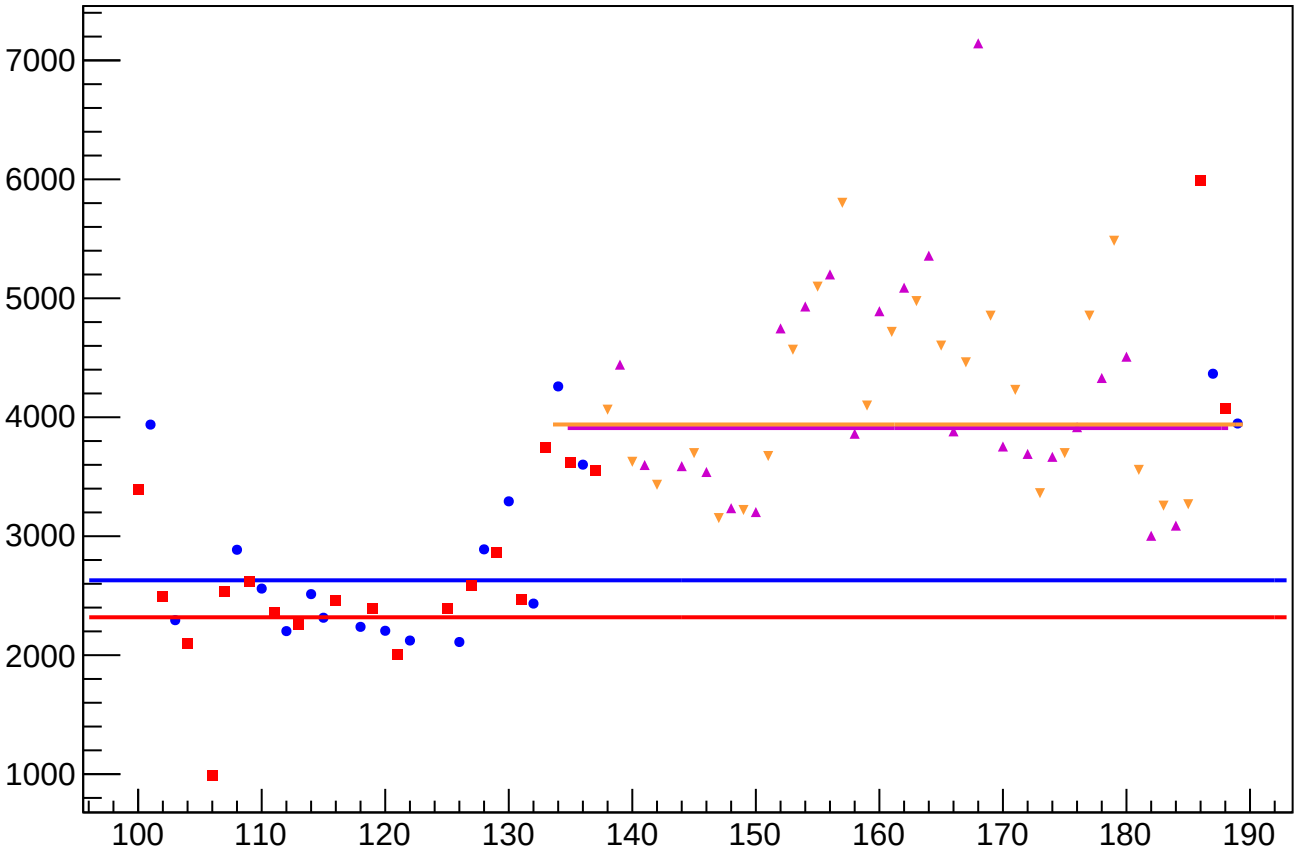
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 799.952+/-633.992 χ^2/NDF: 43.4/37

In: 260.692+/-669.405 χ^2/NDF:29.3/40

Out: 769.669+/-626.016 χ^2/NDF:58.2/43

All: 532.209+/-457.230 χ^2/NDF: 87.8/84



Right In: 2629.281+/-0.680 χ^2/NDF: 845938.0/17

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2318.568+/-0.596 χ^2/NDF: 1958622.7/19

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

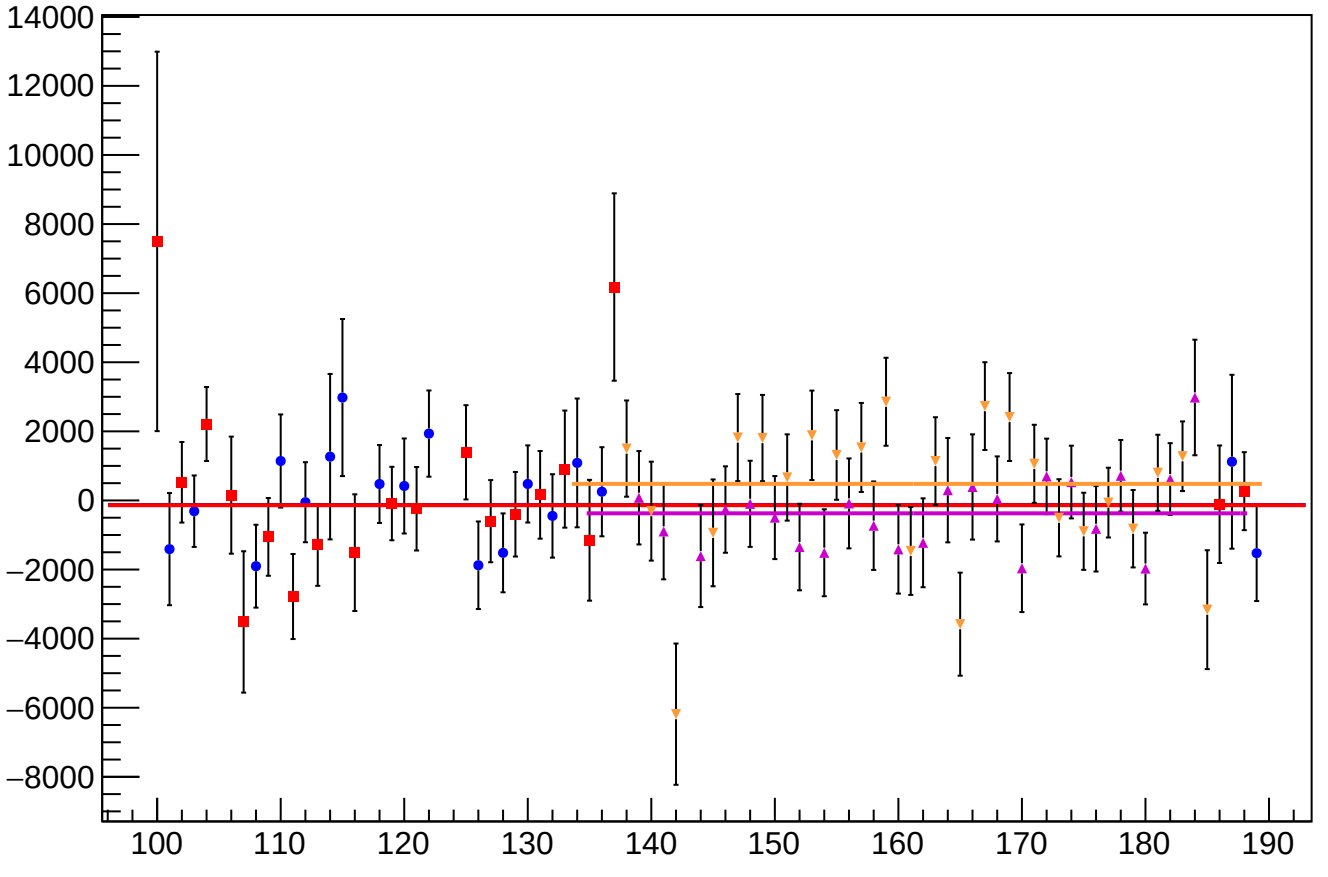
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2453.696+/-0.448 χ^2/NDF: 2922618.8/37

In: 3288.613+/-0.473 χ^2/NDF:3972762.2/40

Out: 3046.303+/-0.443 χ^2/NDF:6367663.0/43

All: 3159.351+/-0.323 χ^2/NDF: 10480220.6/8



Right In: -132.163+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -137.003+/-304.490 χ^2/NDF: 24.5/19

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

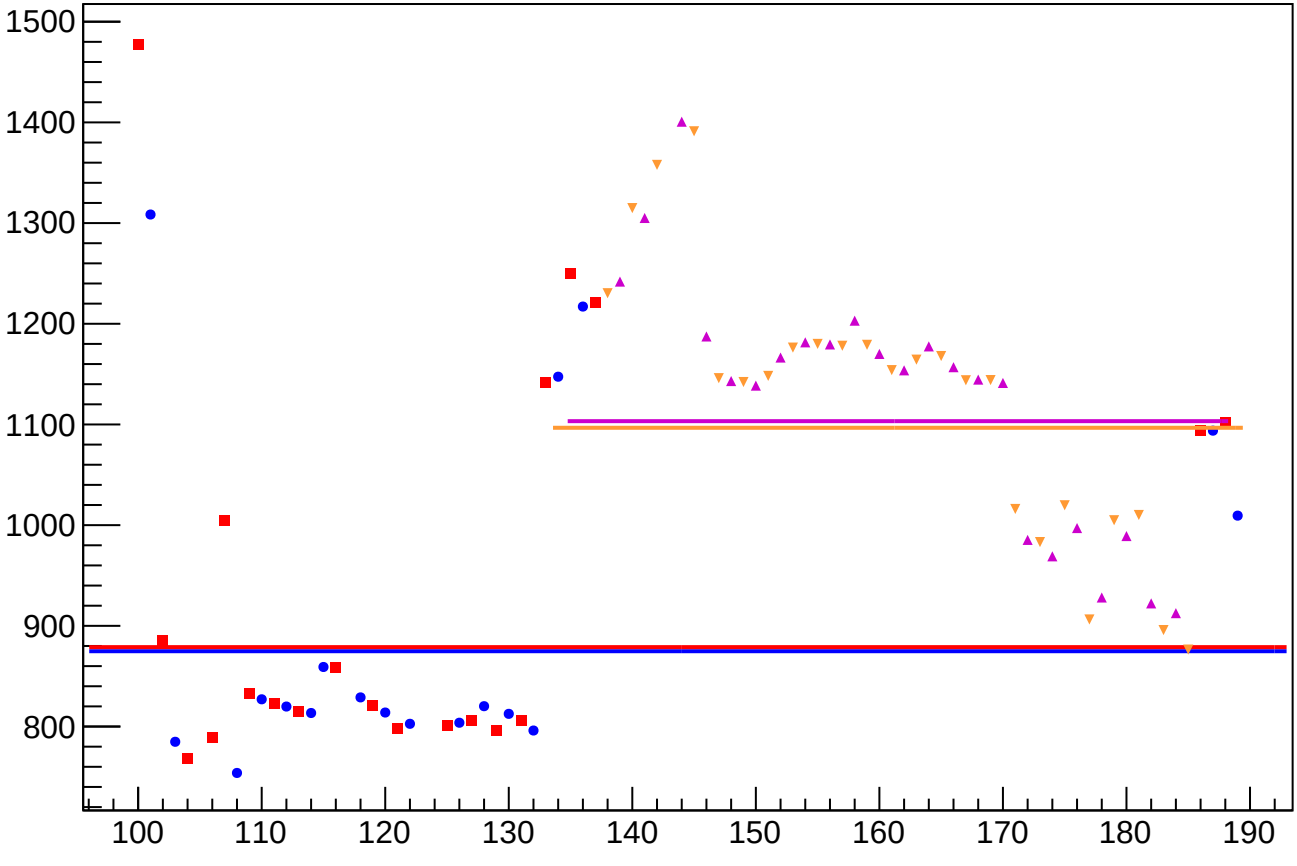
Right: -134.666+/-218.947 χ^2/NDF: 39.1/37

In: -275.677+/-200.217 χ^2/NDF:31.0/40

Out: 223.851+/-196.096 χ^2/NDF:72.1/43

All: -20.719+/-140.095 χ^2/NDF: 106.3/84

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 874.797+/-0.223 χ^2/NDF: 443843.7/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 878.856+/-0.214 χ^2/NDF: 398124.7/19

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

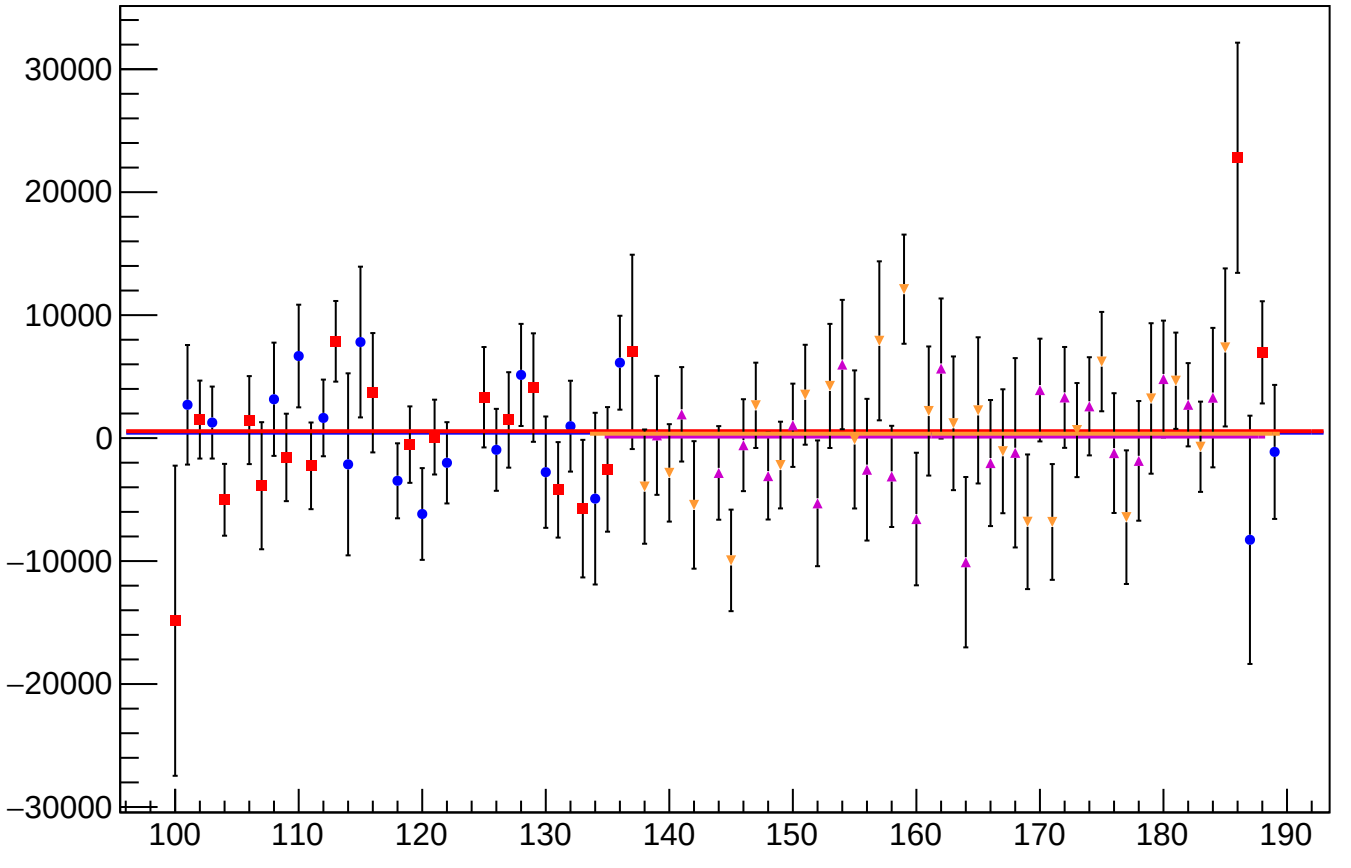
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 876.905+/-0.154 χ^2/NDF: 842140.8/37

In: 1011.006+/-0.142 χ^2/NDF:1518454.2/40

Out: 1005.864+/-0.138 χ^2/NDF:1481061.3/43

All: 1008.376+/-0.099 χ^2/NDF: 3000190.0/84



Right In: 442.272+/-960.021 χ^2/NDF: 15.5/17

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 560.249+/-896.082 χ^2/NDF: 25.6/19

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

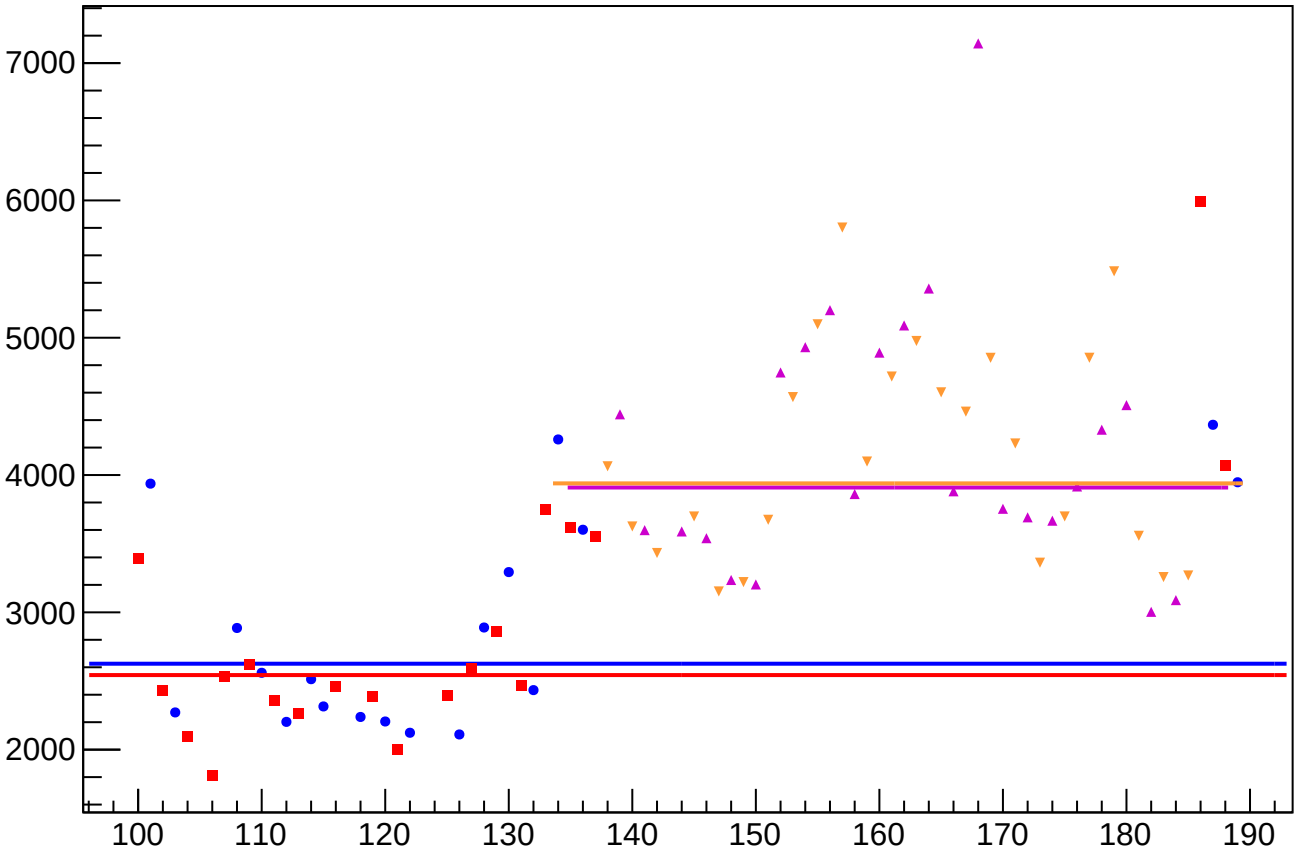
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 505.319+/-655.064 χ^2/NDF: 41.1/37

In: 279.889+/-668.948 χ^2/NDF:29.4/40

Out: 463.206+/-646.688 χ^2/NDF:55.9/43

All: 374.648+/-464.948 χ^2/NDF: 85.2/84



Right In: 2625.849+/-0.679 χ^2/NDF: 850190.5/17

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2543.137+/-0.634 χ^2/NDF: 1003797.0/19

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

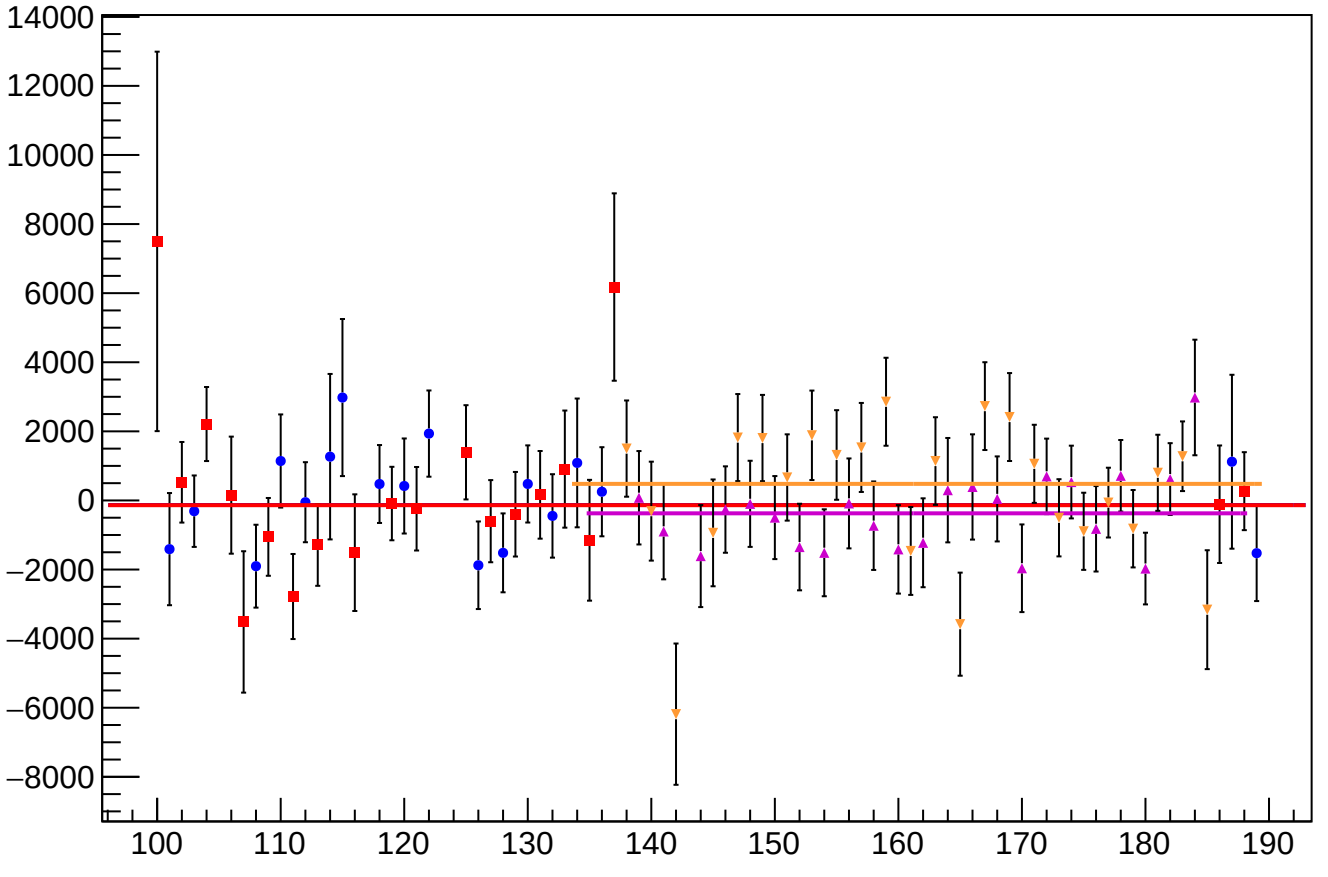
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2581.647+/-0.463 χ^2/NDF: 1861921.3/37

In: 3286.047+/-0.473 χ^2/NDF:3989471.2/40

Out: 3212.122+/-0.457 χ^2/NDF:4422813.3/43

All: 3247.834+/-0.329 χ^2/NDF: 8424910.0/84



Right In: -132.163+/-315.055 χ^2/NDF: 14.6/17

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -137.003+/-304.490 χ^2/NDF: 24.5/19

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

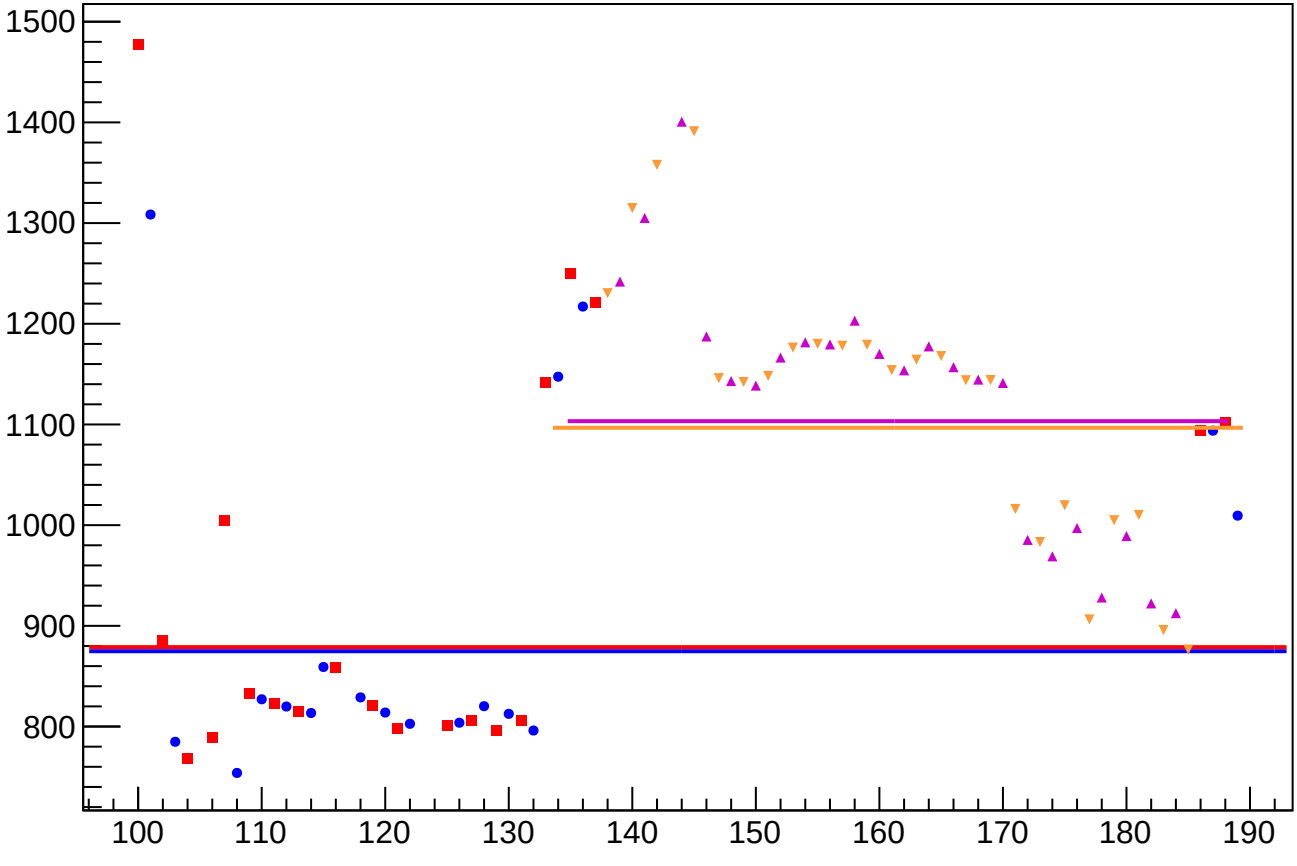
Right: -134.666+/-218.947 χ^2/NDF: 39.1/37

In: -275.677+/-200.217 χ^2/NDF:31.0/40

Out: 223.851+/-196.096 χ^2/NDF:72.1/43

All: -20.719+/-140.095 χ^2/NDF: 106.3/84

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 874.797+/-0.223 χ^2/NDF: 443843.7/17

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 878.856+/-0.214 χ^2/NDF: 398124.7/19

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

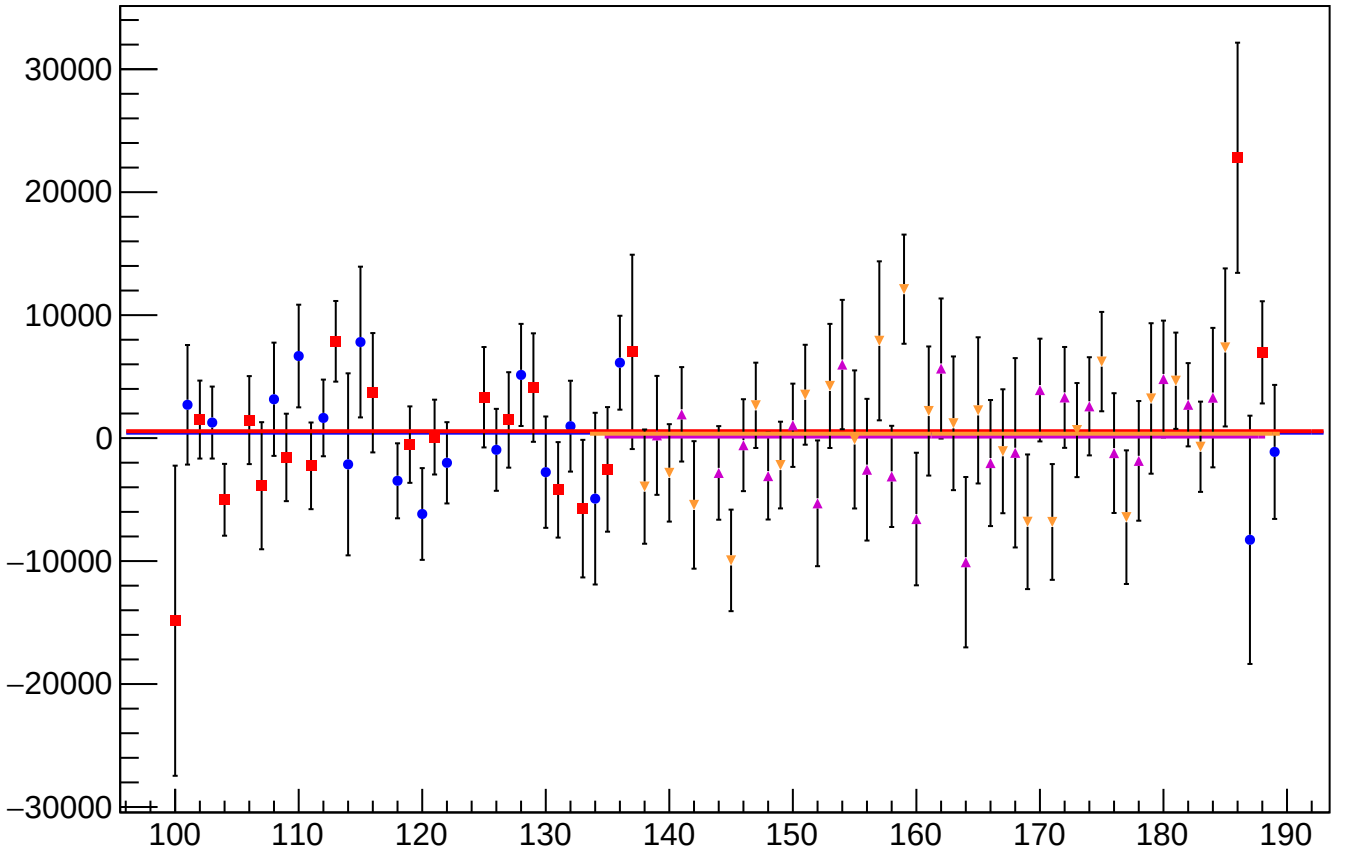
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 876.905+/-0.154 χ^2/NDF: 842140.8/37

In: 1011.006+/-0.142 χ^2/NDF:1518454.2/40

Out: 1005.864+/-0.138 χ^2/NDF:1481061.3/43

All: 1008.376+/-0.099 χ^2/NDF: 3000190.0/84



Right In: 442.272+/-960.021 χ^2/NDF: 15.5/17

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 560.249+/-896.082 χ^2/NDF: 25.6/19

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

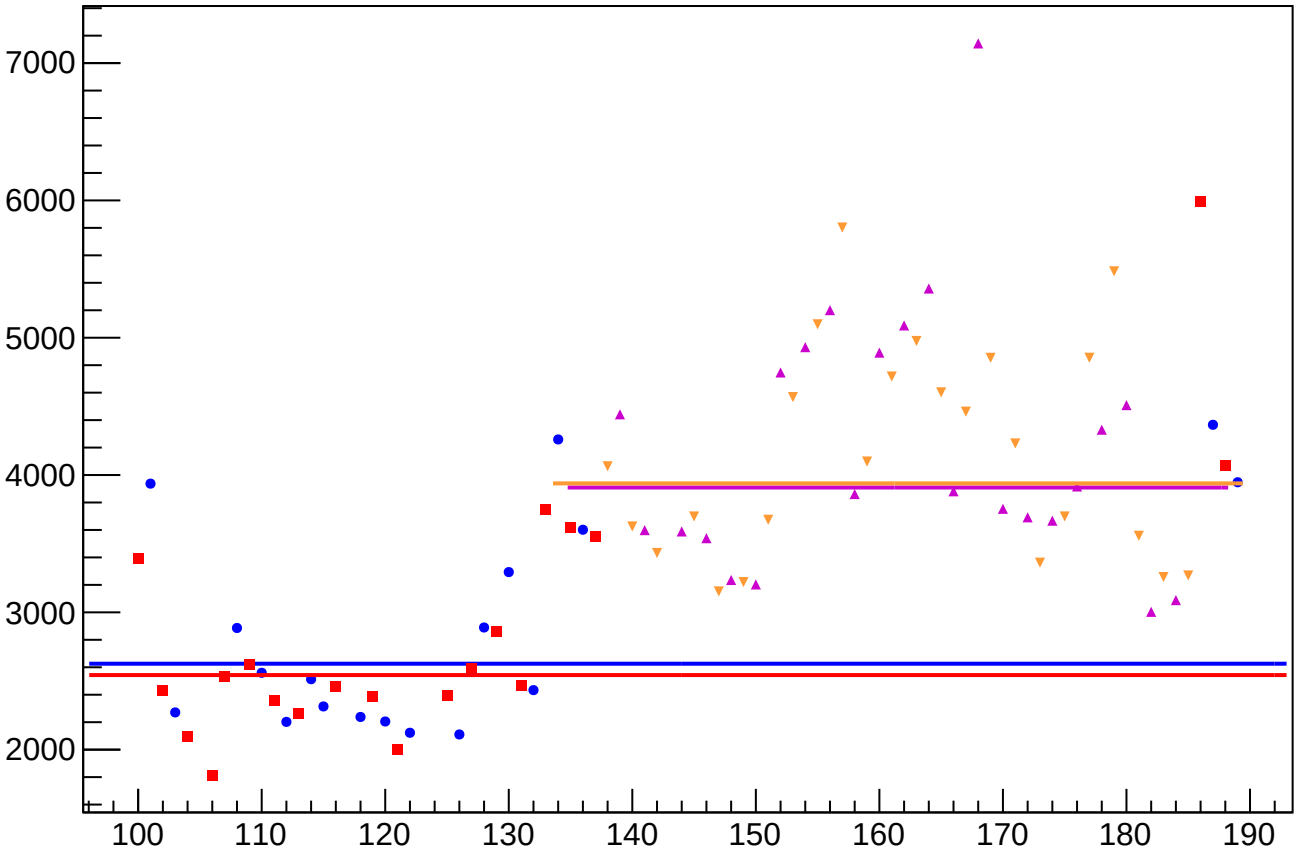
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 505.319+/-655.064 χ^2/NDF: 41.1/37

In: 279.889+/-668.948 χ^2/NDF:29.4/40

Out: 463.206+/-646.688 χ^2/NDF:55.9/43

All: 374.648+/-464.948 χ^2/NDF: 85.2/84



Right In: 2625.849+/-0.679 χ^2/NDF: 850190.5/17

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2543.137+/-0.634 χ^2/NDF: 1003797.0/19

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

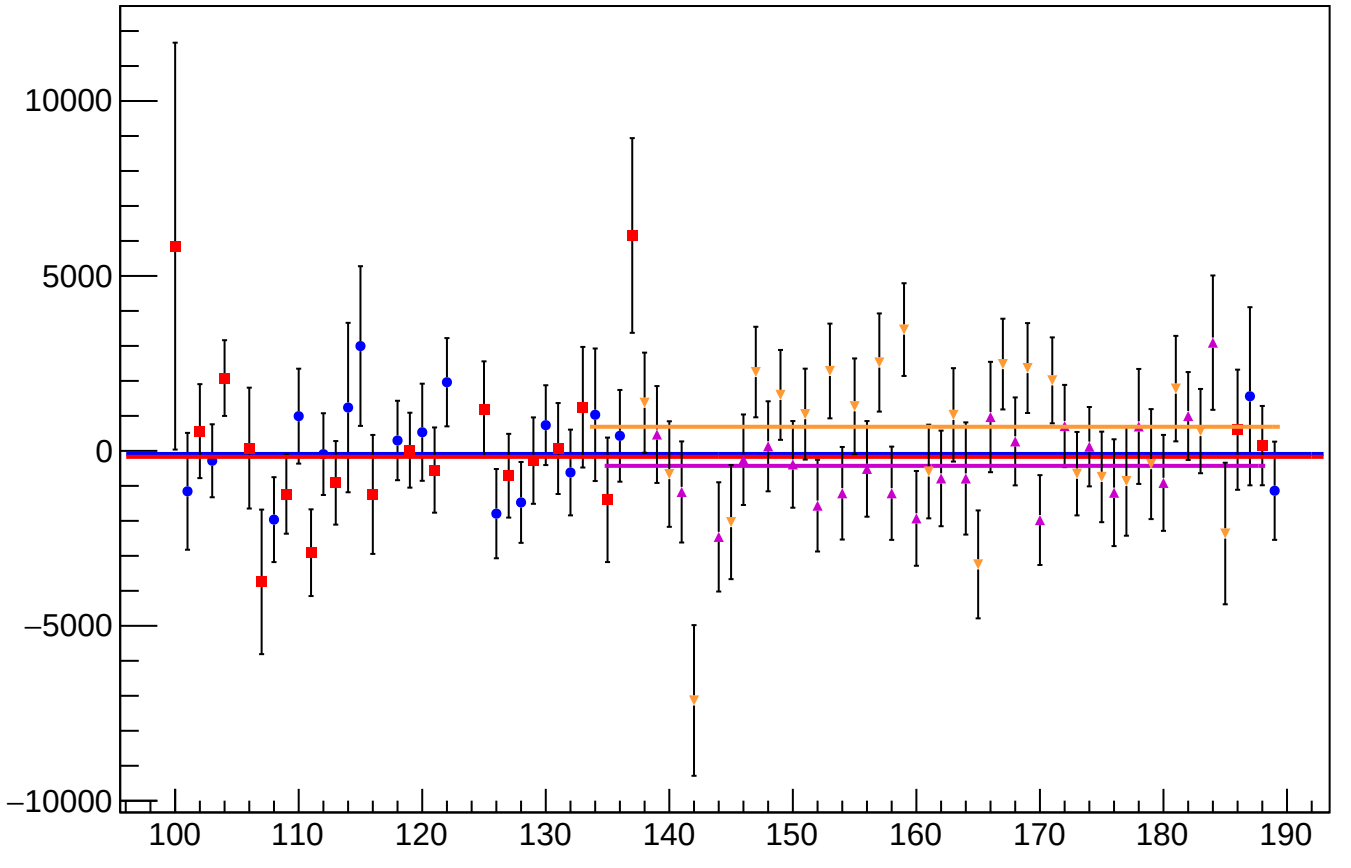
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2581.647+/-0.463 χ^2/NDF: 1861921.3/37

In: 3286.047+/-0.473 χ^2/NDF:3989471.2/40

Out: 3212.122+/-0.457 χ^2/NDF:4422813.3/43

All: 3247.834+/-0.329 χ^2/NDF: 8424910.0/84



Right In: -87.682+/-318.789 χ^2/NDF: 14.0/17

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -170.821+/-309.957 χ^2/NDF: 23.2/19

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

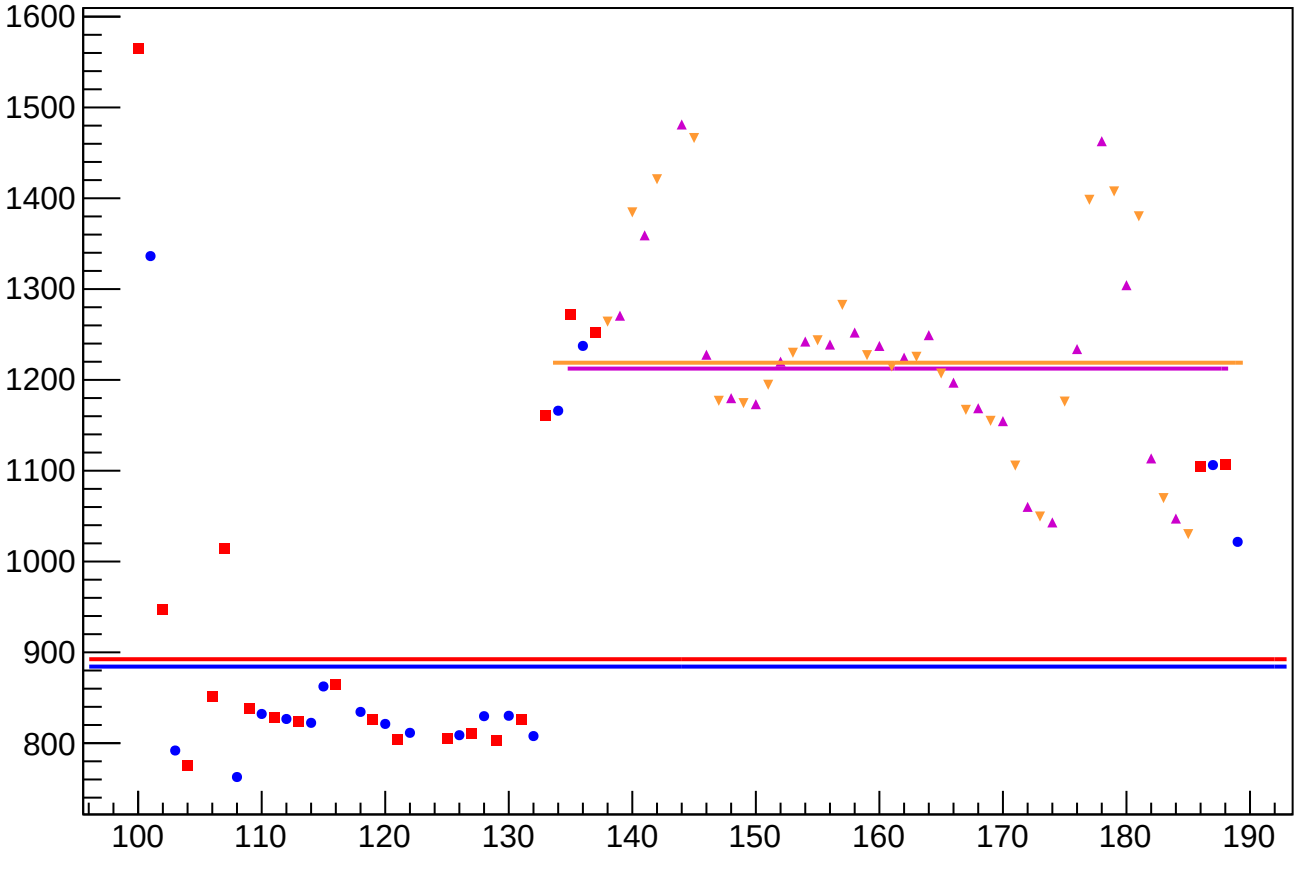
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -130.419+/-222.230 χ^2/NDF: 37.2/37

In: -277.220+/-212.215 χ^2/NDF:29.2/40

Out: 296.059+/-209.550 χ^2/NDF:73.2/43

All: 13.041+/-149.107 χ^2/NDF: 106.1/84



Right In: 884.302+/-0.225 χ^2/NDF: 453810.7/17

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 892.438+/-0.219 χ^2/NDF: 404831.0/19

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

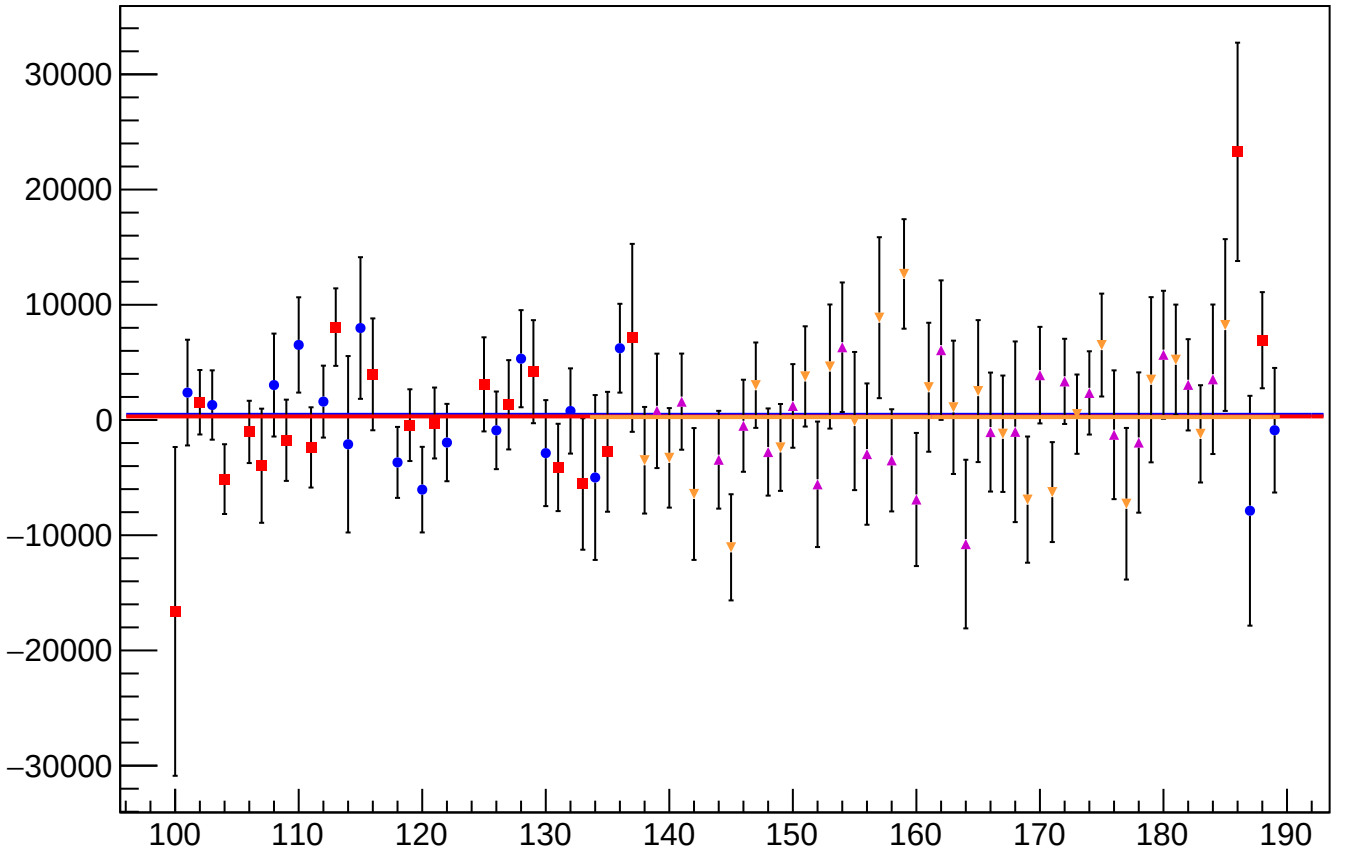
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 888.488+/-0.157 χ^2/NDF: 859311.9/37

In: 1067.032+/-0.150 χ^2/NDF:1894179.4/40

Out: 1069.560+/-0.148 χ^2/NDF:1904672.3/43

All: 1068.312+/-0.105 χ^2/NDF: 3798995.5/84



Right In: 449.740+/-964.406 χ^2/NDF: 15.5/17

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 310.367+/-870.569 χ^2/NDF: 25.9/19

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

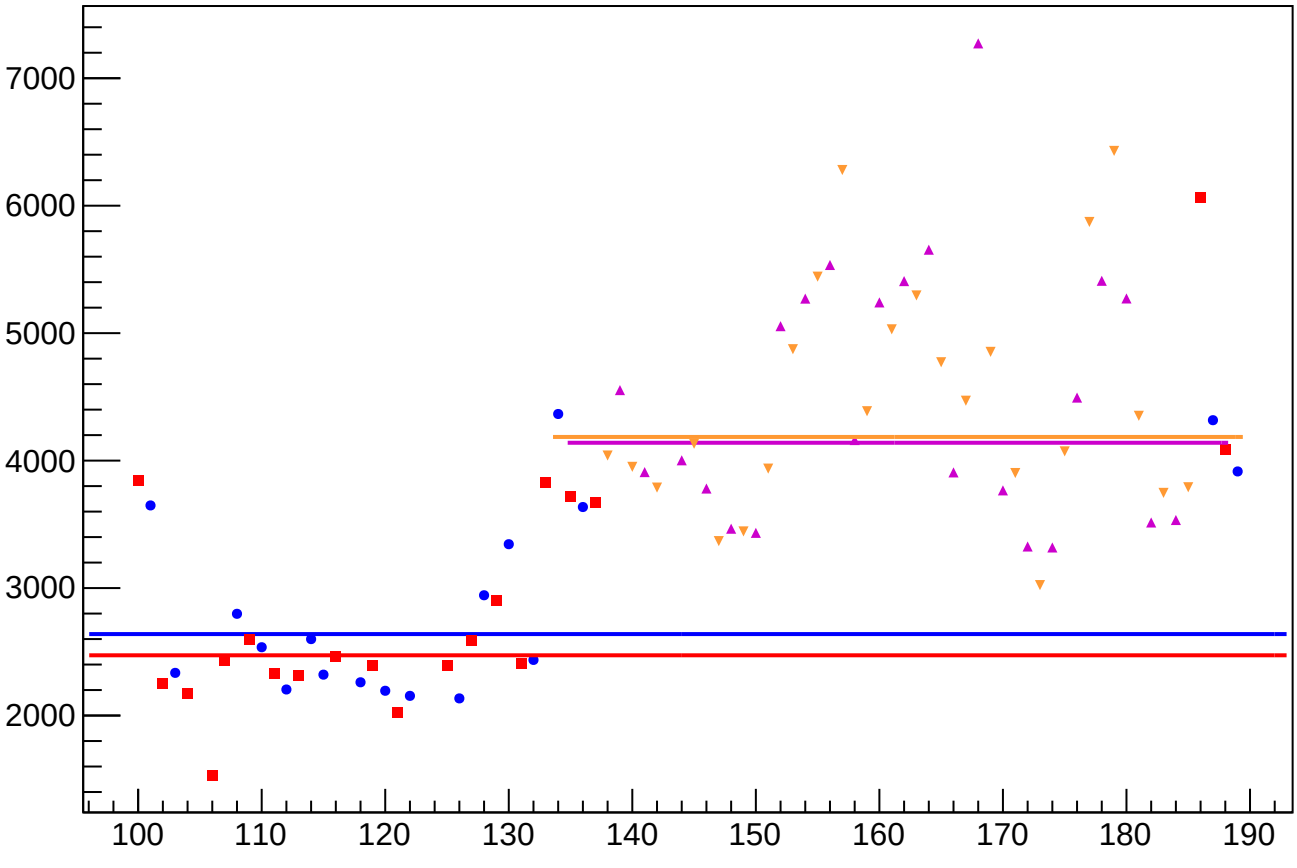
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 372.945+/-646.221 χ^2/NDF: 41.4/37

In: 360.398+/-690.837 χ^2/NDF:28.9/40

Out: 285.412+/-655.231 χ^2/NDF:55.6/43

All: 320.923+/-475.408 χ^2/NDF: 84.5/84



Right In: 2639.072+/-0.682 χ^2/NDF: 792246.9/17

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2472.613+/-0.616 χ^2/NDF: 1227250.3/19

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

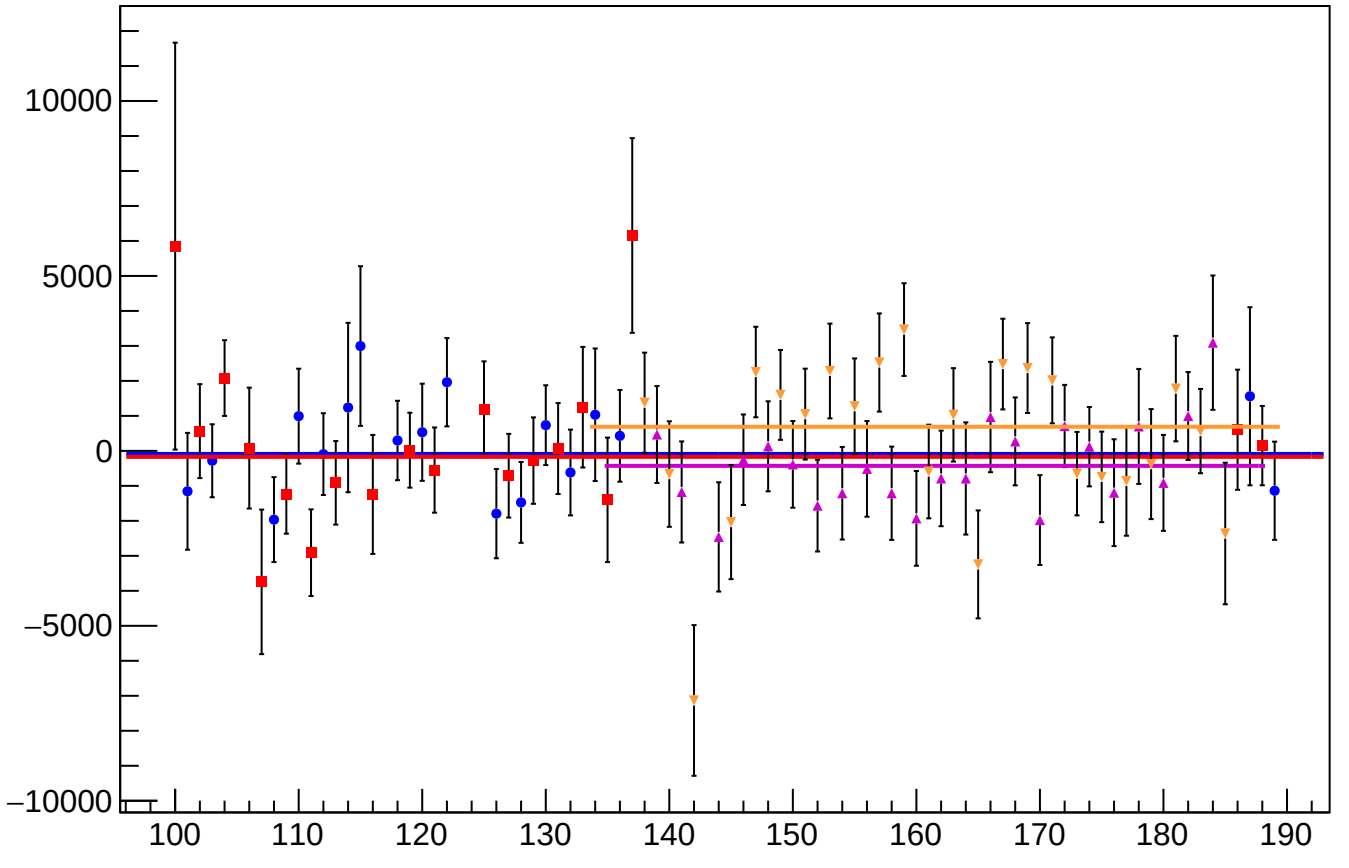
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2547.352+/-0.457 χ^2/NDF: 2052328.0/37

In: 3369.846+/-0.488 χ^2/NDF:4600845.4/40

Out: 3215.256+/-0.463 χ^2/NDF:5855661.2/43

All: 3288.465+/-0.336 χ^2/NDF: 10509228.0/8



Right In: -87.686+/-318.789 χ^2/NDF: 14.0/17

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -170.826+/-309.957 χ^2/NDF: 23.2/19

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

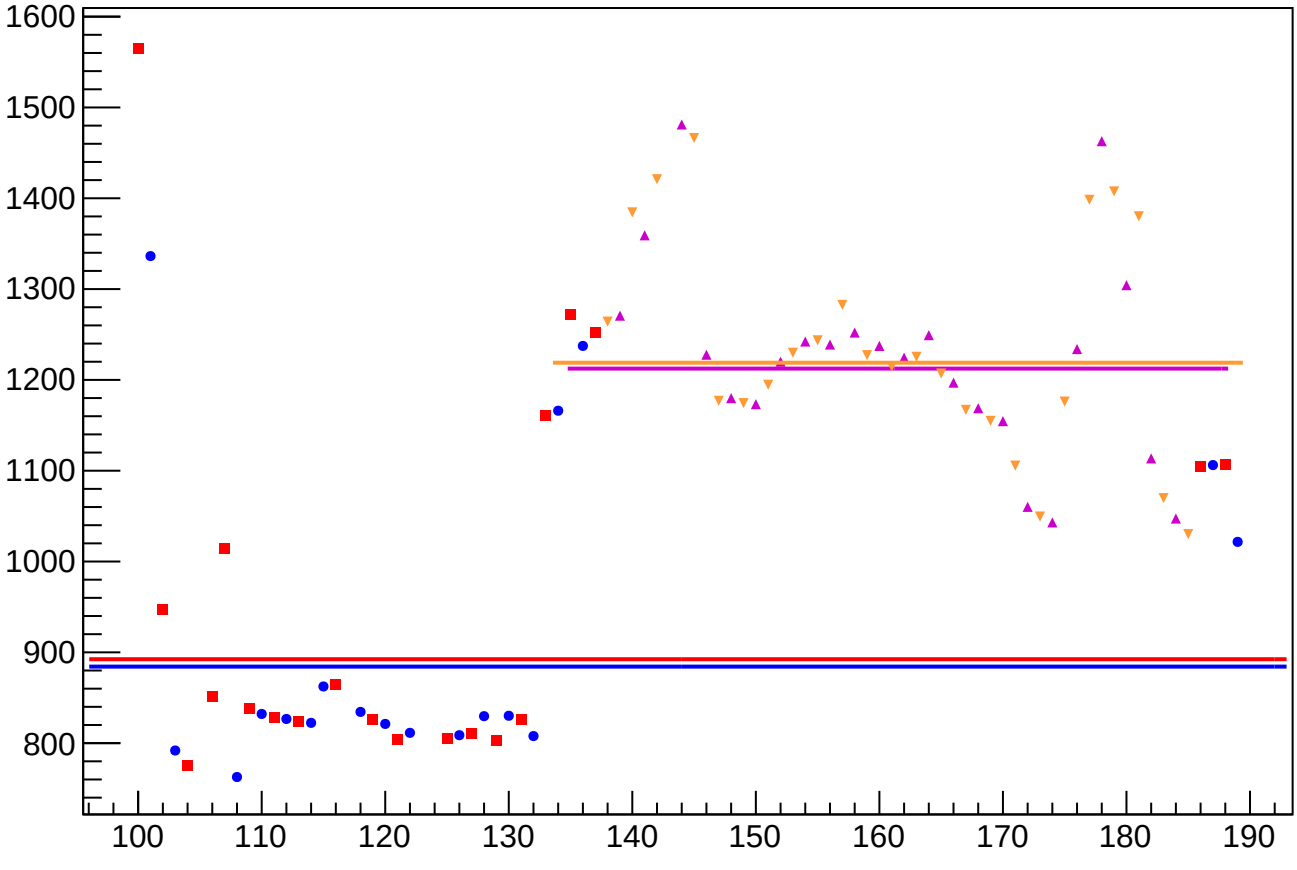
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -130.423+/-222.230 χ^2/NDF: 37.2/37

In: -277.220+/-212.215 χ^2/NDF:29.2/40

Out: 296.057+/-209.550 χ^2/NDF:73.2/43

All: 13.041+/-149.108 χ^2/NDF: 106.1/84



Right In: 884.302+/-0.225 χ^2/NDF: 453810.3/17

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 892.438+/-0.219 χ^2/NDF: 404830.6/19

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

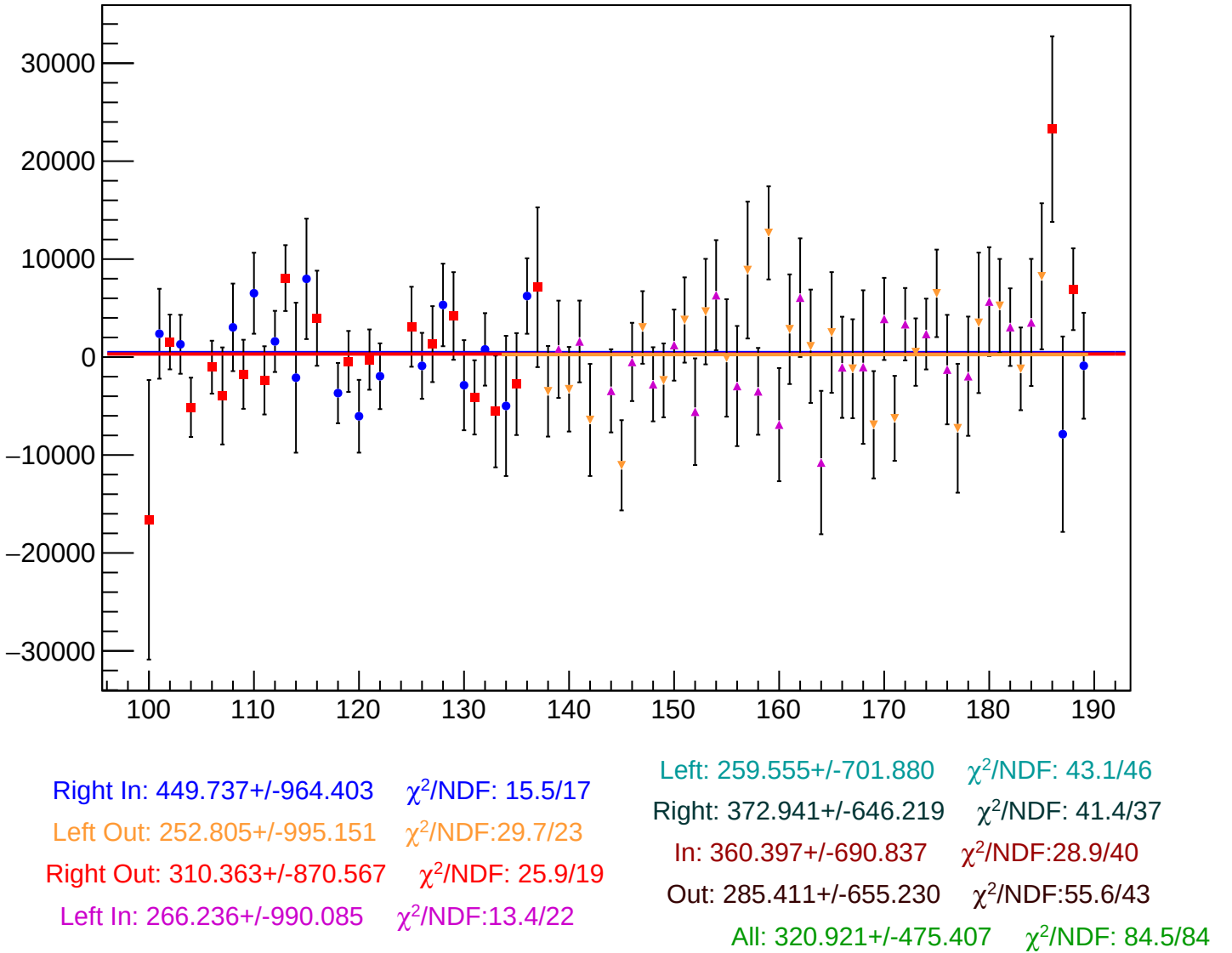
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 888.488+/-0.157 χ^2/NDF: 859311.2/37

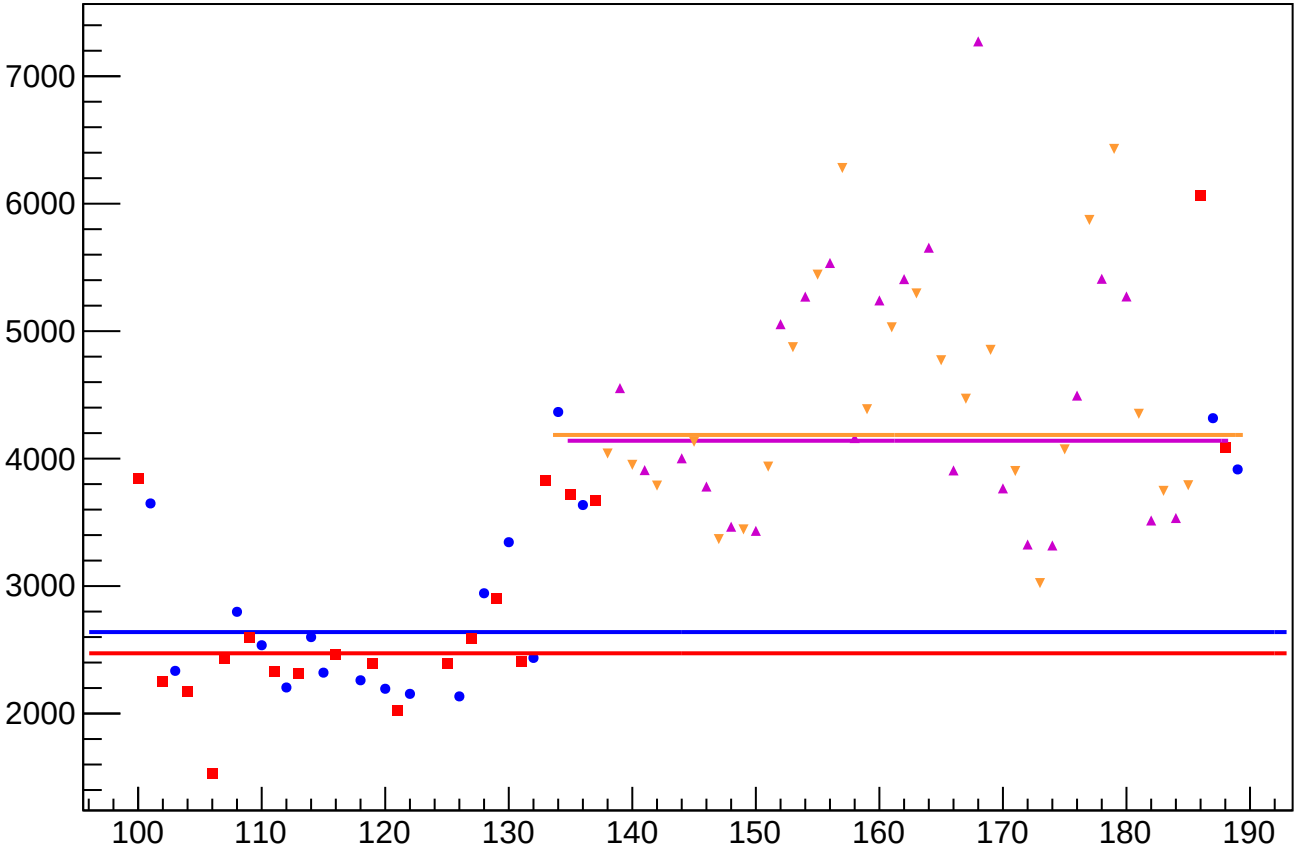
In: 1067.032+/-0.150 χ^2/NDF:1894195.4/40

Out: 1069.560+/-0.148 χ^2/NDF:1904689.5/43

All: 1068.313+/-0.105 χ^2/NDF: 3799028.6/84


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 449.737+/-964.403 χ²/NDF: 15.5/17
Left Out: 252.805+/-995.151 χ²/NDF:29.7/23
Right Out: 310.363+/-870.567 χ²/NDF: 25.9/19
Left In: 266.236+/-990.085 χ²/NDF:13.4/22
Left: 259.555+/-701.880 χ²/NDF: 43.1/46
Right: 372.941+/-646.219 χ²/NDF: 41.4/37
In: 360.397+/-690.837 χ²/NDF:28.9/40
Out: 285.411+/-655.230 χ²/NDF:55.6/43
All: 320.921+/-475.407 χ²/NDF: 84.5/84

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2639.064+/-0.682 χ^2/NDF: 792256.2/17

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2472.606+/-0.616 χ^2/NDF: 1227259.0/19

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

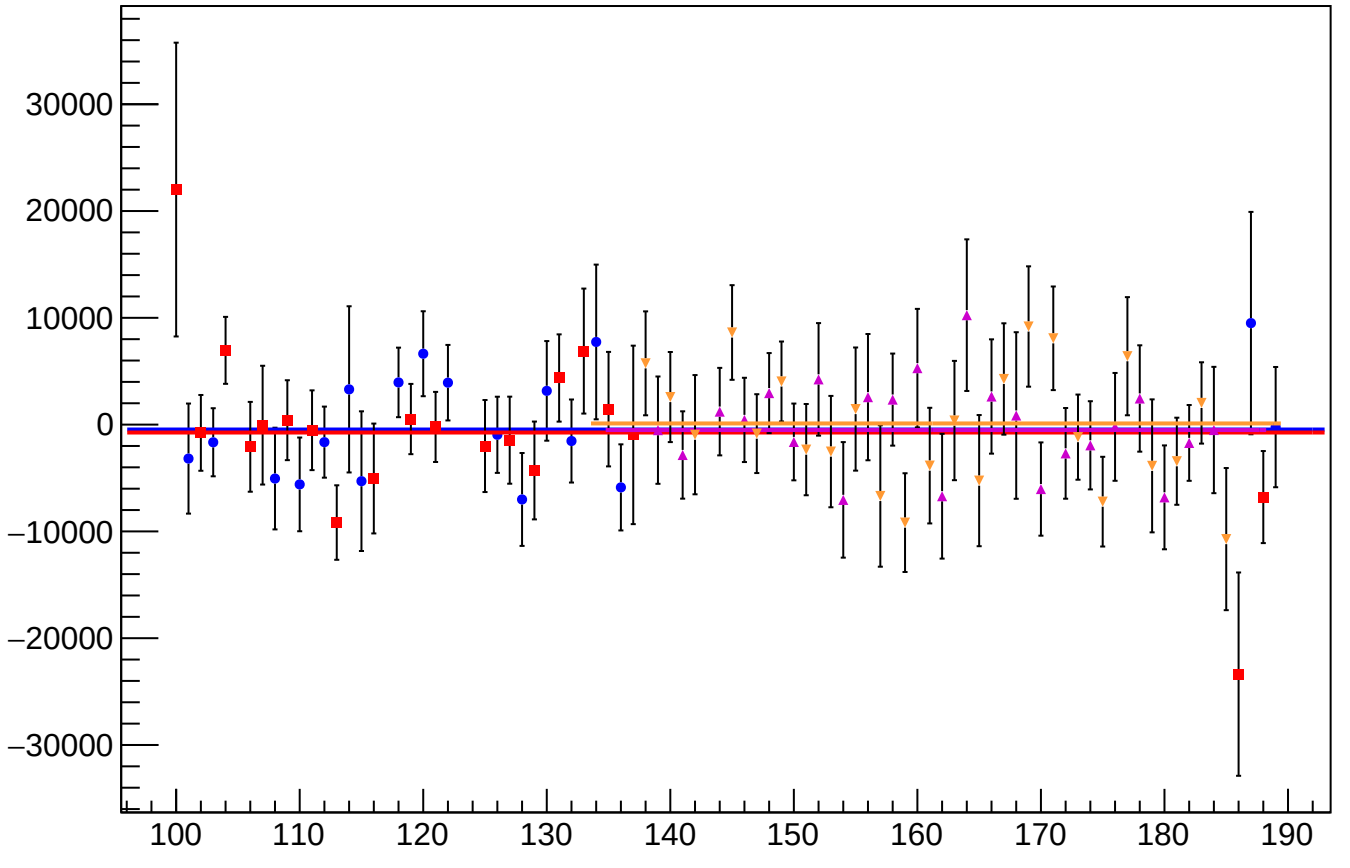
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2547.344+/-0.457 χ^2/NDF: 2052345.6/37

In: 3369.842+/-0.488 χ^2/NDF:4600907.4/40

Out: 3215.252+/-0.463 χ^2/NDF:5855728.0/43

All: 3288.460+/-0.336 χ^2/NDF: 10509356.7/8



Right In: -458.939+/-1018.098 χ^2/NDF: 17.2/17

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -740.321+/-958.495 χ^2/NDF: 27.5/19

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

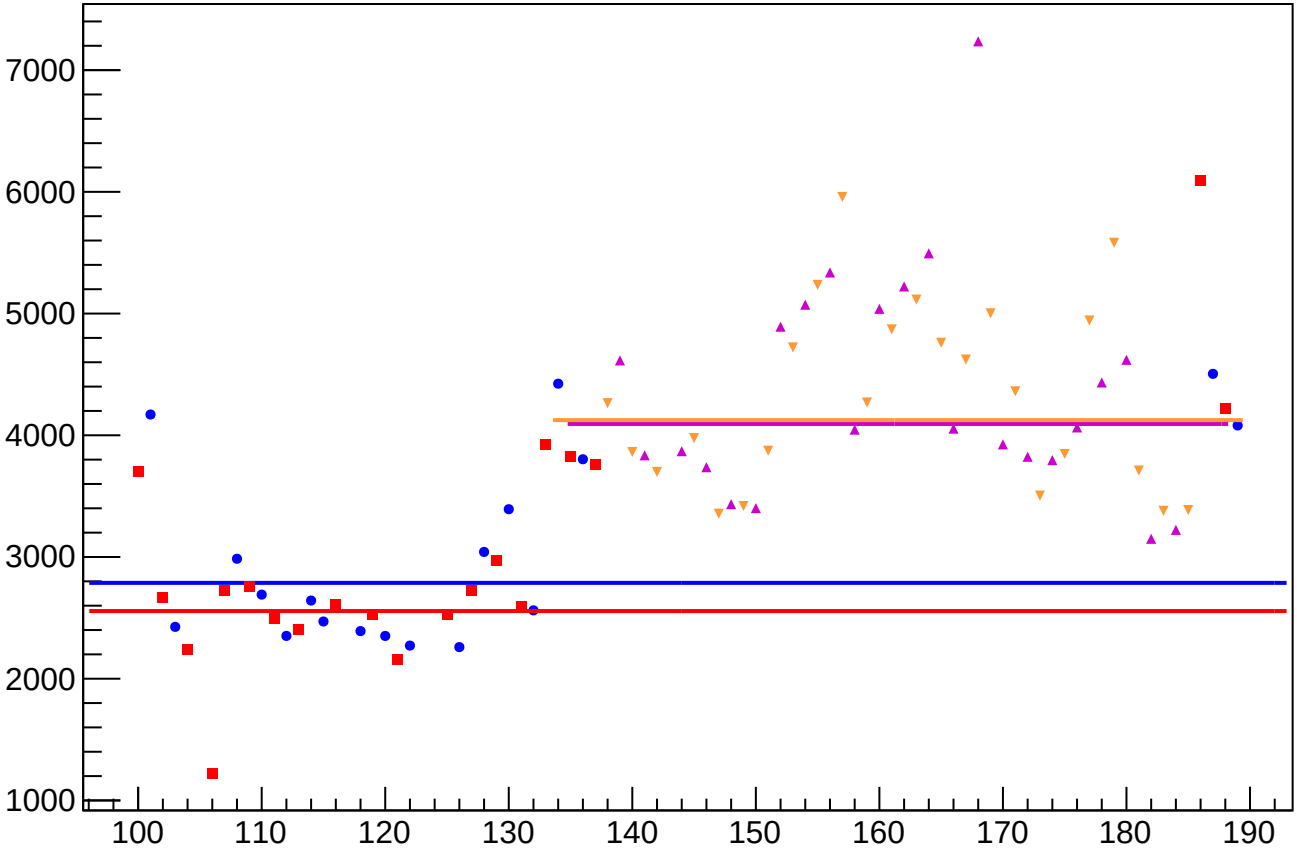
Right: -608.107+/-697.878 χ^2/NDF: 44.6/37

In: -485.085+/-703.860 χ^2/NDF:30.7/40

Out: -323.187+/-683.725 χ^2/NDF:55.9/43

All: -401.787+/-490.431 χ^2/NDF: 86.6/84

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2787.514+/-0.720 χ^2/NDF: 789898.2/17

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2555.940+/-0.648 χ^2/NDF: 1496435.3/19

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

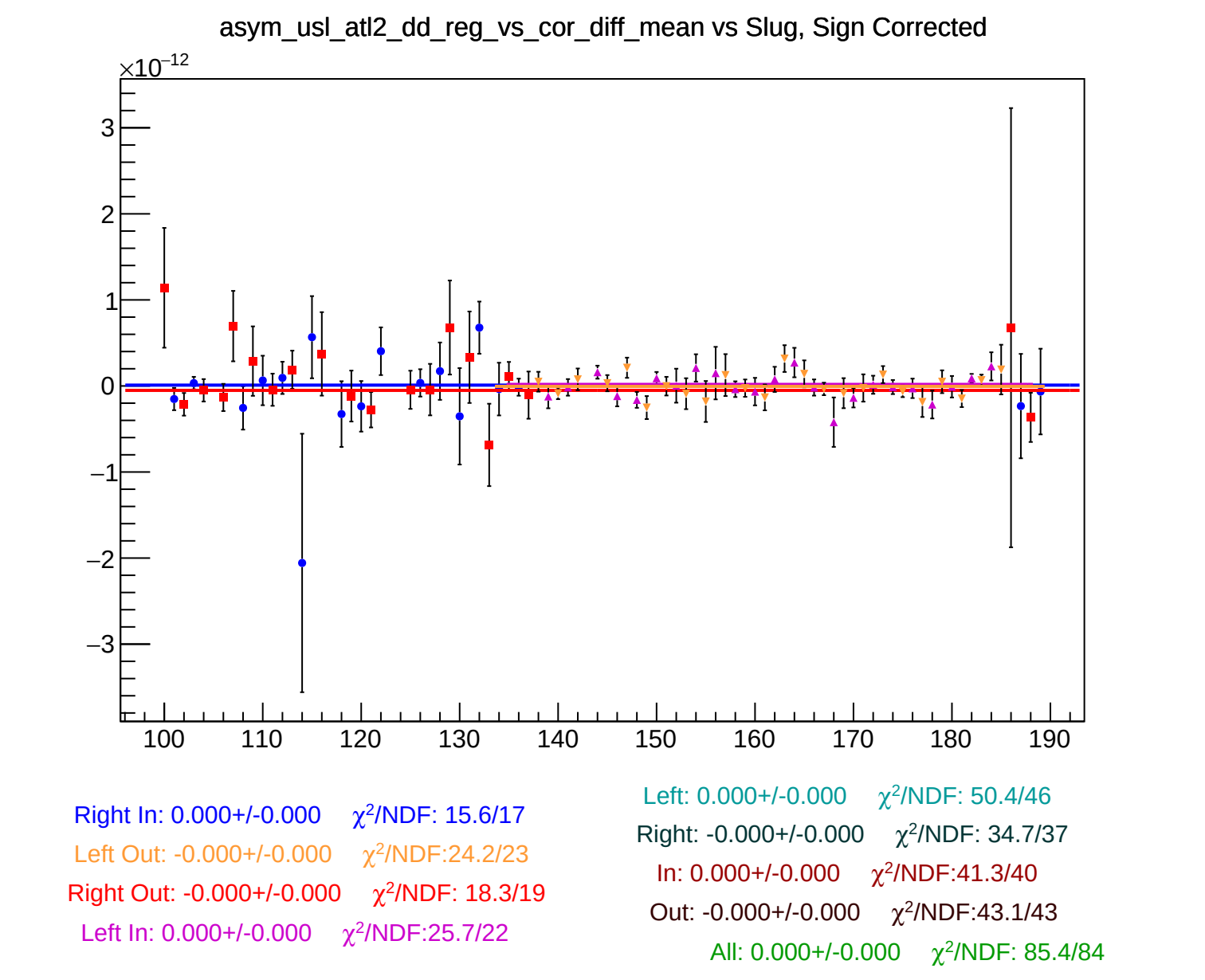
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2659.675+/-0.482 χ^2/NDF: 2343455.5/37

In: 3469.060+/-0.498 χ^2/NDF:3669636.8/40

Out: 3291.788+/-0.473 χ^2/NDF:5210916.5/43

All: 3375.822+/-0.343 χ^2/NDF: 8947278.1/84


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
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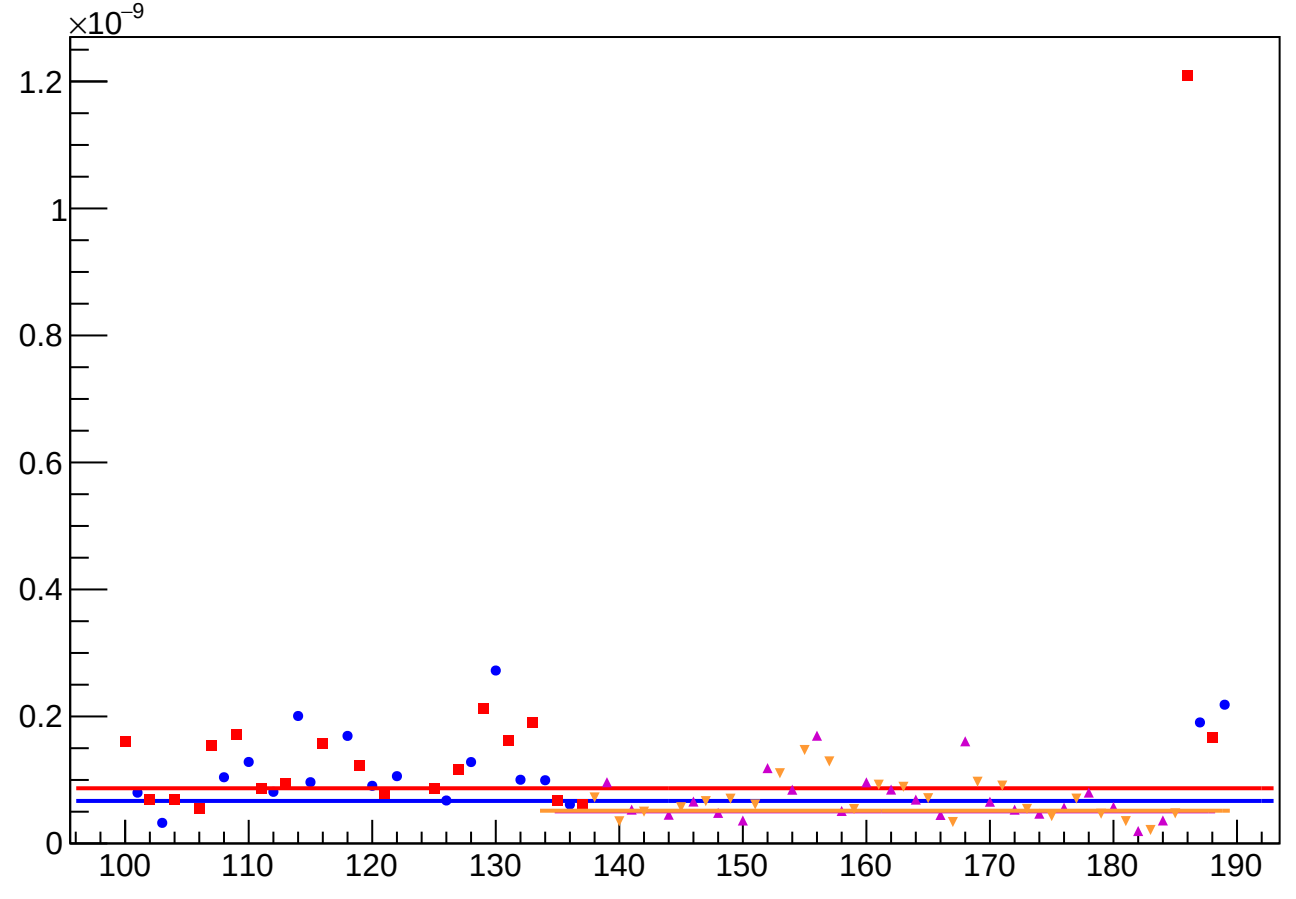
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.6/17
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.3/19
Left In: 0.000+/-0.000 χ²/NDF:25.7/22
Left: 0.000+/-0.000 χ²/NDF: 50.4/46
Right: -0.000+/-0.000 χ²/NDF: 34.7/37
In: 0.000+/-0.000 χ²/NDF:41.3/40
Out: -0.000+/-0.000 χ²/NDF:43.1/43
All: 0.000+/-0.000 χ²/NDF: 85.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 1494394.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1240294.6/19

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

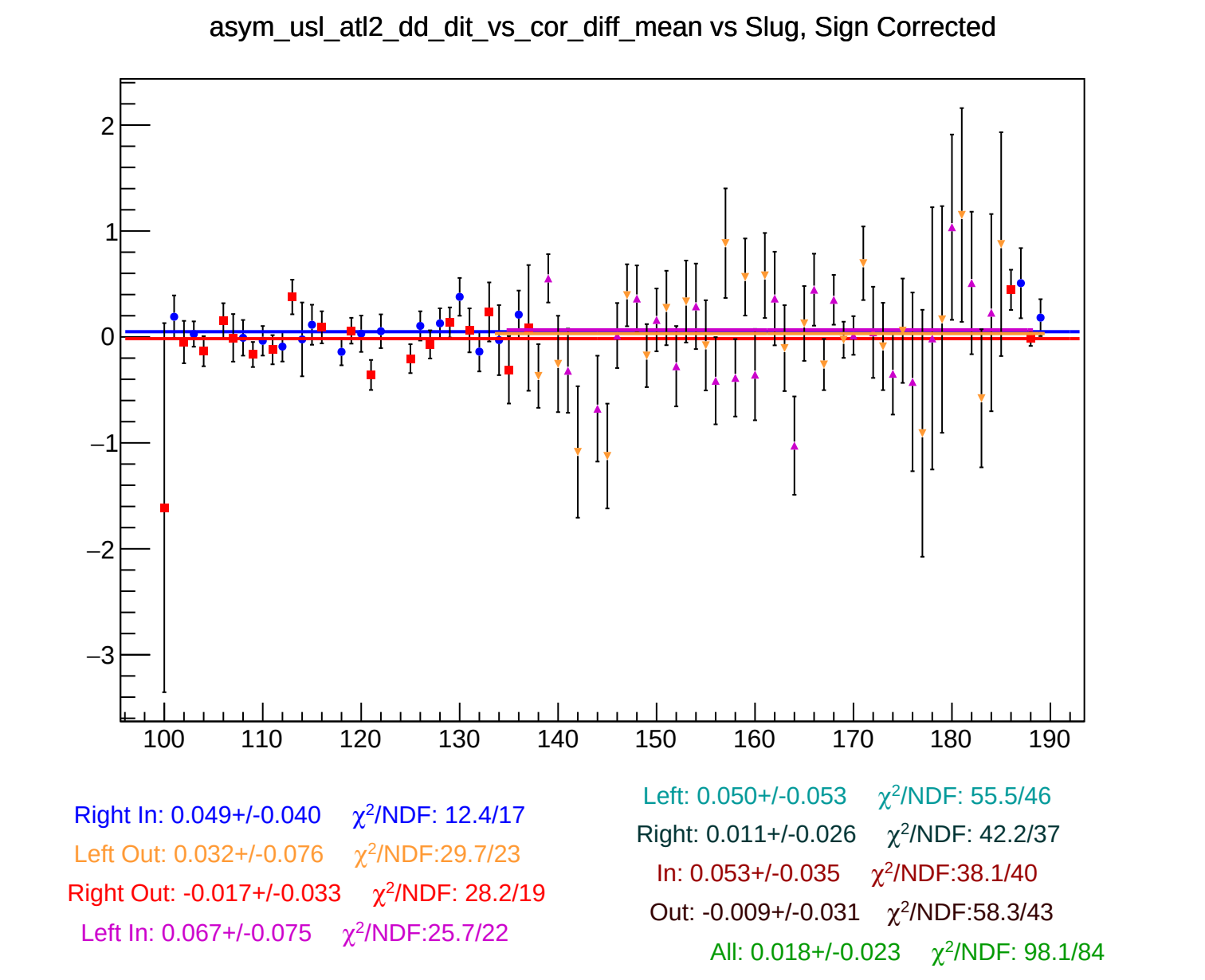
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 2905351.9/37

In: 0.000+/-0.000 χ^2/NDF:4153045.3/40

Out: 0.000+/-0.000 χ^2/NDF:4279681.1/43

All: 0.000+/-0.000 χ^2/NDF: 8457110.2/84


asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
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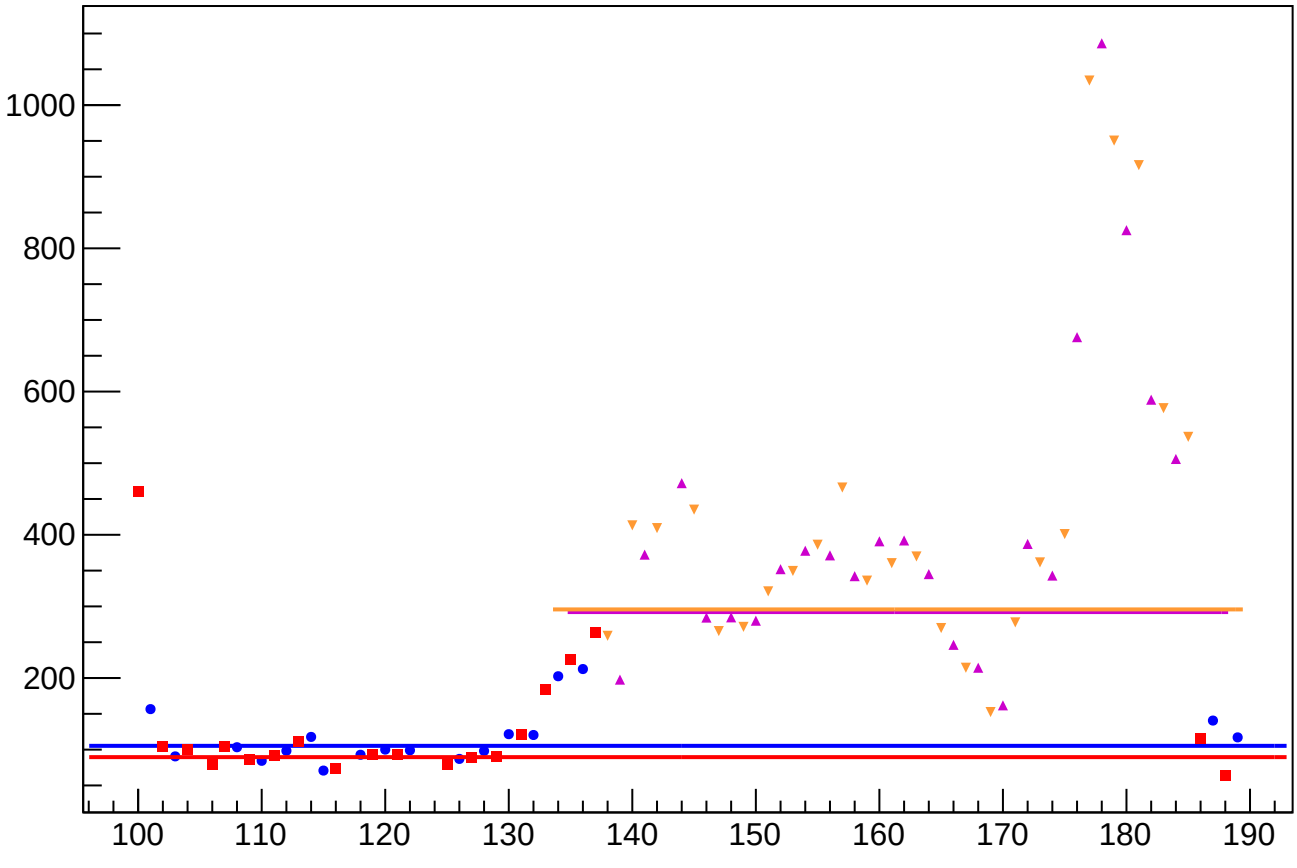
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.049+/-0.040 χ²/NDF: 12.4/17
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.017+/-0.033 χ²/NDF: 28.2/19
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.011+/-0.026 χ²/NDF: 42.2/37
In: 0.053+/-0.035 χ²/NDF:38.1/40
Out: -0.009+/-0.031 χ²/NDF:58.3/43
All: 0.018+/-0.023 χ²/NDF: 98.1/84



Right In: 105.298+/-0.028 χ^2/NDF: 1023518.4/17

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.4/19

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

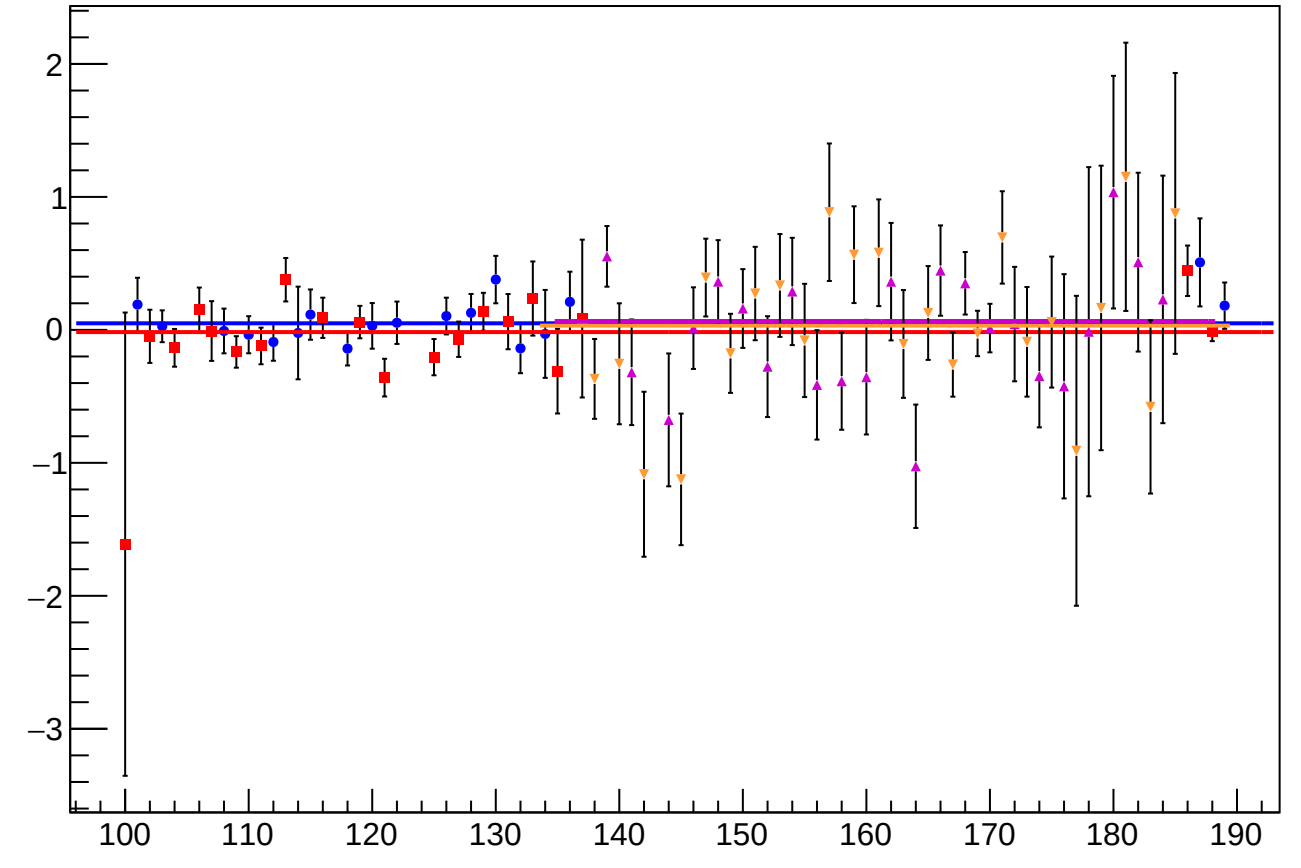
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 96.079+/-0.018 χ^2/NDF: 2545944.9/37

In: 146.341+/-0.025 χ^2/NDF:15832963.9/40

Out: 122.955+/-0.022 χ^2/NDF:19181954.1/43

All: 133.077+/-0.016 χ^2/NDF: 35520606.8/84



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

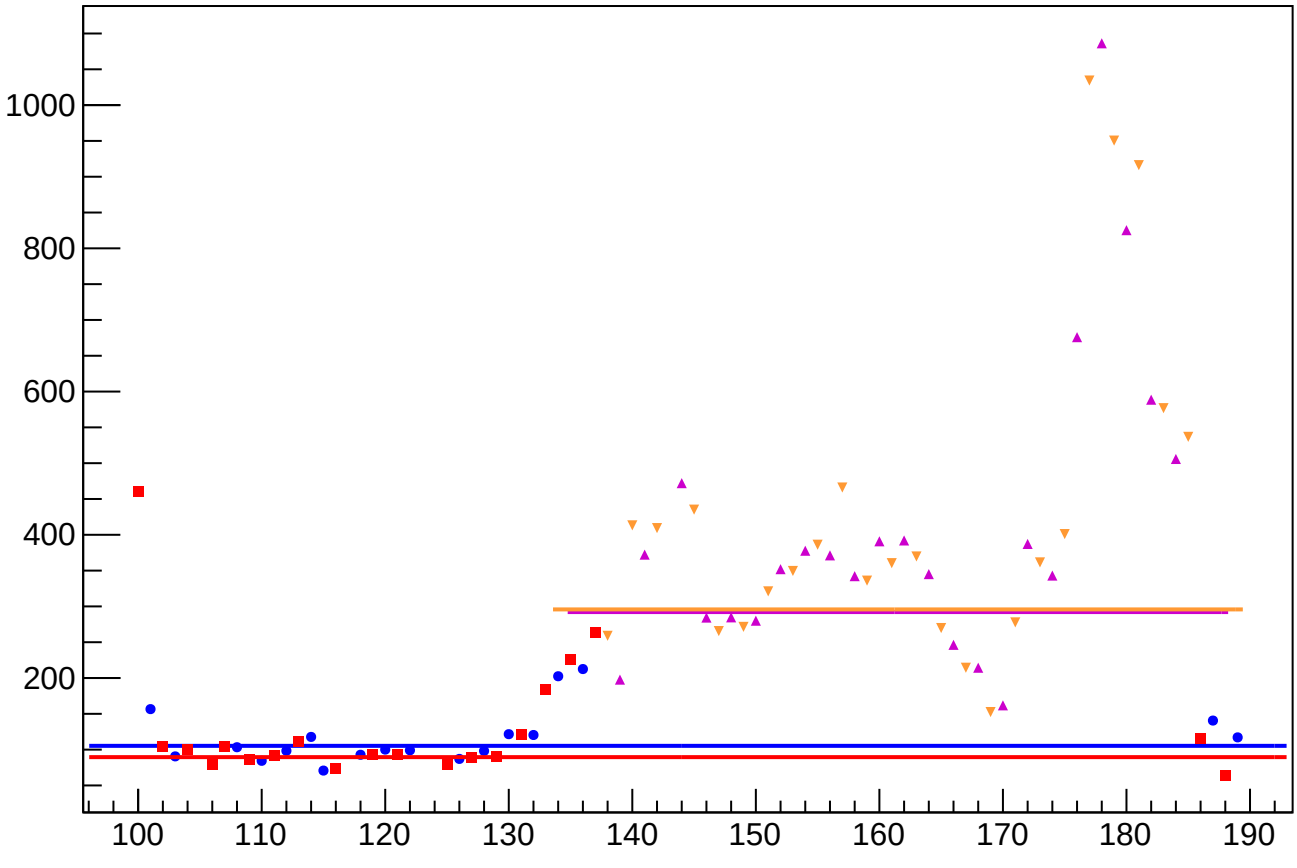
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.011+/-0.026 χ^2/NDF: 42.2/37

In: 0.053+/-0.035 χ^2/NDF:38.1/40

Out: -0.009+/-0.031 χ^2/NDF:58.3/43

All: 0.018+/-0.023 χ^2/NDF: 98.1/84



Right In: 105.298+/-0.028 χ^2/NDF: 1023518.4/17

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.4/19

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

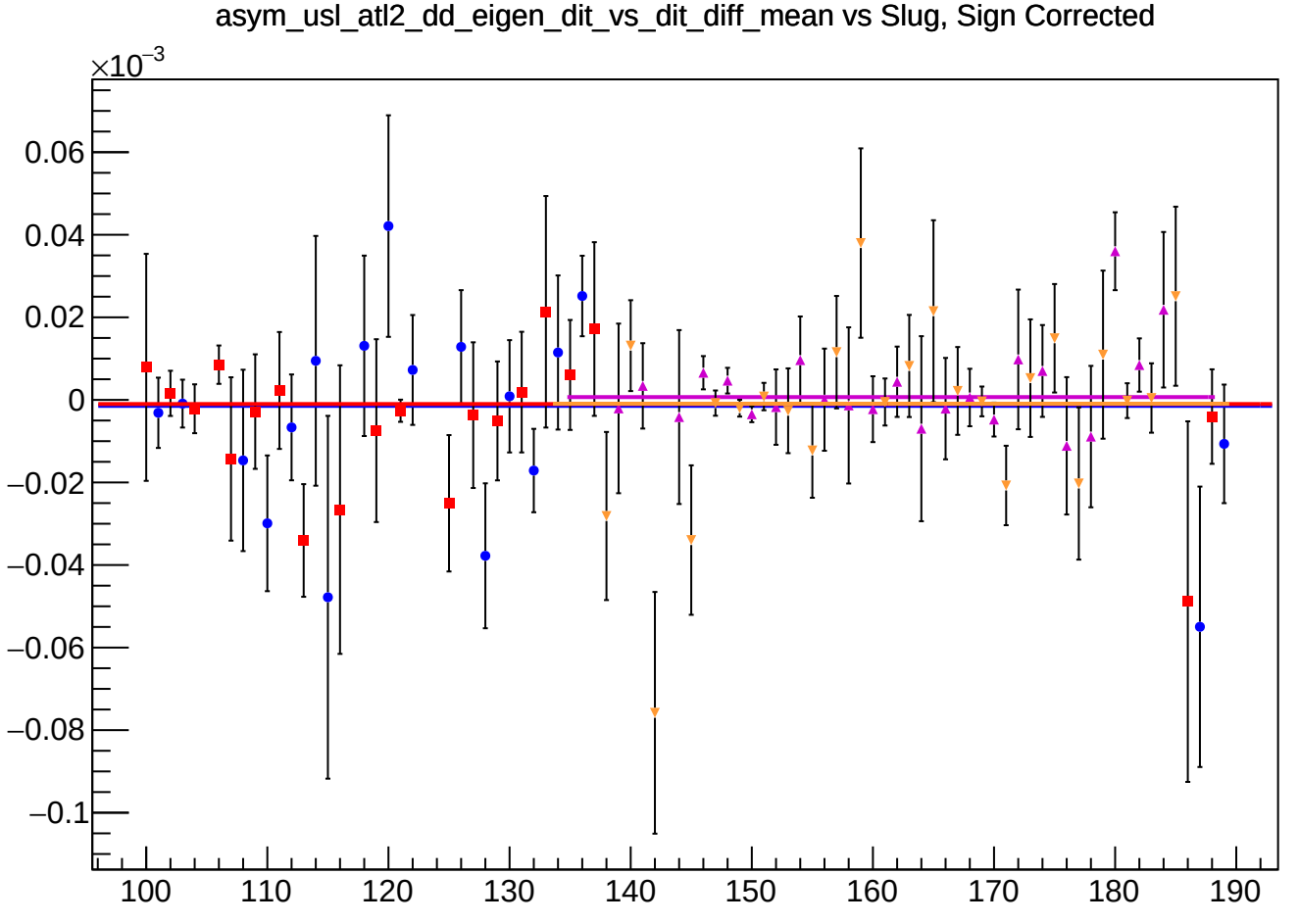
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 96.079+/-0.018 χ^2/NDF: 2545944.9/37

In: 146.341+/-0.025 χ^2/NDF:15832963.9/40

Out: 122.955+/-0.022 χ^2/NDF:19181954.1/43

All: 133.077+/-0.016 χ^2/NDF: 35520606.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

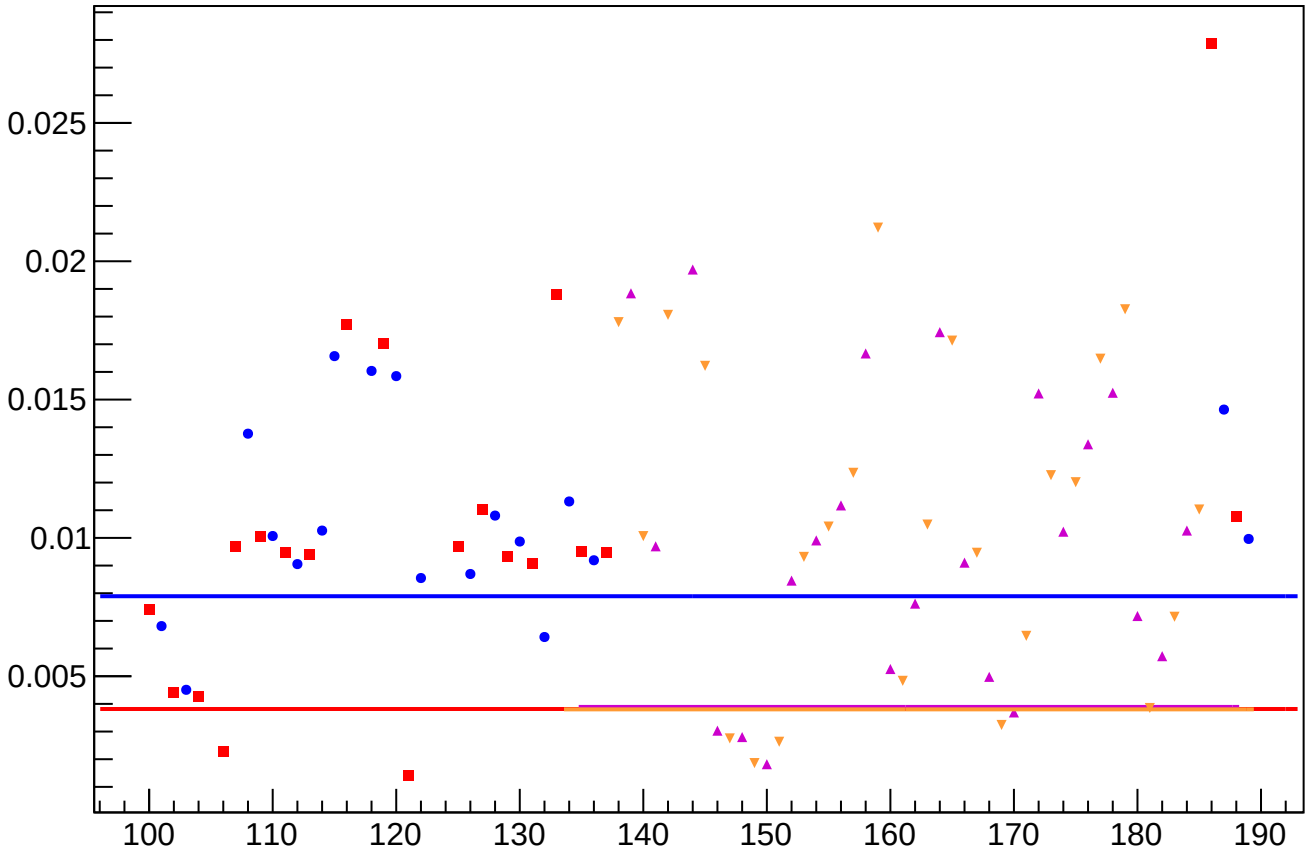
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 44.1/37

In: 0.000+/-0.000 χ^2/NDF:57.2/40

Out: -0.000+/-0.000 χ^2/NDF:46.2/43

All: -0.000+/-0.000 χ^2/NDF: 104.2/84



Right In: 0.008+/-0.000 χ^2/NDF: 1826861.8/17

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7740379.4/19

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

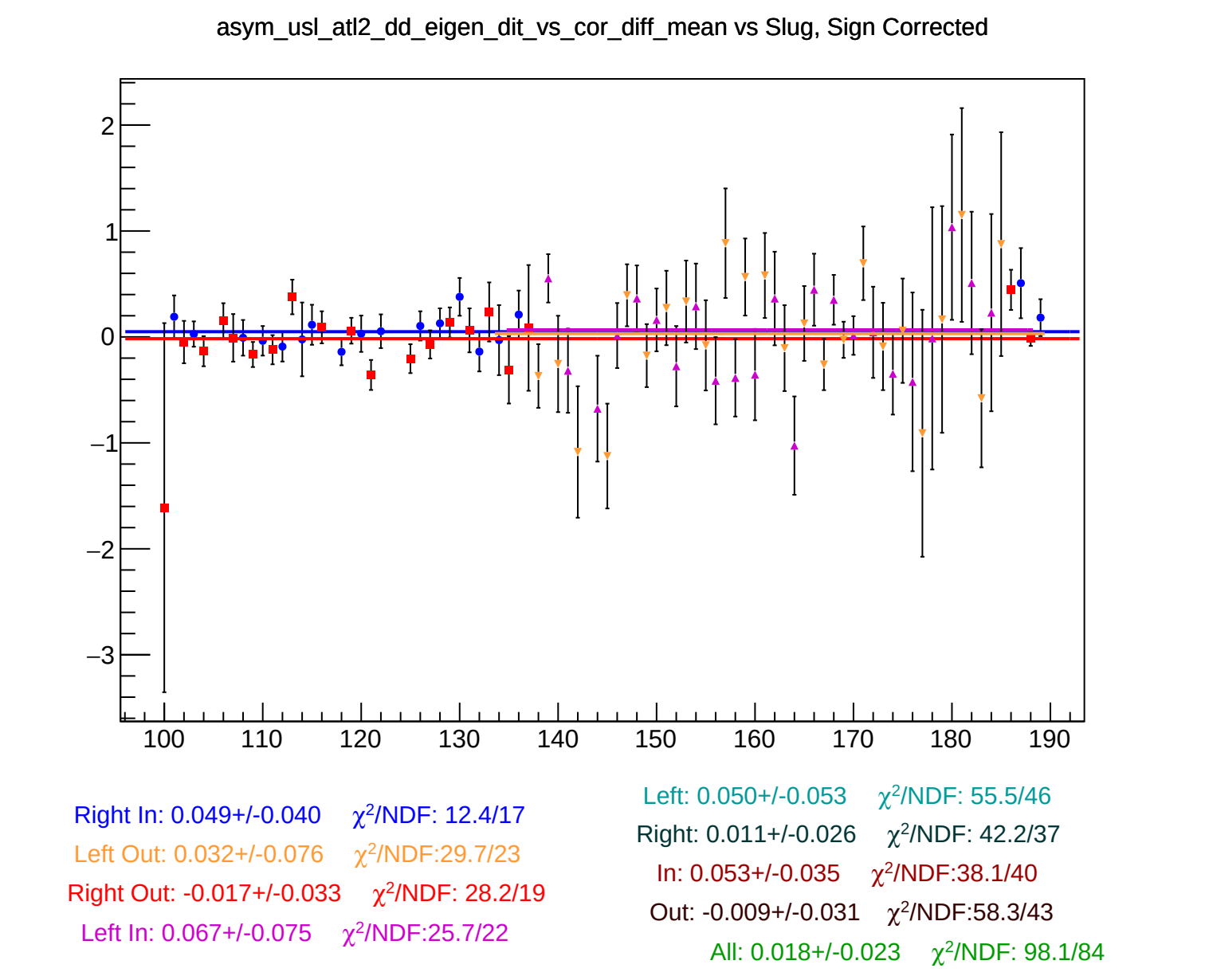
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.005+/-0.000 χ^2/NDF: 12231338.1/37

In: 0.004+/-0.000 χ^2/NDF:18342912.2/40

Out: 0.004+/-0.000 χ^2/NDF:22365382.0/43

All: 0.004+/-0.000 χ^2/NDF: 41081243.8/84


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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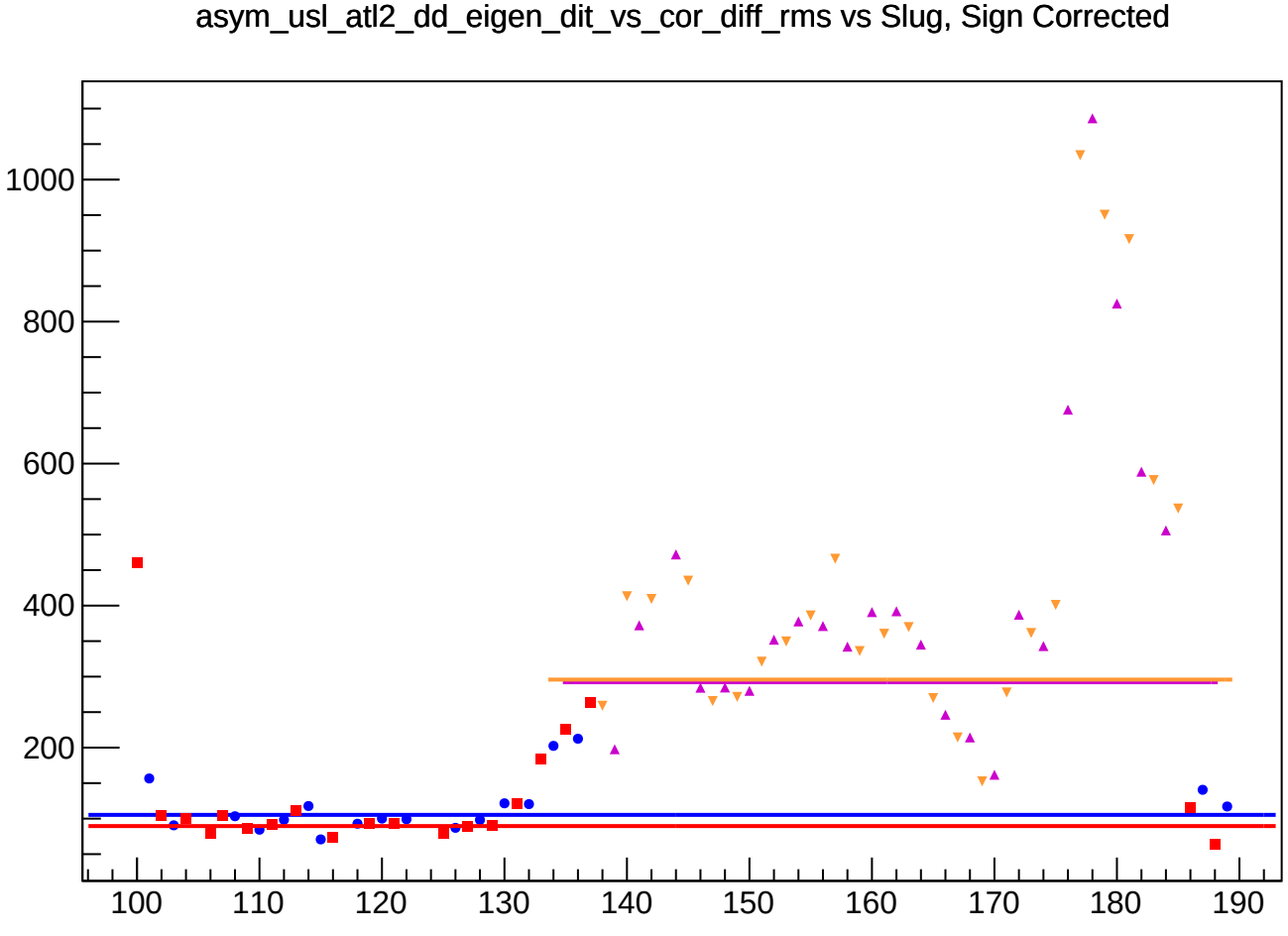
Right In: 0.049+/-0.040 χ²/NDF: 12.4/17
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: -0.017+/-0.033 χ²/NDF: 28.2/19
Left In: 0.067+/-0.075 χ²/NDF:25.7/22
Left: 0.050+/-0.053 χ²/NDF: 55.5/46
Right: 0.011+/-0.026 χ²/NDF: 42.2/37
In: 0.053+/-0.035 χ²/NDF:38.1/40
Out: -0.009+/-0.031 χ²/NDF:58.3/43
All: 0.018+/-0.023 χ²/NDF: 98.1/84



Right In: 105.298+/-0.028 χ^2/NDF: 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.2/19

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

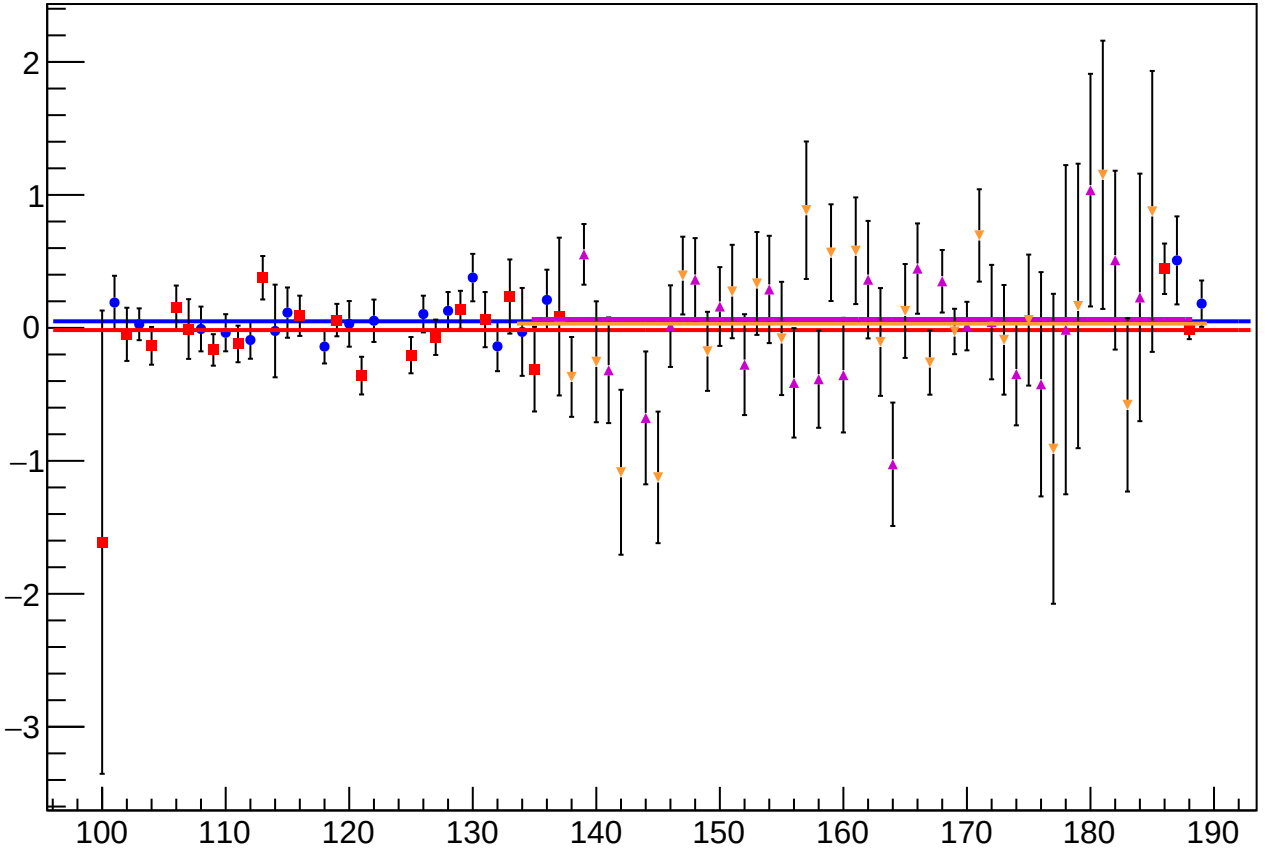
Right: 96.078+/-0.018 χ^2/NDF: 2545916.6/37

In: 146.341+/-0.025 χ^2/NDF:15832981.3/40

Out: 122.954+/-0.022 χ^2/NDF:19182196.3/43

All: 133.077+/-0.016 χ^2/NDF: 35520939.0/84

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.040 χ^2/NDF: 12.4/17

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

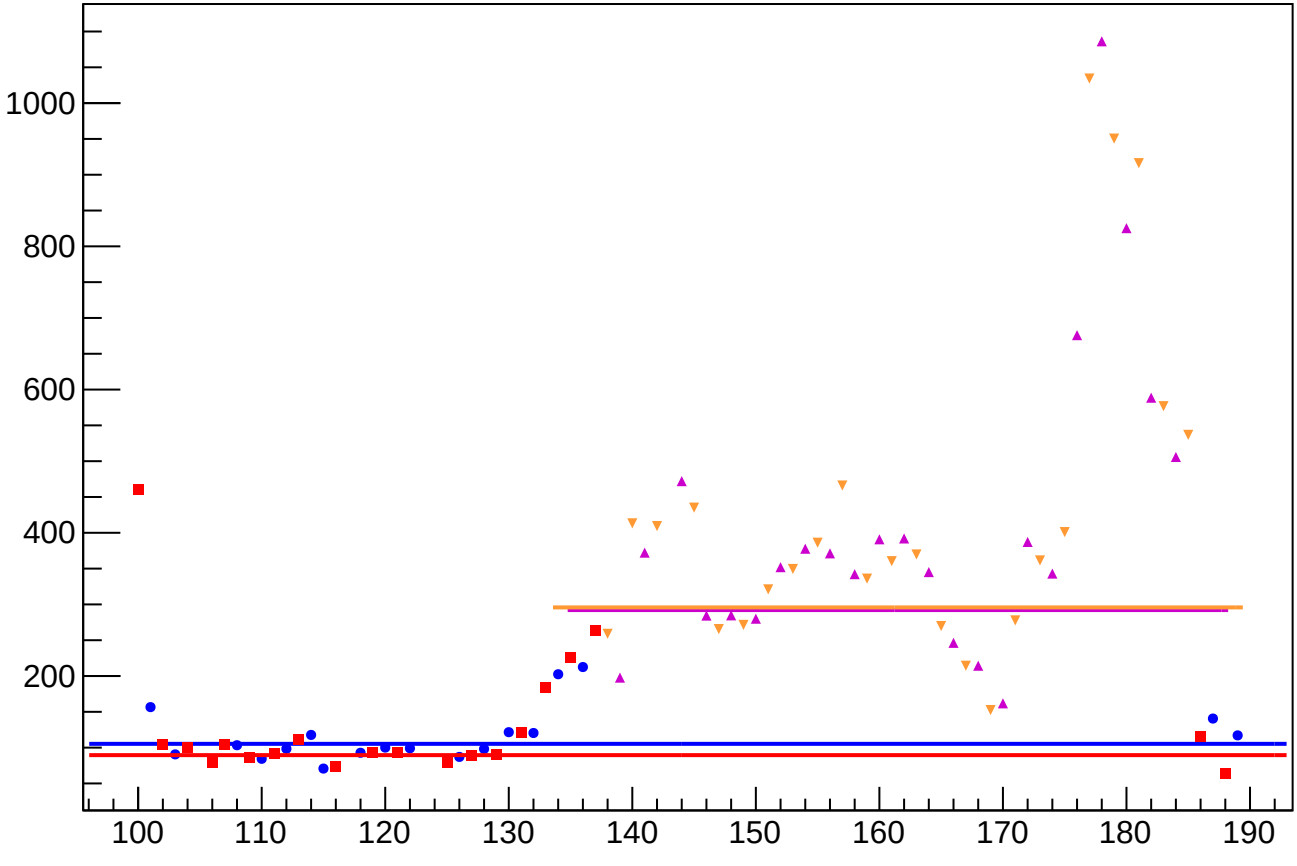
Right: 0.011+/-0.026 χ^2/NDF: 42.2/37

In: 0.053+/-0.035 χ^2/NDF:38.1/40

Out: -0.009+/-0.031 χ^2/NDF:58.3/43

All: 0.018+/-0.023 χ^2/NDF: 98.1/84

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 105.298+/-0.028 χ^2/NDF: 1023462.7/17

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.2/19

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

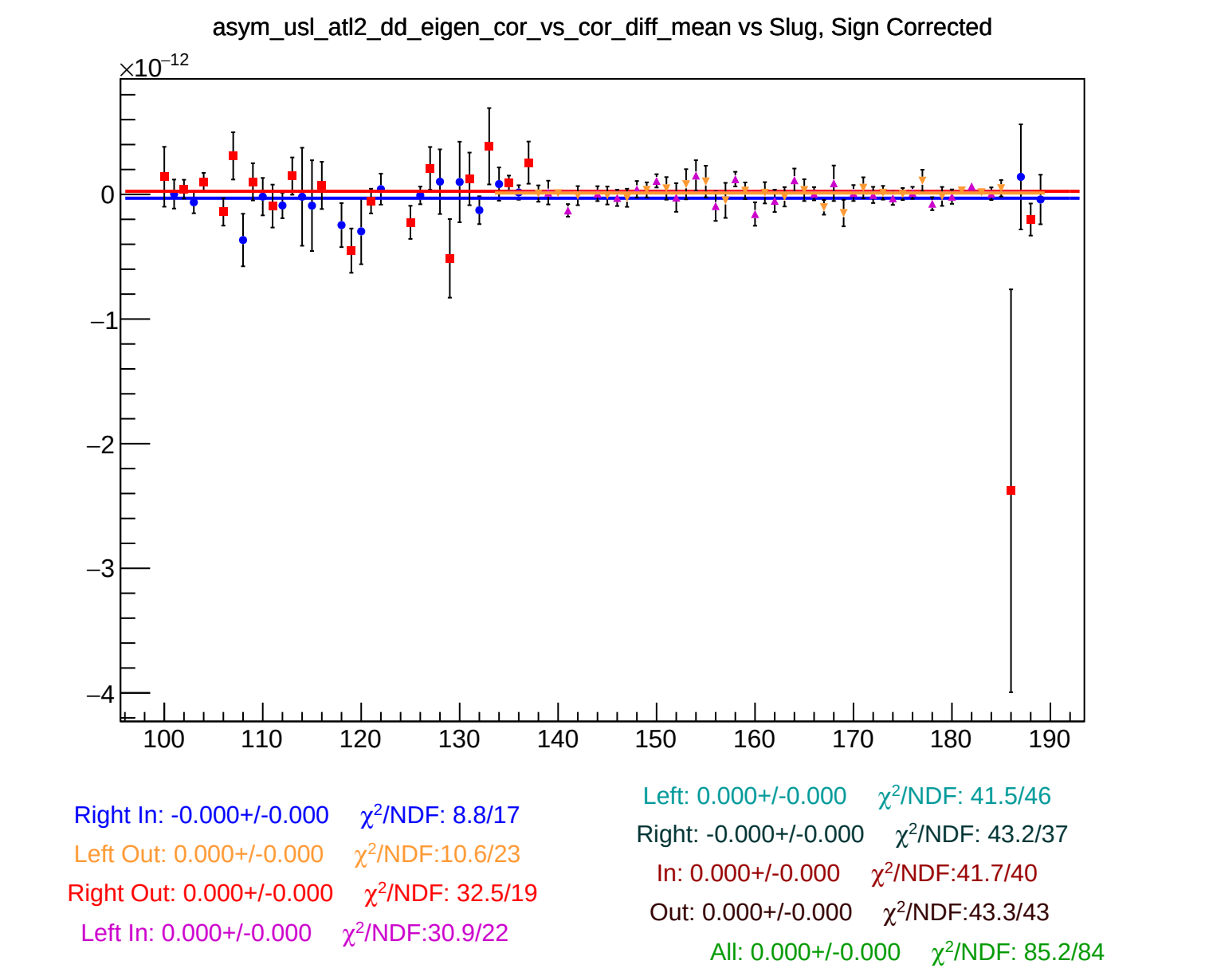
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

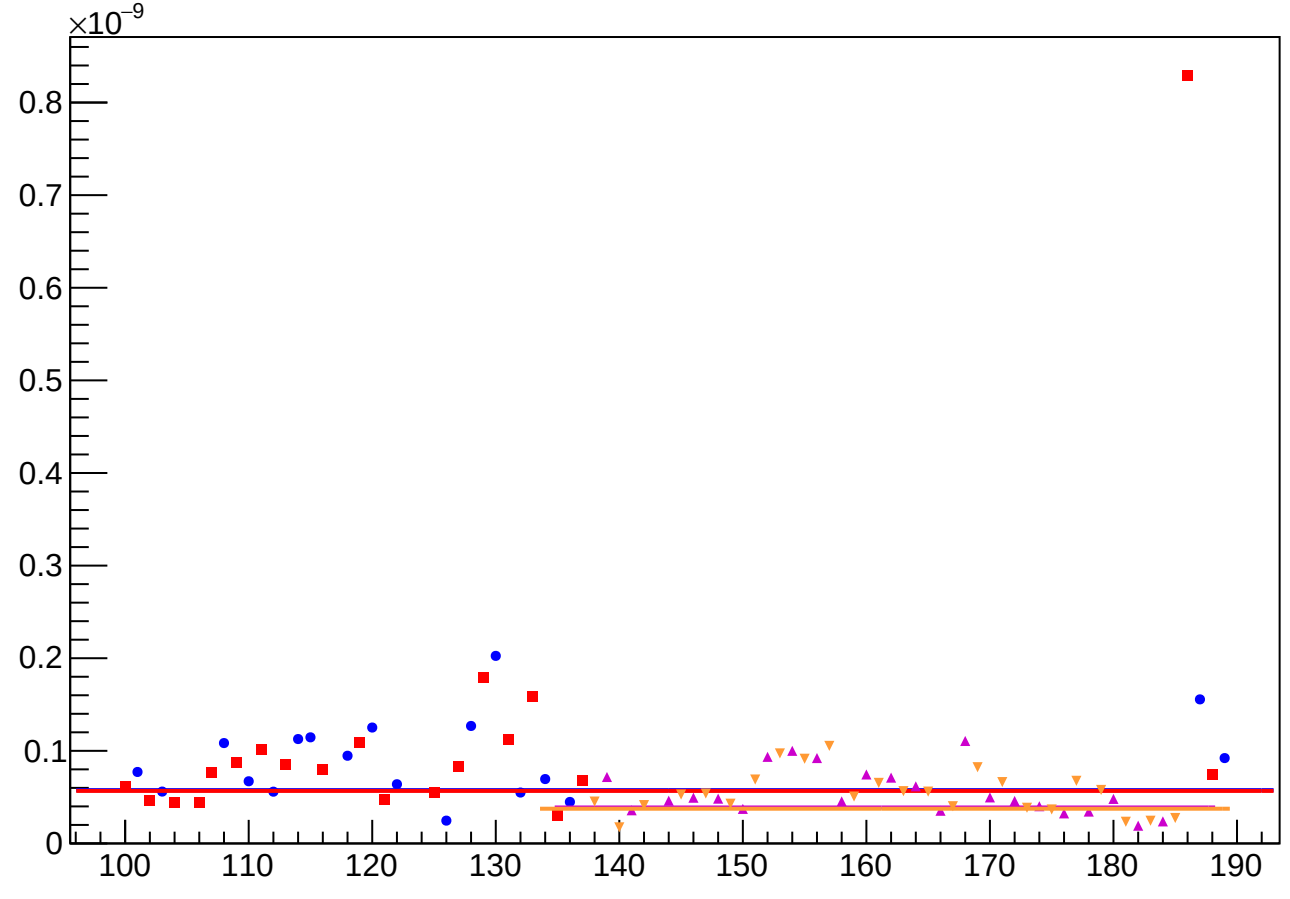
Right: 96.078+/-0.018 χ^2/NDF: 2545916.6/37

In: 146.341+/-0.025 χ^2/NDF:15832981.3/40

Out: 122.954+/-0.022 χ^2/NDF:19182196.3/43

All: 133.077+/-0.016 χ^2/NDF: 35520939.0/84


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.8/17
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/19
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.5/46
Right: -0.000+/-0.000 χ²/NDF: 43.2/37
In: 0.000+/-0.000 χ²/NDF:41.7/40
Out: 0.000+/-0.000 χ²/NDF:43.3/43
All: 0.000+/-0.000 χ²/NDF: 85.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 1754922.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2264794.0/19

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

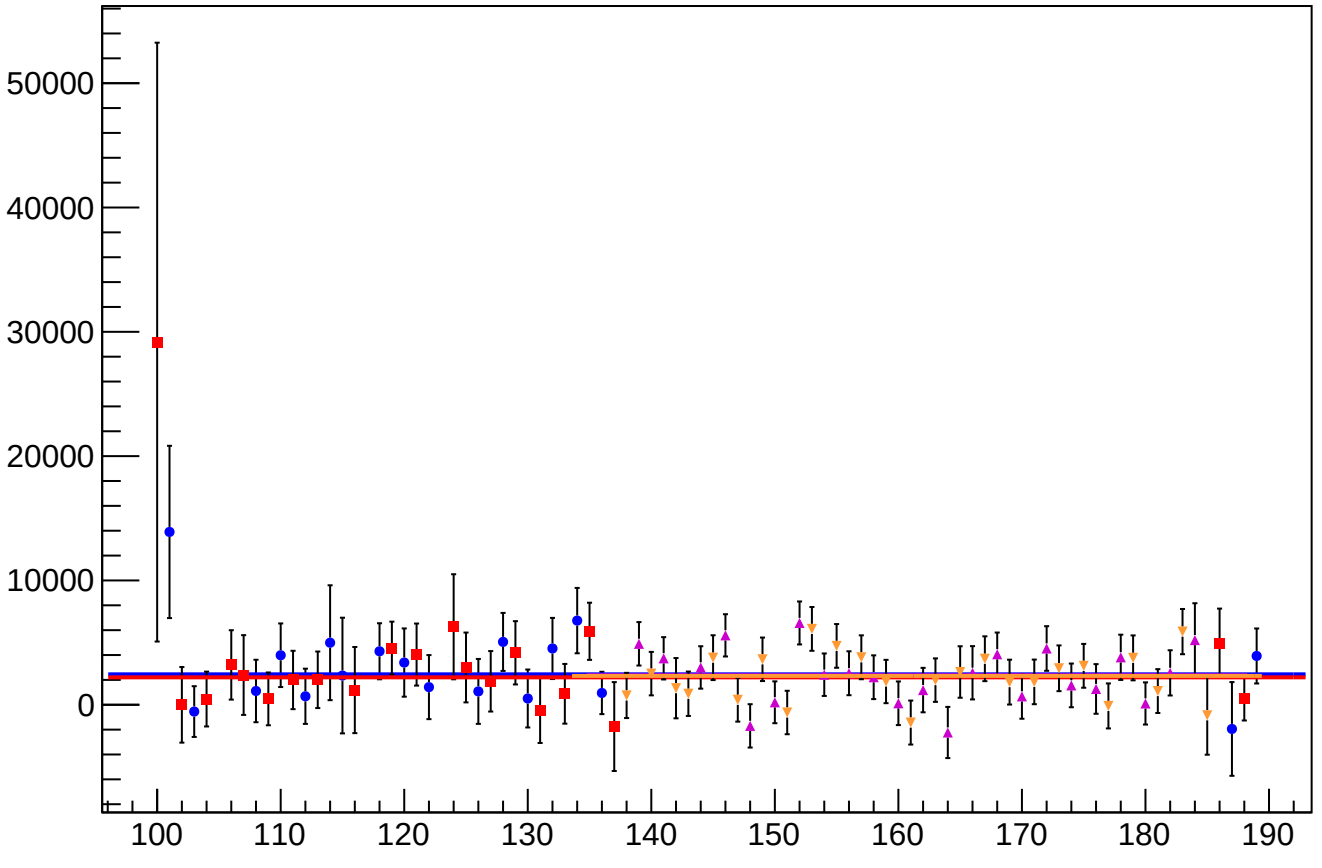
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 4020581.6/37

In: 0.000+/-0.000 χ^2/NDF:7036548.6/40

Out: 0.000+/-0.000 χ^2/NDF:8043633.4/43

All: 0.000+/-0.000 χ^2/NDF: 15090790.2/84



Right In: 2446.984+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2203.890+/-562.967 χ^2/NDF: 13.8/20

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

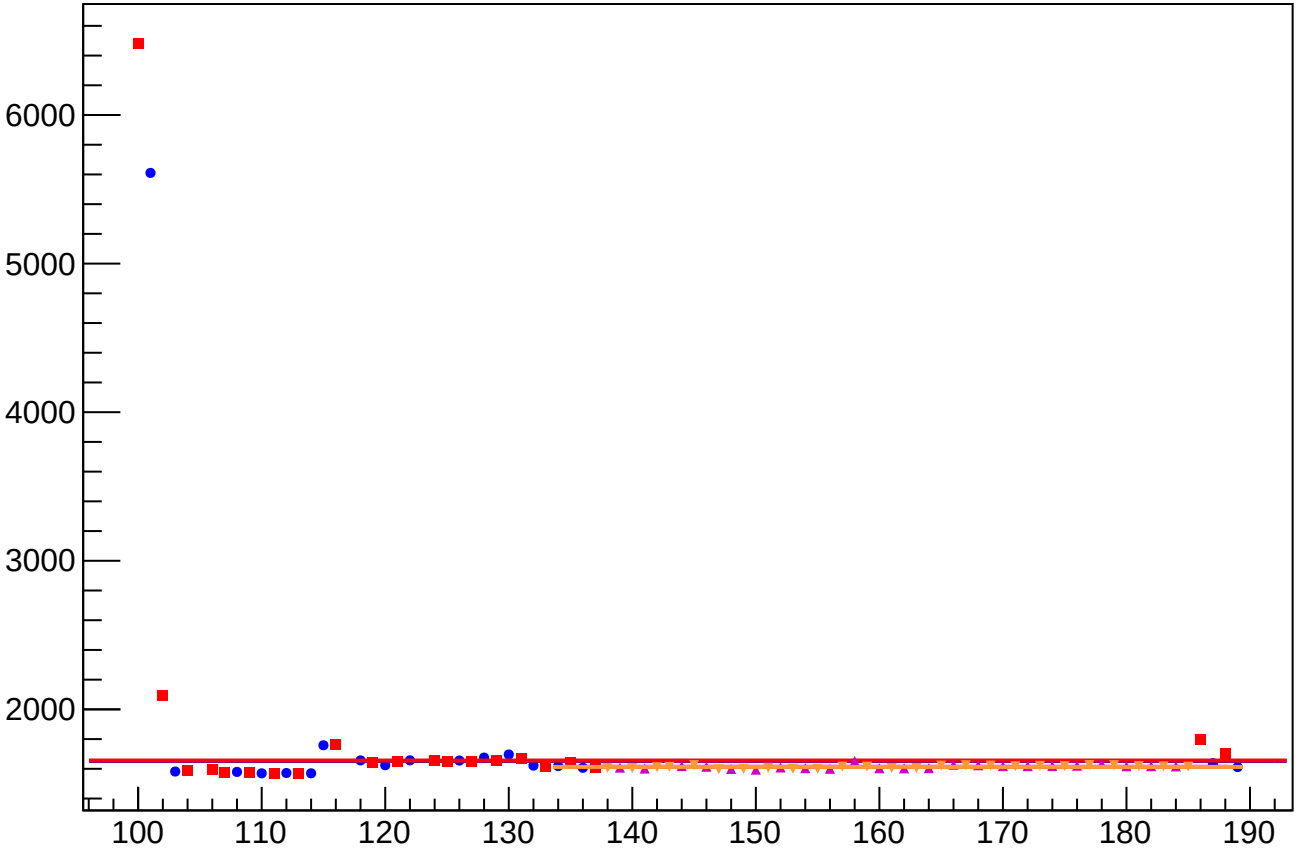
Right: 2318.021+/-410.044 χ^2/NDF: 29.5/38

In: 2392.306+/-318.857 χ^2/NDF:49.4/40

Out: 2286.214+/-307.030 χ^2/NDF:41.3/45

All: 2337.256+/-221.166 χ^2/NDF: 90.8/86

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.9/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1655.535+/-0.398 χ^2/NDF: 144045.5/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

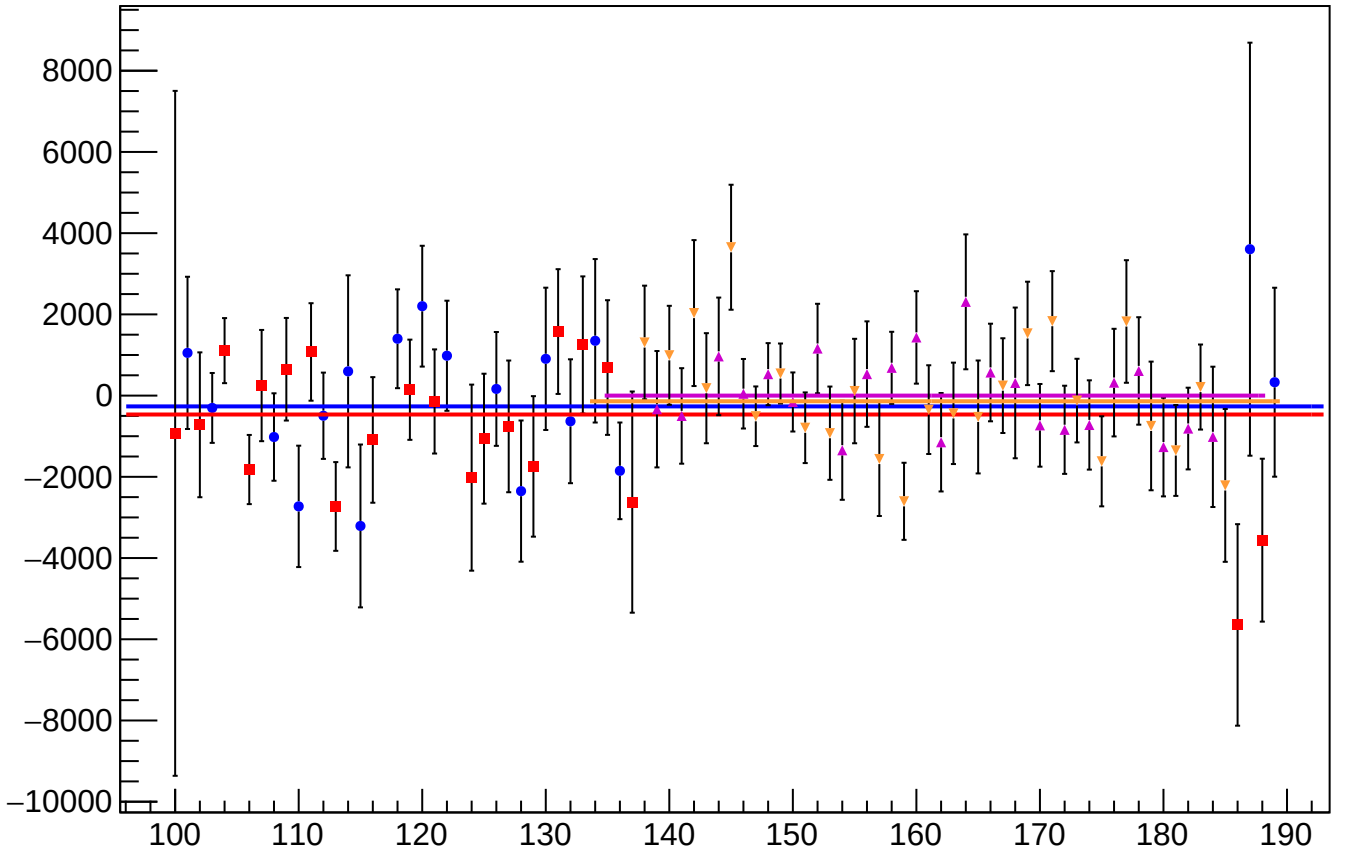
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1654.316+/-0.290 χ^2/NDF: 811080.4/38

In: 1624.906+/-0.225 χ^2/NDF:675497.6/40

Out: 1625.376+/-0.217 χ^2/NDF:153388.1/45

All: 1625.150+/-0.156 χ^2/NDF: 828888.0/86



Right In: -265.817+/-338.998 χ^2/NDF: 16.6/17

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -465.472+/-306.860 χ^2/NDF: 25.7/20

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

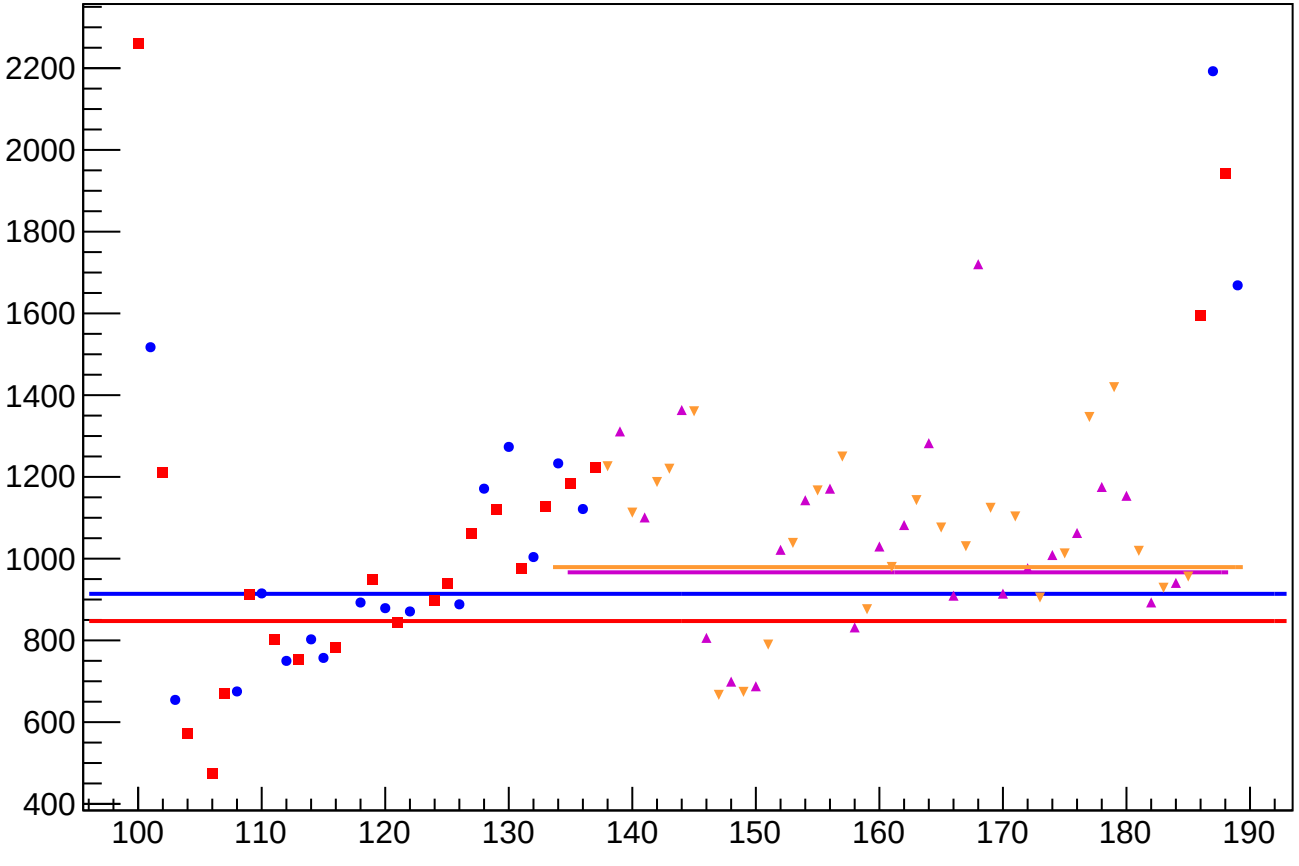
Right: -375.555+/-227.499 χ^2/NDF: 42.5/38

In: -84.802+/-191.403 χ^2/NDF:29.9/40

Out: -255.877+/-183.593 χ^2/NDF:56.6/45

All: -173.901+/-132.495 χ^2/NDF: 86.9/86

asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 913.913+/-0.240 χ^2/NDF: 1139256.3/17

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 847.352+/-0.217 χ^2/NDF: 1891366.1/20

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

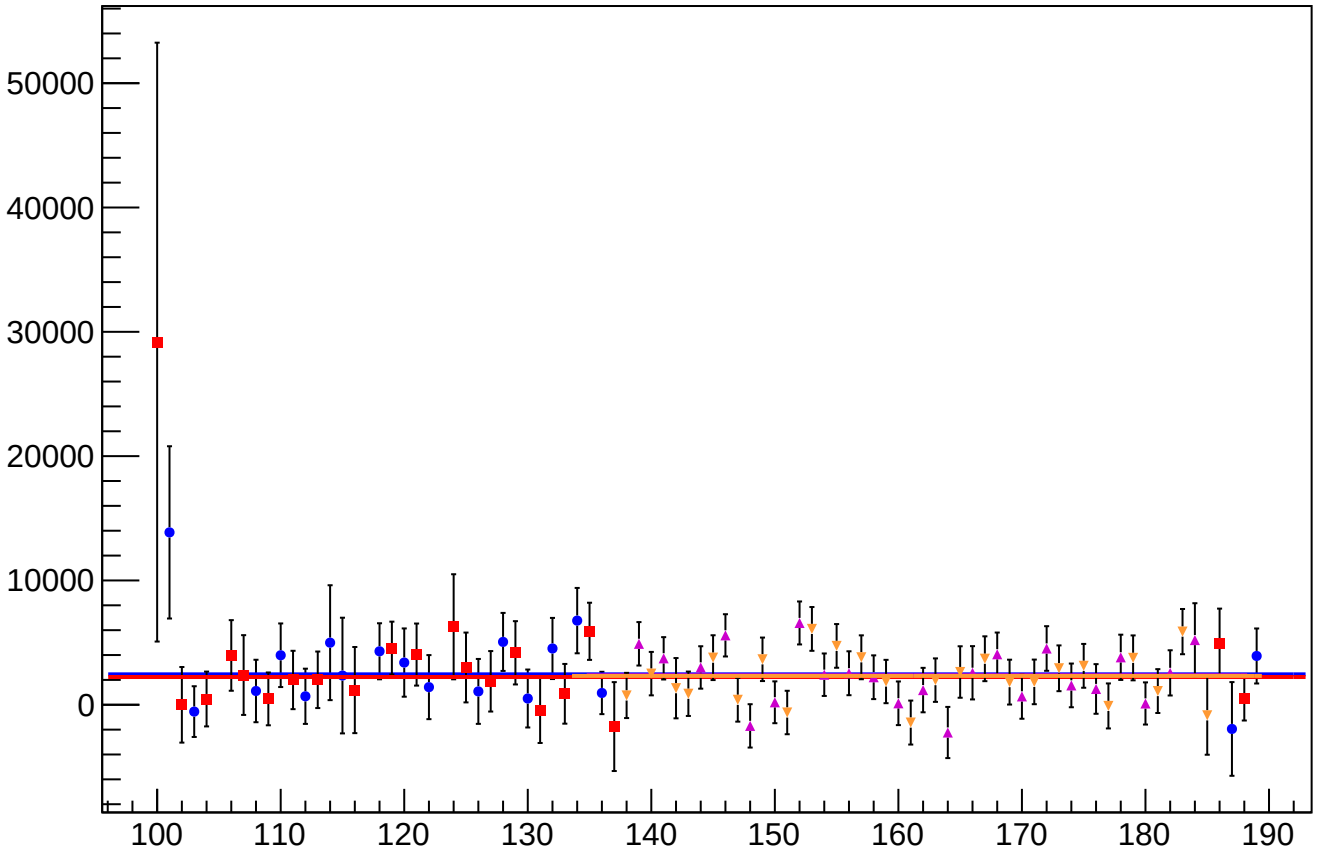
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 877.328+/-0.161 χ^2/NDF: 3073001.2/38

In: 949.754+/-0.135 χ^2/NDF:2774670.2/40

Out: 932.064+/-0.130 χ^2/NDF:3759390.3/45

All: 940.541+/-0.094 χ^2/NDF: 6542957.2/86



Right In: 2446.487+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2232.735+/-563.362 χ^2/NDF: 14.1/20

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

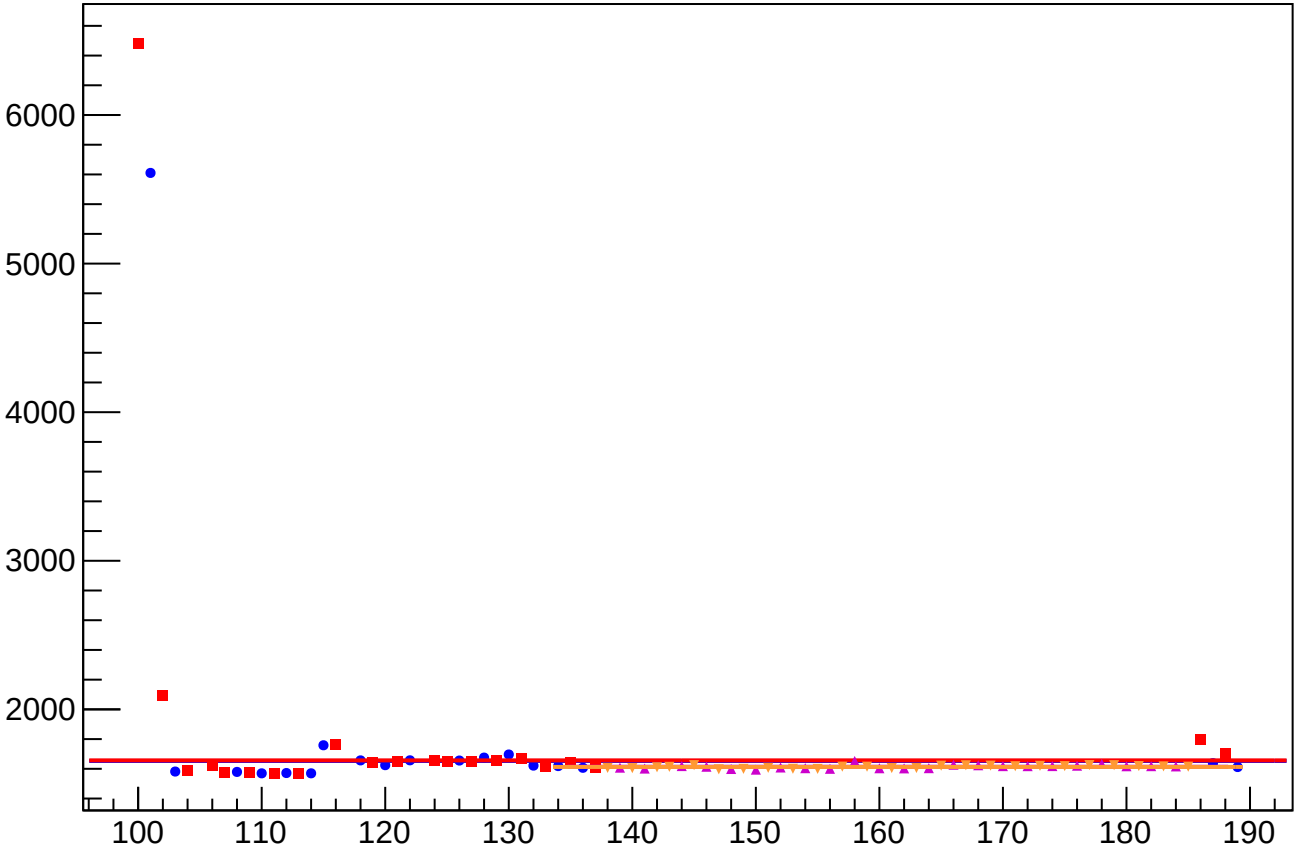
Right: 2333.164+/-410.196 χ^2/NDF: 29.8/38

In: 2392.216+/-318.857 χ^2/NDF:49.4/40

Out: 2294.790+/-307.094 χ^2/NDF:41.6/45

All: 2341.672+/-221.190 χ^2/NDF: 91.0/86

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.4/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1656.664+/-0.398 χ^2/NDF: 143360.9/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

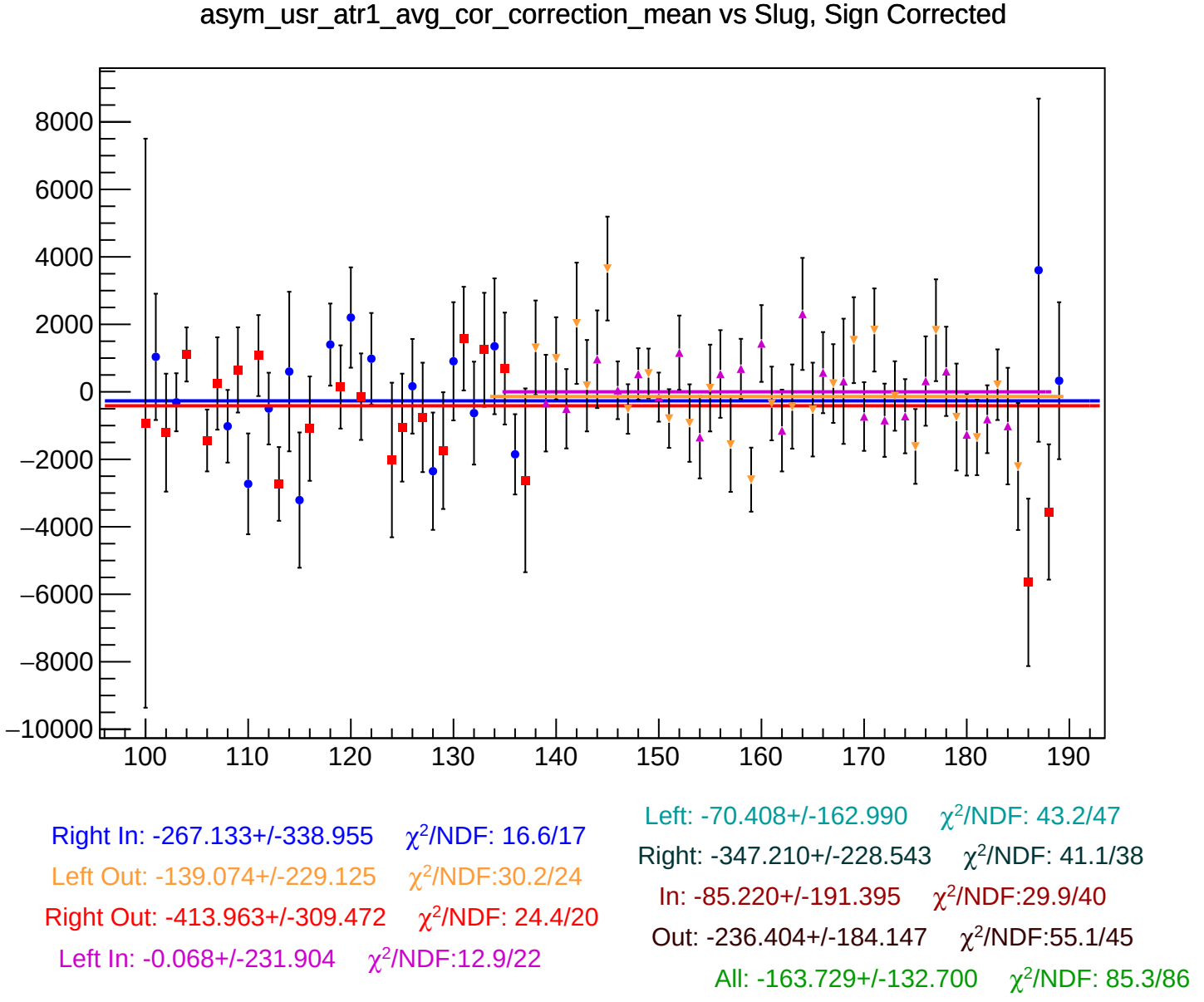
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

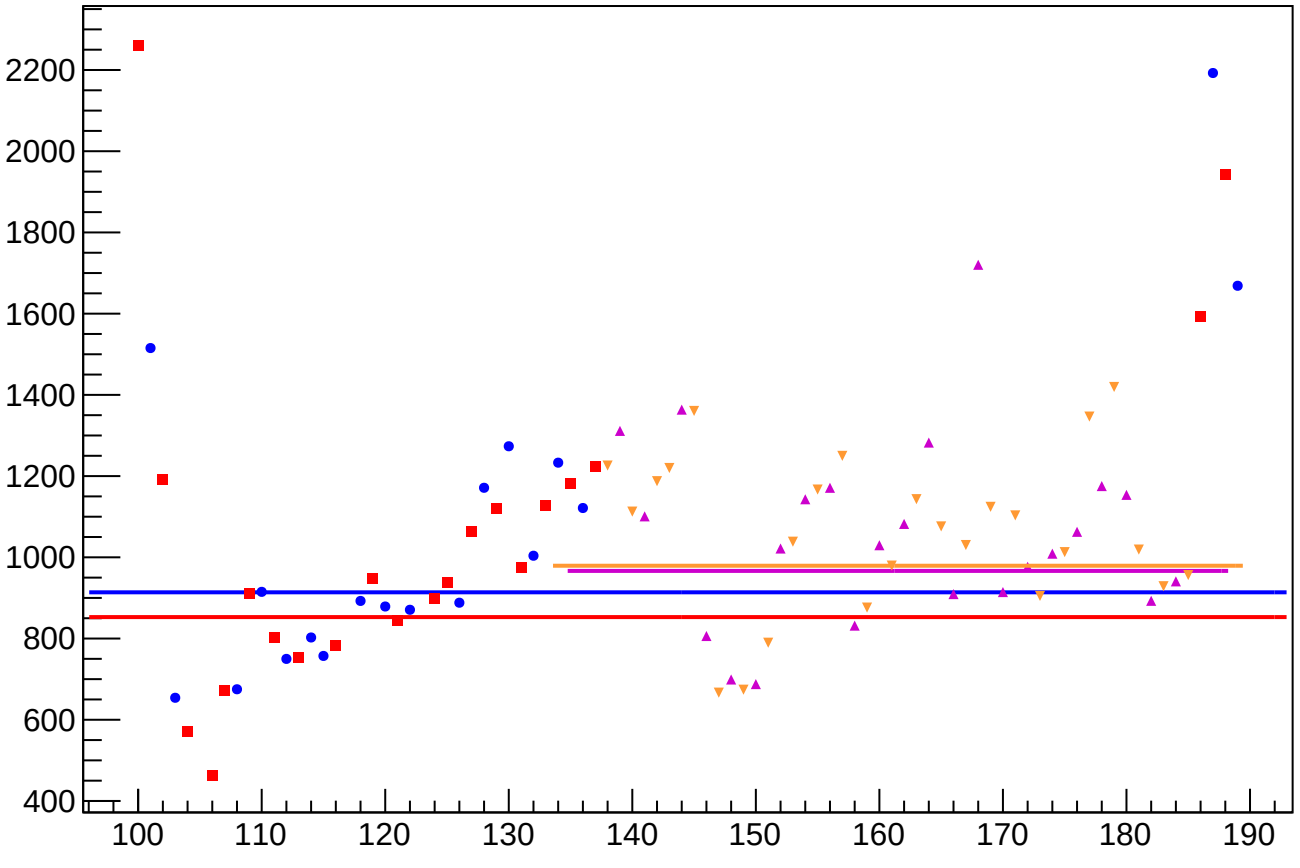
Right: 1654.914+/-0.290 χ^2/NDF: 810416.4/38

In: 1624.906+/-0.225 χ^2/NDF:675497.1/40

Out: 1625.699+/-0.217 χ^2/NDF:153130.5/45

All: 1625.317+/-0.156 χ^2/NDF: 828634.0/86


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -267.133+/-338.955 χ²/NDF: 16.6/17
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -413.963+/-309.472 χ²/NDF: 24.4/20
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -347.210+/-228.543 χ²/NDF: 41.1/38
In: -85.220+/-191.395 χ²/NDF:29.9/40
Out: -236.404+/-184.147 χ²/NDF:55.1/45
All: -163.729+/-132.700 χ²/NDF: 85.3/86



Right In: 913.809+/-0.240 χ^2/NDF: 1139096.4/17

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 852.812+/-0.219 χ^2/NDF: 1852133.1/20

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

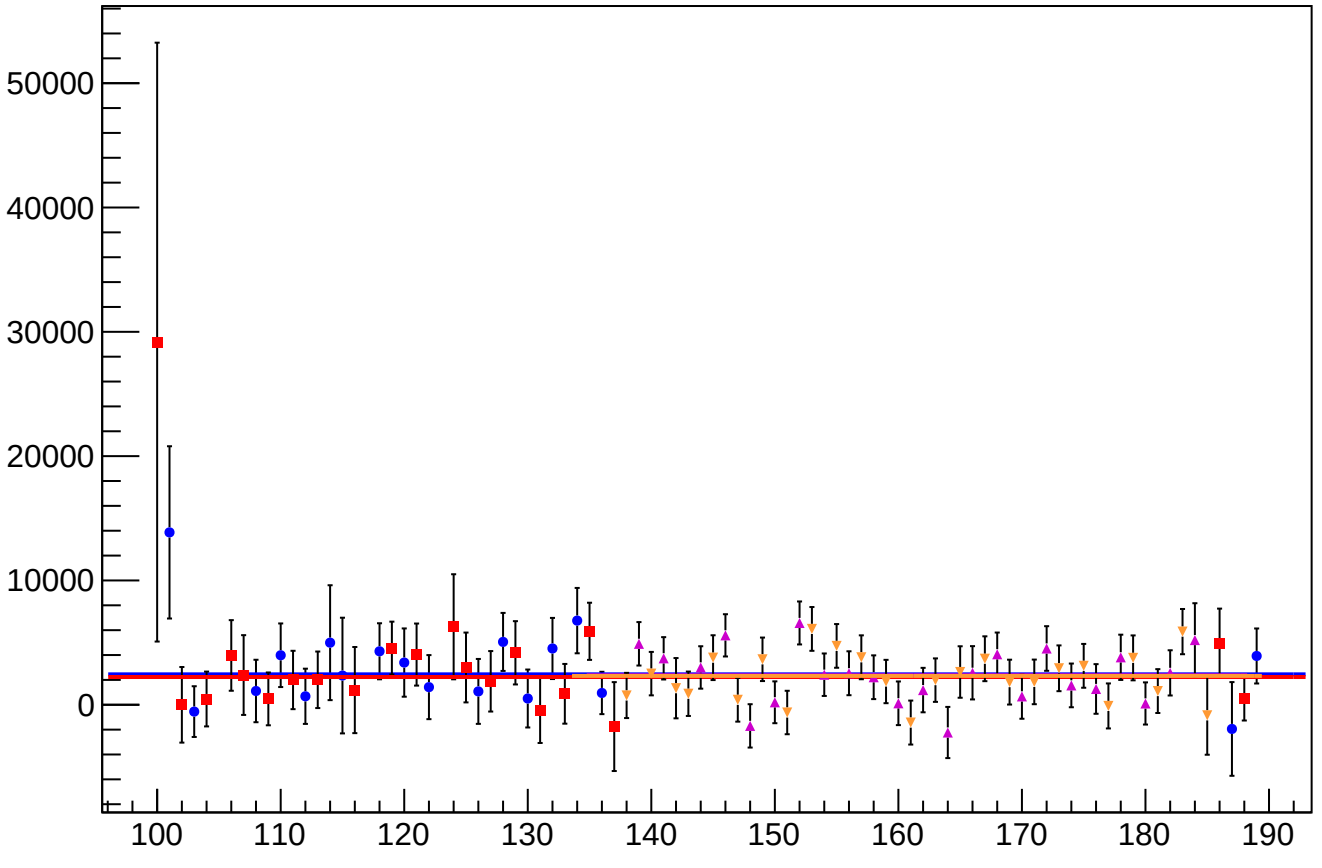
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 880.543+/-0.162 χ^2/NDF: 3026553.3/38

In: 949.721+/-0.135 χ^2/NDF:2774617.8/40

Out: 934.507+/-0.130 χ^2/NDF:3698635.0/45

All: 941.820+/-0.094 χ^2/NDF: 6479815.6/86



Right In: 2446.487+/-598.435 χ^2/NDF: 15.6/17

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2232.735+/-563.362 χ^2/NDF: 14.1/20

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

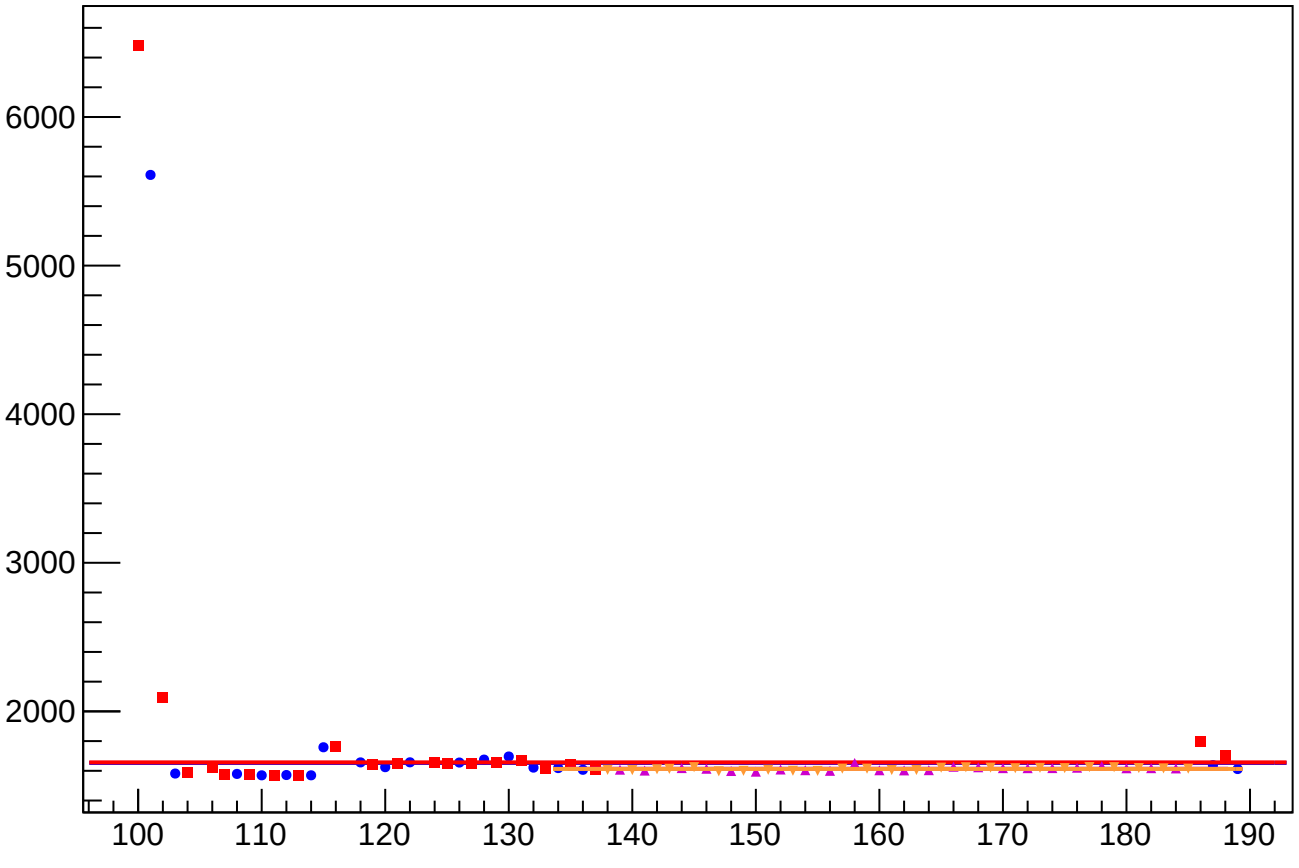
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2333.164+/-410.196 χ^2/NDF: 29.8/38

In: 2392.216+/-318.857 χ^2/NDF:49.4/40

Out: 2294.790+/-307.094 χ^2/NDF:41.6/45

All: 2341.672+/-221.190 χ^2/NDF: 91.0/86



Right In: 1652.938+/-0.423 χ^2/NDF: 667014.4/17

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1656.664+/-0.398 χ^2/NDF: 143360.9/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

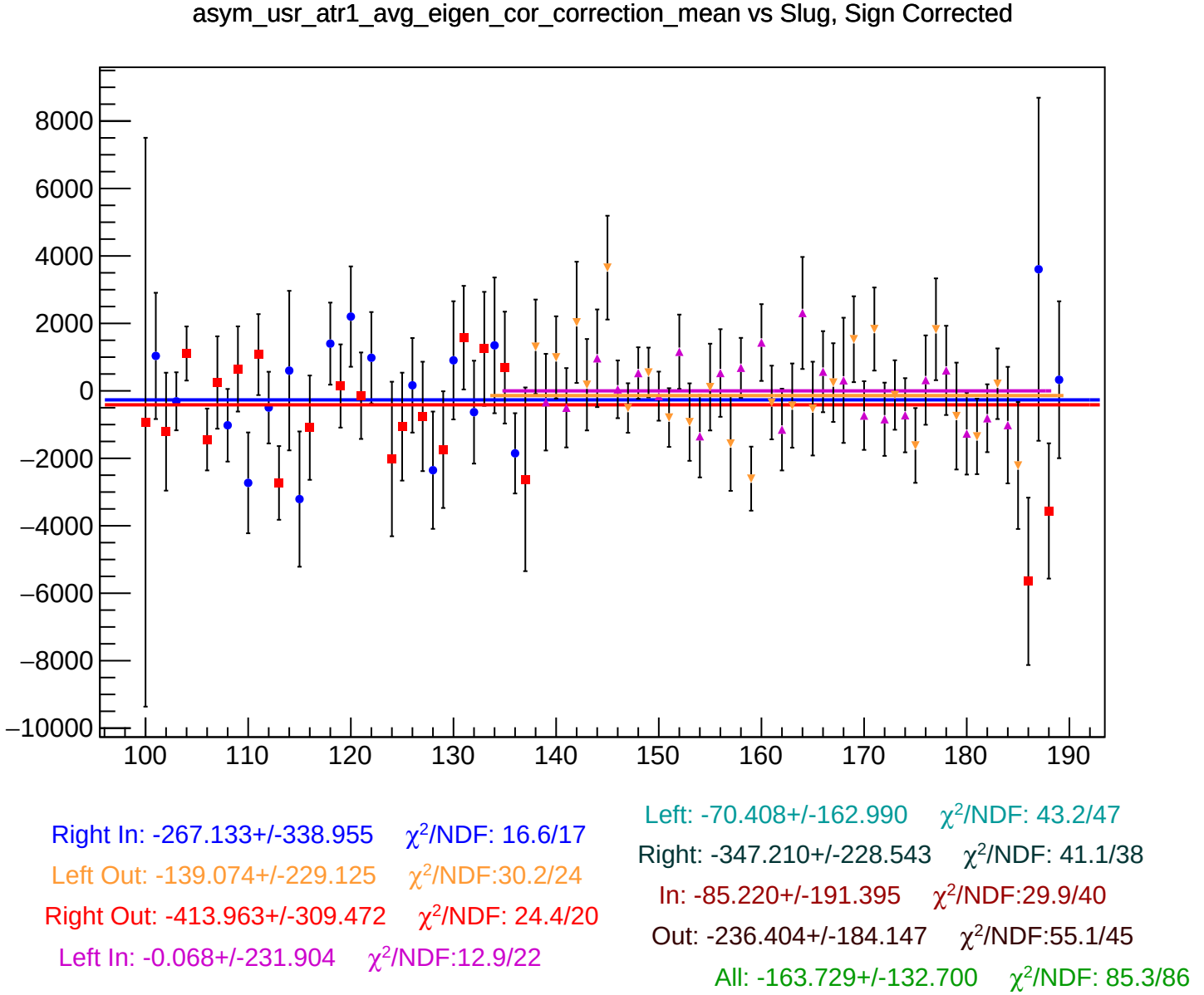
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

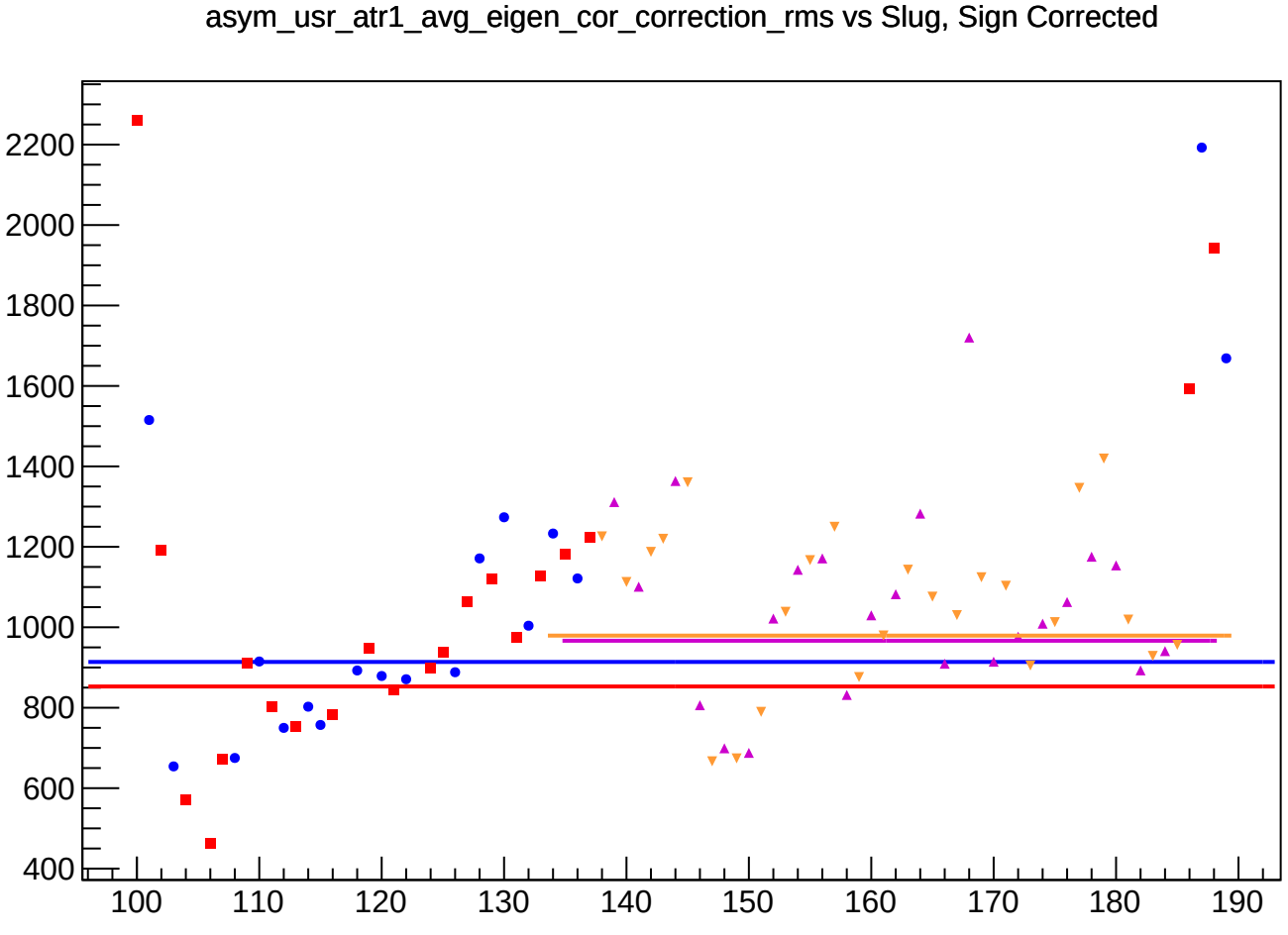
Right: 1654.914+/-0.290 χ^2/NDF: 810416.4/38

In: 1624.906+/-0.225 χ^2/NDF:675497.1/40

Out: 1625.699+/-0.217 χ^2/NDF:153130.5/45

All: 1625.317+/-0.156 χ^2/NDF: 828634.0/86


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -267.133+/-338.955 χ²/NDF: 16.6/17
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -413.963+/-309.472 χ²/NDF: 24.4/20
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -347.210+/-228.543 χ²/NDF: 41.1/38
In: -85.220+/-191.395 χ²/NDF:29.9/40
Out: -236.404+/-184.147 χ²/NDF:55.1/45
All: -163.729+/-132.700 χ²/NDF: 85.3/86



Right In: 913.809+/-0.240 χ^2/NDF: 1139096.4/17

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 852.812+/-0.219 χ^2/NDF: 1852133.1/20

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

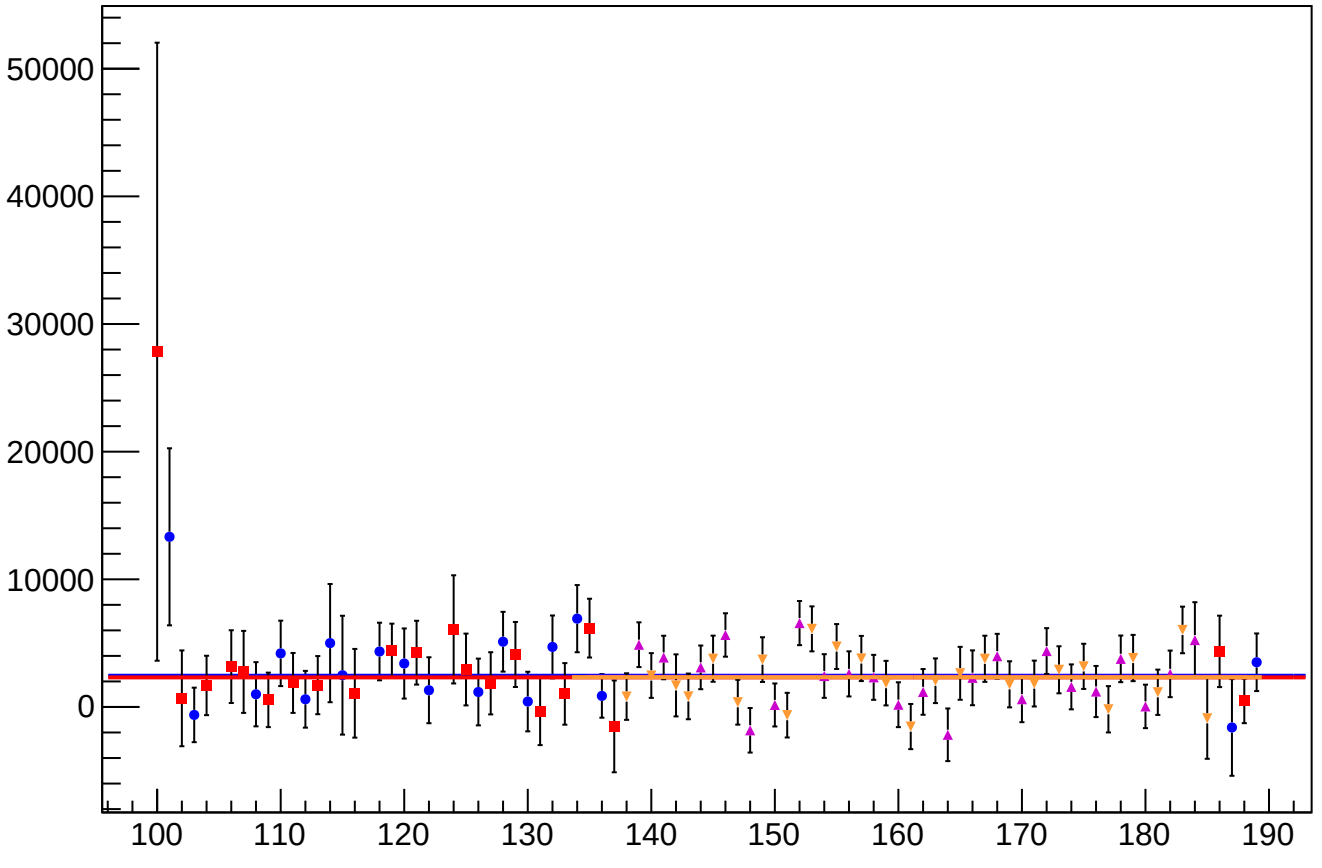
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 880.543+/-0.162 χ^2/NDF: 3026553.3/38

In: 949.721+/-0.135 χ^2/NDF:2774617.8/40

Out: 934.507+/-0.130 χ^2/NDF:3698635.0/45

All: 941.820+/-0.094 χ^2/NDF: 6479815.6/86



Right In: 2445.163+/-602.479 χ^2/NDF: 15.6/17

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2316.477+/-569.836 χ^2/NDF: 12.2/20

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

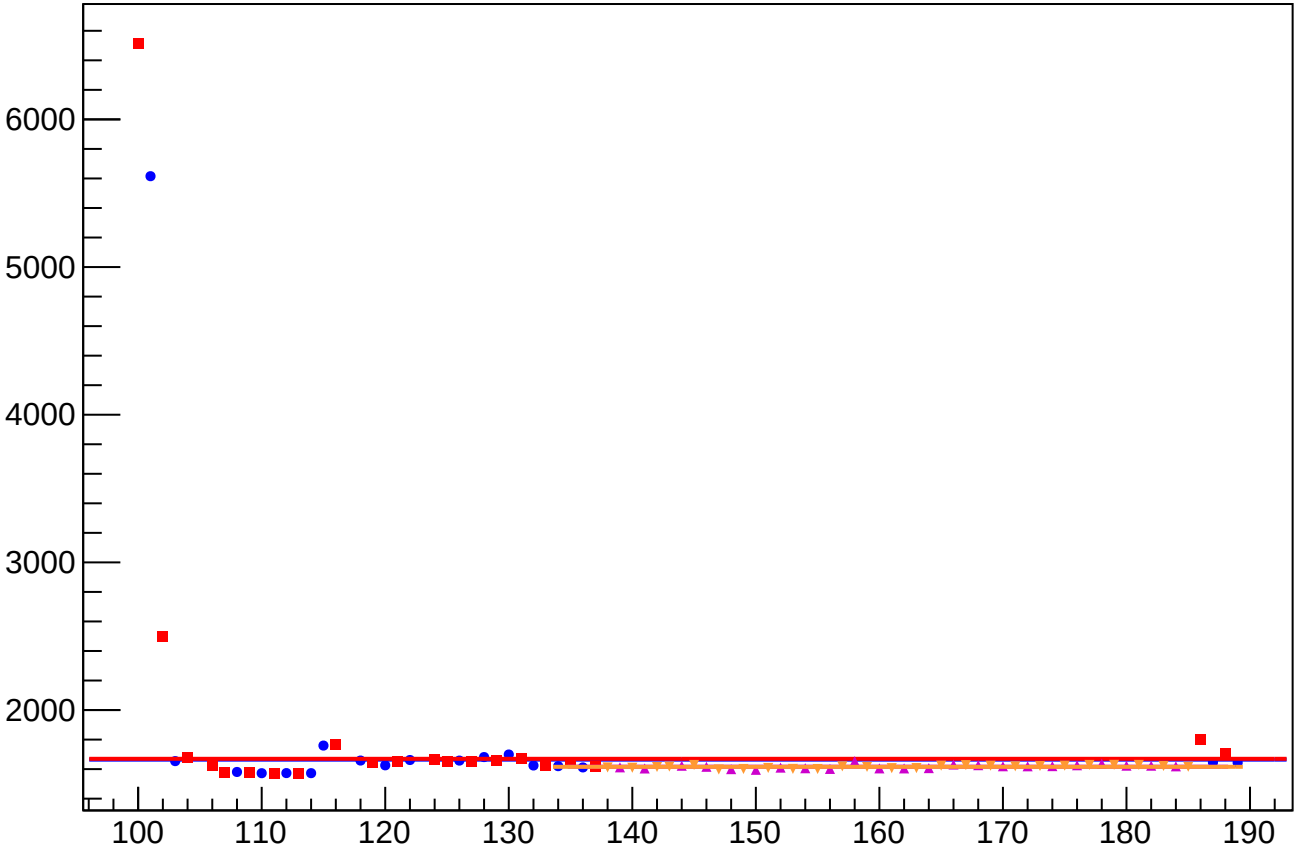
Right: 2377.240+/-413.994 χ^2/NDF: 27.8/38

In: 2384.207+/-319.832 χ^2/NDF:49.6/40

Out: 2329.457+/-308.540 χ^2/NDF:40.5/45

All: 2355.849+/-222.055 χ^2/NDF: 90.1/86

dit_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1664.263+/-0.426 χ^2/NDF: 663150.2/17

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1669.858+/-0.403 χ^2/NDF: 199030.3/20

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

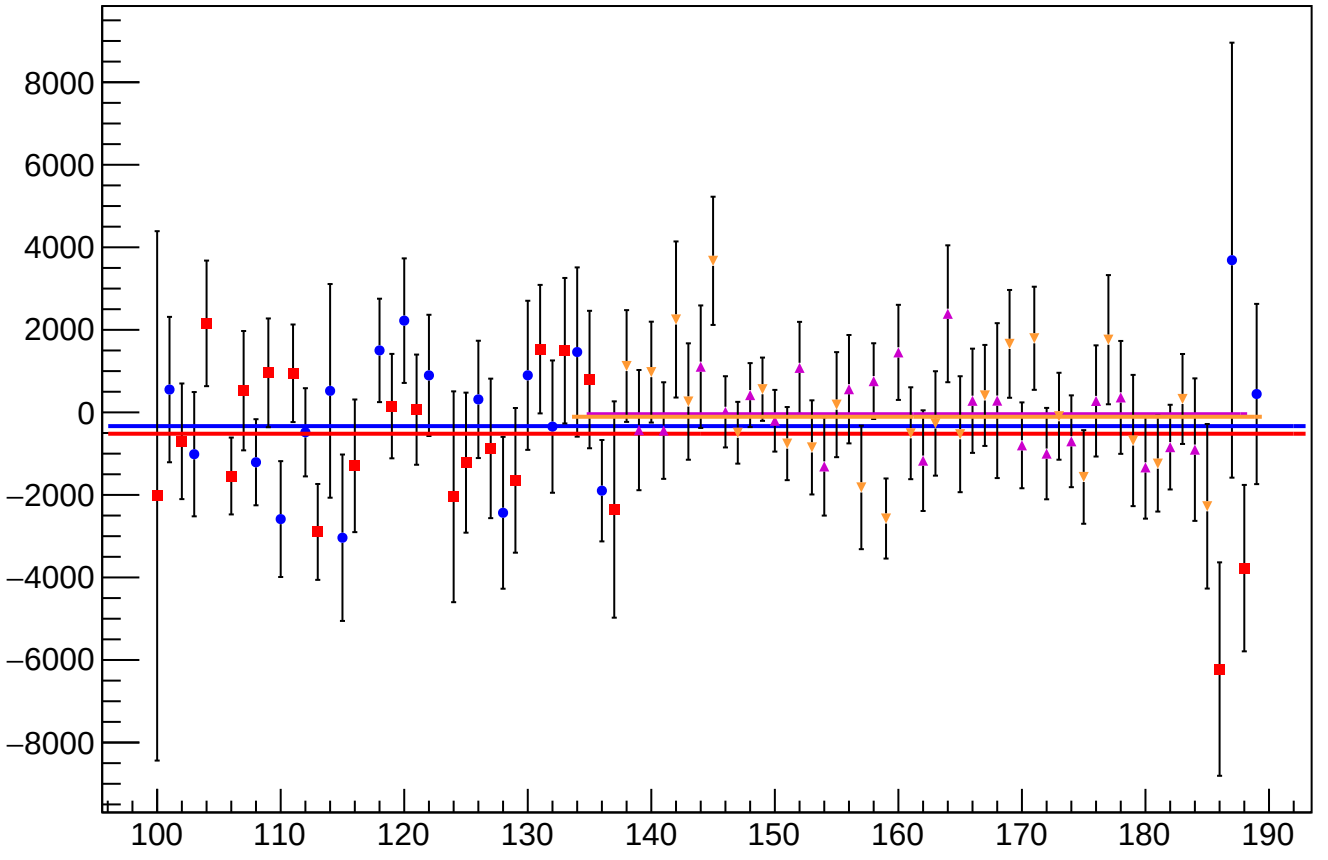
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1667.216+/-0.293 χ^2/NDF: 862271.6/38

In: 1629.860+/-0.226 χ^2/NDF:674788.2/40

Out: 1631.530+/-0.218 χ^2/NDF:213278.4/45

All: 1630.725+/-0.157 χ^2/NDF: 888094.9/86



Right In: -332.904+/-361.973 χ^2/NDF: 16.4/17

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -517.539+/-333.065 χ^2/NDF: 25.2/20

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

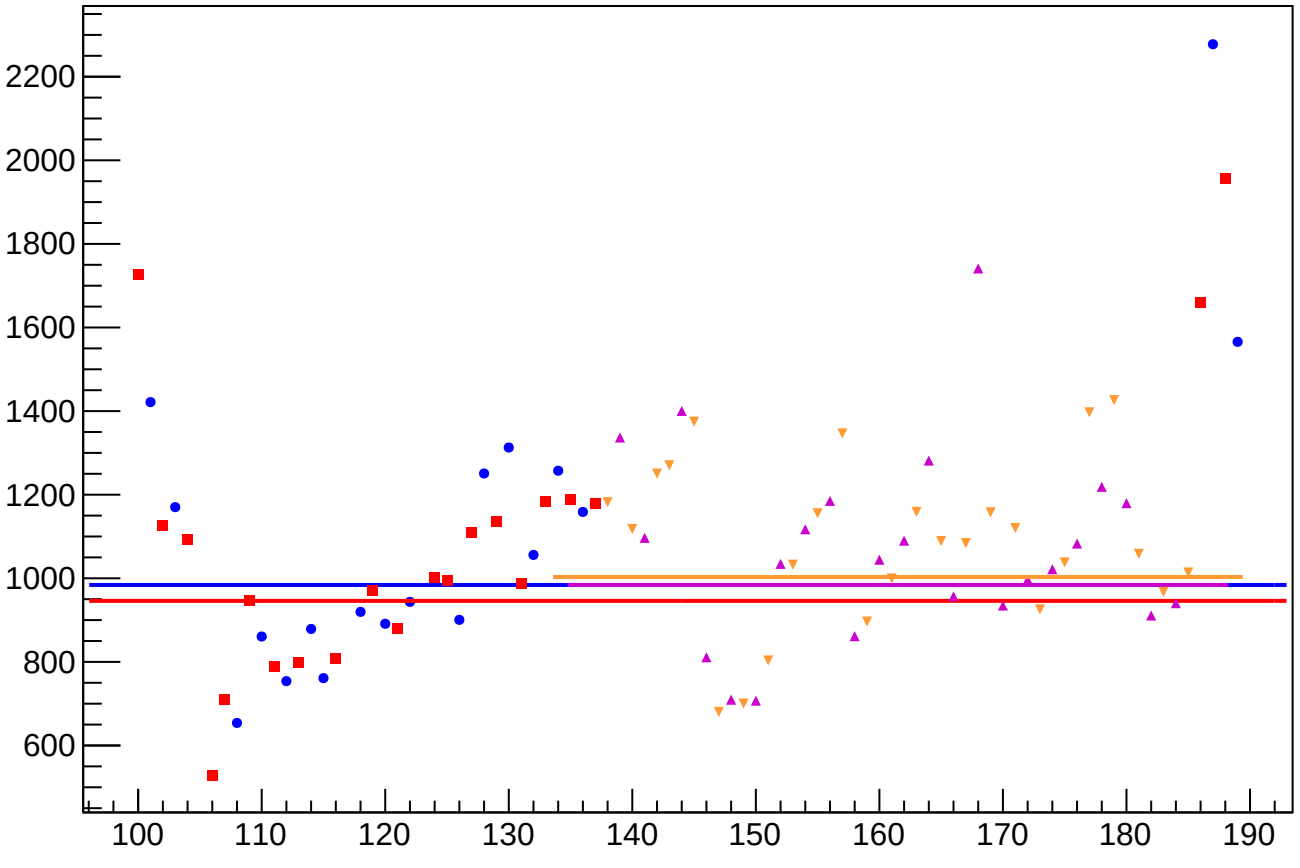
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -432.887+/-245.096 χ^2/NDF: 41.8/38

In: -130.368+/-197.536 χ^2/NDF:29.7/40

Out: -242.468+/-191.637 χ^2/NDF:55.2/45

All: -188.117+/-137.546 χ^2/NDF: 85.1/86



Right In: 984.059+/-0.256 χ^2/NDF: 961930.6/17

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 945.980+/-0.236 χ^2/NDF: 1421366.0/20

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

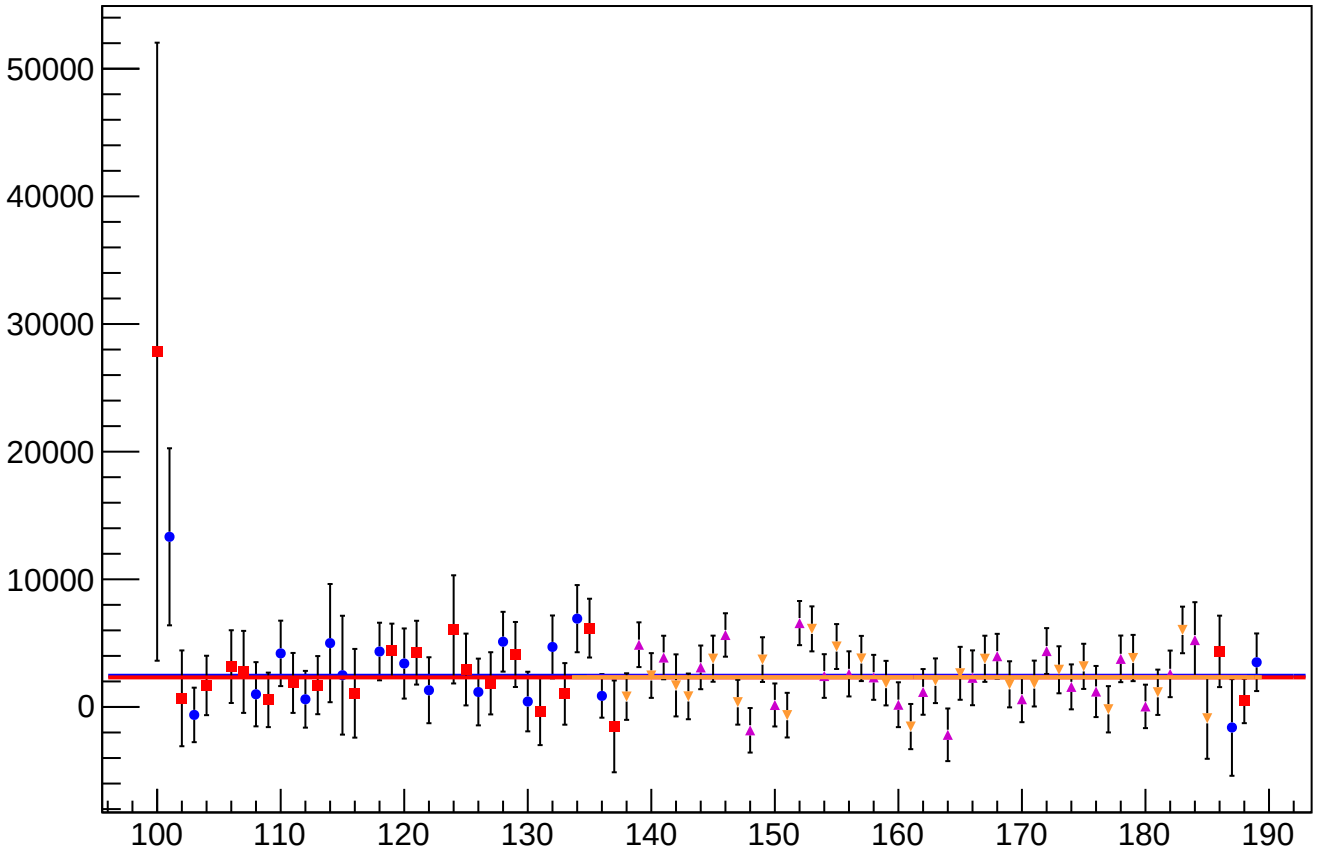
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 963.439+/-0.173 χ^2/NDF: 2395282.1/38

In: 984.055+/-0.140 χ^2/NDF:2521492.1/40

Out: 984.191+/-0.136 χ^2/NDF:3059131.7/45

All: 984.125+/-0.097 χ^2/NDF: 5580624.3/86



Right In: 2445.163+/-602.479 χ^2/NDF: 15.6/17

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2316.475+/-569.836 χ^2/NDF: 12.2/20

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

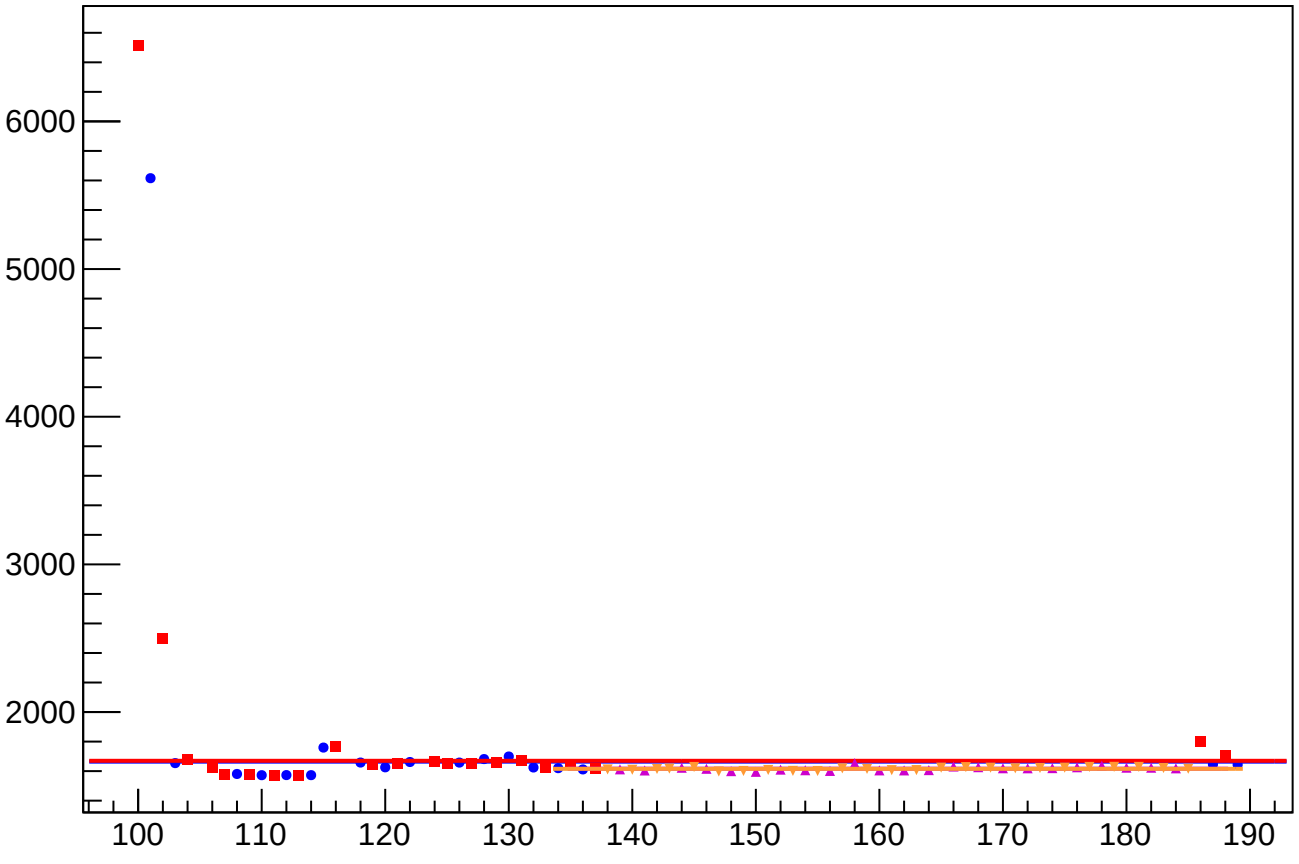
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2377.239+/-413.994 χ^2/NDF: 27.8/38

In: 2384.207+/-319.831 χ^2/NDF:49.6/40

Out: 2329.456+/-308.540 χ^2/NDF:40.5/45

All: 2355.848+/-222.055 χ^2/NDF: 90.1/86



Right In: 1664.263+/-0.426 χ^2/NDF: 663150.2/17

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1669.858+/-0.403 χ^2/NDF: 199030.2/20

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

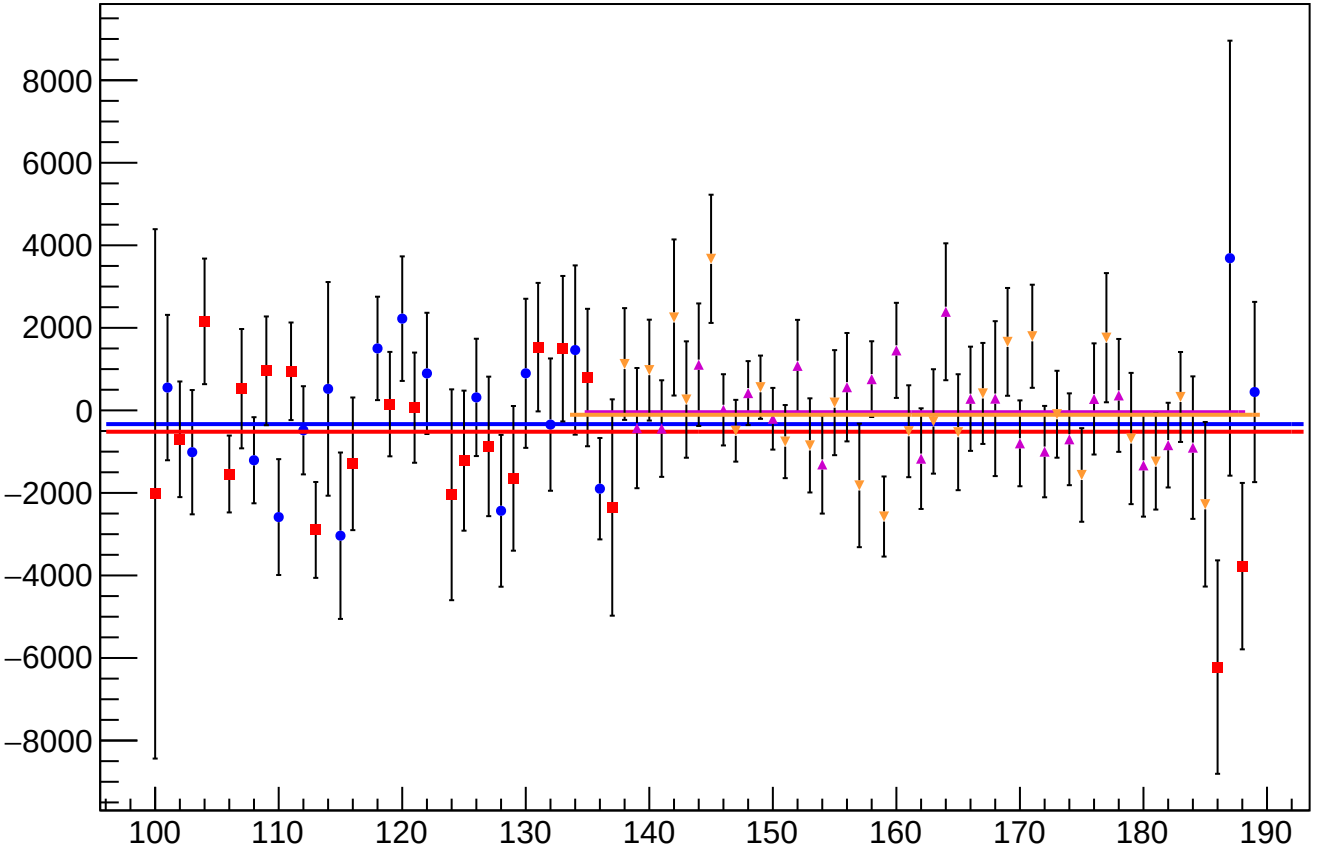
Right: 1667.216+/-0.293 χ^2/NDF: 862271.4/38

In: 1629.860+/-0.226 χ^2/NDF:674788.1/40

Out: 1631.530+/-0.218 χ^2/NDF:213278.3/45

All: 1630.725+/-0.157 χ^2/NDF: 888094.7/86

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -332.903+/-361.972 χ^2/NDF: 16.4/17

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -517.536+/-333.064 χ^2/NDF: 25.2/20

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

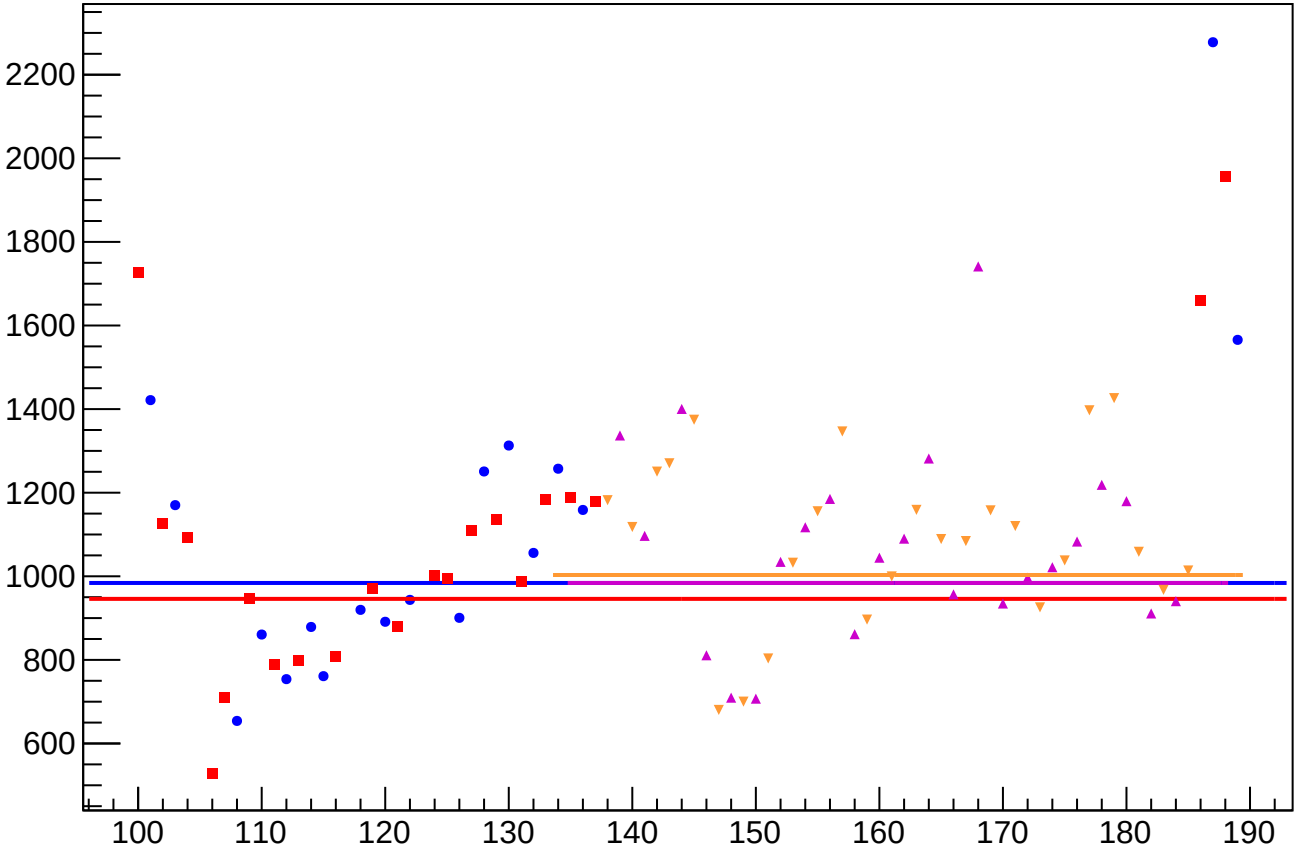
Right: -432.886+/-245.095 χ^2/NDF: 41.8/38

In: -130.368+/-197.537 χ^2/NDF:29.7/40

Out: -242.469+/-191.637 χ^2/NDF:55.2/45

All: -188.118+/-137.546 χ^2/NDF: 85.1/86

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 984.055+/-0.256 χ^2/NDF: 961942.2/17

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 945.978+/-0.236 χ^2/NDF: 1421369.5/20

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

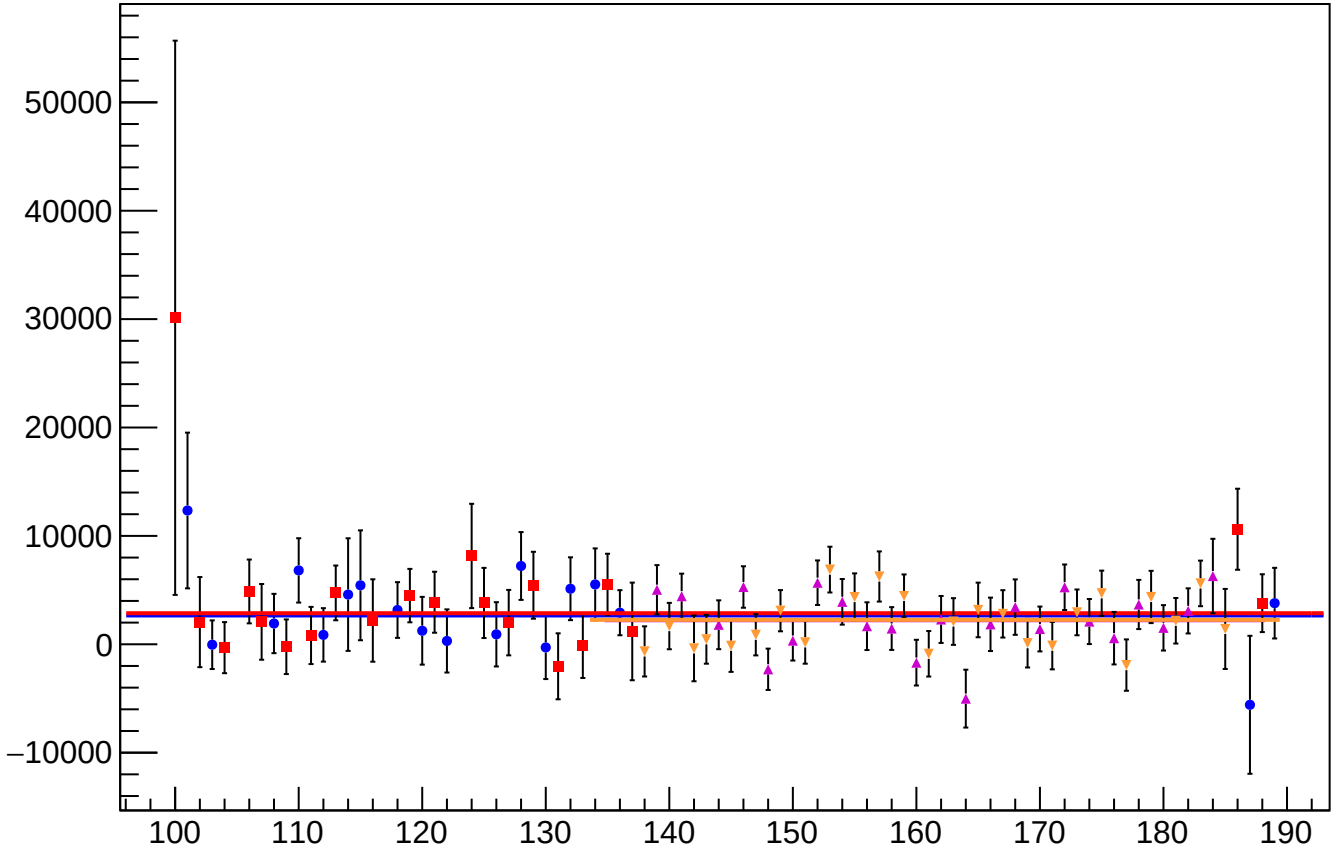
Right: 963.436+/-0.173 χ^2/NDF: 2395296.5/38

In: 984.055+/-0.140 χ^2/NDF:2521505.9/40

Out: 984.191+/-0.136 χ^2/NDF:3059144.0/45

All: 984.125+/-0.097 χ^2/NDF: 5580650.4/86

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2659.227+/-712.559 χ^2/NDF: 13.9/17

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2867.060+/-671.801 χ^2/NDF: 17.9/20

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

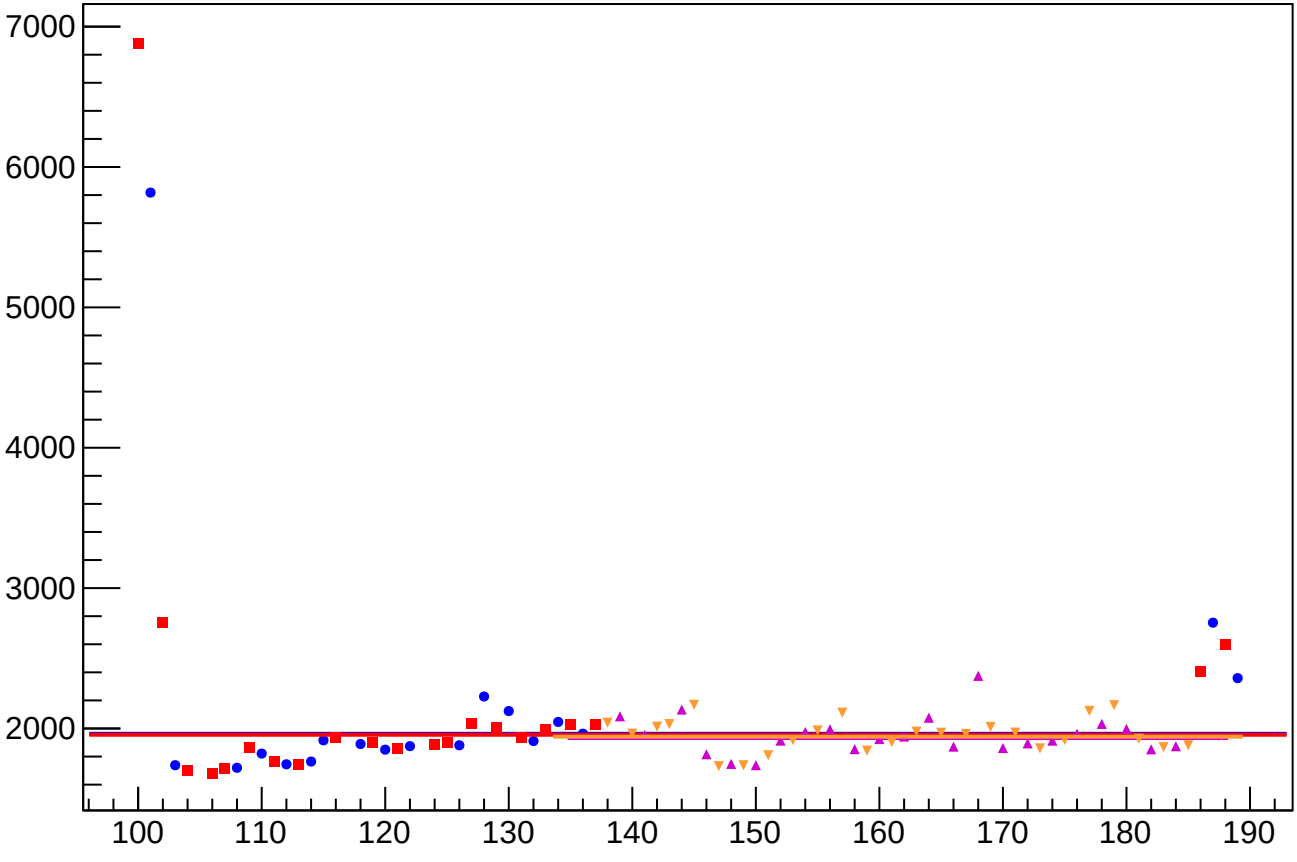
Right: 2769.257+/-488.809 χ^2/NDF: 31.9/38

In: 2345.712+/-381.858 χ^2/NDF:45.7/40

Out: 2438.201+/-369.372 χ^2/NDF:46.8/45

All: 2393.494+/-265.490 χ^2/NDF: 92.5/86

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1962.003+/-0.504 χ^2/NDF: 725330.3/17

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 1955.539+/-0.475 χ^2/NDF: 380963.7/20

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

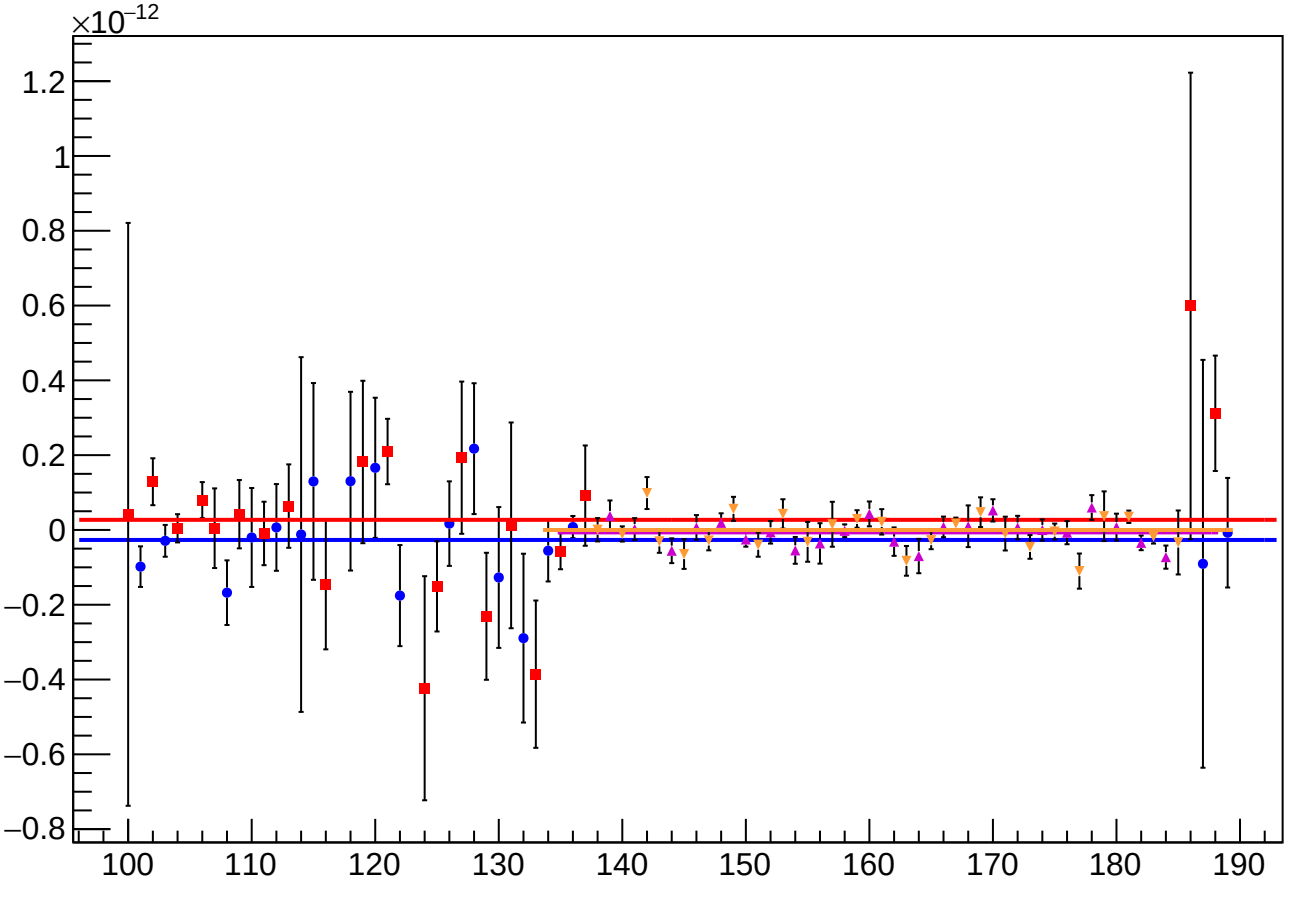
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 1958.581+/-0.346 χ^2/NDF: 1106381.1/38

In: 1940.483+/-0.270 χ^2/NDF:887766.5/40

Out: 1945.802+/-0.261 χ^2/NDF:520577.2/45

All: 1943.231+/-0.188 χ^2/NDF: 1408544.3/86



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/20

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

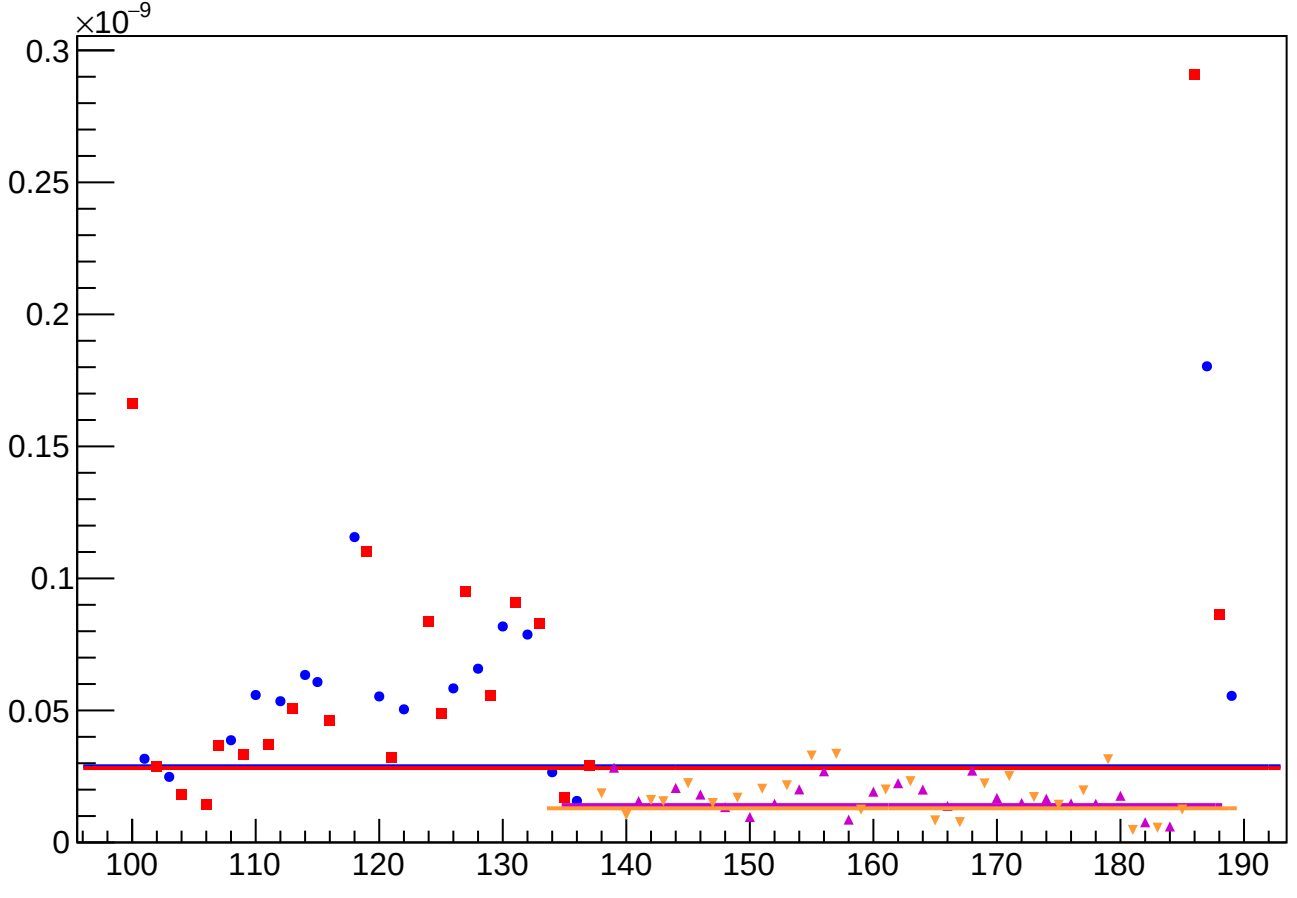
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/38

In: -0.000+/-0.000 χ^2/NDF:41.3/40

Out: 0.000+/-0.000 χ^2/NDF:71.9/45

All: -0.000+/-0.000 χ^2/NDF: 114.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 1713510.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2202535.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

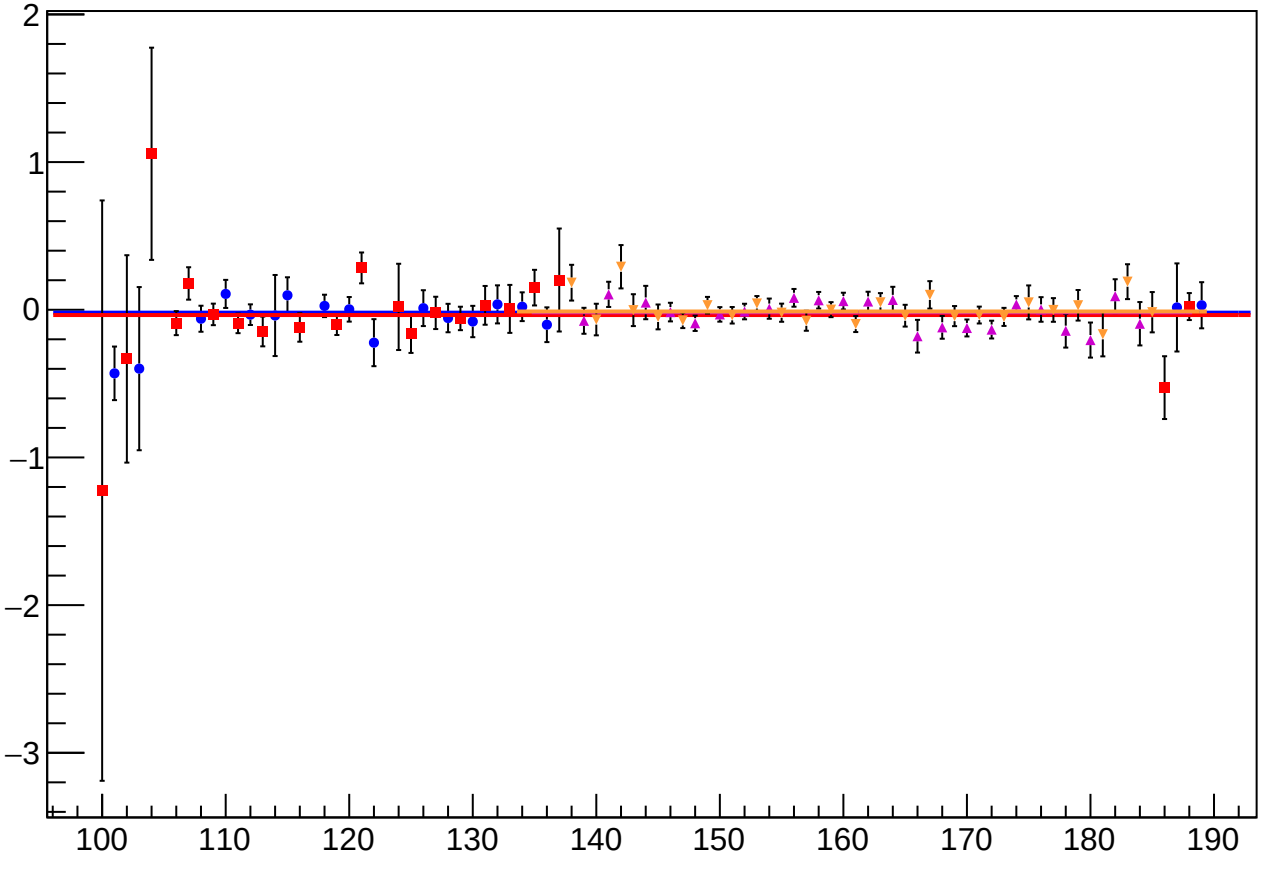
Right: 0.000+/-0.000 χ^2/NDF: 3917241.3/38

In: 0.000+/-0.000 χ^2/NDF:4322088.0/40

Out: 0.000+/-0.000 χ^2/NDF:6188223.6/45

All: 0.000+/-0.000 χ^2/NDF: 10569049.1/86

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

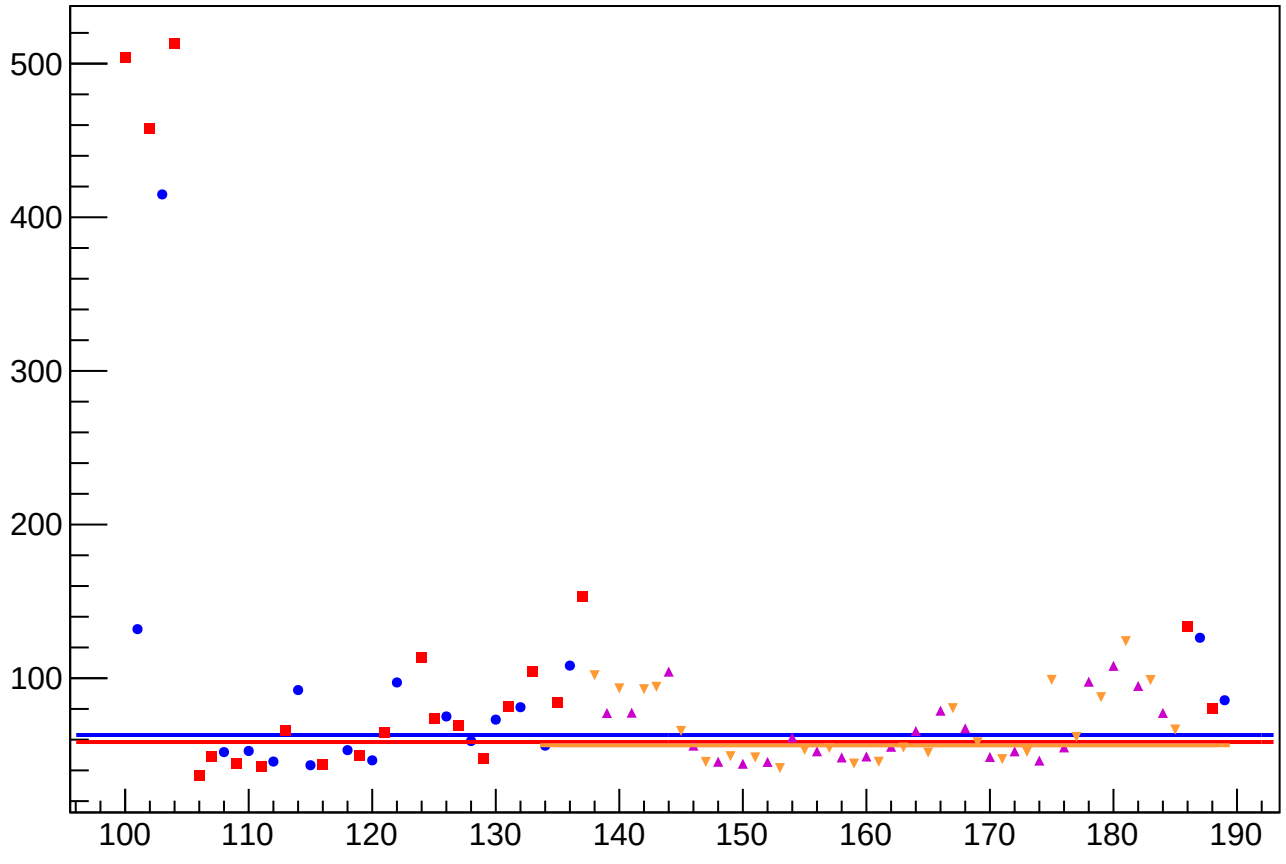
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.028+/-0.017 χ^2/NDF: 42.5/38

In: -0.018+/-0.013 χ^2/NDF:42.8/40

Out: -0.018+/-0.012 χ^2/NDF:52.7/45

All: -0.018+/-0.009 χ^2/NDF: 95.4/86



Right In: 63.031+/-0.018 χ^2/NDF: 2073685.1/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 58.468+/-0.017 χ^2/NDF: 2978096.8/20

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

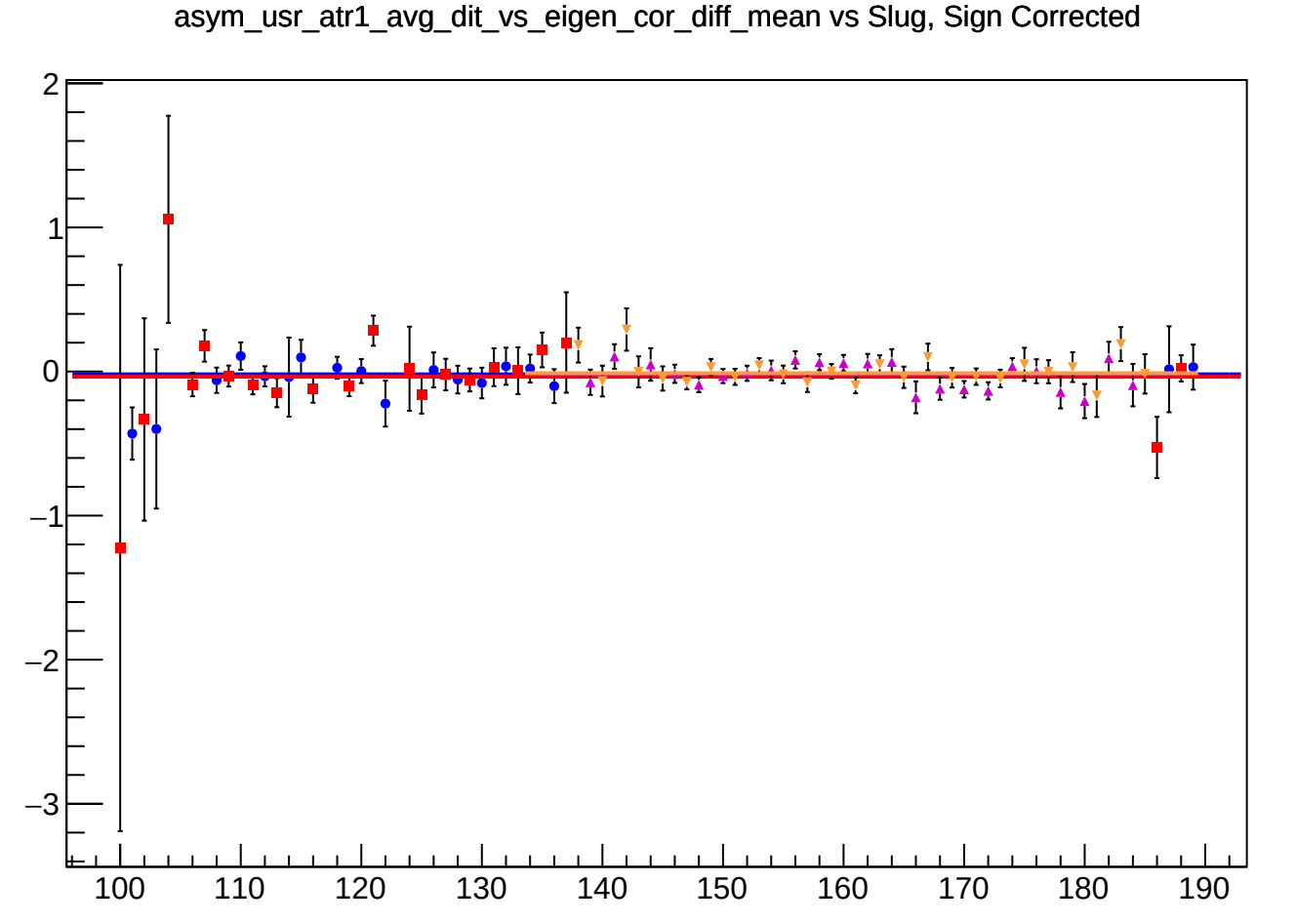
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 60.522+/-0.012 χ^2/NDF: 5085458.9/38

In: 58.015+/-0.009 χ^2/NDF:4310592.3/40

Out: 56.937+/-0.009 χ^2/NDF:5786917.5/45

All: 57.458+/-0.006 χ^2/NDF: 10104996.2/86



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

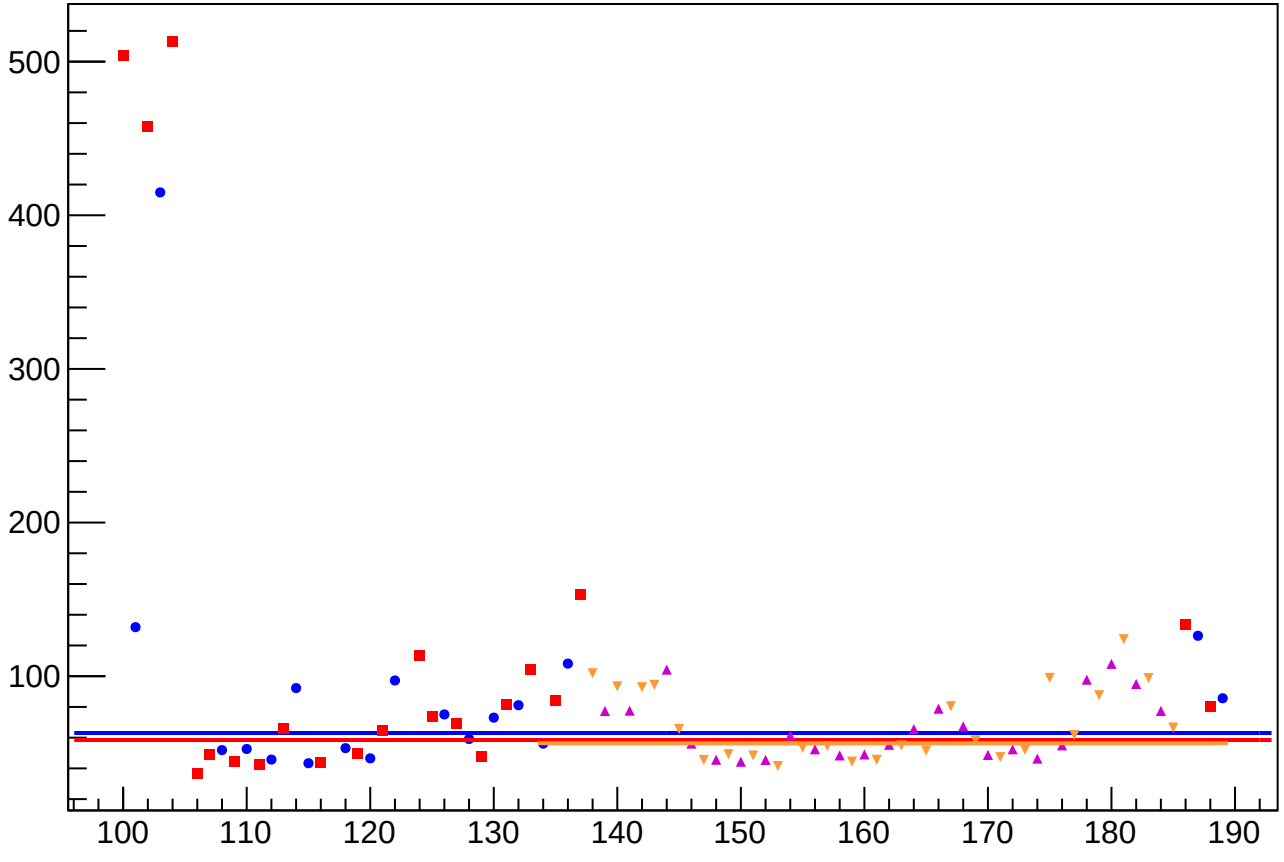
Right: -0.028+/-0.017 χ^2/NDF: 42.5/38

In: -0.018+/-0.013 χ^2/NDF:42.8/40

Out: -0.018+/-0.012 χ^2/NDF:52.7/45

All: -0.018+/-0.009 χ^2/NDF: 95.4/86

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.031+/-0.018 χ^2/NDF: 2073685.1/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 58.468+/-0.017 χ^2/NDF: 2978096.8/20

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

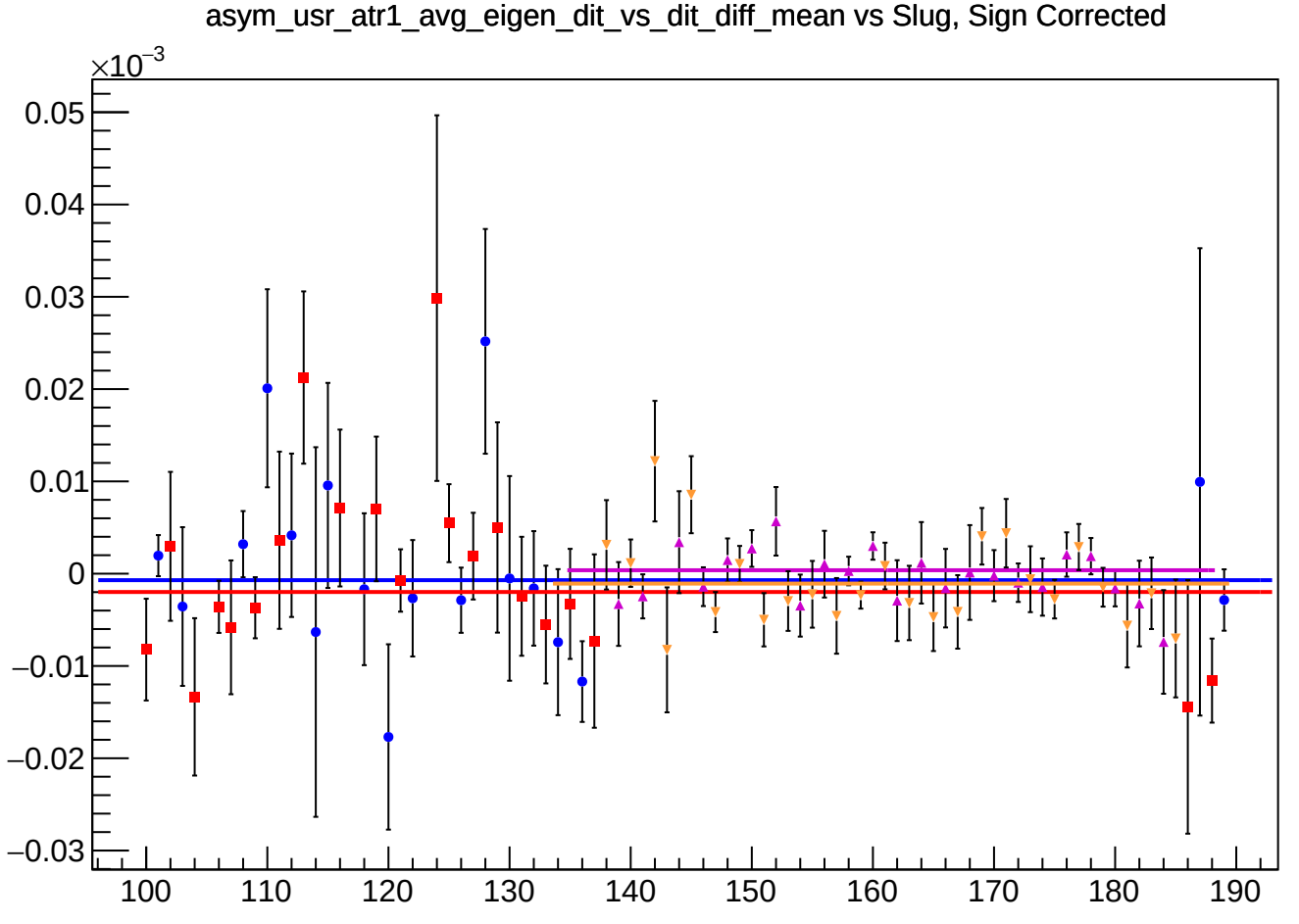
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 60.522+/-0.012 χ^2/NDF: 5085458.9/38

In: 58.015+/-0.009 χ^2/NDF:4310592.3/40

Out: 56.937+/-0.009 χ^2/NDF:5786917.5/45

All: 57.458+/-0.006 χ^2/NDF: 10104996.2/86



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

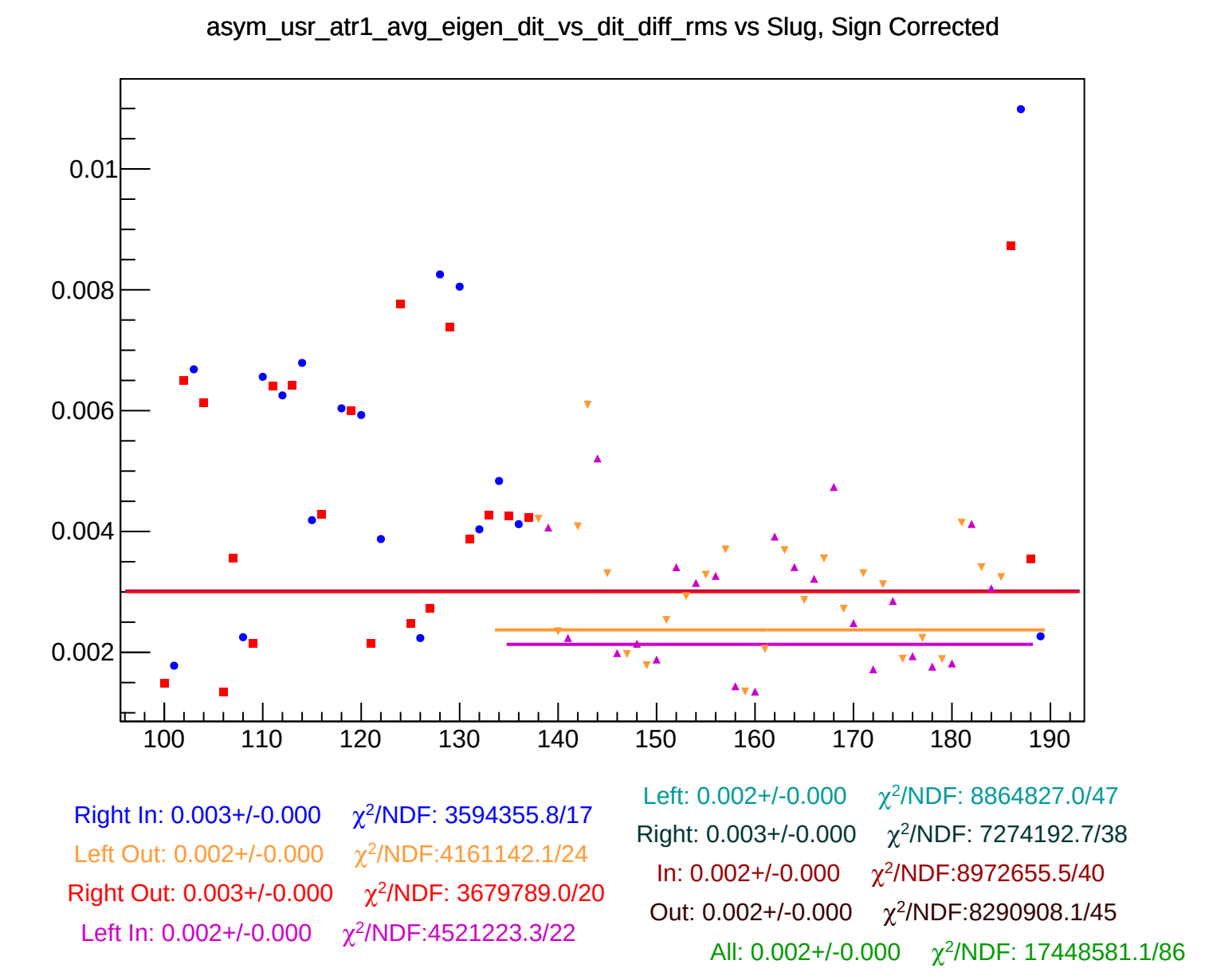
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/38

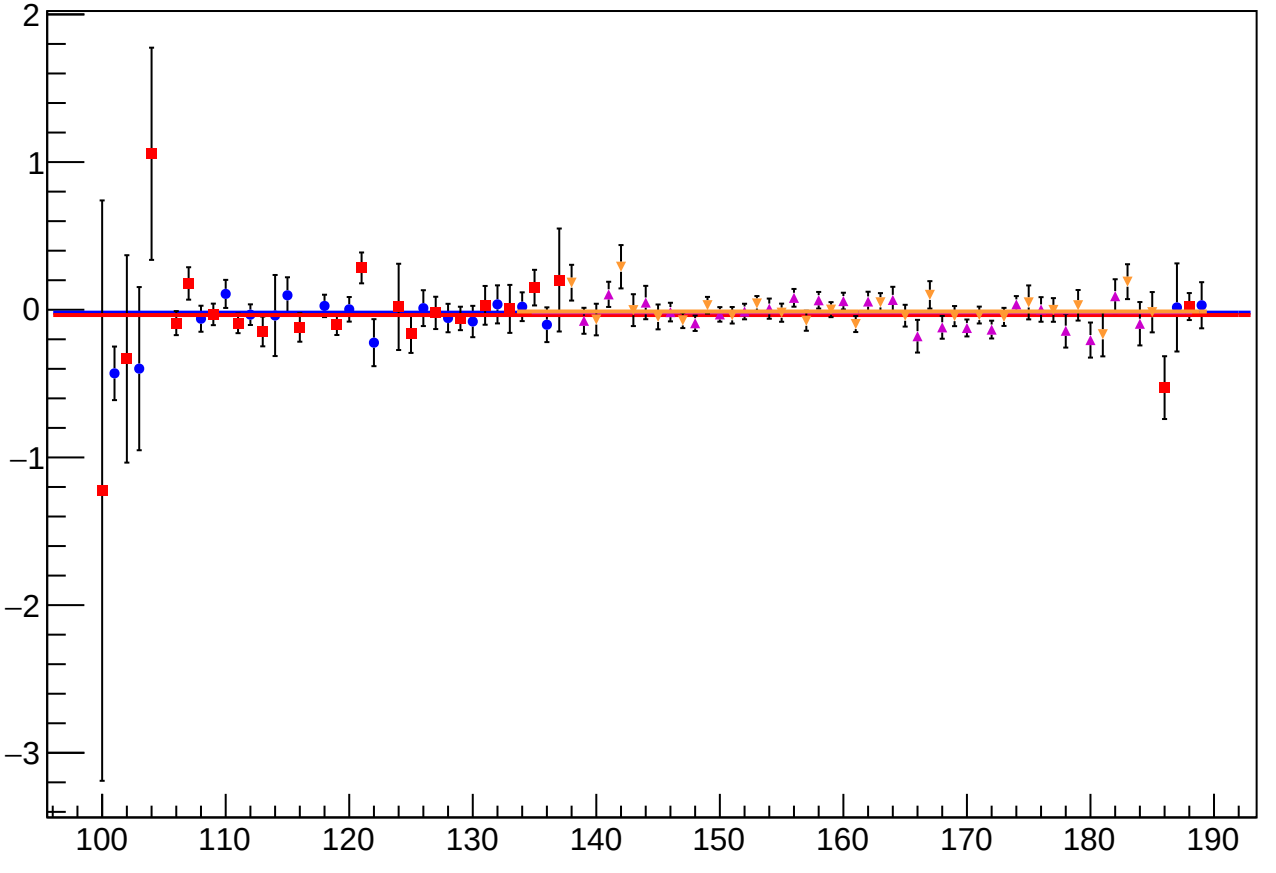
In: 0.000+/-0.000 χ^2/NDF:41.3/40

Out: -0.000+/-0.000 χ^2/NDF:58.2/45

All: -0.000+/-0.000 χ^2/NDF: 103.6/86


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 3594355.8/17
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 3679789.0/20
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 7274192.7/38
In: 0.002+/-0.000 χ²/NDF:8972655.5/40
Out: 0.002+/-0.000 χ²/NDF:8290908.1/45
All: 0.002+/-0.000 χ²/NDF: 17448581.1/86

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

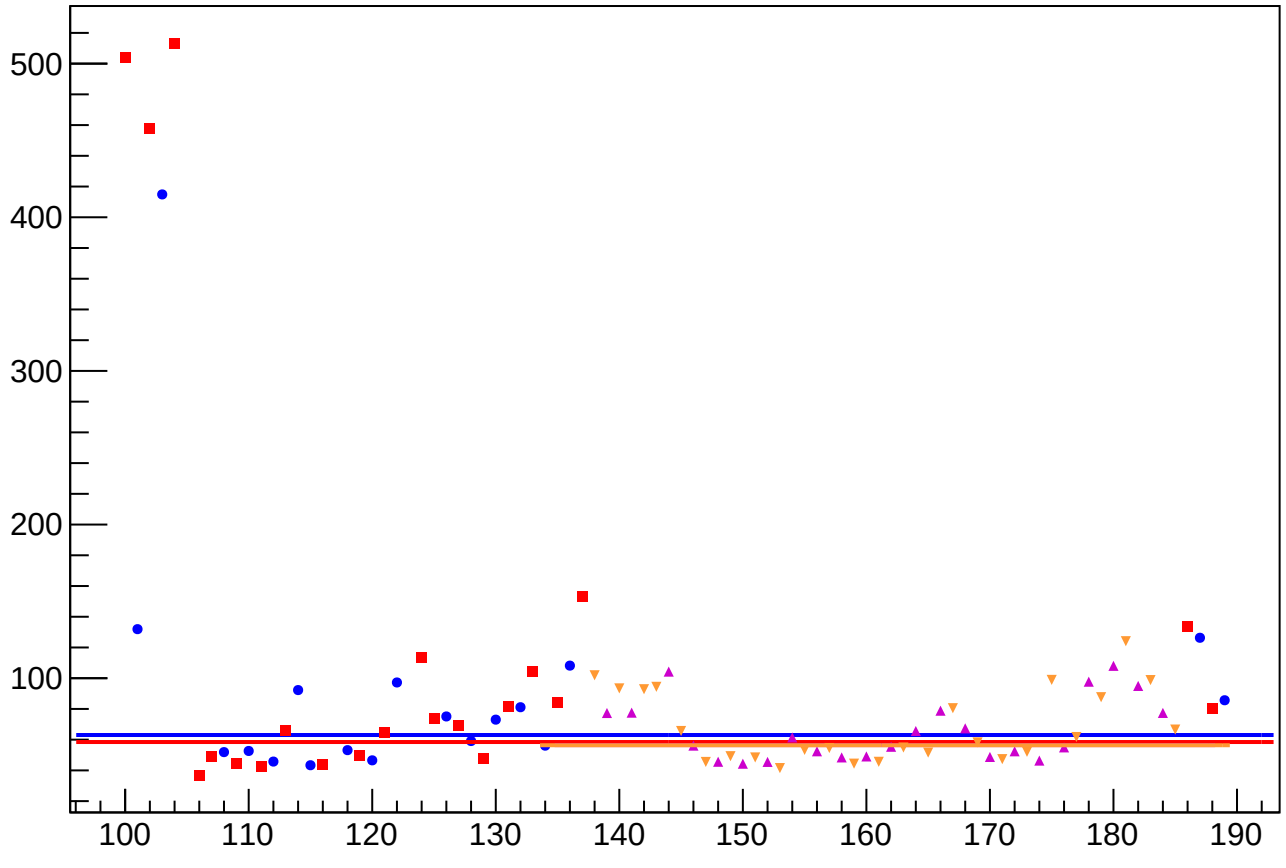
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.028+/-0.017 χ^2/NDF: 42.5/38

In: -0.018+/-0.013 χ^2/NDF:42.8/40

Out: -0.018+/-0.012 χ^2/NDF:52.7/45

All: -0.018+/-0.009 χ^2/NDF: 95.4/86



Right In: 63.031+/-0.018 χ^2/NDF: 2073653.6/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 58.467+/-0.017 χ^2/NDF: 2978090.0/20

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

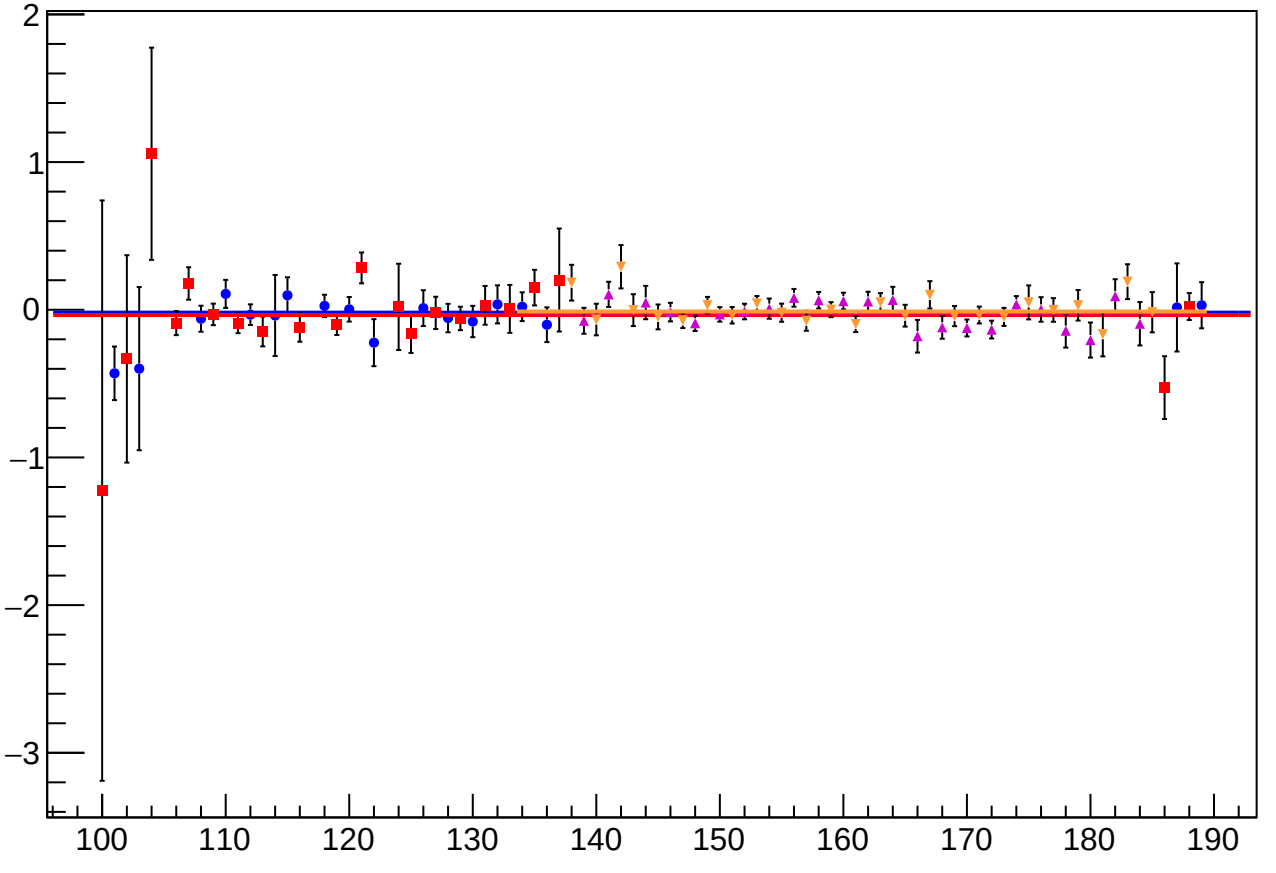
Right: 60.521+/-0.012 χ^2/NDF: 5085423.3/38

In: 58.015+/-0.009 χ^2/NDF:4310523.7/40

Out: 56.937+/-0.009 χ^2/NDF:5786974.9/45

All: 57.458+/-0.006 χ^2/NDF: 10104985.3/86

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.026 χ^2/NDF: 12.1/17

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

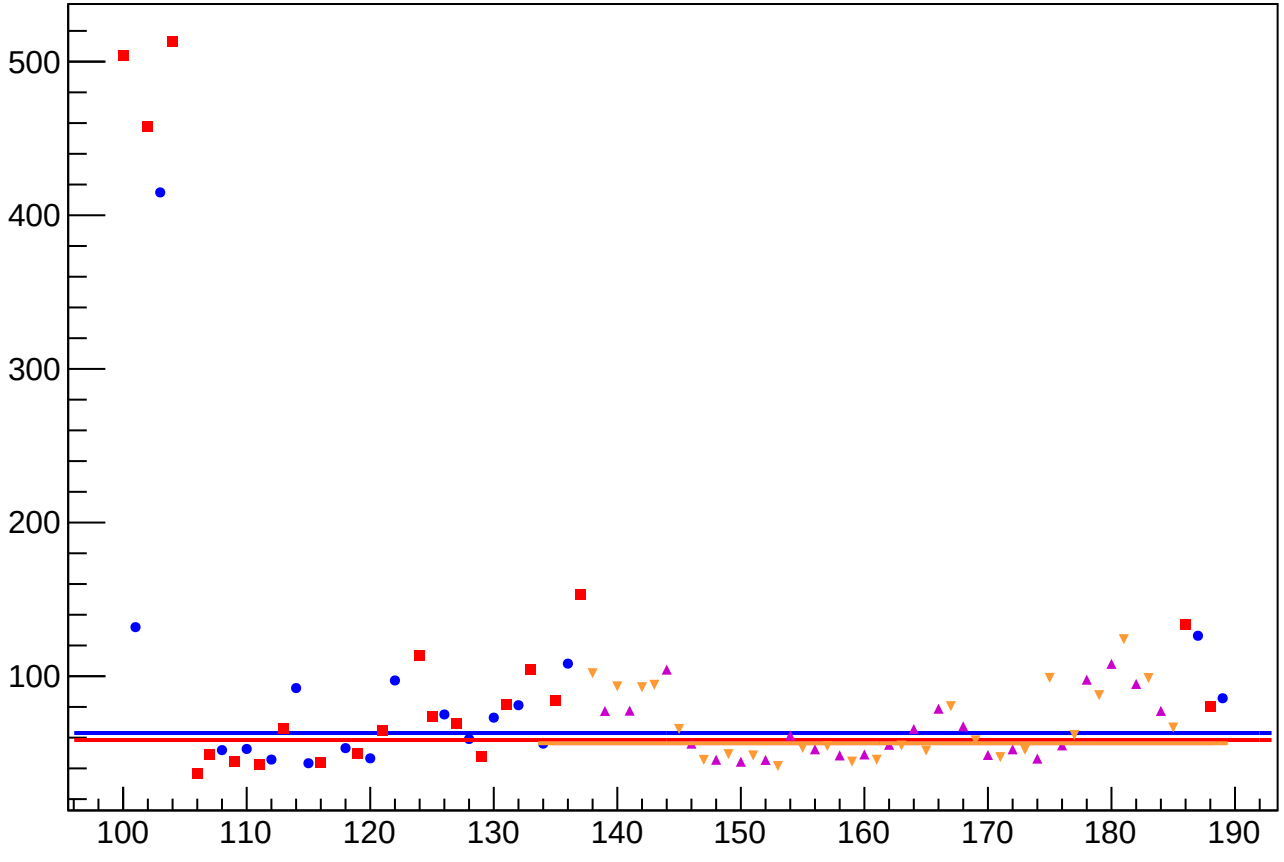
Right: -0.028+/-0.017 χ^2/NDF: 42.5/38

In: -0.018+/-0.013 χ^2/NDF:42.8/40

Out: -0.018+/-0.012 χ^2/NDF:52.7/45

All: -0.018+/-0.009 χ^2/NDF: 95.4/86

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.031+/-0.018 χ^2/NDF: 2073653.6/17

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 58.467+/-0.017 χ^2/NDF: 2978090.0/20

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

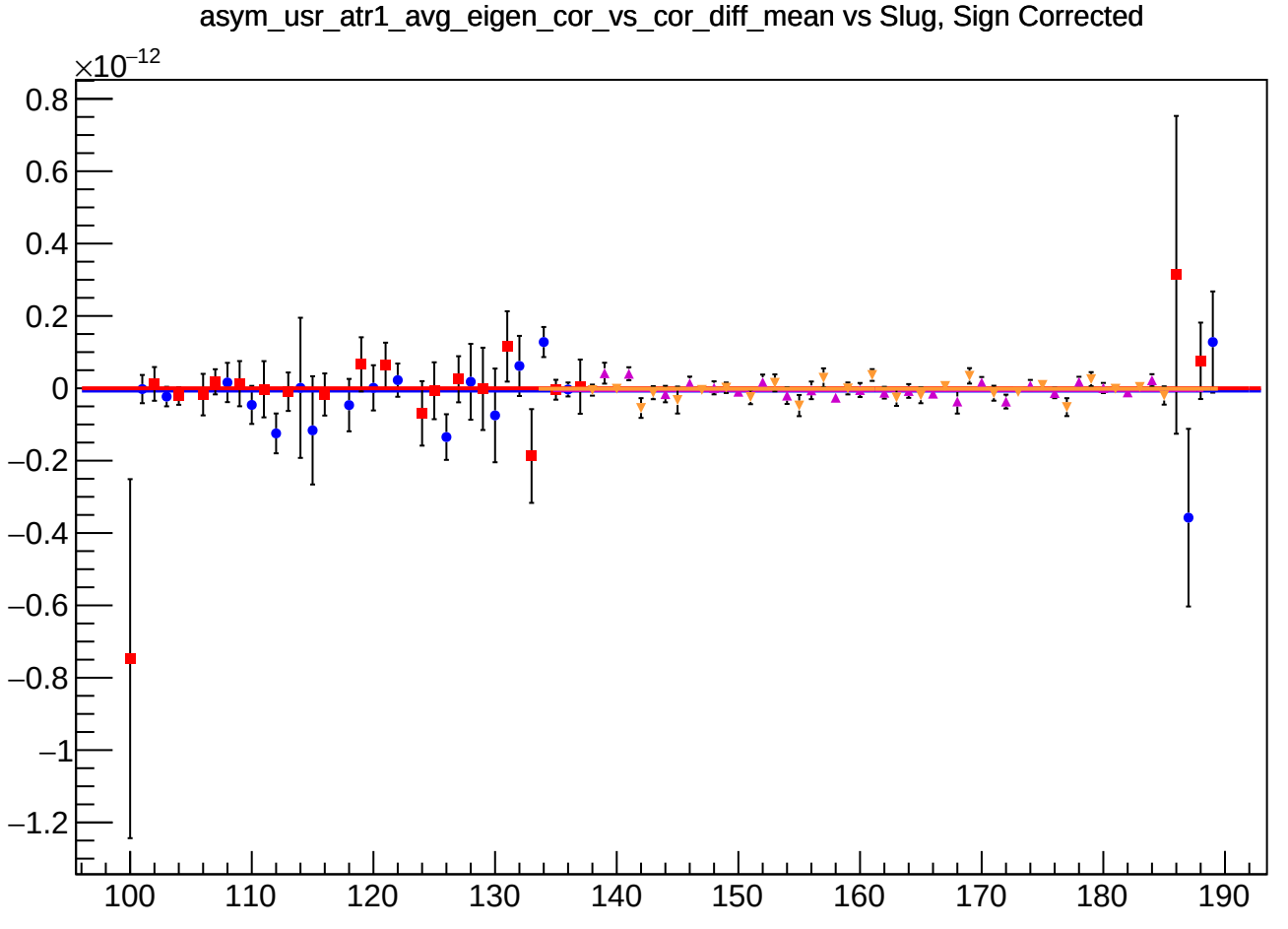
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 60.521+/-0.012 χ^2/NDF: 5085423.3/38

In: 58.015+/-0.009 χ^2/NDF:4310523.7/40

Out: 56.937+/-0.009 χ^2/NDF:5786974.9/45

All: 57.458+/-0.006 χ^2/NDF: 10104985.3/86



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10.7/20

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

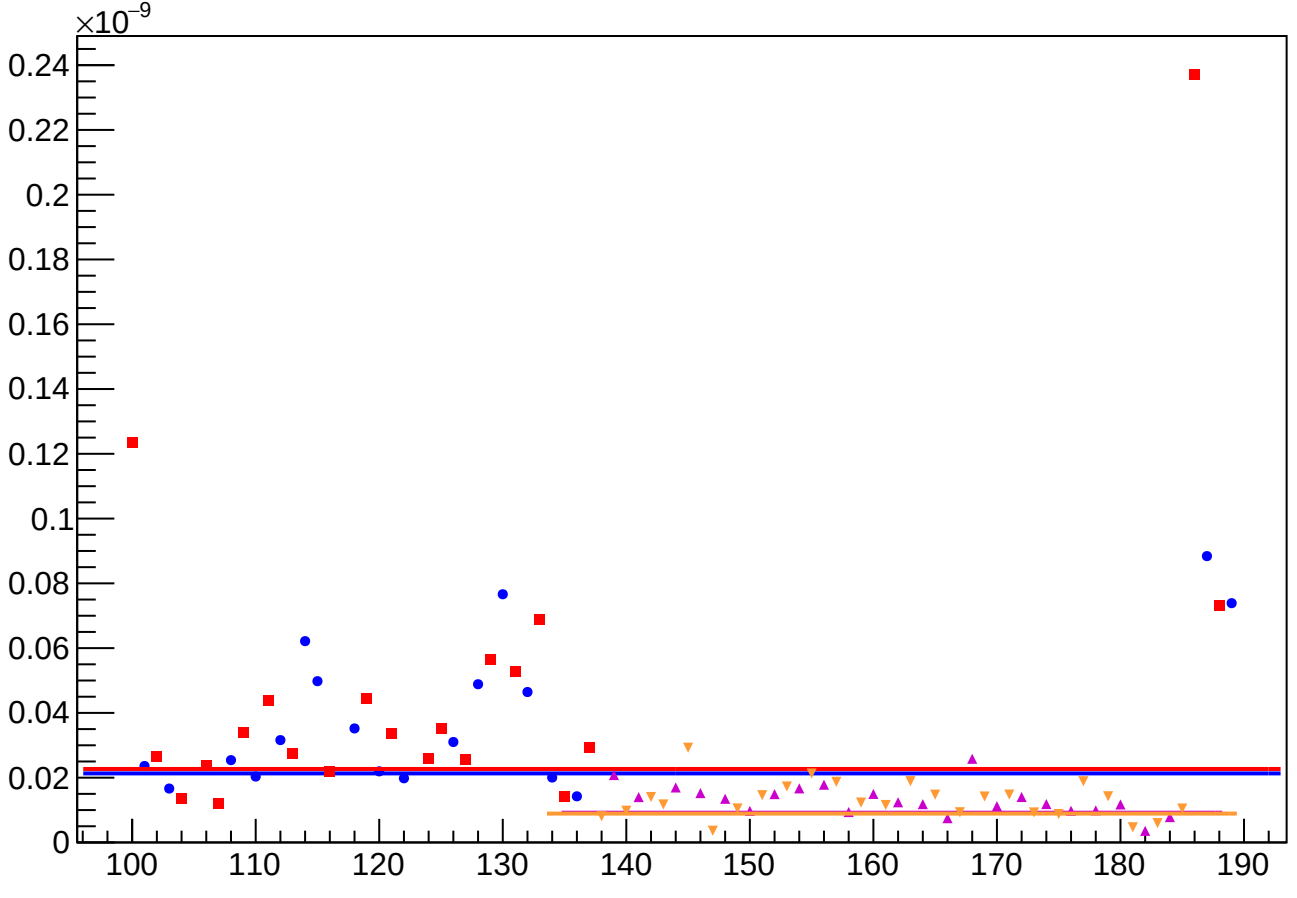
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 36.5/38

In: -0.000+/-0.000 χ^2/NDF:54.0/40

Out: -0.000+/-0.000 χ^2/NDF:40.4/45

All: -0.000+/-0.000 χ^2/NDF: 95.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 1820323.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2849335.6/20

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

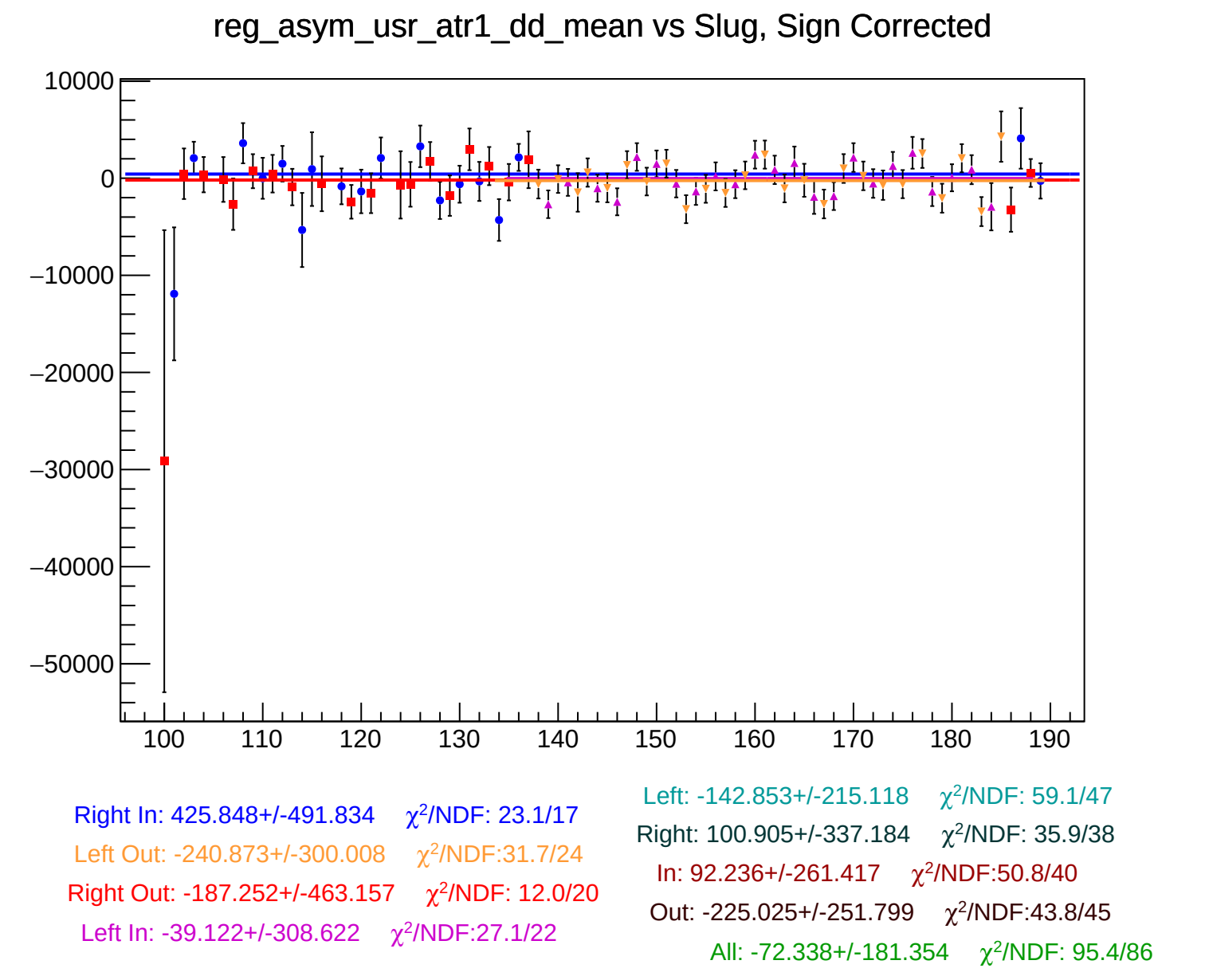
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

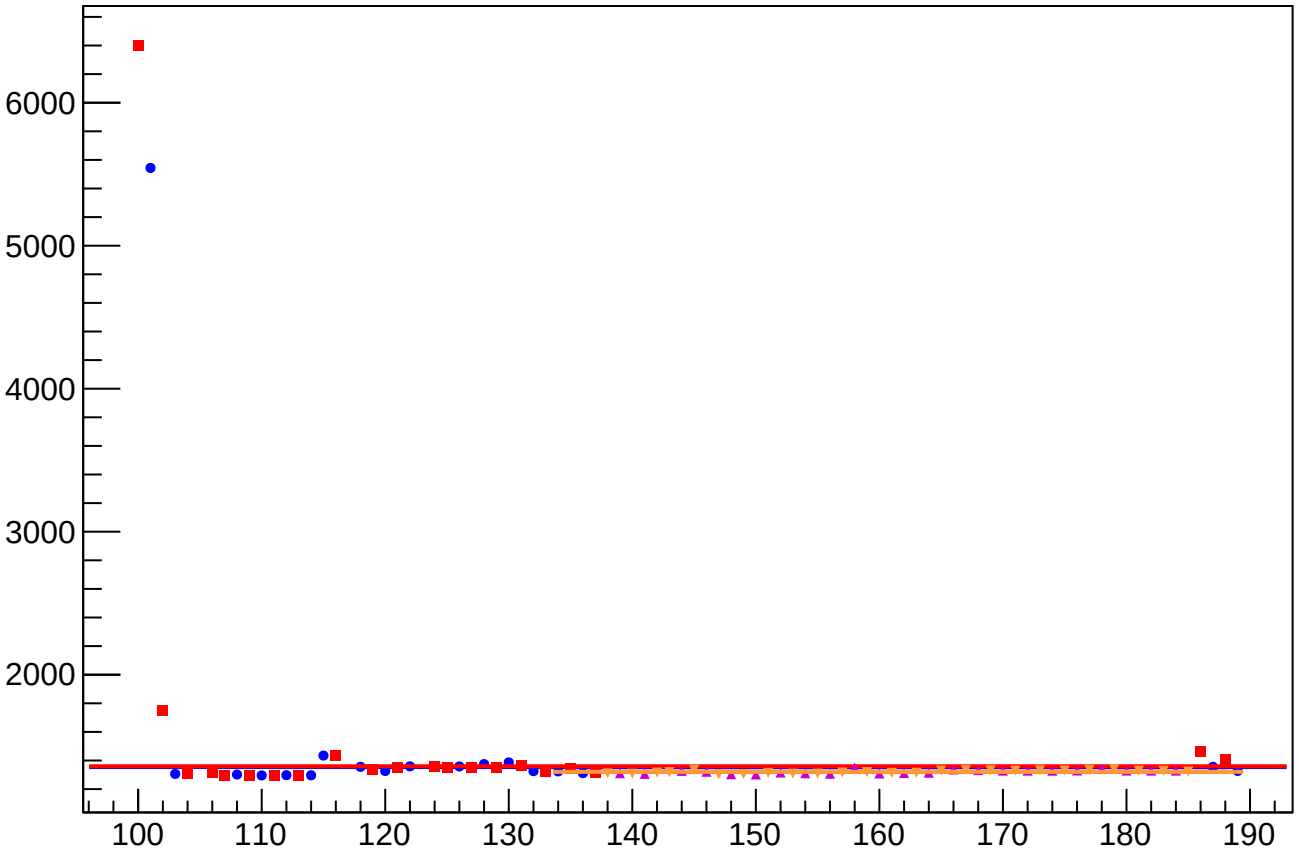
Right: 0.000+/-0.000 χ^2/NDF: 4683776.8/38

In: 0.000+/-0.000 χ^2/NDF:9076282.7/40

Out: 0.000+/-0.000 χ^2/NDF:10462630.0/45

All: 0.000+/-0.000 χ^2/NDF: 19549120.7/86


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 425.848+/-491.834 χ²/NDF: 23.1/17
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -187.252+/-463.157 χ²/NDF: 12.0/20
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: 100.905+/-337.184 χ²/NDF: 35.9/38
In: 92.236+/-261.417 χ²/NDF:50.8/40
Out: -225.025+/-251.799 χ²/NDF:43.8/45
All: -72.338+/-181.354 χ²/NDF: 95.4/86



Right In: 1354.261+/-0.348 χ^2/NDF: 760736.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1359.756+/-0.328 χ^2/NDF: 154561.5/20

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

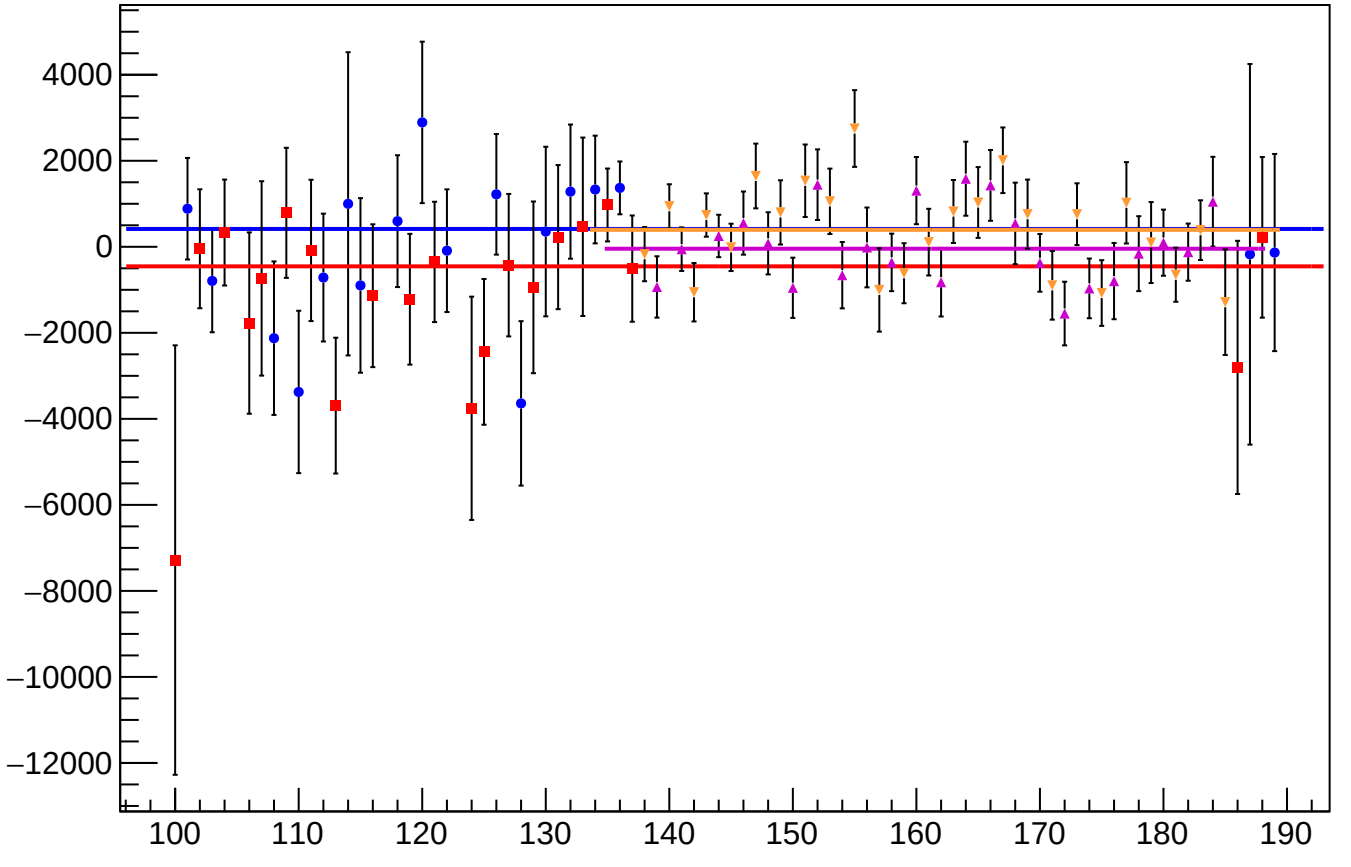
Right: 1357.174+/-0.238 χ^2/NDF: 915430.7/38

In: 1330.958+/-0.185 χ^2/NDF:770547.7/40

Out: 1332.272+/-0.178 χ^2/NDF:167161.6/45

All: 1331.640+/-0.128 χ^2/NDF: 937735.4/86

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 414.956+/-333.874 χ^2/NDF: 18.3/17

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -454.392+/-346.877 χ^2/NDF: 15.2/20

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

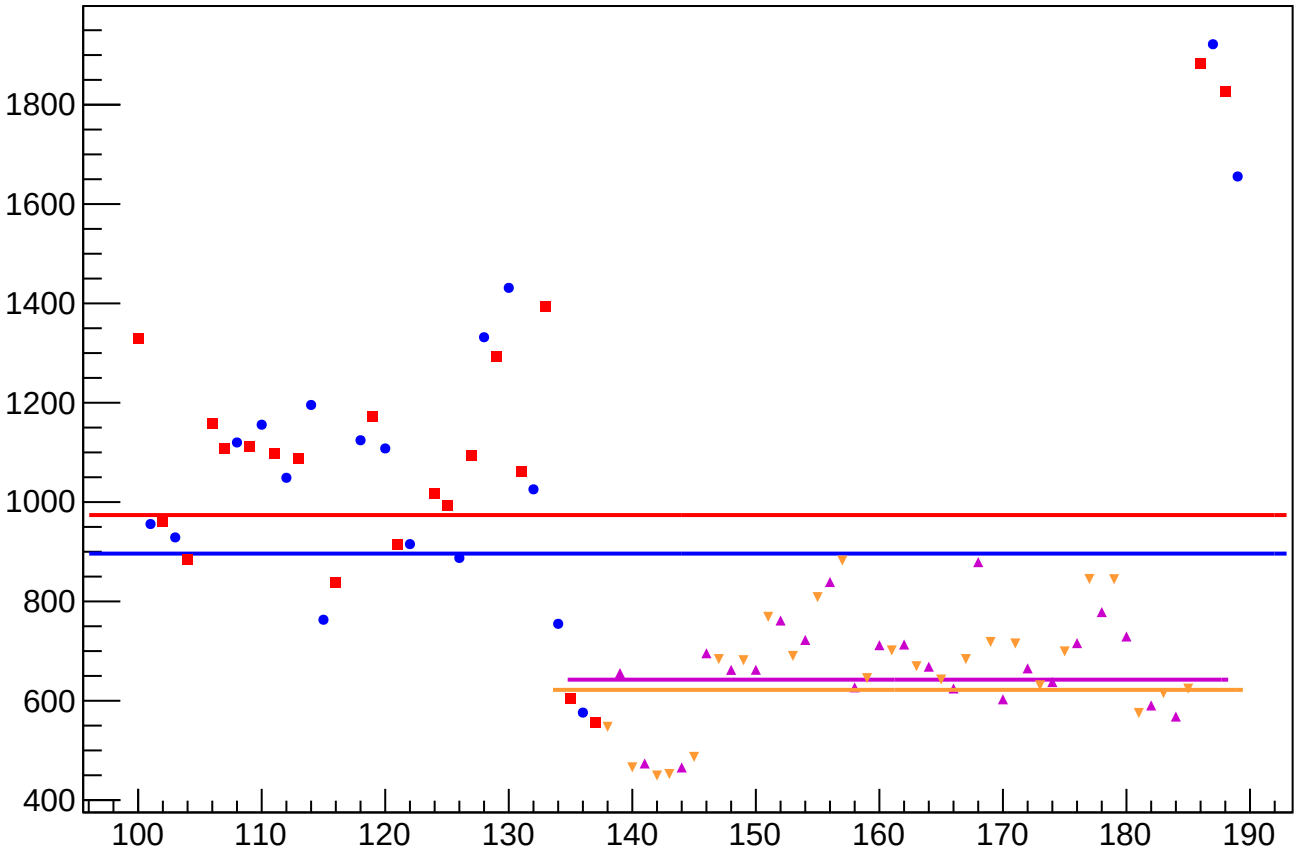
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -3.118+/-240.550 χ^2/NDF: 36.7/38

In: 34.436+/-138.589 χ^2/NDF:47.5/40

Out: 268.923+/-133.438 χ^2/NDF:62.1/45

All: 156.118+/-96.124 χ^2/NDF: 111.1/86



Right In: 896.289+/-0.236 χ^2/NDF: 1350640.8/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 973.862+/-0.245 χ^2/NDF: 1499299.3/20

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

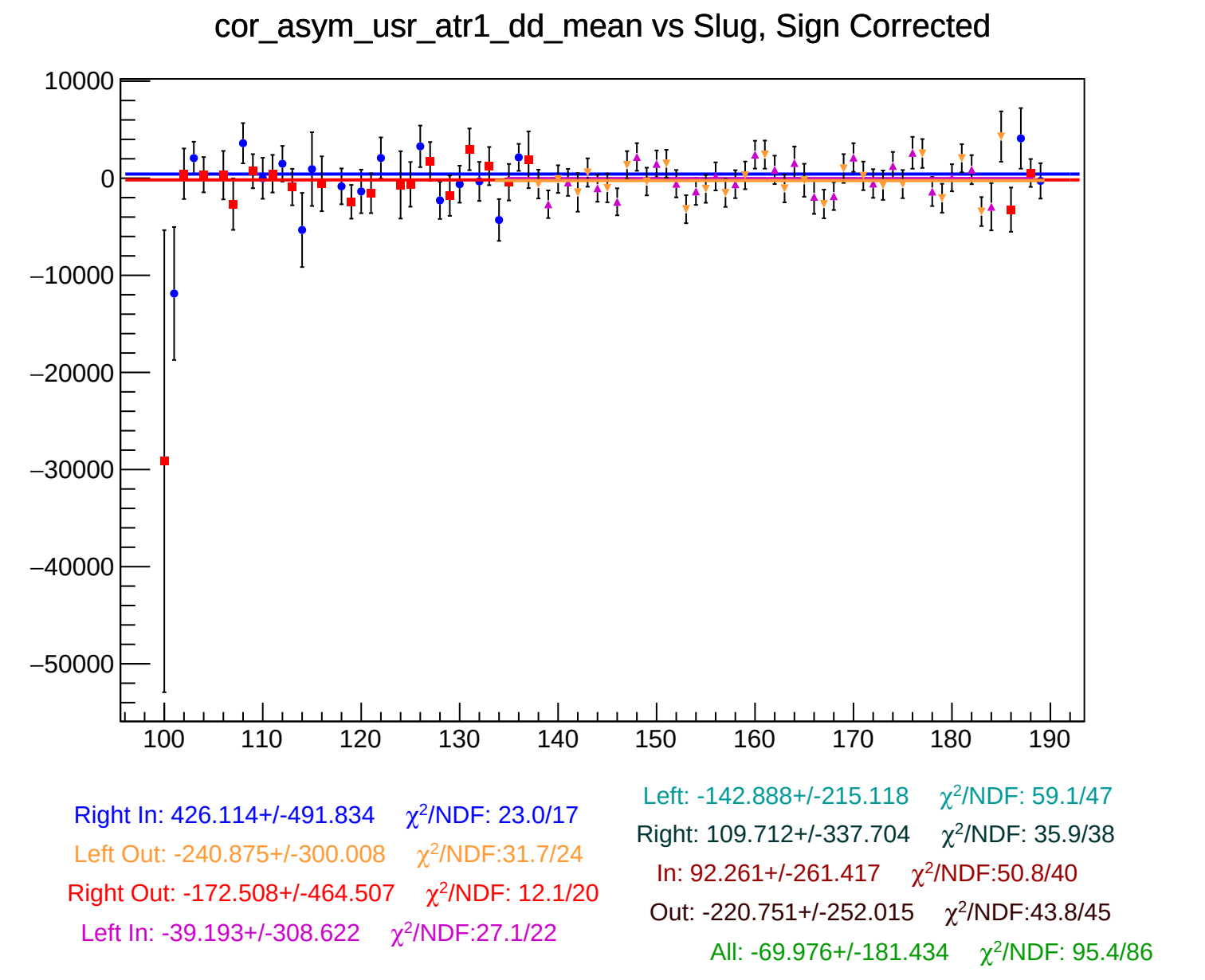
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

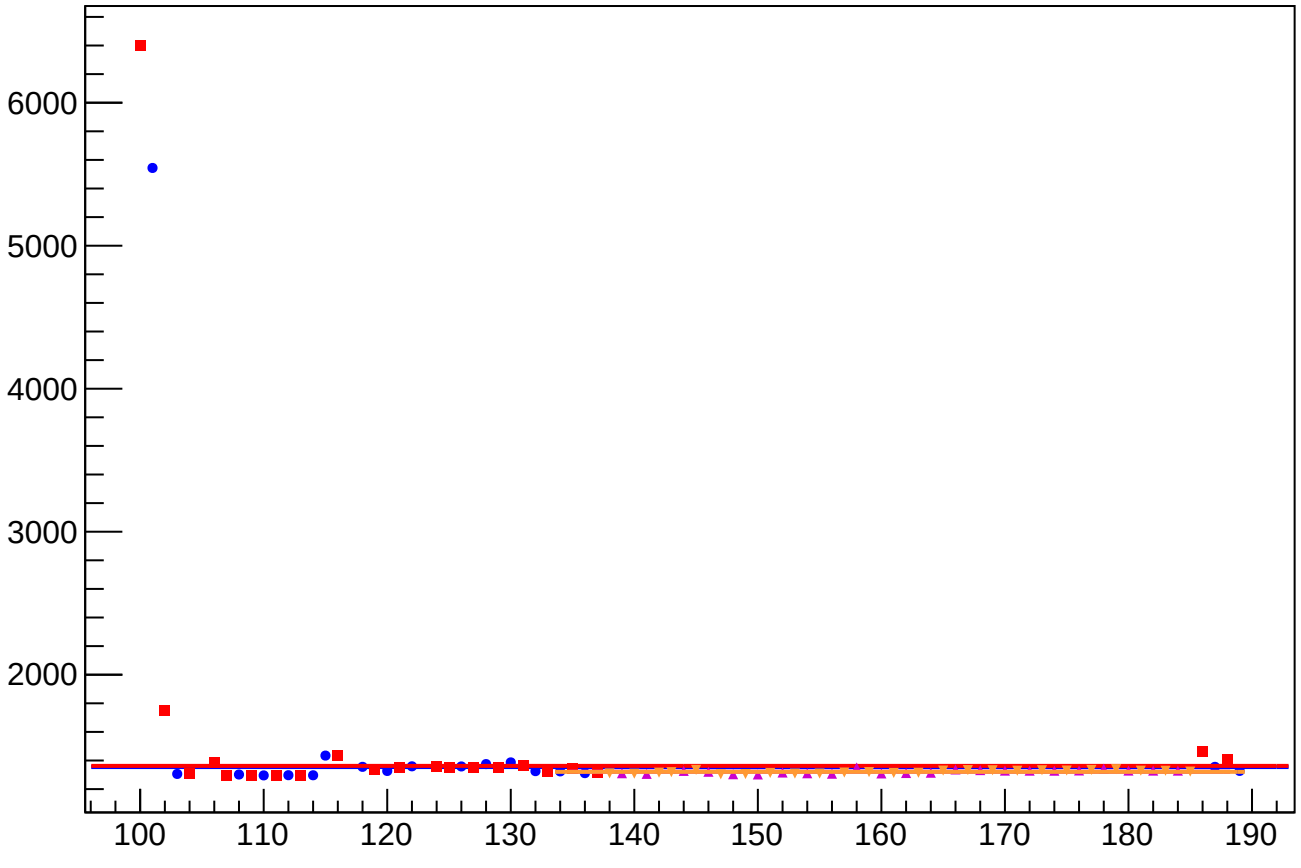
Right: 933.595+/-0.170 χ^2/NDF: 2901861.8/38

In: 686.204+/-0.098 χ^2/NDF:3233690.5/40

Out: 674.026+/-0.094 χ^2/NDF:4636637.4/45

All: 679.885+/-0.068 χ^2/NDF: 7878341.0/86


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: 426.114+/-491.834 χ²/NDF: 23.0/17
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -172.508+/-464.507 χ²/NDF: 12.1/20
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: 109.712+/-337.704 χ²/NDF: 35.9/38
In: 92.261+/-261.417 χ²/NDF:50.8/40
Out: -220.751+/-252.015 χ²/NDF:43.8/45
All: -69.976+/-181.434 χ²/NDF: 95.4/86



Right In: 1354.261+/-0.348 χ^2/NDF: 760735.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1362.474+/-0.328 χ^2/NDF: 154093.7/20

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

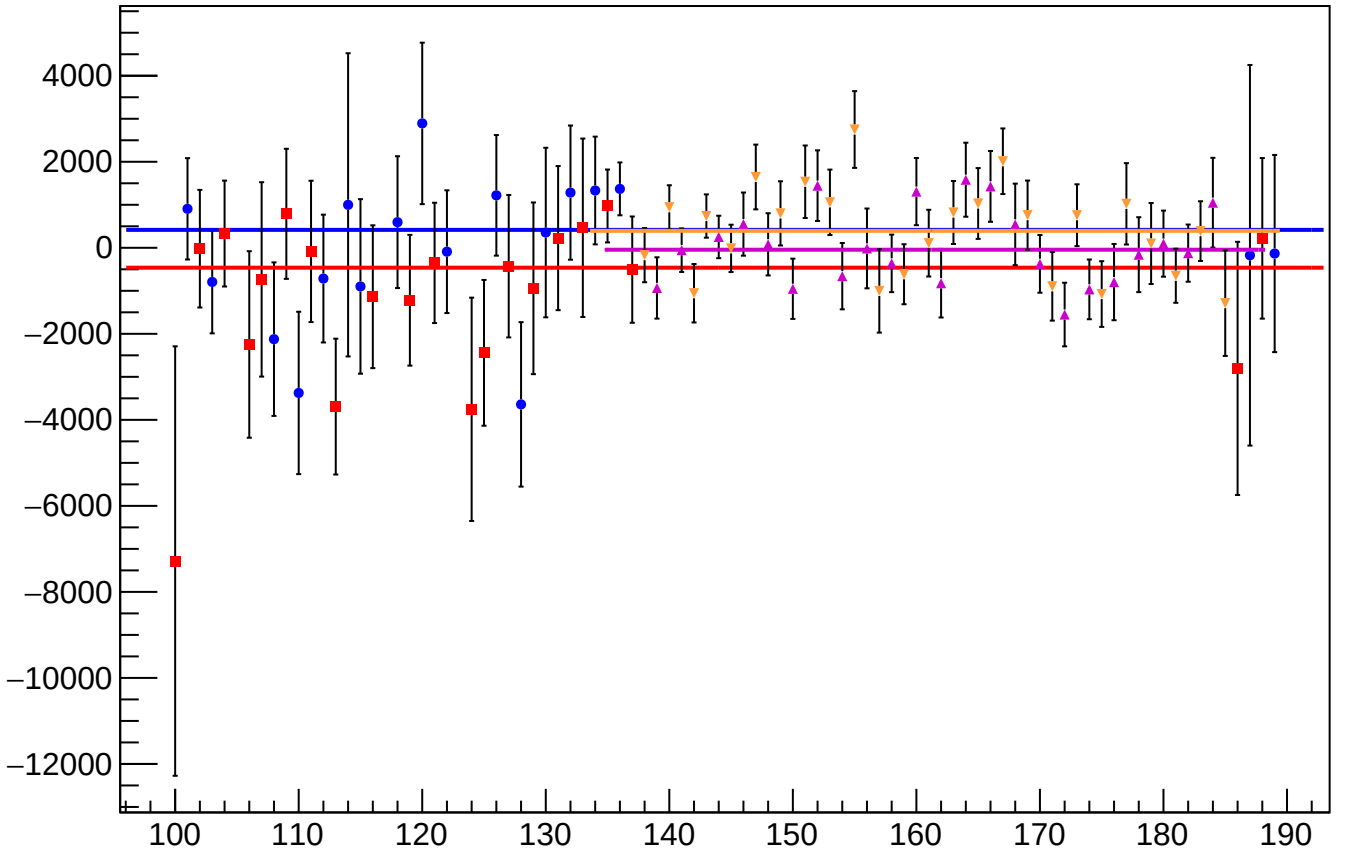
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1358.602+/-0.239 χ^2/NDF: 915124.3/38

In: 1330.958+/-0.185 χ^2/NDF:770546.7/40

Out: 1333.025+/-0.178 χ^2/NDF:168087.9/45

All: 1332.029+/-0.128 χ^2/NDF: 938699.4/86



Right In: 416.686+/-333.819 χ^2/NDF: 18.3/17

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -462.462+/-346.882 χ^2/NDF: 15.5/20

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

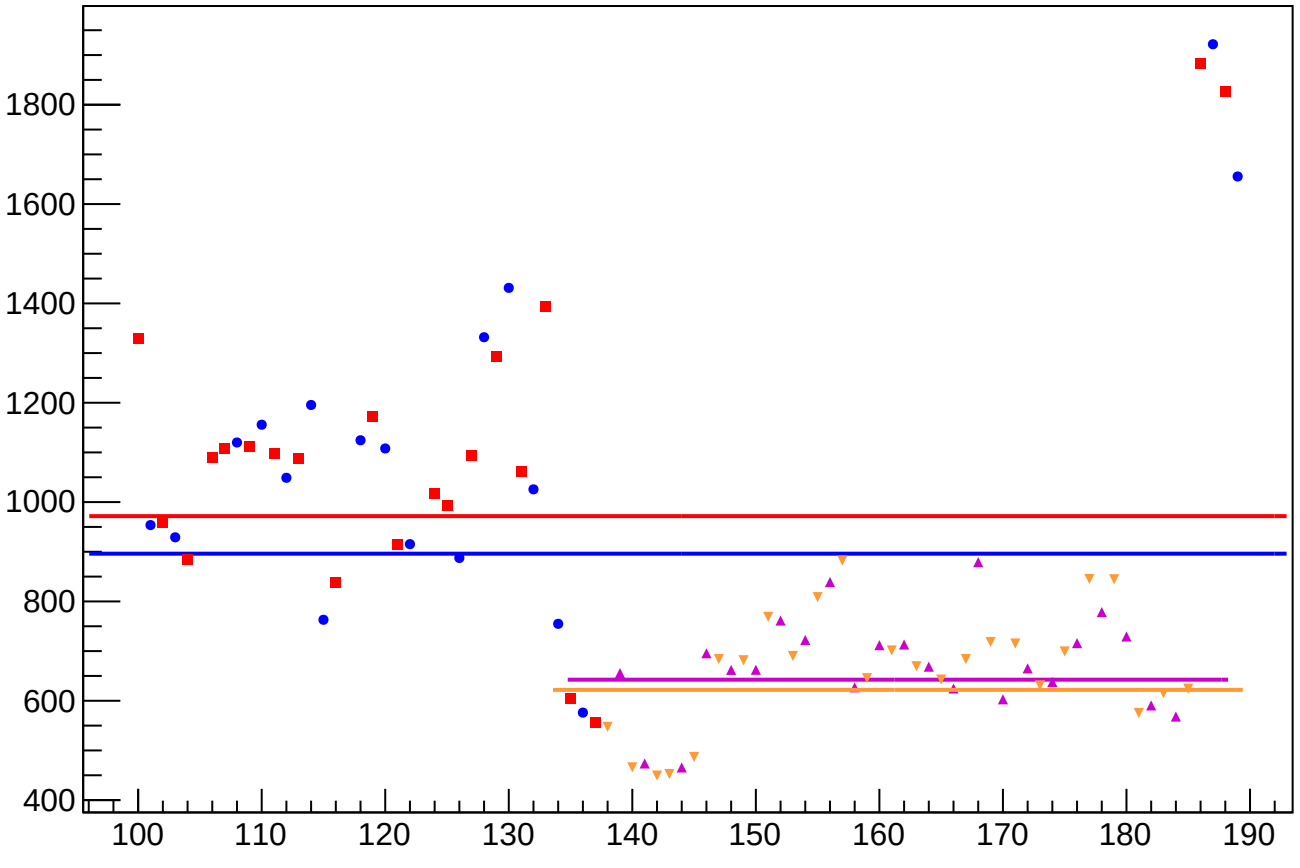
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -6.024+/-240.531 χ^2/NDF: 37.1/38

In: 34.764+/-138.584 χ^2/NDF:47.5/40

Out: 267.708+/-133.438 χ^2/NDF:62.5/45

All: 155.642+/-96.123 χ^2/NDF: 111.5/86



Right In: 896.159+/-0.236 χ^2/NDF: 1350290.6/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 971.742+/-0.245 χ^2/NDF: 1489863.0/20

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

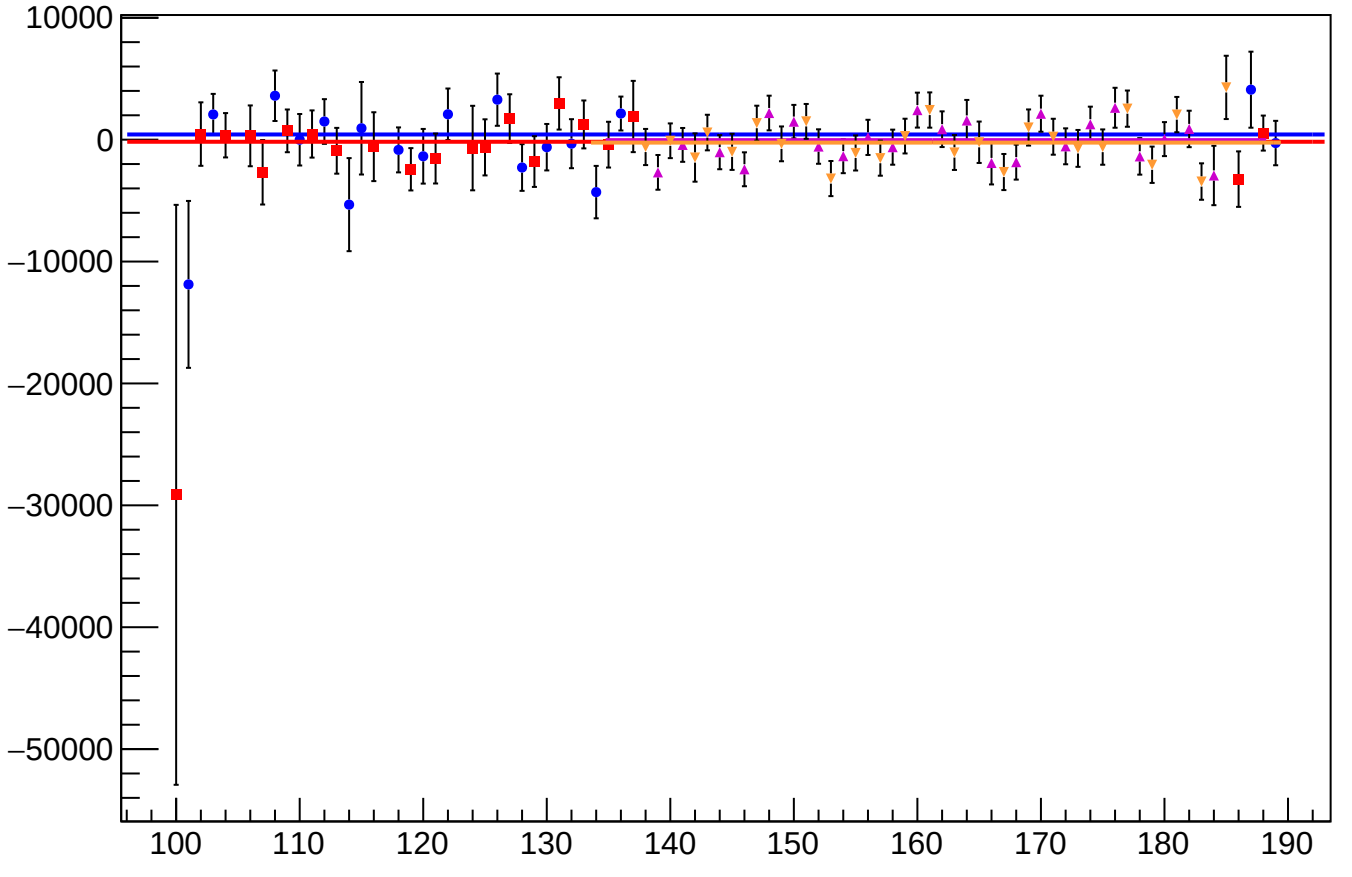
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 932.500+/-0.170 χ^2/NDF: 2889452.6/38

In: 686.189+/-0.098 χ^2/NDF:3232699.6/40

Out: 673.711+/-0.094 χ^2/NDF:4605992.3/45

All: 679.714+/-0.068 χ^2/NDF: 7847104.8/86



Right In: 426.114+/-491.834 χ^2/NDF: 23.0/17

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -172.508+/-464.507 χ^2/NDF: 12.1/20

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

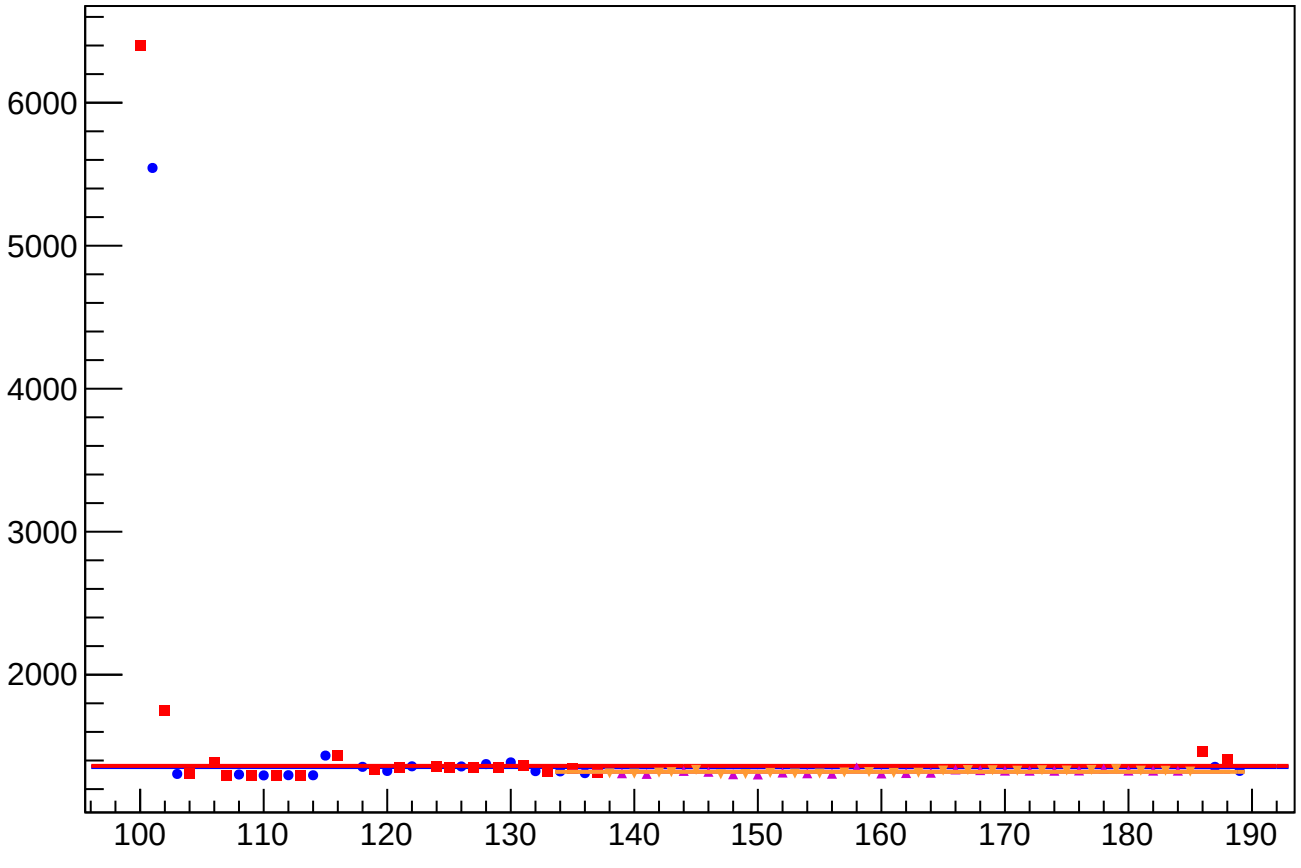
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 109.712+/-337.704 χ^2/NDF: 35.9/38

In: 92.261+/-261.417 χ^2/NDF:50.8/40

Out: -220.751+/-252.015 χ^2/NDF:43.8/45

All: -69.976+/-181.434 χ^2/NDF: 95.4/86



Right In: 1354.261+/-0.348 χ^2/NDF: 760735.9/17

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1362.474+/-0.328 χ^2/NDF: 154093.7/20

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

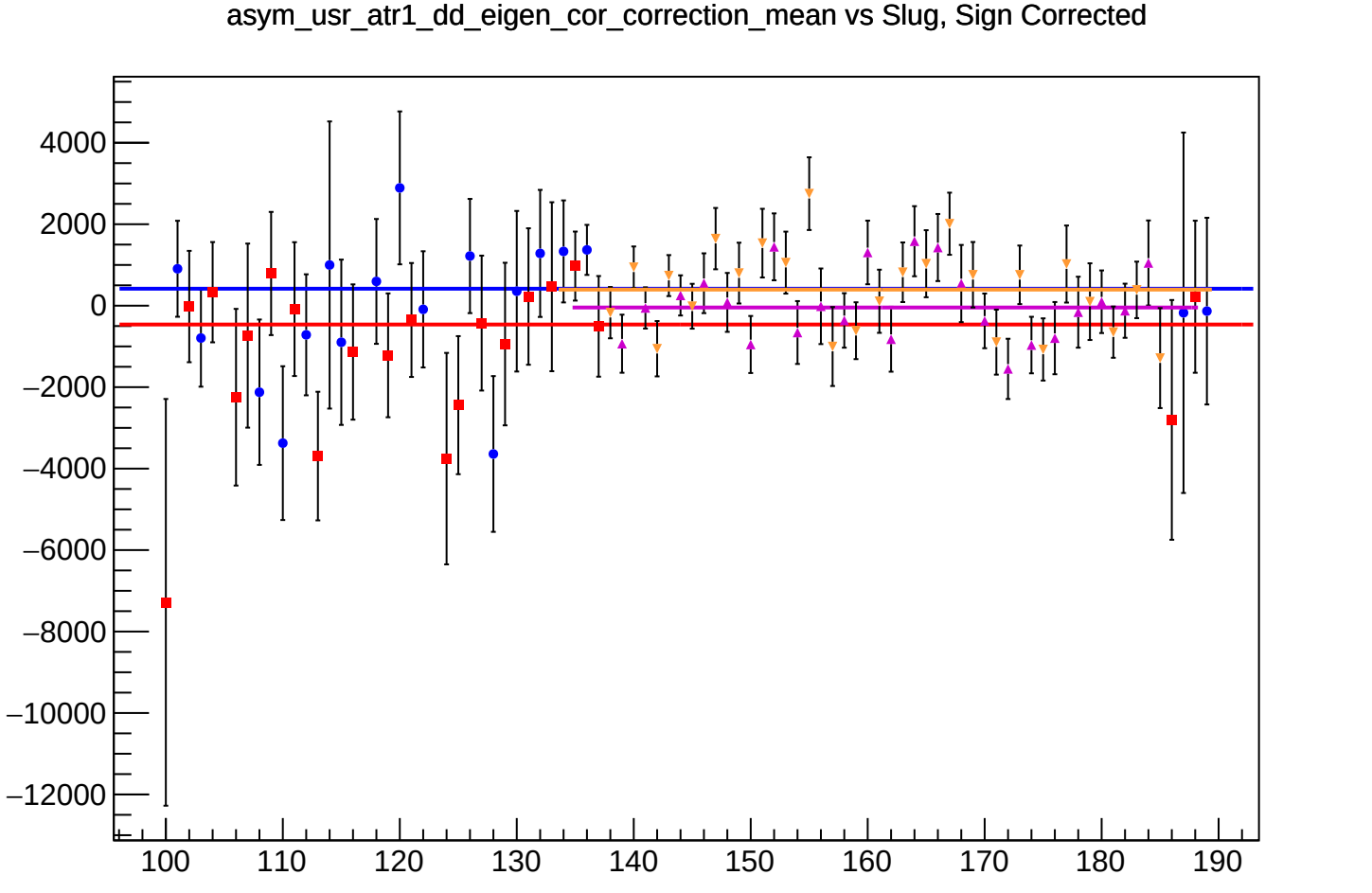
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1358.602+/-0.239 χ^2/NDF: 915124.3/38

In: 1330.958+/-0.185 χ^2/NDF:770546.7/40

Out: 1333.025+/-0.178 χ^2/NDF:168087.9/45

All: 1332.029+/-0.128 χ^2/NDF: 938699.4/86



Right In: 416.686+/-333.819 χ^2/NDF: 18.3/17

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -462.462+/-346.882 χ^2/NDF: 15.5/20

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

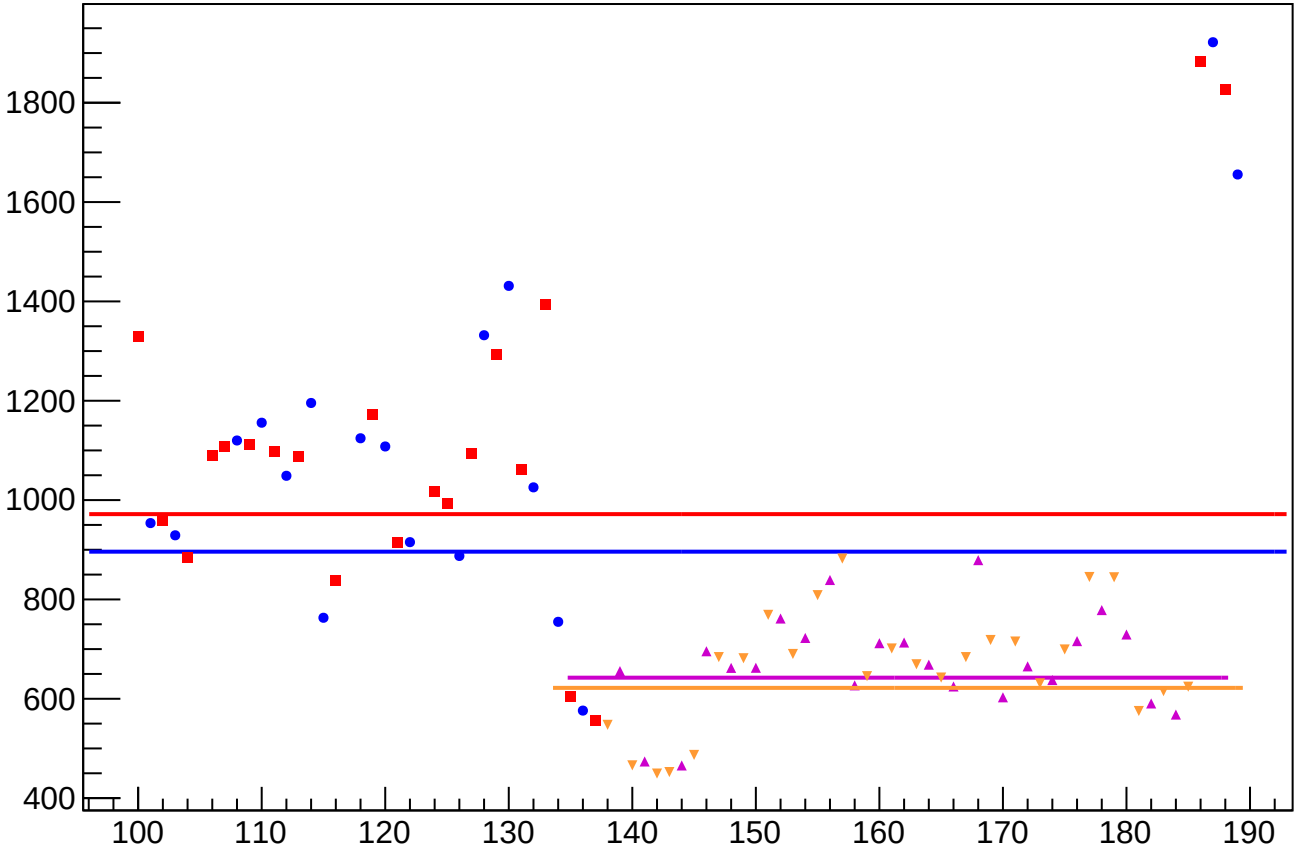
Right: -6.024+/-240.531 χ^2/NDF: 37.1/38

In: 34.764+/-138.584 χ^2/NDF:47.5/40

Out: 267.708+/-133.438 χ^2/NDF:62.5/45

All: 155.642+/-96.123 χ^2/NDF: 111.5/86

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 896.159+/-0.236 χ^2/NDF: 1350290.6/17

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 971.742+/-0.245 χ^2/NDF: 1489863.0/20

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

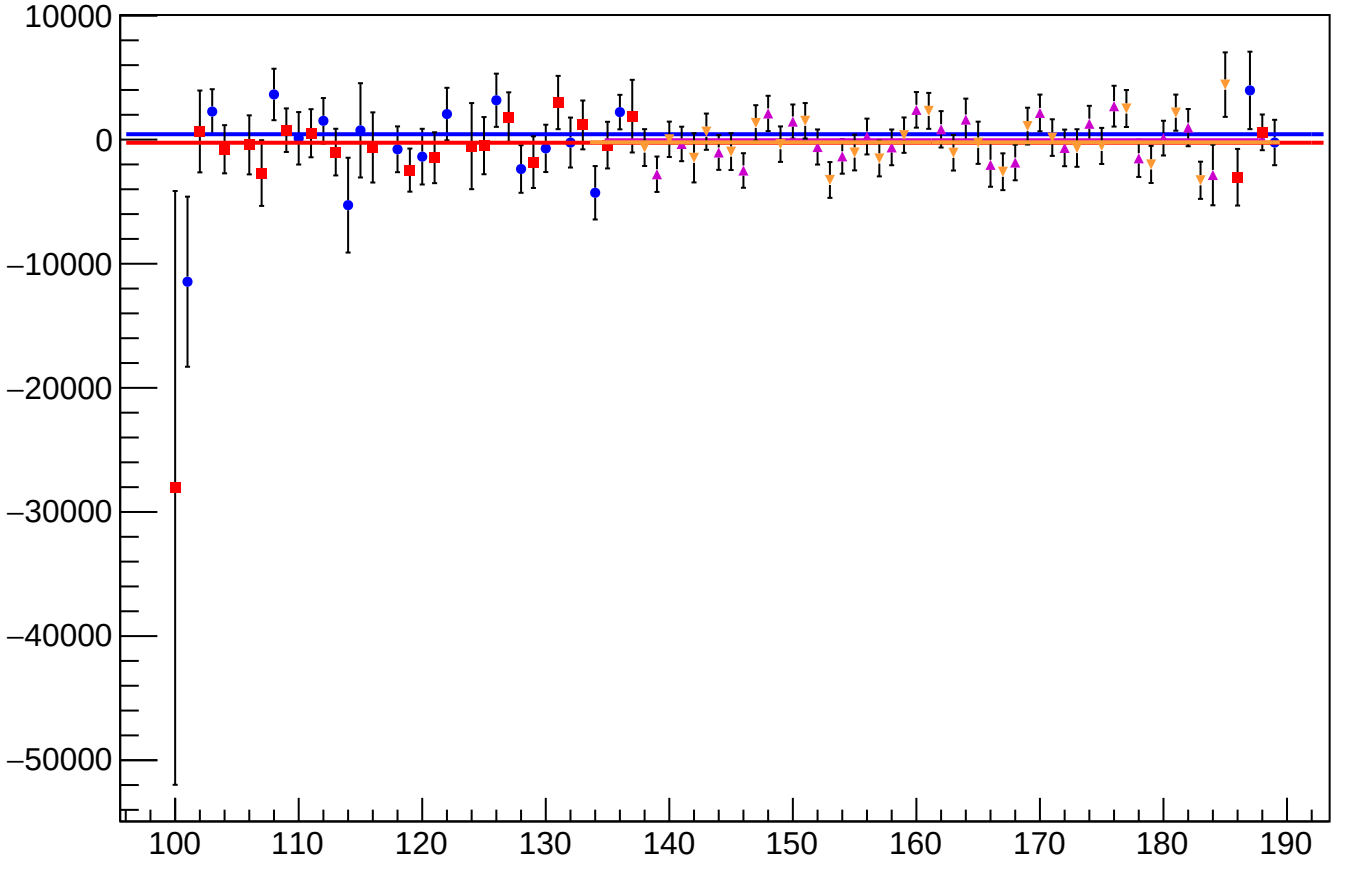
Right: 932.500+/-0.170 χ^2/NDF: 2889452.6/38

In: 686.189+/-0.098 χ^2/NDF:3232699.6/40

Out: 673.711+/-0.094 χ^2/NDF:4605992.3/45

All: 679.714+/-0.068 χ^2/NDF: 7847104.8/86

dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 434.115+/-494.854 χ^2/NDF: 22.8/17

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -251.427+/-468.723 χ^2/NDF: 11.8/20

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

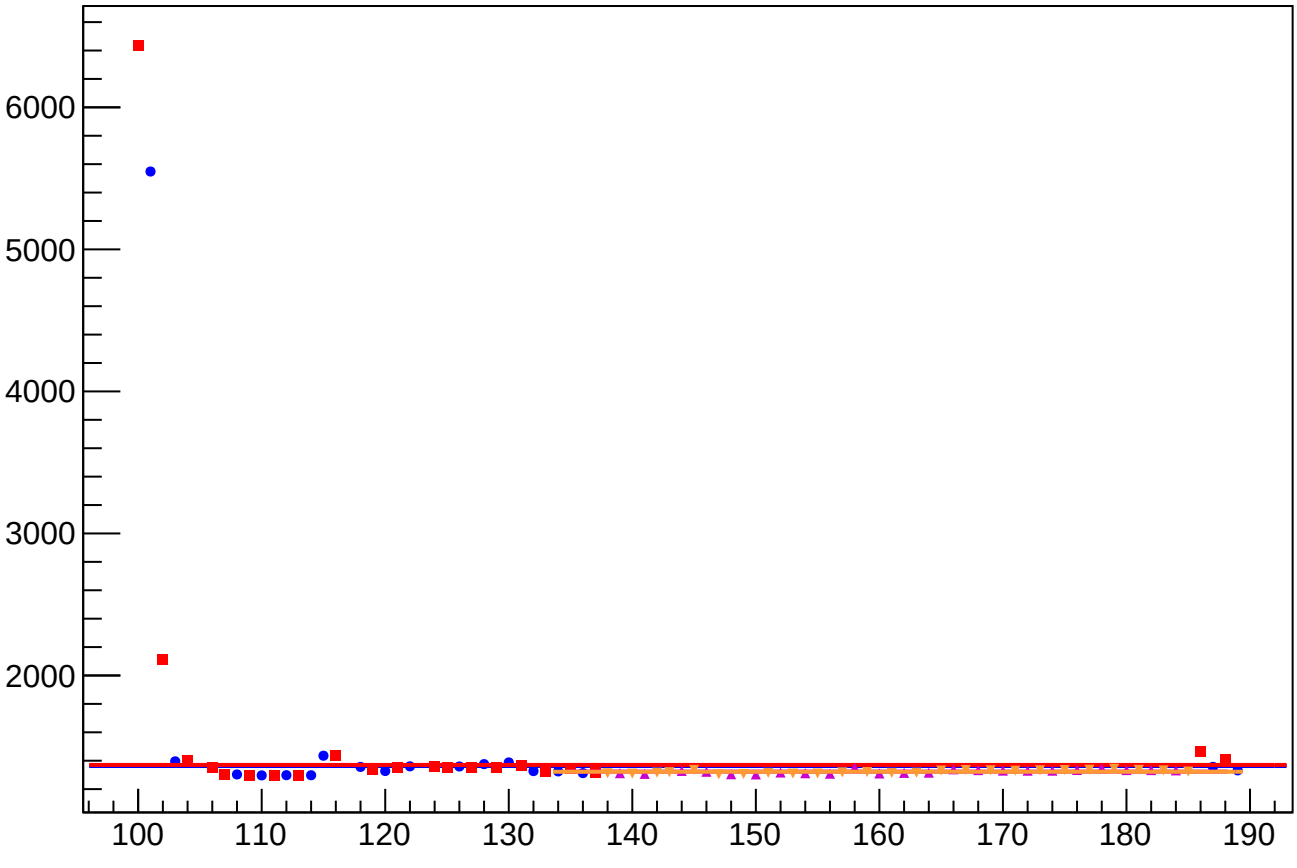
Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

Right: 72.767+/-340.300 χ^2/NDF: 35.6/38

In: 85.624+/-262.091 χ^2/NDF:51.3/40

Out: -225.629+/-252.904 χ^2/NDF:43.1/45

All: -75.553+/-181.991 χ^2/NDF: 95.1/86



Right In: 1362.638+/-0.350 χ^2/NDF: 759569.8/17

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1370.333+/-0.331 χ^2/NDF: 211084.4/20

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

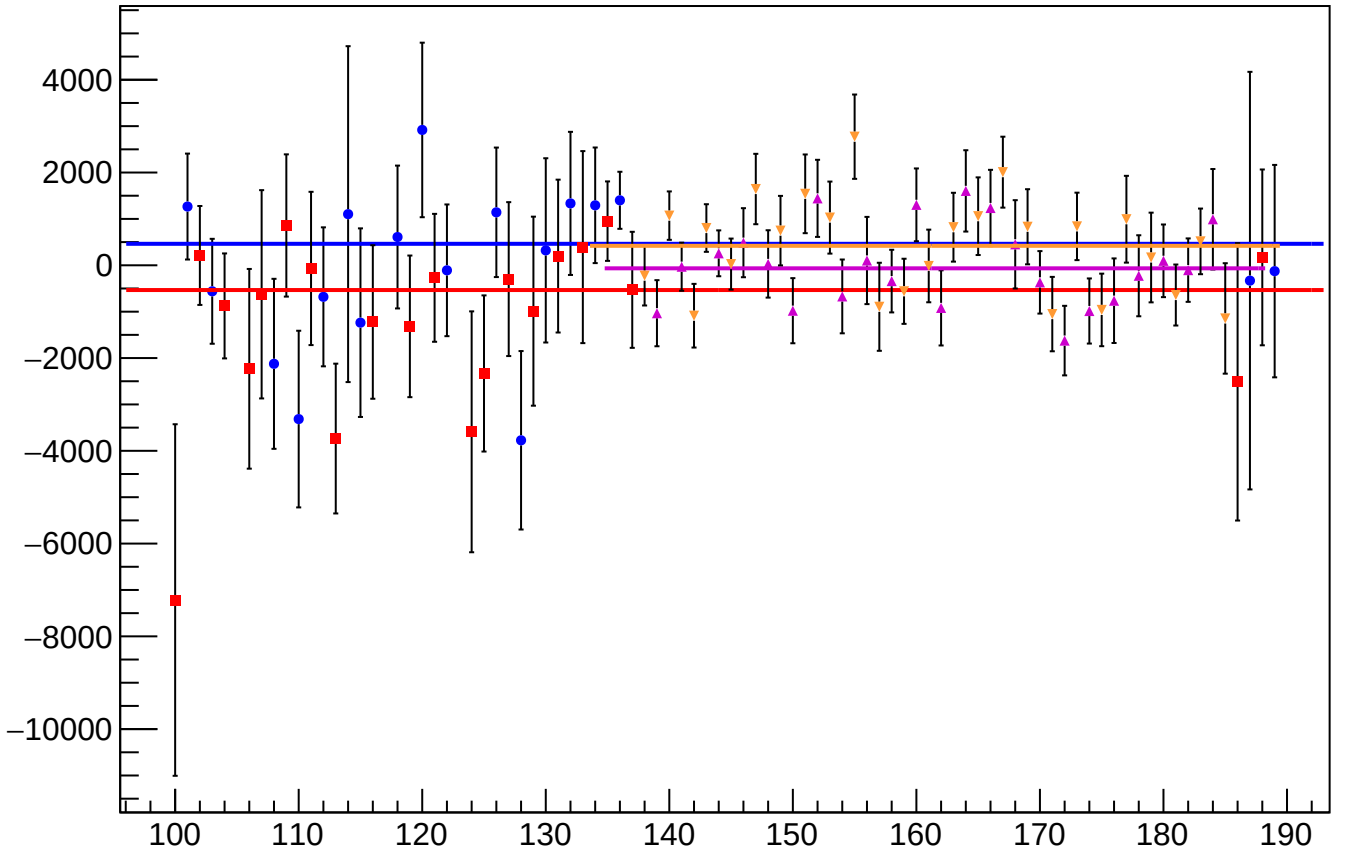
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1366.694+/-0.241 χ^2/NDF: 970909.2/38

In: 1334.361+/-0.185 χ^2/NDF:772502.0/40

Out: 1336.332+/-0.179 χ^2/NDF:228862.0/45

All: 1335.382+/-0.129 χ^2/NDF: 1001422.6/86



Right In: 463.244+/-332.038 χ^2/NDF: 18.7/17

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -533.597+/-338.287 χ^2/NDF: 16.2/20

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

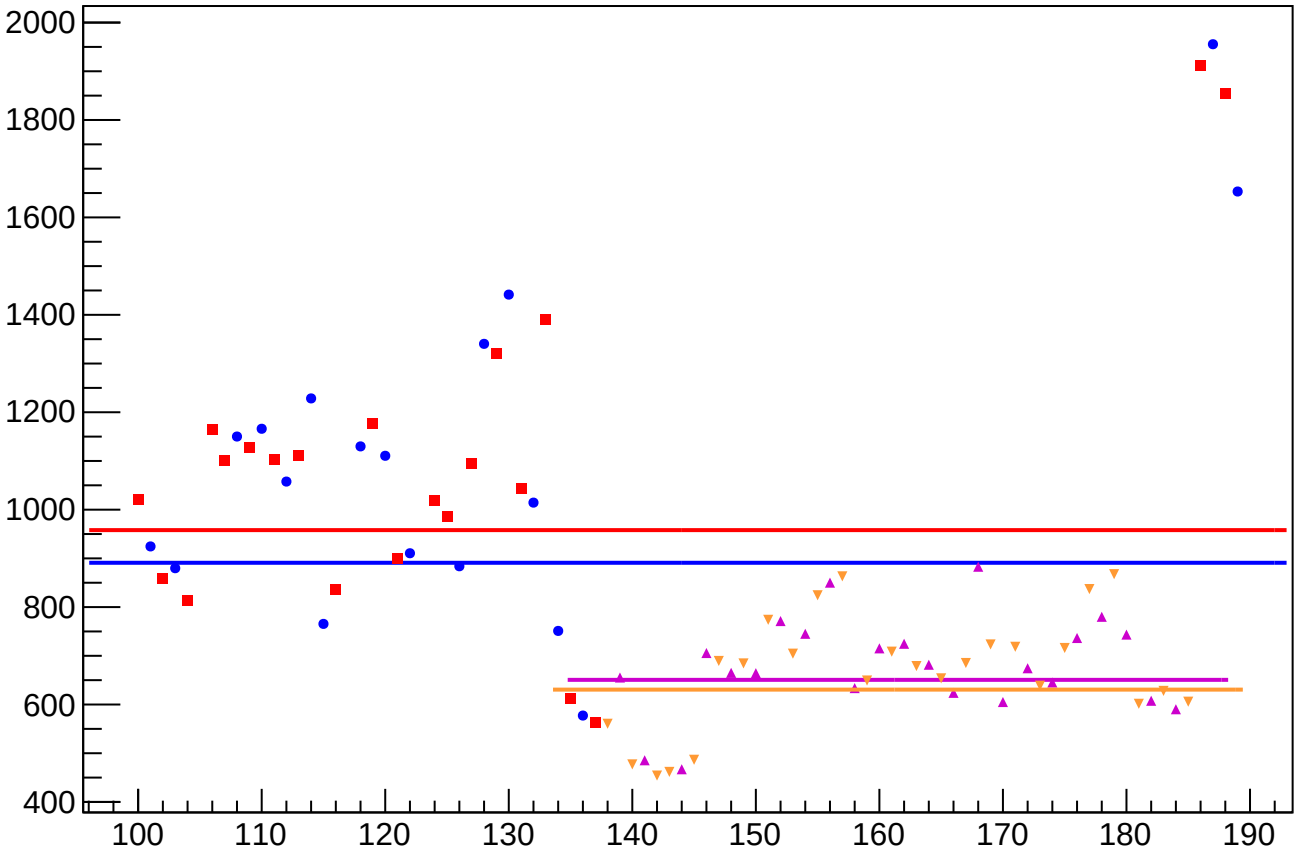
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -25.883+/-236.965 χ^2/NDF: 39.3/38

In: 28.407+/-139.873 χ^2/NDF:47.8/40

Out: 269.428+/-134.386 χ^2/NDF:64.4/45

All: 153.737+/-96.907 χ^2/NDF: 113.8/86



Right In: 890.981+/-0.235 χ^2/NDF: 1363615.6/17

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 958.022+/-0.239 χ^2/NDF: 1539802.9/20

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

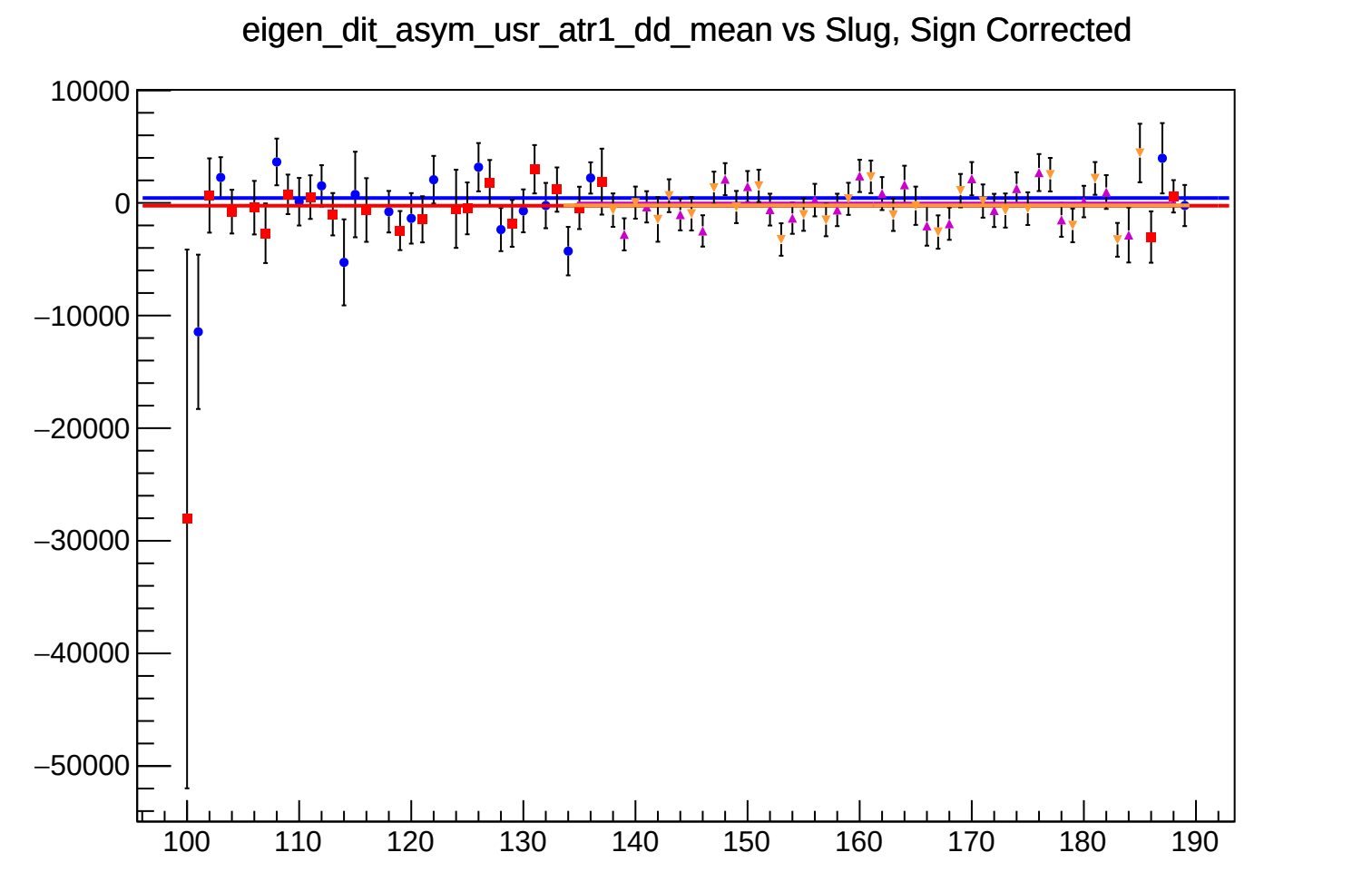
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 923.876+/-0.168 χ^2/NDF: 2943425.2/38

In: 693.287+/-0.099 χ^2/NDF:3147642.7/40

Out: 682.263+/-0.095 χ^2/NDF:4446391.3/45

All: 687.555+/-0.069 χ^2/NDF: 7600494.0/86



Right In: 434.115+/-494.854 χ^2/NDF: 22.8/17

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -251.426+/-468.723 χ^2/NDF: 11.8/20

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

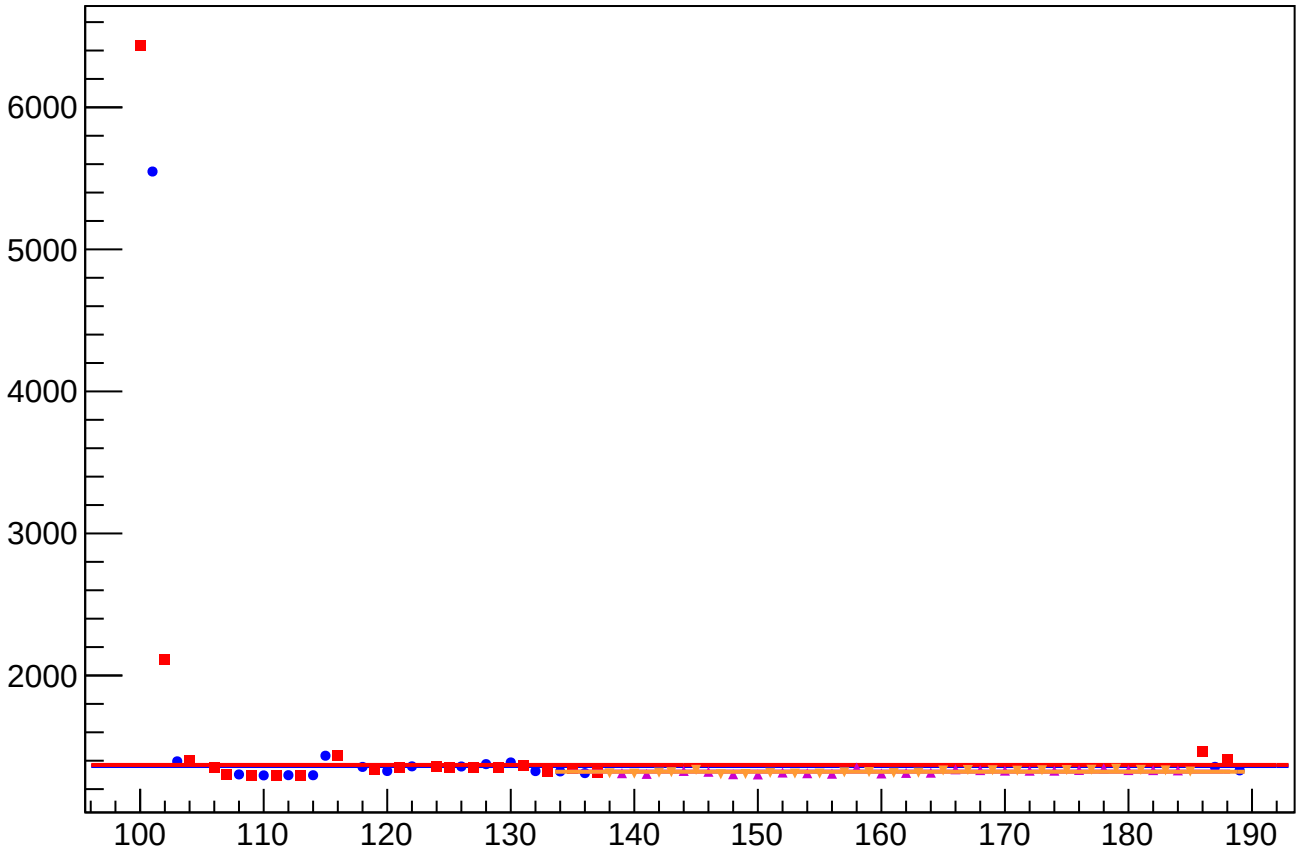
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 72.767+/-340.300 χ^2/NDF: 35.6/38

In: 85.624+/-262.091 χ^2/NDF:51.3/40

Out: -225.629+/-252.904 χ^2/NDF:43.1/45

All: -75.553+/-181.991 χ^2/NDF: 95.1/86



Right In: 1362.637+/-0.350 χ^2/NDF: 759569.8/17

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1370.333+/-0.331 χ^2/NDF: 211084.4/20

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

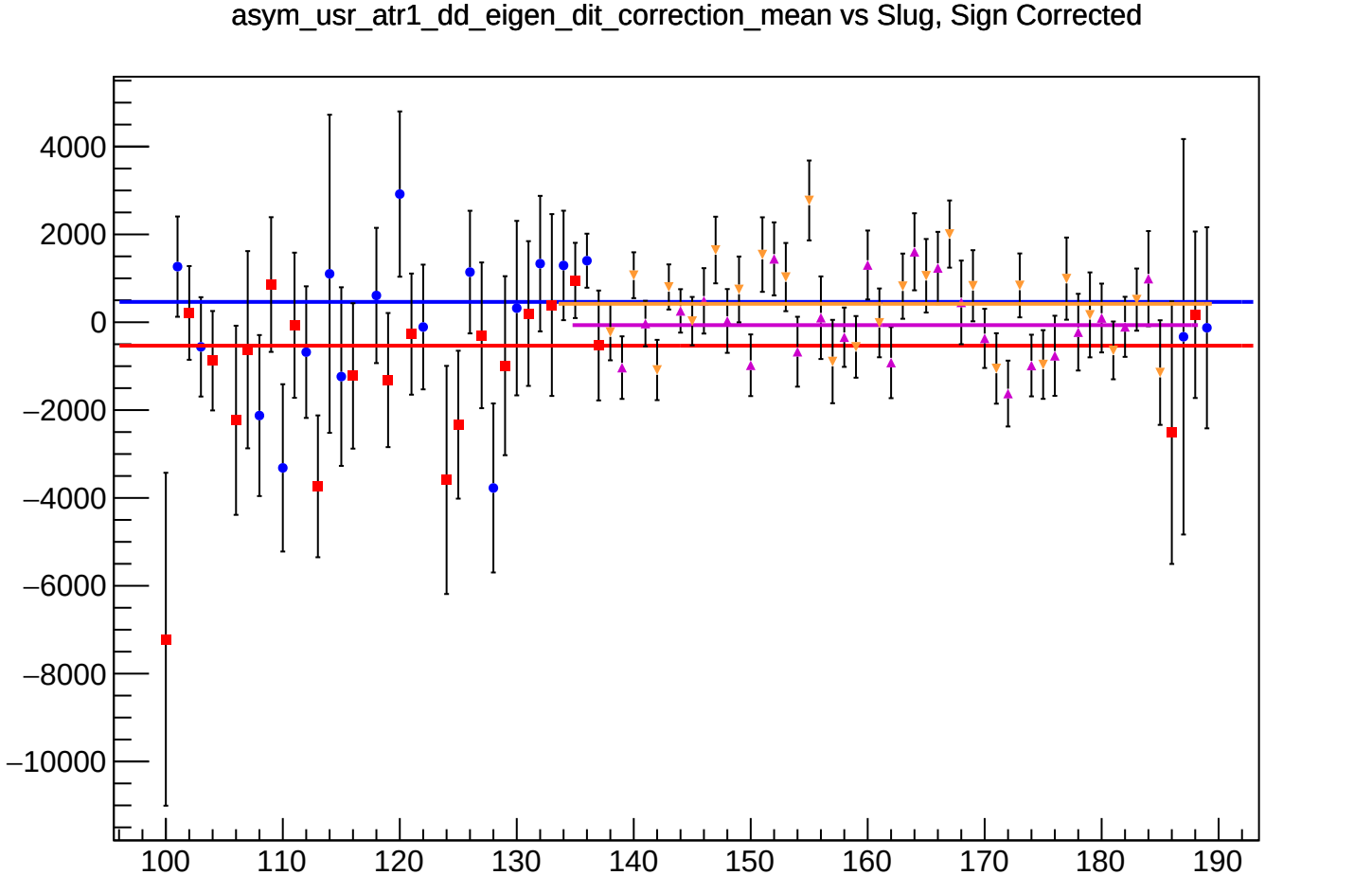
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1366.694+/-0.241 χ^2/NDF: 970909.1/38

In: 1334.361+/-0.185 χ^2/NDF:772502.0/40

Out: 1336.332+/-0.179 χ^2/NDF:228862.0/45

All: 1335.382+/-0.129 χ^2/NDF: 1001422.5/86



Right In: 463.242+/-332.037 χ^2/NDF: 18.7/17

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -533.596+/-338.286 χ^2/NDF: 16.2/20

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

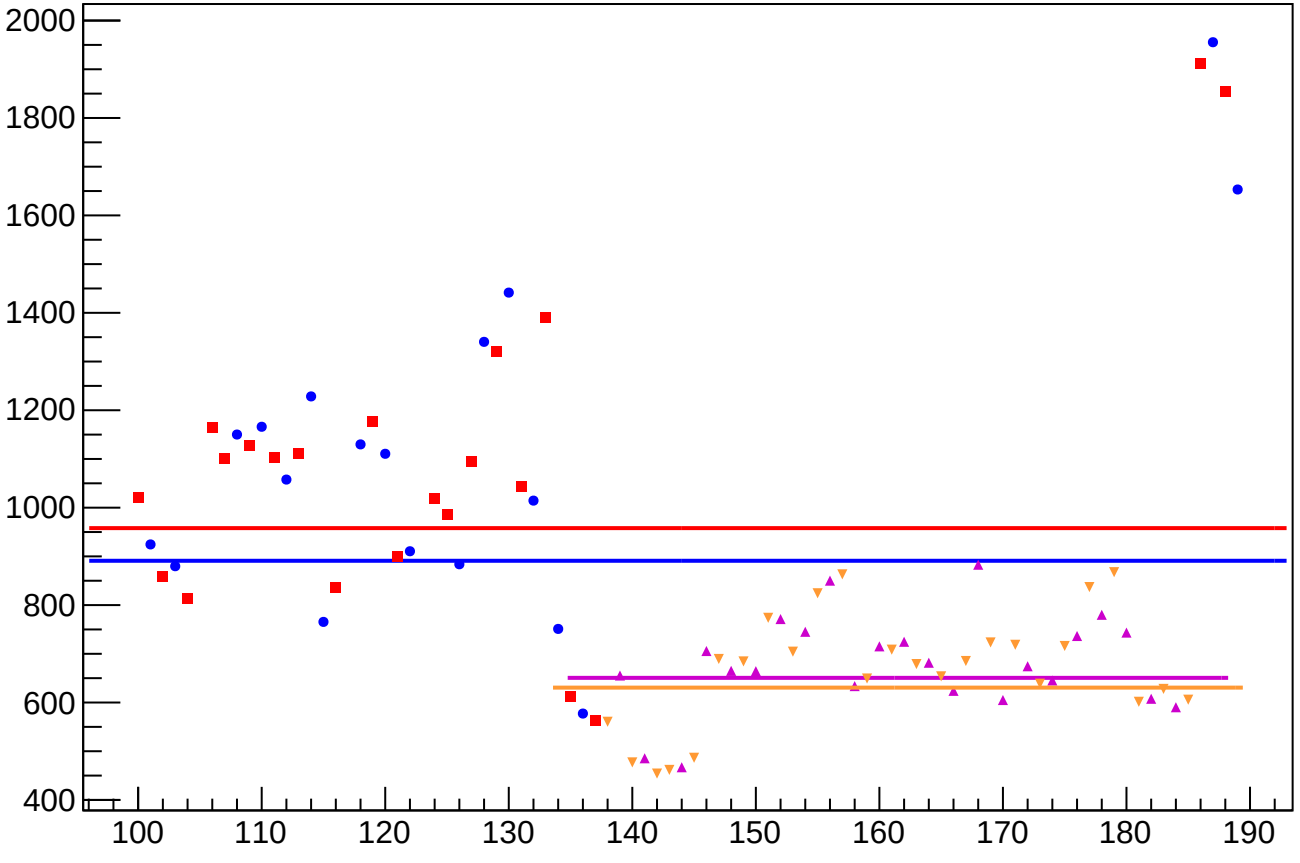
Right: -25.884+/-236.964 χ^2/NDF: 39.3/38

In: 28.407+/-139.873 χ^2/NDF:47.8/40

Out: 269.427+/-134.386 χ^2/NDF:64.4/45

All: 153.737+/-96.907 χ^2/NDF: 113.8/86

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 890.978+/-0.235 χ^2/NDF: 1363615.4/17

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 958.020+/-0.239 χ^2/NDF: 1539802.1/20

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

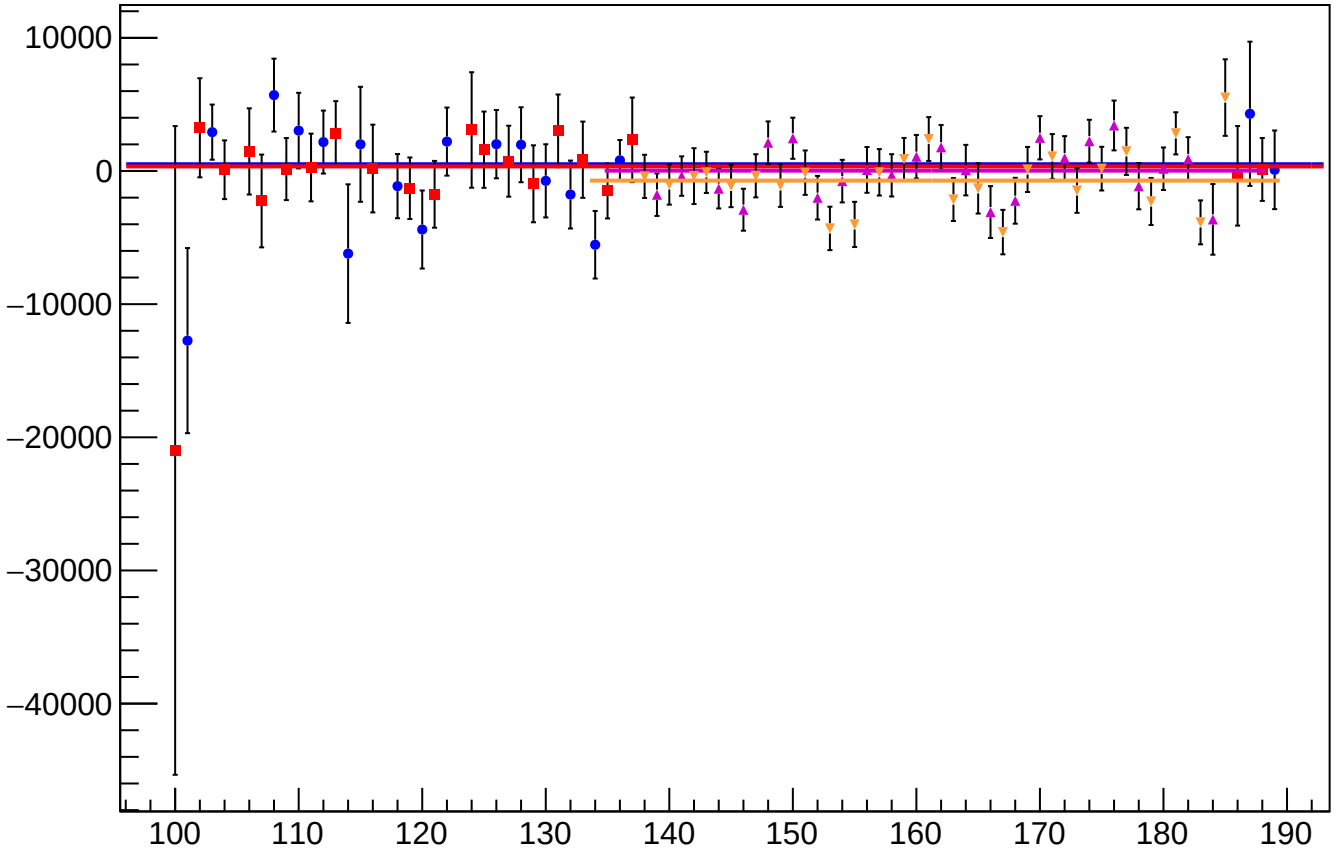
Right: 923.874+/-0.168 χ^2/NDF: 2943425.1/38

In: 693.288+/-0.099 χ^2/NDF:3147630.0/40

Out: 682.264+/-0.095 χ^2/NDF:4446391.4/45

All: 687.555+/-0.069 χ^2/NDF: 7600481.7/86

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 507.708+/-629.804 χ^2/NDF: 23.2/17

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 346.855+/-611.149 χ^2/NDF: 7.3/20

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

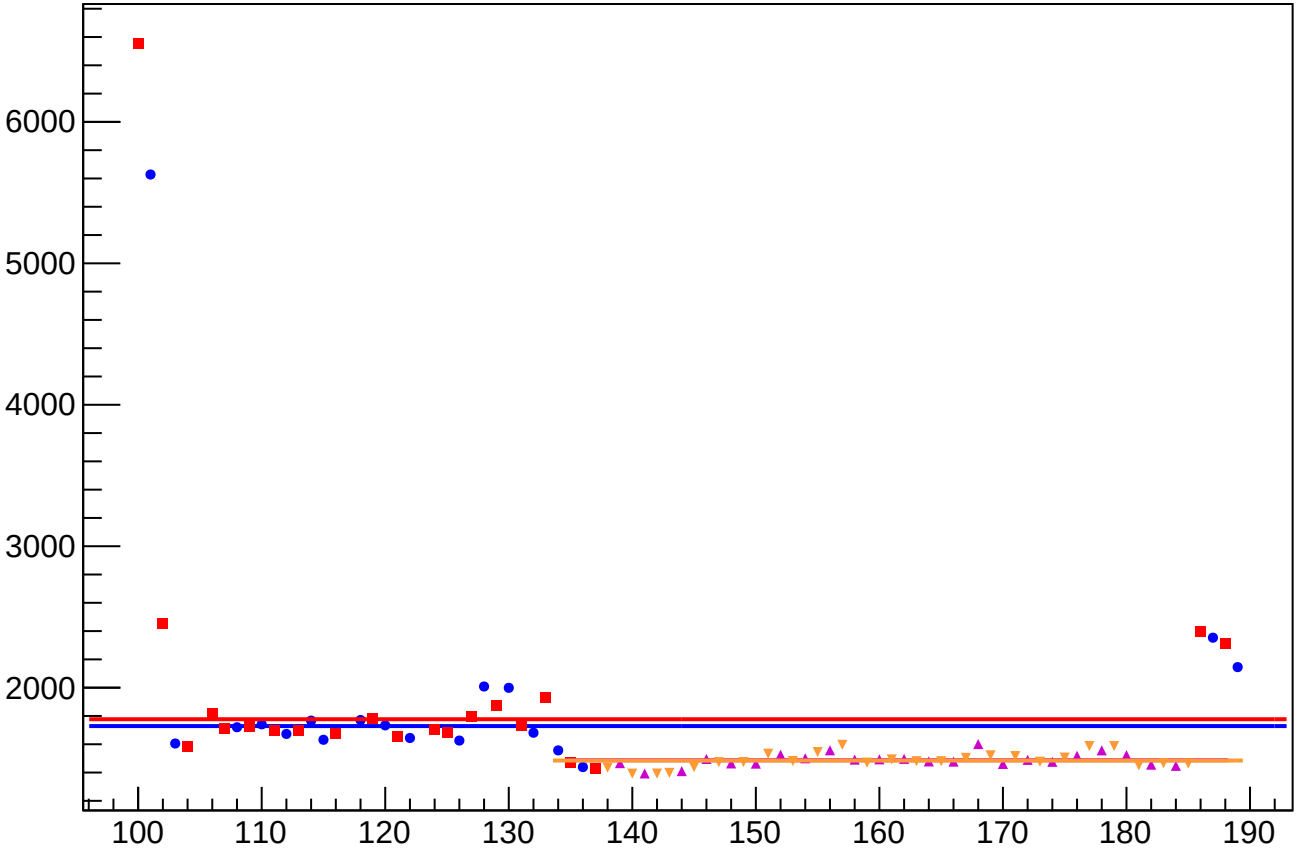
Right: 424.864+/-438.594 χ^2/NDF: 30.5/38

In: 139.543+/-304.202 χ^2/NDF:51.6/40

Out: -469.282+/-295.495 χ^2/NDF:47.4/45

All: -173.707+/-211.958 χ^2/NDF: 101.1/86

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1728.452+/-0.445 χ^2/NDF: 832595.9/17

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1776.976+/-0.432 χ^2/NDF: 407865.4/20

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

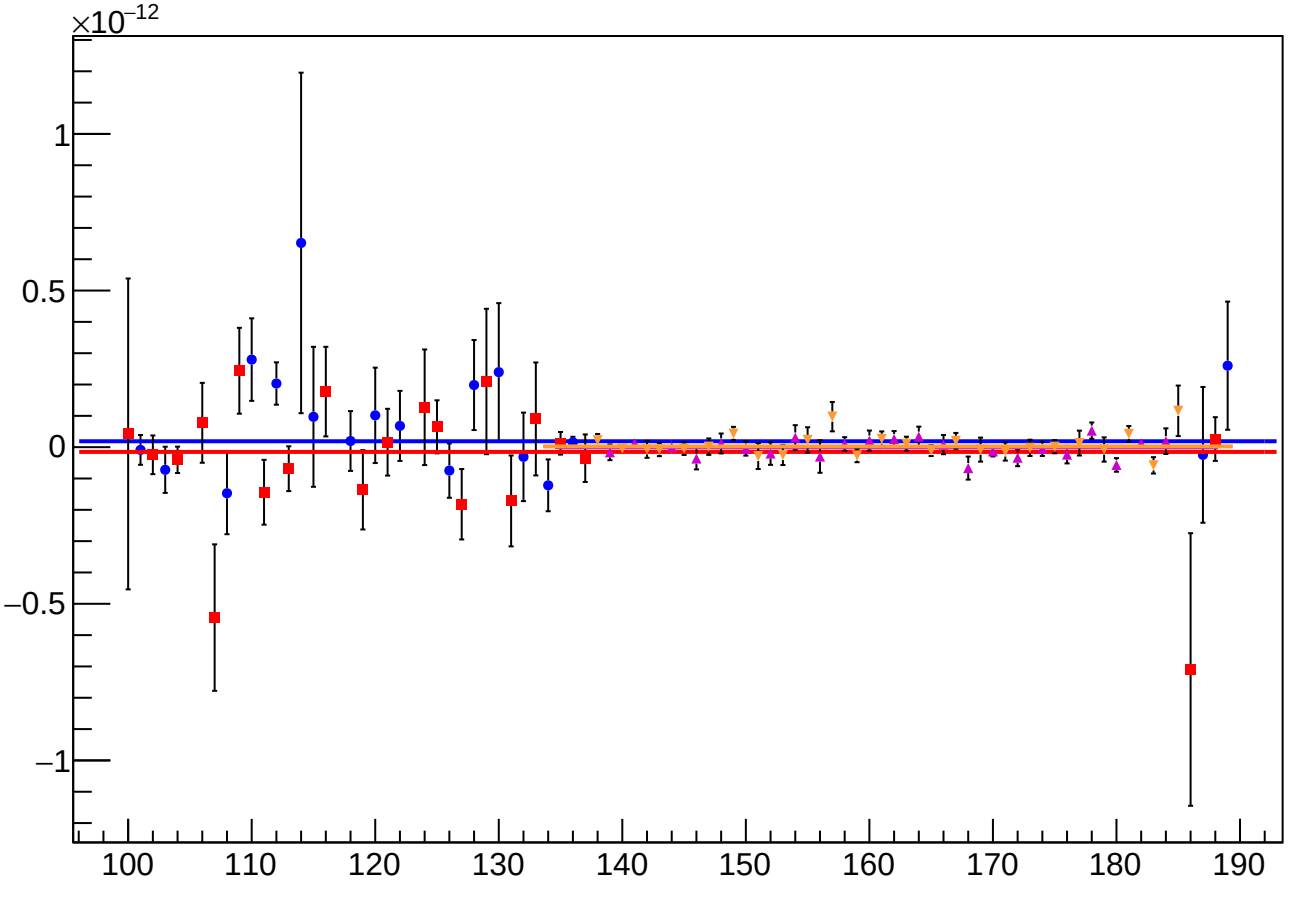
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1753.443+/-0.310 χ^2/NDF: 1246576.0/38

In: 1543.416+/-0.215 χ^2/NDF:1092578.8/40

Out: 1553.228+/-0.209 χ^2/NDF:808638.3/45

All: 1548.465+/-0.150 χ^2/NDF: 1902287.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/20

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

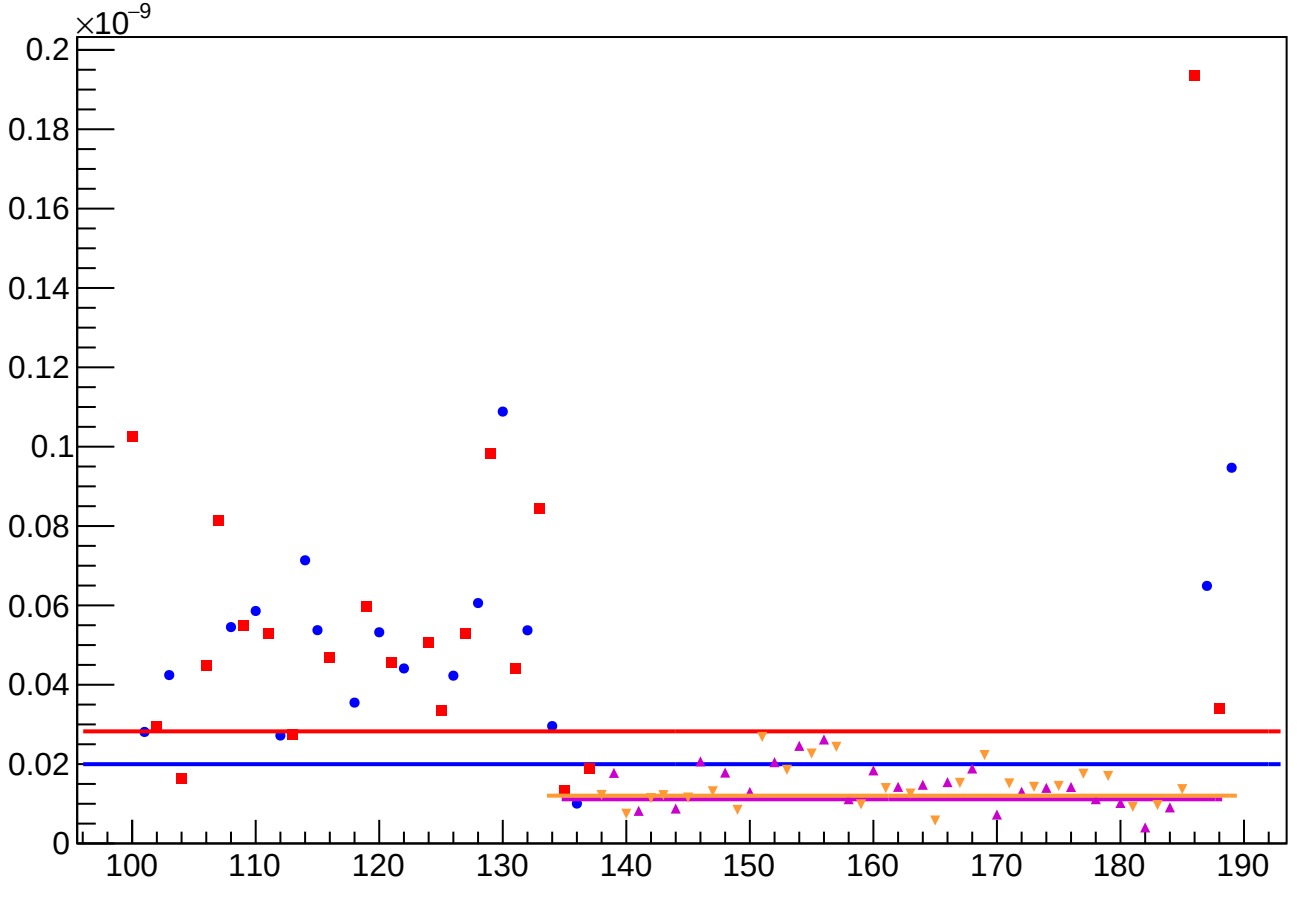
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 51.4/38

In: 0.000+/-0.000 χ^2/NDF:51.5/40

Out: 0.000+/-0.000 χ^2/NDF:50.5/45

All: 0.000+/-0.000 χ^2/NDF: 102.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 2630155.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1954946.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

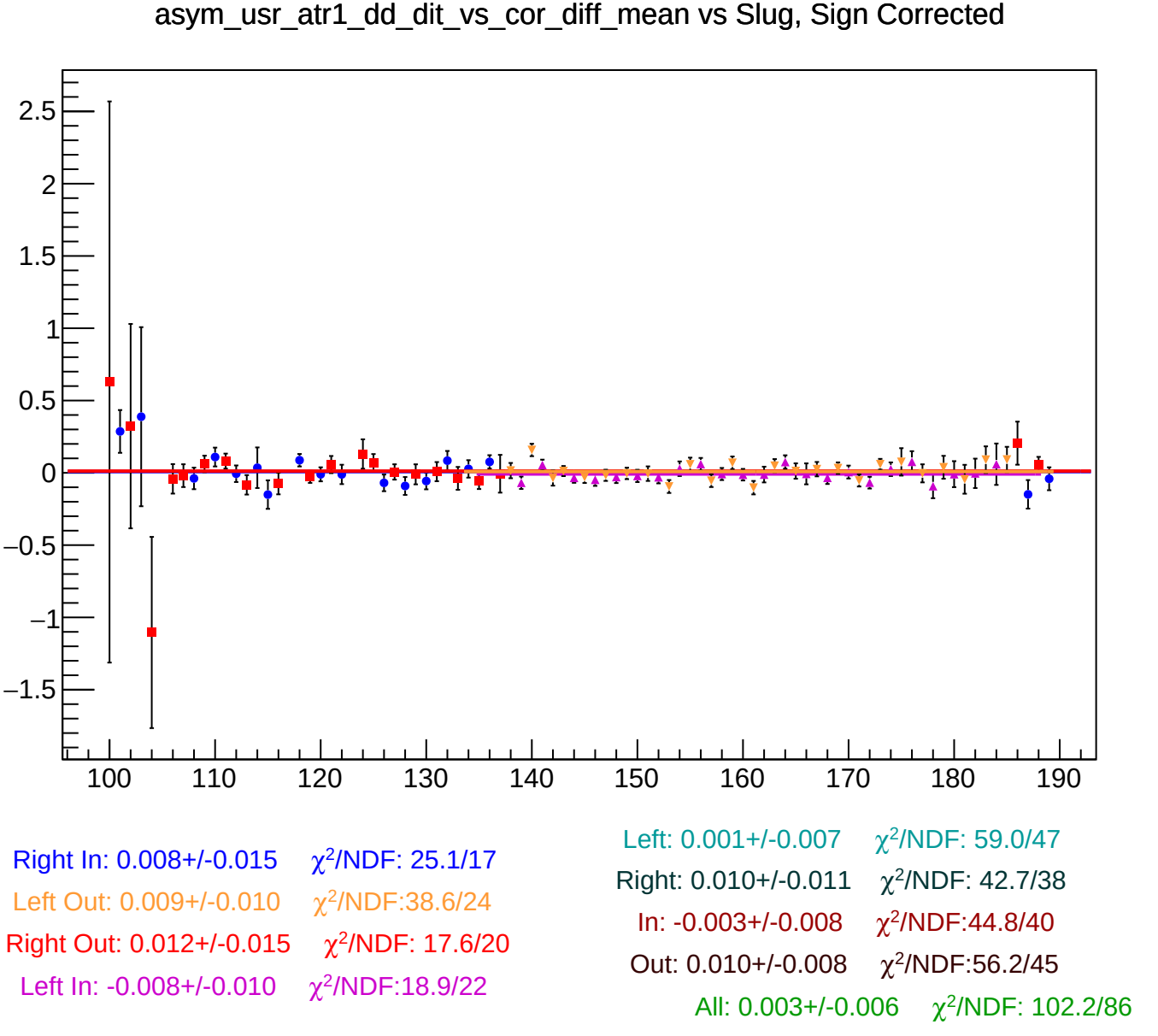
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 4836665.3/38

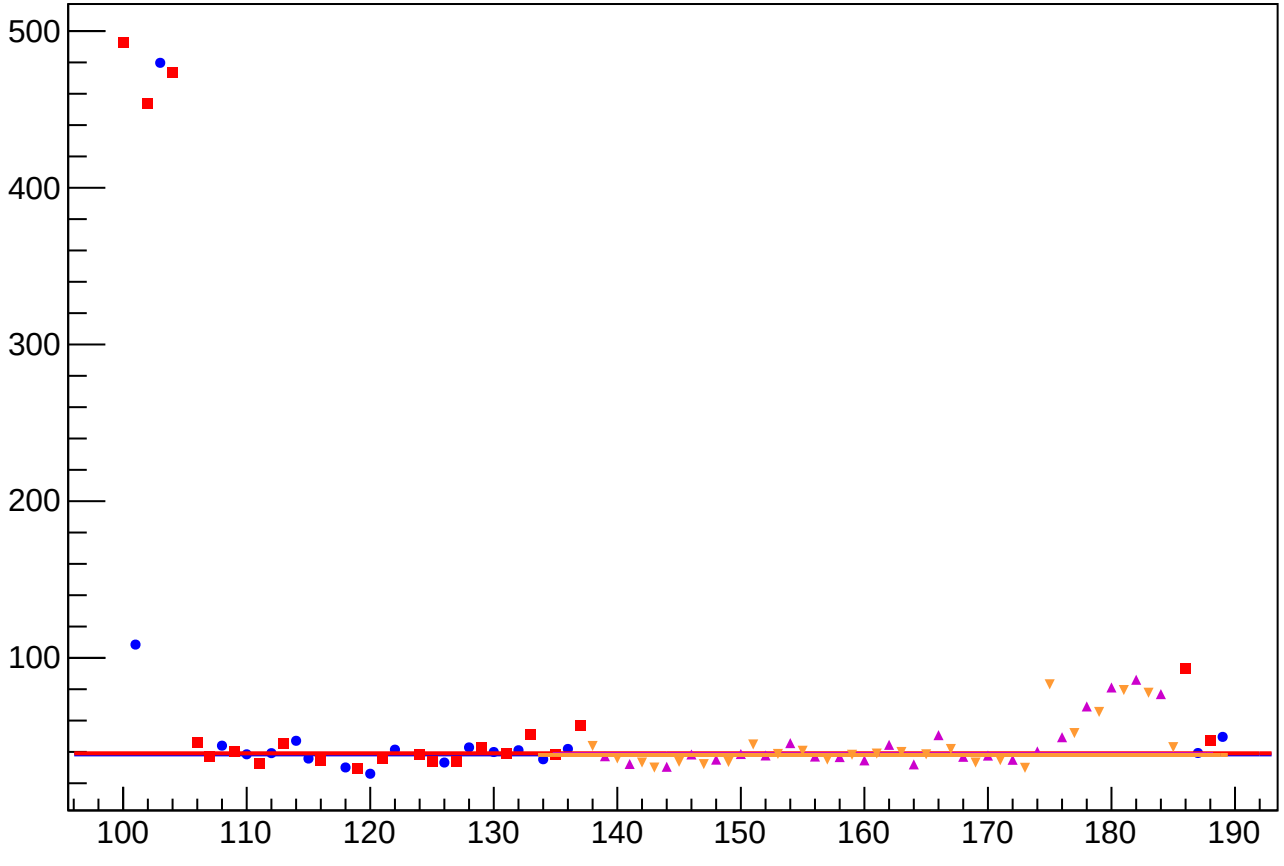
In: 0.000+/-0.000 χ^2/NDF:5527083.7/40

Out: 0.000+/-0.000 χ^2/NDF:4918919.8/45

All: 0.000+/-0.000 χ^2/NDF: 10501485.5/86


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
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.015 χ²/NDF: 25.1/17
Left Out: 0.009+/-0.010 χ²/NDF:38.6/24
Right Out: 0.012+/-0.015 χ²/NDF: 17.6/20
Left In: -0.008+/-0.010 χ²/NDF:18.9/22
Left: 0.001+/-0.007 χ²/NDF: 59.0/47
Right: 0.010+/-0.011 χ²/NDF: 42.7/38
In: -0.003+/-0.008 χ²/NDF:44.8/40
Out: 0.010+/-0.008 χ²/NDF:56.2/45
All: 0.003+/-0.006 χ²/NDF: 102.2/86

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.417+/-0.011 χ^2/NDF: 1781353.5/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.124+/-0.011 χ^2/NDF: 2276858.8/20

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

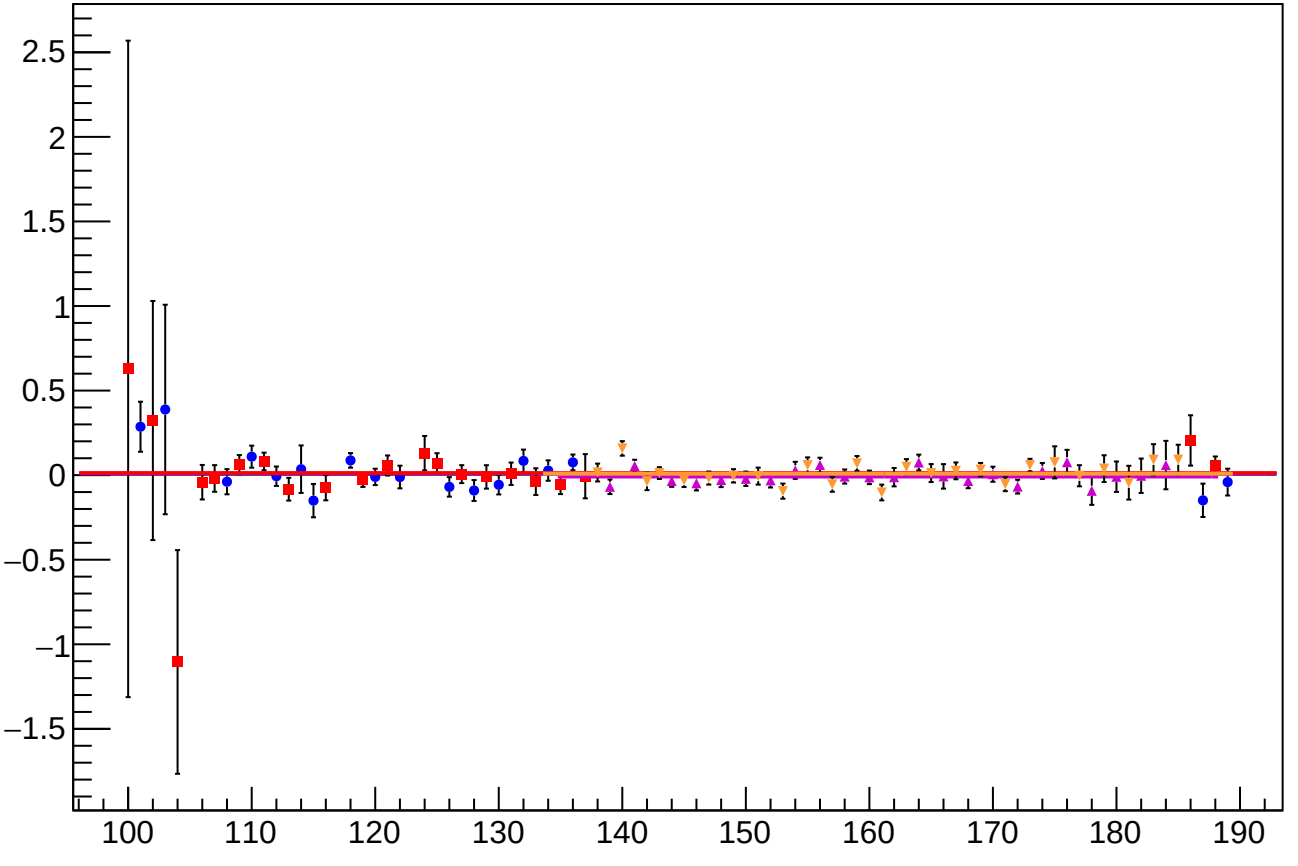
Right: 38.775+/-0.008 χ^2/NDF: 4060339.9/38

In: 38.567+/-0.006 χ^2/NDF:3509288.6/40

Out: 38.366+/-0.006 χ^2/NDF:4250873.5/45

All: 38.464+/-0.004 χ^2/NDF: 7760760.8/86

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

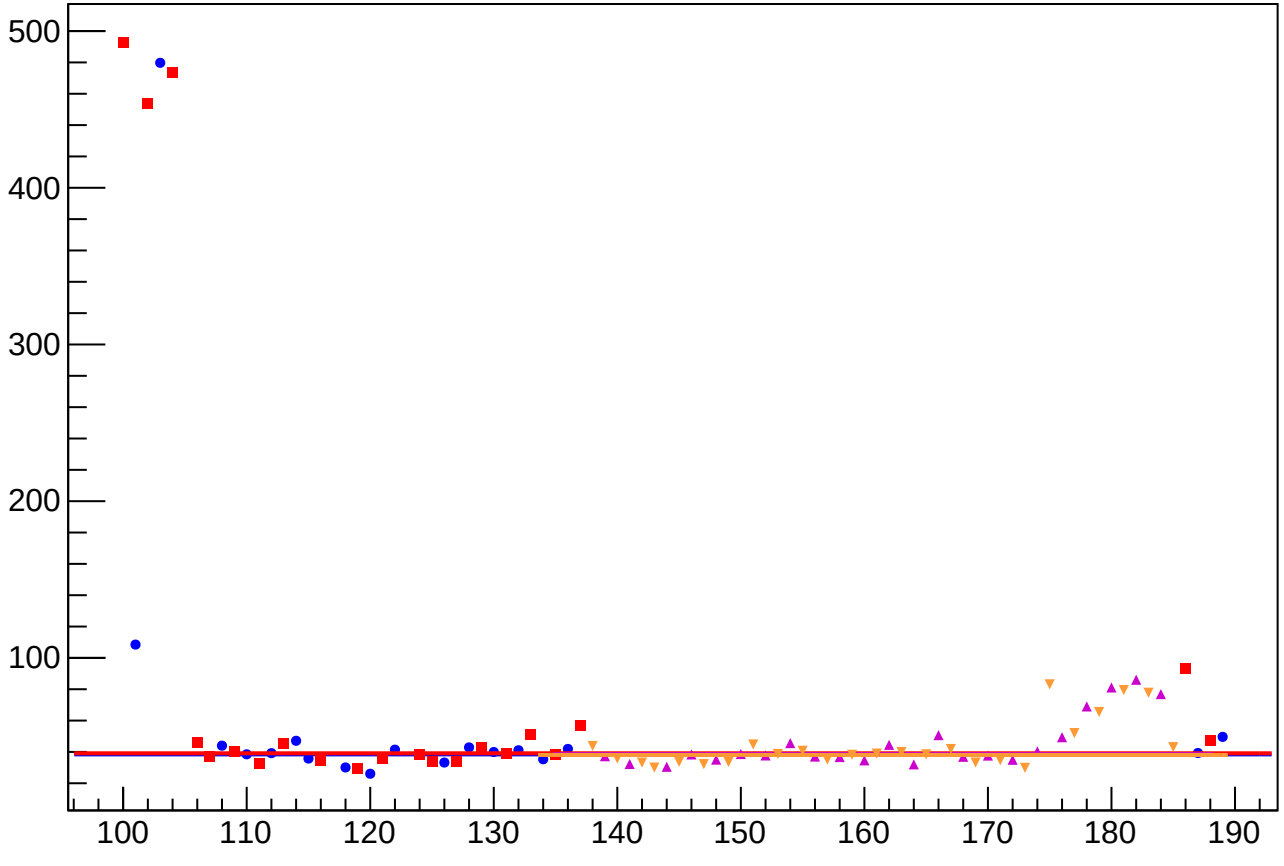
Right: 0.010+/-0.011 χ^2/NDF: 42.7/38

In: -0.003+/-0.008 χ^2/NDF:44.8/40

Out: 0.010+/-0.008 χ^2/NDF:56.2/45

All: 0.003+/-0.006 χ^2/NDF: 102.2/86

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.417+/-0.011 χ^2/NDF: 1781353.5/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.124+/-0.011 χ^2/NDF: 2276858.8/20

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

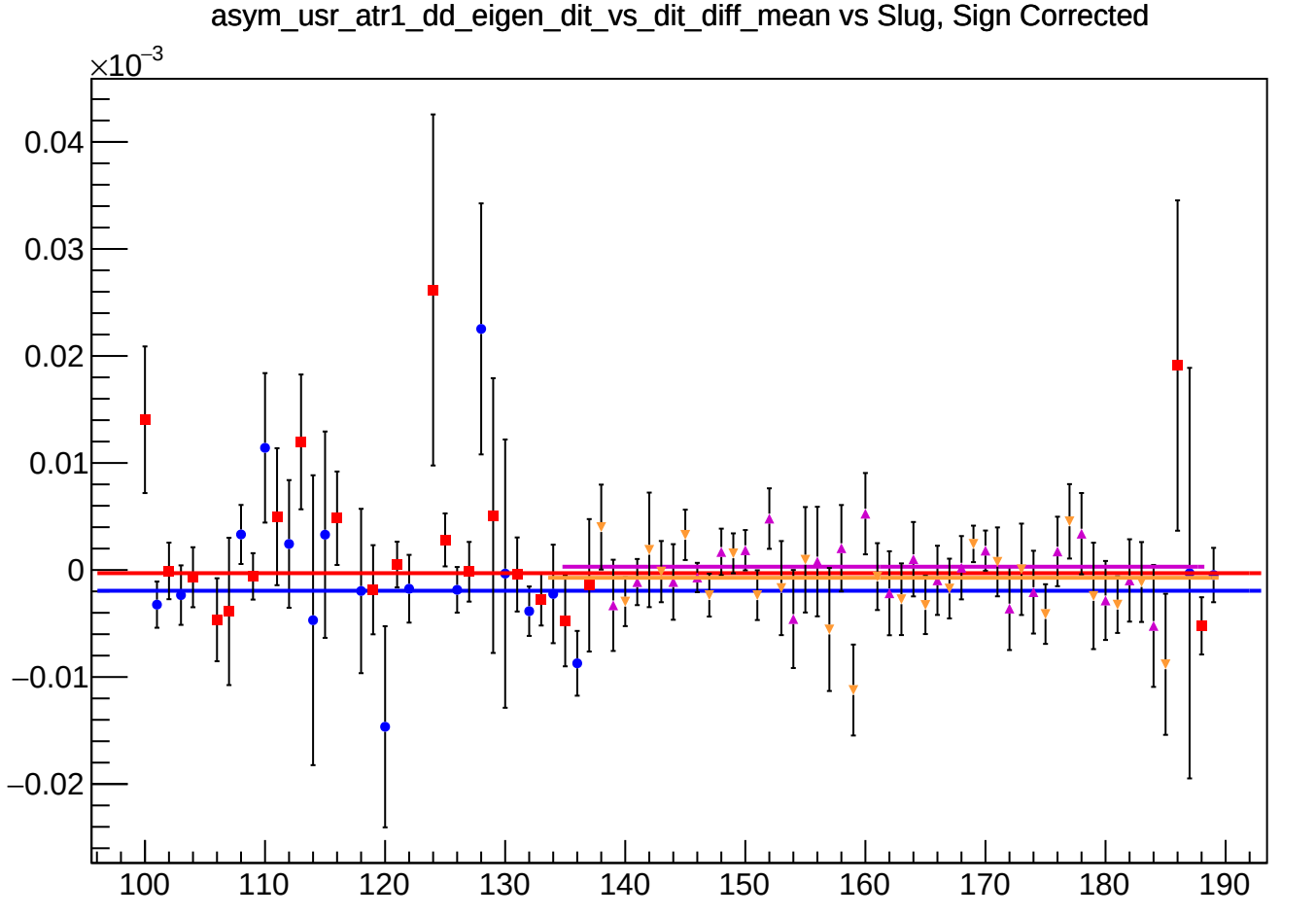
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.775+/-0.008 χ^2/NDF: 4060339.9/38

In: 38.567+/-0.006 χ^2/NDF:3509288.6/40

Out: 38.366+/-0.006 χ^2/NDF:4250873.5/45

All: 38.464+/-0.004 χ^2/NDF: 7760760.8/86



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/20

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

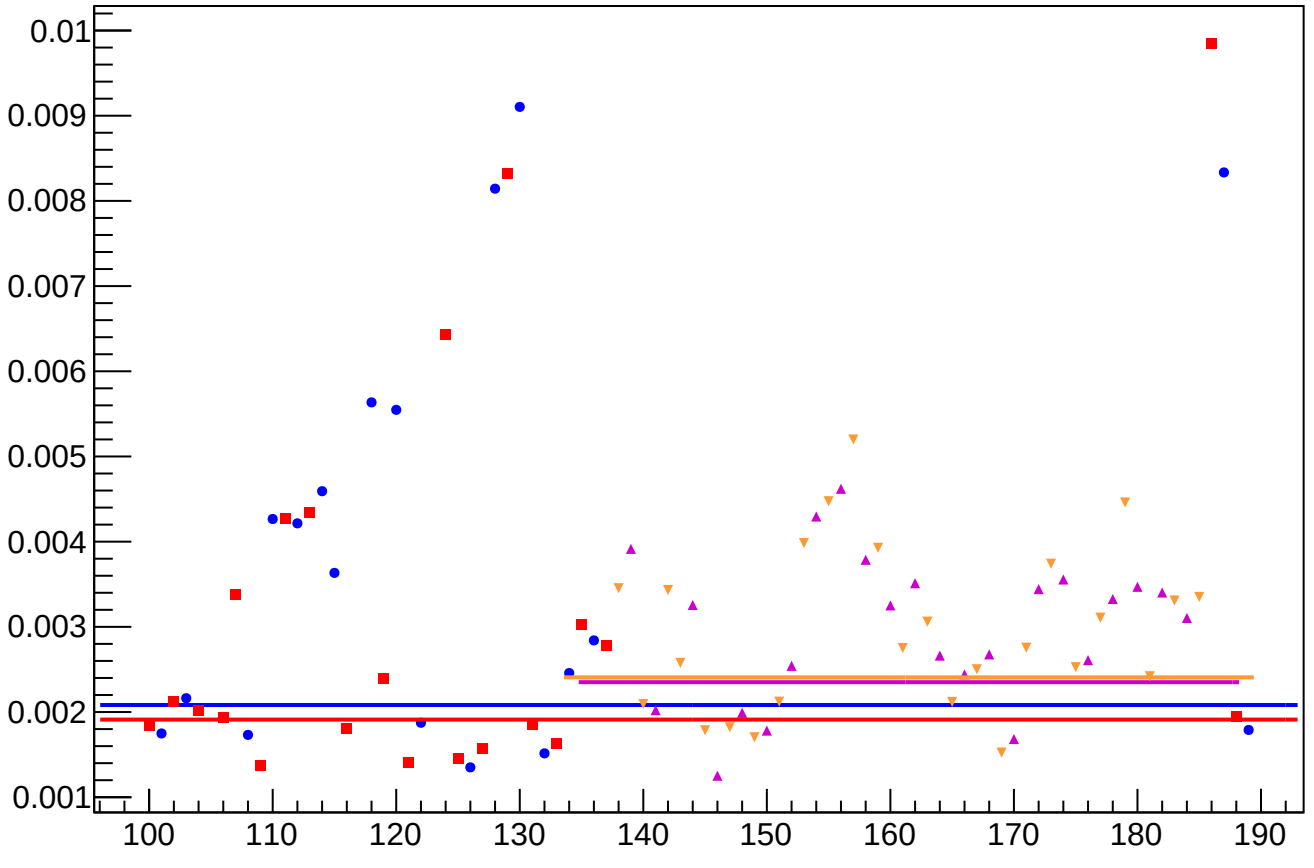
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/38

In: -0.000+/-0.000 χ^2/NDF:39.3/40

Out: -0.000+/-0.000 χ^2/NDF:50.3/45

All: -0.000+/-0.000 χ^2/NDF: 89.7/86



Right In: 0.002+/-0.000 χ^2/NDF: 3257876.7/17

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2423002.8/20

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

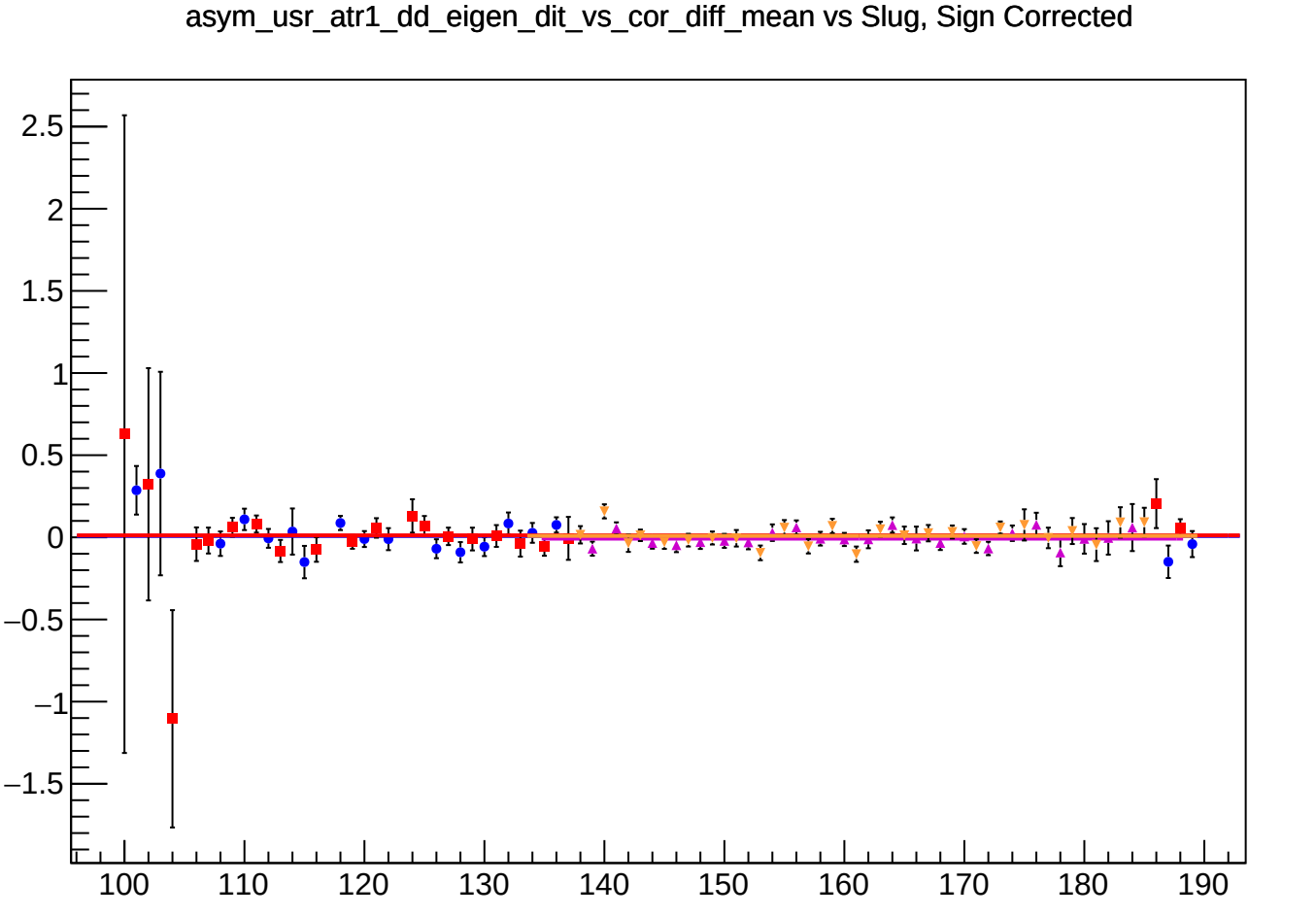
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

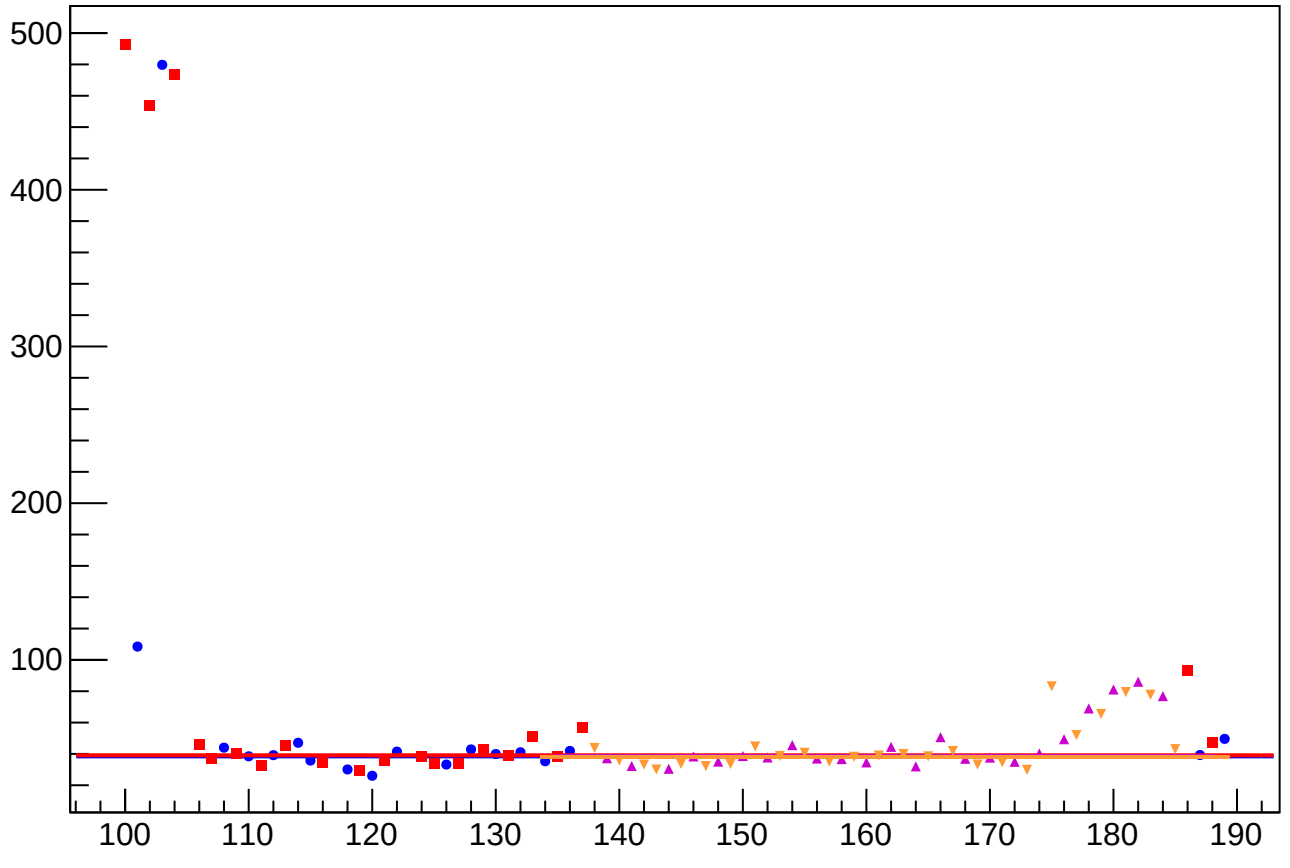
Right: 0.002+/-0.000 χ^2/NDF: 5726449.9/38

In: 0.002+/-0.000 χ^2/NDF:7830749.6/40

Out: 0.002+/-0.000 χ^2/NDF:6644894.6/45

All: 0.002+/-0.000 χ^2/NDF: 14482656.0/86


asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.008+/-0.015 χ²/NDF: 25.1/17
Left Out: 0.009+/-0.010 χ²/NDF:38.6/24
Right Out: 0.012+/-0.015 χ²/NDF: 17.6/20
Left In: -0.008+/-0.010 χ²/NDF:18.9/22
Left: 0.001+/-0.007 χ²/NDF: 59.0/47
Right: 0.010+/-0.011 χ²/NDF: 42.7/38
In: -0.003+/-0.008 χ²/NDF:44.8/40
Out: 0.010+/-0.008 χ²/NDF:56.2/45
All: 0.003+/-0.006 χ²/NDF: 102.2/86



Right In: 38.416+/-0.011 χ^2/NDF: 1781368.0/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.122+/-0.011 χ^2/NDF: 2276944.1/20

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

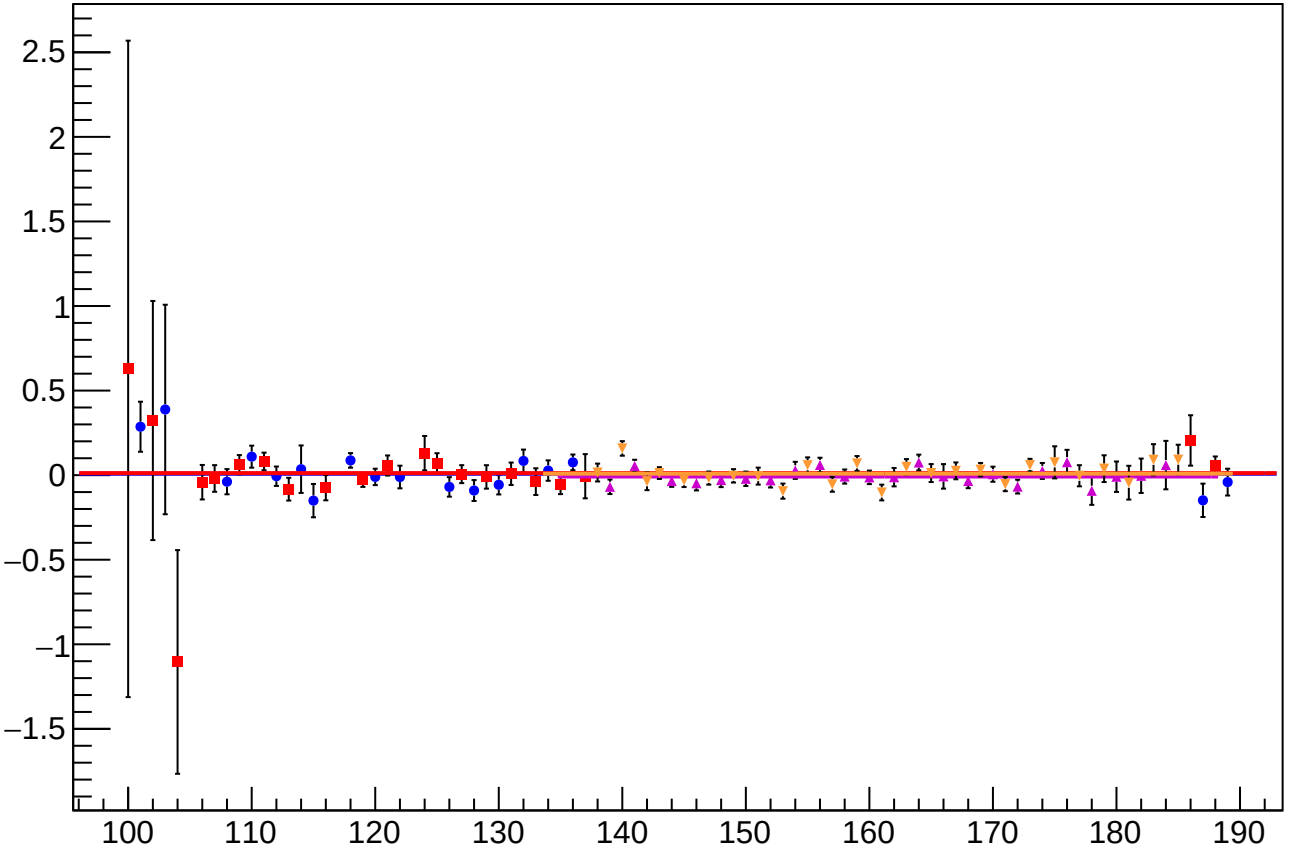
Right: 38.774+/-0.008 χ^2/NDF: 4060435.5/38

In: 38.567+/-0.006 χ^2/NDF:3509338.0/40

Out: 38.366+/-0.006 χ^2/NDF:4250939.7/45

All: 38.464+/-0.004 χ^2/NDF: 7760876.8/86

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.015 χ^2/NDF: 25.1/17

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

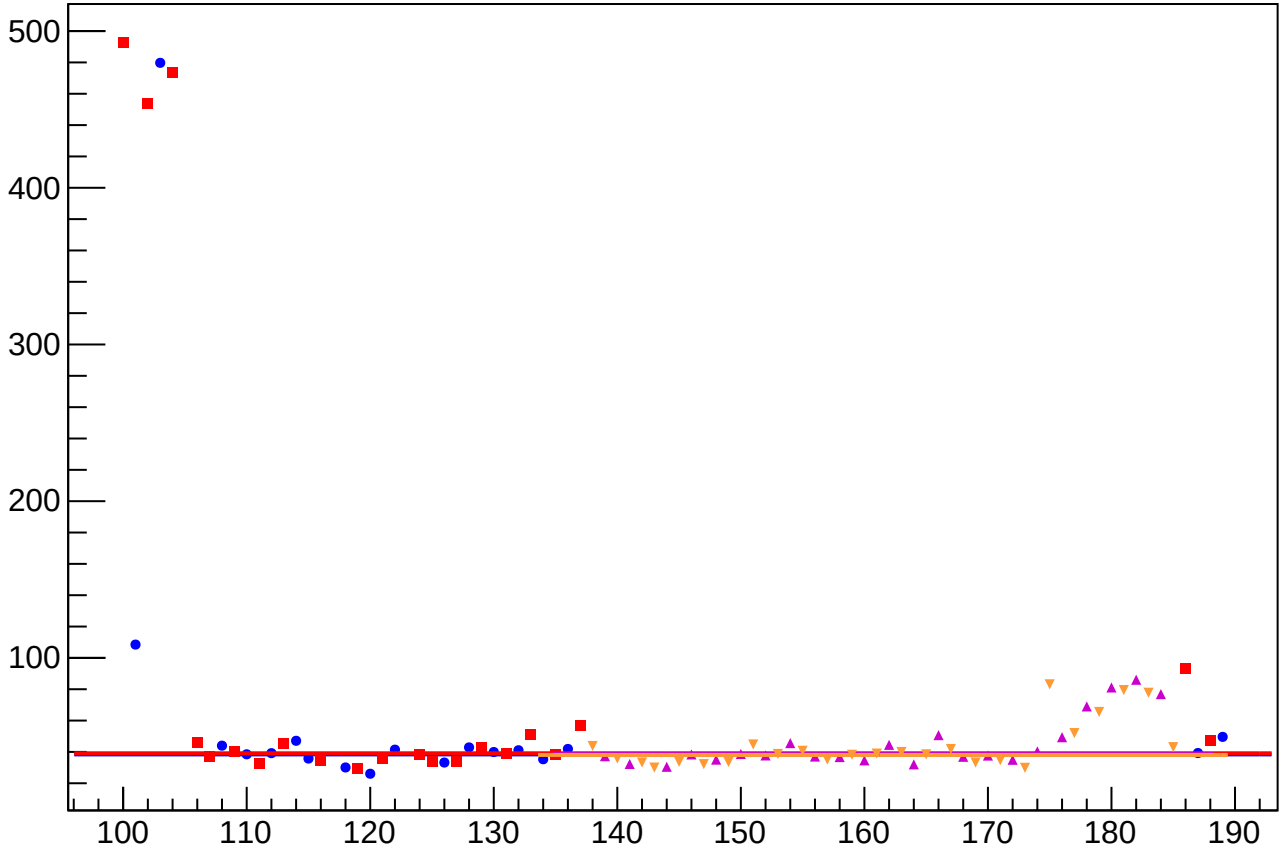
Right: 0.010+/-0.011 χ^2/NDF: 42.7/38

In: -0.003+/-0.008 χ^2/NDF:44.8/40

Out: 0.010+/-0.008 χ^2/NDF:56.2/45

All: 0.003+/-0.006 χ^2/NDF: 102.2/86

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.416+/-0.011 χ^2/NDF: 1781368.0/17

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.122+/-0.011 χ^2/NDF: 2276944.1/20

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

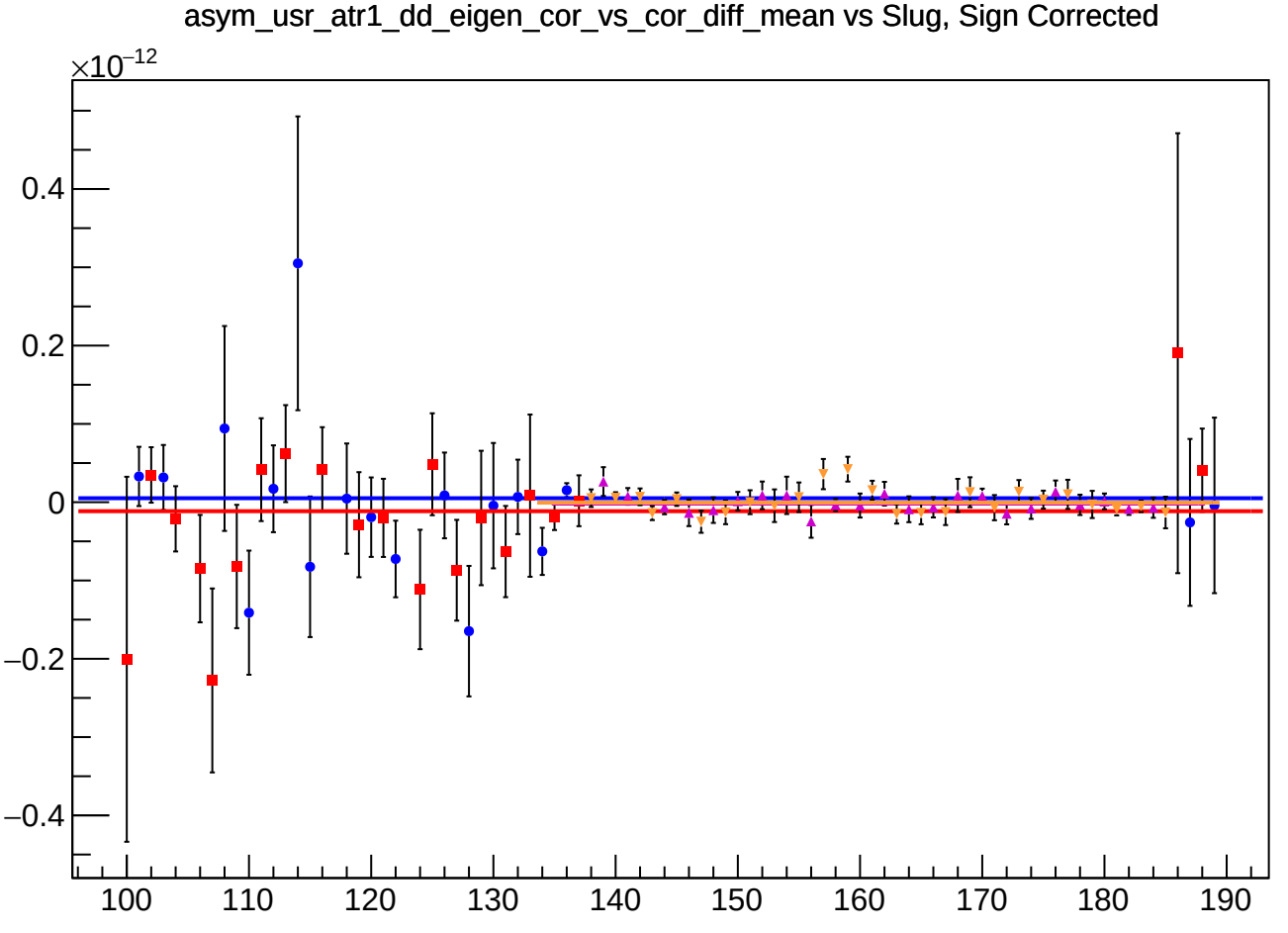
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 38.774+/-0.008 χ^2/NDF: 4060435.5/38

In: 38.567+/-0.006 χ^2/NDF:3509338.0/40

Out: 38.366+/-0.006 χ^2/NDF:4250939.7/45

All: 38.464+/-0.004 χ^2/NDF: 7760876.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/20

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

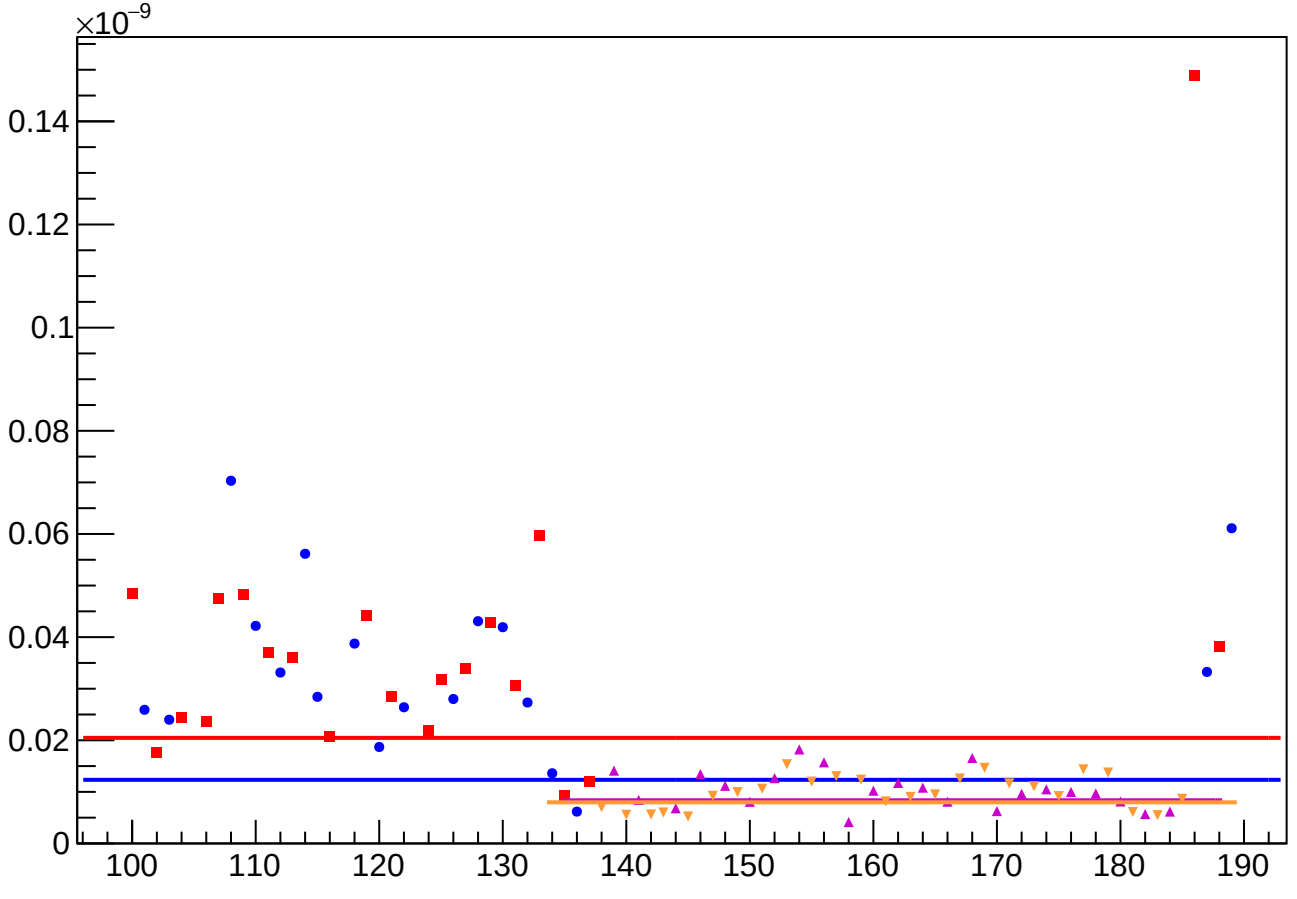
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 40.9/38

In: -0.000+/-0.000 χ^2/NDF:34.1/40

Out: -0.000+/-0.000 χ^2/NDF:45.5/45

All: -0.000+/-0.000 χ^2/NDF: 79.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 4328556.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3272448.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

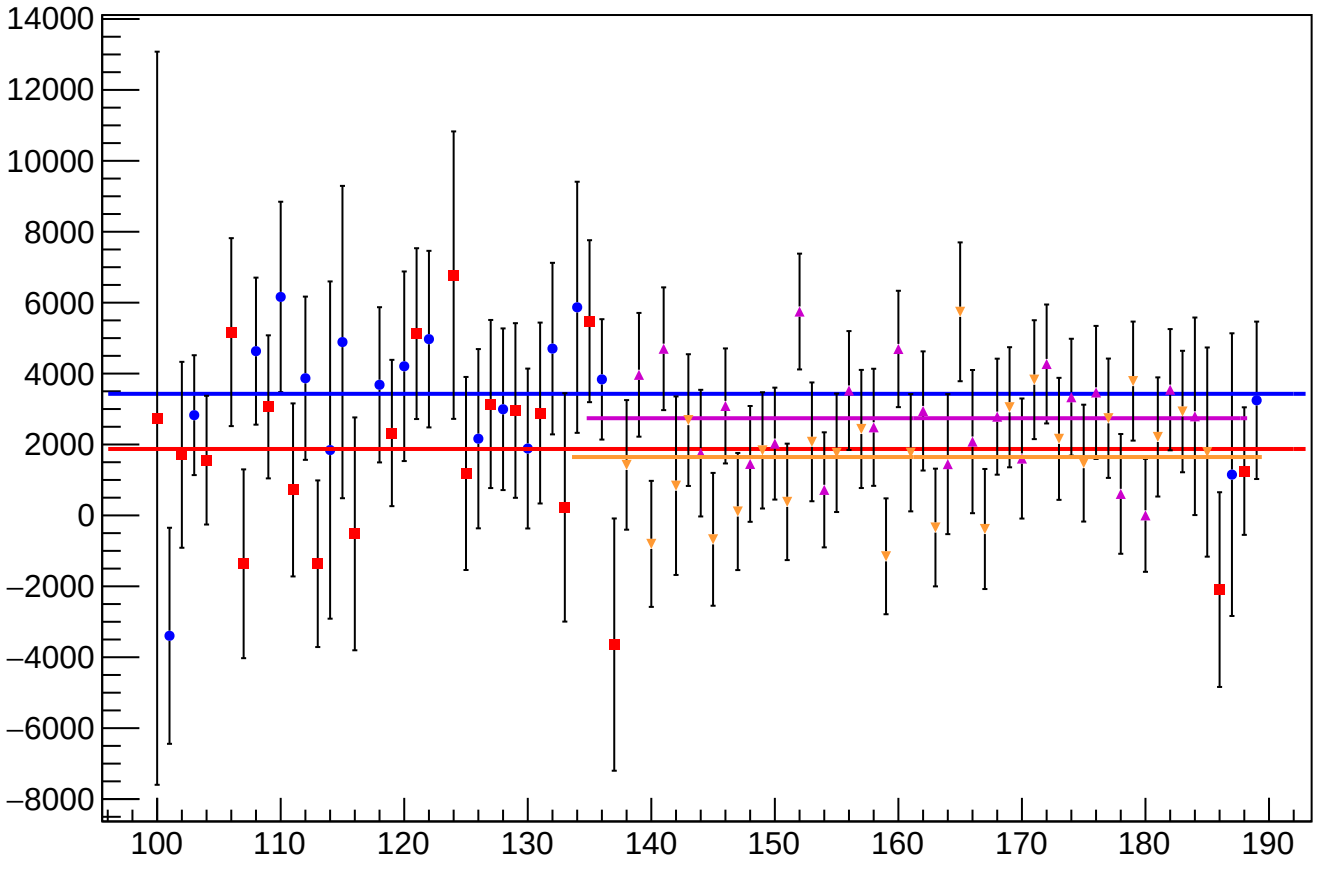
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8408685.3/38

In: 0.000+/-0.000 χ^2/NDF:7612126.0/40

Out: 0.000+/-0.000 χ^2/NDF:8867136.2/45

All: 0.000+/-0.000 χ^2/NDF: 16484171.5/86



Right In: 3429.109+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1873.553+/-547.358 χ^2/NDF: 17.5/20

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

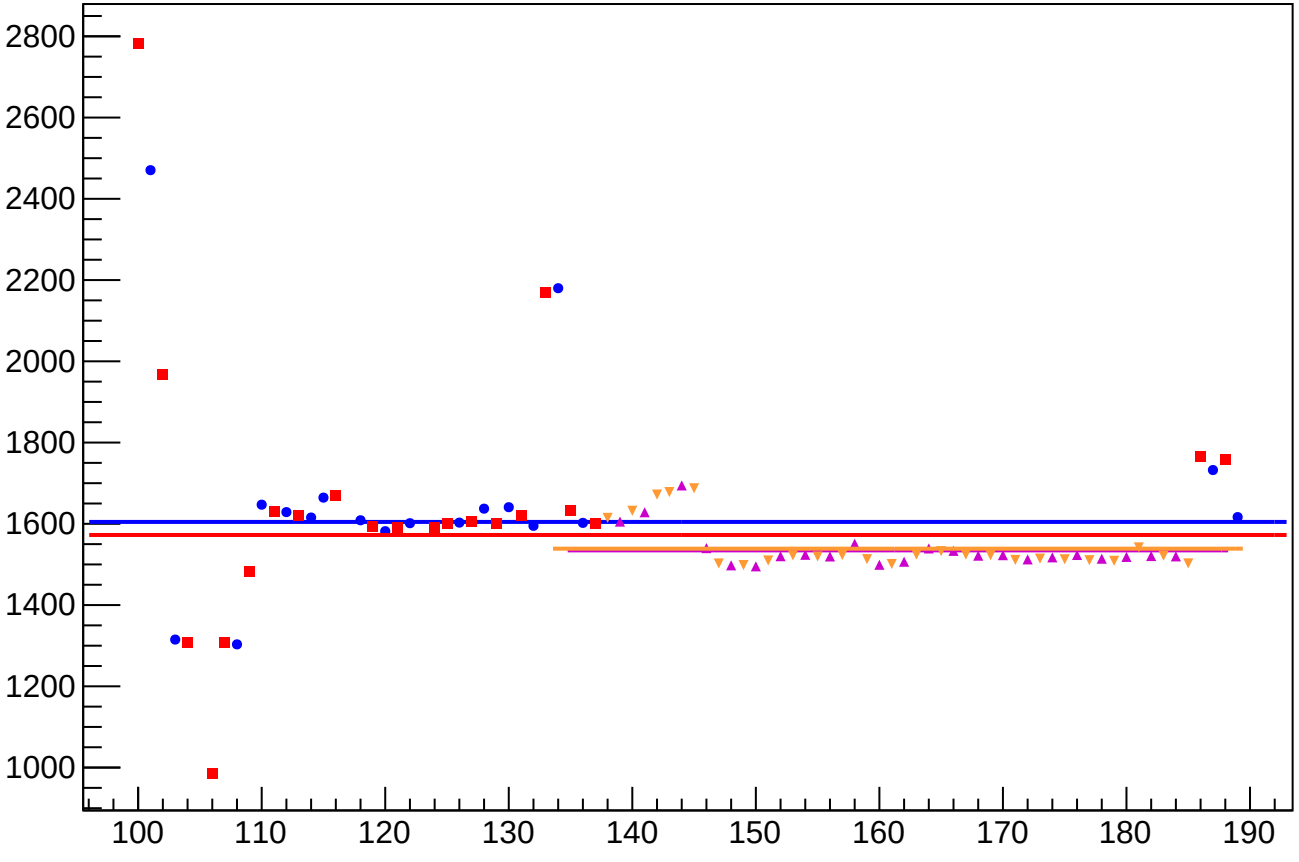
Right: 2614.089+/-396.199 χ^2/NDF: 30.5/38

In: 2933.899+/-304.075 χ^2/NDF:26.6/40

Out: 1712.260+/-294.726 χ^2/NDF:38.6/45

All: 2304.011+/-211.631 χ^2/NDF: 73.6/86

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1604.656+/-0.406 χ^2/NDF: 319604.3/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1572.535+/-0.381 χ^2/NDF: 411970.7/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

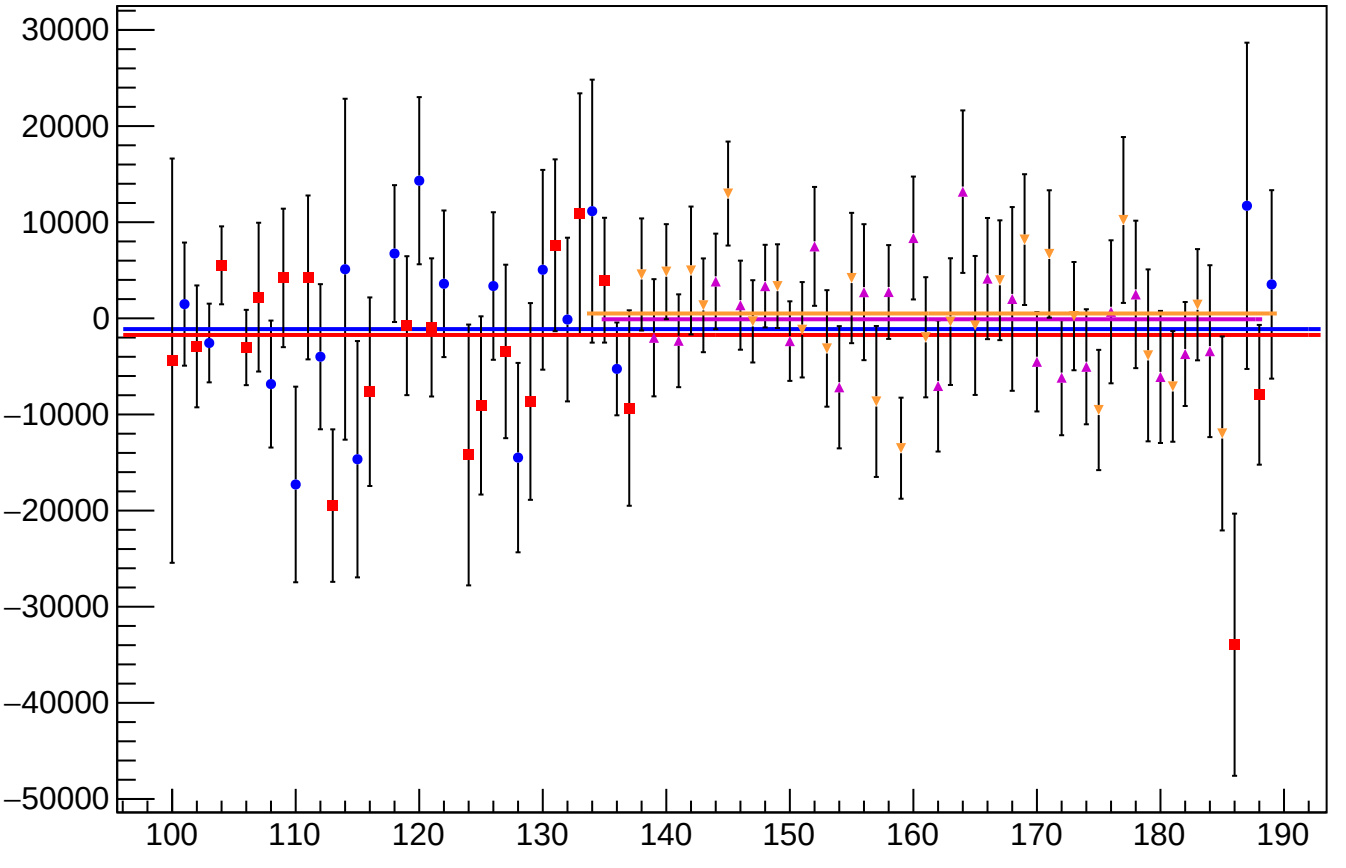
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1587.592+/-0.278 χ^2/NDF: 734899.6/38

In: 1554.255+/-0.215 χ^2/NDF:372137.0/40

Out: 1548.792+/-0.208 χ^2/NDF:464530.8/45

All: 1551.426+/-0.149 χ^2/NDF: 837002.0/86



Right In: -1119.759+/-1805.972 χ^2/NDF: 14.7/17

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1729.546+/-1615.483 χ^2/NDF: 21.9/20

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

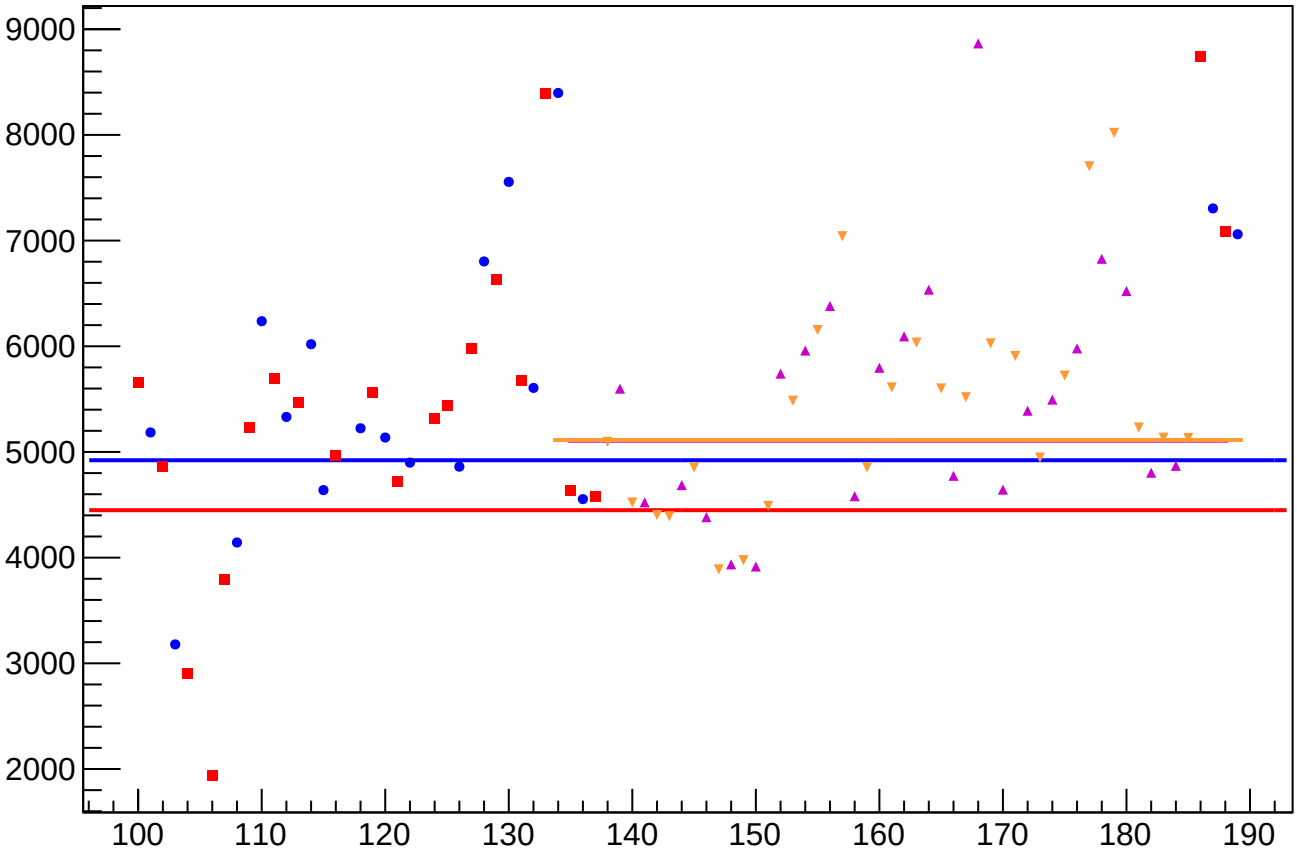
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -1458.498+/-1204.053 χ^2/NDF: 36.6/38

In: -417.237+/-1009.568 χ^2/NDF:29.8/40

Out: -279.438+/-956.708 χ^2/NDF:49.9/45

All: -344.636+/-694.431 χ^2/NDF: 79.7/86



Right In: 4921.624+/-1.277 χ^2/NDF: 936394.2/17

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4448.946+/-1.142 χ^2/NDF: 2174453.7/20

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

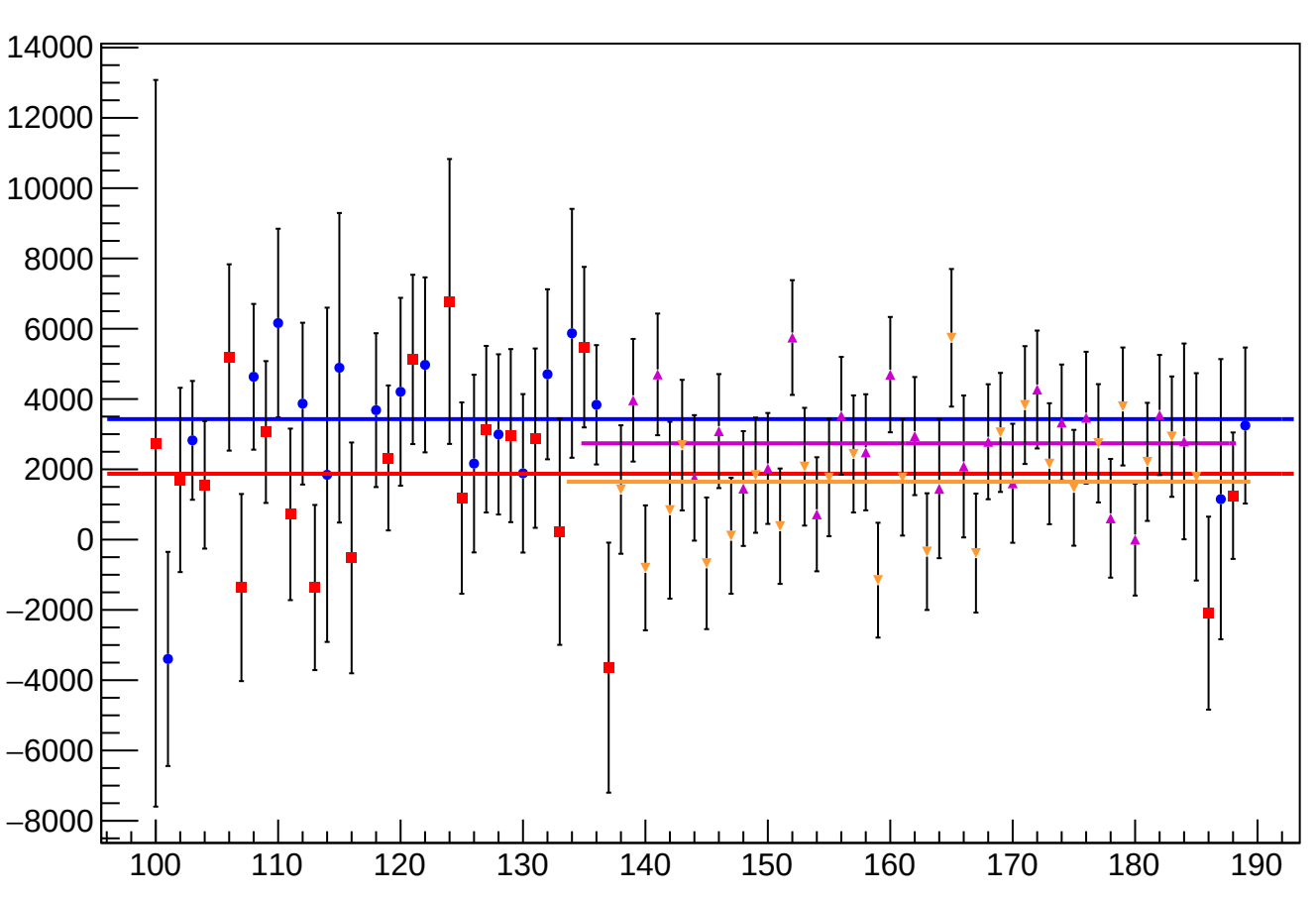
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 4659.050+/-0.851 χ^2/NDF: 3186955.2/38

In: 5048.648+/-0.714 χ^2/NDF:2202408.0/40

Out: 4880.076+/-0.676 χ^2/NDF:3552849.3/45

All: 4959.834+/-0.491 χ^2/NDF: 5784635.5/86



Right In: 3428.822+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1873.506+/-547.361 χ^2/NDF: 17.5/20

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

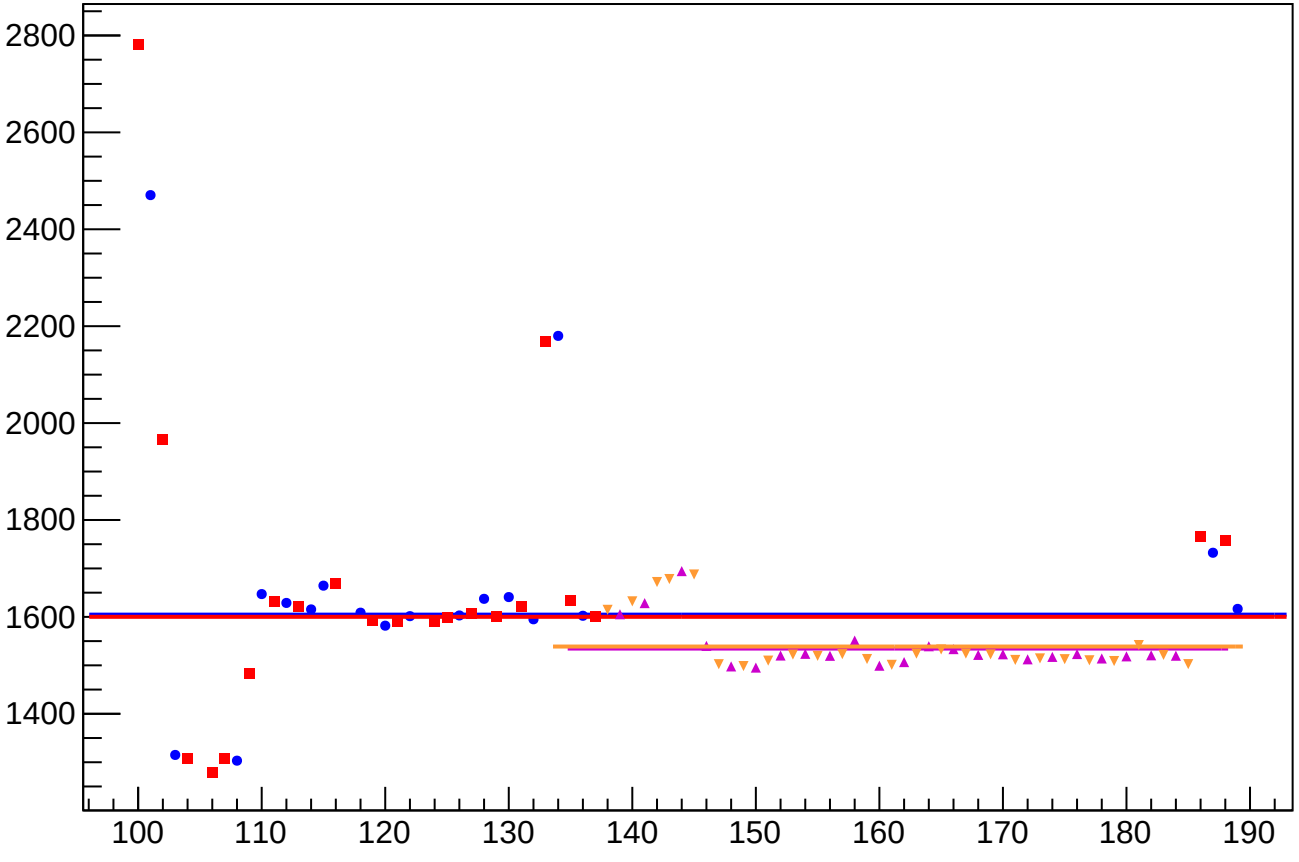
Right: 2613.931+/-396.200 χ^2/NDF: 30.5/38

In: 2933.748+/-304.075 χ^2/NDF:26.6/40

Out: 1712.169+/-294.727 χ^2/NDF:38.6/45

All: 2303.892+/-211.631 χ^2/NDF: 73.6/86

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1604.656+/-0.406 χ^2/NDF: 319603.4/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1600.168+/-0.386 χ^2/NDF: 269504.2/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

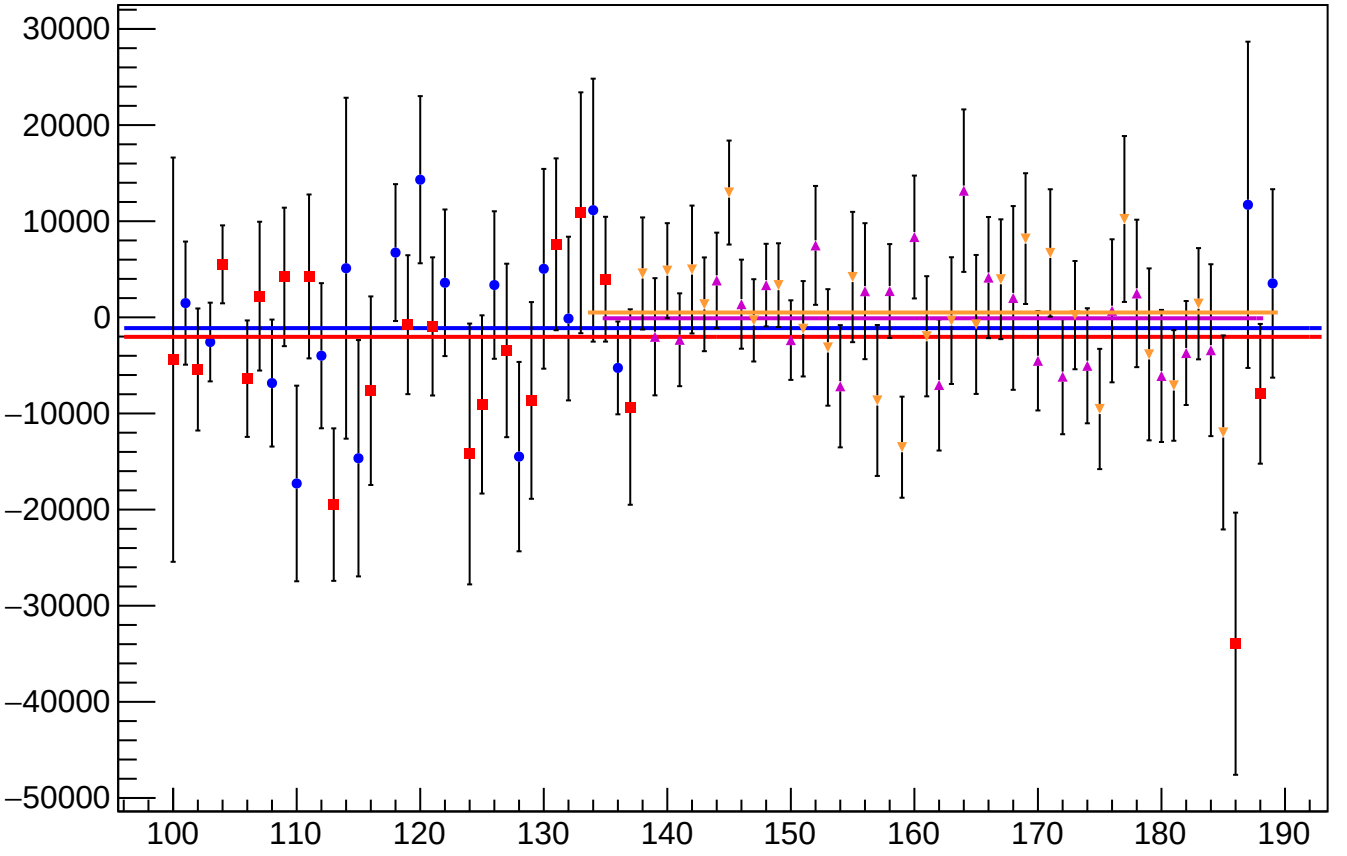
Right: 1602.297+/-0.280 χ^2/NDF: 589171.9/38

In: 1554.255+/-0.215 χ^2/NDF:372136.3/40

Out: 1556.686+/-0.208 χ^2/NDF:334492.8/45

All: 1555.510+/-0.150 χ^2/NDF: 706695.1/86

asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1119.979+/-1806.007 χ^2/NDF: 14.7/17

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2030.543+/-1702.111 χ^2/NDF: 22.6/20

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

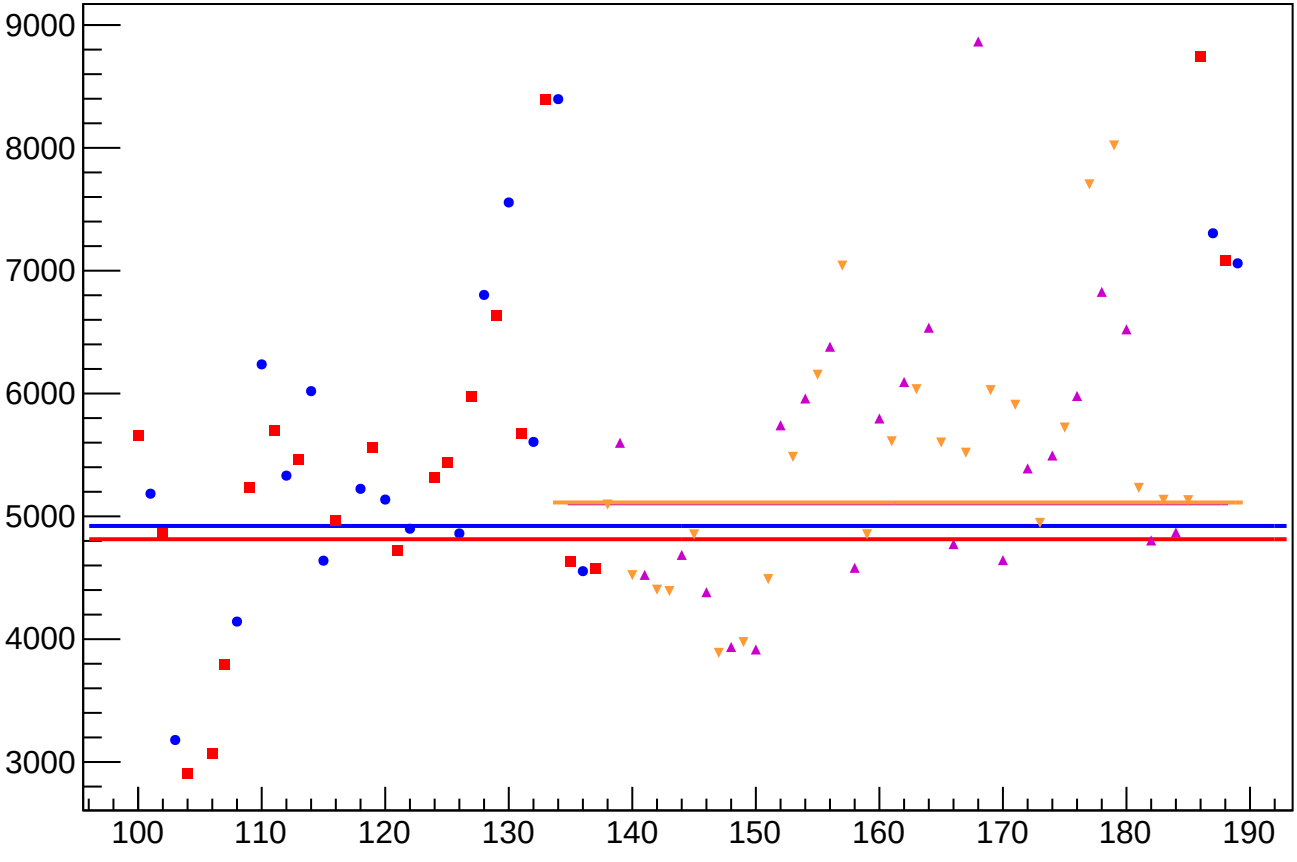
Right: -1602.205+/-1238.676 χ^2/NDF: 37.5/38

In: -417.311+/-1009.574 χ^2/NDF:29.8/40

Out: -325.686+/-973.797 χ^2/NDF:50.9/45

All: -369.847+/-700.885 χ^2/NDF: 80.7/86

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4921.758+/-1.277 χ^2/NDF: 936181.0/17

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4813.735+/-1.204 χ^2/NDF: 1365144.3/20

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

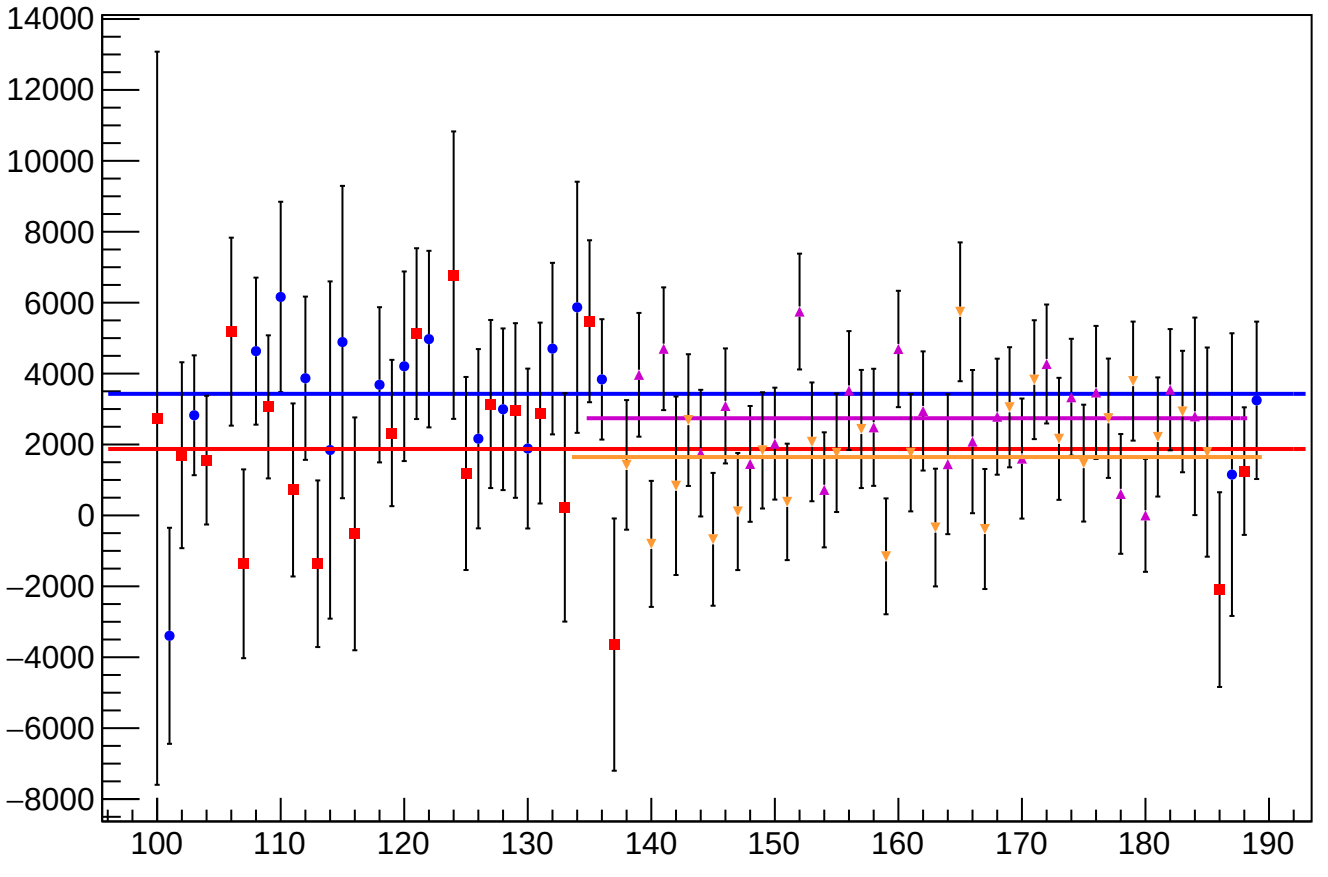
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 4864.550+/-0.876 χ^2/NDF: 2305114.7/38

In: 5048.690+/-0.714 χ^2/NDF:2202173.7/40

Out: 5015.011+/-0.689 χ^2/NDF:2565741.9/45

All: 5031.243+/-0.496 χ^2/NDF: 4769068.6/86



Right In: 3428.822+/-574.226 χ^2/NDF: 9.2/17

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1873.506+/-547.361 χ^2/NDF: 17.5/20

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

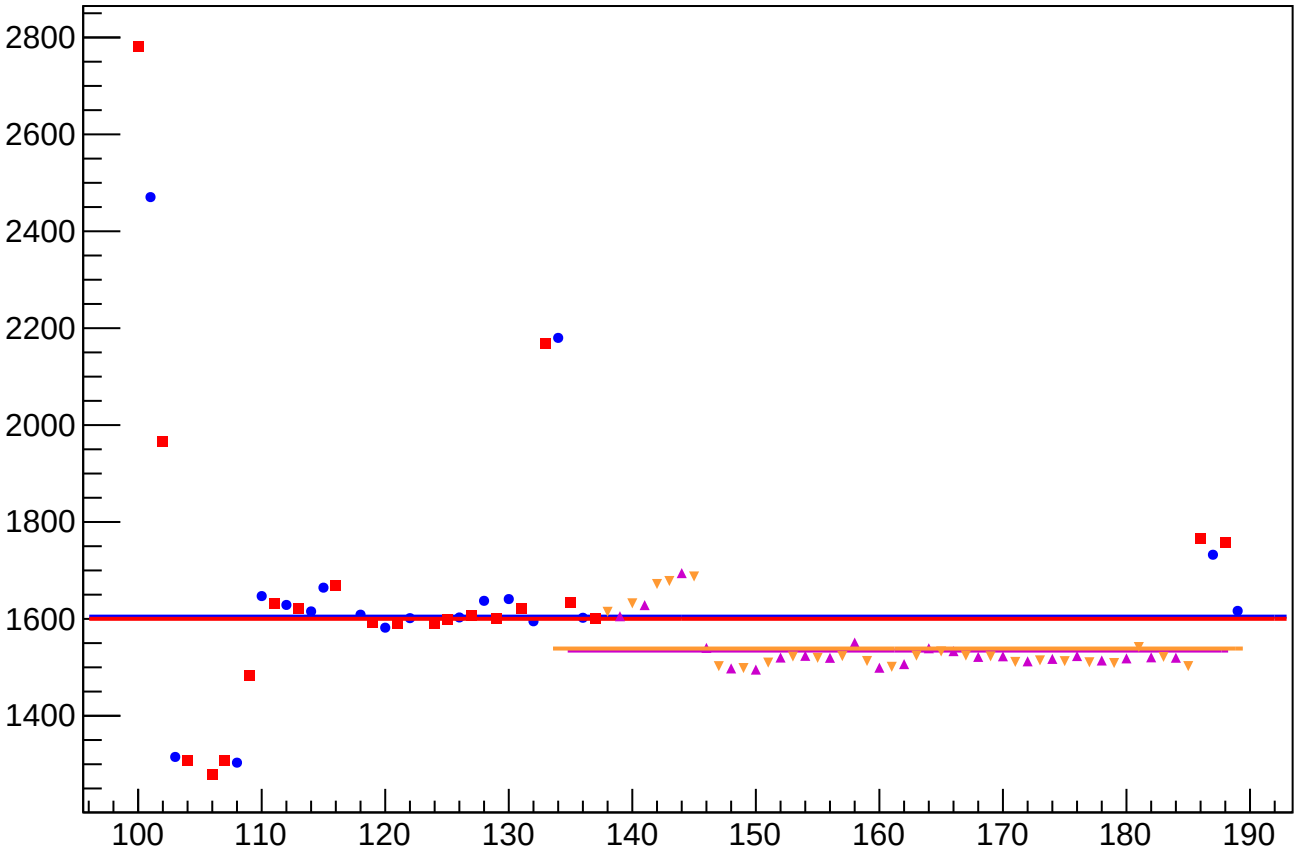
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2613.931+/-396.200 χ^2/NDF: 30.5/38

In: 2933.748+/-304.075 χ^2/NDF:26.6/40

Out: 1712.169+/-294.727 χ^2/NDF:38.6/45

All: 2303.892+/-211.631 χ^2/NDF: 73.6/86



Right In: 1604.656+/-0.406 χ^2/NDF: 319603.4/17

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1600.168+/-0.386 χ^2/NDF: 269504.2/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

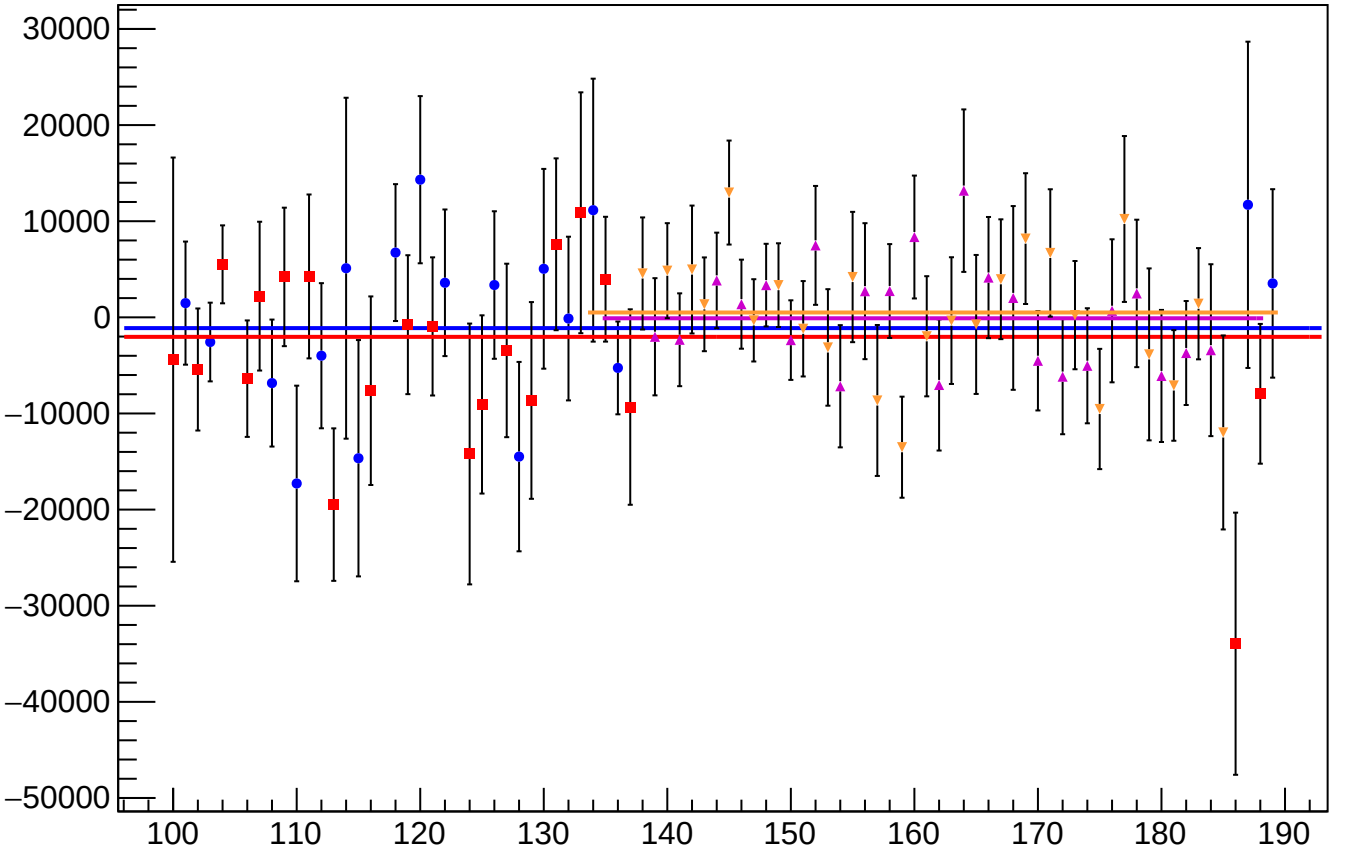
Right: 1602.297+/-0.280 χ^2/NDF: 589171.9/38

In: 1554.255+/-0.215 χ^2/NDF:372136.3/40

Out: 1556.686+/-0.208 χ^2/NDF:334492.8/45

All: 1555.510+/-0.150 χ^2/NDF: 706695.1/86

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1119.979+/-1806.007 χ^2/NDF: 14.7/17

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2030.543+/-1702.111 χ^2/NDF: 22.6/20

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

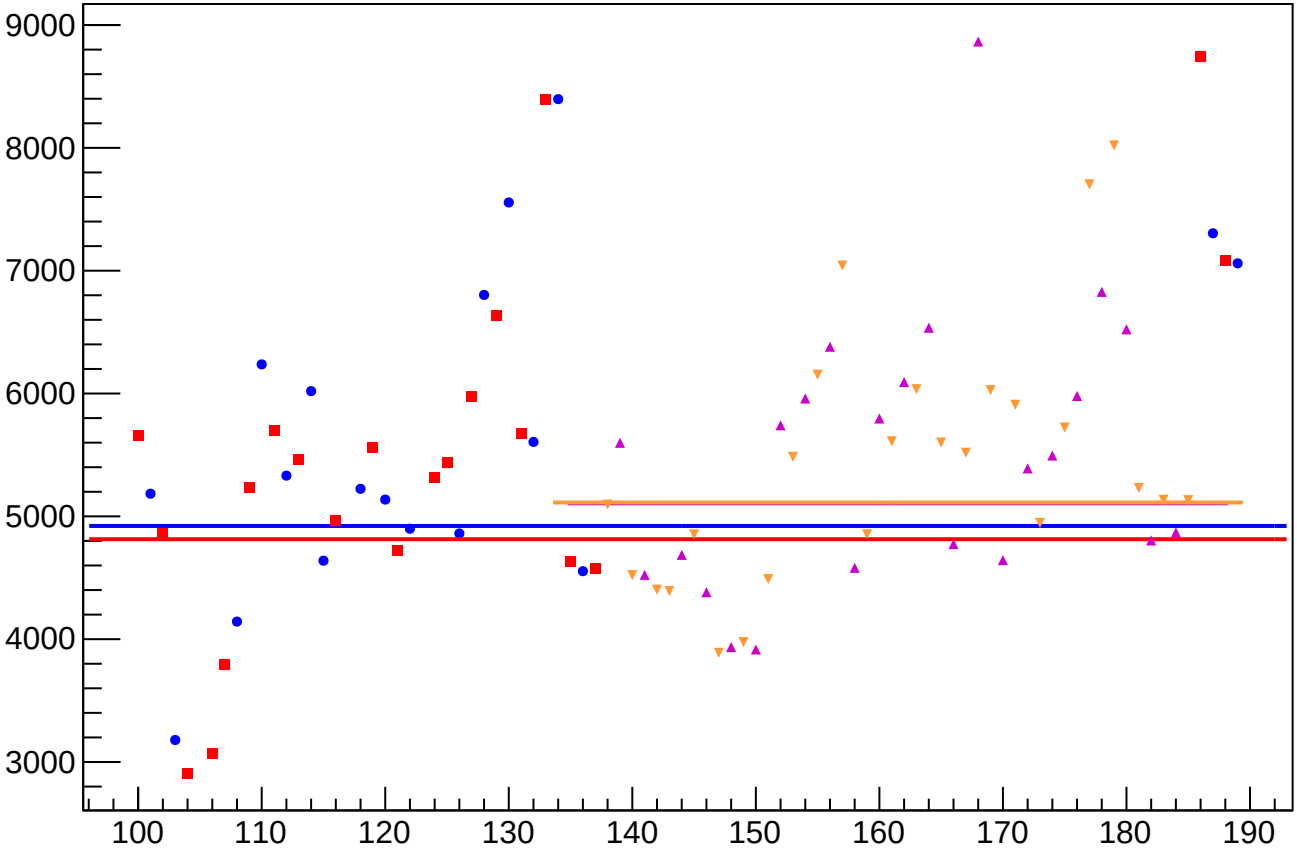
Right: -1602.205+/-1238.676 χ^2/NDF: 37.5/38

In: -417.311+/-1009.574 χ^2/NDF:29.8/40

Out: -325.686+/-973.797 χ^2/NDF:50.9/45

All: -369.847+/-700.885 χ^2/NDF: 80.7/86

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4921.758+/-1.277 χ^2/NDF: 936181.0/17

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4813.735+/-1.204 χ^2/NDF: 1365144.3/20

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

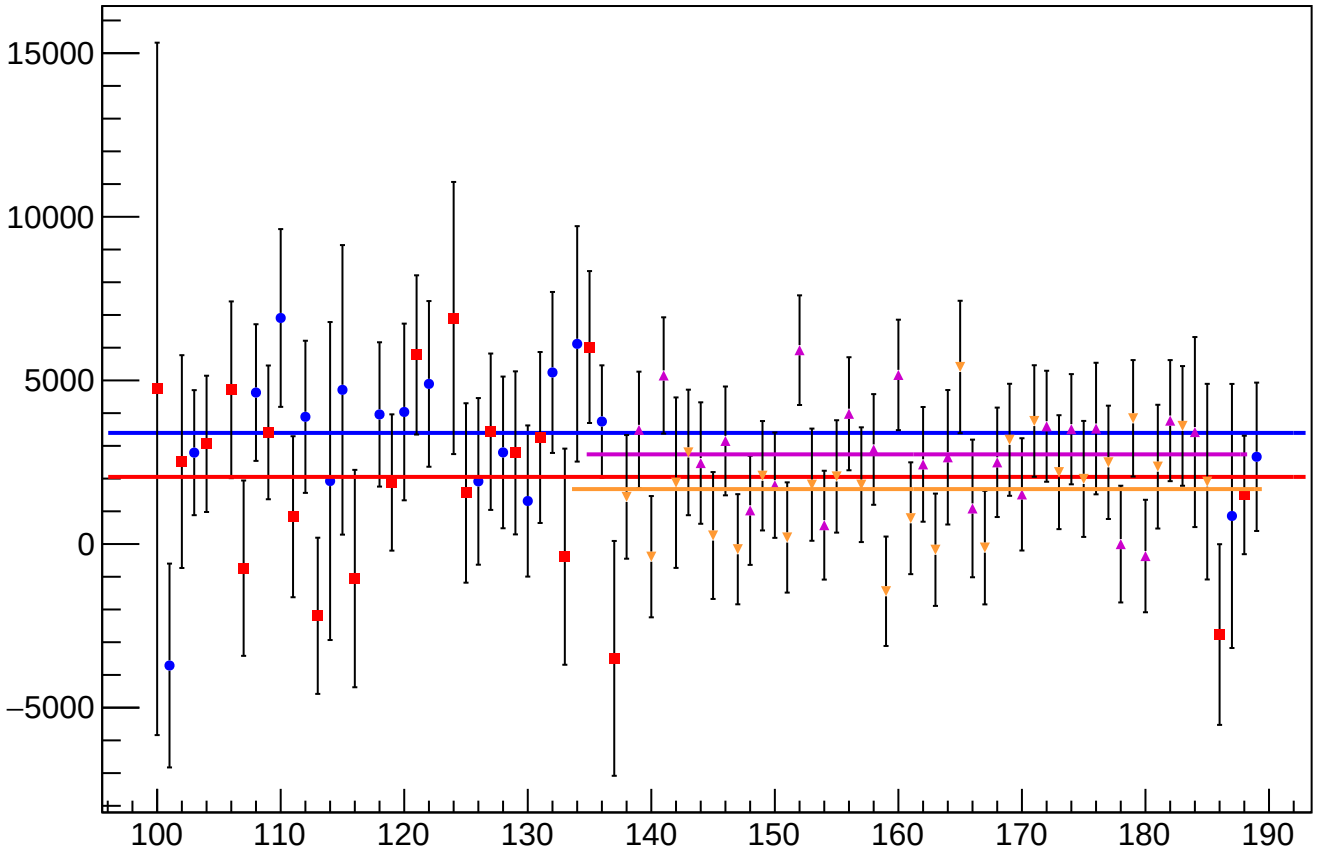
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 4864.550+/-0.876 χ^2/NDF: 2305114.7/38

In: 5048.690+/-0.714 χ^2/NDF:2202173.7/40

Out: 5015.011+/-0.689 χ^2/NDF:2565741.9/45

All: 5031.243+/-0.496 χ^2/NDF: 4769068.6/86



Right In: 3396.178+/-588.728 χ^2/NDF: 10.9/17

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 2051.494+/-563.798 χ^2/NDF: 20.5/20

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

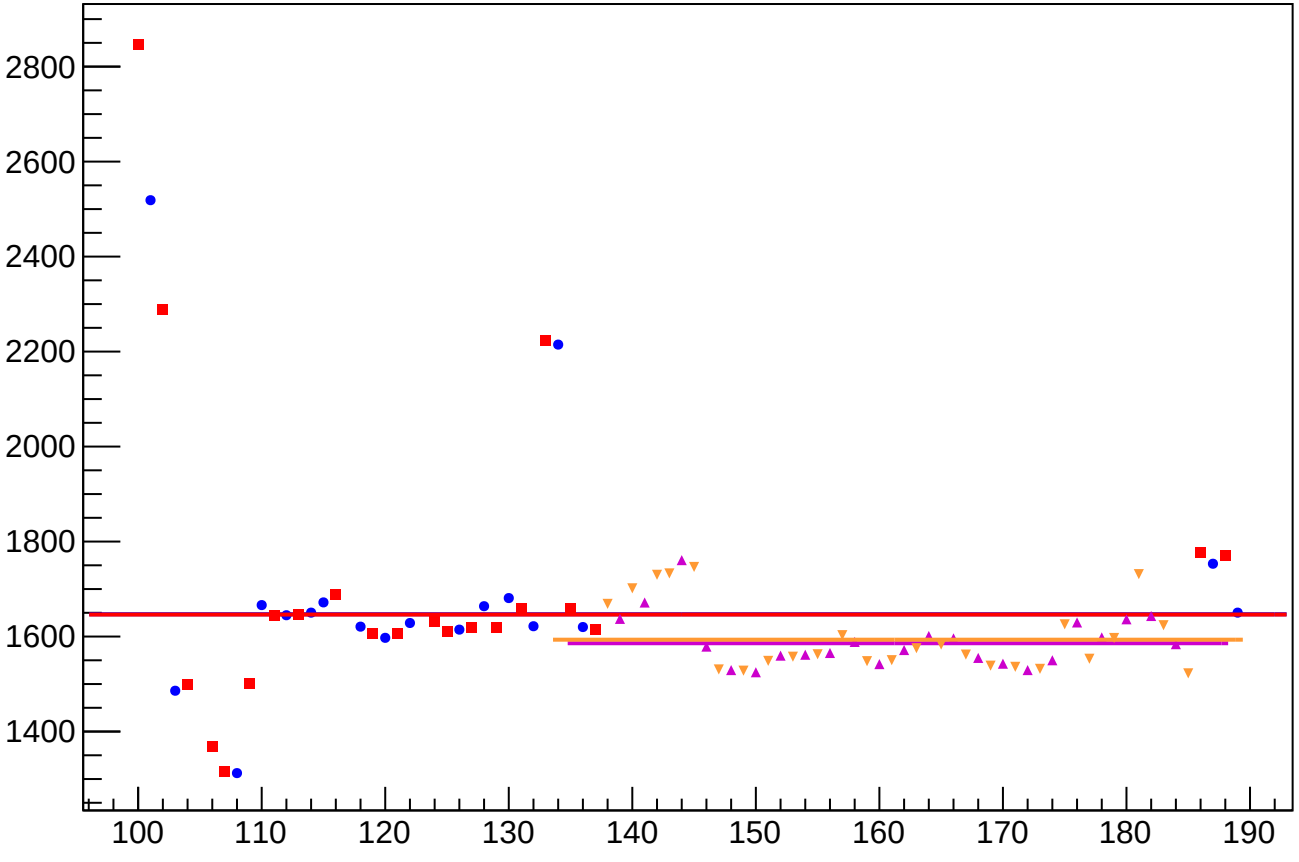
Right: 2694.764+/-407.194 χ^2/NDF: 34.1/38

In: 2926.705+/-313.636 χ^2/NDF:31.0/40

Out: 1788.018+/-304.848 χ^2/NDF:39.7/45

All: 2341.186+/-218.601 χ^2/NDF: 77.5/86

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1646.936+/-0.416 χ^2/NDF: 276251.8/17

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1646.323+/-0.398 χ^2/NDF: 253559.2/20

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

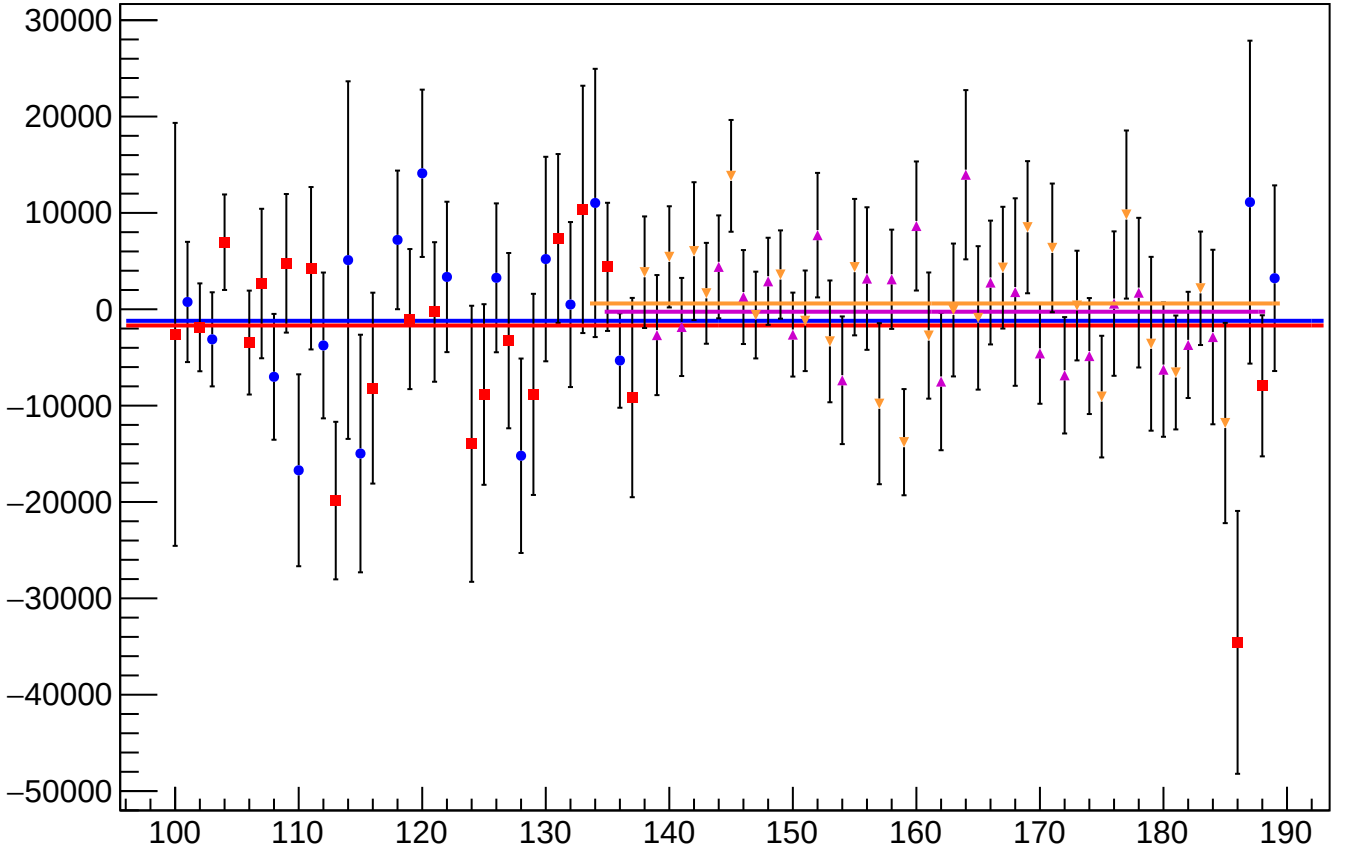
Right: 1646.616+/-0.288 χ^2/NDF: 529812.1/38

In: 1603.235+/-0.222 χ^2/NDF:333553.8/40

Out: 1608.880+/-0.216 χ^2/NDF:337925.4/45

All: 1606.139+/-0.155 χ^2/NDF: 671812.4/86

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1197.029+/-1865.454 χ^2/NDF: 14.7/17

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1681.873+/-1687.664 χ^2/NDF: 21.9/20

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

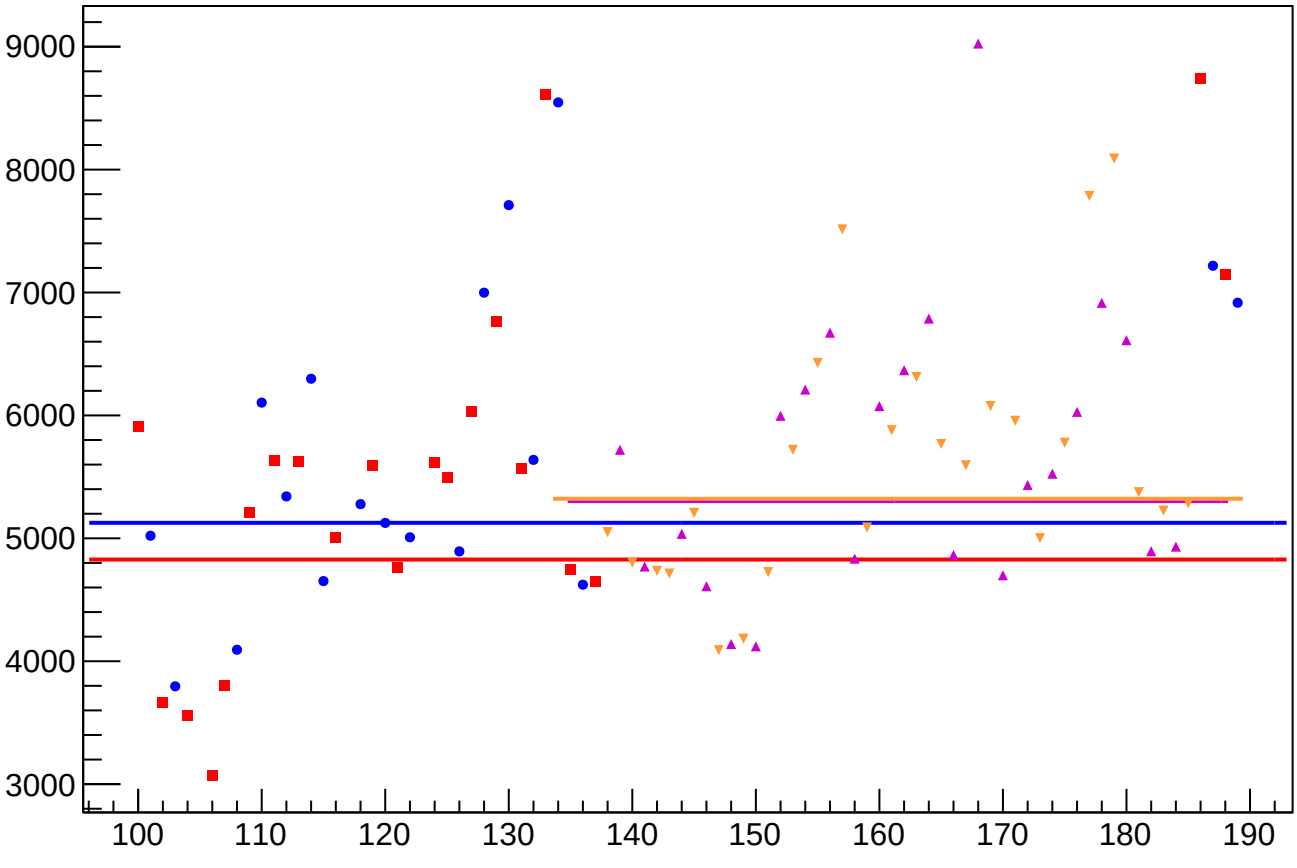
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1463.651+/-1251.506 χ^2/NDF: 36.5/38

In: -551.587+/-1045.619 χ^2/NDF:29.5/40

Out: -193.401+/-995.890 χ^2/NDF:49.1/45

All: -363.774+/-721.140 χ^2/NDF: 78.6/86



Right In: 5126.381+/-1.319 χ^2/NDF: 670938.0/17

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4827.455+/-1.193 χ^2/NDF: 1253975.7/20

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

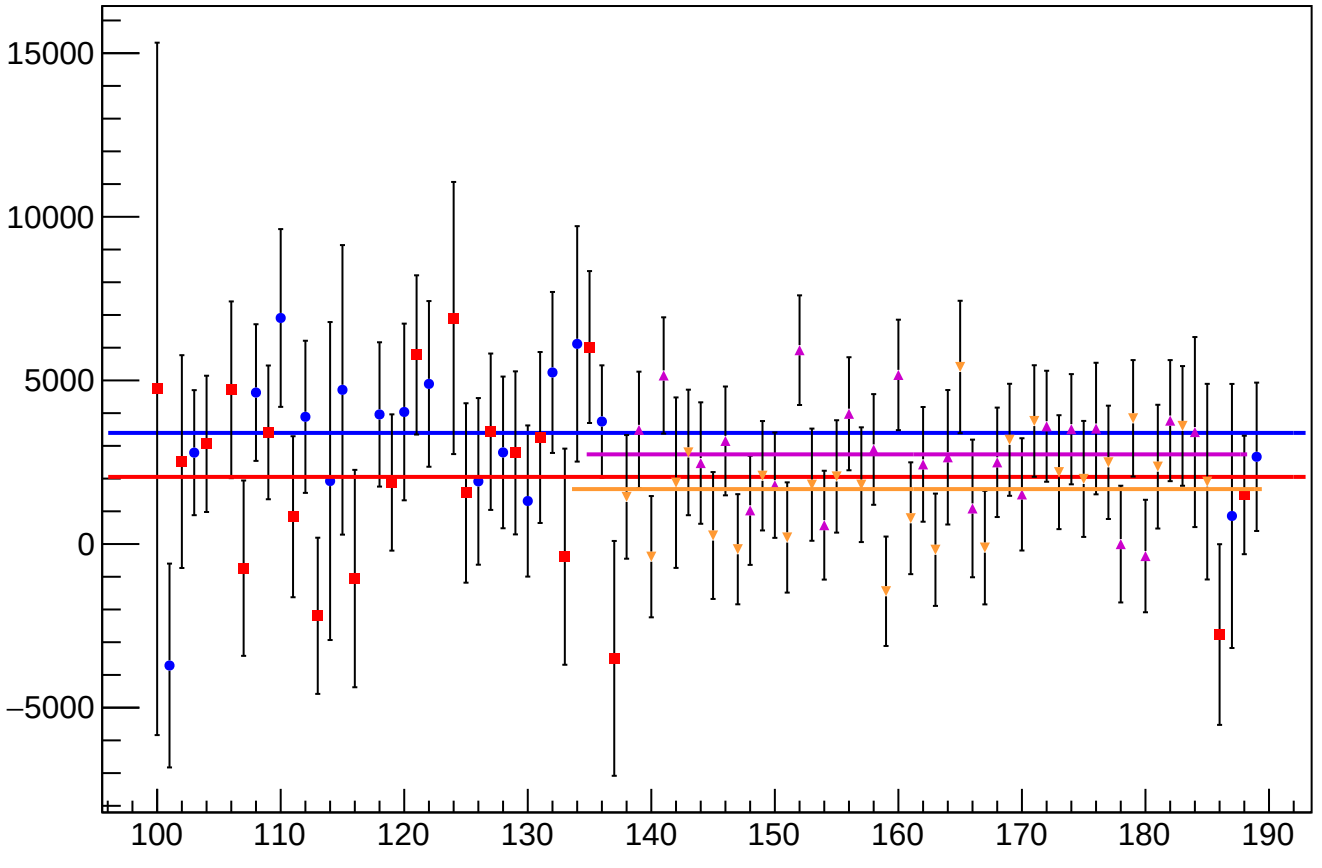
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 4961.998+/-0.885 χ^2/NDF: 1953154.8/38

In: 5247.407+/-0.739 χ^2/NDF:1835588.6/40

Out: 5149.762+/-0.704 χ^2/NDF:2402901.6/45

All: 5196.207+/-0.510 χ^2/NDF: 4247635.4/86



Right In: 3396.180+/-588.728 χ^2/NDF: 10.9/17

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 2051.499+/-563.798 χ^2/NDF: 20.5/20

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

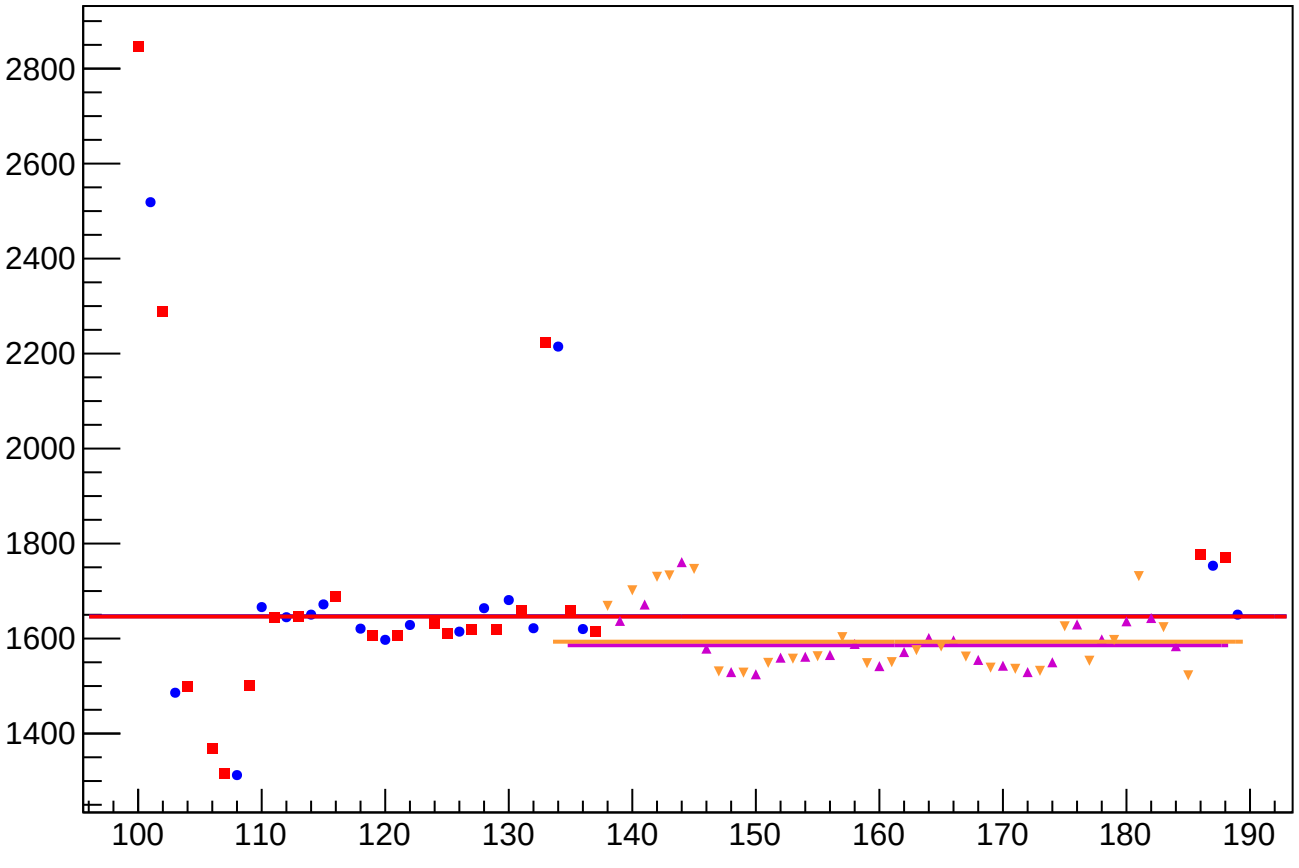
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2694.768+/-407.194 χ^2/NDF: 34.1/38

In: 2926.706+/-313.636 χ^2/NDF:31.0/40

Out: 1788.015+/-304.848 χ^2/NDF:39.7/45

All: 2341.185+/-218.601 χ^2/NDF: 77.5/86



Right In: 1646.935+/-0.416 χ^2/NDF: 276251.9/17

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1646.323+/-0.398 χ^2/NDF: 253558.9/20

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

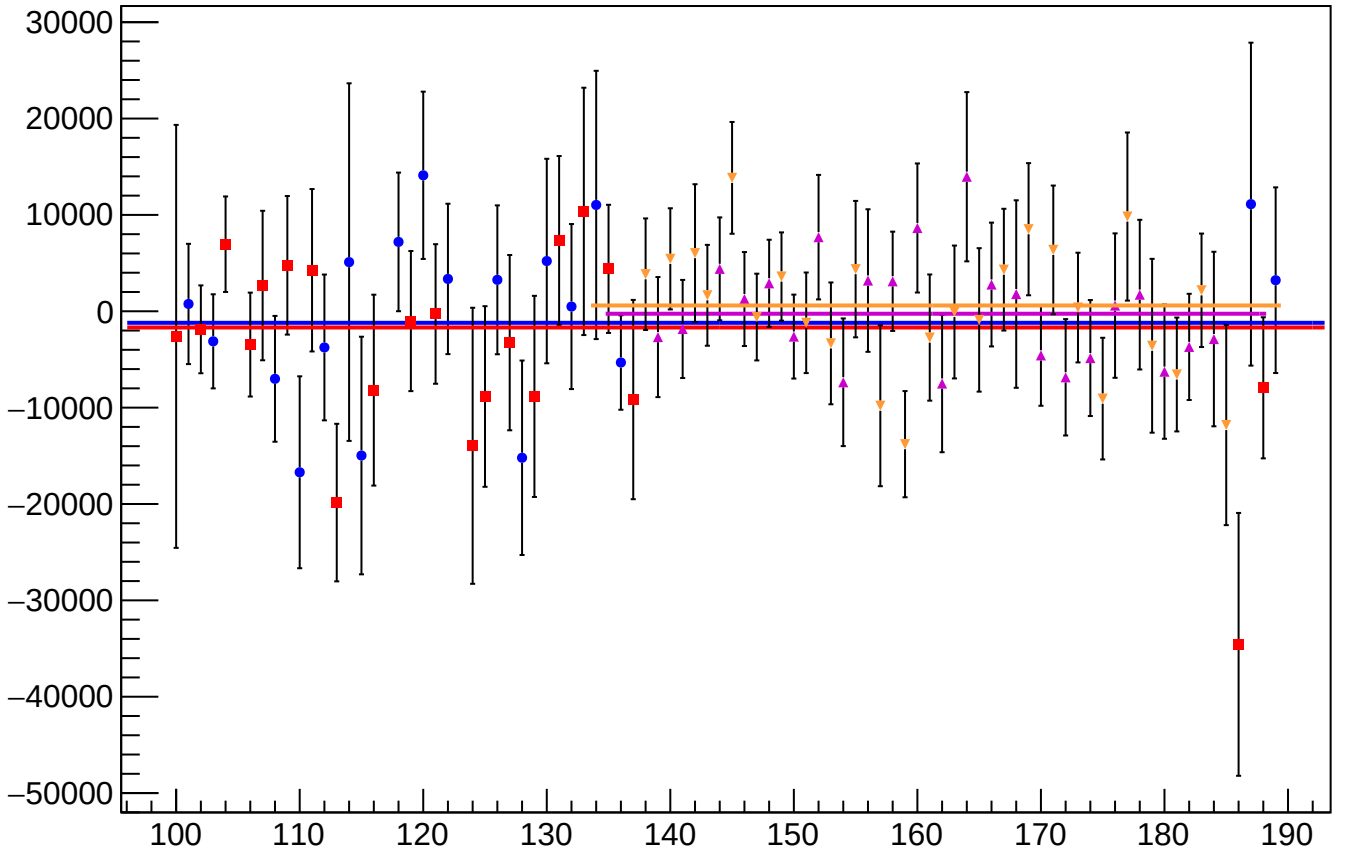
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

Right: 1646.616+/-0.288 χ^2/NDF: 529812.0/38

In: 1603.236+/-0.222 χ^2/NDF:333552.9/40

Out: 1608.881+/-0.216 χ^2/NDF:337924.4/45

All: 1606.139+/-0.155 χ^2/NDF: 671810.5/86



Right In: -1197.015+/-1865.452 χ^2/NDF: 14.7/17

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1681.871+/-1687.661 χ^2/NDF: 21.9/20

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

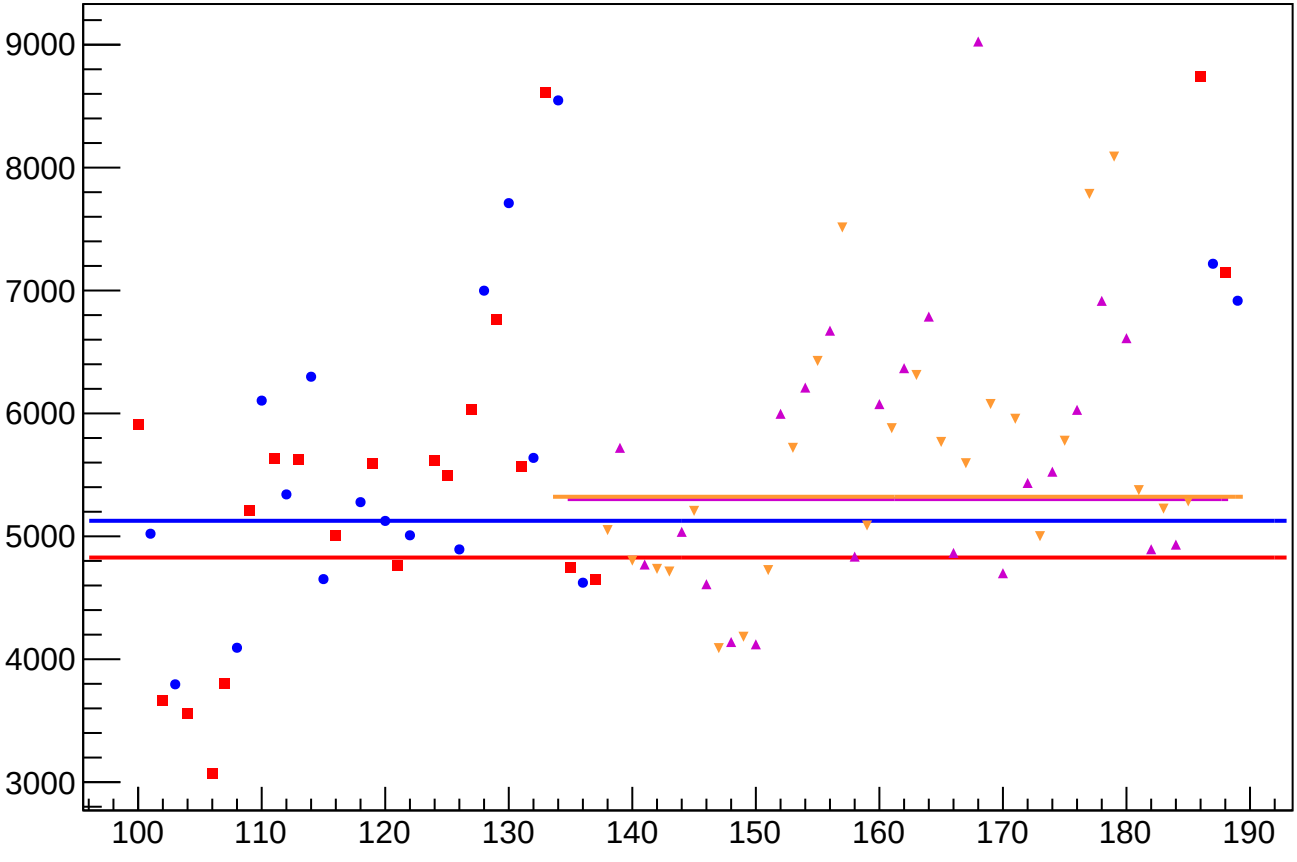
Right: -1463.644+/-1251.504 χ^2/NDF: 36.5/38

In: -551.585+/-1045.620 χ^2/NDF:29.5/40

Out: -193.407+/-995.890 χ^2/NDF:49.1/45

All: -363.776+/-721.141 χ^2/NDF: 78.6/86

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5126.375+/-1.319 χ^2/NDF: 670933.3/17

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 4827.449+/-1.193 χ^2/NDF: 1253972.2/20

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

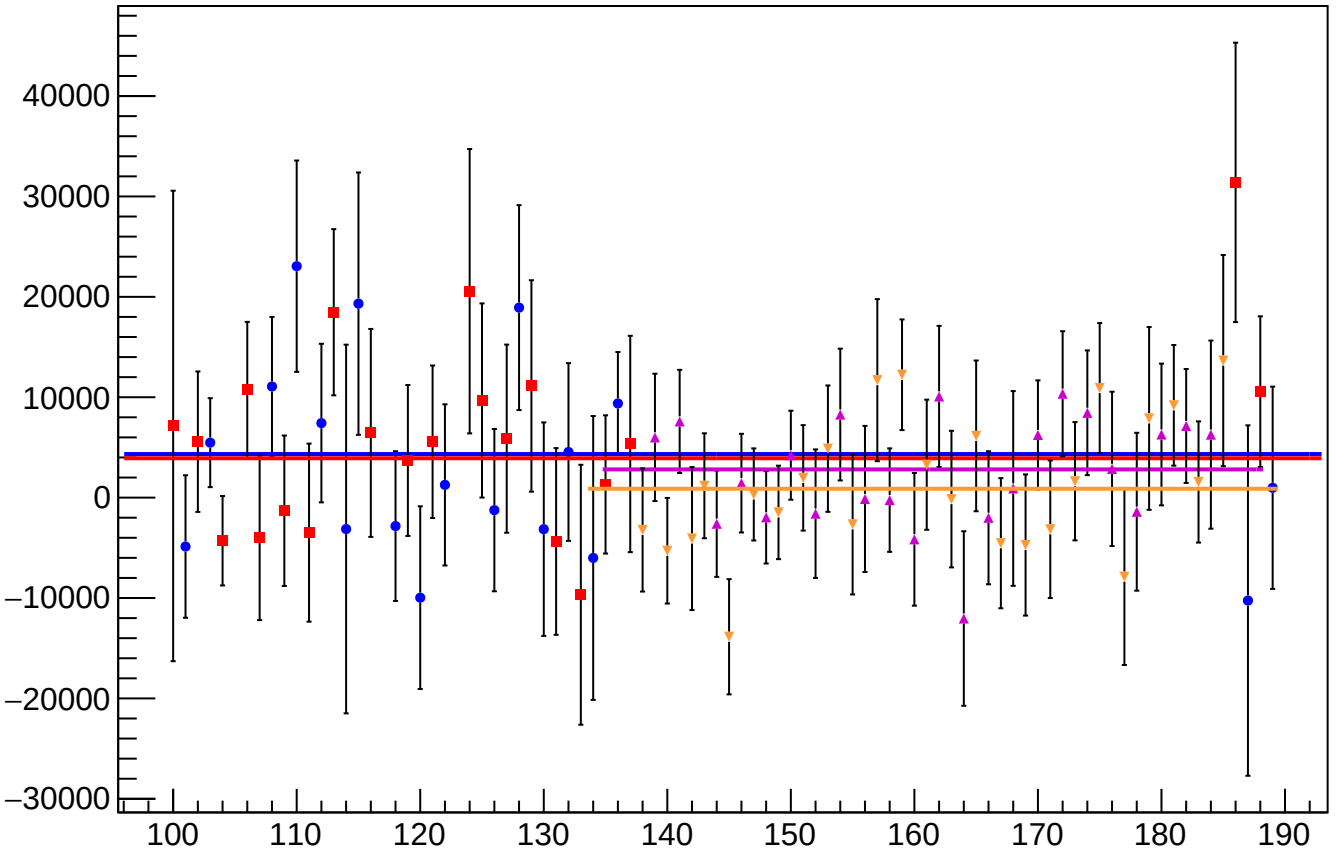
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 4961.992+/-0.885 χ^2/NDF: 1953146.6/38

In: 5247.411+/-0.739 χ^2/NDF:1835590.0/40

Out: 5149.765+/-0.704 χ^2/NDF:2402907.4/45

All: 5196.211+/-0.510 χ^2/NDF: 4247642.8/86



Right In: 4342.359+/-1910.949 χ^2/NDF: 16.4/17

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 3921.183+/-1810.734 χ^2/NDF: 18.8/20

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

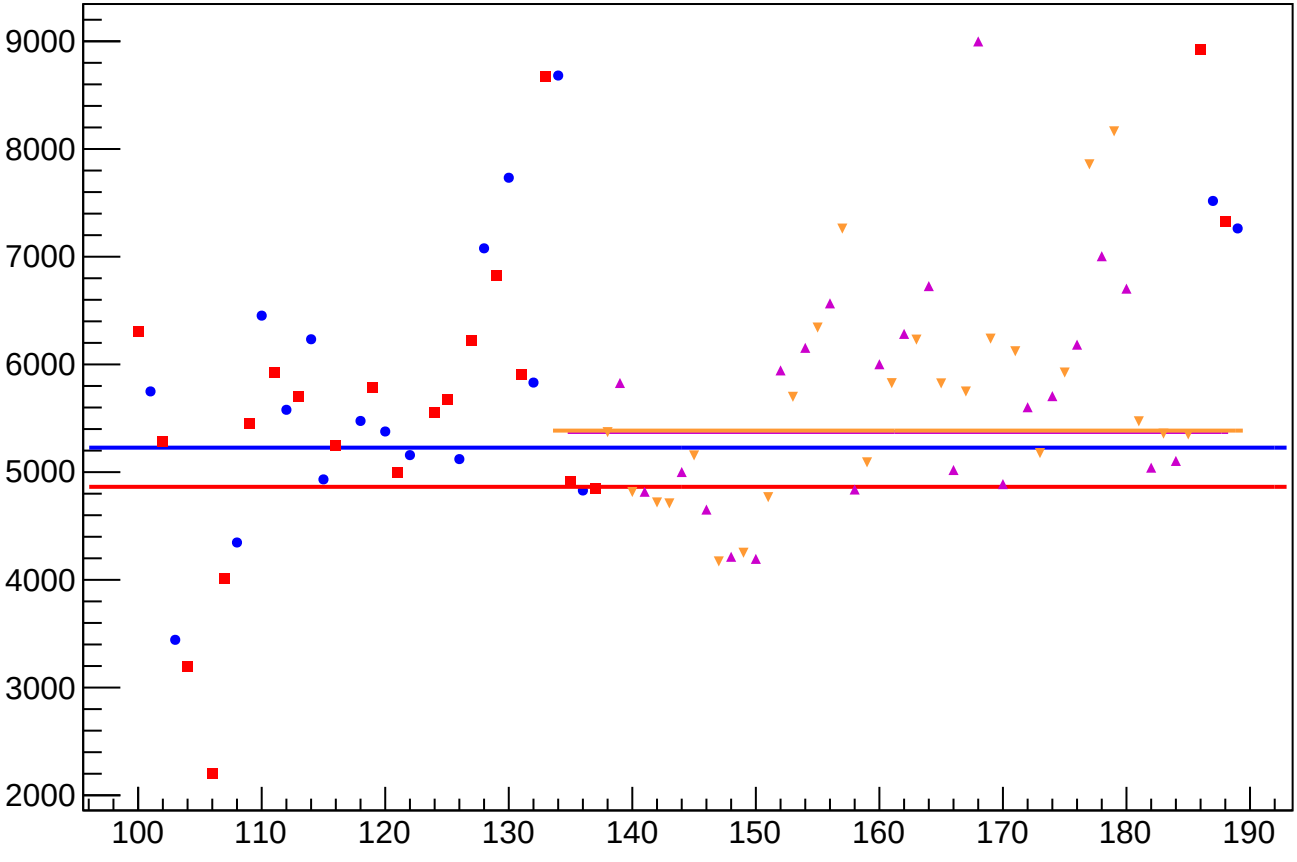
Right: 4120.438+/-1314.383 χ^2/NDF: 35.2/38

In: 3283.650+/-1061.879 χ^2/NDF:31.5/40

Out: 1861.527+/-1026.739 χ^2/NDF:46.3/45

All: 2548.669+/-738.124 χ^2/NDF: 78.8/86

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5227.392+/-1.351 χ^2/NDF: 842255.2/17

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 4863.604+/-1.235 χ^2/NDF: 1757425.1/20

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

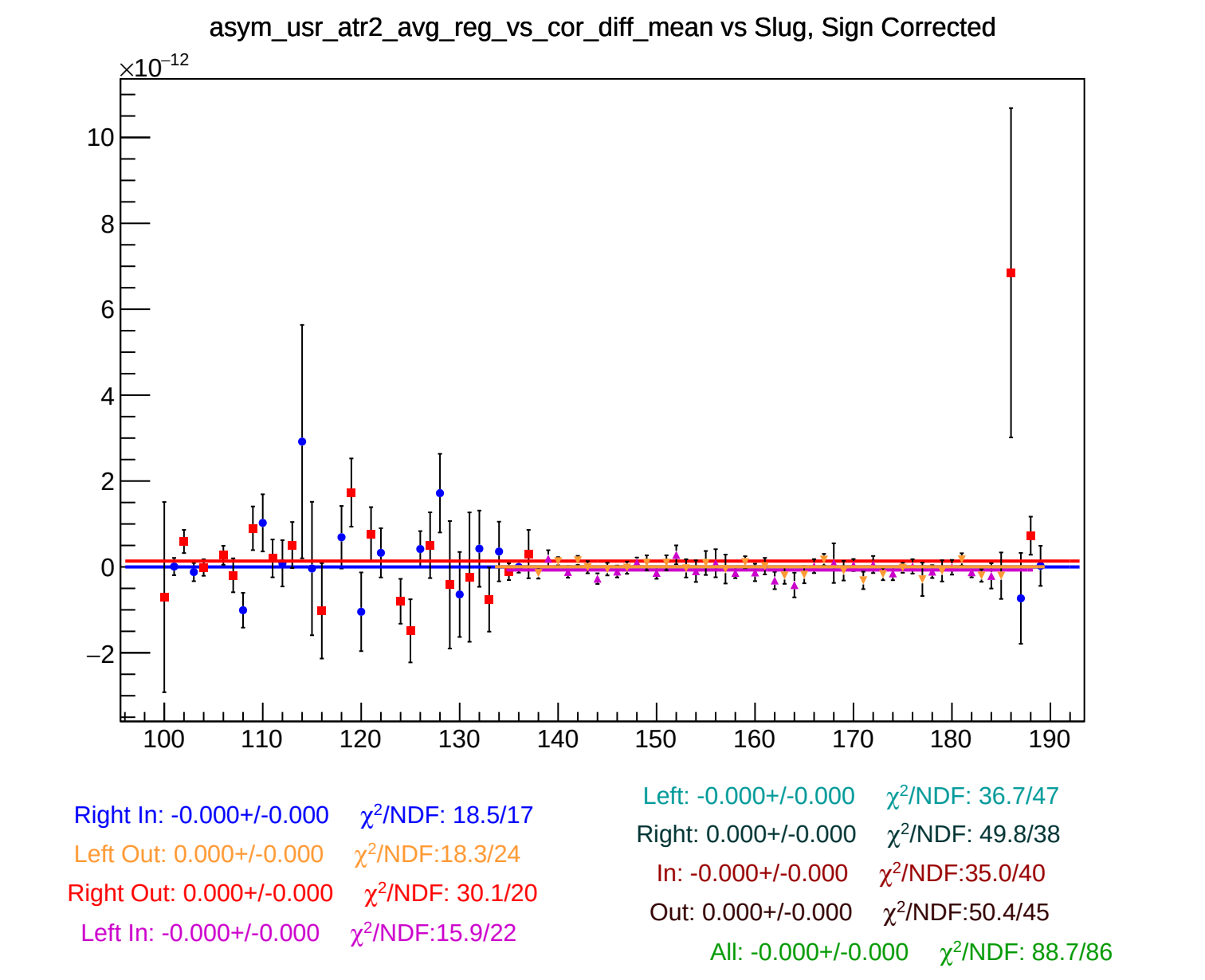
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

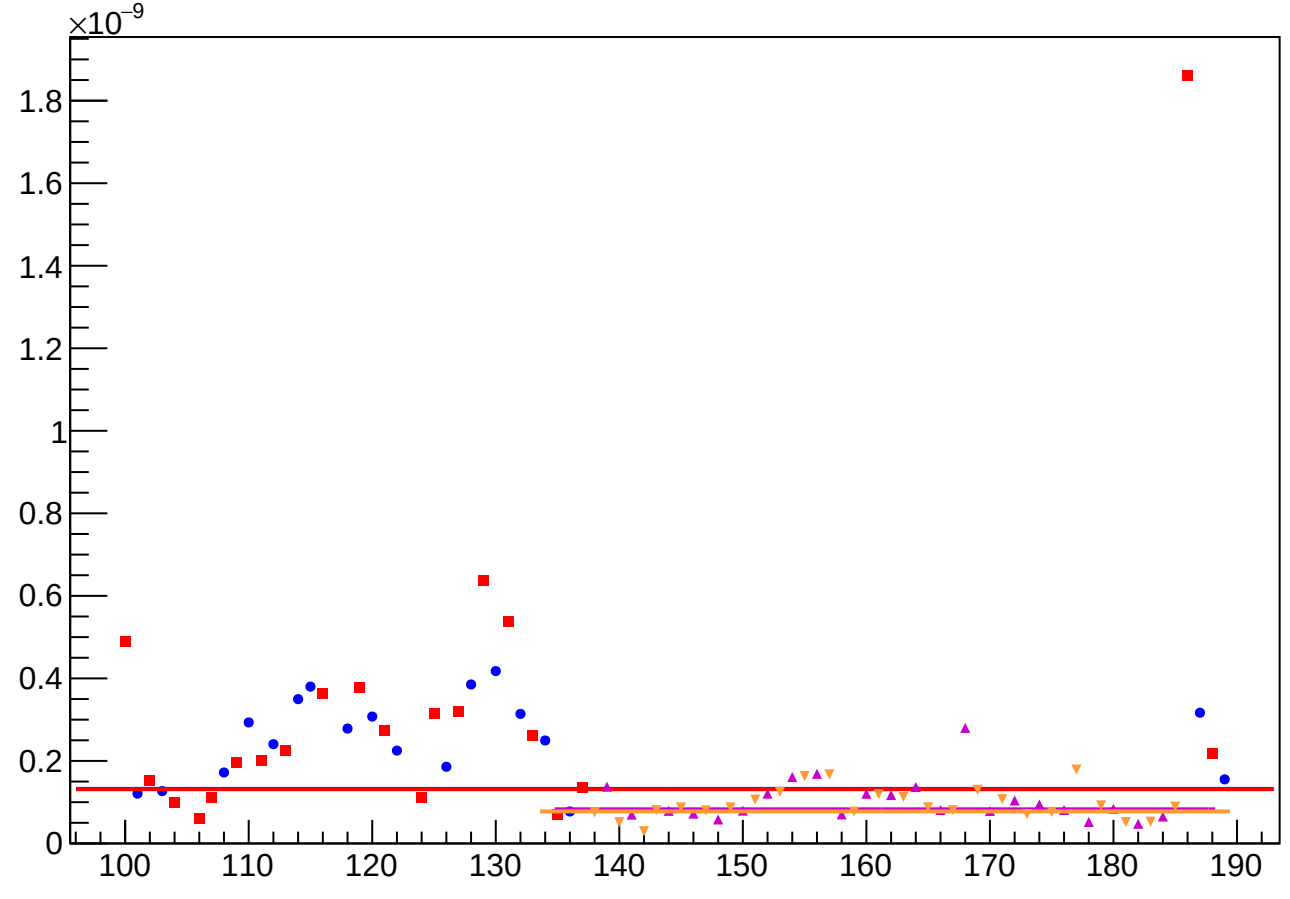
Right: 5029.153+/-0.912 χ^2/NDF: 2639177.7/38

In: 5327.947+/-0.751 χ^2/NDF:1922088.1/40

Out: 5209.446+/-0.717 χ^2/NDF:2862922.4/45

All: 5265.997+/-0.519 χ^2/NDF: 4798031.5/86


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.5/17
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.1/20
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: 49.8/38
In: -0.000+/-0.000 χ²/NDF:35.0/40
Out: 0.000+/-0.000 χ²/NDF:50.4/45
All: -0.000+/-0.000 χ²/NDF: 88.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 1396017.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2222243.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

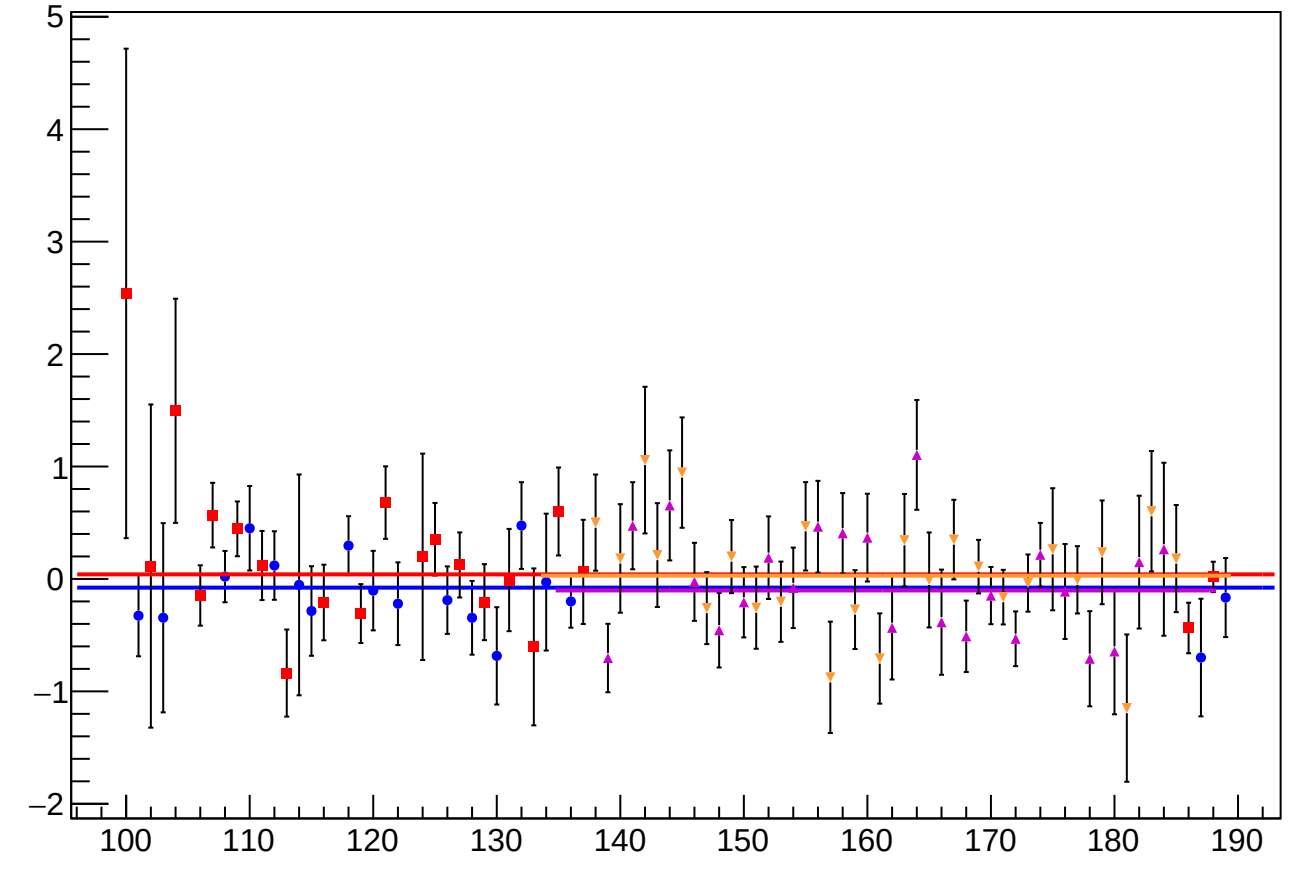
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3618319.0/38

In: 0.000+/-0.000 χ^2/NDF:3534657.4/40

Out: 0.000+/-0.000 χ^2/NDF:4532597.8/45

All: 0.000+/-0.000 χ^2/NDF: 8102528.6/86



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

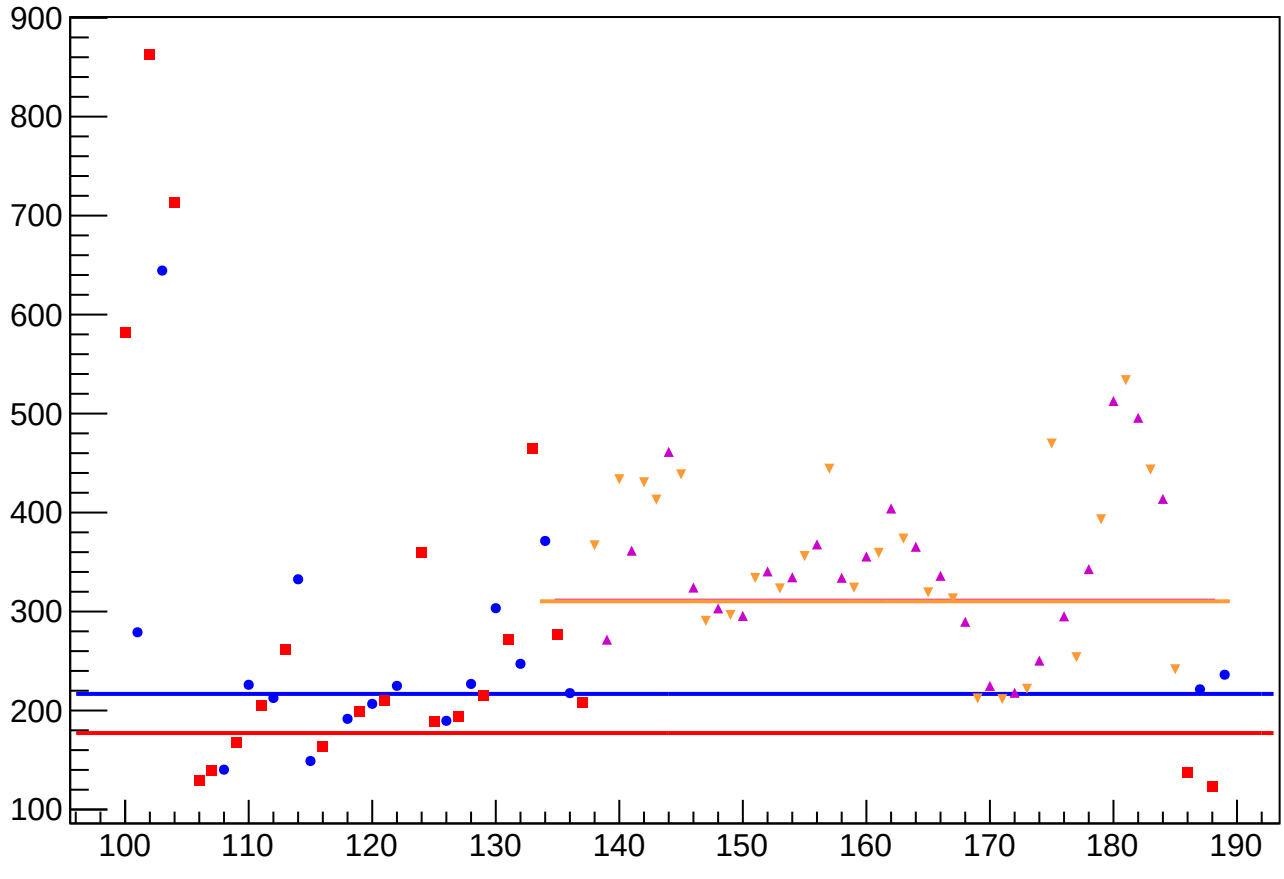
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.052 χ^2/NDF: 44.0/38

In: -0.091+/-0.056 χ^2/NDF:44.5/40

Out: 0.035+/-0.050 χ^2/NDF:55.9/45

All: -0.021+/-0.037 χ^2/NDF: 103.3/86



Right In: 216.789+/-0.058 χ^2/NDF: 1155417.1/17

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 177.244+/-0.048 χ^2/NDF: 2414026.6/20

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

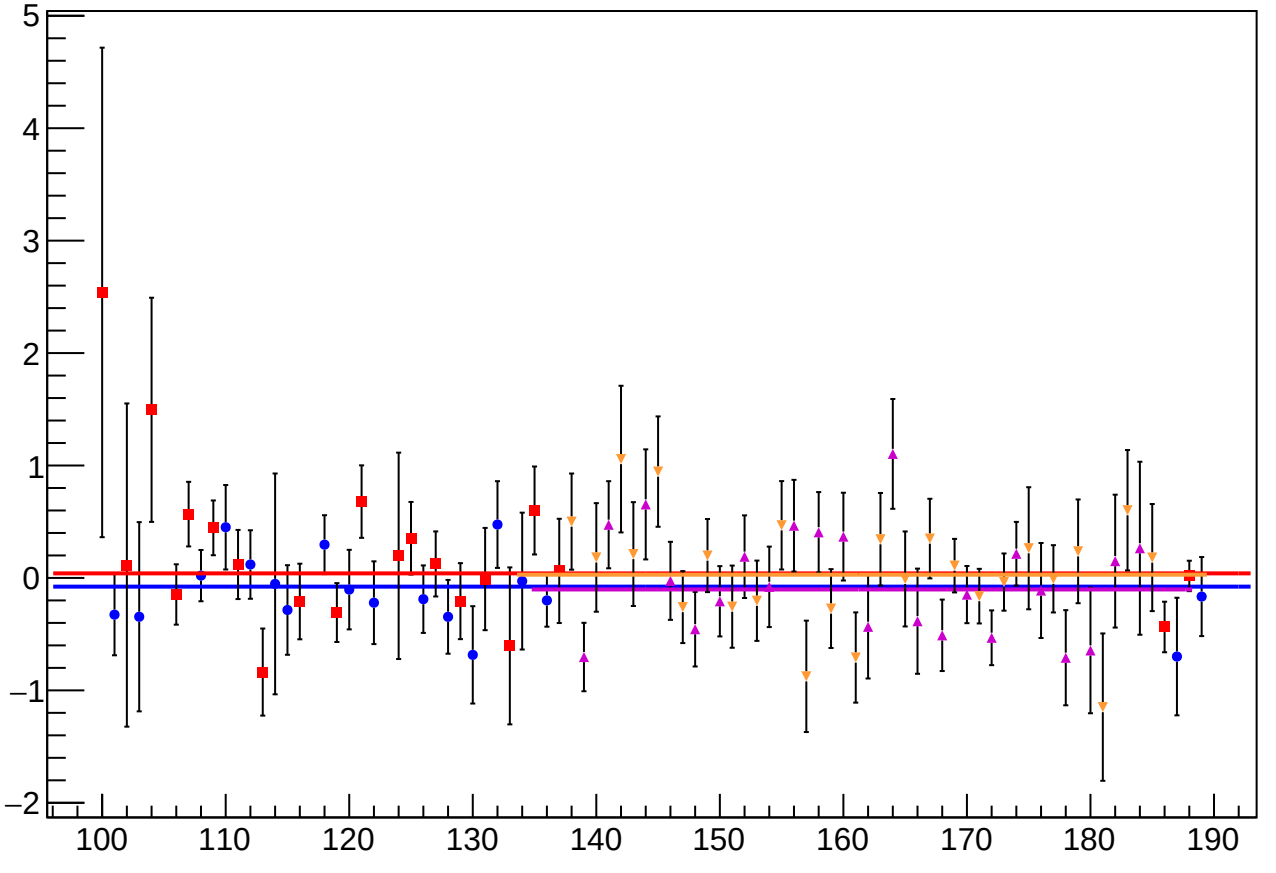
Right: 193.240+/-0.037 χ^2/NDF: 3846287.6/38

In: 267.303+/-0.039 χ^2/NDF:4169898.2/40

Out: 237.206+/-0.035 χ^2/NDF:8270382.4/45

All: 250.630+/-0.026 χ^2/NDF: 12762061.9/86

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

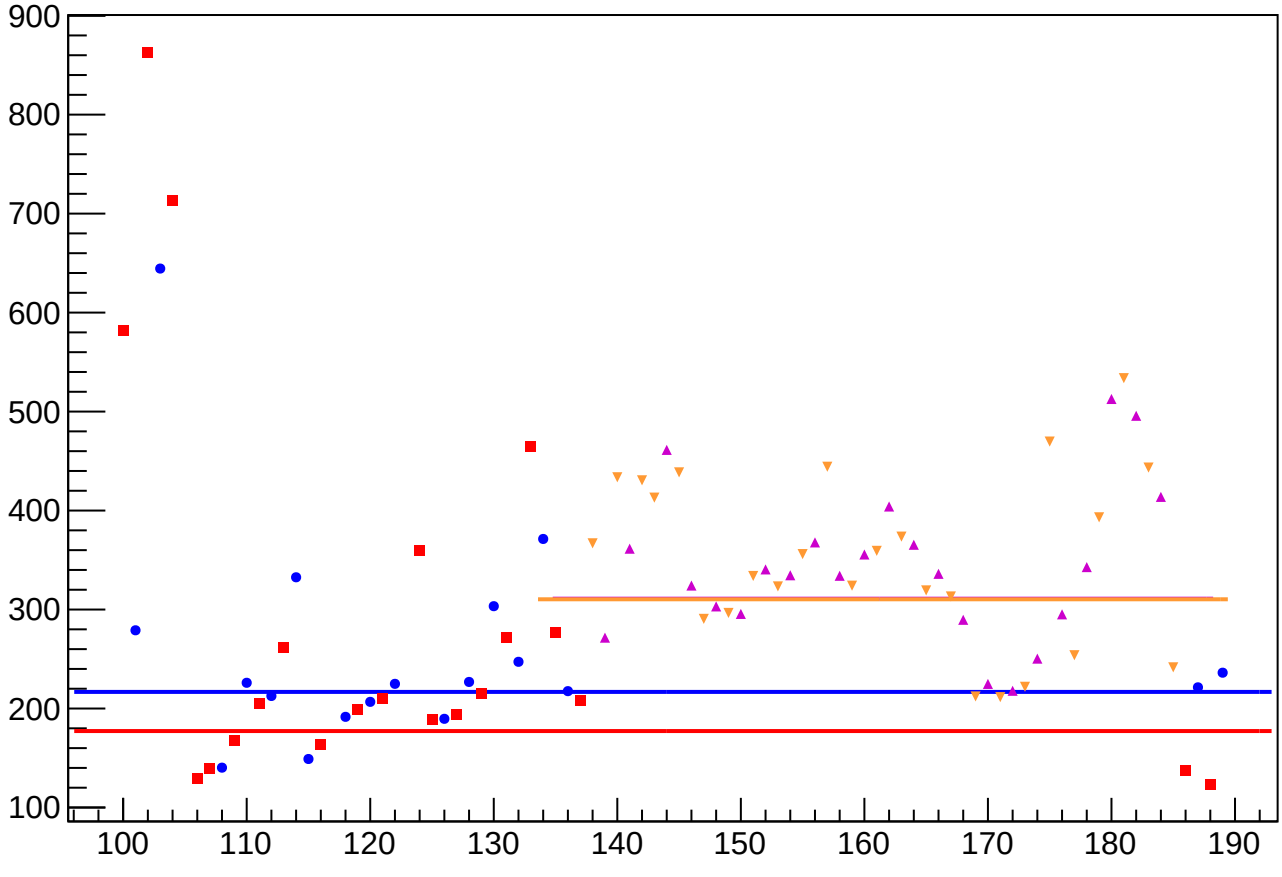
Right: -0.007+/-0.052 χ^2/NDF: 44.0/38

In: -0.091+/-0.056 χ^2/NDF:44.5/40

Out: 0.035+/-0.050 χ^2/NDF:55.9/45

All: -0.021+/-0.037 χ^2/NDF: 103.3/86

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 216.789+/-0.058 χ^2/NDF: 1155417.1/17

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 177.244+/-0.048 χ^2/NDF: 2414026.6/20

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

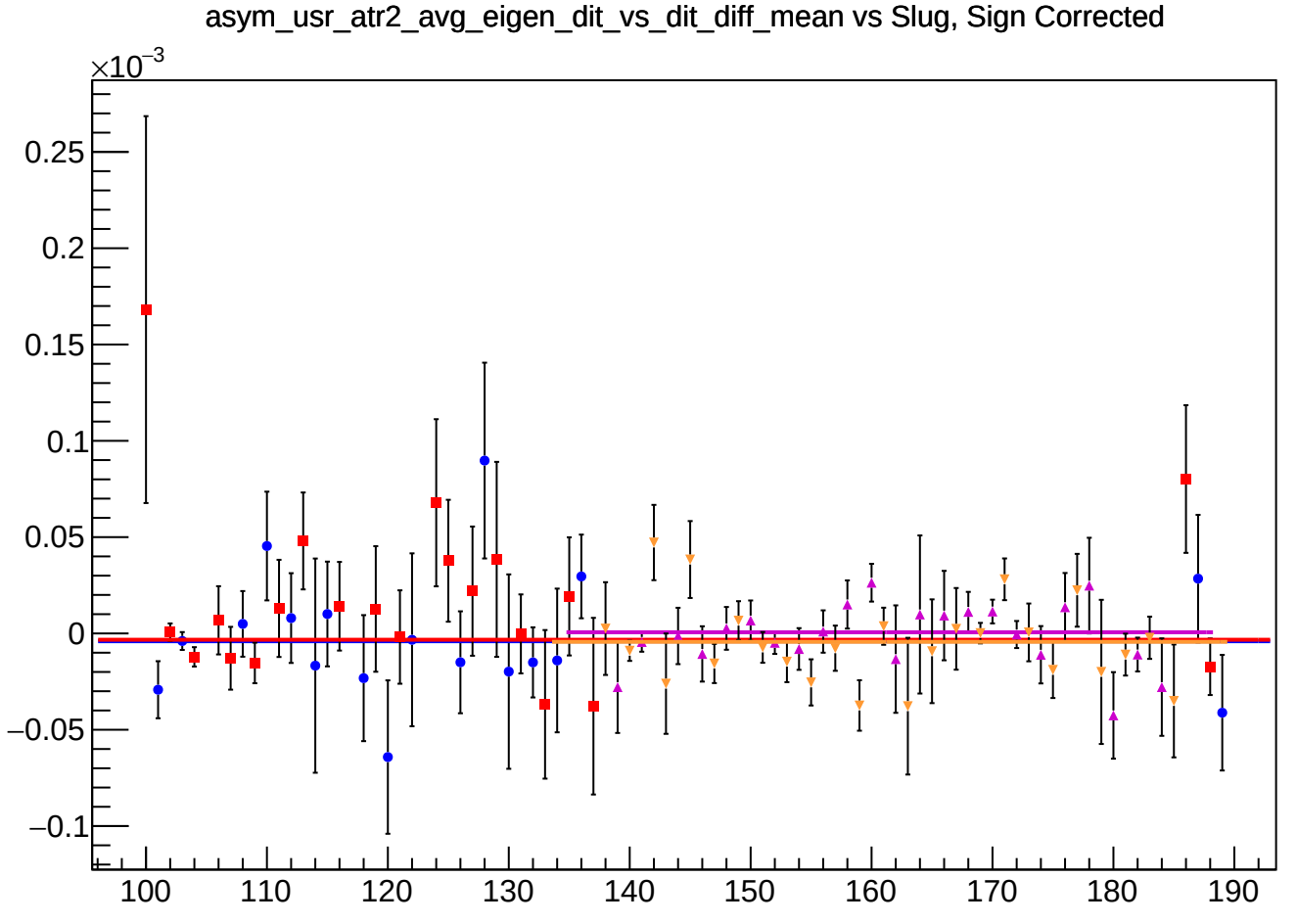
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

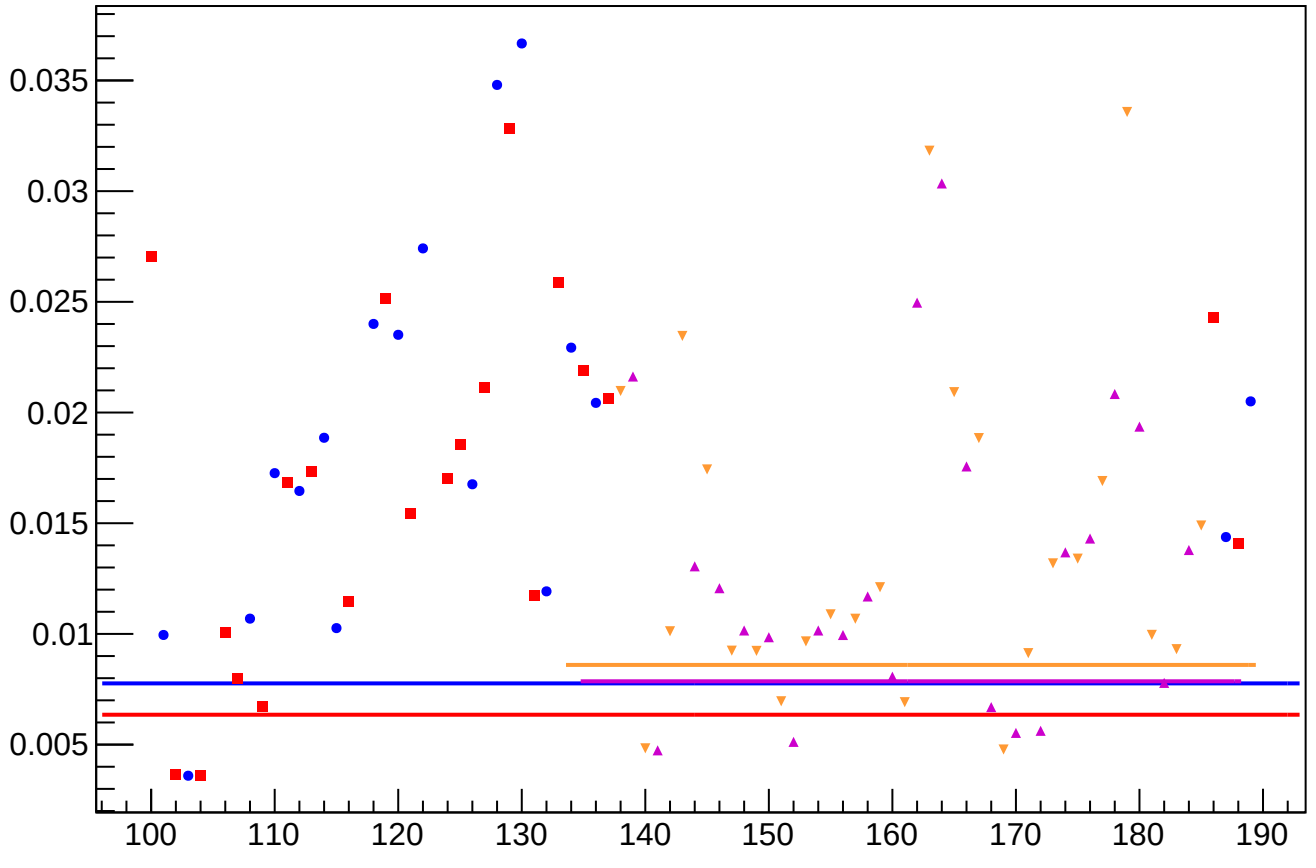
Right: 193.240+/-0.037 χ^2/NDF: 3846287.6/38

In: 267.303+/-0.039 χ^2/NDF:4169898.2/40

Out: 237.206+/-0.035 χ^2/NDF:8270382.4/45

All: 250.630+/-0.026 χ^2/NDF: 12762061.9/86


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.4/17
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/20
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 45.8/38
In: -0.000+/-0.000 χ²/NDF:46.2/40
Out: -0.000+/-0.000 χ²/NDF:69.7/45
All: -0.000+/-0.000 χ²/NDF: 117.6/86



Right In: 0.008+/-0.000 χ^2/NDF: 6527987.9/17

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6963639.9/20

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

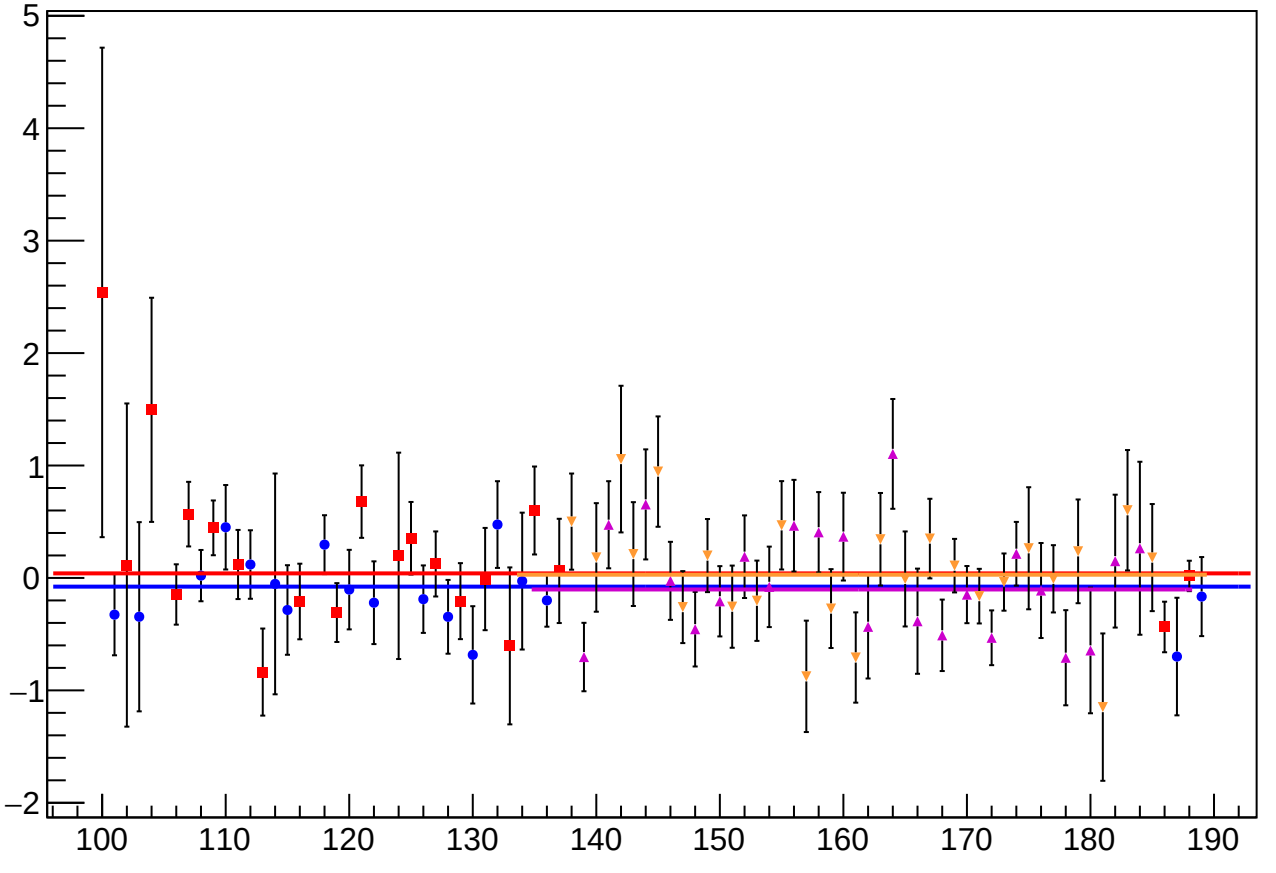
Right: 0.007+/-0.000 χ^2/NDF: 13673862.9/38

In: 0.008+/-0.000 χ^2/NDF:13308772.1/40

Out: 0.008+/-0.000 χ^2/NDF:15390922.8/45

All: 0.008+/-0.000 χ^2/NDF: 28703100.7/86

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

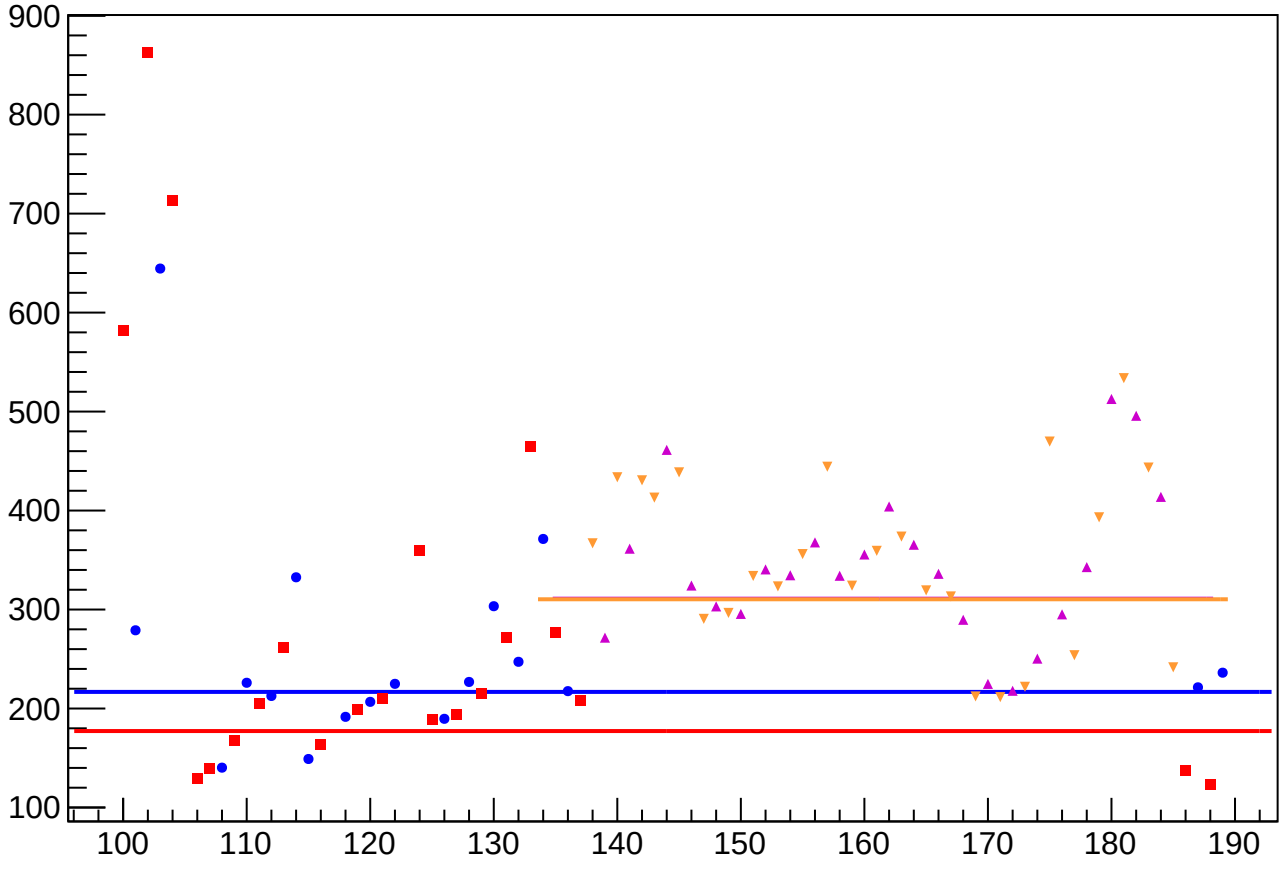
Right: -0.007+/-0.052 χ^2/NDF: 44.0/38

In: -0.091+/-0.056 χ^2/NDF:44.5/40

Out: 0.035+/-0.050 χ^2/NDF:55.9/45

All: -0.021+/-0.037 χ^2/NDF: 103.3/86

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 216.788+/-0.058 χ^2/NDF: 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 177.241+/-0.048 χ^2/NDF: 2414059.7/20

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

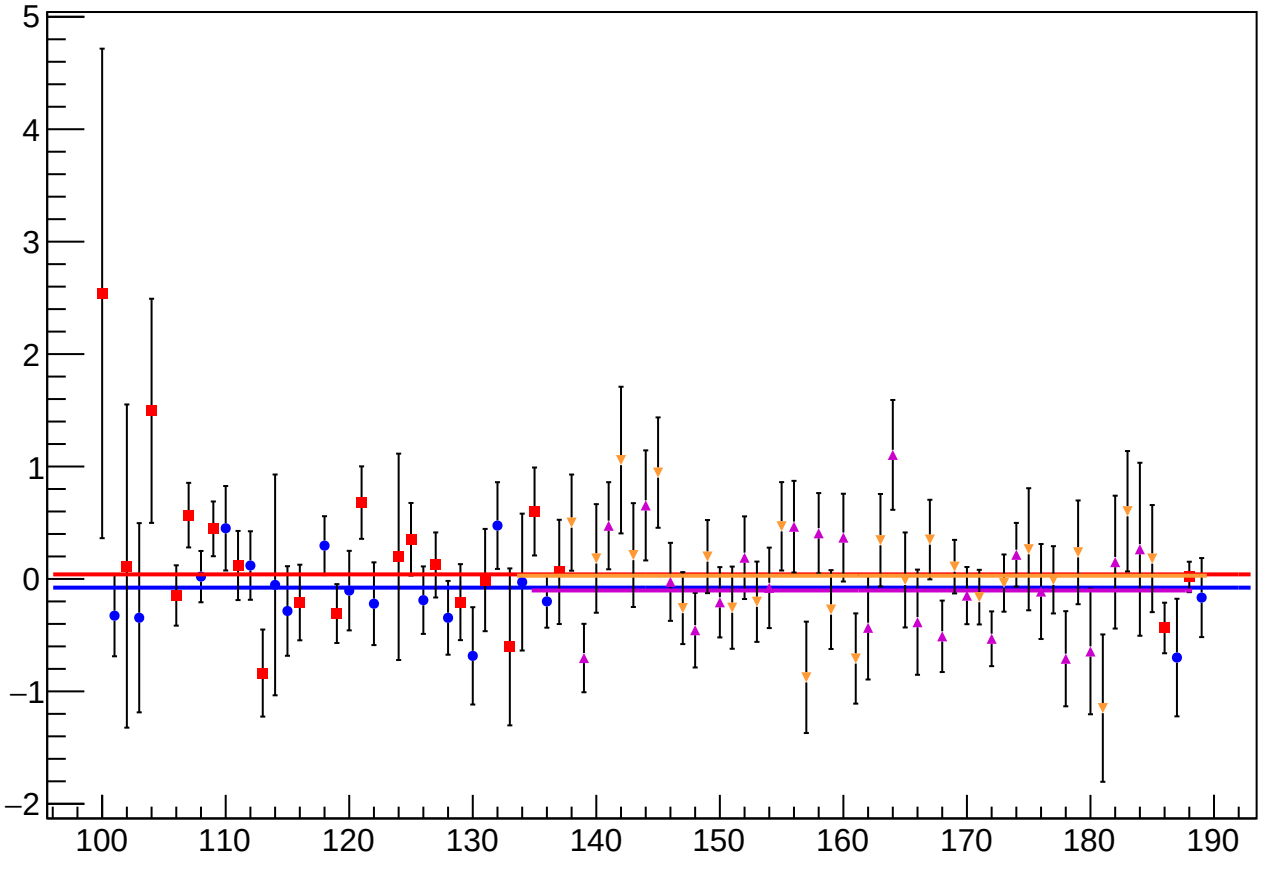
Right: 193.238+/-0.037 χ^2/NDF: 3846323.2/38

In: 267.304+/-0.039 χ^2/NDF:4170030.8/40

Out: 237.204+/-0.035 χ^2/NDF:8270779.5/45

All: 250.630+/-0.026 χ^2/NDF: 12762634.9/86

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.077+/-0.082 χ^2/NDF: 12.2/17

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

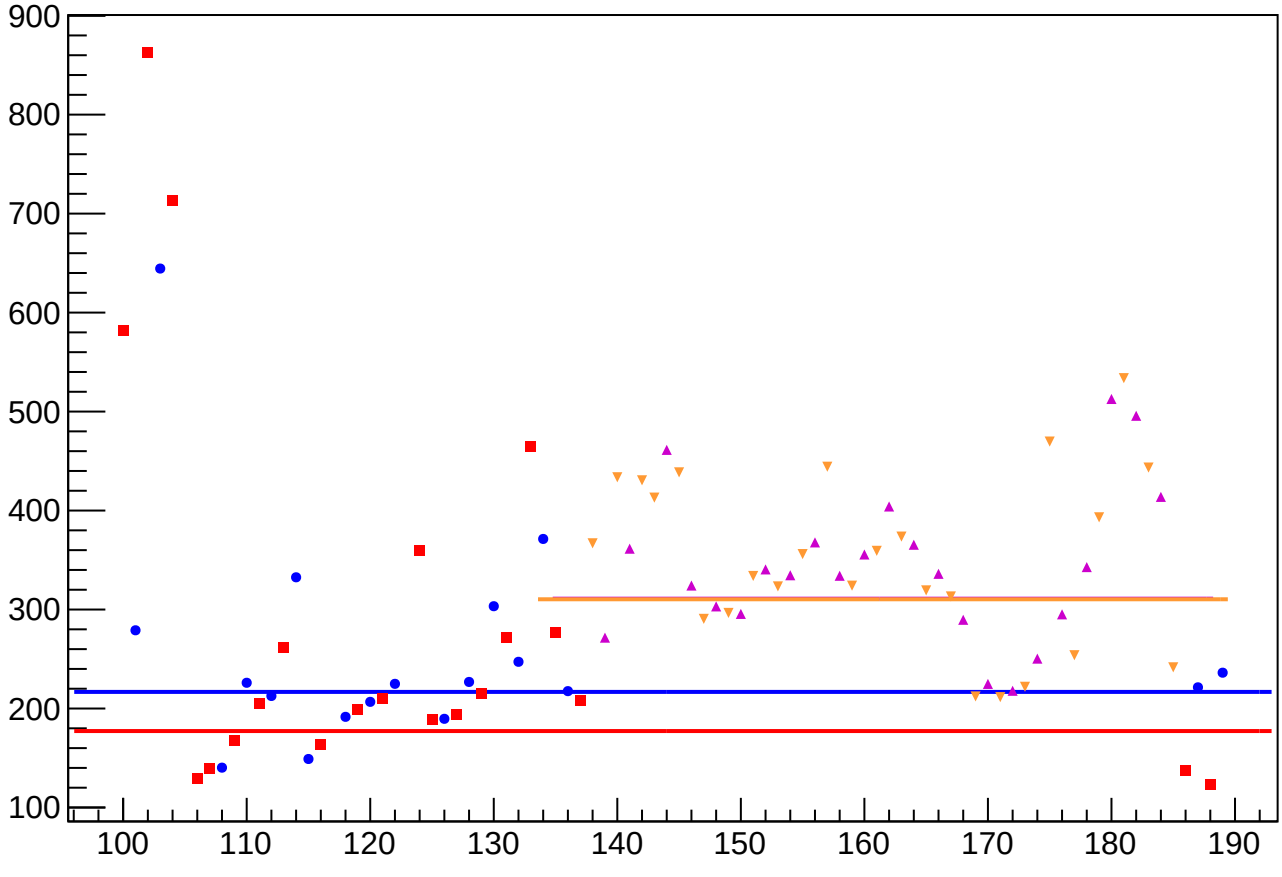
Right: -0.007+/-0.052 χ^2/NDF: 44.0/38

In: -0.091+/-0.056 χ^2/NDF:44.5/40

Out: 0.035+/-0.050 χ^2/NDF:55.9/45

All: -0.021+/-0.037 χ^2/NDF: 103.3/86

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 216.788+/-0.058 χ^2/NDF: 1155392.9/17

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 177.241+/-0.048 χ^2/NDF: 2414059.7/20

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

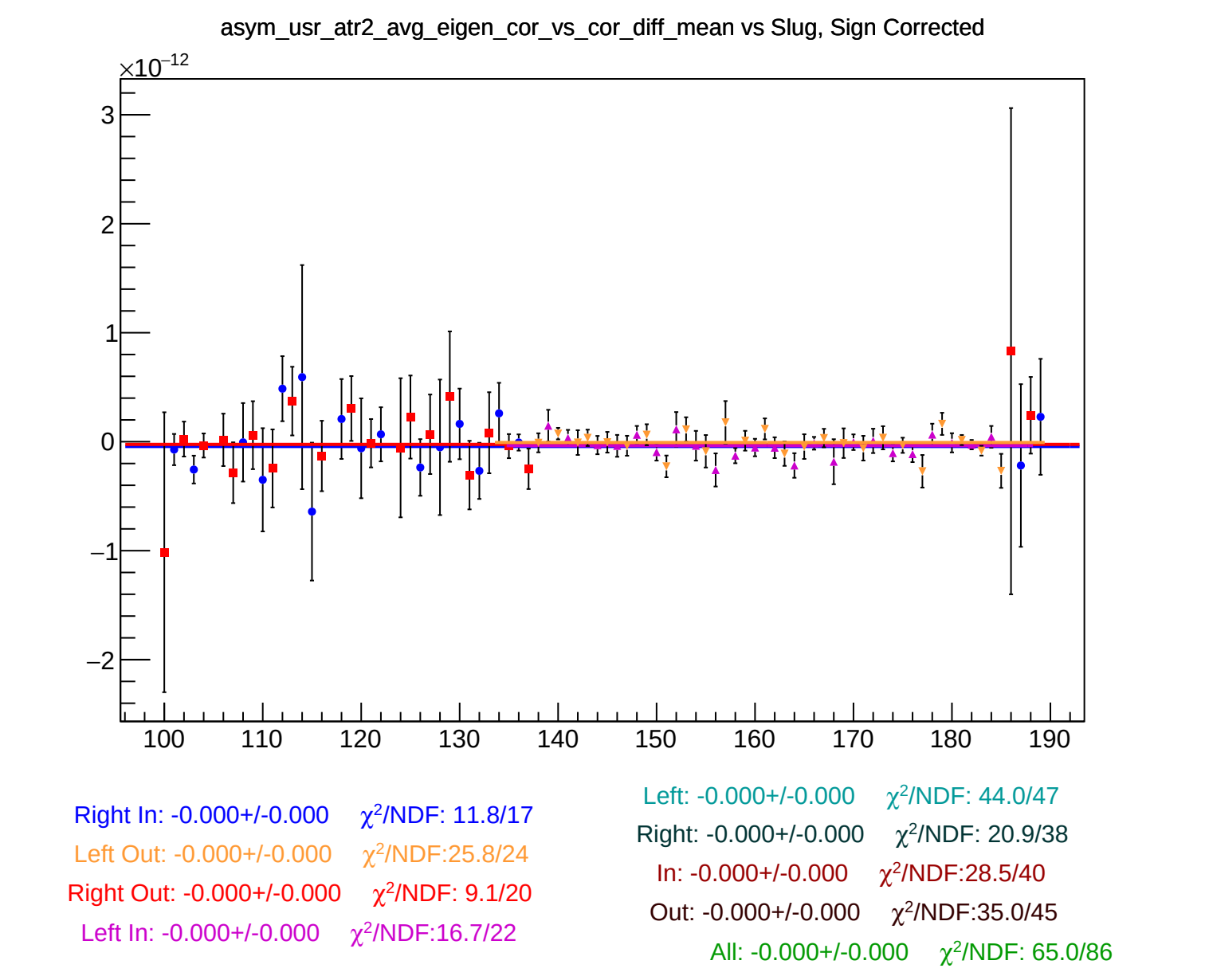
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

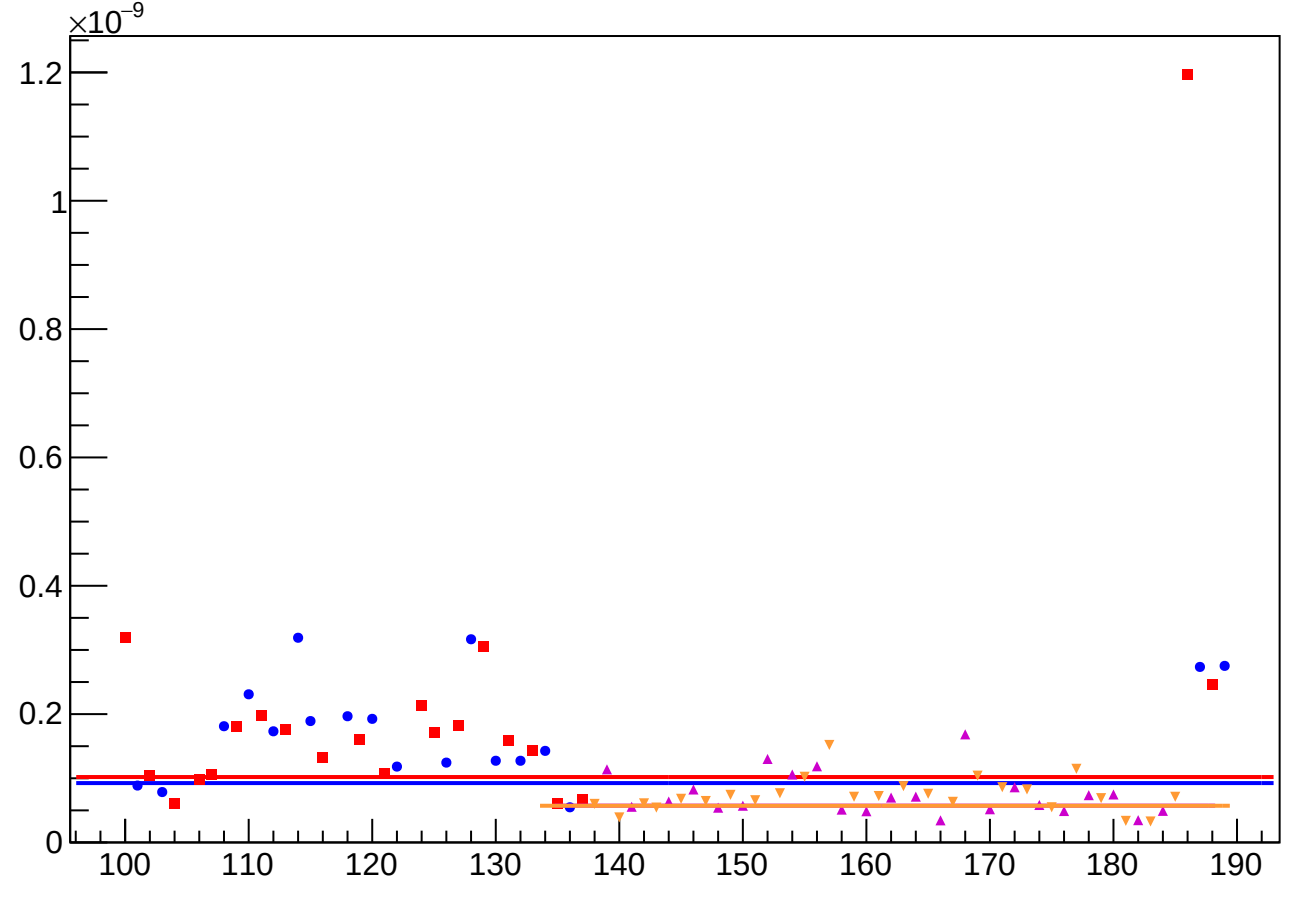
Right: 193.238+/-0.037 χ^2/NDF: 3846323.2/38

In: 267.304+/-0.039 χ^2/NDF:4170030.8/40

Out: 237.204+/-0.035 χ^2/NDF:8270779.5/45

All: 250.630+/-0.026 χ^2/NDF: 12762634.9/86


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.8/17
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 9.1/20
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: 20.9/38
In: -0.000+/-0.000 χ²/NDF:28.5/40
Out: -0.000+/-0.000 χ²/NDF:35.0/45
All: -0.000+/-0.000 χ²/NDF: 65.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 2166217.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2523572.9/20

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

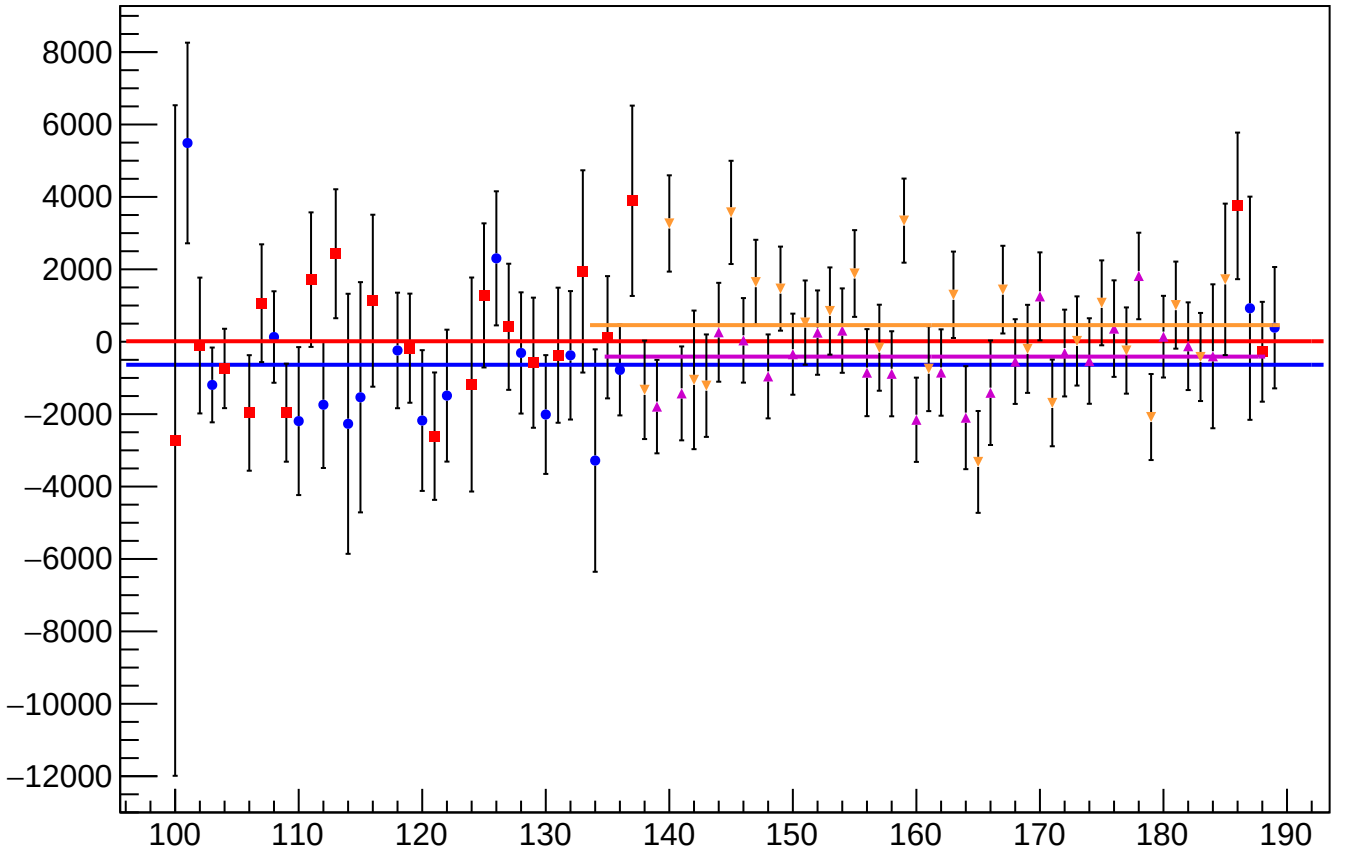
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4724511.4/38

In: 0.000+/-0.000 χ^2/NDF:6358450.0/40

Out: 0.000+/-0.000 χ^2/NDF:7222378.9/45

All: 0.000+/-0.000 χ^2/NDF: 13581384.1/86



Right In: -636.140+/-410.443 χ^2/NDF: 12.4/17

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 13.535+/-386.990 χ^2/NDF: 16.7/20

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

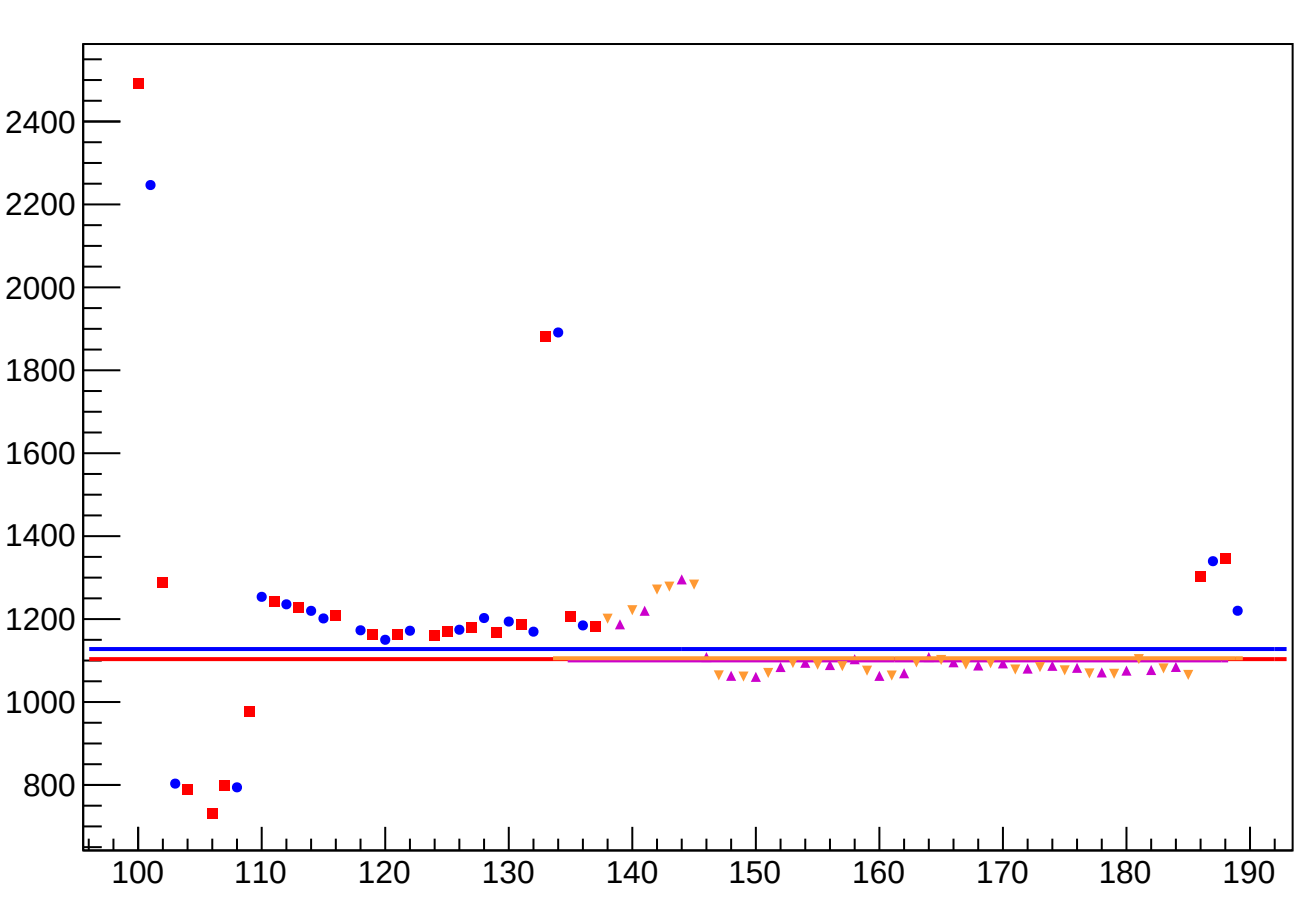
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -292.212+/-281.570 χ^2/NDF: 30.4/38

In: -474.669+/-217.945 χ^2/NDF:26.3/40

Out: 326.543+/-210.902 χ^2/NDF:59.7/45

All: -60.908+/-151.559 χ^2/NDF: 92.9/86



Right In: 1127.762+/-0.290 χ^2/NDF: 836467.7/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1103.443+/-0.272 χ^2/NDF: 740873.4/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

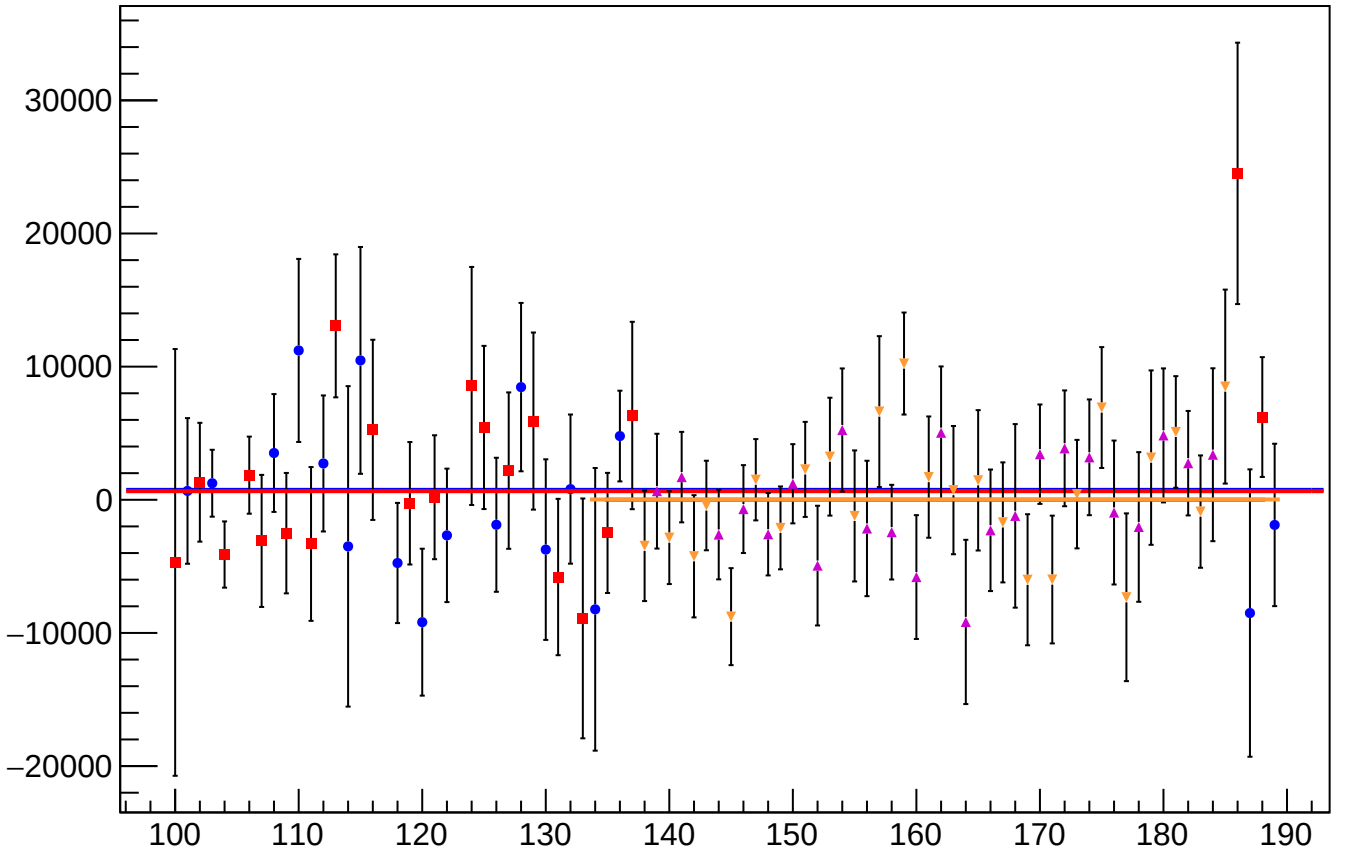
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1114.798+/-0.198 χ^2/NDF: 1581083.8/38

In: 1108.079+/-0.154 χ^2/NDF:923113.6/40

Out: 1104.917+/-0.149 χ^2/NDF:862865.5/45

All: 1106.443+/-0.107 χ^2/NDF: 1786197.0/86



Right In: 745.410+/-1200.811 χ^2/NDF: 14.8/17

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 645.895+/-1074.738 χ^2/NDF: 24.3/20

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

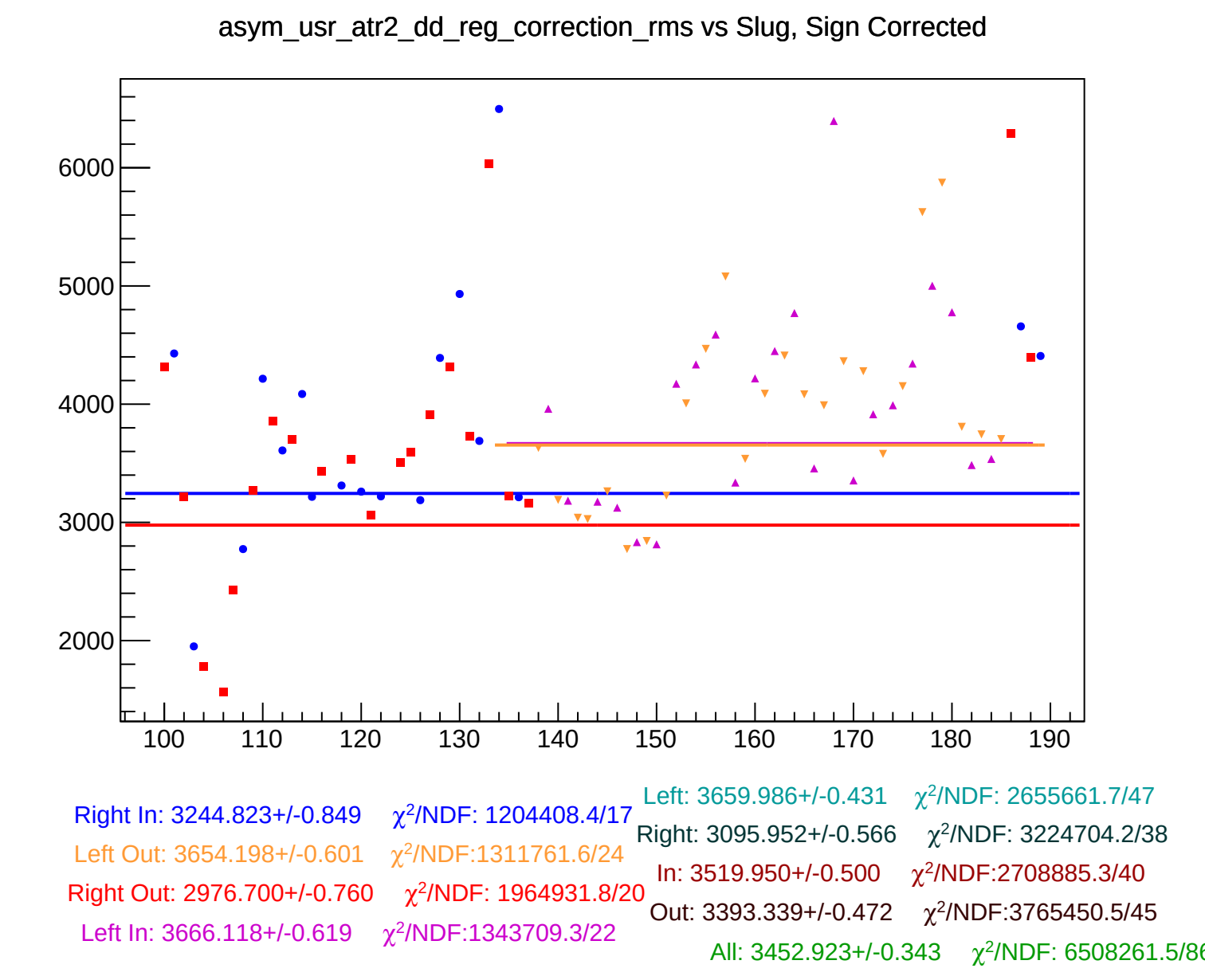
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

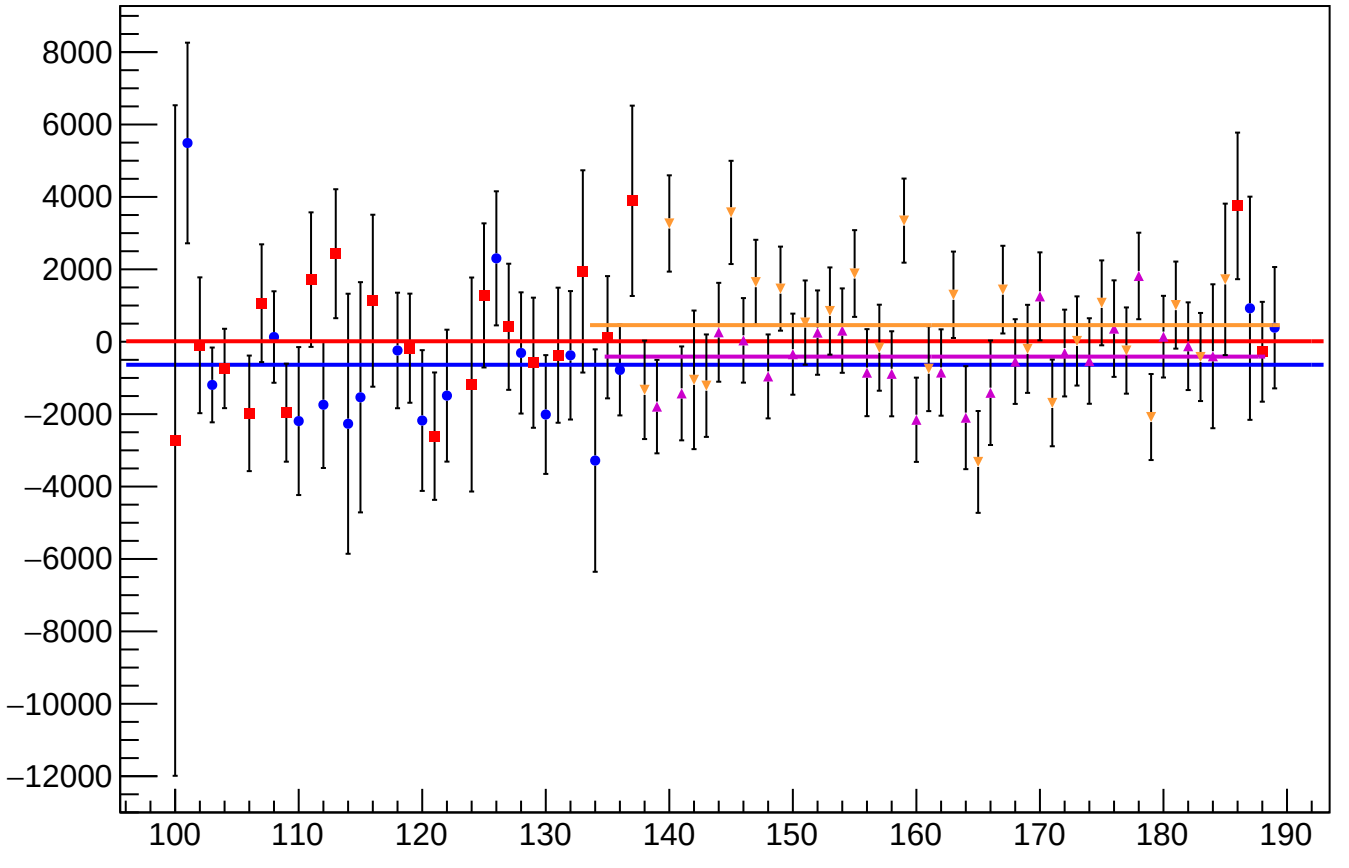
Right: 690.156+/-800.831 χ^2/NDF: 39.1/38

In: 262.745+/-707.307 χ^2/NDF:29.0/40

Out: 263.061+/-666.886 χ^2/NDF:53.0/45

All: 262.913+/-485.220 χ^2/NDF: 82.1/86


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3244.823+/-0.849 χ²/NDF: 1204408.4/17
Left Out: 3654.198+/-0.601 χ²/NDF:1311761.6/24
Right Out: 2976.700+/-0.760 χ²/NDF: 1964931.8/20
Left In: 3666.118+/-0.619 χ²/NDF:1343709.3/22
Left: 3659.986+/-0.431 χ²/NDF: 2655661.7/47
Right: 3095.952+/-0.566 χ²/NDF: 3224704.2/38
In: 3519.950+/-0.500 χ²/NDF:2708885.3/40
Out: 3393.339+/-0.472 χ²/NDF:3765450.5/45
All: 3452.923+/-0.343 χ²/NDF: 6508261.5/86



Right In: -636.099+/-410.443 χ^2/NDF: 12.4/17

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 13.295+/-386.994 χ^2/NDF: 16.7/20

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

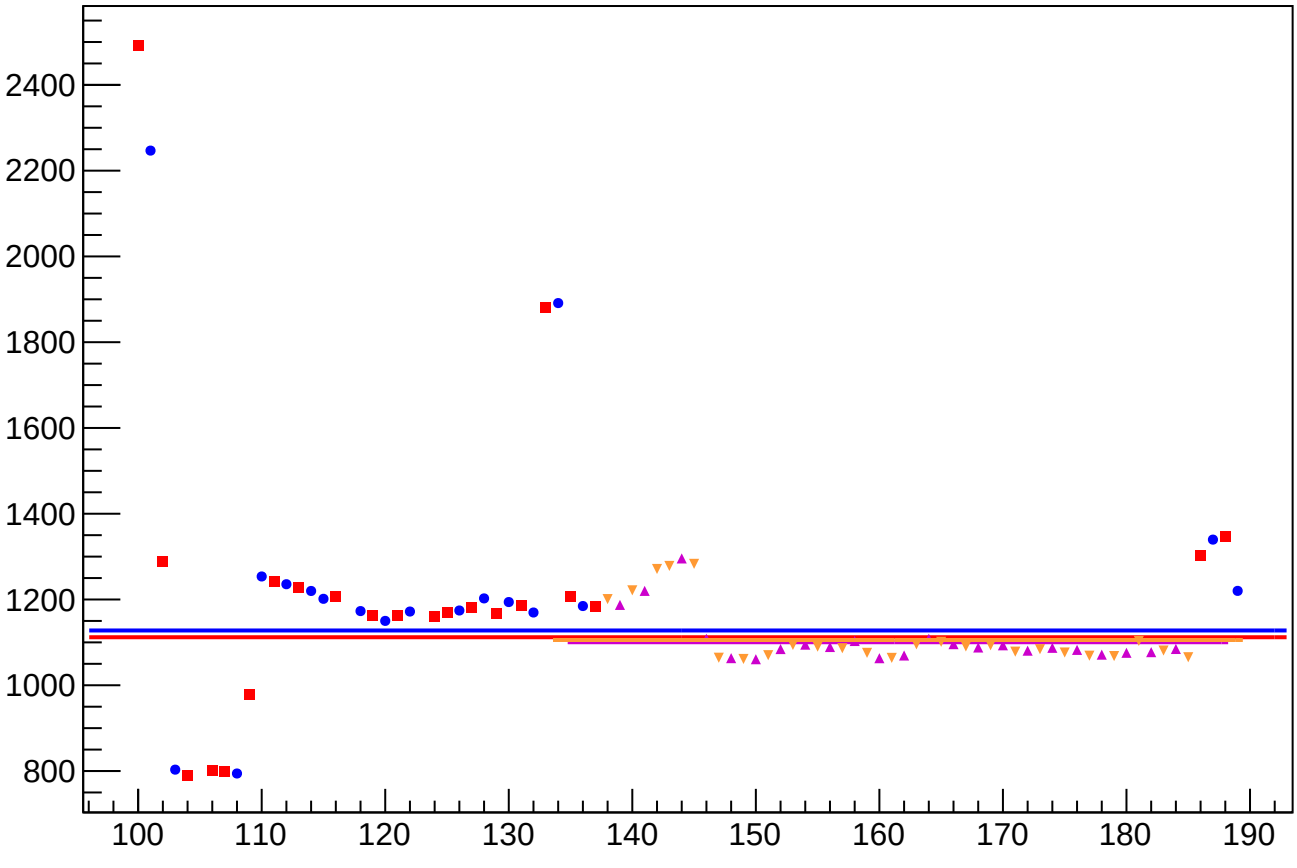
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -292.322+/-281.571 χ^2/NDF: 30.4/38

In: -474.587+/-217.945 χ^2/NDF:26.3/40

Out: 326.516+/-210.903 χ^2/NDF:59.7/45

All: -60.883+/-151.559 χ^2/NDF: 92.9/86



Right In: 1127.762+/-0.290 χ^2/NDF: 836464.1/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1111.984+/-0.273 χ^2/NDF: 679849.2/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

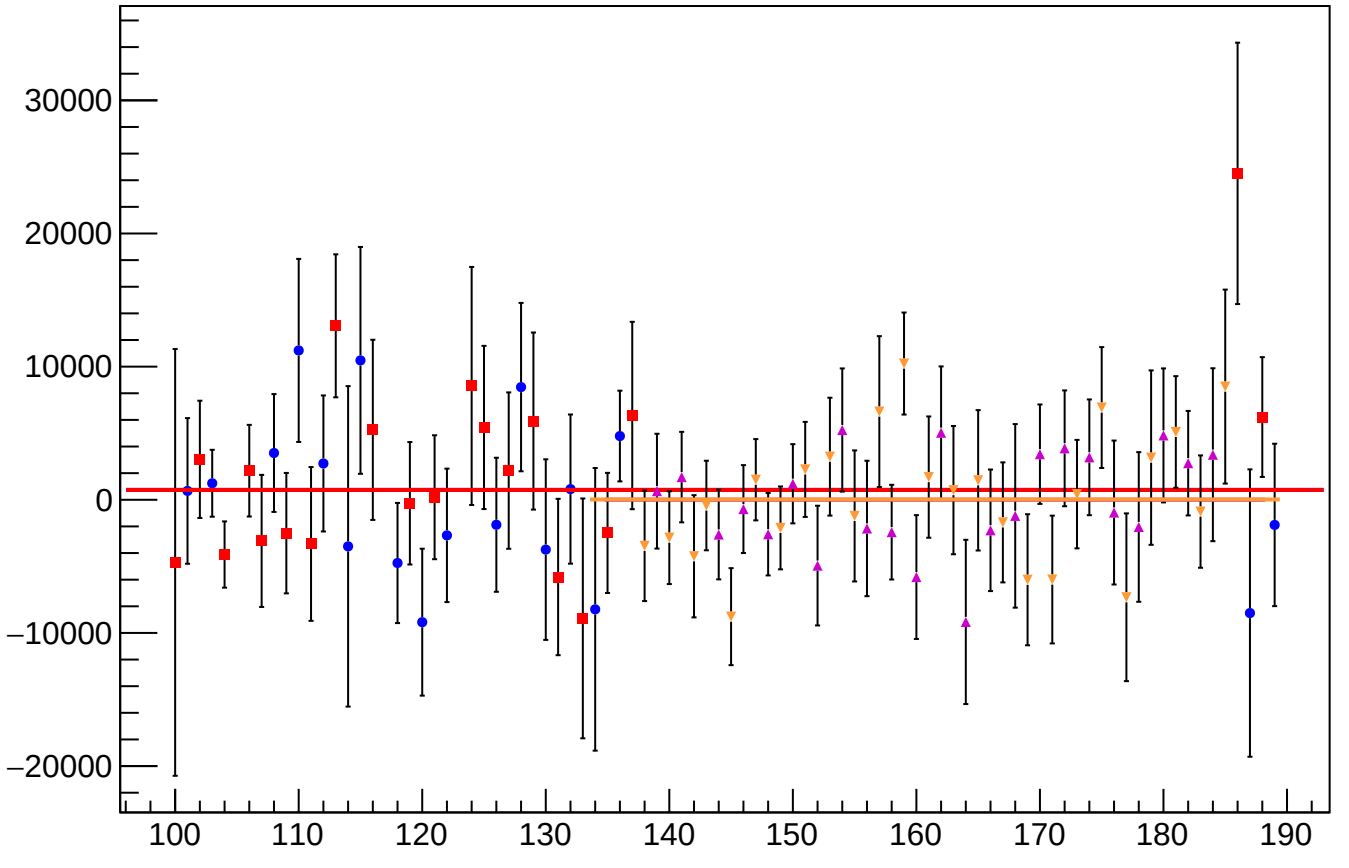
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1119.396+/-0.199 χ^2/NDF: 1517880.4/38

In: 1108.079+/-0.154 χ^2/NDF:923110.3/40

Out: 1107.465+/-0.149 χ^2/NDF:802188.8/45

All: 1107.762+/-0.107 χ^2/NDF: 1725307.4/86



Right In: 744.915+/-1200.857 χ^2/NDF: 14.8/17

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 737.083+/-1096.242 χ^2/NDF: 24.6/20

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

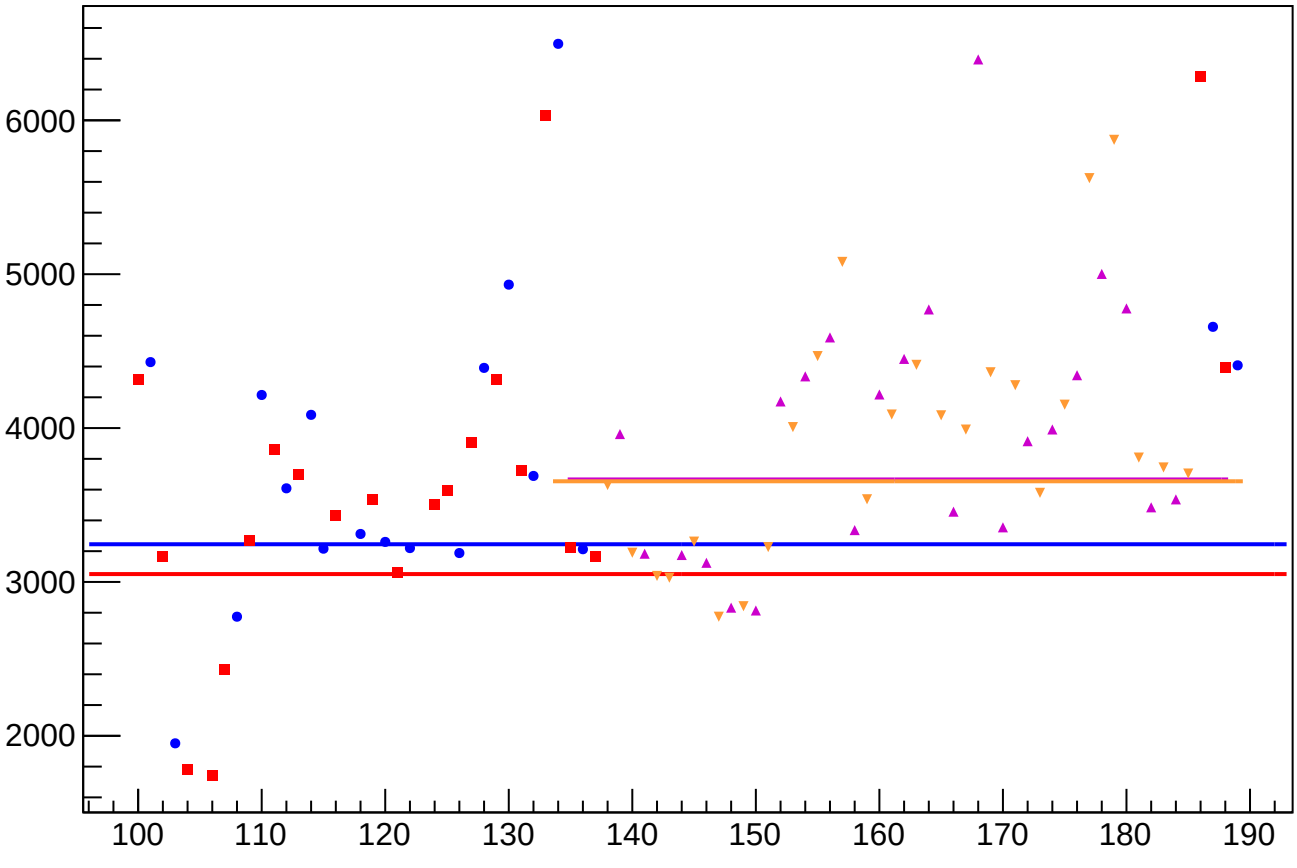
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 740.643+/-809.624 χ^2/NDF: 39.4/38

In: 262.594+/-707.316 χ^2/NDF:29.0/40

Out: 291.504+/-671.929 χ^2/NDF:53.4/45

All: 277.790+/-487.156 χ^2/NDF: 82.4/86



Right In: 3245.003+/-0.849 χ^2/NDF: 1203935.7/17

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3051.203+/-0.775 χ^2/NDF: 1734998.0/20

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

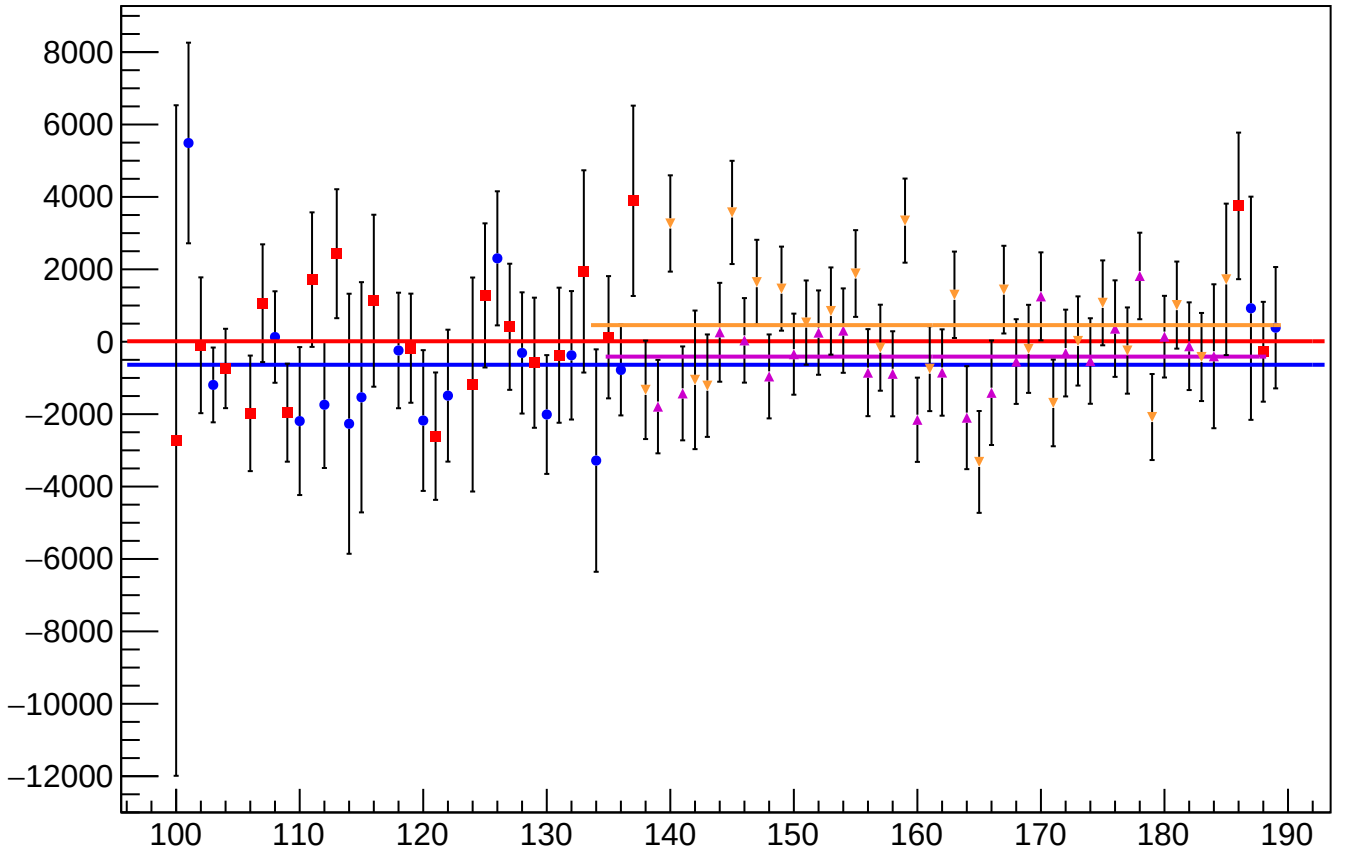
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3139.295+/-0.572 χ^2/NDF: 2967346.1/38

In: 3520.017+/-0.500 χ^2/NDF:2708267.2/40

Out: 3427.655+/-0.475 χ^2/NDF:3424546.0/45

All: 3471.468+/-0.344 χ^2/NDF: 6150739.1/86



Right In: -636.099+/-410.443 χ^2/NDF: 12.4/17

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 13.295+/-386.994 χ^2/NDF: 16.7/20

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

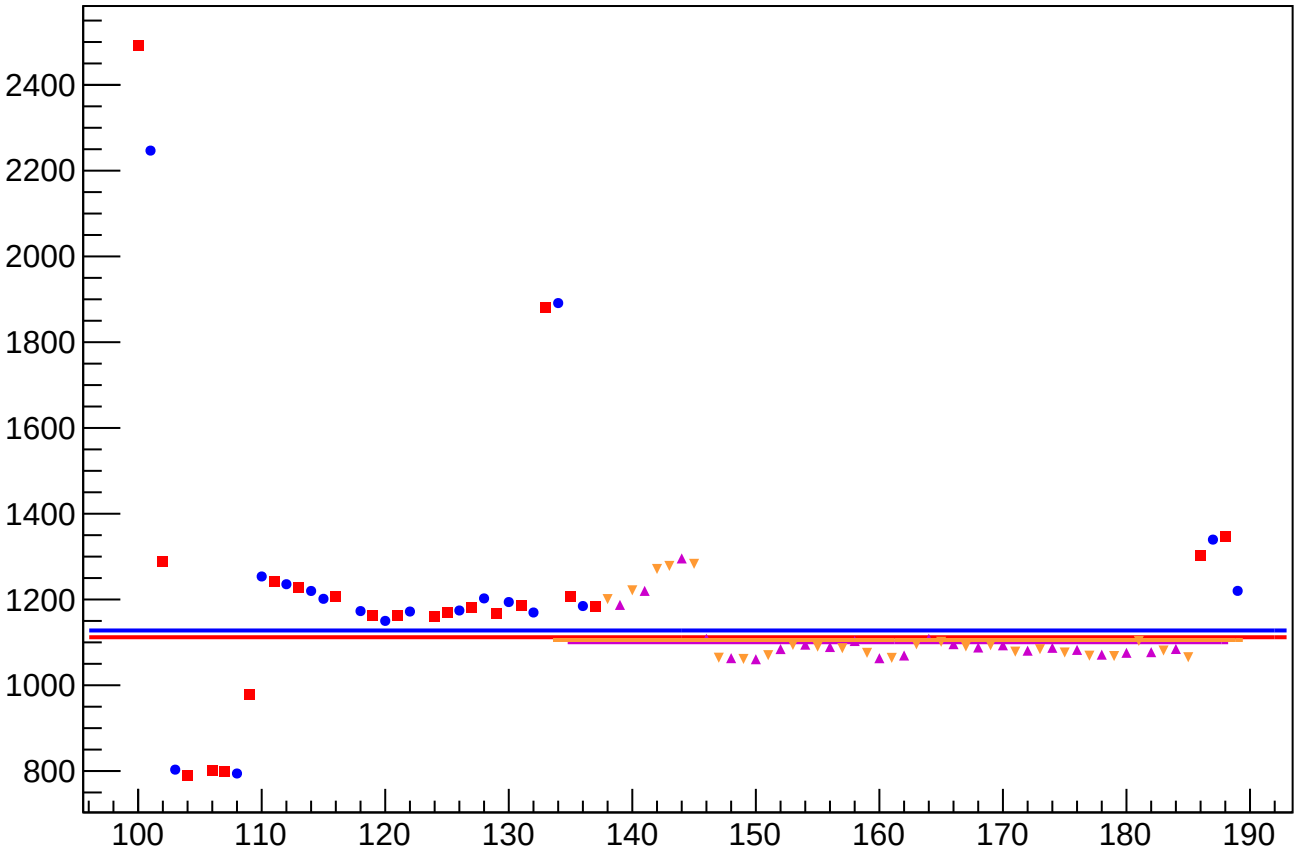
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -292.322+/-281.571 χ^2/NDF: 30.4/38

In: -474.587+/-217.945 χ^2/NDF:26.3/40

Out: 326.516+/-210.903 χ^2/NDF:59.7/45

All: -60.883+/-151.559 χ^2/NDF: 92.9/86



Right In: 1127.762+/-0.290 χ^2/NDF: 836464.1/17

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1111.984+/-0.273 χ^2/NDF: 679849.2/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

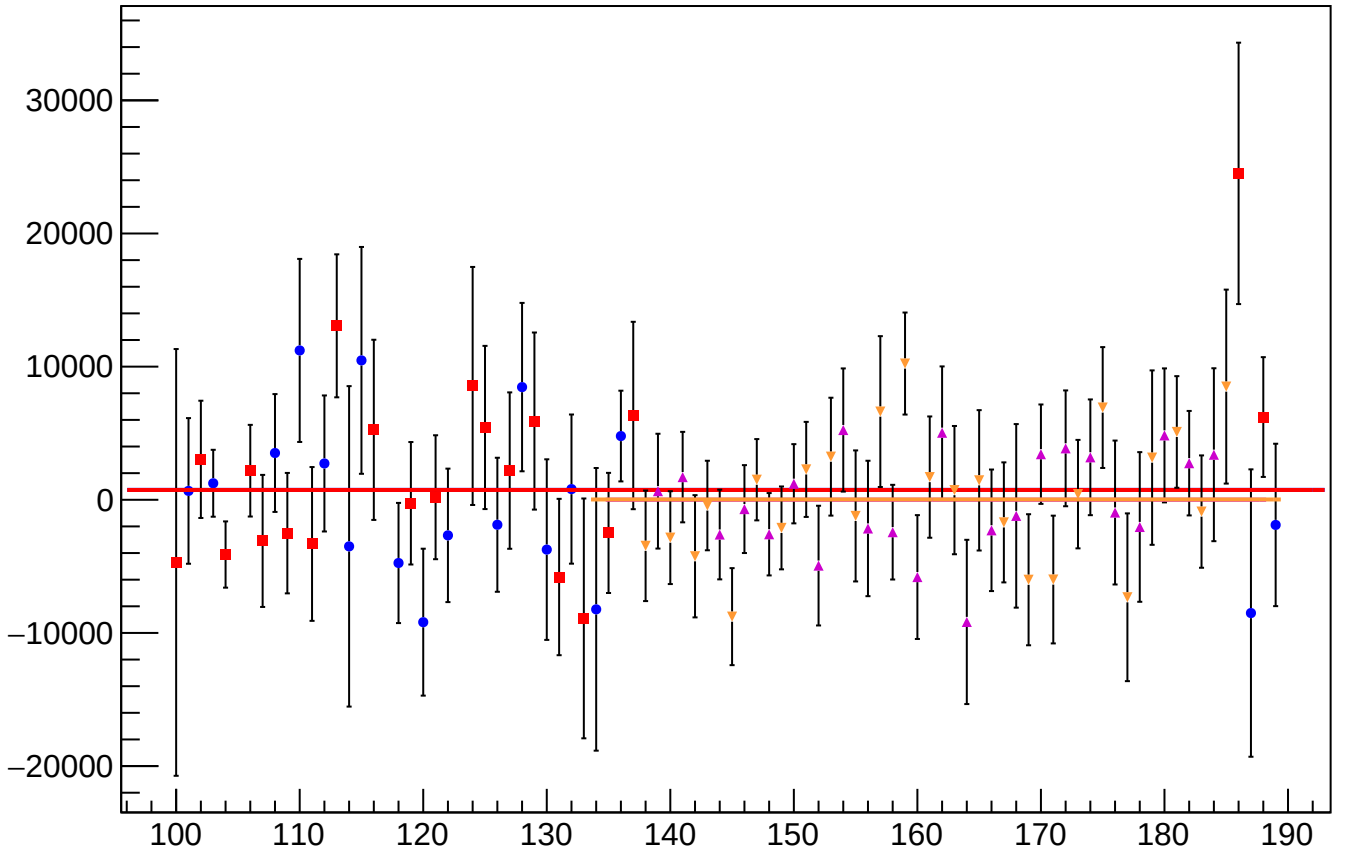
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1119.396+/-0.199 χ^2/NDF: 1517880.4/38

In: 1108.079+/-0.154 χ^2/NDF:923110.3/40

Out: 1107.465+/-0.149 χ^2/NDF:802188.8/45

All: 1107.762+/-0.107 χ^2/NDF: 1725307.4/86



Right In: 744.915+/-1200.857 χ^2/NDF: 14.8/17

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 737.083+/-1096.242 χ^2/NDF: 24.6/20

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

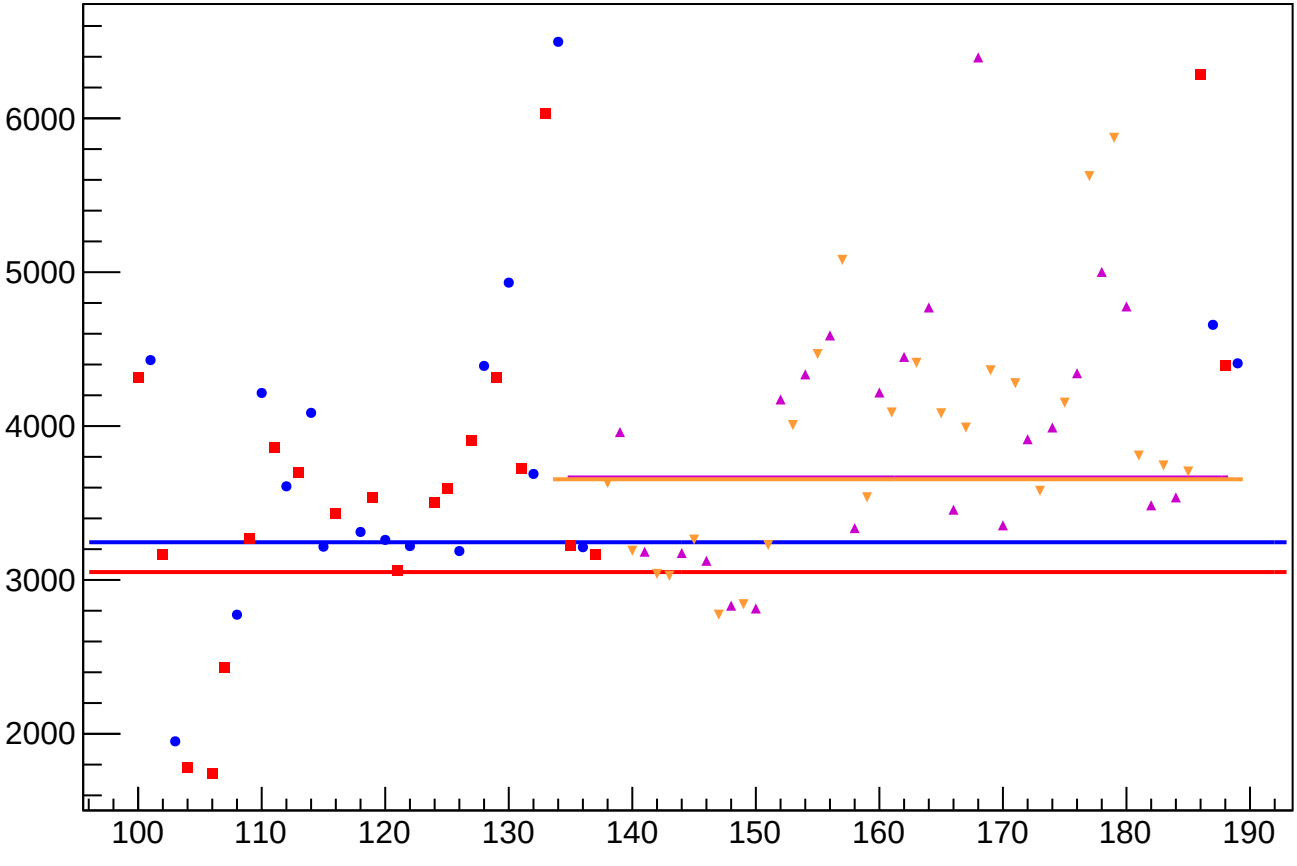
Right: 740.643+/-809.624 χ^2/NDF: 39.4/38

In: 262.594+/-707.316 χ^2/NDF:29.0/40

Out: 291.504+/-671.929 χ^2/NDF:53.4/45

All: 277.790+/-487.156 χ^2/NDF: 82.4/86

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3245.003+/-0.849 χ^2/NDF: 1203935.7/17

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3051.203+/-0.775 χ^2/NDF: 1734998.0/20

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

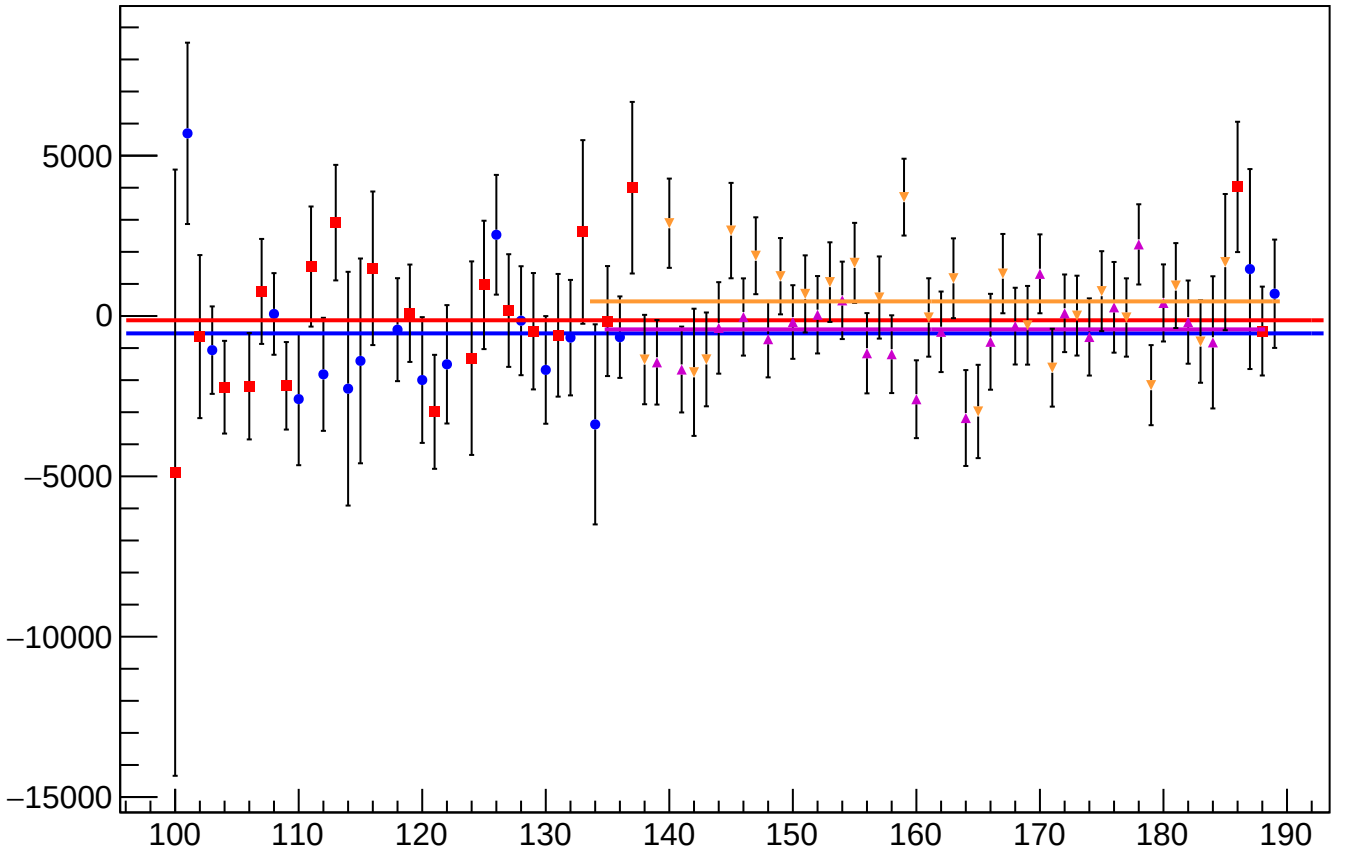
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3139.295+/-0.572 χ^2/NDF: 2967346.1/38

In: 3520.017+/-0.500 χ^2/NDF:2708267.2/40

Out: 3427.655+/-0.475 χ^2/NDF:3424546.0/45

All: 3471.468+/-0.344 χ^2/NDF: 6150739.1/86



Right In: -542.133+/-429.344 χ^2/NDF: 12.9/17

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -133.301+/-406.163 χ^2/NDF: 21.3/20

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

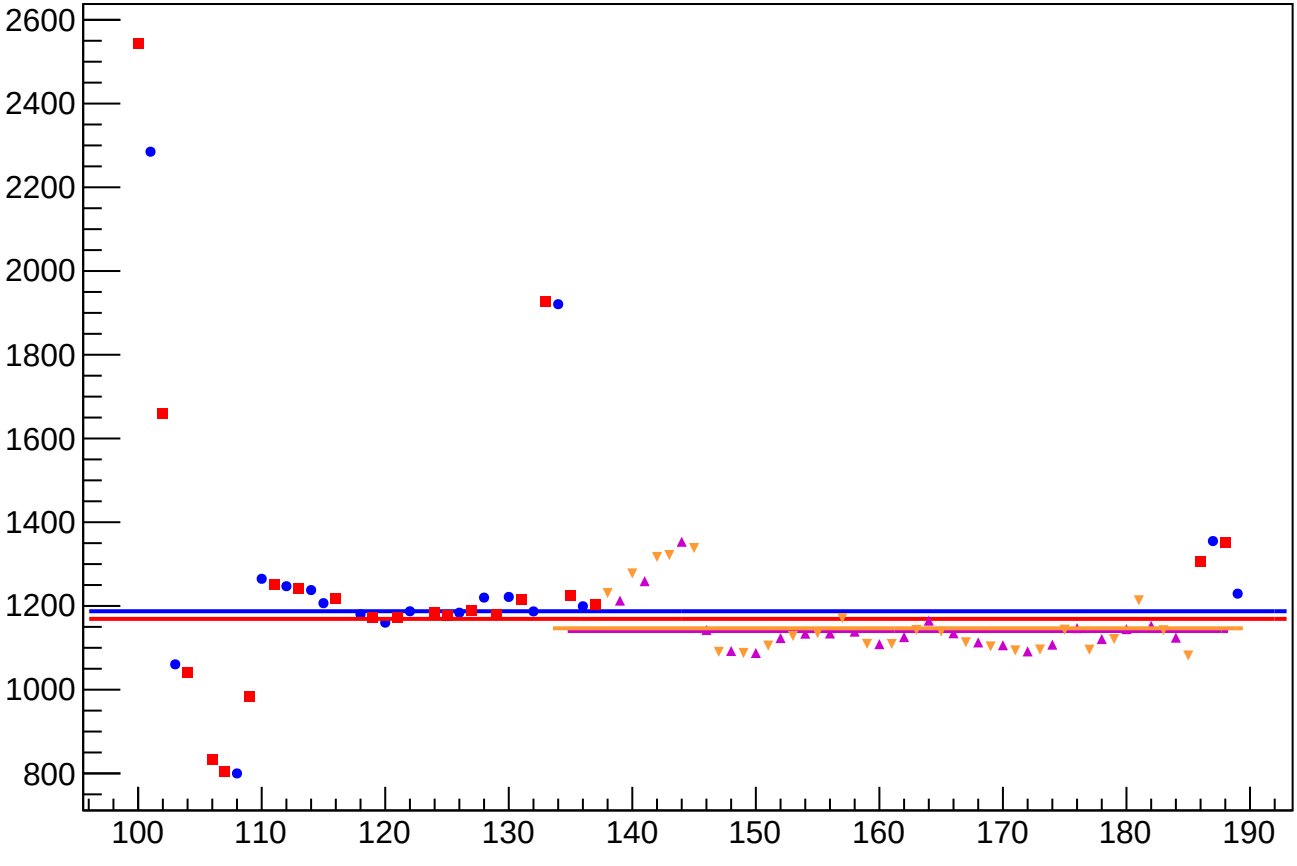
Right: -326.383+/-295.055 χ^2/NDF: 34.7/38

In: -451.965+/-226.477 χ^2/NDF:30.3/40

Out: 283.566+/-219.577 χ^2/NDF:58.9/45

All: -72.824+/-157.647 χ^2/NDF: 94.7/86

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1187.383+/-0.304 χ^2/NDF: 629303.3/17

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1169.110+/-0.287 χ^2/NDF: 548348.8/20

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

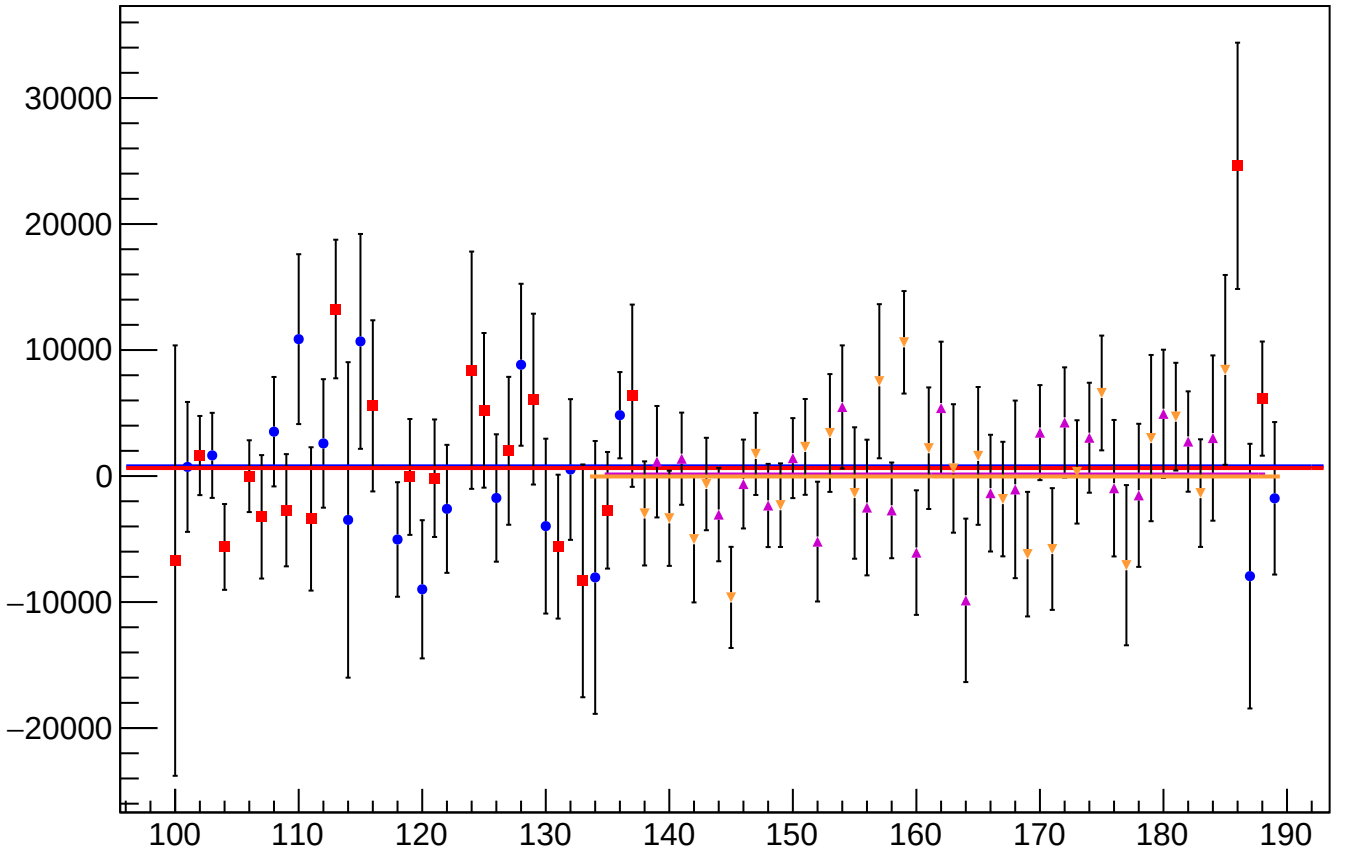
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1177.736+/-0.209 χ^2/NDF: 1179564.8/38

In: 1153.306+/-0.160 χ^2/NDF:731497.9/40

Out: 1153.192+/-0.155 χ^2/NDF:693709.4/45

All: 1153.247+/-0.111 χ^2/NDF: 1425207.6/86



Right In: 769.561+/-1264.017 χ^2/NDF: 14.8/17

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 634.299+/-1090.237 χ^2/NDF: 24.0/20

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

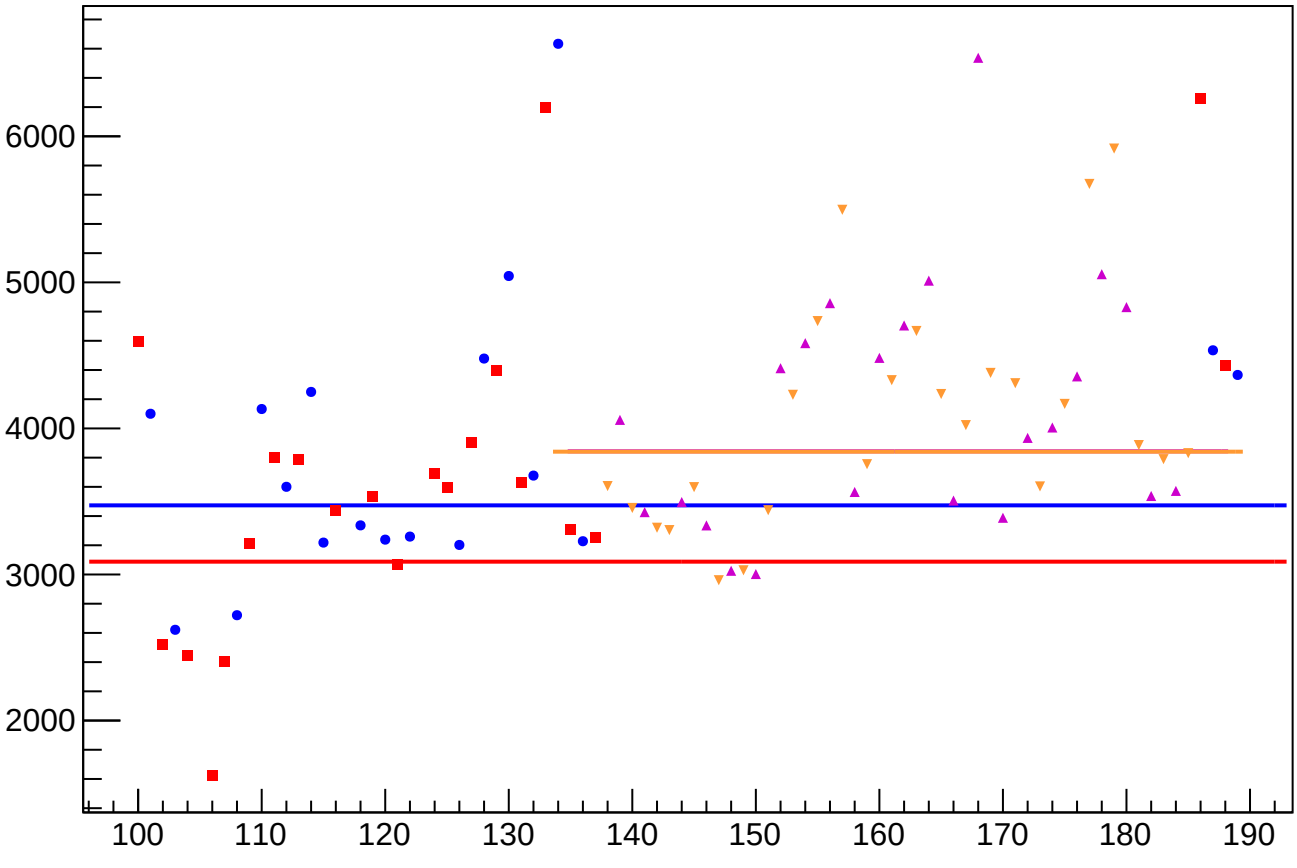
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 692.000+/-825.573 χ^2/NDF: 38.8/38

In: 344.260+/-741.566 χ^2/NDF:28.7/40

Out: 234.021+/-690.082 χ^2/NDF:52.0/45

All: 285.181+/-505.183 χ^2/NDF: 80.7/86



Right In: 3473.288+/-0.894 χ^2/NDF: 660256.4/17

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3087.789+/-0.771 χ^2/NDF: 1579665.9/20

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

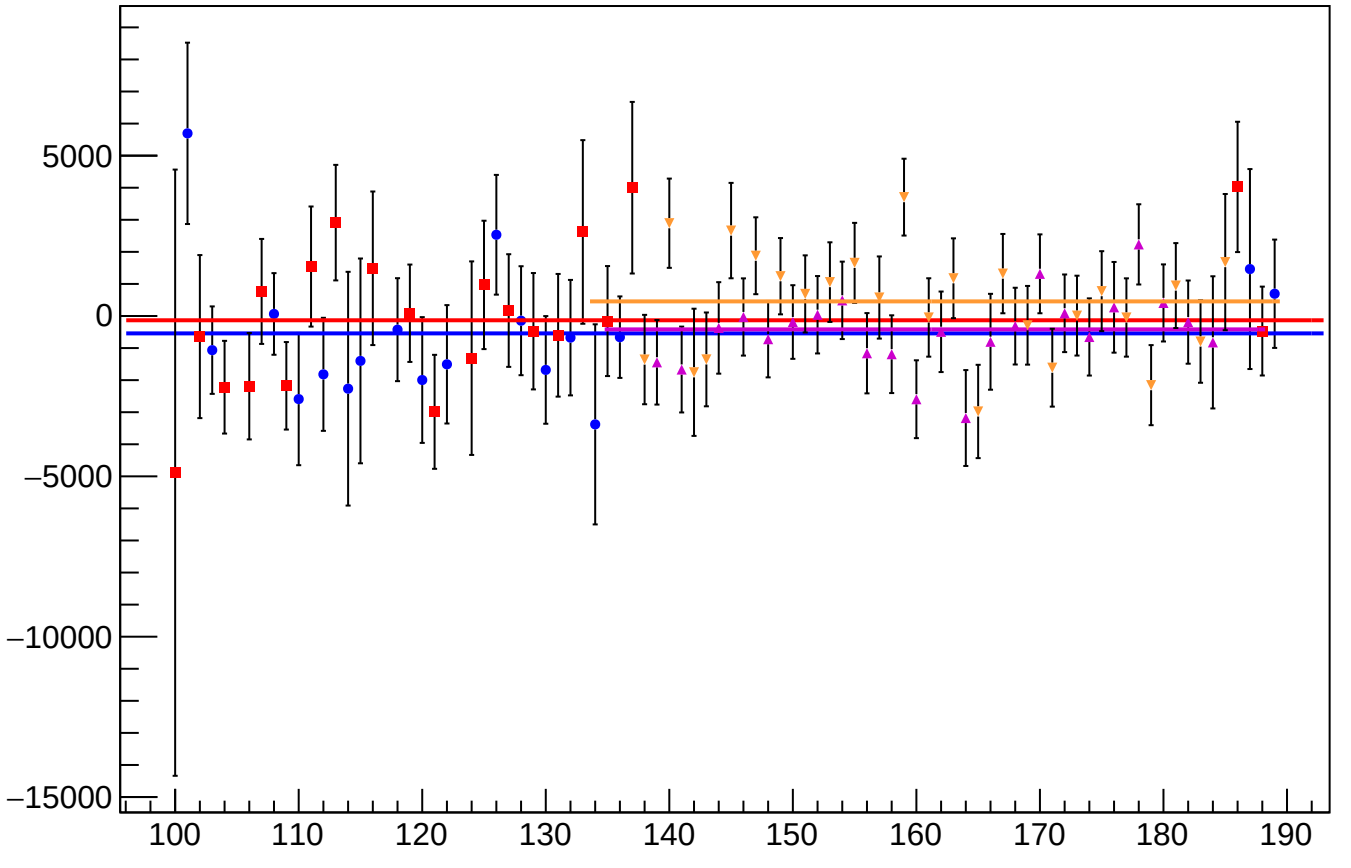
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3252.237+/-0.584 χ^2/NDF: 2346592.0/38

In: 3715.965+/-0.524 χ^2/NDF:1968723.2/40

Out: 3539.128+/-0.488 χ^2/NDF:3270219.7/45

All: 3621.196+/-0.357 χ^2/NDF: 5299892.6/86



Right In: -542.137+/-429.343 χ^2/NDF: 12.9/17

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -133.307+/-406.163 χ^2/NDF: 21.3/20

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

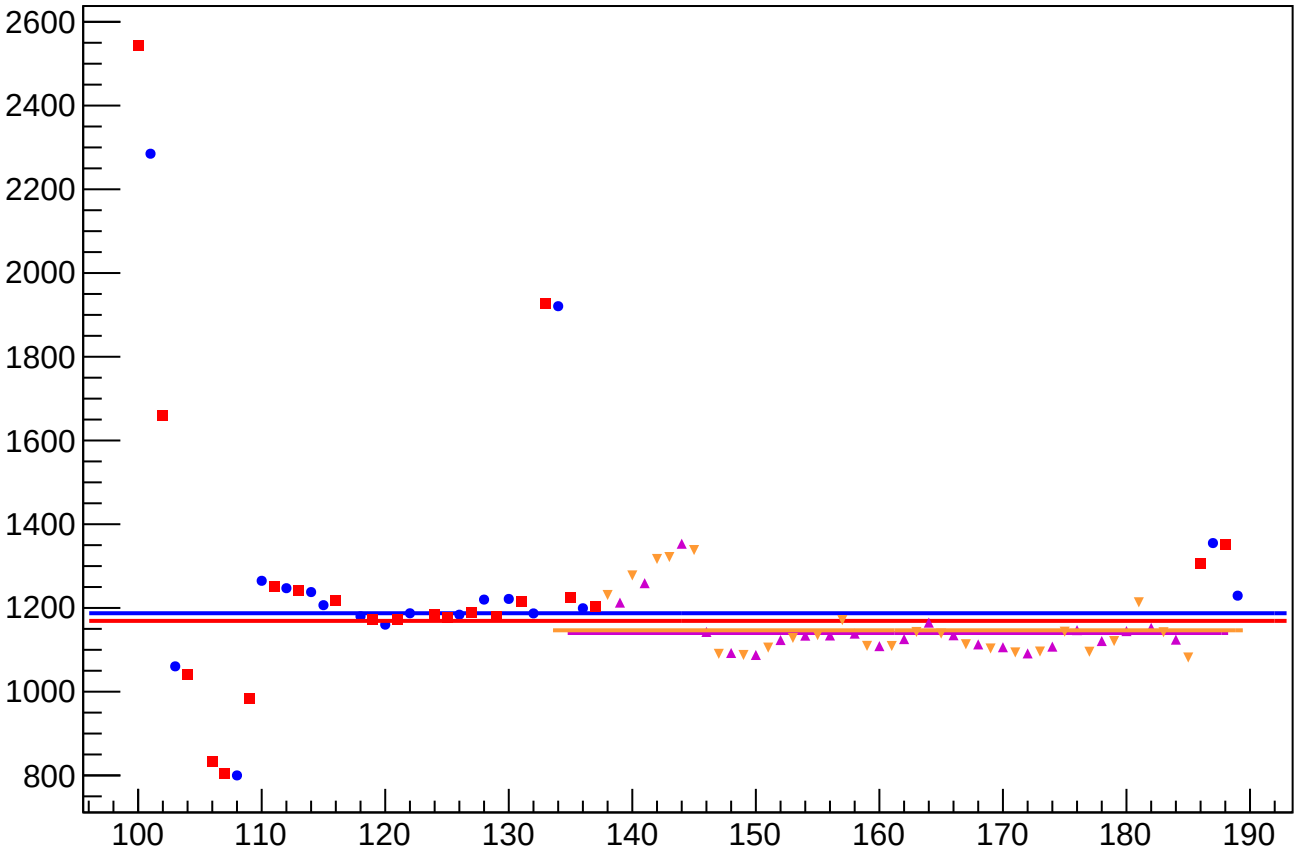
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -326.388+/-295.055 χ^2/NDF: 34.7/38

In: -451.965+/-226.477 χ^2/NDF:30.3/40

Out: 283.567+/-219.577 χ^2/NDF:58.9/45

All: -72.823+/-157.647 χ^2/NDF: 94.7/86



Right In: 1187.383+/-0.304 χ^2/NDF: 629303.5/17

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1169.110+/-0.287 χ^2/NDF: 548348.4/20

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

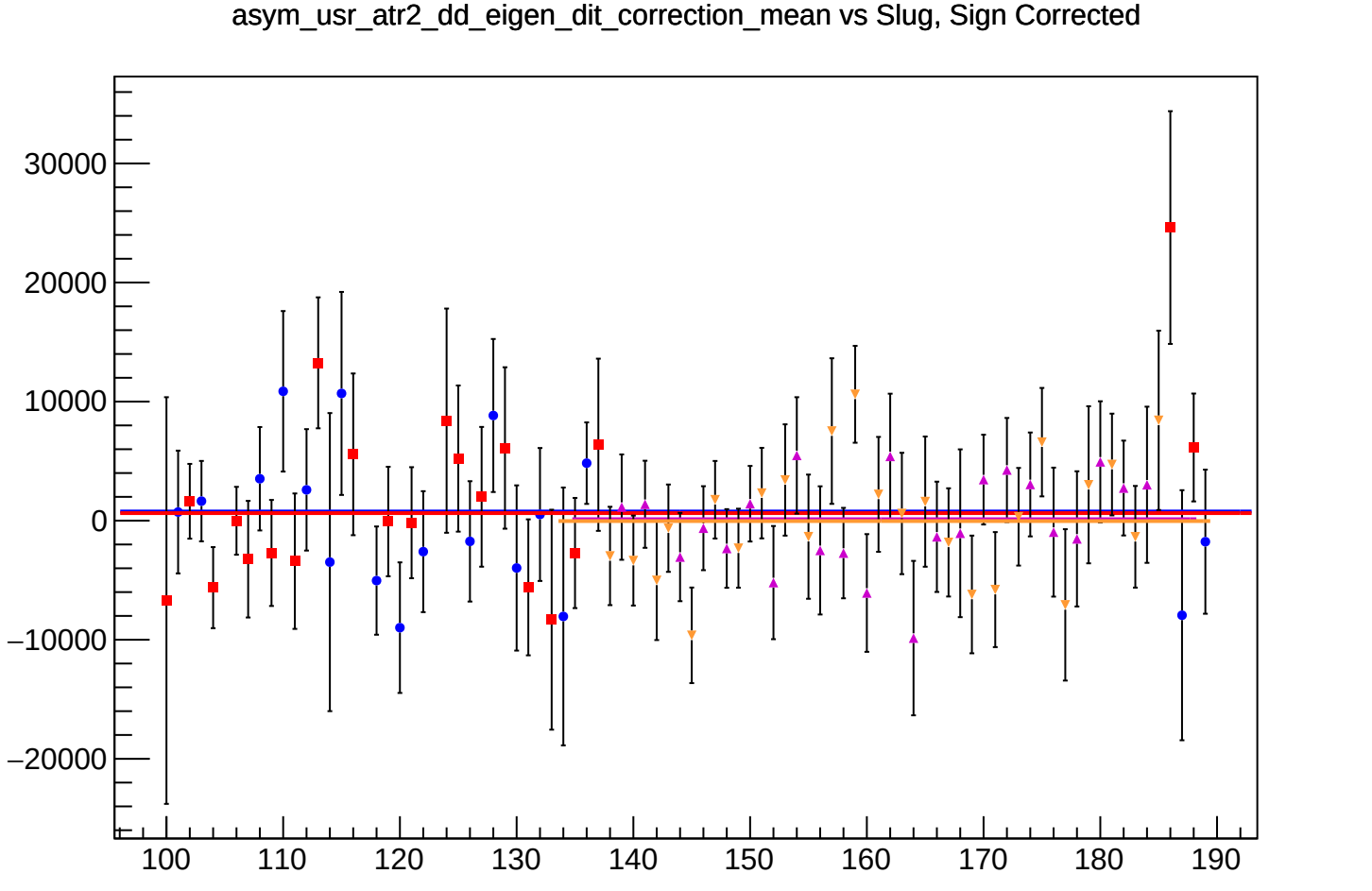
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

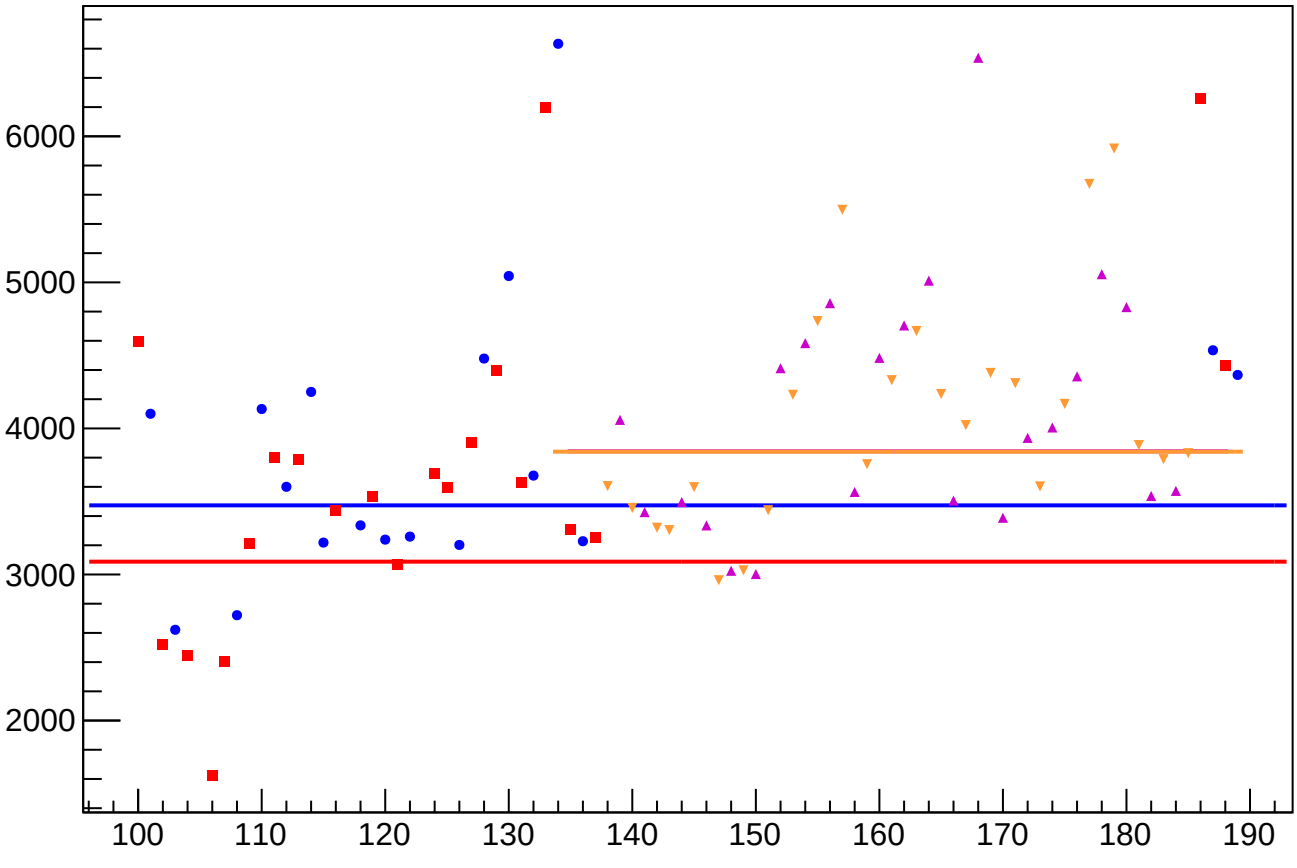
Right: 1177.736+/-0.209 χ^2/NDF: 1179564.4/38

In: 1153.306+/-0.160 χ^2/NDF:731497.1/40

Out: 1153.193+/-0.155 χ^2/NDF:693708.9/45

All: 1153.248+/-0.111 χ^2/NDF: 1425206.2/86


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 769.545+/-1264.016 χ²/NDF: 14.8/17
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 634.291+/-1090.236 χ²/NDF: 24.0/20
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 691.988+/-825.572 χ²/NDF: 38.8/38
In: 344.257+/-741.567 χ²/NDF:28.7/40
Out: 234.019+/-690.082 χ²/NDF:52.0/45
All: 285.178+/-505.183 χ²/NDF: 80.7/86



Right In: 3473.285+/-0.894 χ^2/NDF: 660253.3/17

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3087.784+/-0.771 χ^2/NDF: 1579668.3/20

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

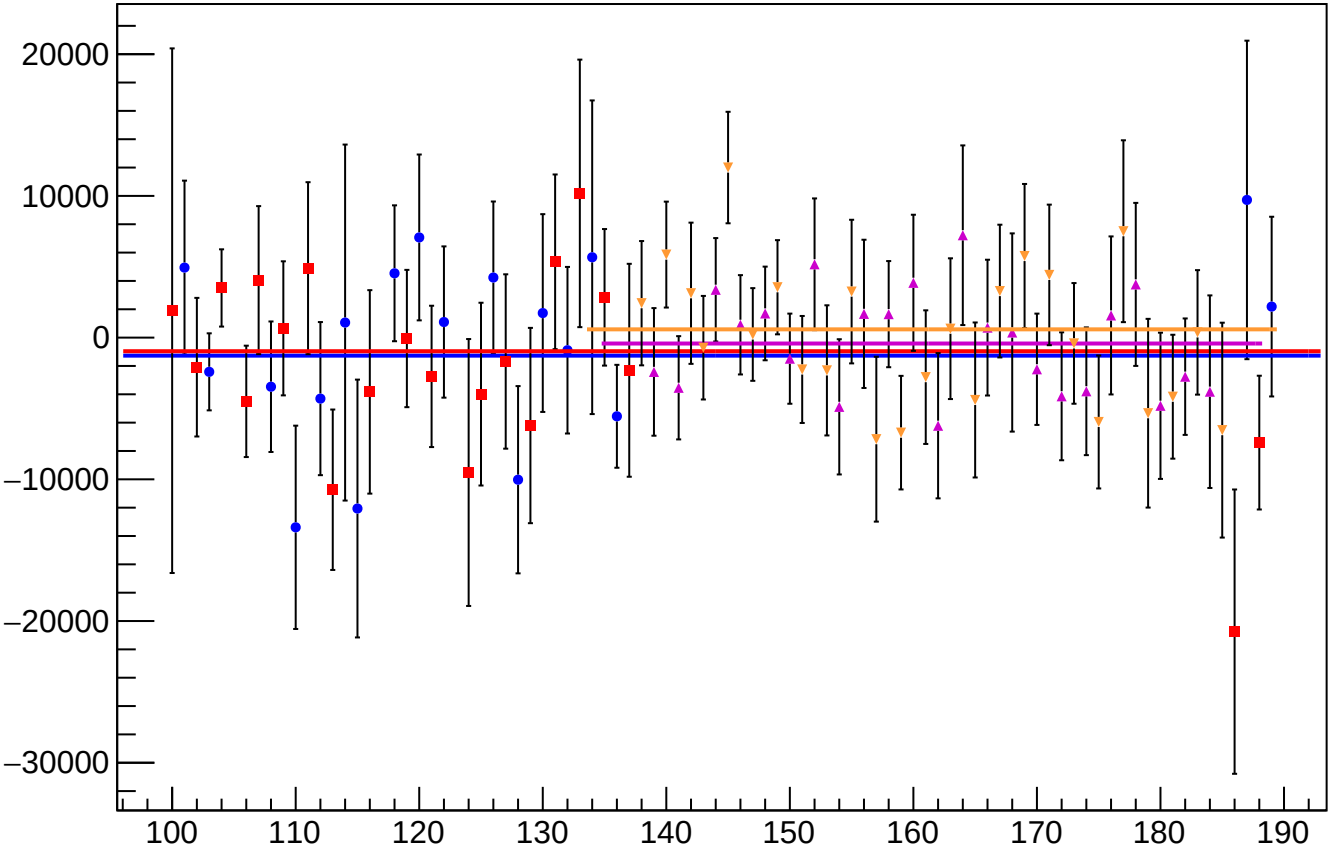
Right: 3252.233+/-0.584 χ^2/NDF: 2346592.6/38

In: 3715.967+/-0.524 χ^2/NDF:1968728.8/40

Out: 3539.129+/-0.488 χ^2/NDF:3270239.4/45

All: 3621.197+/-0.357 χ^2/NDF: 5299919.0/86

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1271.497+/-1277.332 χ^2/NDF: 15.8/17

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -959.837+/-1176.912 χ^2/NDF: 19.3/20

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

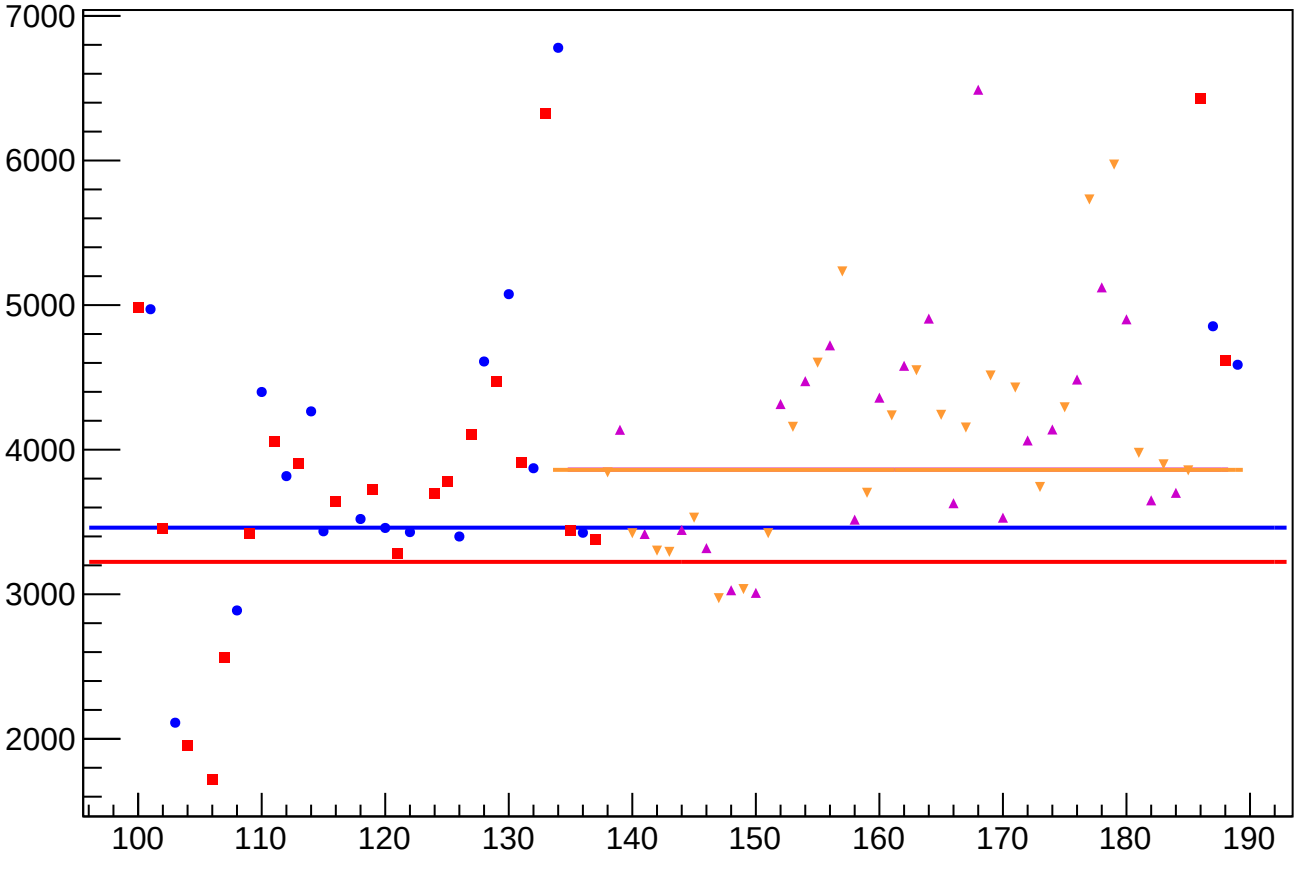
Right: -1102.936+/-865.529 χ^2/NDF: 35.1/38

In: -708.325+/-745.991 χ^2/NDF:28.5/40

Out: 17.946+/-712.355 χ^2/NDF:47.9/45

All: -328.447+/-515.192 χ^2/NDF: 76.9/86

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3460.685+/-0.903 χ^2/NDF: 1147838.5/17

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3224.011+/-0.819 χ^2/NDF: 1732121.1/20

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

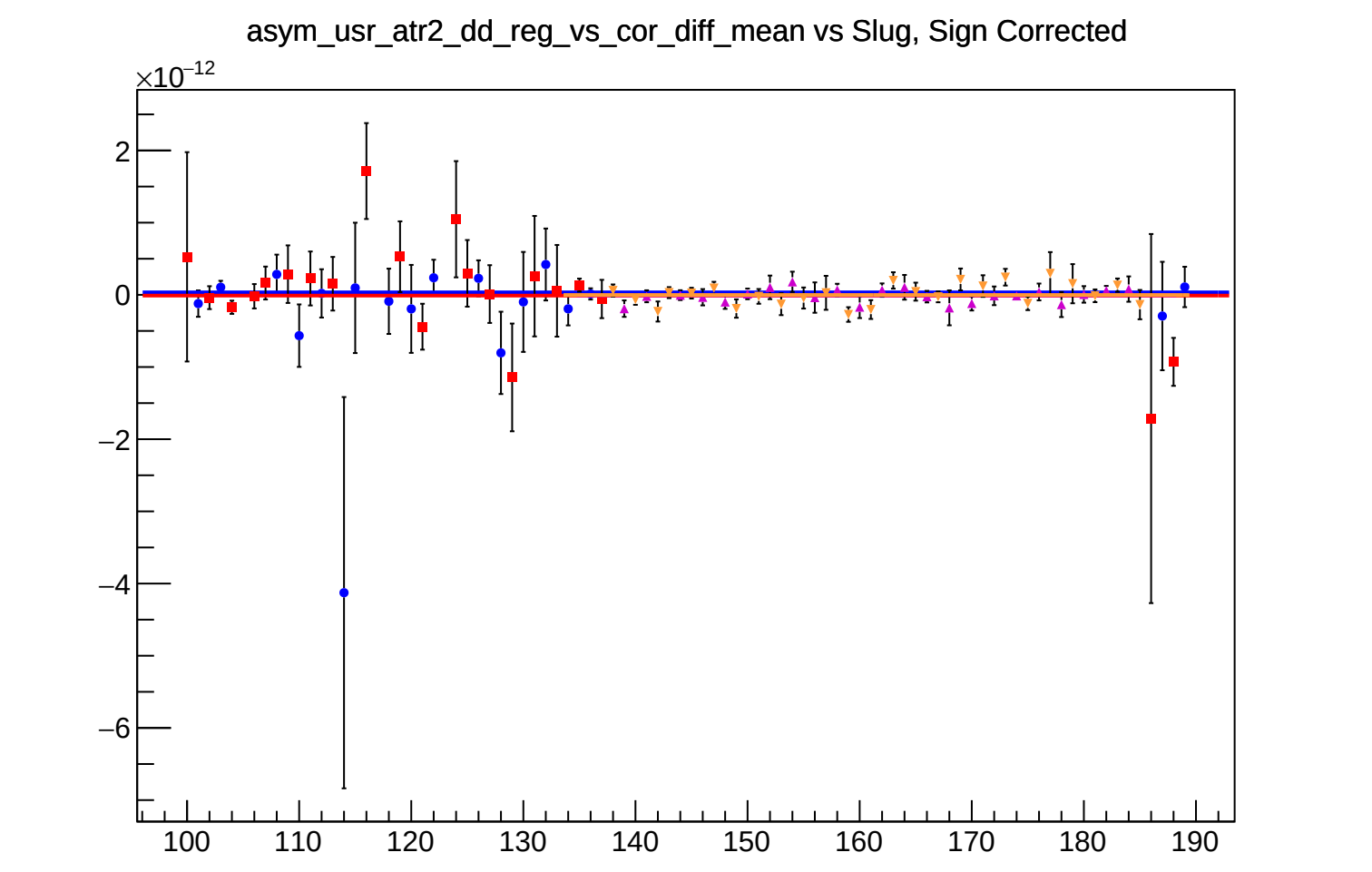
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3330.846+/-0.607 χ^2/NDF: 2917628.0/38

In: 3725.342+/-0.527 χ^2/NDF:2420322.0/40

Out: 3622.703+/-0.501 χ^2/NDF:3207480.6/45

All: 3671.360+/-0.363 χ^2/NDF: 5647714.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 12.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/20

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

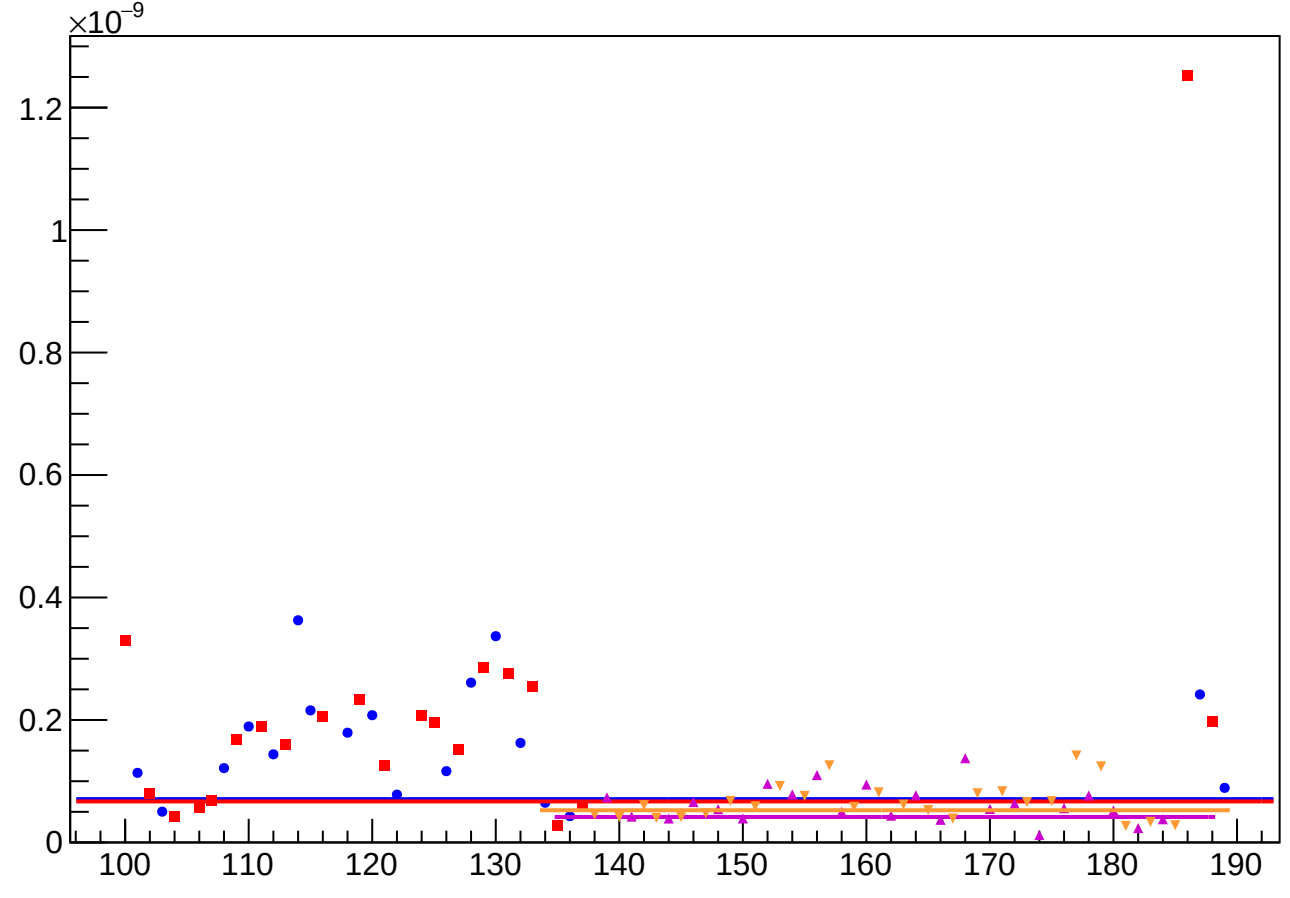
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 42.7/38

In: -0.000+/-0.000 χ^2/NDF:25.6/40

Out: -0.000+/-0.000 χ^2/NDF:64.4/45

All: -0.000+/-0.000 χ^2/NDF: 90.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 1843126.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3000232.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

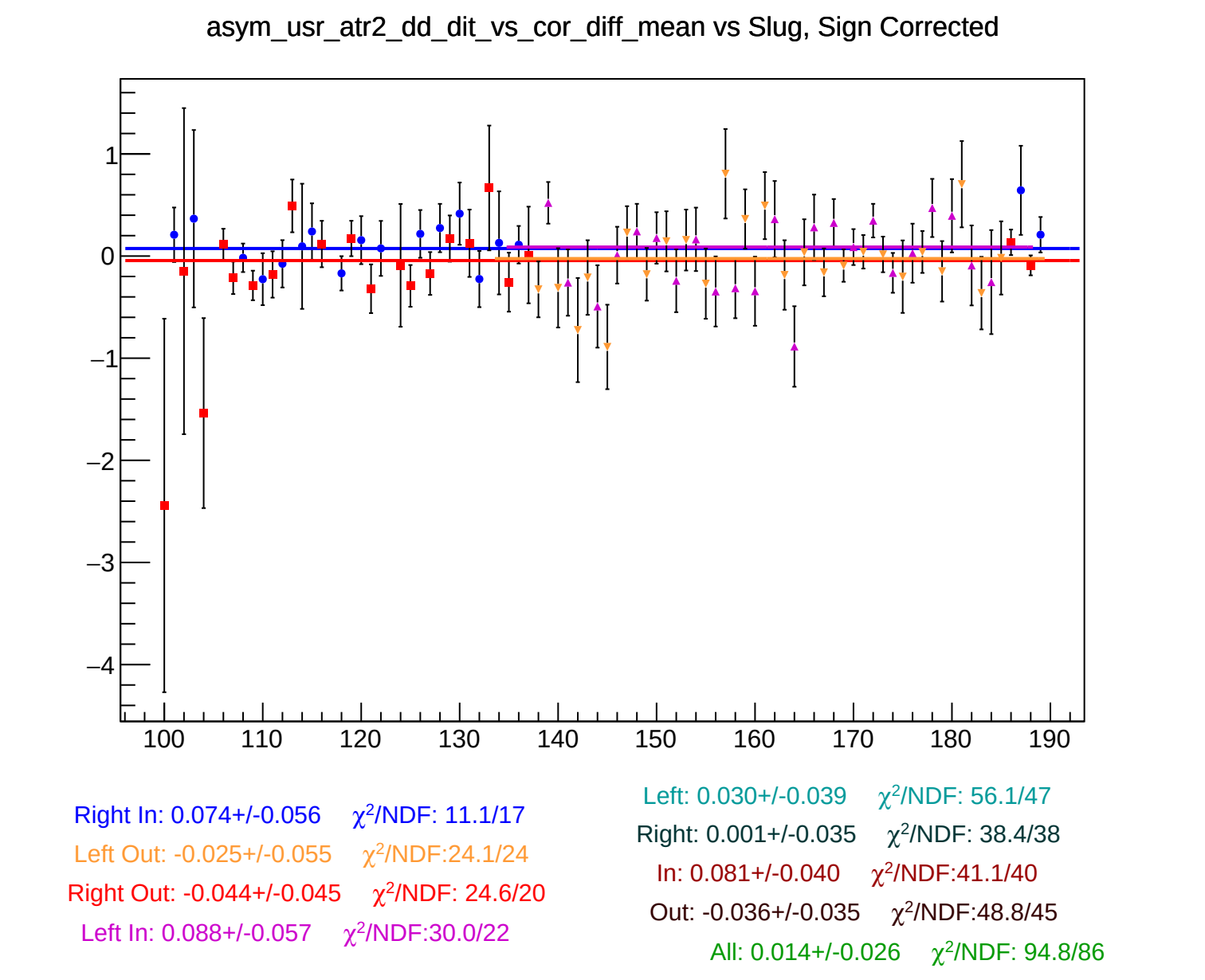
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 4849227.3/38

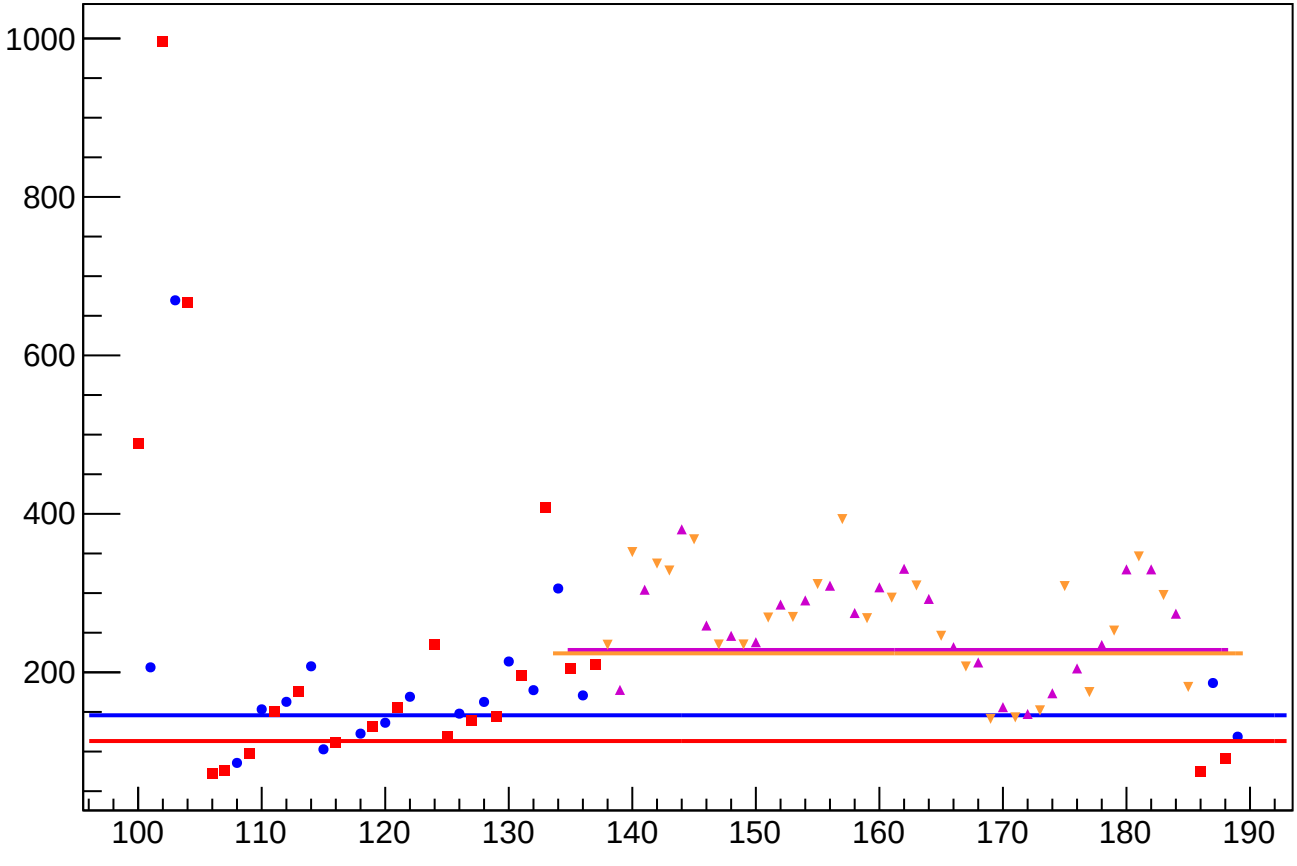
In: 0.000+/-0.000 χ^2/NDF:5413125.9/40

Out: 0.000+/-0.000 χ^2/NDF:4757219.0/45

All: 0.000+/-0.000 χ^2/NDF: 10409233.8/86


asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.074+/-0.056 χ²/NDF: 11.1/17
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.044+/-0.045 χ²/NDF: 24.6/20
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: 0.001+/-0.035 χ²/NDF: 38.4/38
In: 0.081+/-0.040 χ²/NDF:41.1/40
Out: -0.036+/-0.035 χ²/NDF:48.8/45
All: 0.014+/-0.026 χ²/NDF: 94.8/86

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.785+/-0.040 χ^2/NDF: 1779139.1/17

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 113.268+/-0.032 χ^2/NDF: 3276683.0/20

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

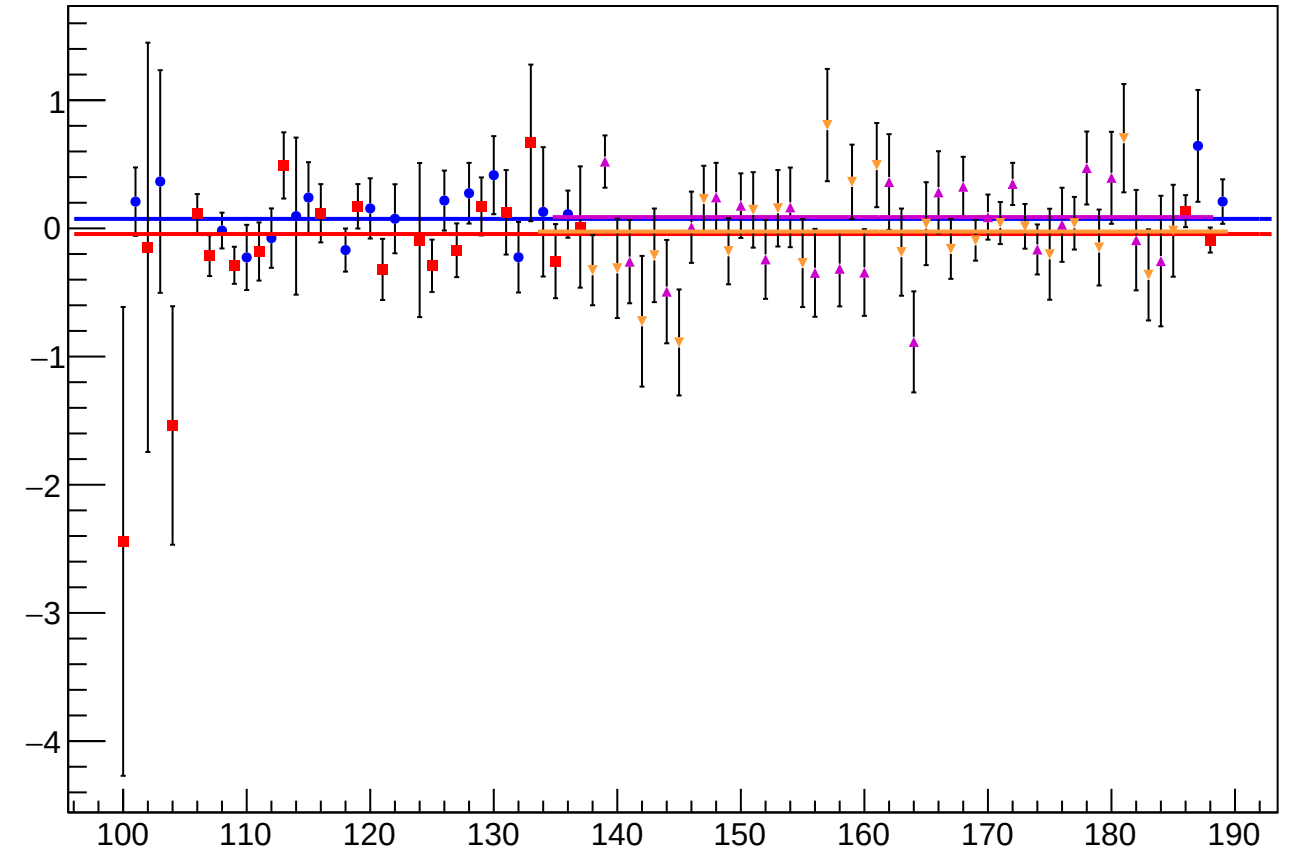
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 125.807+/-0.025 χ^2/NDF: 5466308.3/38

In: 186.701+/-0.028 χ^2/NDF:6398850.4/40

Out: 157.528+/-0.024 χ^2/NDF:11646695.2/45

All: 170.012+/-0.018 χ^2/NDF: 18656534.4/86



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.045 χ^2/NDF: 24.6/20

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

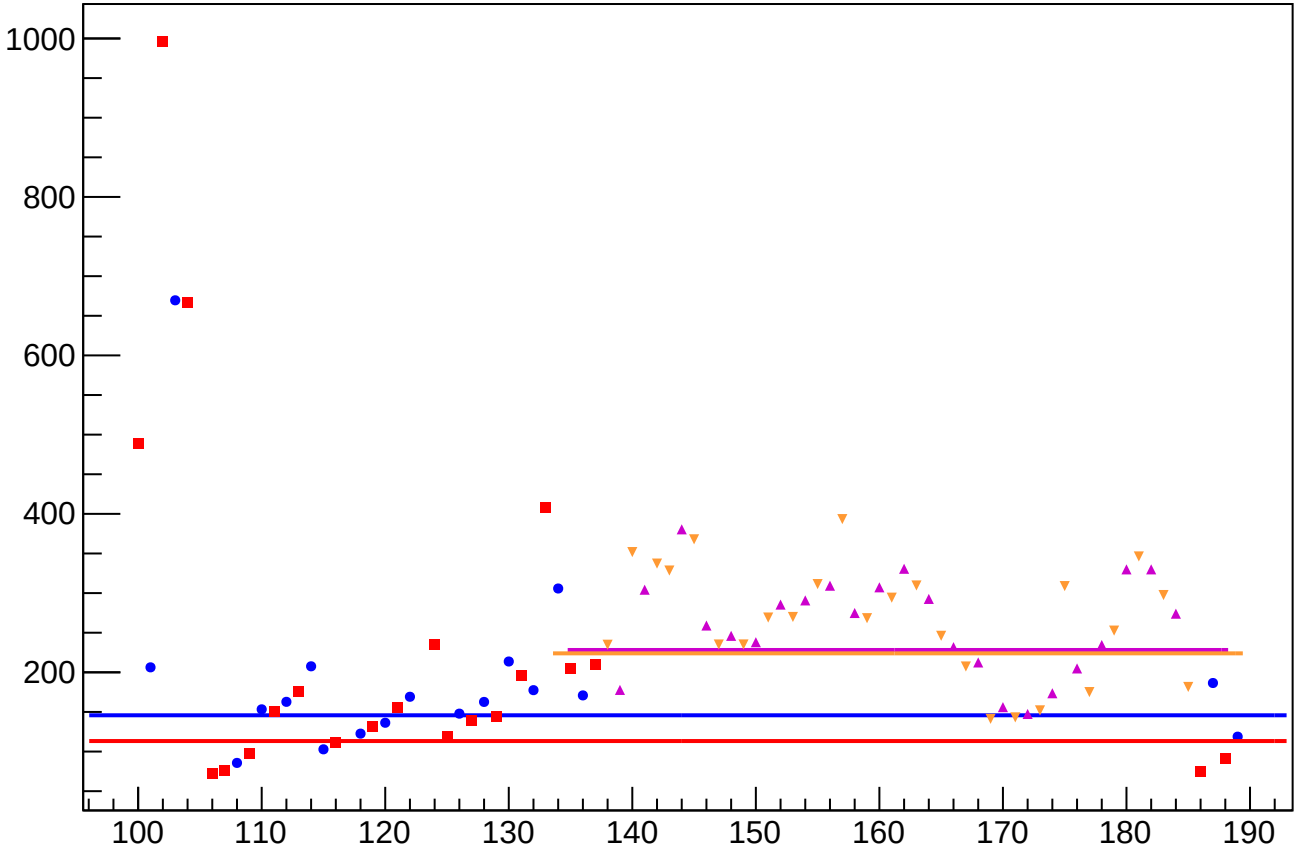
Right: 0.001+/-0.035 χ^2/NDF: 38.4/38

In: 0.081+/-0.040 χ^2/NDF:41.1/40

Out: -0.036+/-0.035 χ^2/NDF:48.8/45

All: 0.014+/-0.026 χ^2/NDF: 94.8/86

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.785+/-0.040 χ^2/NDF: 1779139.1/17

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 113.268+/-0.032 χ^2/NDF: 3276683.0/20

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

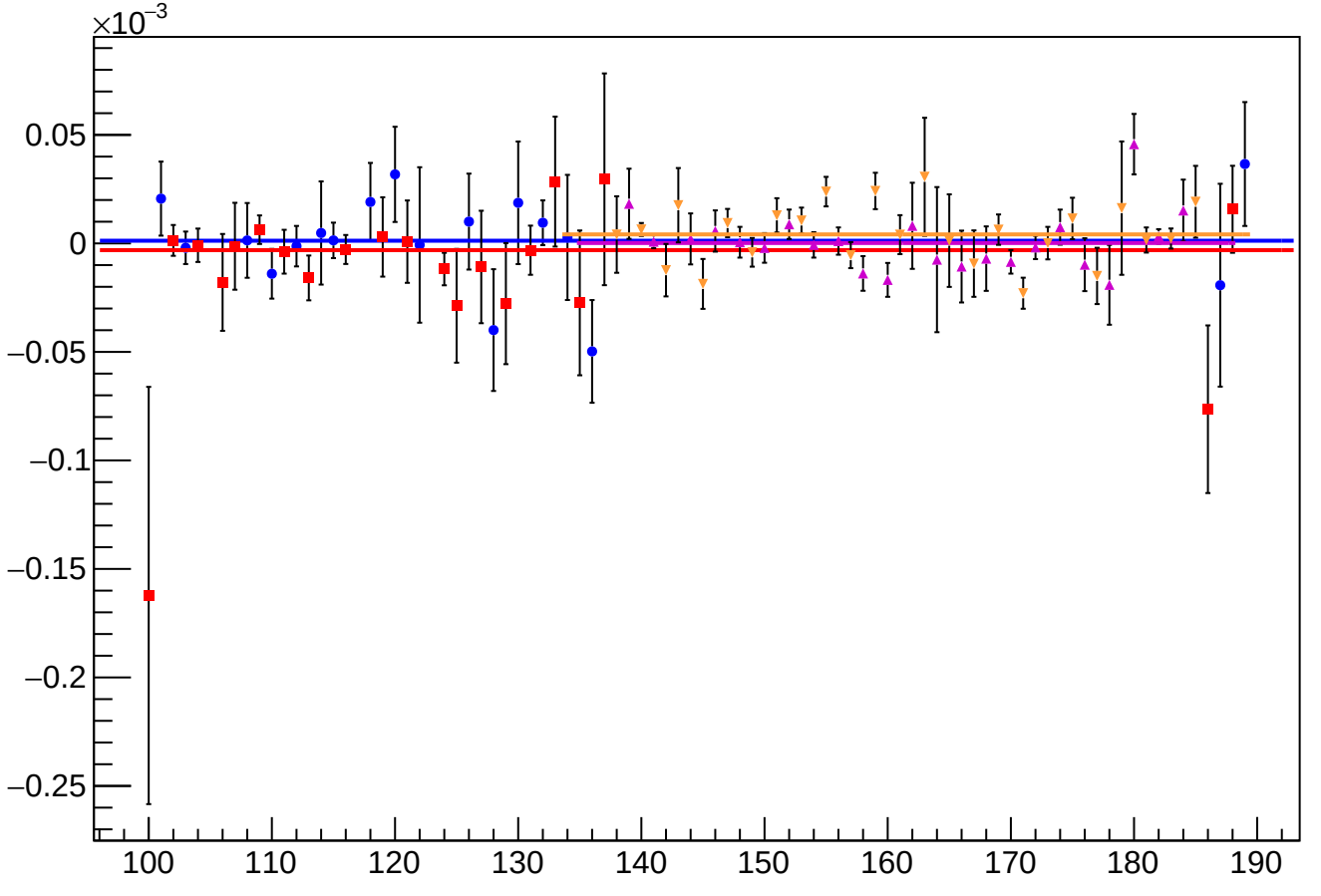
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 125.807+/-0.025 χ^2/NDF: 5466308.3/38

In: 186.701+/-0.028 χ^2/NDF:6398850.4/40

Out: 157.528+/-0.024 χ^2/NDF:11646695.2/45

All: 170.012+/-0.018 χ^2/NDF: 18656534.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/20

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

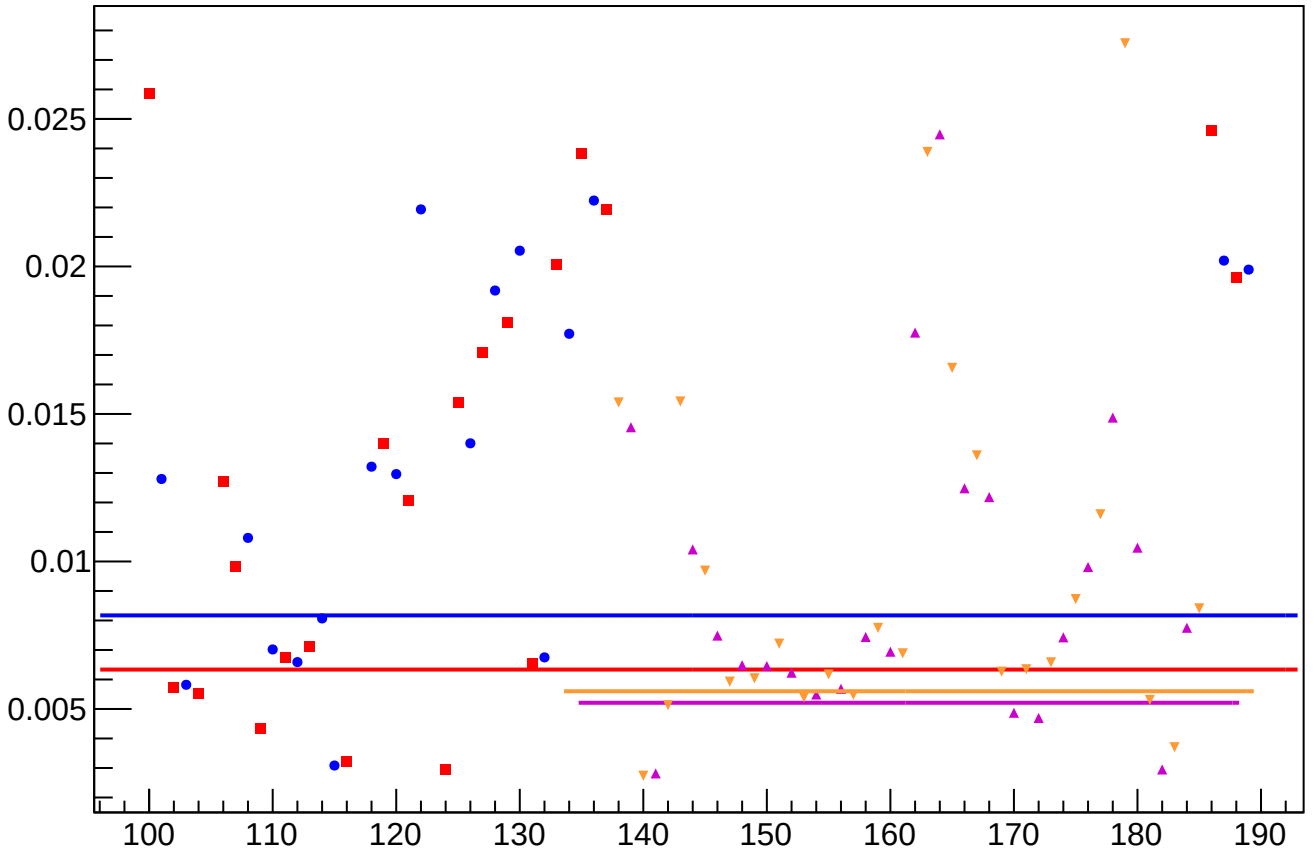
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 34.2/38

In: 0.000+/-0.000 χ^2/NDF:46.1/40

Out: 0.000+/-0.000 χ^2/NDF:71.9/45

All: 0.000+/-0.000 χ^2/NDF: 119.3/86



Right In: 0.008+/-0.000 χ^2/NDF: 4056762.3/17

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 5365540.2/20

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

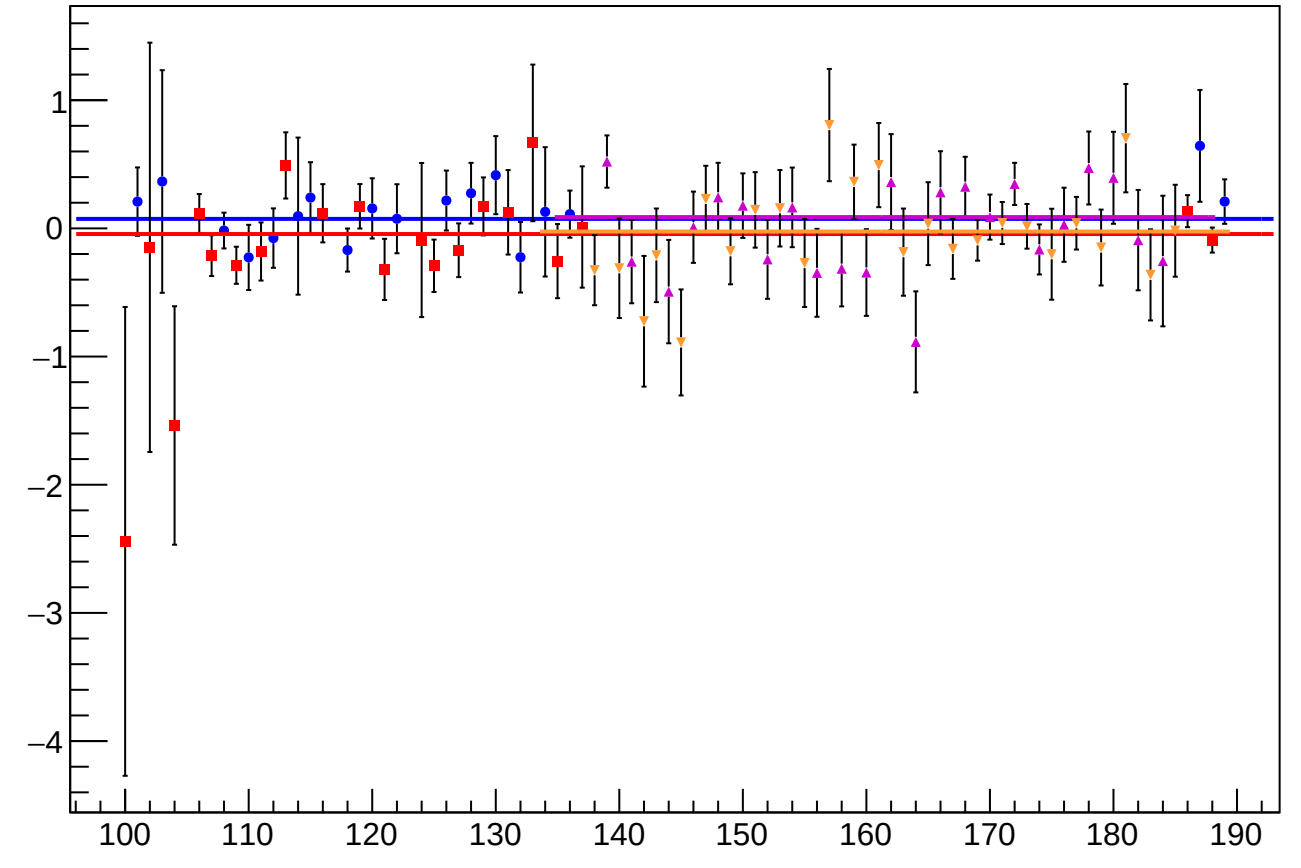
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 9786036.9/38

In: 0.006+/-0.000 χ^2/NDF:12788764.3/40

Out: 0.006+/-0.000 χ^2/NDF:13255689.3/45

All: 0.006+/-0.000 χ^2/NDF: 26053989.4/86



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.045 χ^2/NDF: 24.6/20

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

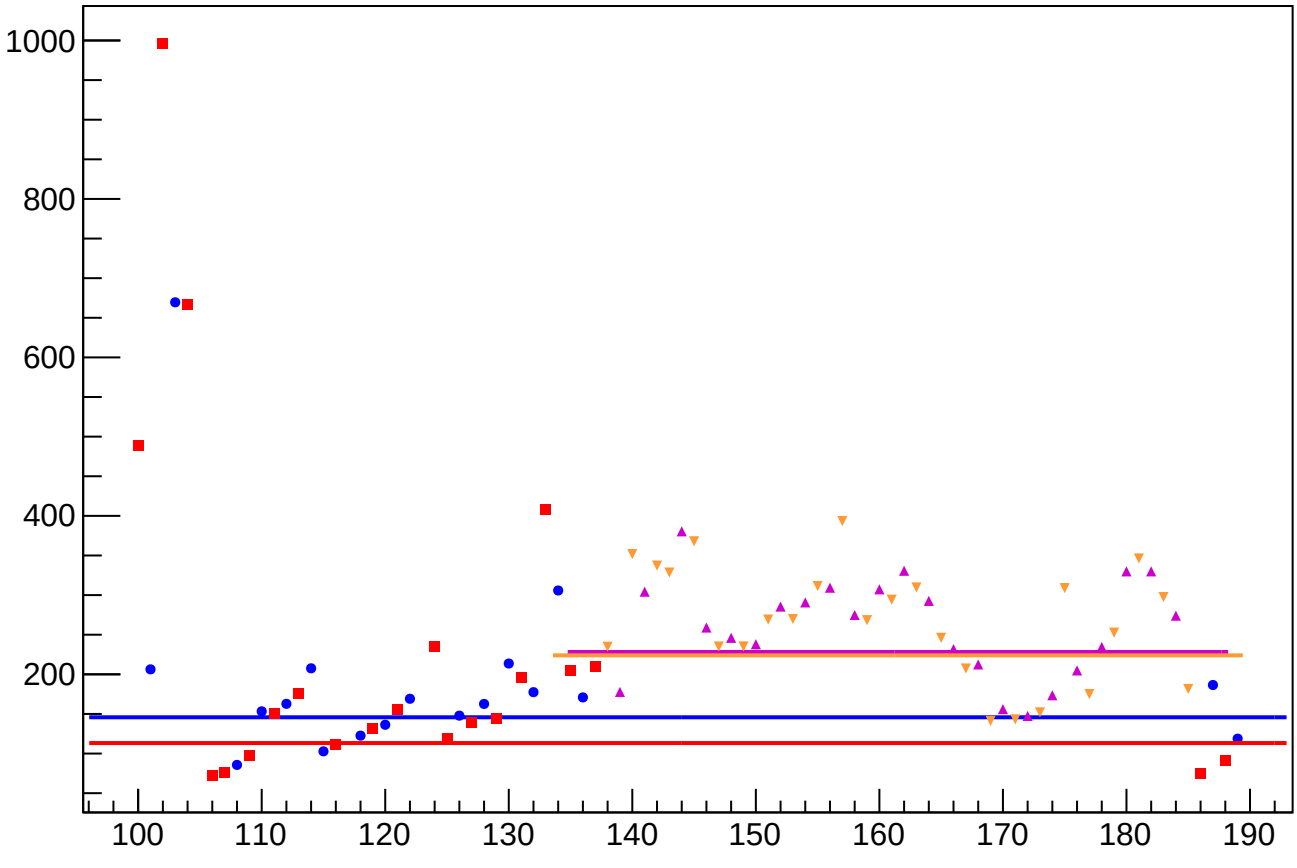
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.001+/-0.035 χ^2/NDF: 38.4/38

In: 0.081+/-0.040 χ^2/NDF:41.1/40

Out: -0.036+/-0.035 χ^2/NDF:48.8/45

All: 0.014+/-0.026 χ^2/NDF: 94.8/86



Right In: 145.781+/-0.040 χ^2/NDF: 1779244.2/17

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 113.273+/-0.032 χ^2/NDF: 3276425.4/20

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

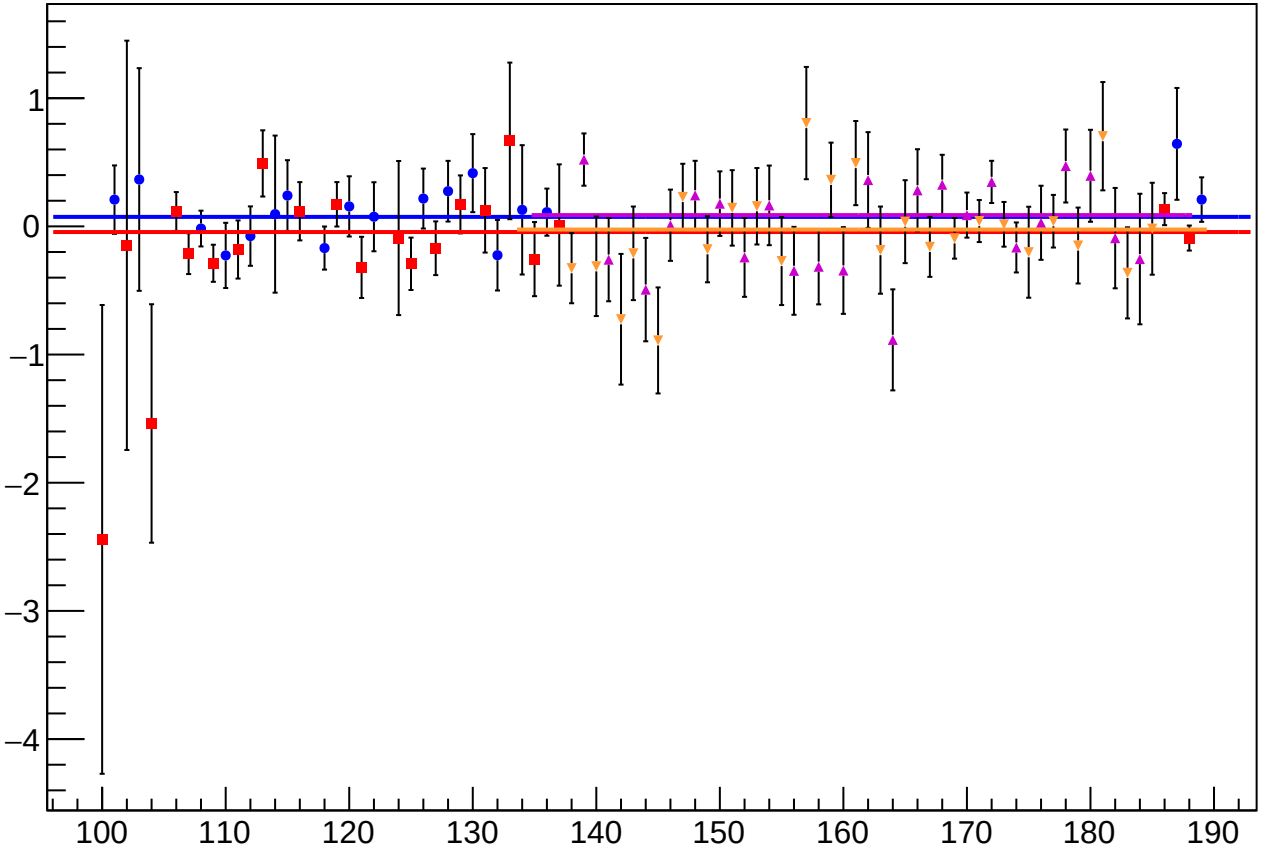
Right: 125.810+/-0.025 χ^2/NDF: 5465938.2/38

In: 186.699+/-0.028 χ^2/NDF:6399288.5/40

Out: 157.533+/-0.024 χ^2/NDF:11646032.9/45

All: 170.015+/-0.018 χ^2/NDF: 18656009.2/86

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.056 χ^2/NDF: 11.1/17

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.045 χ^2/NDF: 24.6/20

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

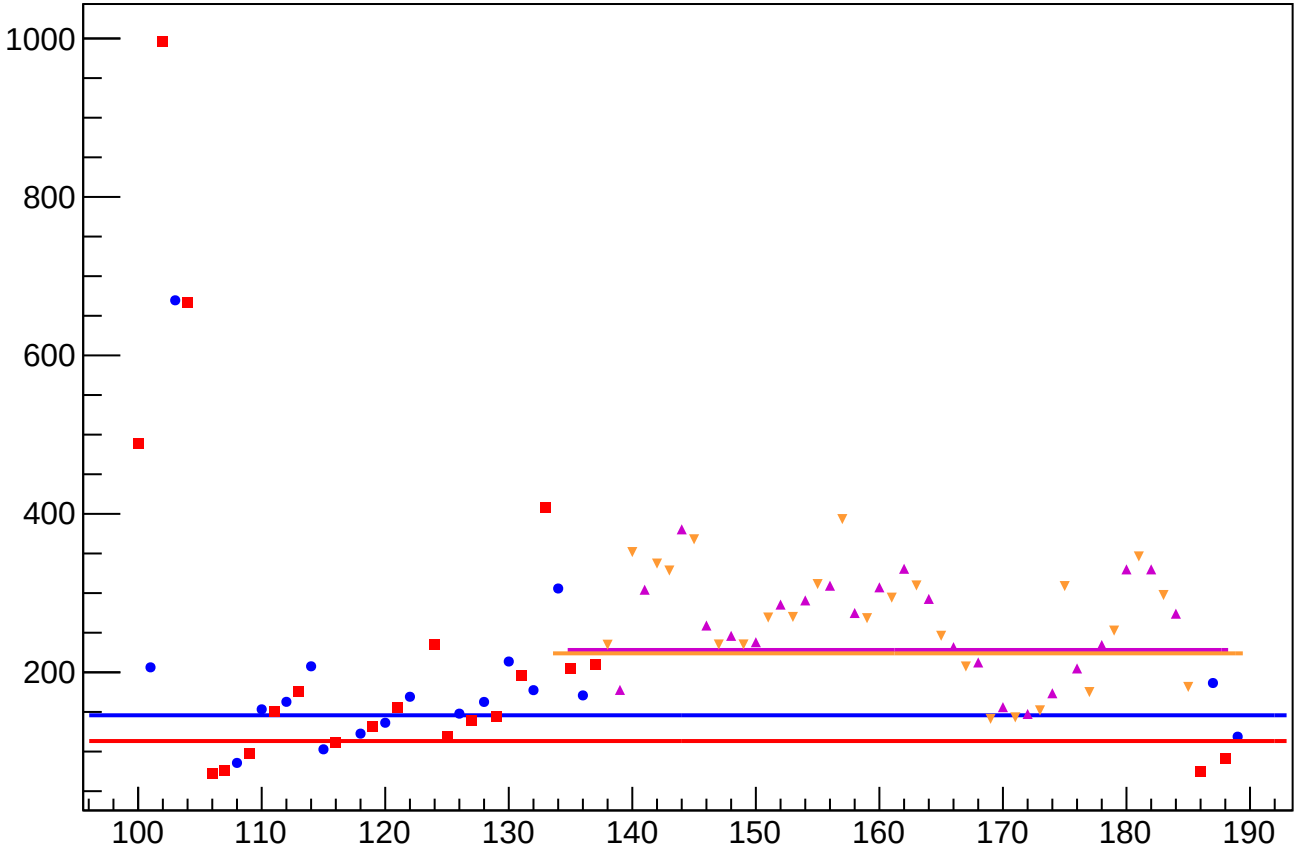
Right: 0.001+/-0.035 χ^2/NDF: 38.4/38

In: 0.081+/-0.040 χ^2/NDF:41.1/40

Out: -0.036+/-0.035 χ^2/NDF:48.8/45

All: 0.014+/-0.026 χ^2/NDF: 94.8/86

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 145.781+/-0.040 χ^2/NDF: 1779244.2/17

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 113.273+/-0.032 χ^2/NDF: 3276425.4/20

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

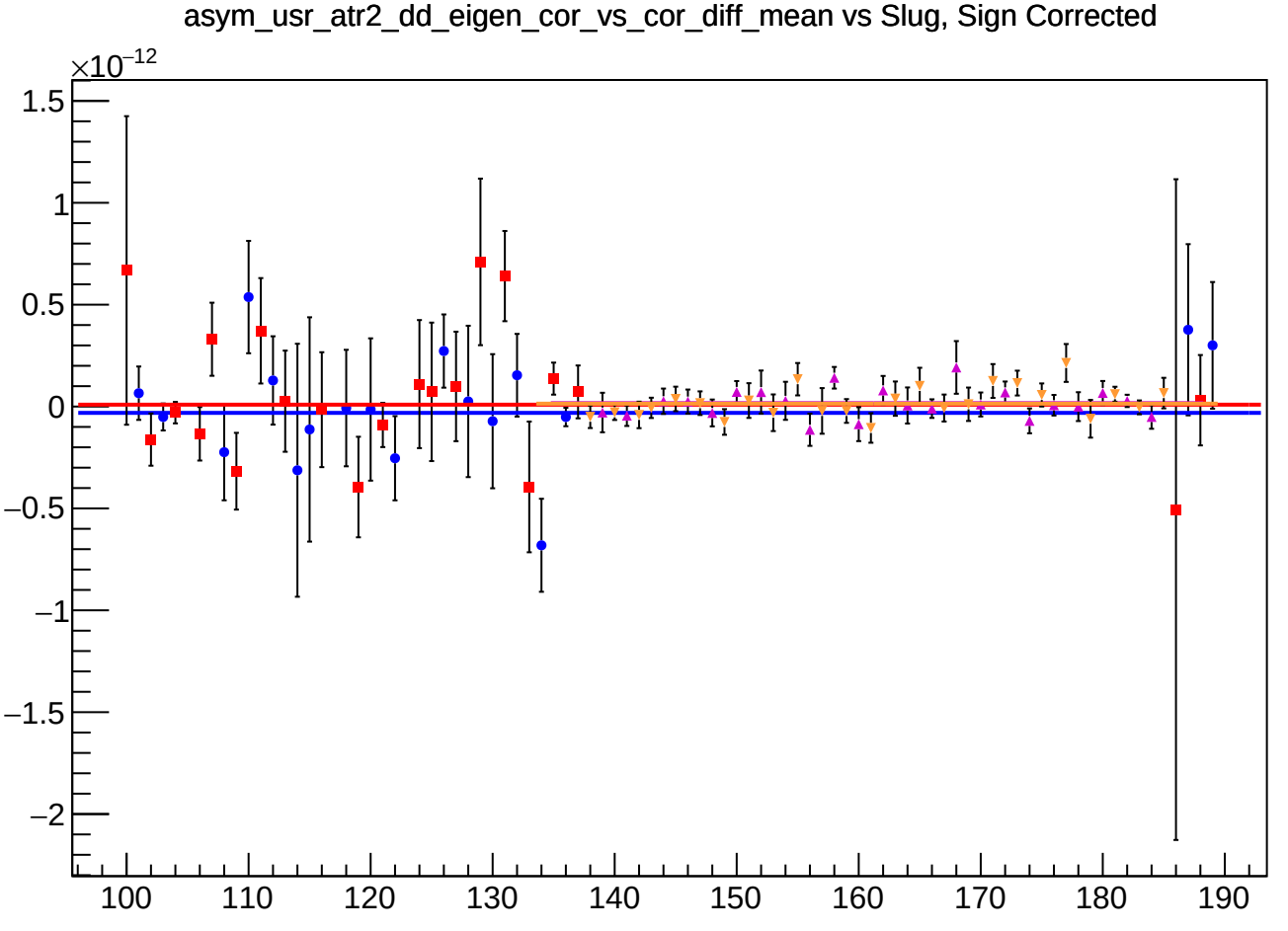
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

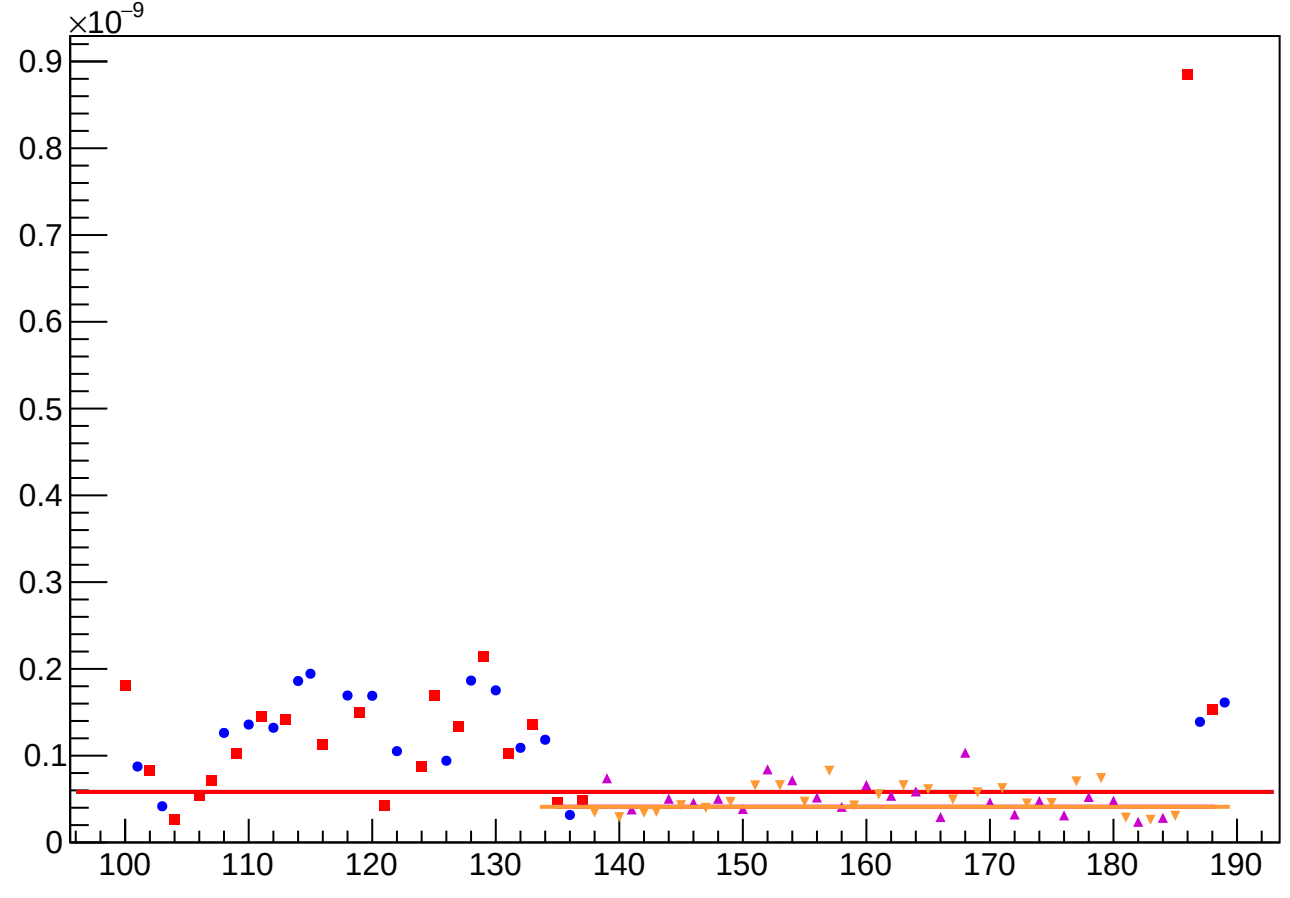
Right: 125.810+/-0.025 χ^2/NDF: 5465938.2/38

In: 186.699+/-0.028 χ^2/NDF:6399288.5/40

Out: 157.533+/-0.024 χ^2/NDF:11646032.9/45

All: 170.015+/-0.018 χ^2/NDF: 18656009.2/86


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.6/17
Left Out: 0.000+/-0.000 χ²/NDF:25.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 31.9/20
Left In: 0.000+/-0.000 χ²/NDF:21.7/22
Left: 0.000+/-0.000 χ²/NDF: 47.1/47
Right: -0.000+/-0.000 χ²/NDF: 54.3/38
In: 0.000+/-0.000 χ²/NDF:45.3/40
Out: 0.000+/-0.000 χ²/NDF:57.2/45
All: 0.000+/-0.000 χ²/NDF: 102.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 3411850.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3633596.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

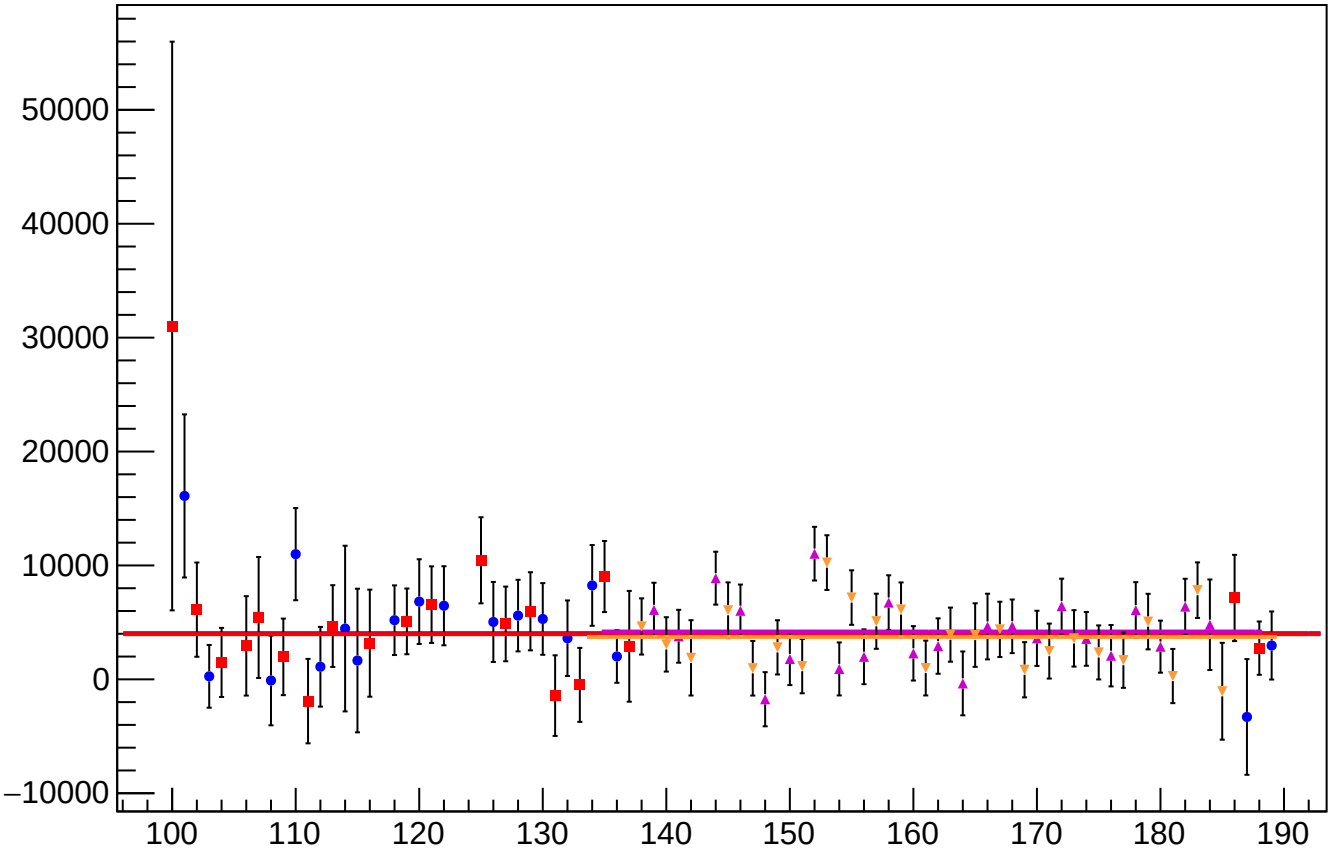
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7045447.0/38

In: 0.000+/-0.000 χ^2/NDF:6758629.4/40

Out: 0.000+/-0.000 χ^2/NDF:6791328.6/45

All: 0.000+/-0.000 χ^2/NDF: 13550272.7/86



Right In: 4044.179+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 3969.148+/-798.163 χ^2/NDF: 17.1/19

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

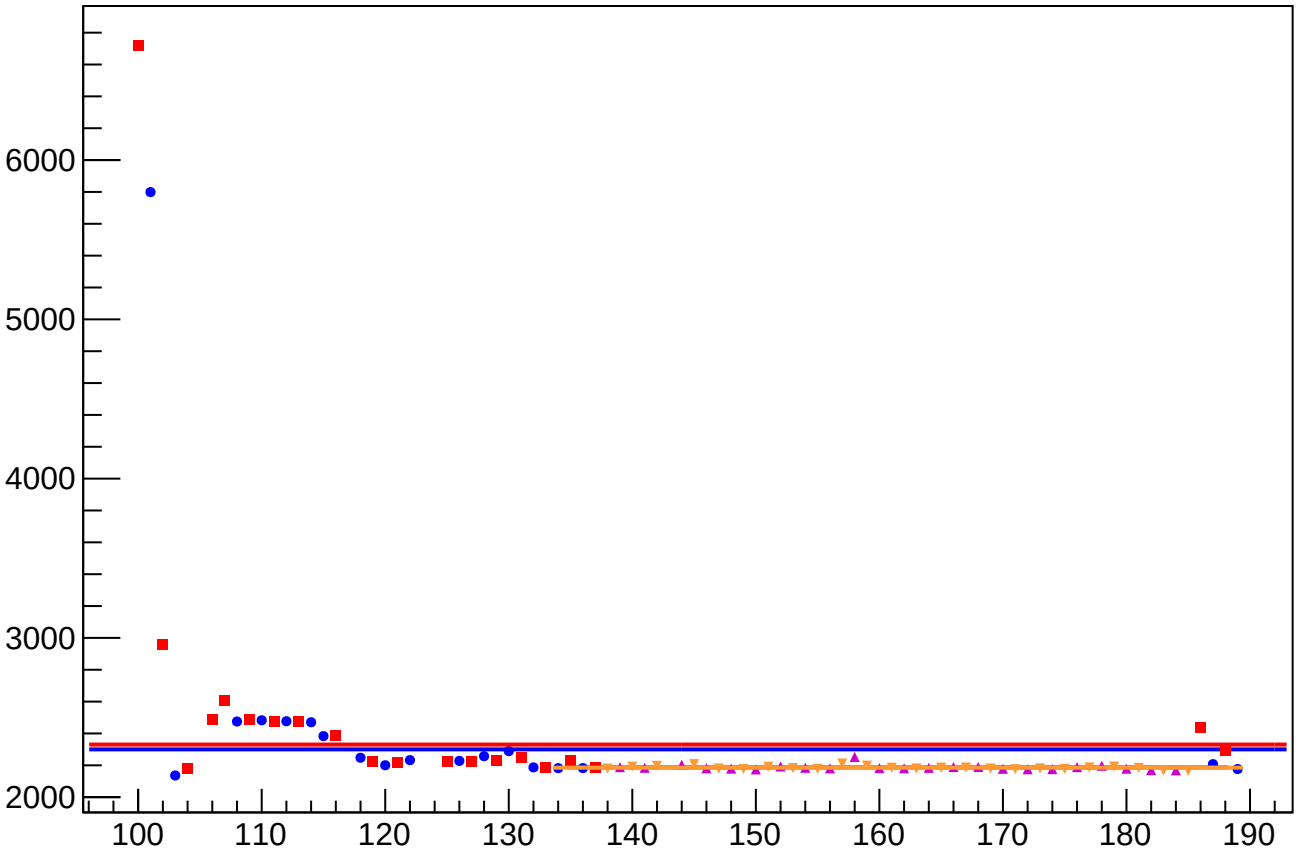
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4005.259+/-574.853 χ^2/NDF: 32.9/37

In: 4154.178+/-434.684 χ^2/NDF:47.8/40

Out: 3794.142+/-428.053 χ^2/NDF:42.7/43

All: 3971.393+/-304.997 χ^2/NDF: 90.8/84



Right In: 2300.090+/-0.586 χ^2/NDF: 516903.8/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2330.359+/-0.564 χ^2/NDF: 153308.8/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

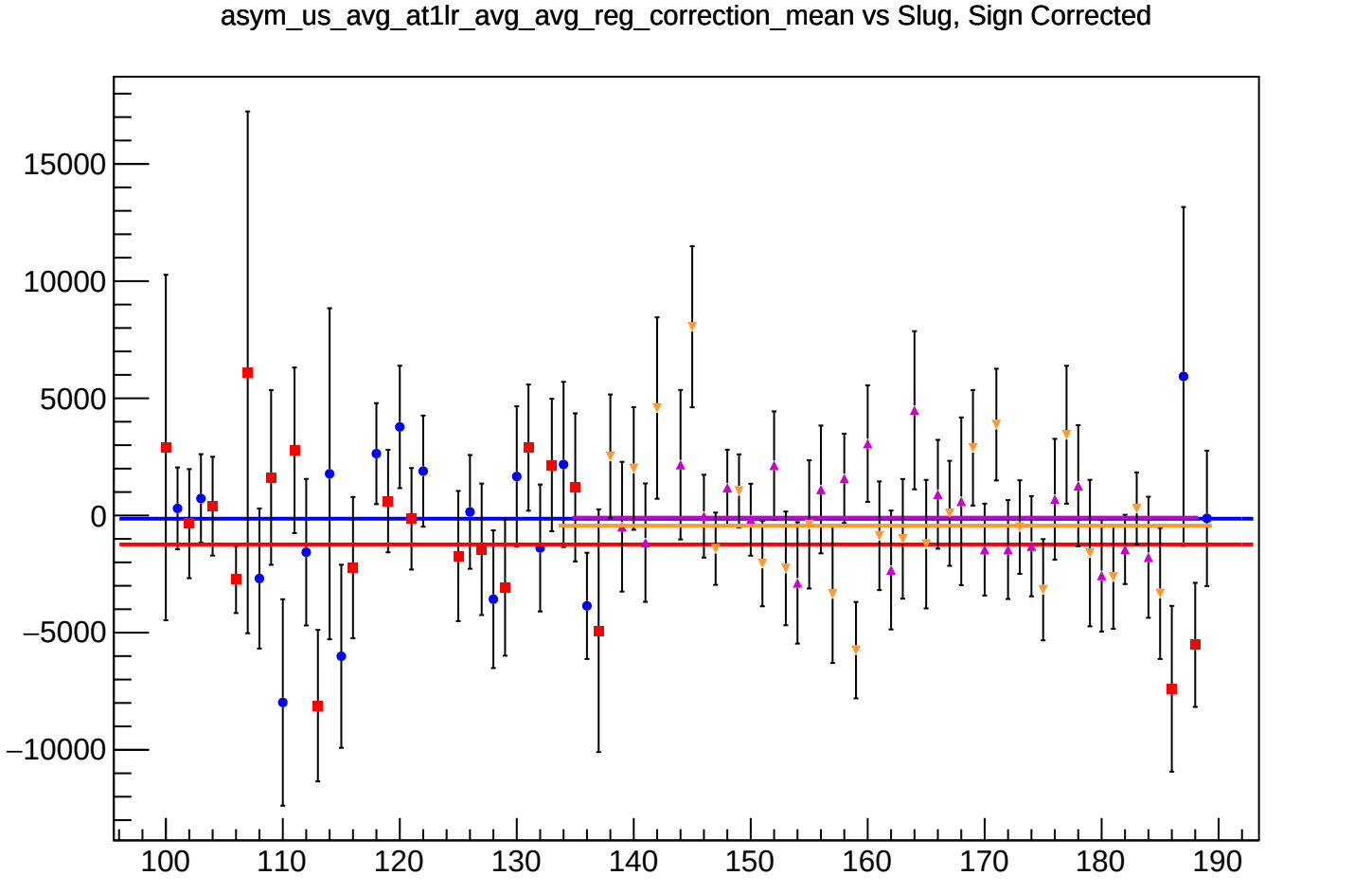
Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

Right: 2315.791+/-0.406 χ^2/NDF: 671597.0/37

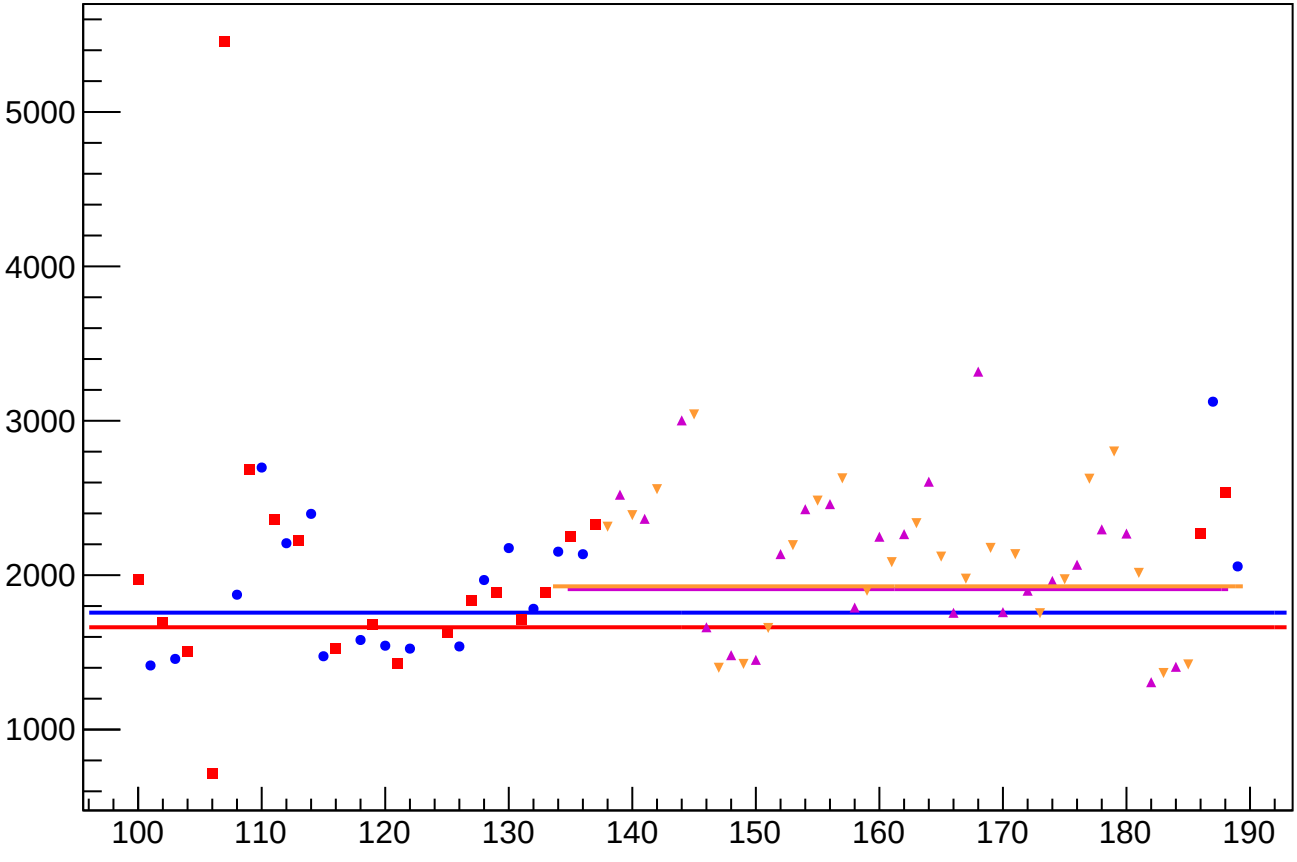
In: 2217.937+/-0.307 χ^2/NDF:546090.9/40

Out: 2226.902+/-0.303 χ^2/NDF:201292.7/43

All: 2222.488+/-0.216 χ^2/NDF: 747815.5/84


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -137.490+/-639.361 χ²/NDF: 17.1/17
Left Out: -432.286+/-462.383 χ²/NDF:31.3/23
Right Out: -1234.042+/-608.220 χ²/NDF: 21.0/19
Left In: -92.649+/-460.669 χ²/NDF:12.8/22
Left: -261.837+/-326.347 χ²/NDF: 44.3/46
Right: -713.120+/-440.674 χ²/NDF: 39.7/37
In: -107.973+/-373.757 χ²/NDF:29.9/40
Out: -725.939+/-368.092 χ²/NDF:53.4/43
All: -421.675+/-262.261 χ²/NDF: 84.7/84

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1757.176+/-0.452 χ^2/NDF: 575245.3/17

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1662.597+/-0.430 χ^2/NDF: 1856910.8/19

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

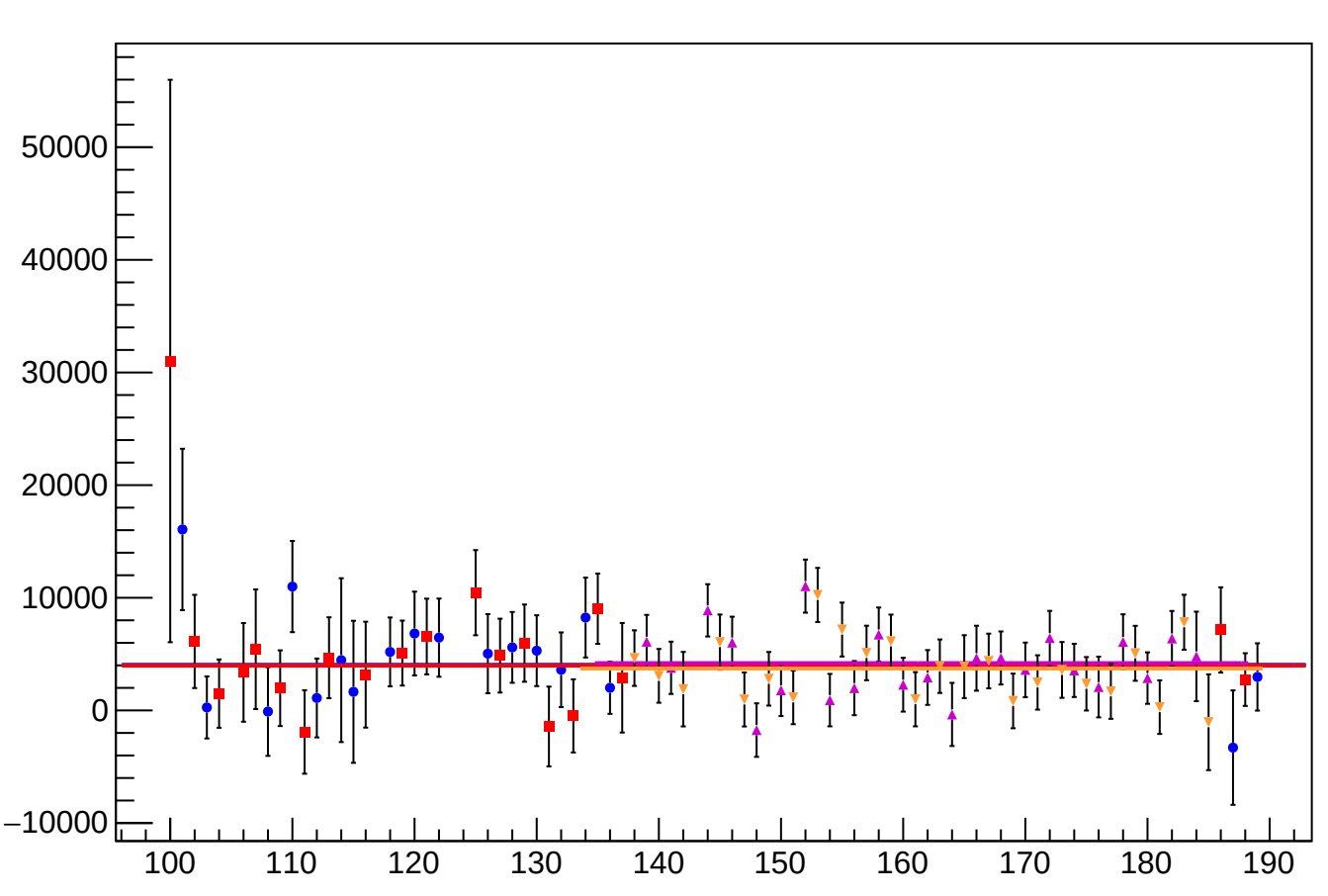
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1707.527+/-0.312 χ^2/NDF: 2455130.3/37

In: 1857.520+/-0.264 χ^2/NDF:2592347.1/40

Out: 1830.578+/-0.260 χ^2/NDF:3896016.8/43

All: 1843.843+/-0.185 χ^2/NDF: 6493639.5/84



Right In: 4043.598+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3984.368+/-798.278 χ^2/NDF: 17.1/19

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

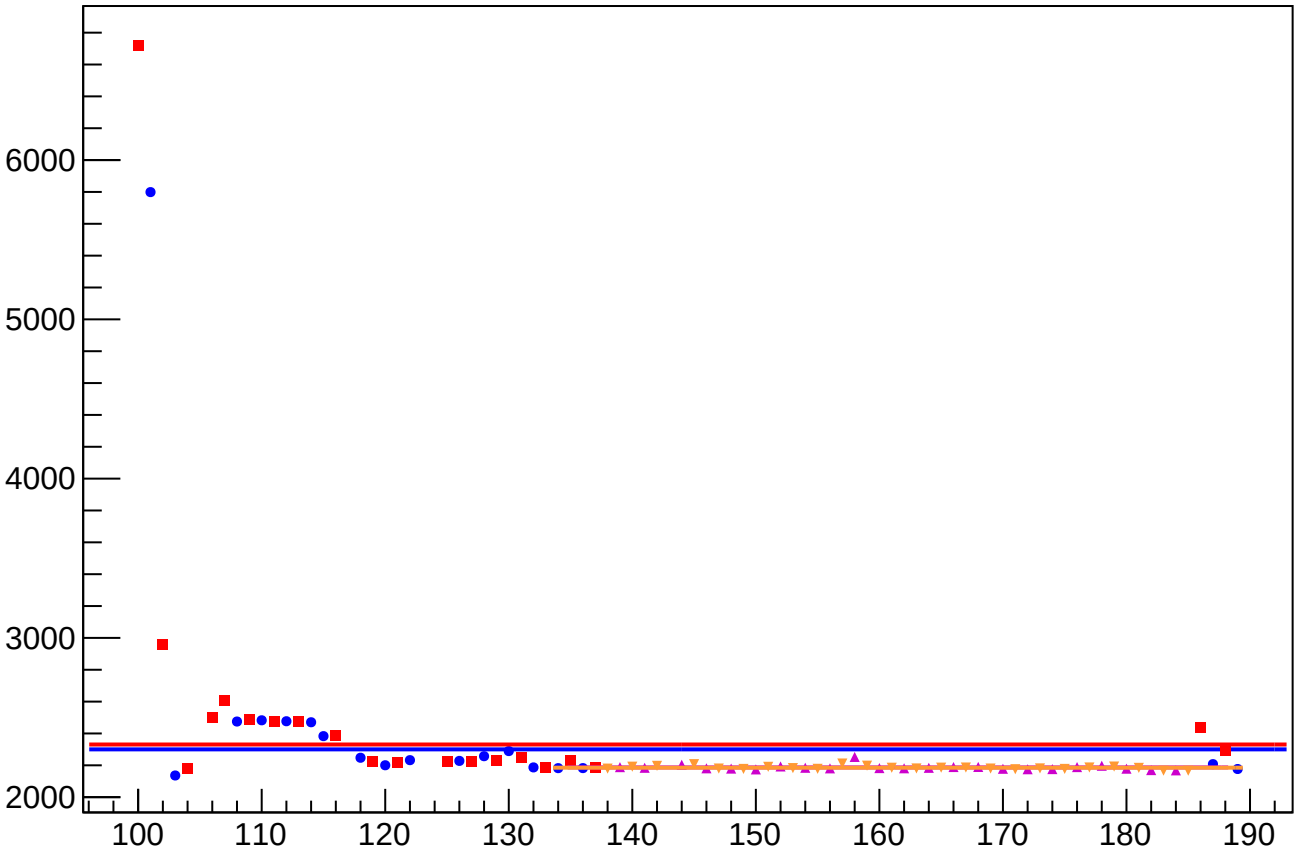
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4012.878+/-574.896 χ^2/NDF: 32.8/37

In: 4154.104+/-434.684 χ^2/NDF:47.8/40

Out: 3798.466+/-428.071 χ^2/NDF:42.6/43

All: 3973.559+/-305.003 χ^2/NDF: 90.8/84



Right In: 2300.090+/-0.586 χ^2/NDF: 516904.2/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2330.669+/-0.564 χ^2/NDF: 153654.6/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

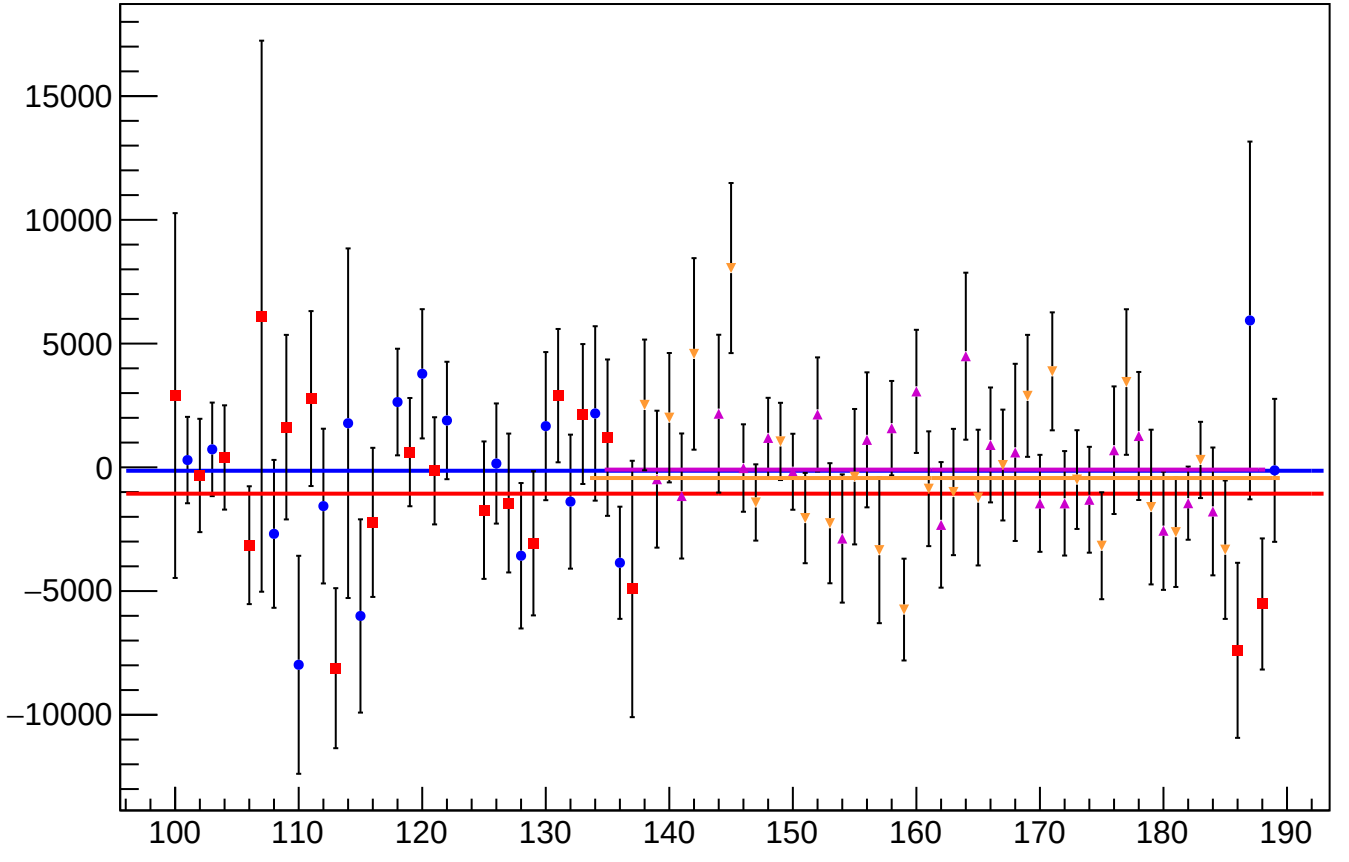
Right: 2315.950+/-0.407 χ^2/NDF: 671971.6/37

In: 2217.937+/-0.307 χ^2/NDF:546091.3/40

Out: 2226.983+/-0.303 χ^2/NDF:201830.3/43

All: 2222.529+/-0.216 χ^2/NDF: 748361.3/84

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -138.530+/-639.243 χ^2/NDF: 17.1/17

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1064.379+/-645.975 χ^2/NDF: 20.5/19

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

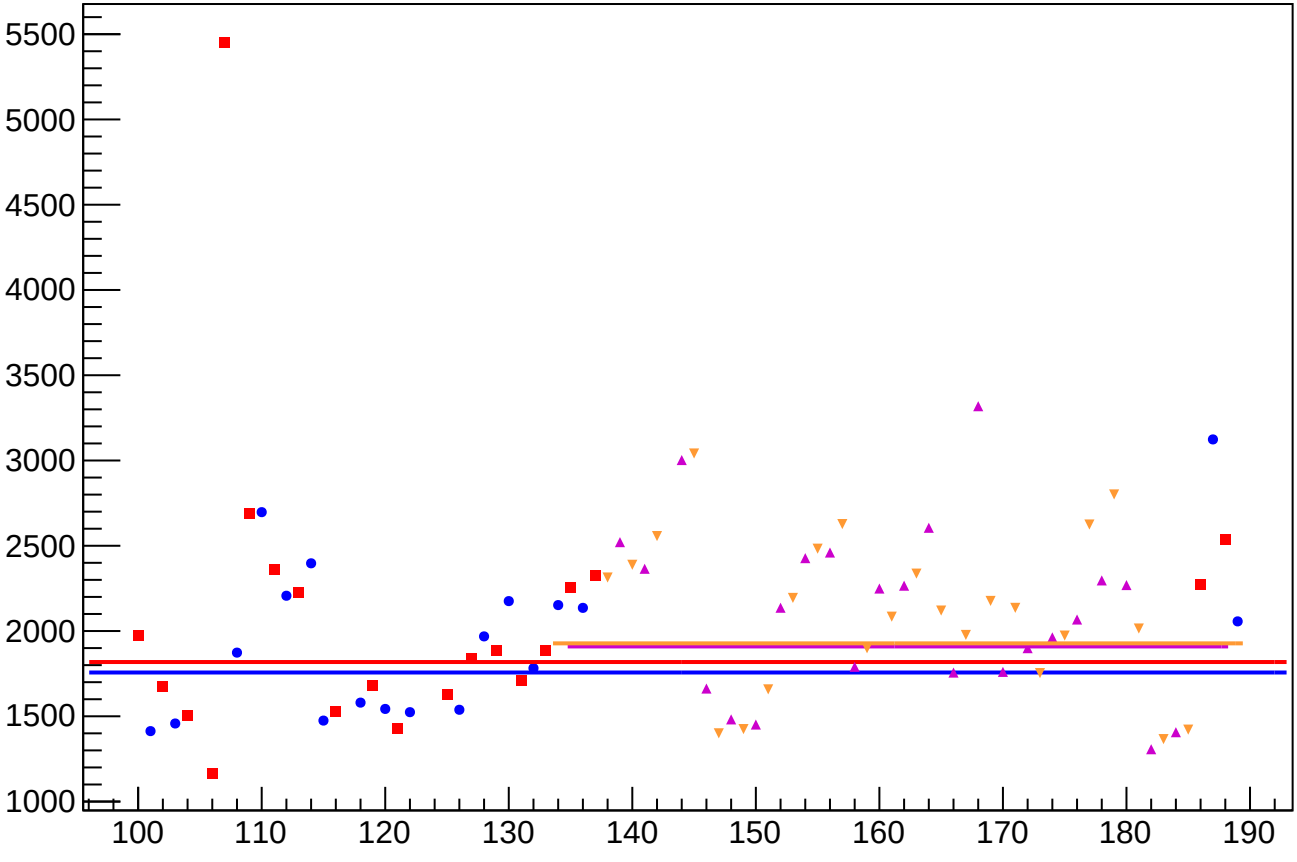
Right: -596.605+/-454.374 χ^2/NDF: 38.7/37

In: -108.302+/-373.734 χ^2/NDF:29.9/40

Out: -646.449+/-375.989 χ^2/NDF:52.5/43

All: -375.758+/-265.064 χ^2/NDF: 83.4/84

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1756.798+/-0.452 χ^2/NDF: 576308.6/17

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1818.223+/-0.457 χ^2/NDF: 948229.2/19

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

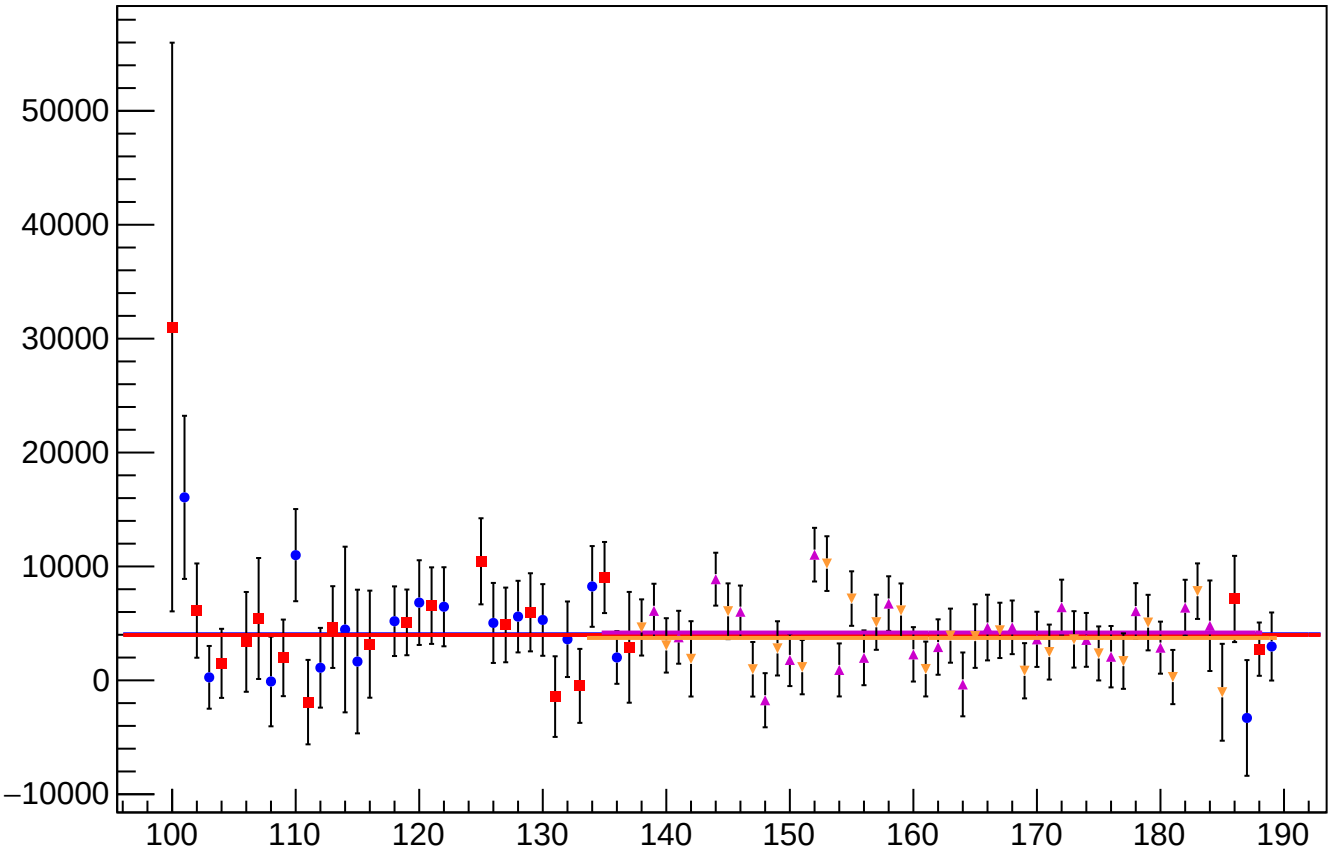
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1787.189+/-0.321 χ^2/NDF: 1533674.3/37

In: 1857.381+/-0.264 χ^2/NDF:2593827.4/40

Out: 1890.584+/-0.266 χ^2/NDF:2784591.1/43

All: 1873.883+/-0.187 χ^2/NDF: 5386263.7/84



Right In: 4043.598+/-828.621 χ^2/NDF: 15.7/17

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3984.368+/-798.278 χ^2/NDF: 17.1/19

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

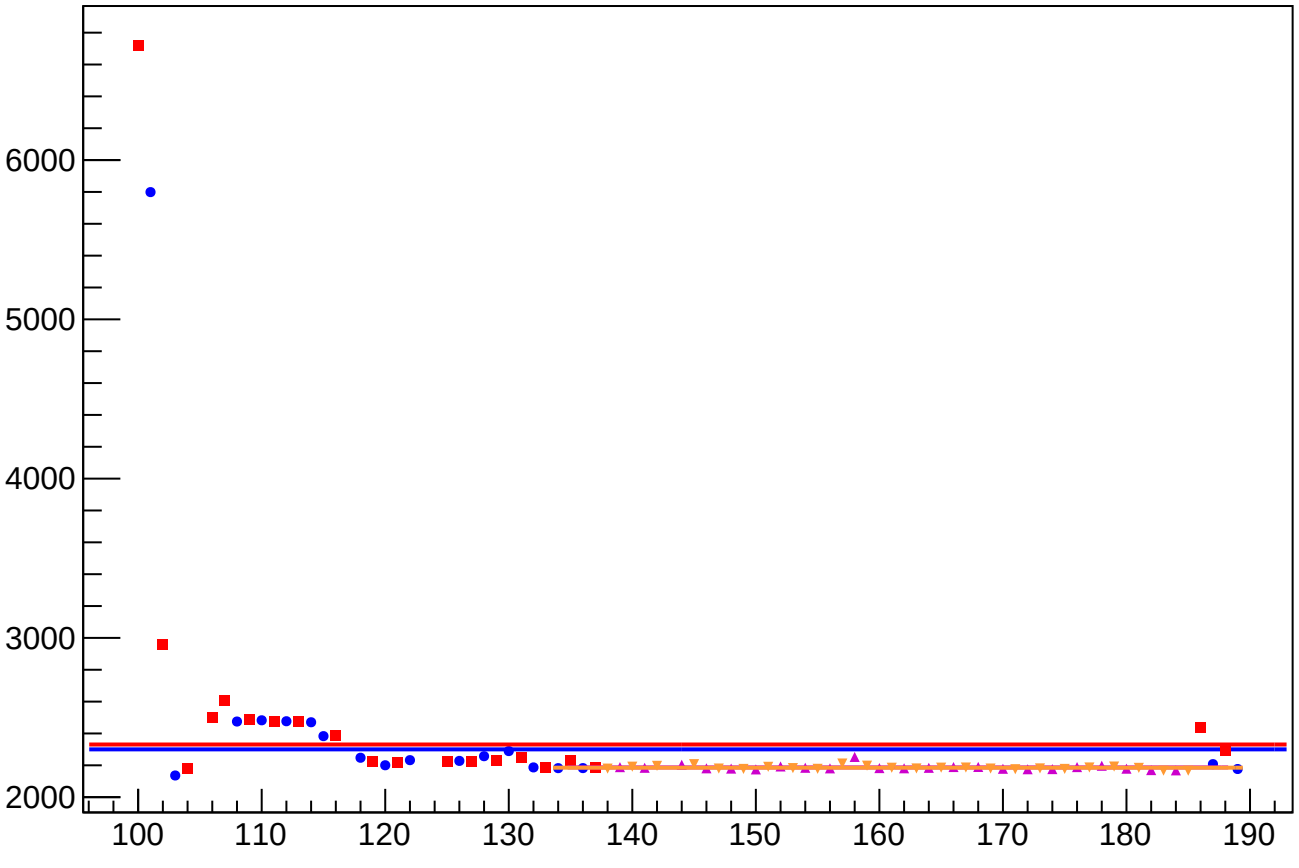
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4012.878+/-574.896 χ^2/NDF: 32.8/37

In: 4154.104+/-434.684 χ^2/NDF:47.8/40

Out: 3798.466+/-428.071 χ^2/NDF:42.6/43

All: 3973.559+/-305.003 χ^2/NDF: 90.8/84



Right In: 2300.090+/-0.586 χ^2/NDF: 516904.2/17

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2330.669+/-0.564 χ^2/NDF: 153654.6/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

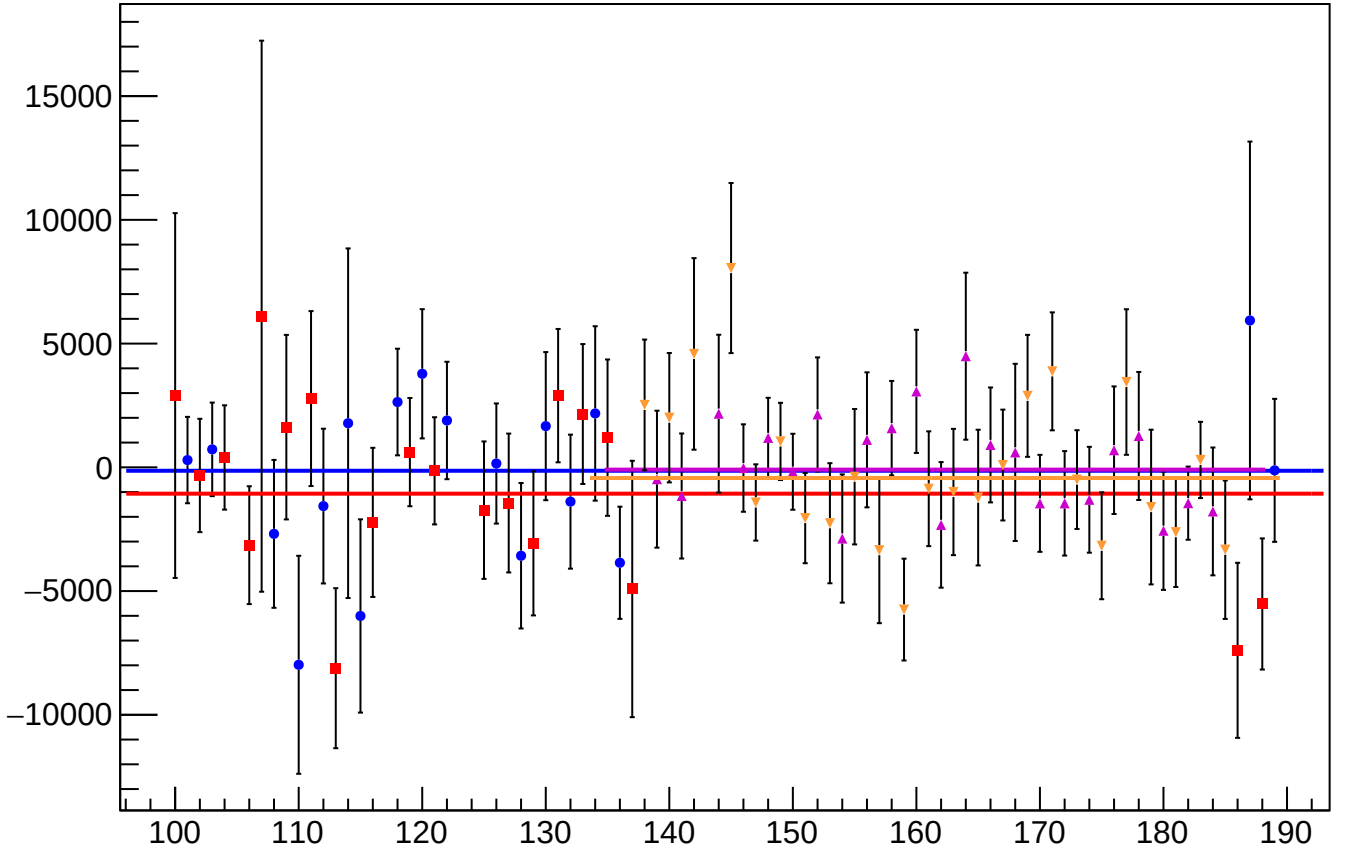
Right: 2315.950+/-0.407 χ^2/NDF: 671971.6/37

In: 2217.937+/-0.307 χ^2/NDF:546091.3/40

Out: 2226.983+/-0.303 χ^2/NDF:201830.3/43

All: 2222.529+/-0.216 χ^2/NDF: 748361.3/84

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -138.530+/-639.243 χ^2/NDF: 17.1/17

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1064.379+/-645.975 χ^2/NDF: 20.5/19

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

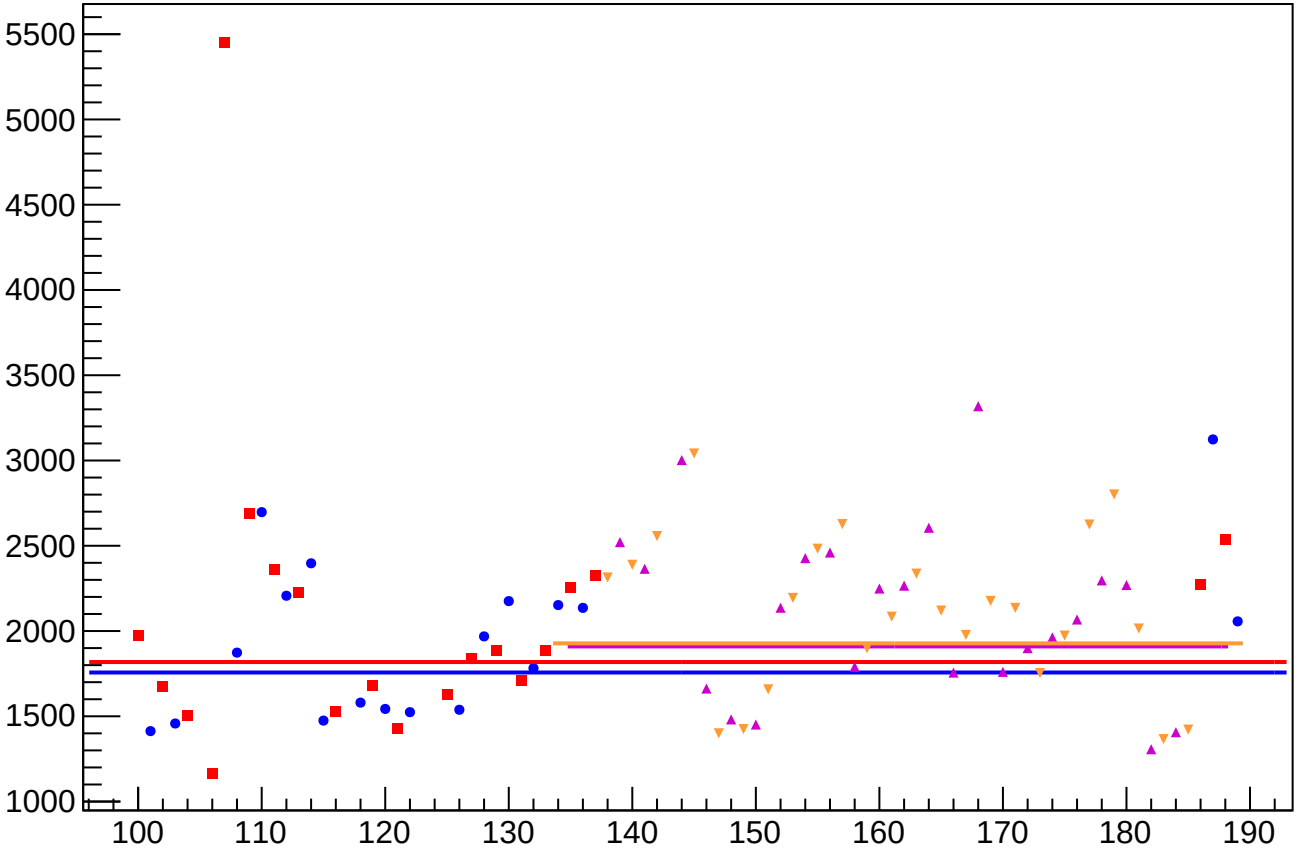
Right: -596.605+/-454.374 χ^2/NDF: 38.7/37

In: -108.302+/-373.734 χ^2/NDF:29.9/40

Out: -646.449+/-375.989 χ^2/NDF:52.5/43

All: -375.758+/-265.064 χ^2/NDF: 83.4/84

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1756.798+/-0.452 χ^2/NDF: 576308.6/17

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1818.223+/-0.457 χ^2/NDF: 948229.2/19

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

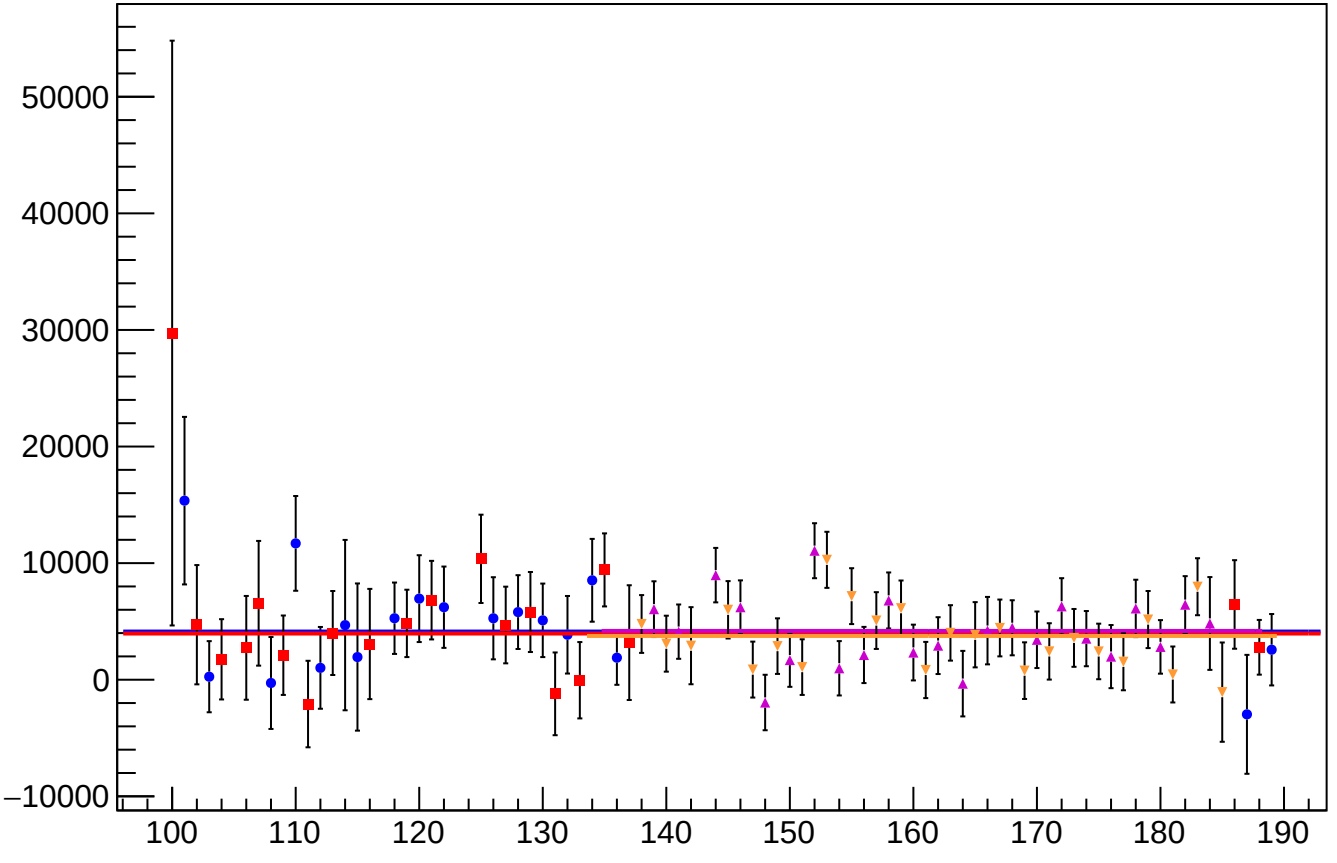
Right: 1787.189+/-0.321 χ^2/NDF: 1533674.3/37

In: 1857.381+/-0.264 χ^2/NDF:2593827.4/40

Out: 1890.584+/-0.266 χ^2/NDF:2784591.1/43

All: 1873.883+/-0.187 χ^2/NDF: 5386263.7/84

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4131.572+/-839.547 χ^2/NDF: 15.9/17

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 3962.813+/-813.220 χ^2/NDF: 16.2/19

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

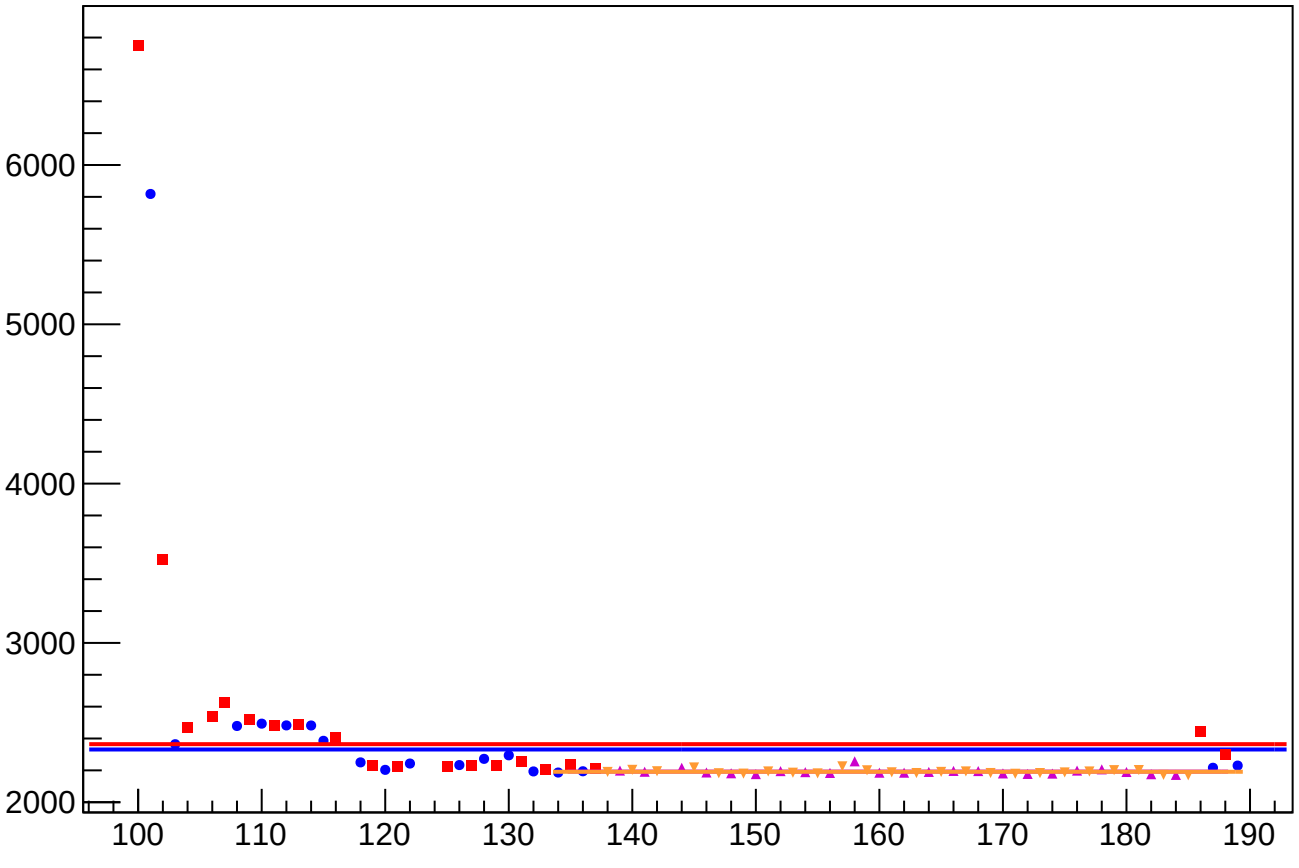
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4044.505+/-584.119 χ^2/NDF: 32.1/37

In: 4169.948+/-437.040 χ^2/NDF:48.6/40

Out: 3812.753+/-431.192 χ^2/NDF:41.9/43

All: 3988.945+/-306.946 χ^2/NDF: 90.8/84



Right In: 2330.984+/-0.594 χ^2/NDF: 506421.3/17

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2364.425+/-0.575 χ^2/NDF: 212647.2/19

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

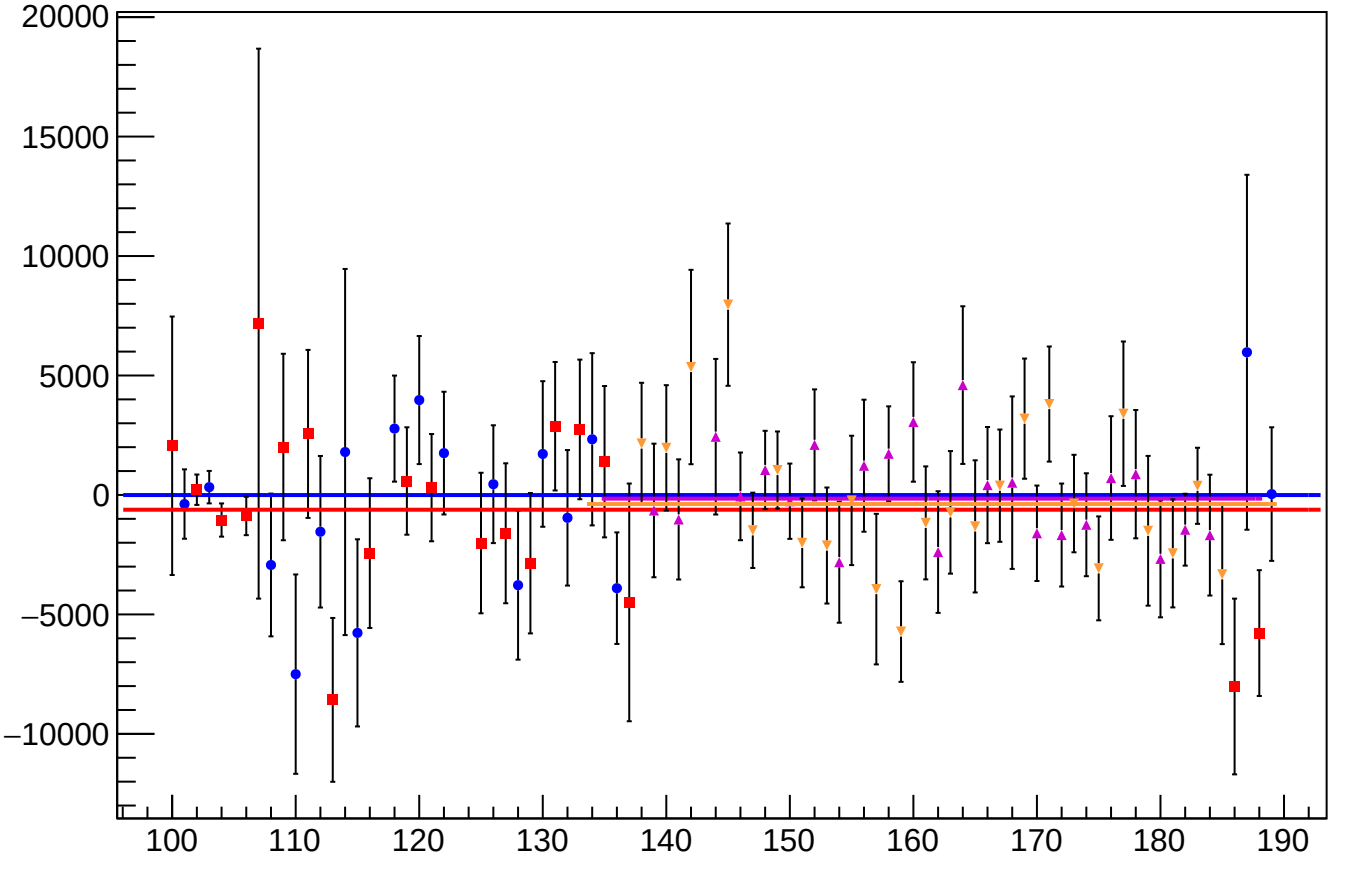
Right: 2348.237+/-0.413 χ^2/NDF: 720705.6/37

In: 2229.810+/-0.309 χ^2/NDF:548545.5/40

Out: 2239.863+/-0.305 χ^2/NDF:279151.4/43

All: 2234.904+/-0.217 χ^2/NDF: 828233.2/84

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -4.633+/-477.187 χ^2/NDF: 17.0/17

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -618.083+/-357.480 χ^2/NDF: 23.2/19

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

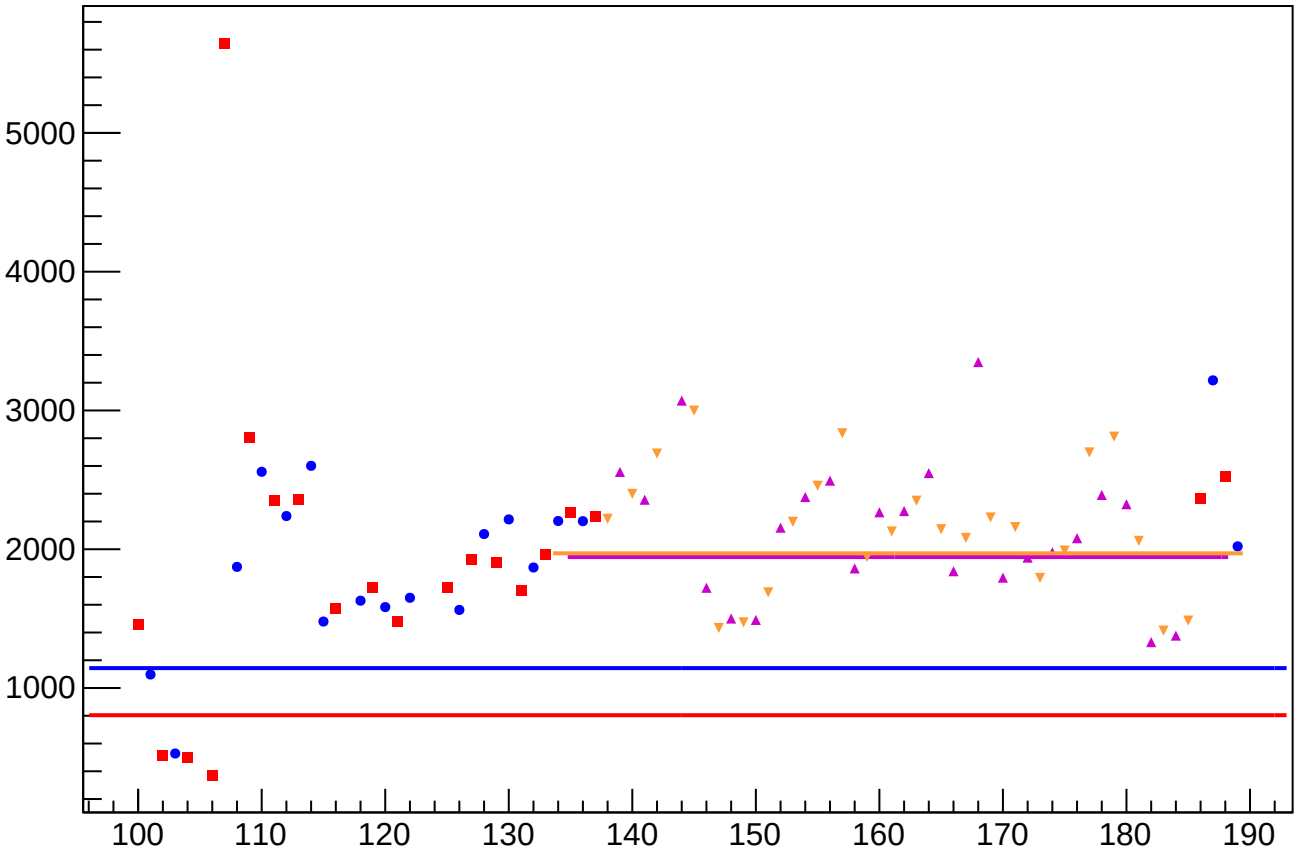
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -397.564+/-286.102 χ^2/NDF: 41.2/37

In: -81.029+/-334.126 χ^2/NDF:29.8/40

Out: -531.353+/-284.858 χ^2/NDF:54.1/43

All: -341.809+/-216.772 χ^2/NDF: 85.0/84



Right In: 1143.436+/-0.337 χ^2/NDF: 4109890.6/17

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 804.114+/-0.253 χ^2/NDF: 6847118.9/19

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

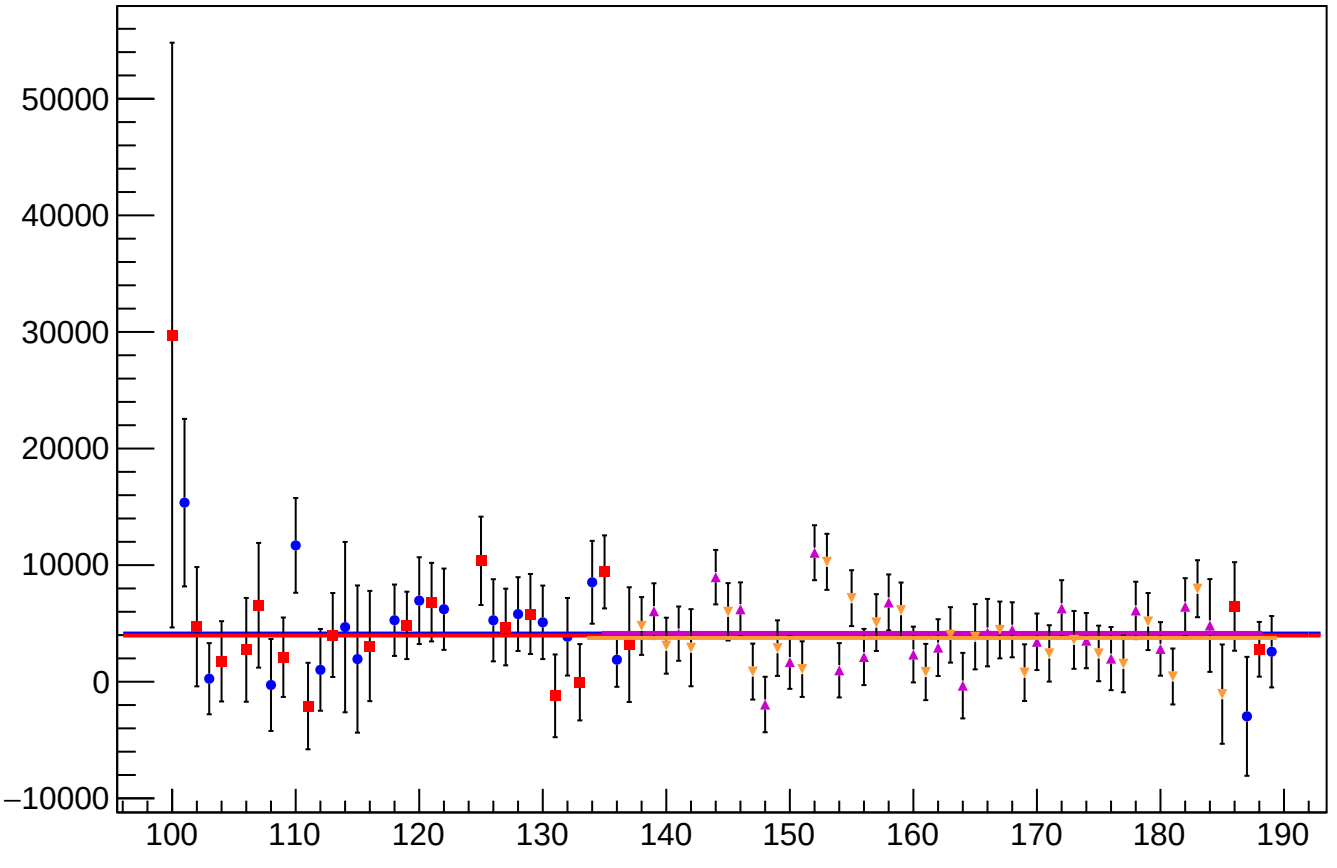
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 926.091+/-0.202 χ^2/NDF: 11604770.7/37

In: 1551.309+/-0.236 χ^2/NDF:8859458.3/40

Out: 1229.938+/-0.201 χ^2/NDF:16317961.3/43

All: 1365.205+/-0.153 χ^2/NDF: 26248872.9/8



Right In: 4131.568+/-839.547 χ^2/NDF: 15.9/17

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 3962.808+/-813.220 χ^2/NDF: 16.2/19

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

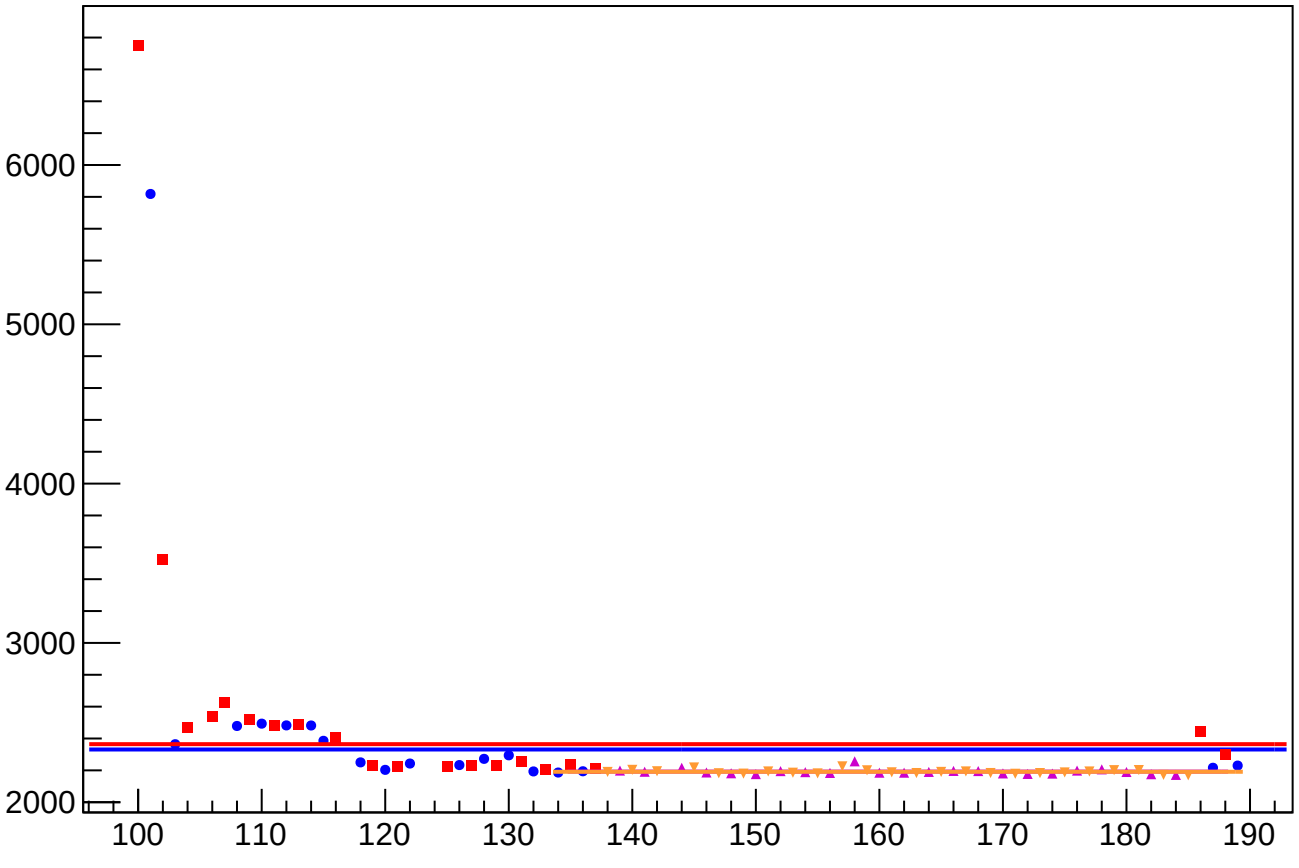
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4044.501+/-584.119 χ^2/NDF: 32.1/37

In: 4169.948+/-437.040 χ^2/NDF:48.6/40

Out: 3812.750+/-431.192 χ^2/NDF:41.9/43

All: 3988.944+/-306.946 χ^2/NDF: 90.8/84



Right In: 2330.983+/-0.594 χ^2/NDF: 506421.2/17

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2364.425+/-0.575 χ^2/NDF: 212646.1/19

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

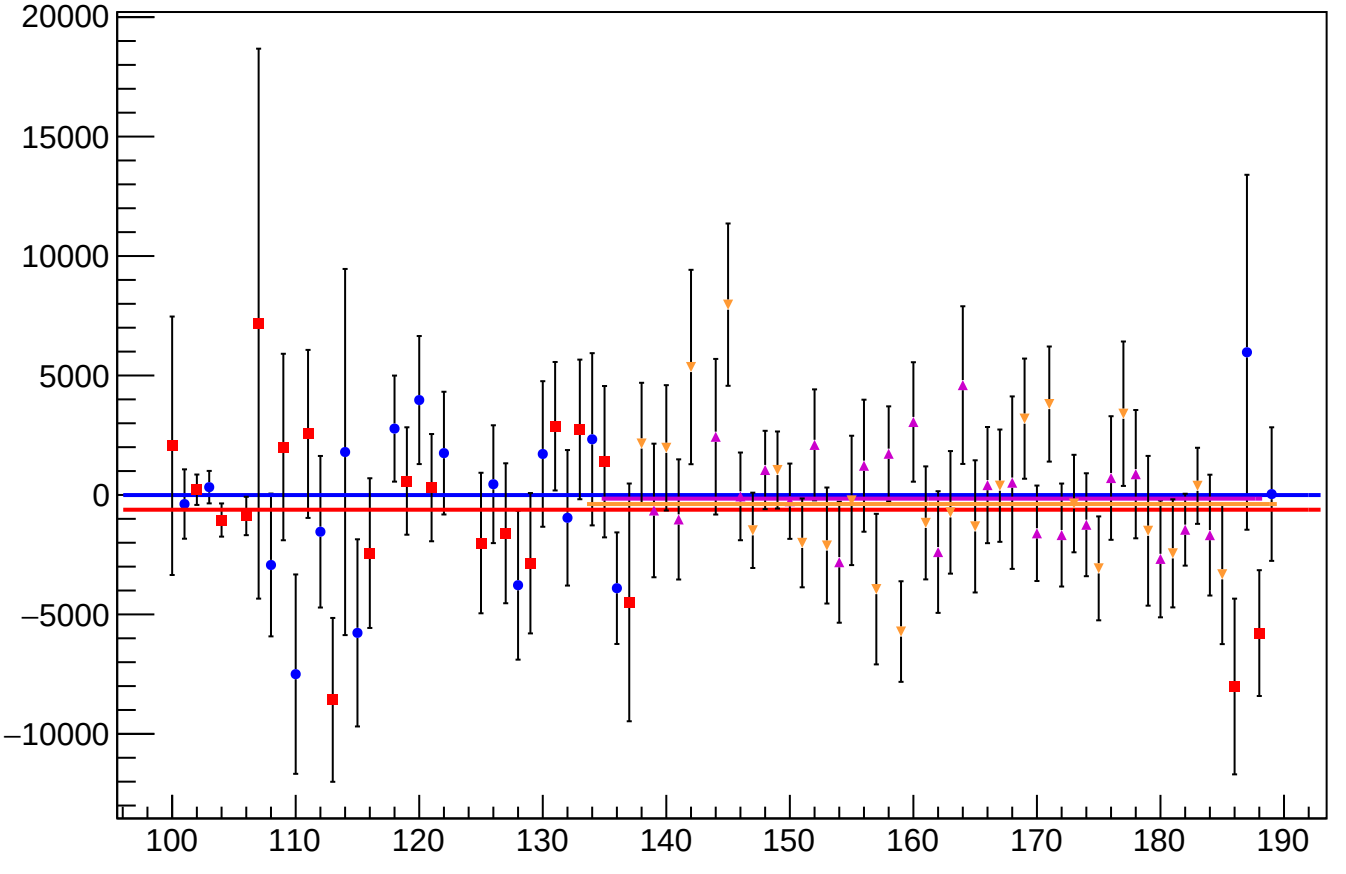
Right: 2348.237+/-0.413 χ^2/NDF: 720704.6/37

In: 2229.810+/-0.309 χ^2/NDF:548545.3/40

Out: 2239.863+/-0.305 χ^2/NDF:279150.0/43

All: 2234.904+/-0.217 χ^2/NDF: 828231.5/84

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -4.640+/-477.189 χ^2/NDF: 17.0/17

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -618.090+/-357.485 χ^2/NDF: 23.2/19

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

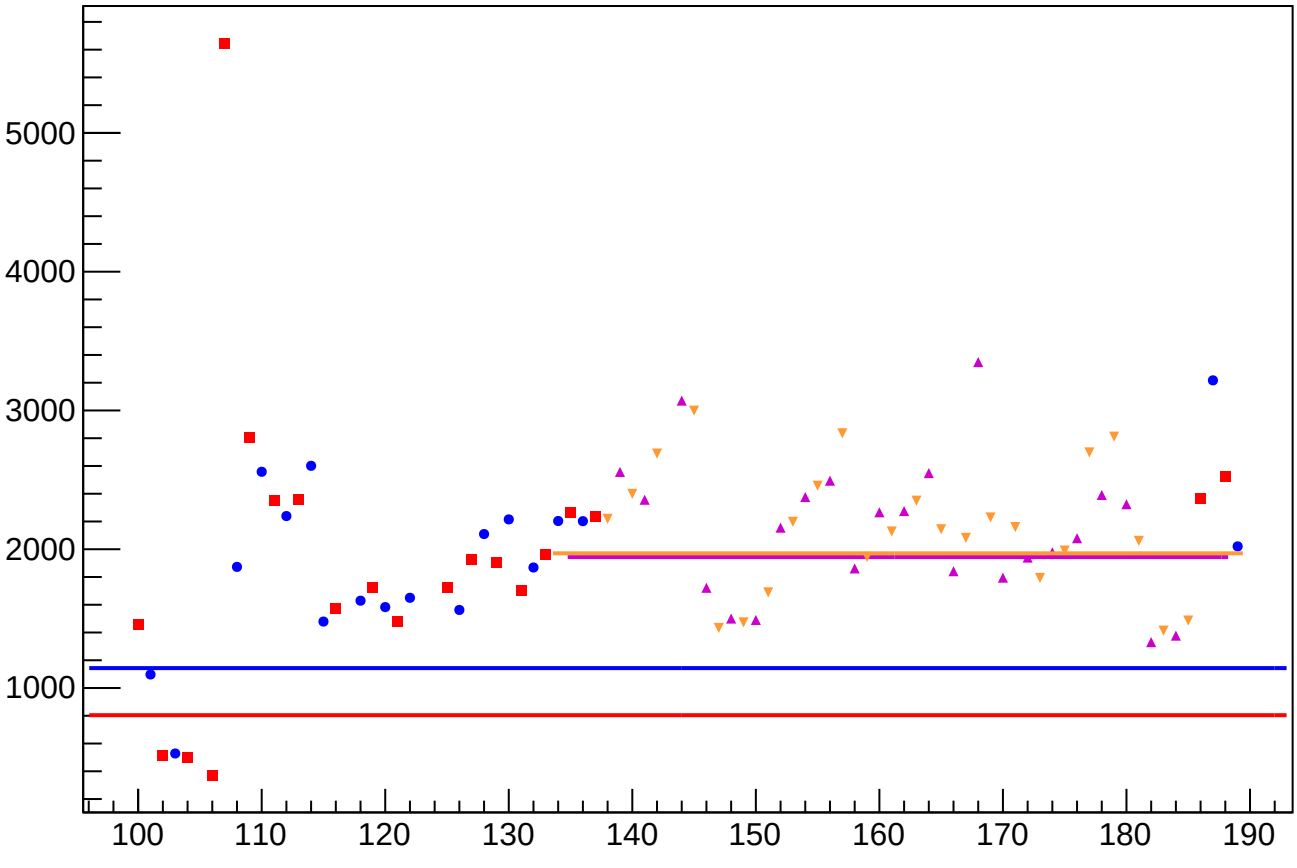
Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

Right: -397.569+/-286.105 χ^2/NDF: 41.2/37

In: -81.033+/-334.128 χ^2/NDF:29.8/40

Out: -531.358+/-284.861 χ^2/NDF:54.1/43

All: -341.812+/-216.773 χ^2/NDF: 85.0/84



Right In: 1143.446+/-0.337 χ^2/NDF: 4109810.3/17

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 804.130+/-0.253 χ^2/NDF: 6846979.9/19

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

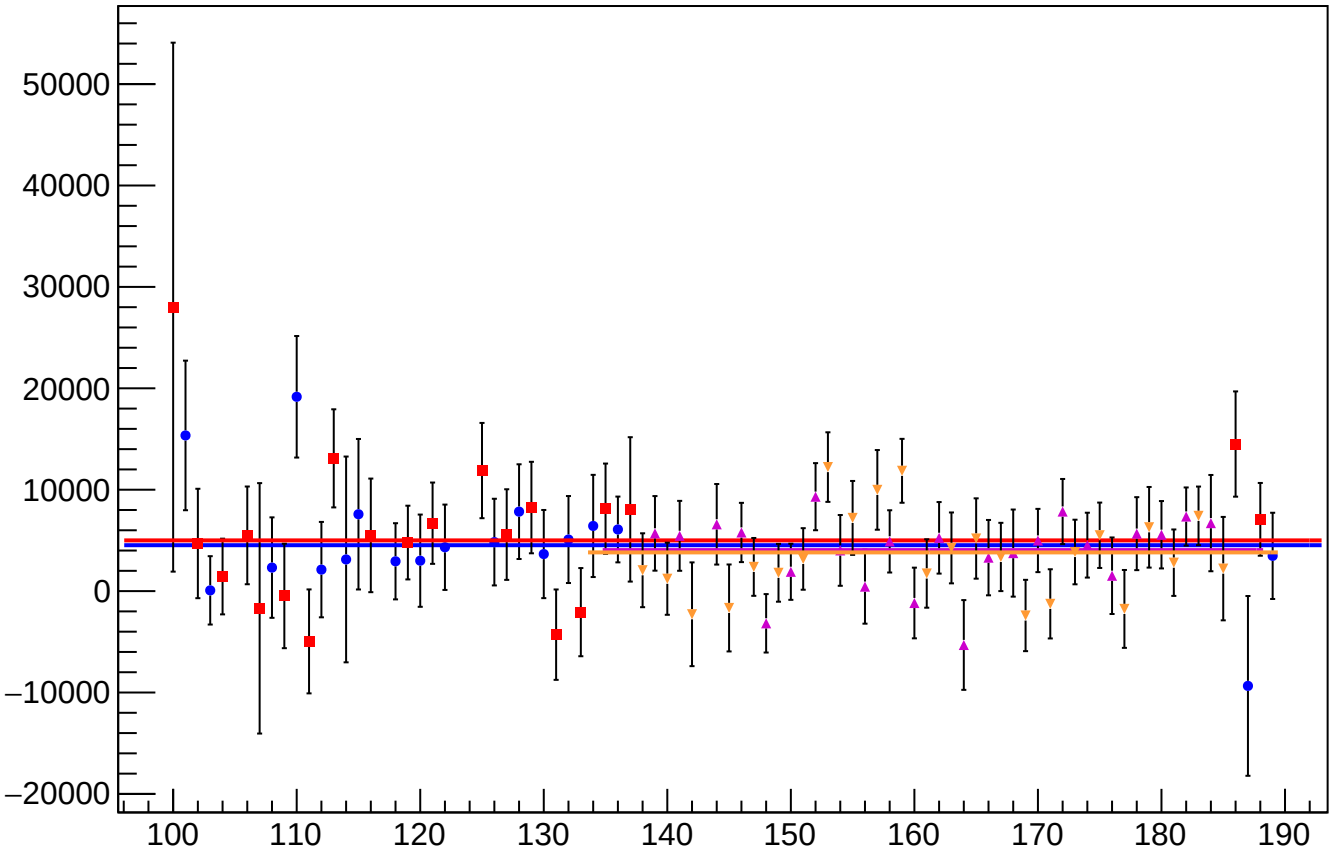
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 926.106+/-0.202 χ^2/NDF: 11604518.4/37

In: 1551.317+/-0.236 χ^2/NDF:8859310.8/40

Out: 1229.955+/-0.201 χ^2/NDF:16317567.8/43

All: 1365.219+/-0.153 χ^2/NDF: 26248257.9/8



Right In: 4527.376+/-1094.947 χ^2/NDF: 14.3/17

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5001.964+/-1067.109 χ^2/NDF: 23.9/19

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

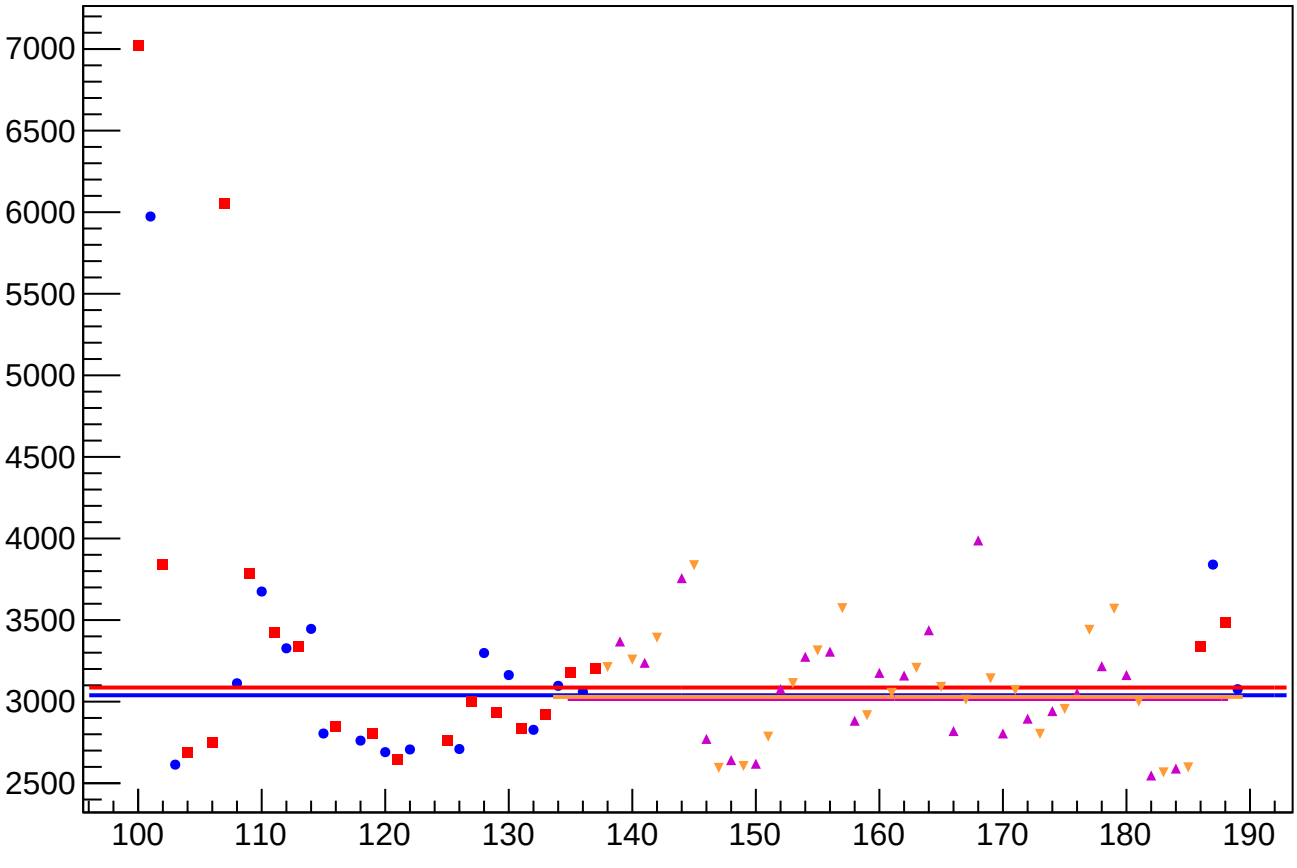
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4770.779+/-764.212 χ^2/NDF: 38.3/37

In: 4185.850+/-595.469 χ^2/NDF:36.9/40

Out: 4179.988+/-590.140 χ^2/NDF:55.7/43

All: 4182.893+/-419.163 χ^2/NDF: 92.6/84



Right In: 3039.063+/-0.774 χ^2/NDF: 460575.6/17

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3086.446+/-0.755 χ^2/NDF: 376012.4/19

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

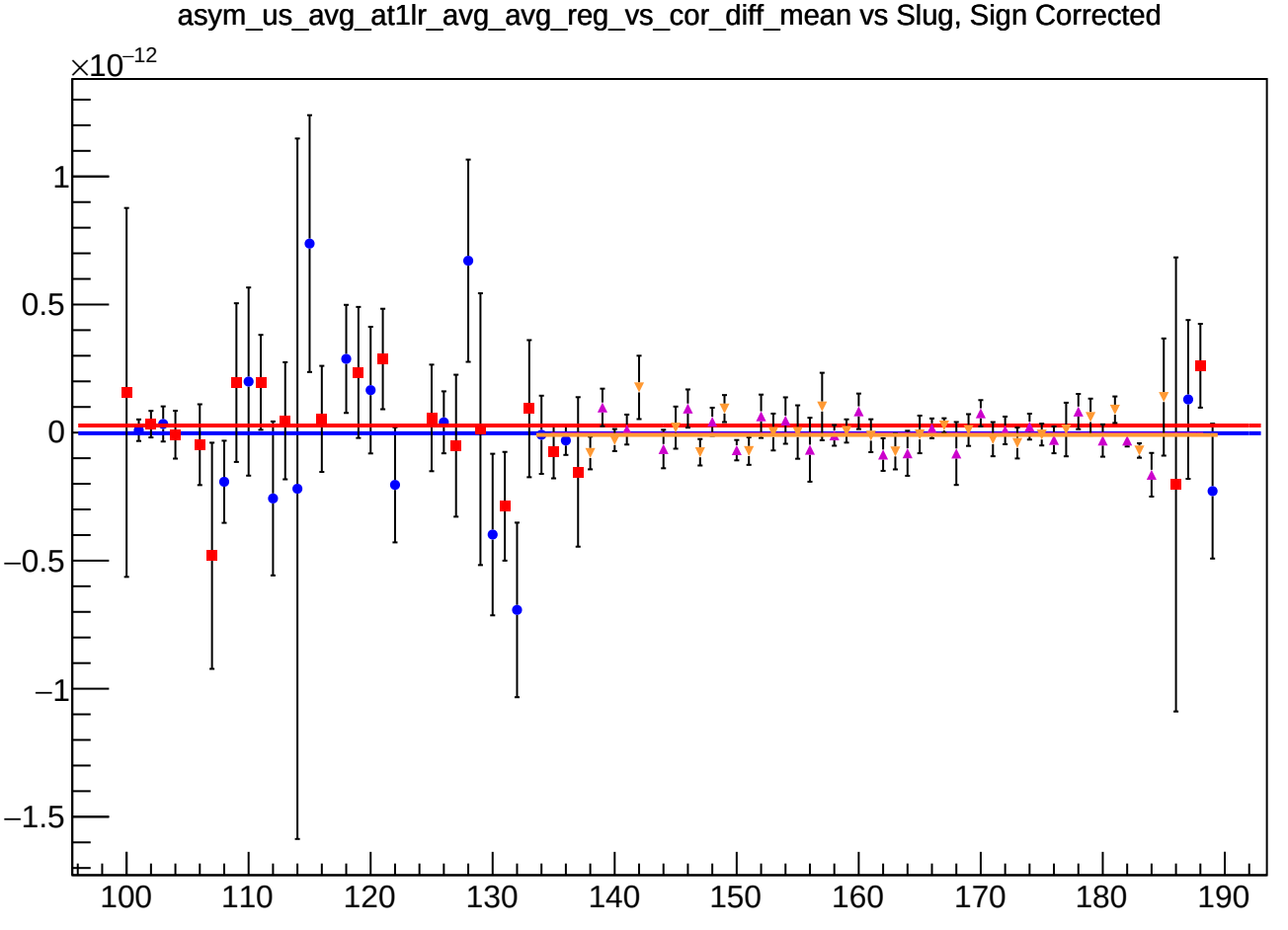
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3063.364+/-0.540 χ^2/NDF: 838508.9/37

In: 3022.998+/-0.421 χ^2/NDF:901084.7/40

Out: 3046.558+/-0.417 χ^2/NDF:777149.4/43

All: 3034.884+/-0.296 χ^2/NDF: 1679813.5/84



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11.2/19

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

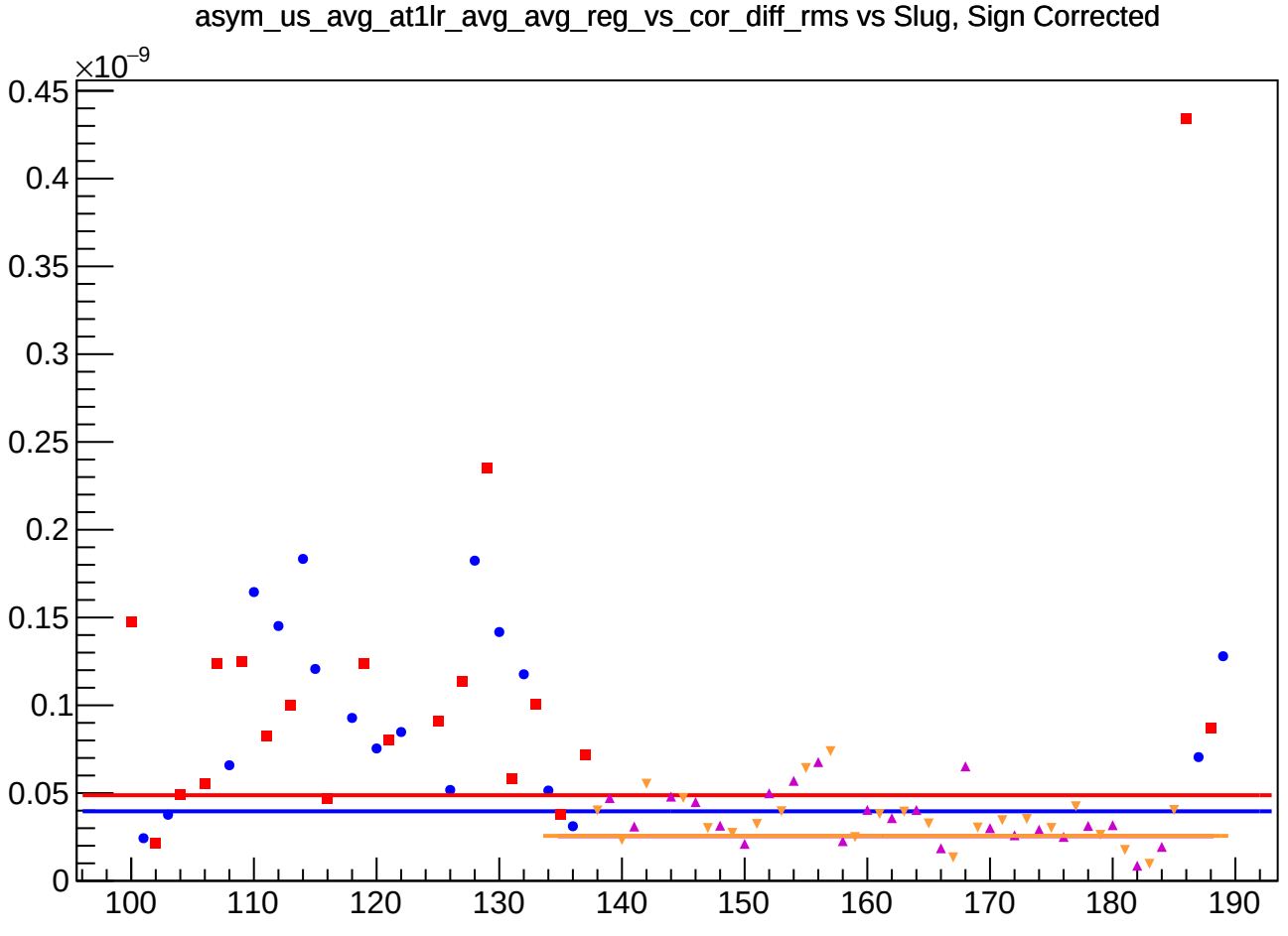
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 29.7/37

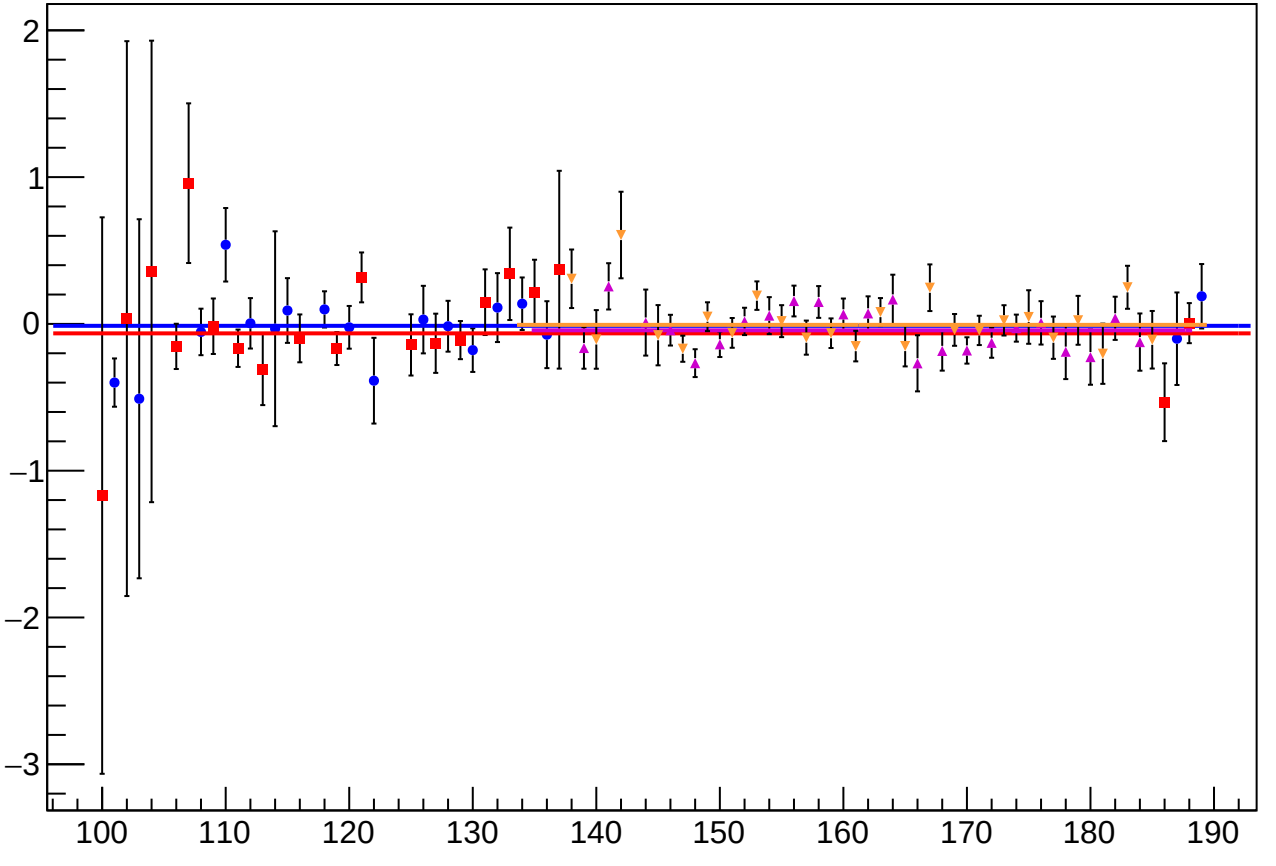
In: -0.000+/-0.000 χ^2/NDF:41.3/40

Out: -0.000+/-0.000 χ^2/NDF:36.4/43

All: -0.000+/-0.000 χ^2/NDF: 77.7/84


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2020024.8/17
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2194191.4/19
Left In: 0.000+/-0.000 χ²/NDF:2808054.6/22
Left: 0.000+/-0.000 χ²/NDF: 5248211.8/46
Right: 0.000+/-0.000 χ²/NDF: 4304150.6/37
In: 0.000+/-0.000 χ²/NDF:5297795.7/40
Out: 0.000+/-0.000 χ²/NDF:5483362.5/43
All: 0.000+/-0.000 χ²/NDF: 10782435.6/84

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

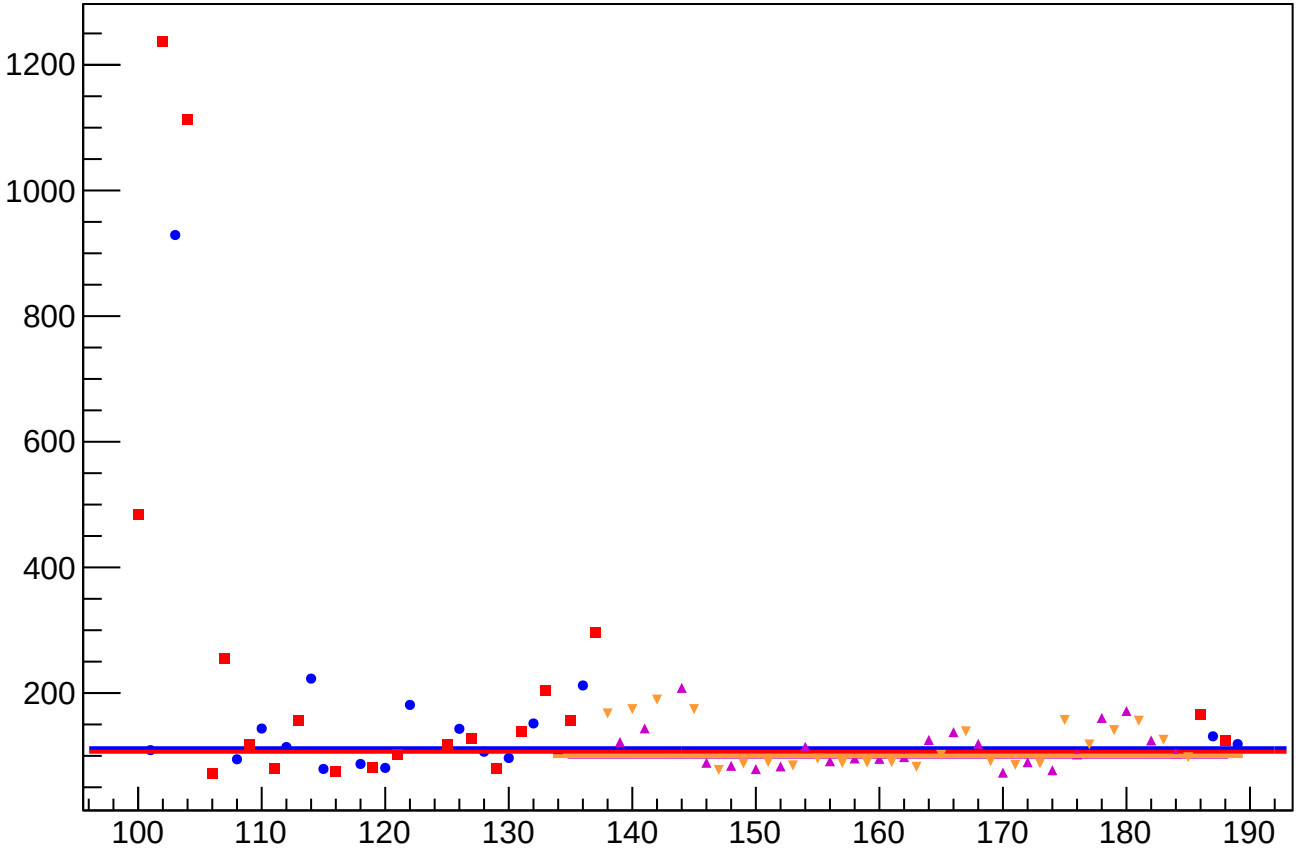
Right: -0.040+/-0.032 χ^2/NDF: 37.5/37

In: -0.037+/-0.022 χ^2/NDF:47.2/40

Out: -0.021+/-0.022 χ^2/NDF:49.3/43

All: -0.029+/-0.016 χ^2/NDF: 96.7/84

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.149+/-0.033 χ^2/NDF: 1848882.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 106.546+/-0.031 χ^2/NDF: 2974191.5/19

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

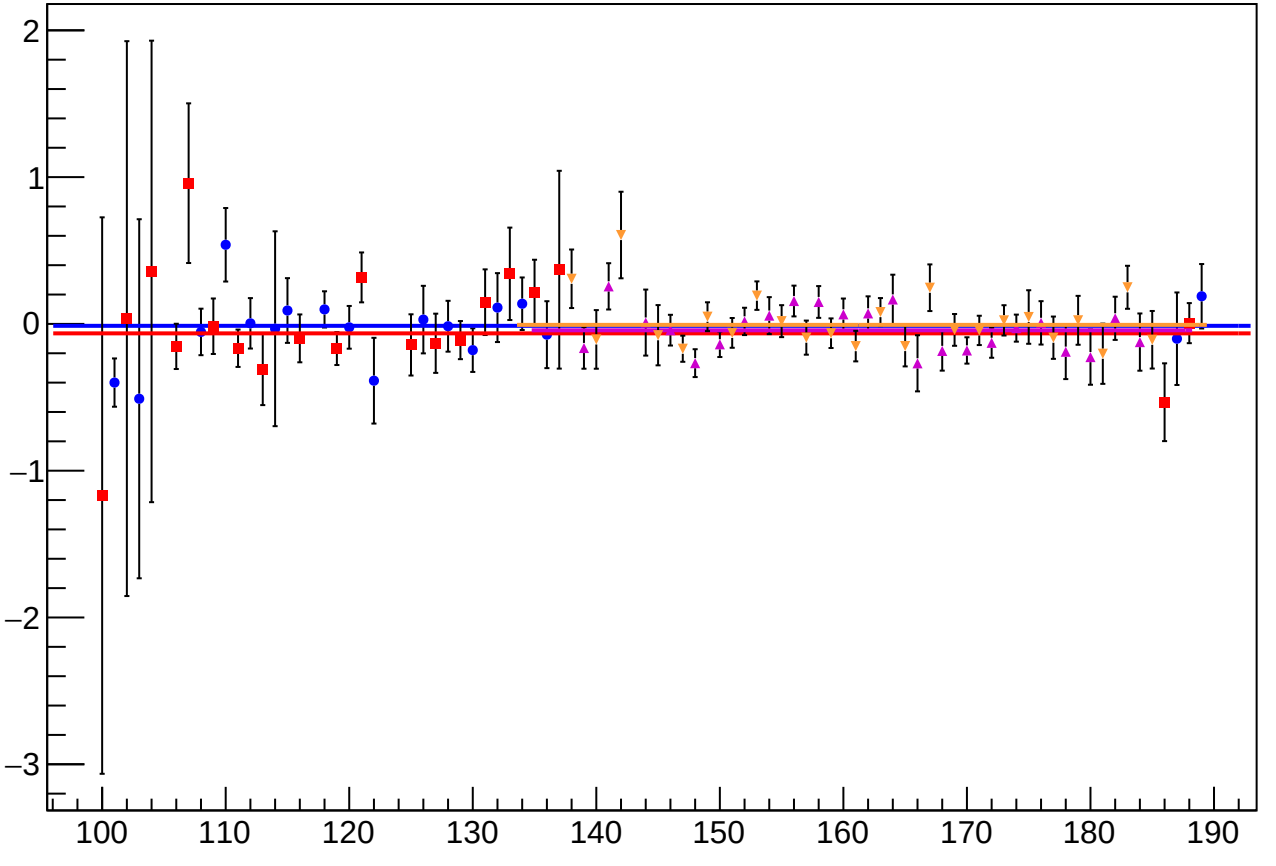
Right: 109.178+/-0.022 χ^2/NDF: 4838777.7/37

In: 101.750+/-0.016 χ^2/NDF:3984482.8/40

Out: 101.360+/-0.015 χ^2/NDF:5083583.3/43

All: 101.553+/-0.011 χ^2/NDF: 9068382.1/84

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

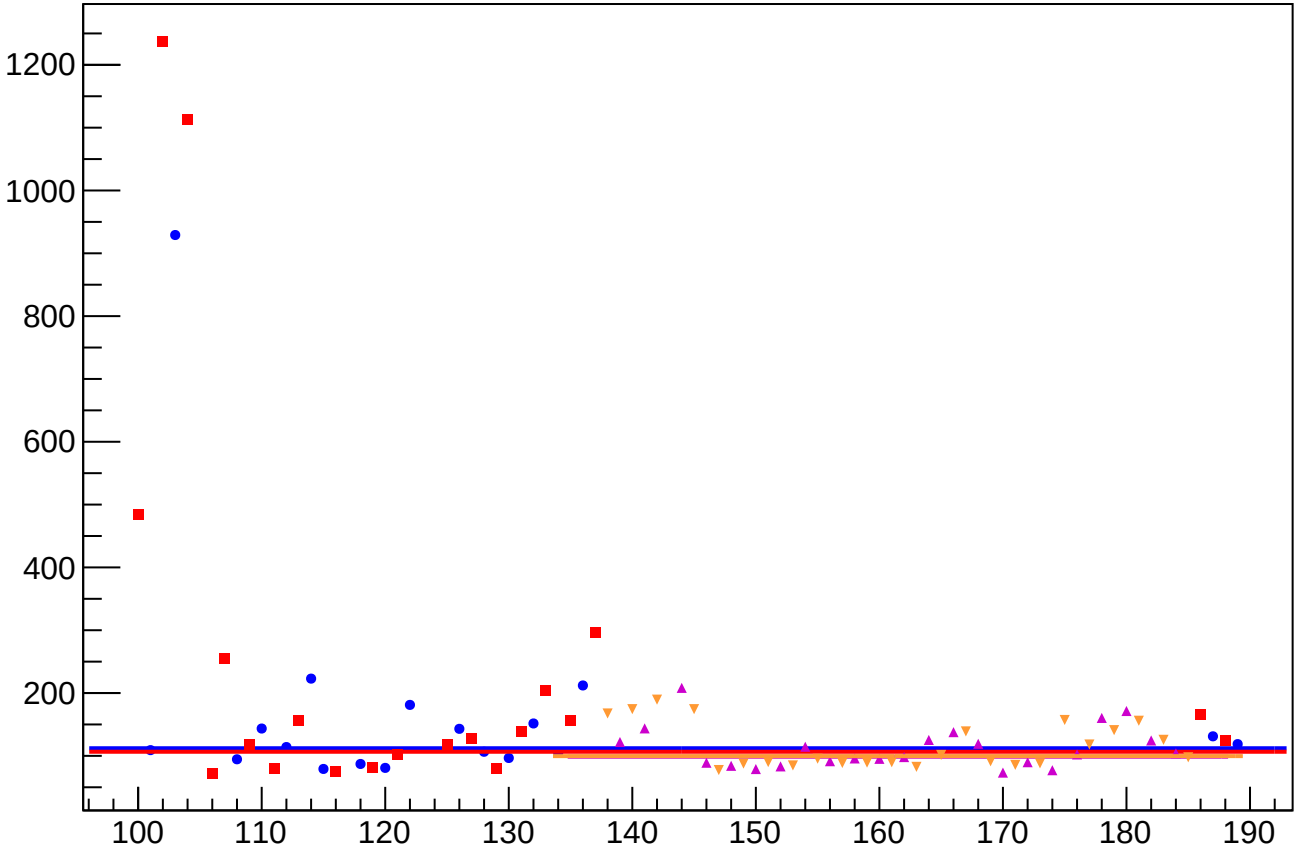
Right: -0.040+/-0.032 χ^2/NDF: 37.5/37

In: -0.037+/-0.022 χ^2/NDF:47.2/40

Out: -0.021+/-0.022 χ^2/NDF:49.3/43

All: -0.029+/-0.016 χ^2/NDF: 96.7/84

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.149+/-0.033 χ^2/NDF: 1848882.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 106.546+/-0.031 χ^2/NDF: 2974191.5/19

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

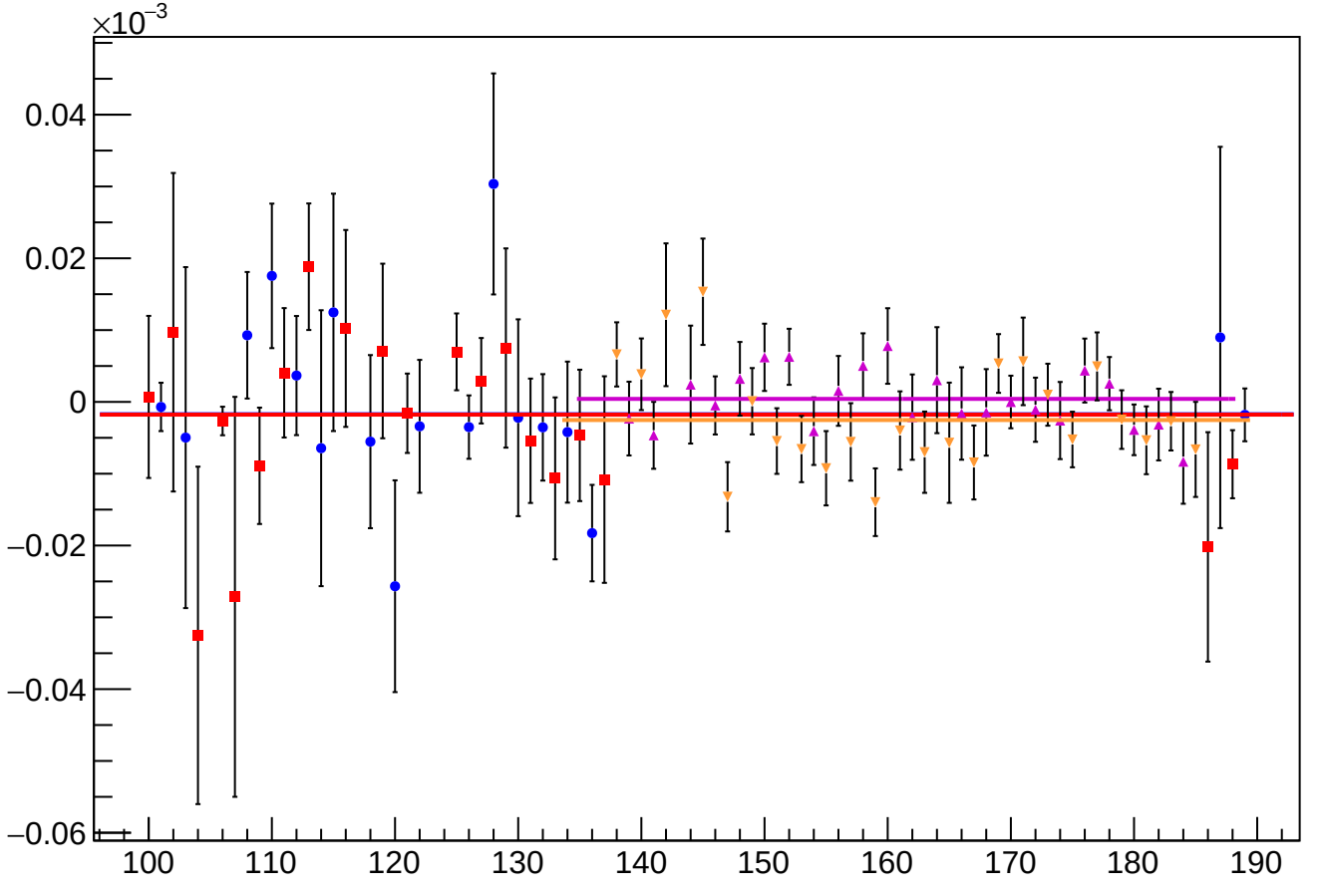
Right: 109.178+/-0.022 χ^2/NDF: 4838777.7/37

In: 101.750+/-0.016 χ^2/NDF:3984482.8/40

Out: 101.360+/-0.015 χ^2/NDF:5083583.3/43

All: 101.553+/-0.011 χ^2/NDF: 9068382.1/84

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/19

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

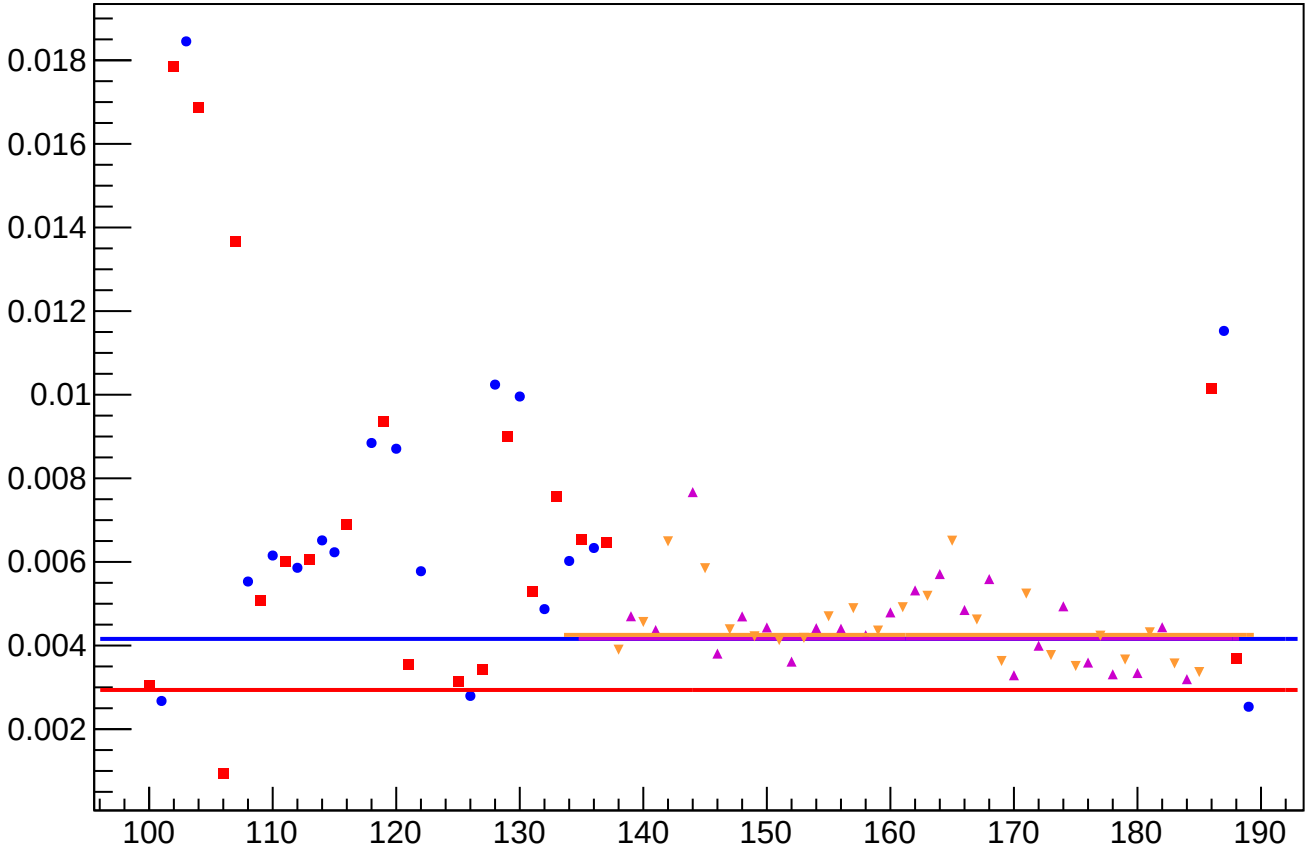
Right: -0.000+/-0.000 χ^2/NDF: 39.7/37

In: -0.000+/-0.000 χ^2/NDF:37.3/40

Out: -0.000+/-0.000 χ^2/NDF:59.9/43

All: -0.000+/-0.000 χ^2/NDF: 100.4/84

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: 3645186.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7083132.1/19

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

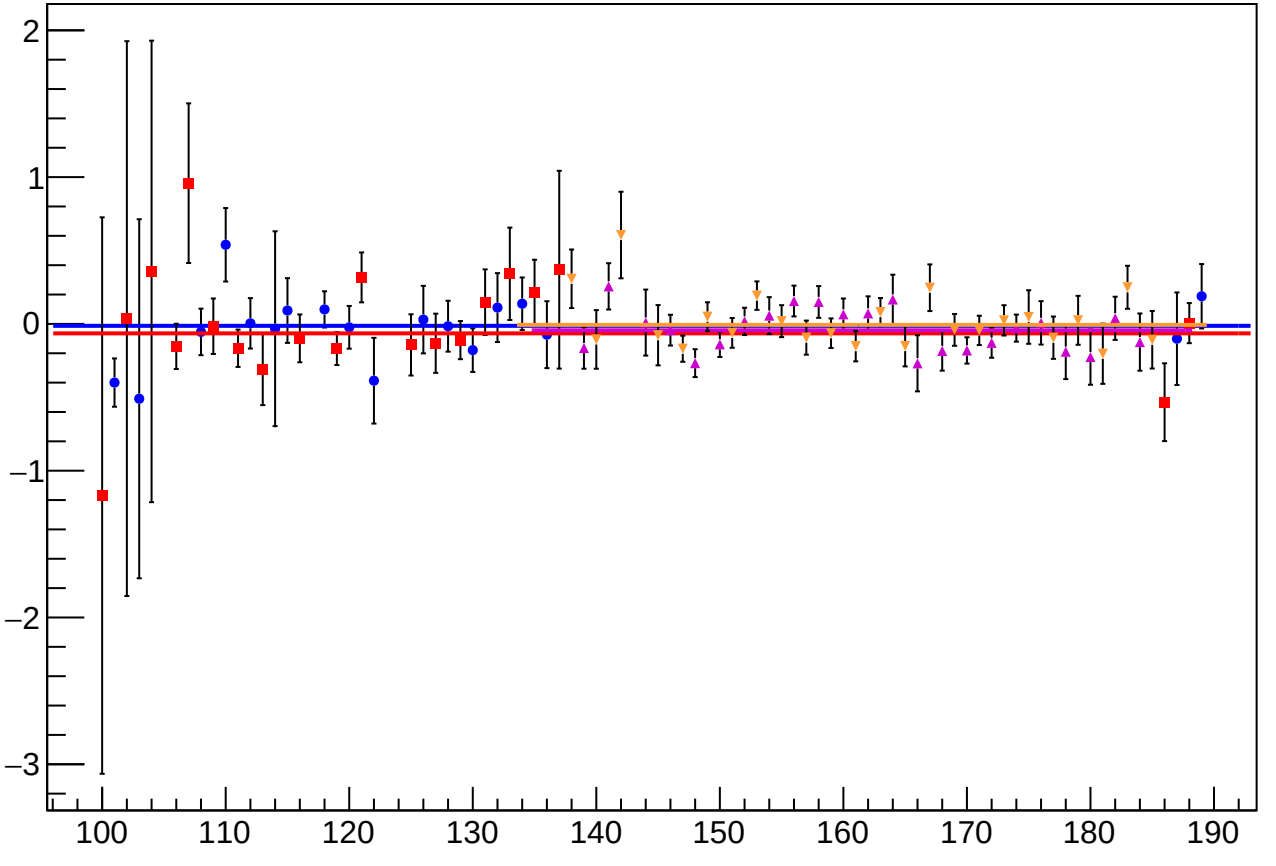
Right: 0.003+/-0.000 χ^2/NDF: 11339088.6/37

In: 0.004+/-0.000 χ^2/NDF:4922645.3/40

Out: 0.004+/-0.000 χ^2/NDF:9074167.1/43

All: 0.004+/-0.000 χ^2/NDF: 14178900.0/84

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

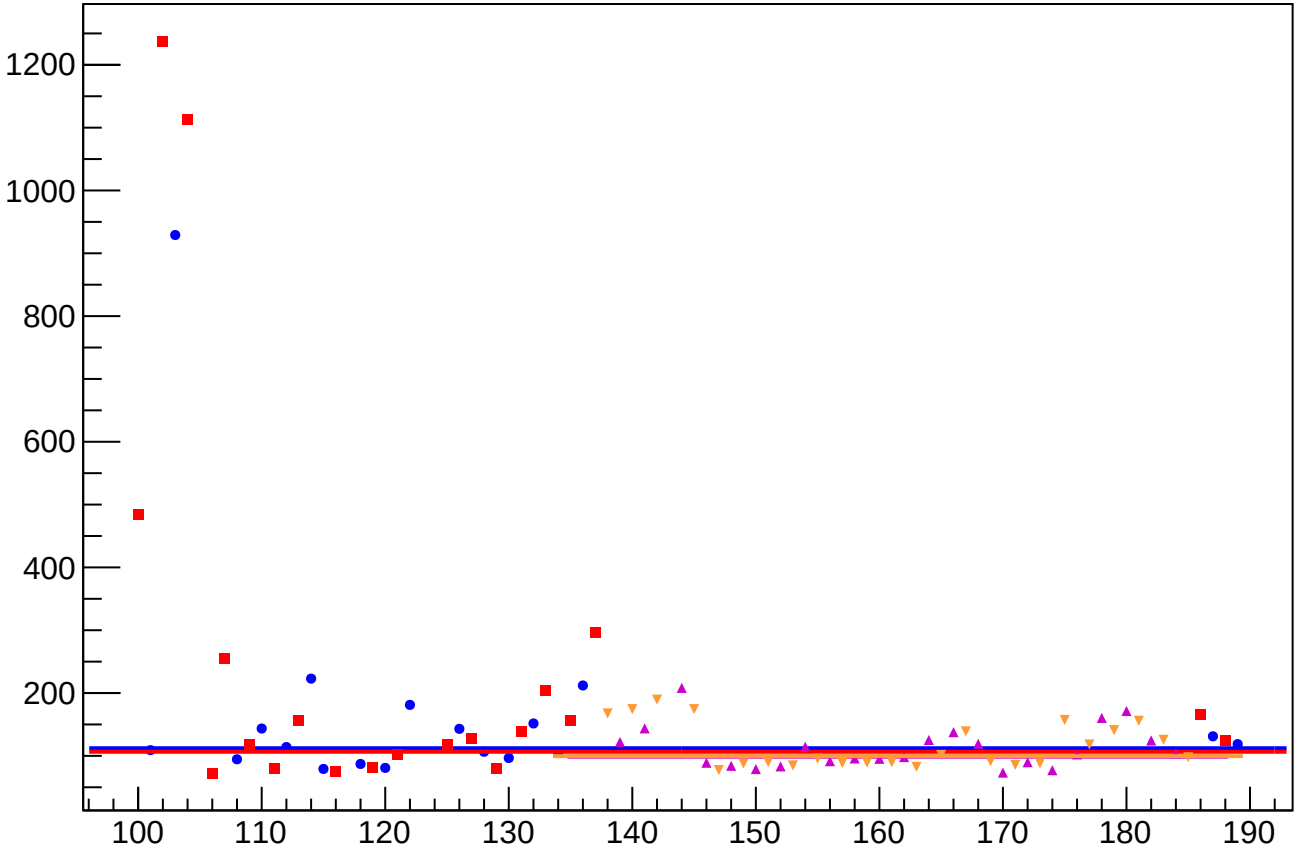
Right: -0.040+/-0.032 χ^2/NDF: 37.5/37

In: -0.037+/-0.022 χ^2/NDF:47.2/40

Out: -0.021+/-0.022 χ^2/NDF:49.3/43

All: -0.029+/-0.016 χ^2/NDF: 96.7/84

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.147+/-0.033 χ^2/NDF: 1848938.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 106.544+/-0.031 χ^2/NDF: 2974211.7/19

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

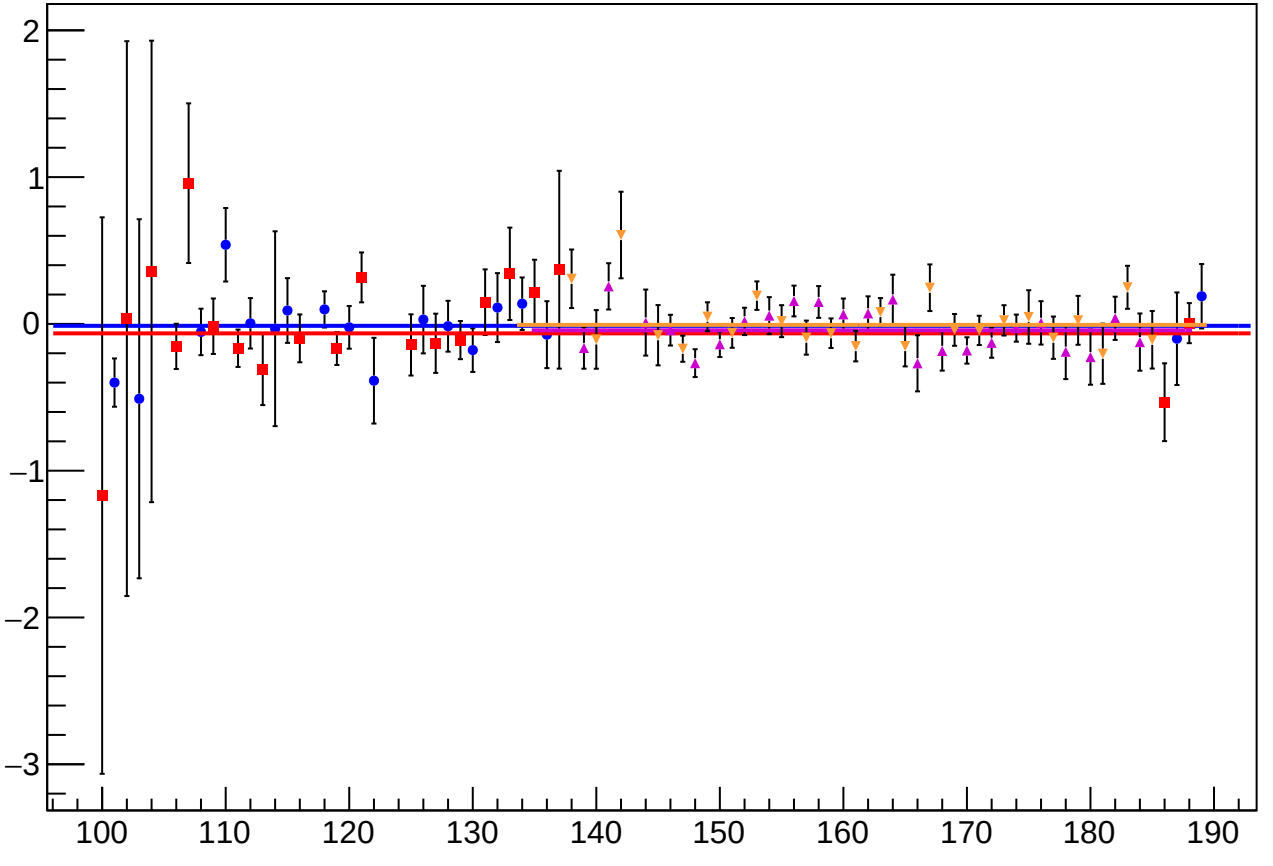
Right: 109.176+/-0.022 χ^2/NDF: 4838848.6/37

In: 101.749+/-0.016 χ^2/NDF:3984455.1/40

Out: 101.360+/-0.015 χ^2/NDF:5083546.7/43

All: 101.553+/-0.011 χ^2/NDF: 9068317.3/84

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.046 χ^2/NDF: 16.6/17

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

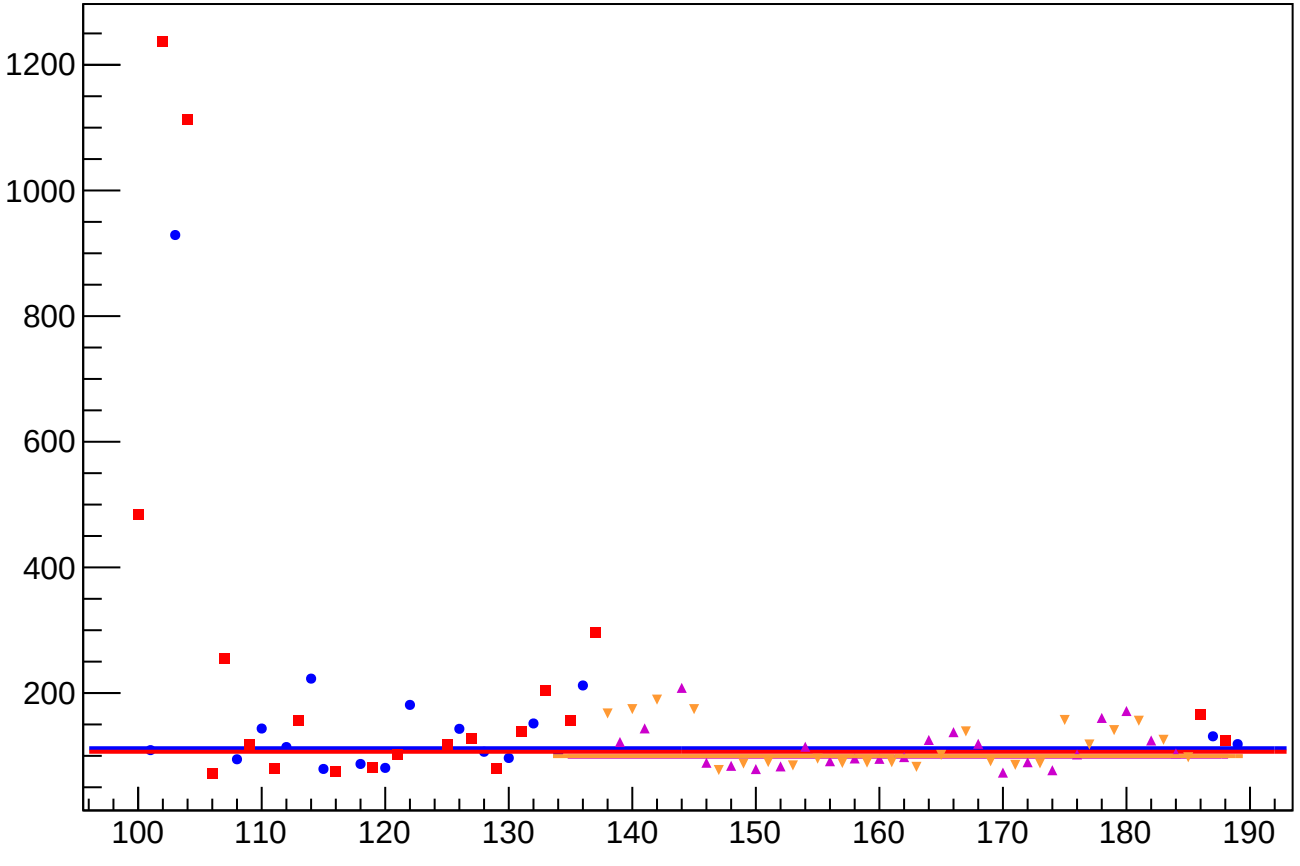
Right: -0.040+/-0.032 χ^2/NDF: 37.5/37

In: -0.037+/-0.022 χ^2/NDF:47.2/40

Out: -0.021+/-0.022 χ^2/NDF:49.3/43

All: -0.029+/-0.016 χ^2/NDF: 96.7/84

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.147+/-0.033 χ^2/NDF: 1848938.4/17

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 106.544+/-0.031 χ^2/NDF: 2974211.7/19

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

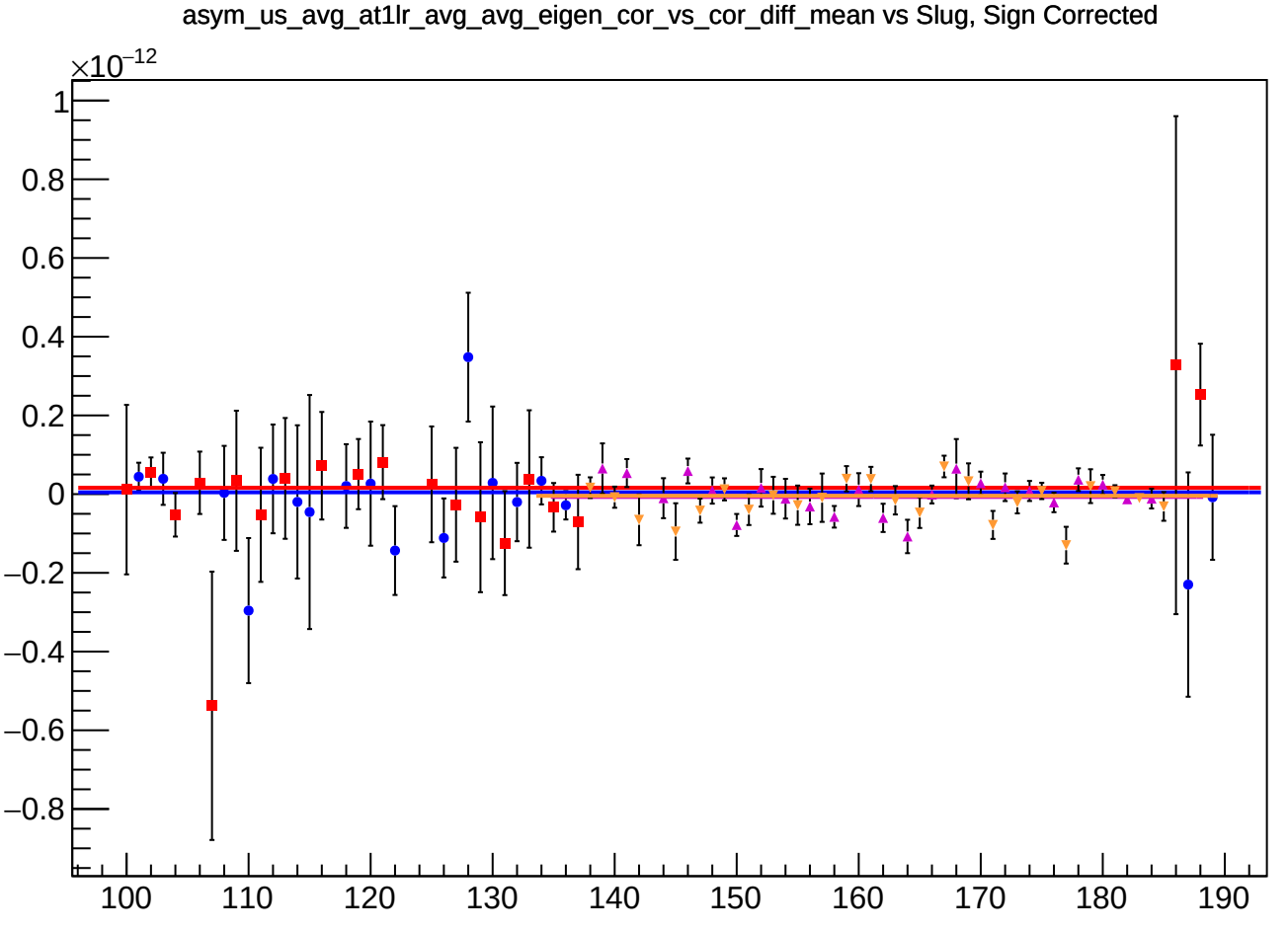
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

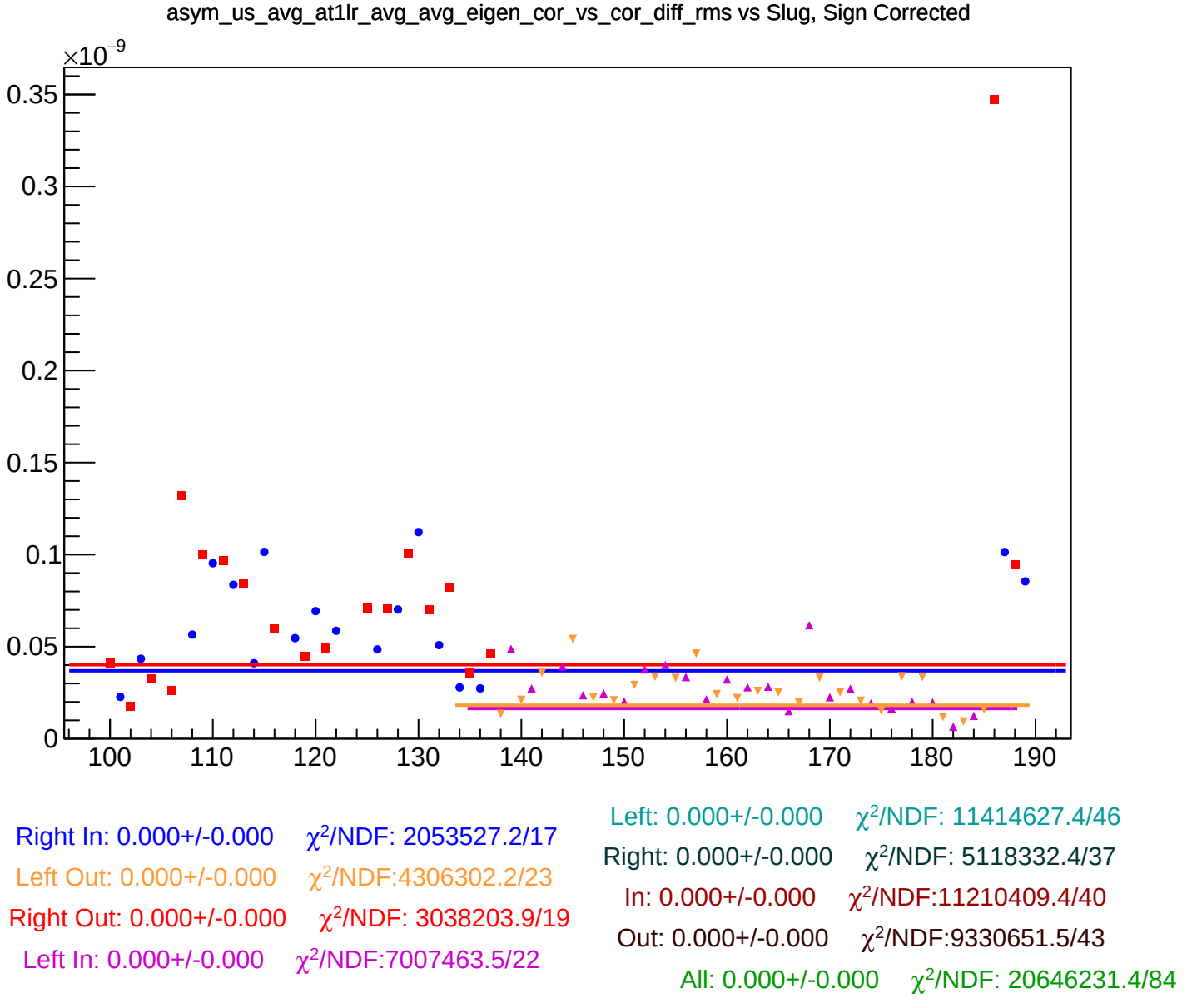
Right: 109.176+/-0.022 χ^2/NDF: 4838848.6/37

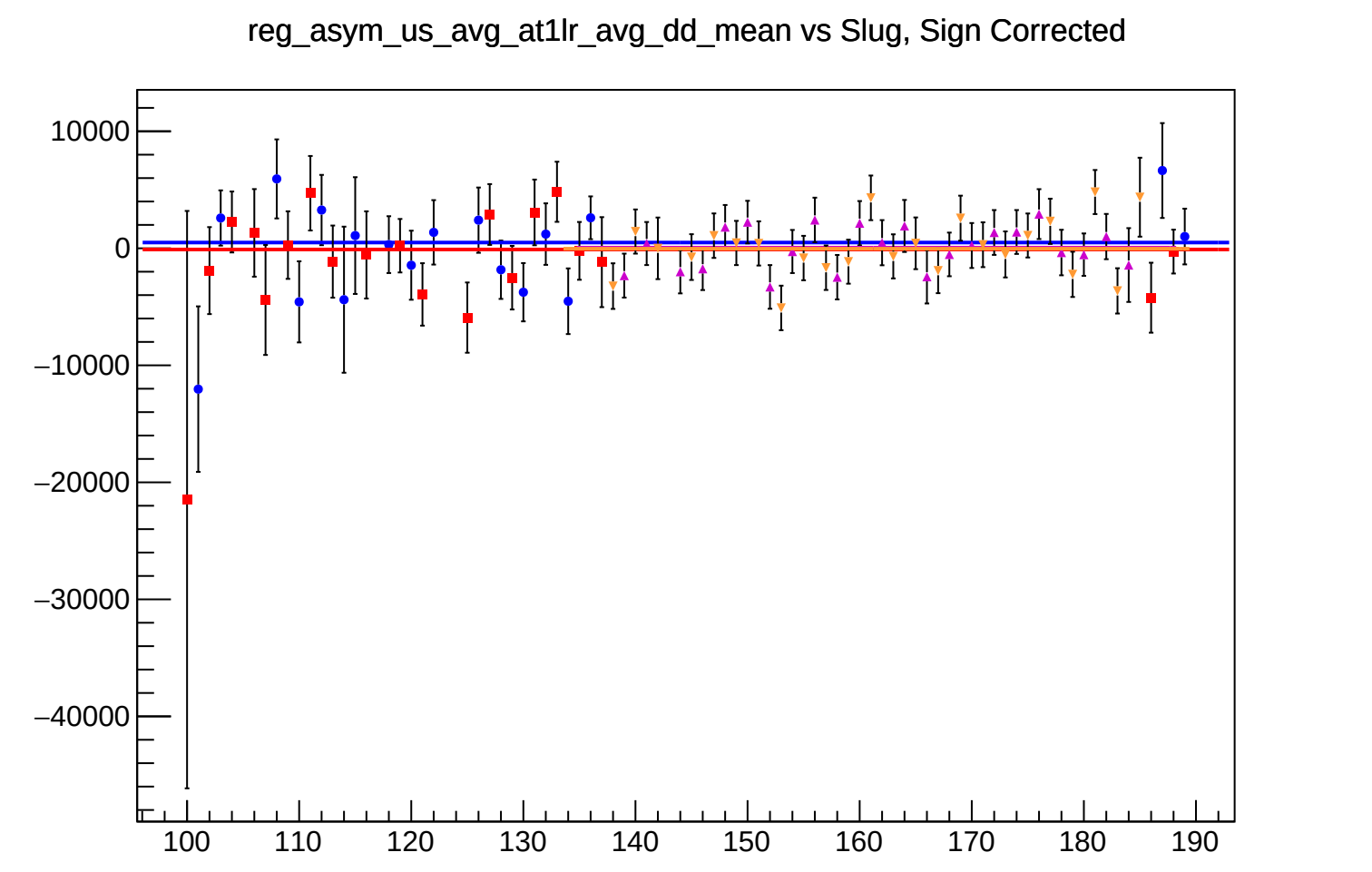
In: 101.749+/-0.016 χ^2/NDF:3984455.1/40

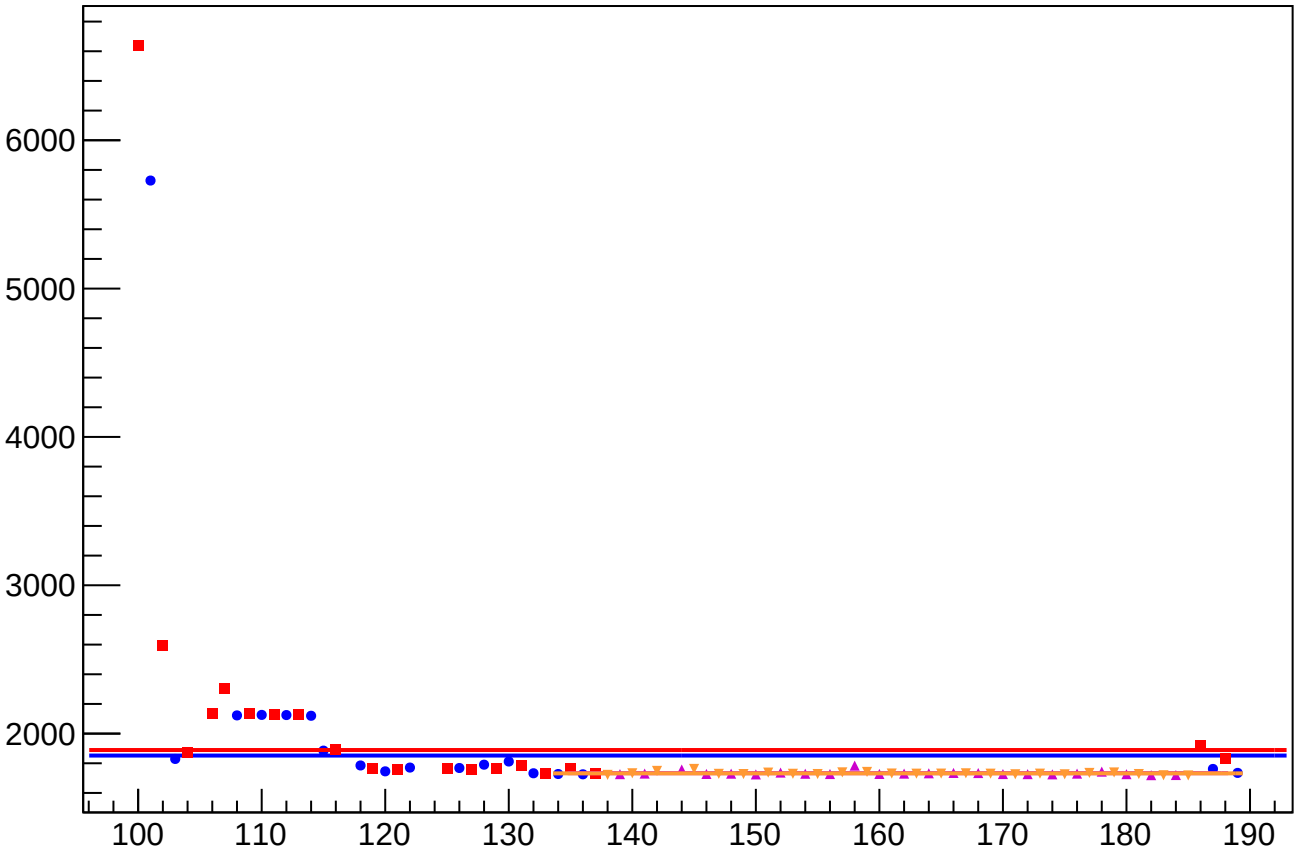
Out: 101.360+/-0.015 χ^2/NDF:5083546.7/43

All: 101.553+/-0.011 χ^2/NDF: 9068317.3/84


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 13.6/17
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 12.4/19
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 26.1/37
In: -0.000+/-0.000 χ²/NDF:49.1/40
Out: -0.000+/-0.000 χ²/NDF:46.2/43
All: -0.000+/-0.000 χ²/NDF: 95.5/84


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2053527.2/17
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3038203.9/19
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
Left: 0.000+/-0.000 χ²/NDF: 11414627.4/46
Right: 0.000+/-0.000 χ²/NDF: 5118332.4/37
In: 0.000+/-0.000 χ²/NDF:11210409.4/40
Out: 0.000+/-0.000 χ²/NDF:9330651.5/43
All: 0.000+/-0.000 χ²/NDF: 20646231.4/84


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 493.558+/-670.766 χ²/NDF: 21.9/17
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: -100.730+/-649.889 χ²/NDF: 20.1/19
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 187.022+/-466.747 χ²/NDF: 42.4/37
In: 170.425+/-346.517 χ²/NDF:41.6/40
Out: -53.042+/-341.862 χ²/NDF:55.5/43
All: 57.180+/-243.362 χ²/NDF: 97.3/84



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1889.305+/-0.460 χ^2/NDF: 252871.6/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

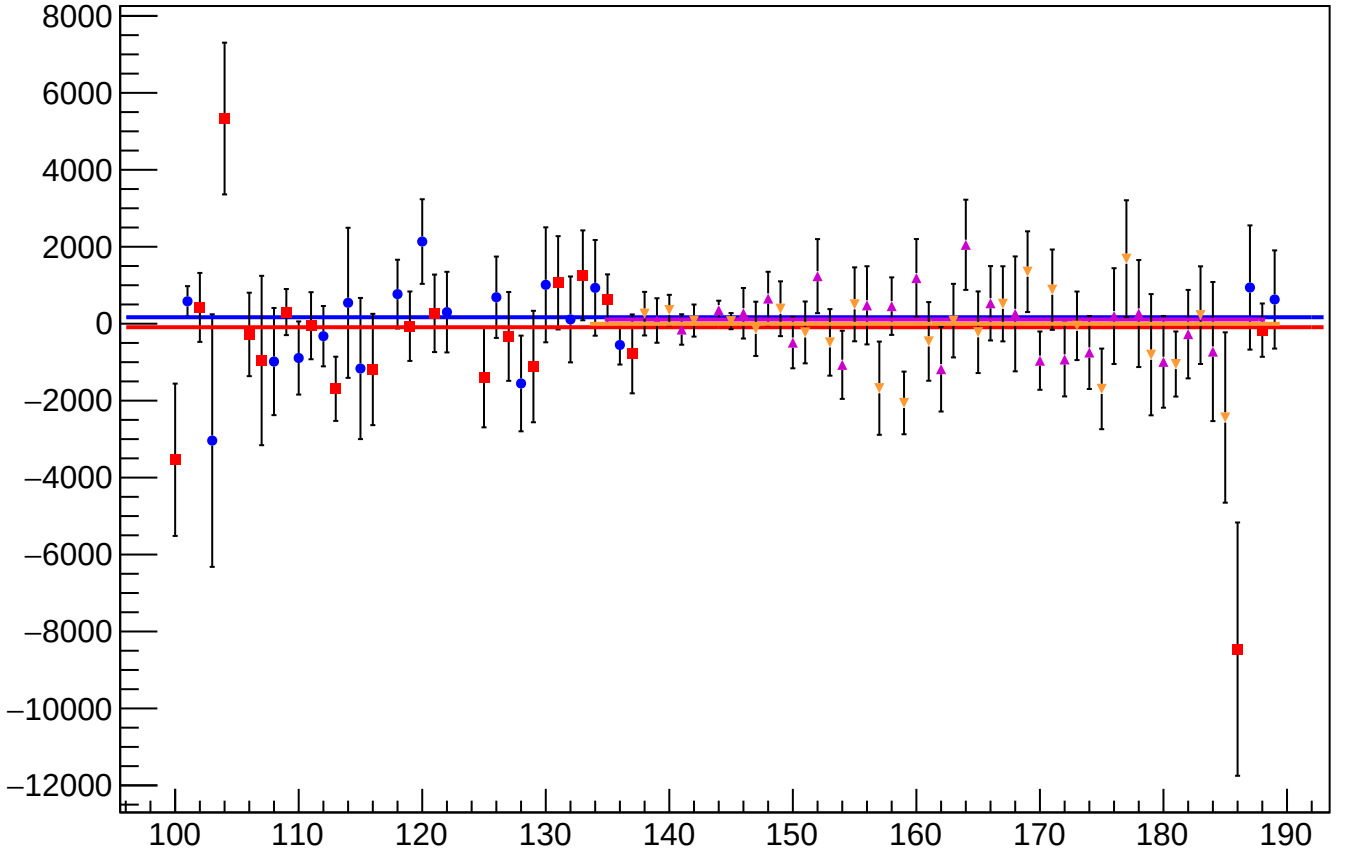
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1871.251+/-0.330 χ^2/NDF: 935284.0/37

In: 1764.994+/-0.245 χ^2/NDF:727374.5/40

Out: 1775.517+/-0.242 χ^2/NDF:338576.8/43

All: 1770.327+/-0.172 χ^2/NDF: 1066885.9/84



Right In: 167.890+/-214.967 χ^2/NDF: 13.8/17

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -91.457+/-224.776 χ^2/NDF: 27.9/19

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

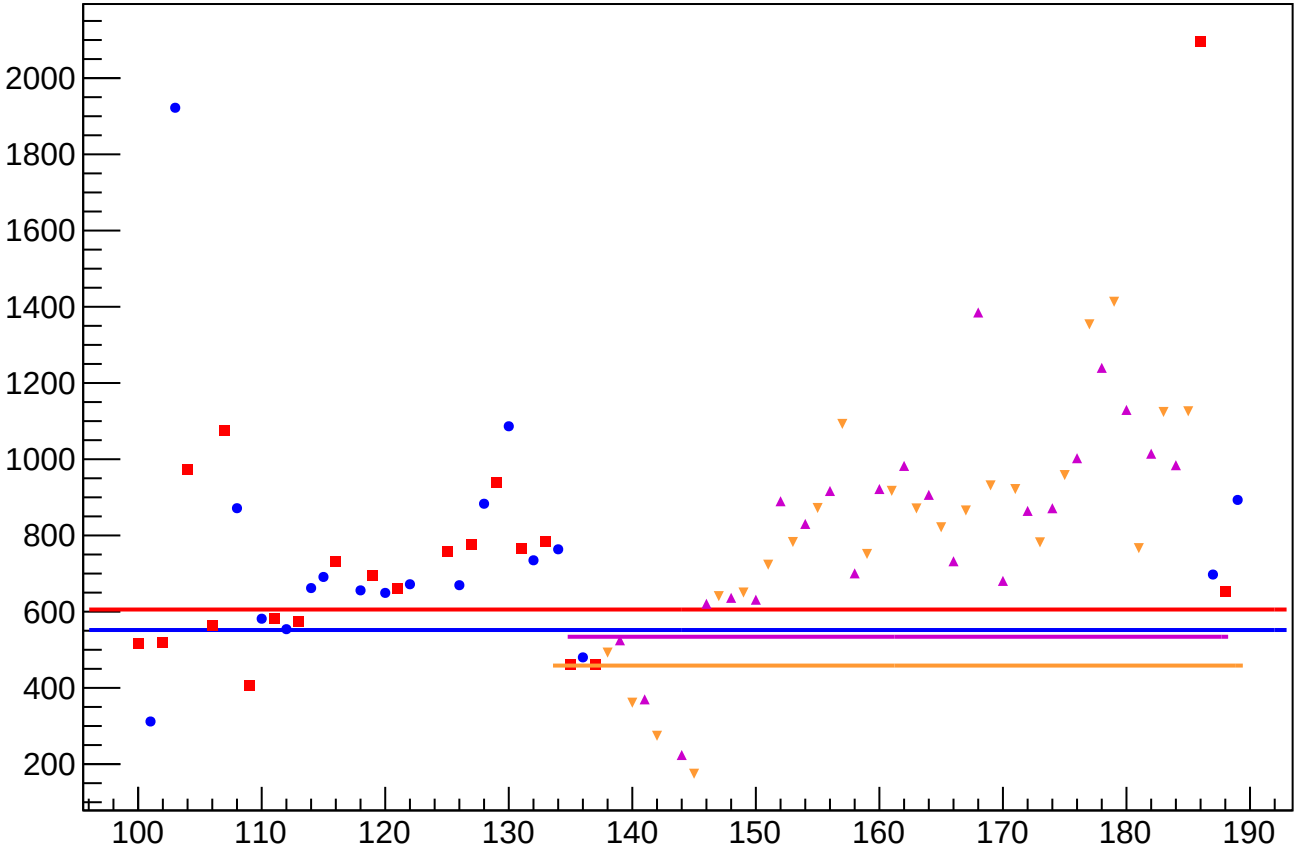
Right: 43.998+/-155.357 χ^2/NDF: 42.4/37

In: 126.696+/-119.244 χ^2/NDF:30.9/40

Out: -24.740+/-112.568 χ^2/NDF:48.3/43

All: 46.620+/-81.856 χ^2/NDF: 80.0/84

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 551.874+/-0.152 χ^2/NDF: 2020735.9/17

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 605.647+/-0.159 χ^2/NDF: 1269255.8/19

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

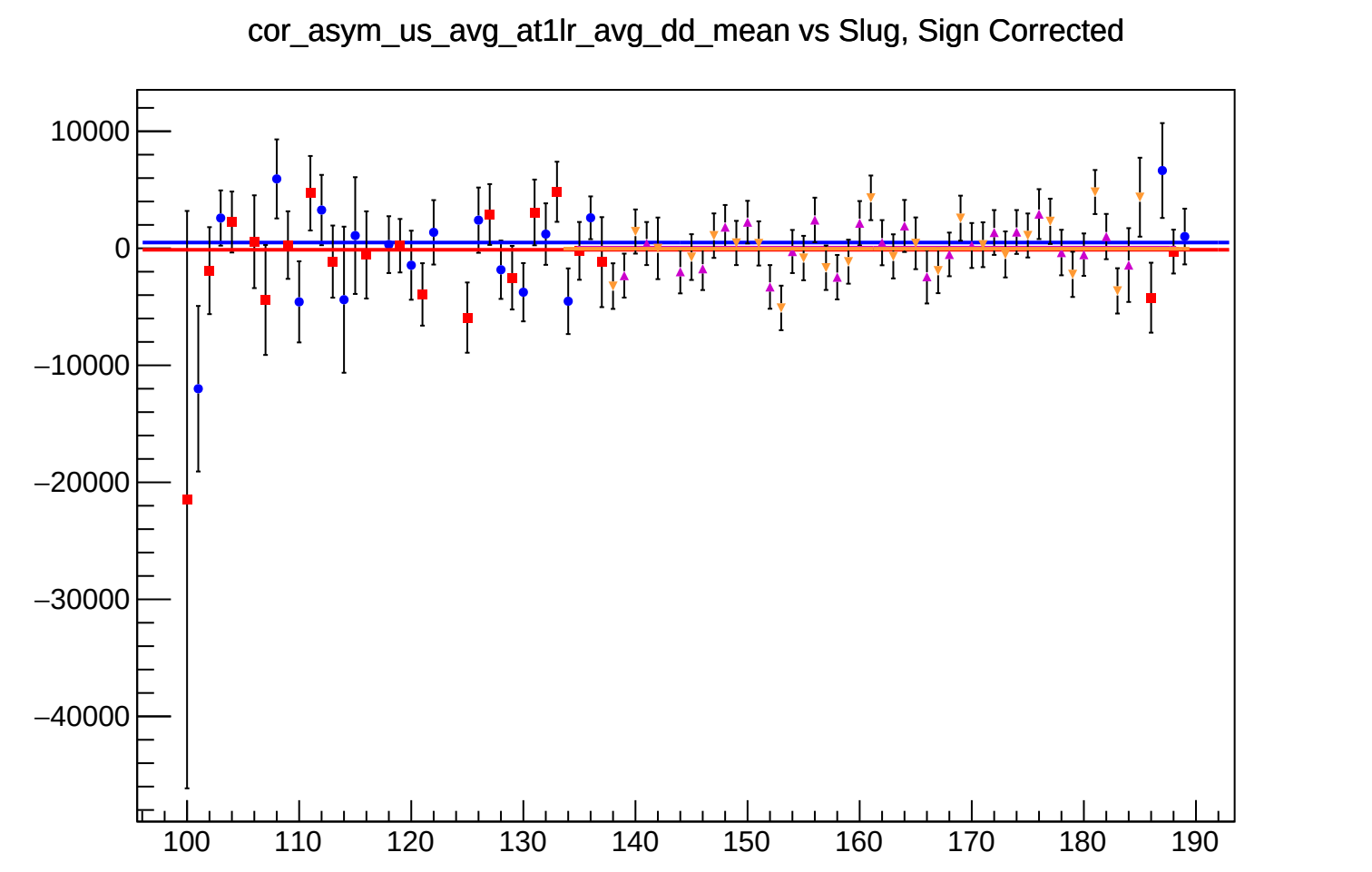
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 577.562+/-0.110 χ^2/NDF: 3349775.1/37

In: 539.611+/-0.084 χ^2/NDF:10473429.9/40

Out: 495.464+/-0.080 χ^2/NDF:13337445.3/43

All: 516.267+/-0.058 χ^2/NDF: 23955829.6/84



Right In: 493.715+/-670.766 χ^2/NDF: 21.9/17

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -125.931+/-650.959 χ^2/NDF: 20.0/19

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

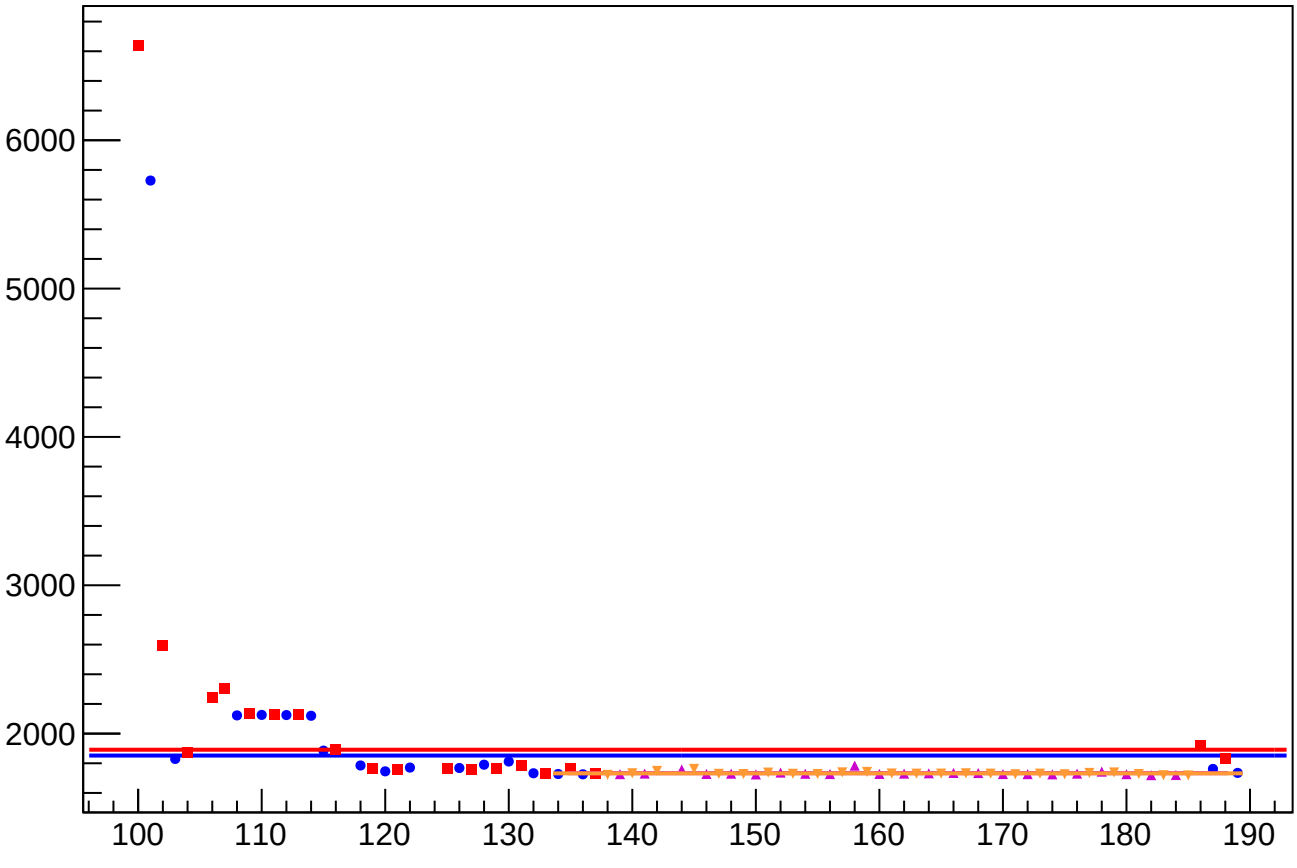
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 174.608+/-467.143 χ^2/NDF: 42.3/37

In: 170.406+/-346.518 χ^2/NDF:41.6/40

Out: -59.915+/-342.017 χ^2/NDF:55.4/43

All: 53.740+/-243.418 χ^2/NDF: 97.2/84



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1891.324+/-0.460 χ^2/NDF: 259918.2/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

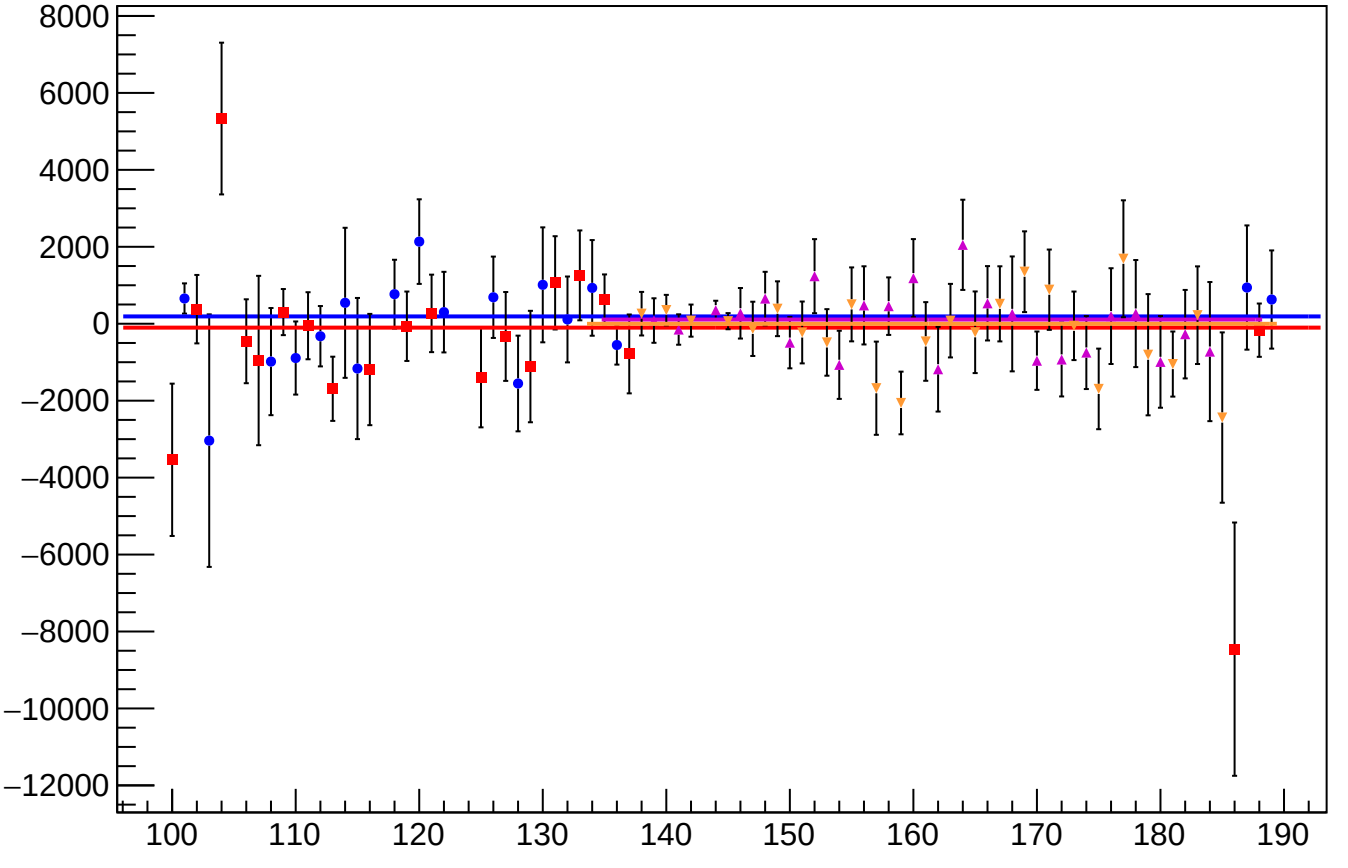
Right: 1872.260+/-0.330 χ^2/NDF: 942679.5/37

In: 1764.994+/-0.245 χ^2/NDF:727374.3/40

Out: 1775.971+/-0.242 χ^2/NDF:347606.3/43

All: 1770.554+/-0.172 χ^2/NDF: 1075997.2/84

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 190.141+/-214.897 χ^2/NDF: 14.3/17

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -101.204+/-224.728 χ^2/NDF: 27.9/19

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

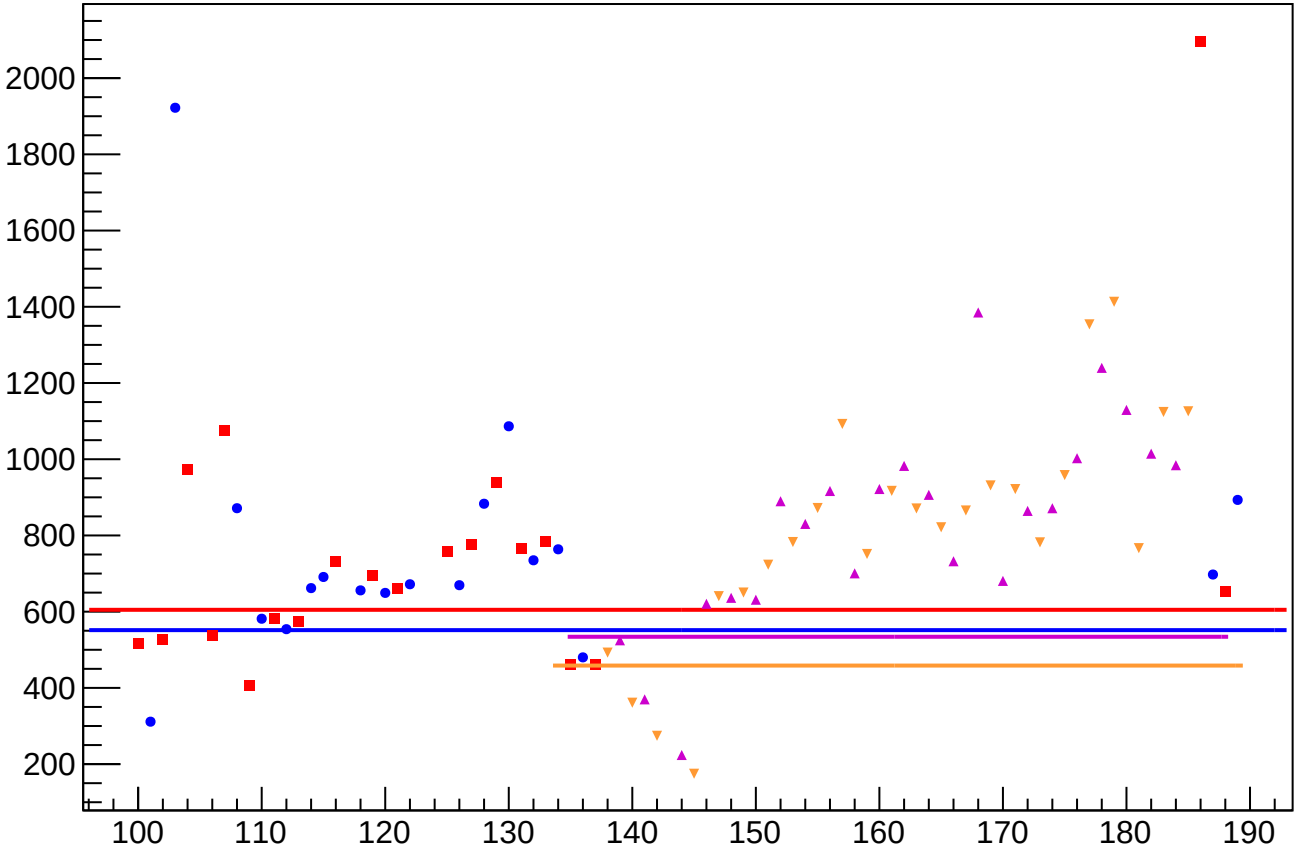
Right: 50.981+/-155.314 χ^2/NDF: 43.1/37

In: 133.534+/-119.232 χ^2/NDF:31.4/40

Out: -27.285+/-112.563 χ^2/NDF:48.4/43

All: 48.501+/-81.850 χ^2/NDF: 80.7/84

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 551.568+/-0.152 χ^2/NDF: 2025427.2/17

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 604.875+/-0.159 χ^2/NDF: 1271546.0/19

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

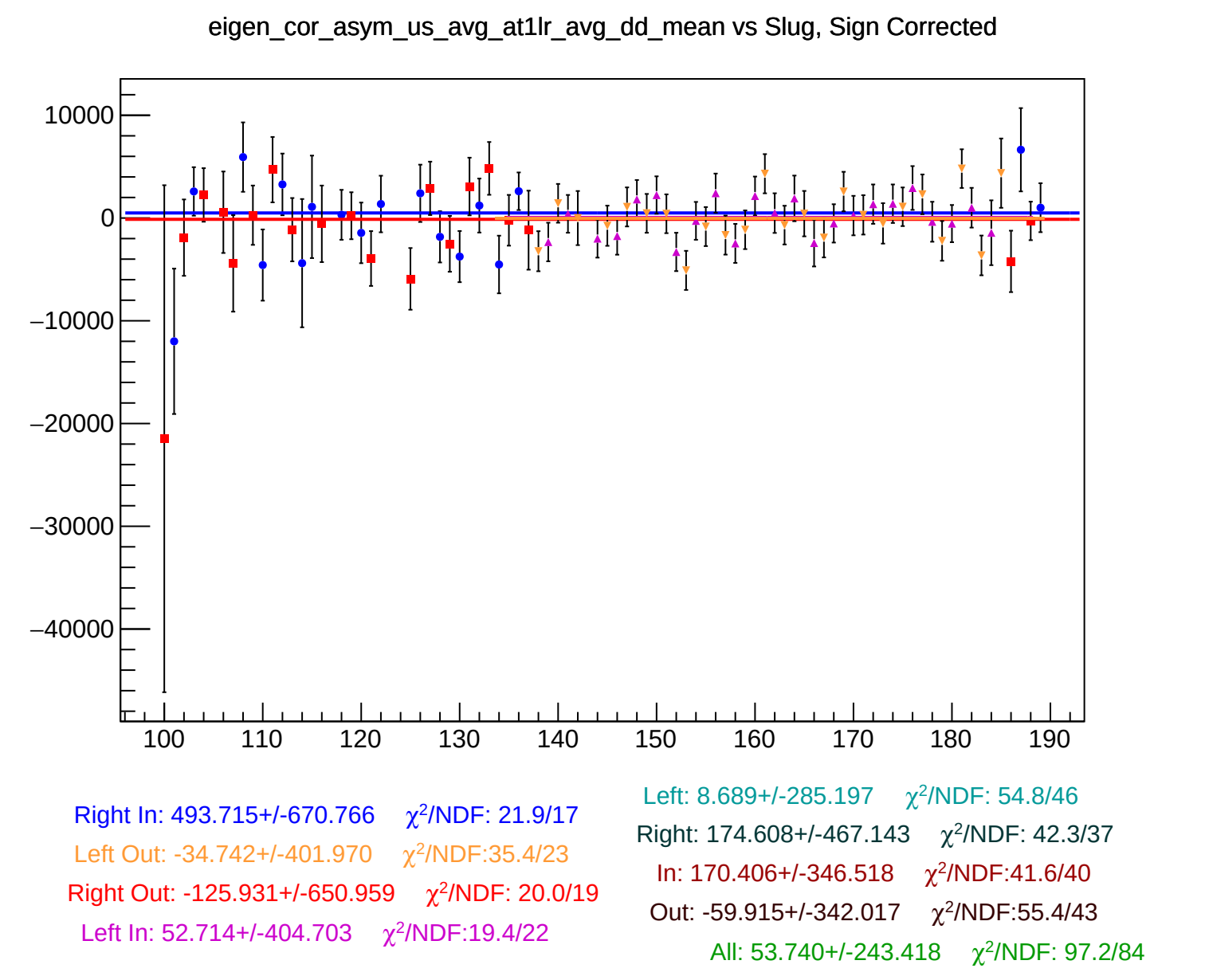
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

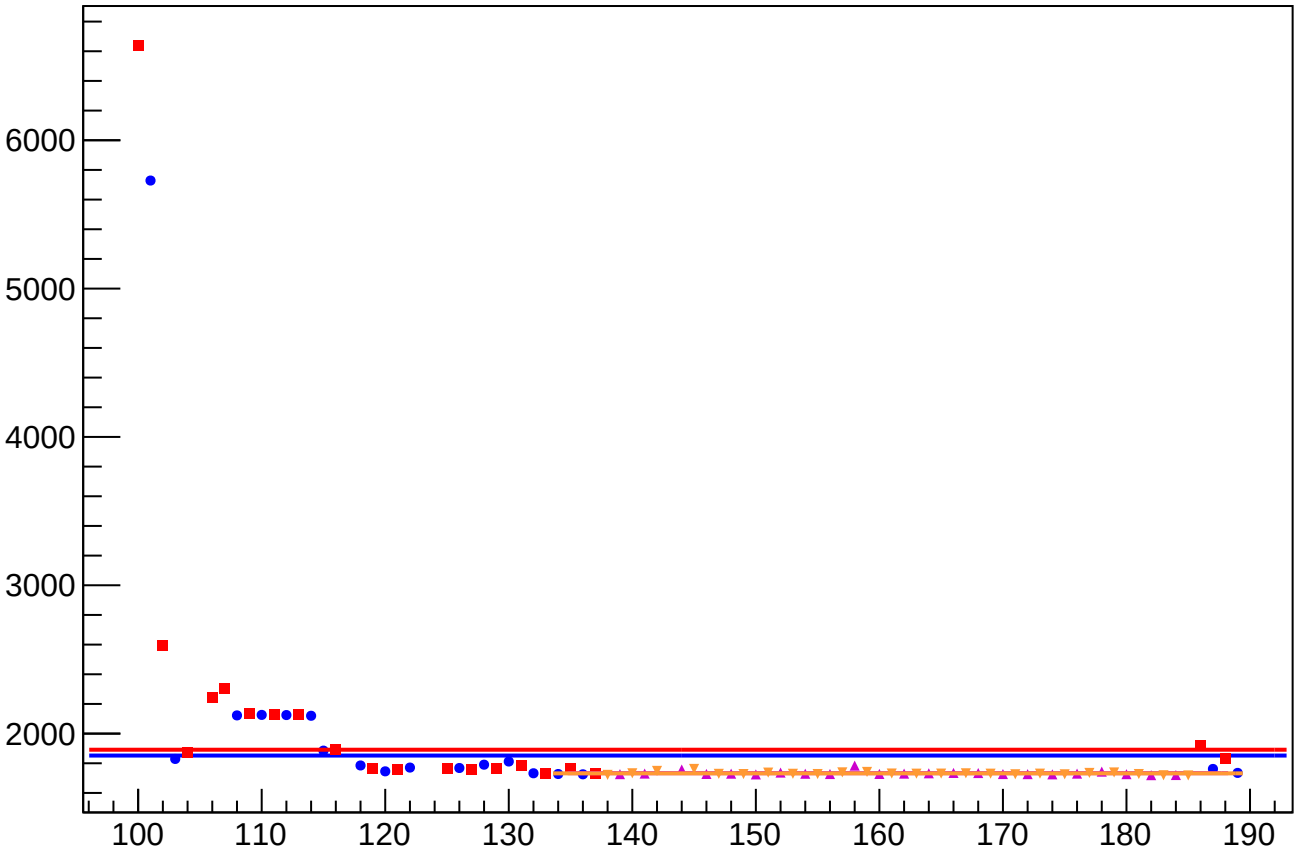
Right: 577.030+/-0.110 χ^2/NDF: 3355756.1/37

In: 539.525+/-0.084 χ^2/NDF:10477314.8/40

Out: 495.290+/-0.080 χ^2/NDF:13332709.7/43

All: 516.136+/-0.058 χ^2/NDF: 23955573.5/84


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 493.715+/-670.766 χ²/NDF: 21.9/17
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -125.931+/-650.959 χ²/NDF: 20.0/19
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 174.608+/-467.143 χ²/NDF: 42.3/37
In: 170.406+/-346.518 χ²/NDF:41.6/40
Out: -59.915+/-342.017 χ²/NDF:55.4/43
All: 53.740+/-243.418 χ²/NDF: 97.2/84



Right In: 1852.019+/-0.474 χ^2/NDF: 679224.8/17

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1891.324+/-0.460 χ^2/NDF: 259918.2/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

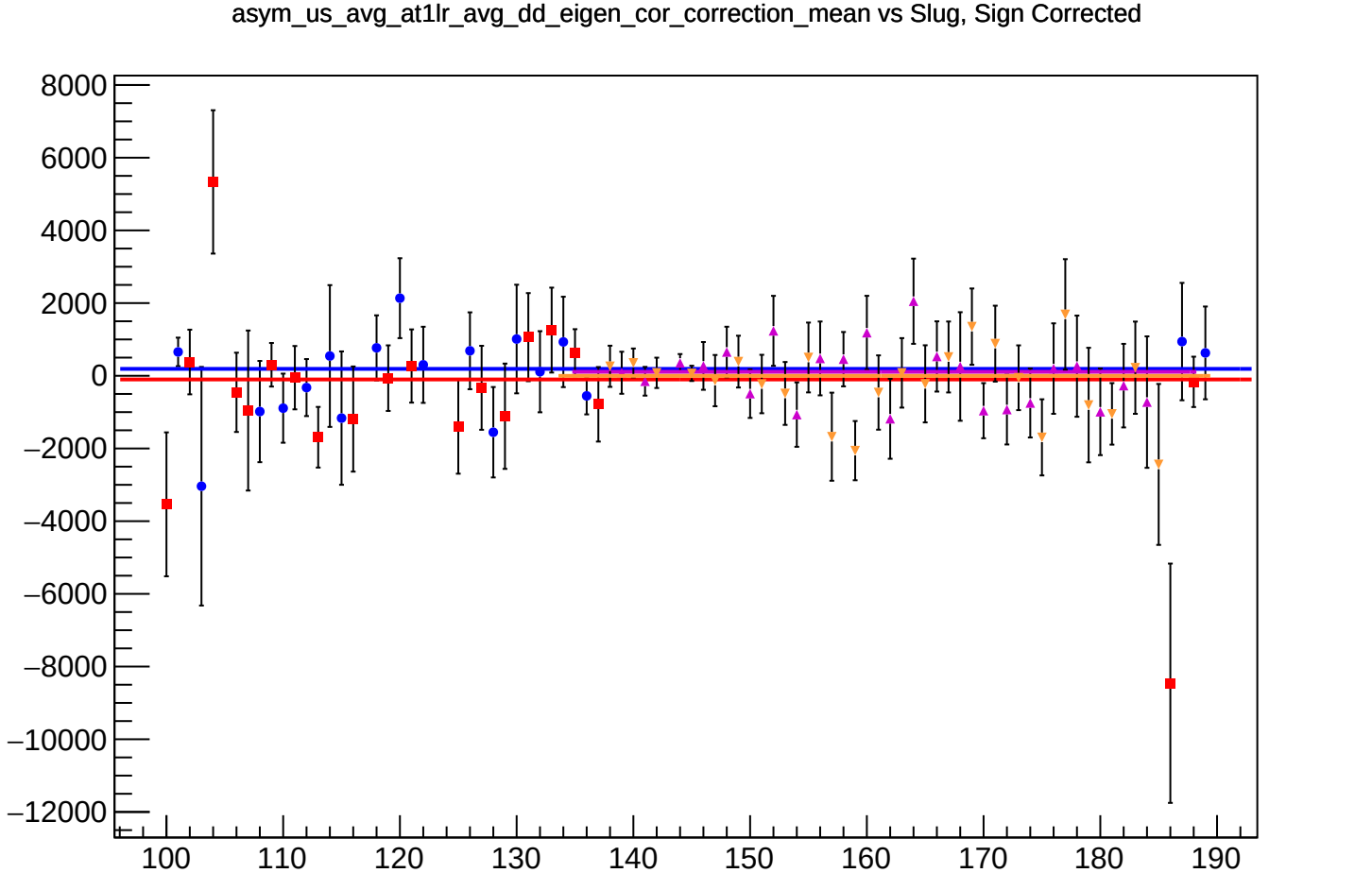
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

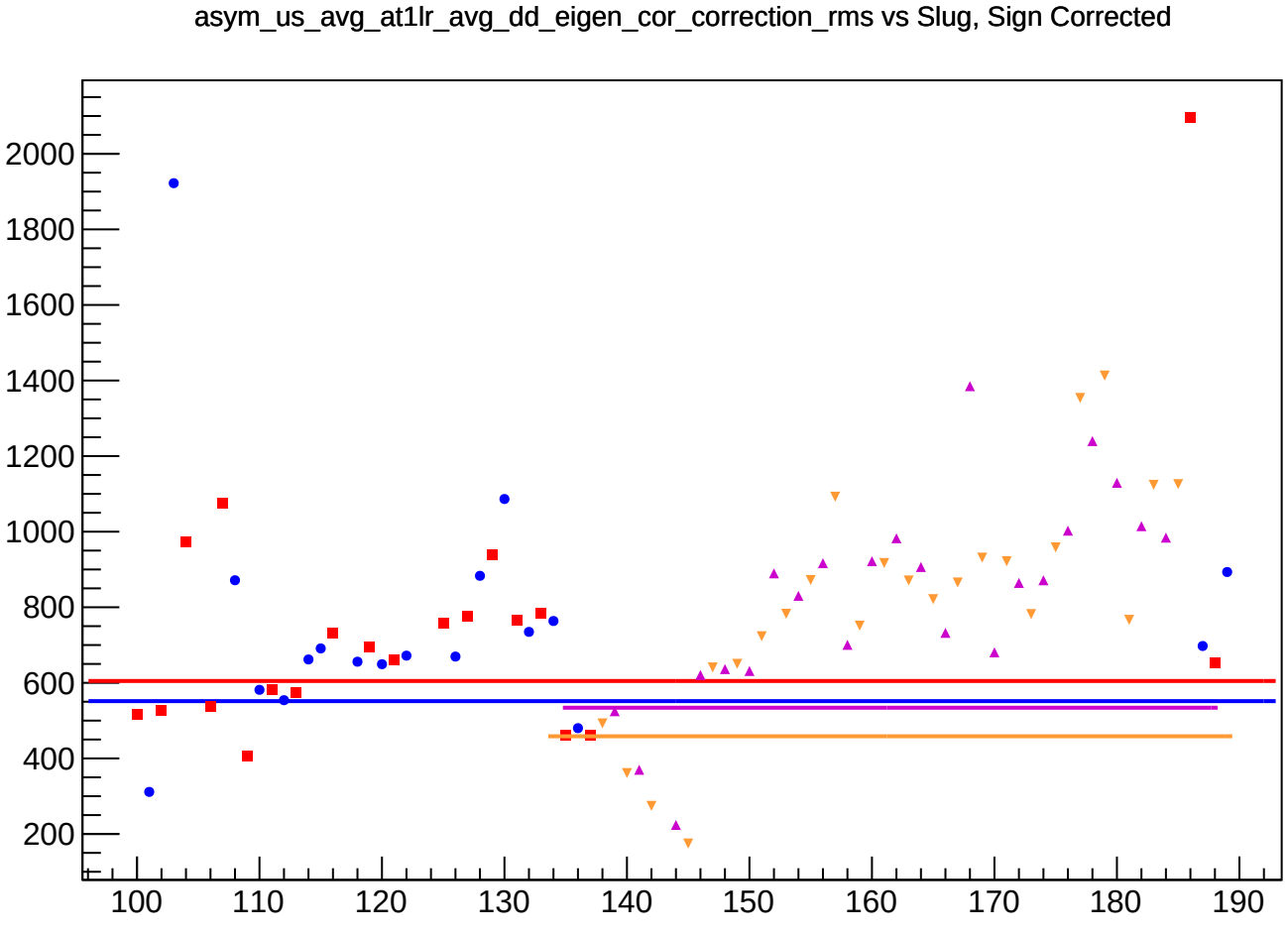
Right: 1872.260+/-0.330 χ^2/NDF: 942679.5/37

In: 1764.994+/-0.245 χ^2/NDF:727374.3/40

Out: 1775.971+/-0.242 χ^2/NDF:347606.3/43

All: 1770.554+/-0.172 χ^2/NDF: 1075997.2/84


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 190.141+/-214.897 χ²/NDF: 14.3/17
Left Out: -2.529+/-130.054 χ²/NDF:20.3/23
Right Out: -101.204+/-224.728 χ²/NDF: 27.9/19
Left In: 108.358+/-143.315 χ²/NDF:17.0/22
Left: 47.548+/-96.310 χ²/NDF: 37.6/46
Right: 50.981+/-155.314 χ²/NDF: 43.1/37
In: 133.534+/-119.232 χ²/NDF:31.4/40
Out: -27.285+/-112.563 χ²/NDF:48.4/43
All: 48.501+/-81.850 χ²/NDF: 80.7/84



Right In: 551.568+/-0.152 χ^2/NDF: 2025427.2/17

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 604.875+/-0.159 χ^2/NDF: 1271546.0/19

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

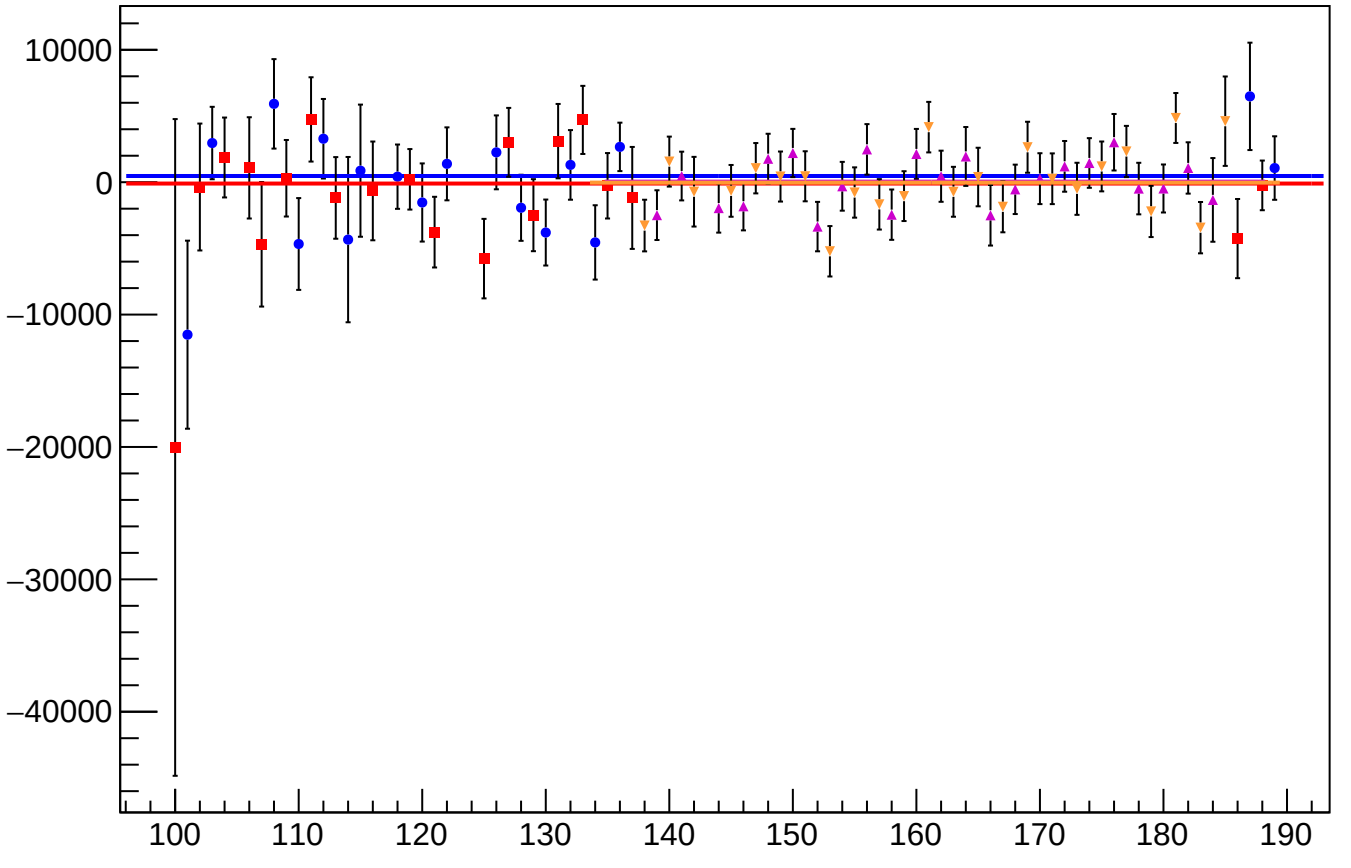
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 577.030+/-0.110 χ^2/NDF: 3355756.1/37

In: 539.525+/-0.084 χ^2/NDF:10477314.8/40

Out: 495.290+/-0.080 χ^2/NDF:13332709.7/43

All: 516.136+/-0.058 χ^2/NDF: 23955573.5/84



Right In: 468.924+/-678.636 χ^2/NDF: 21.8/17

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -101.878+/-660.194 χ^2/NDF: 19.1/19

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

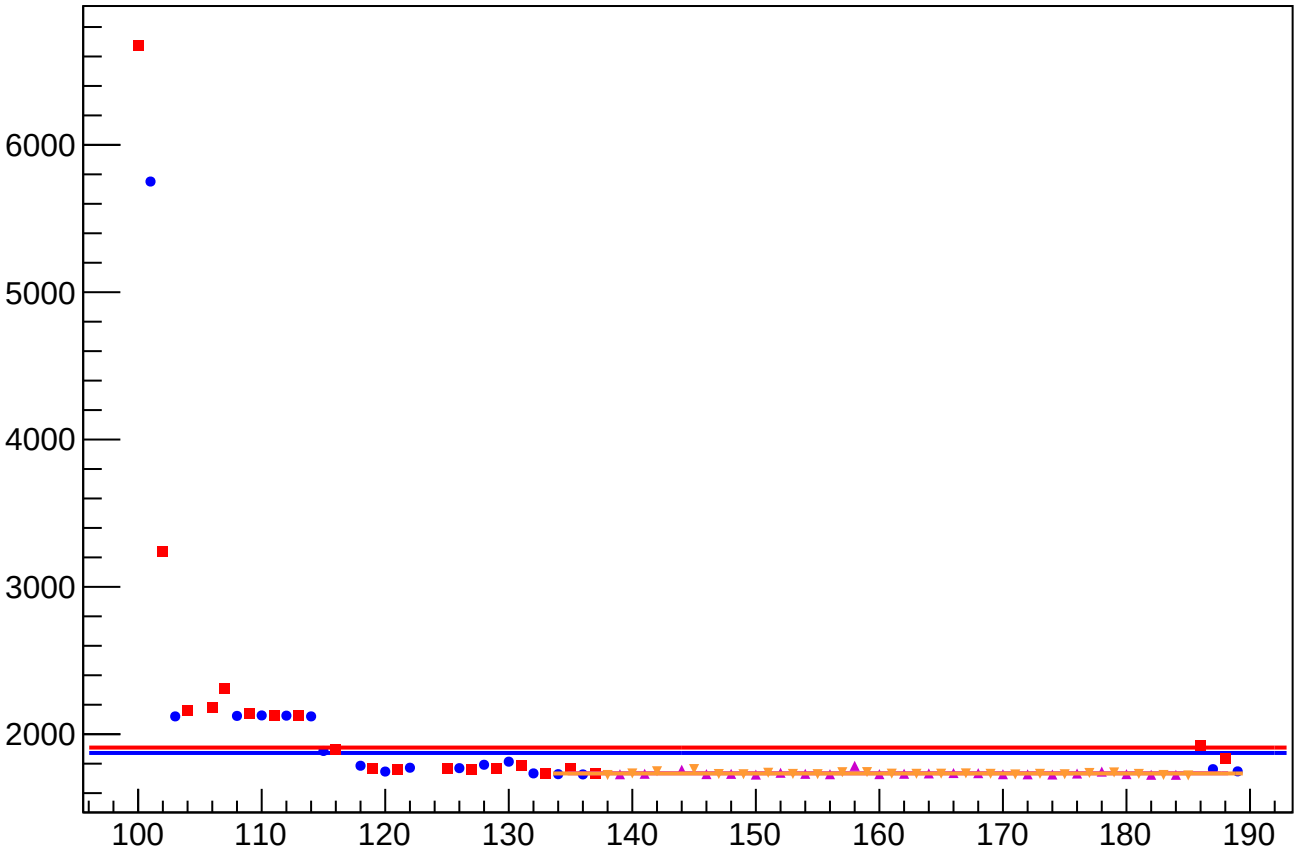
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 175.662+/-473.213 χ^2/NDF: 41.3/37

In: 154.483+/-347.810 χ^2/NDF:42.0/40

Out: -49.018+/-343.552 χ^2/NDF:54.5/43

All: 51.479+/-244.419 χ^2/NDF: 96.7/84



Right In: 1872.646+/-0.480 χ^2/NDF: 697173.2/17

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1909.235+/-0.467 χ^2/NDF: 355954.8/19

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

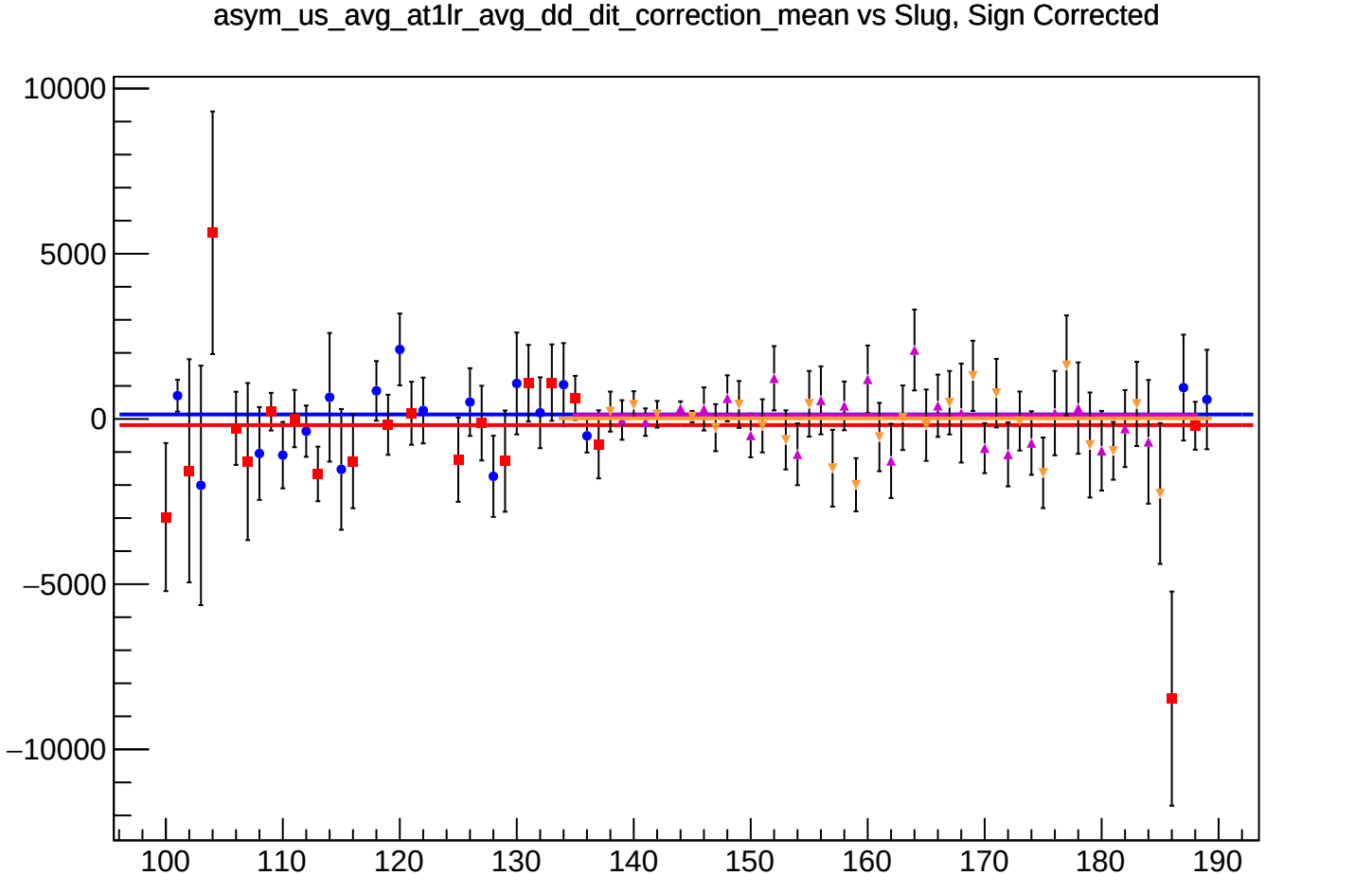
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

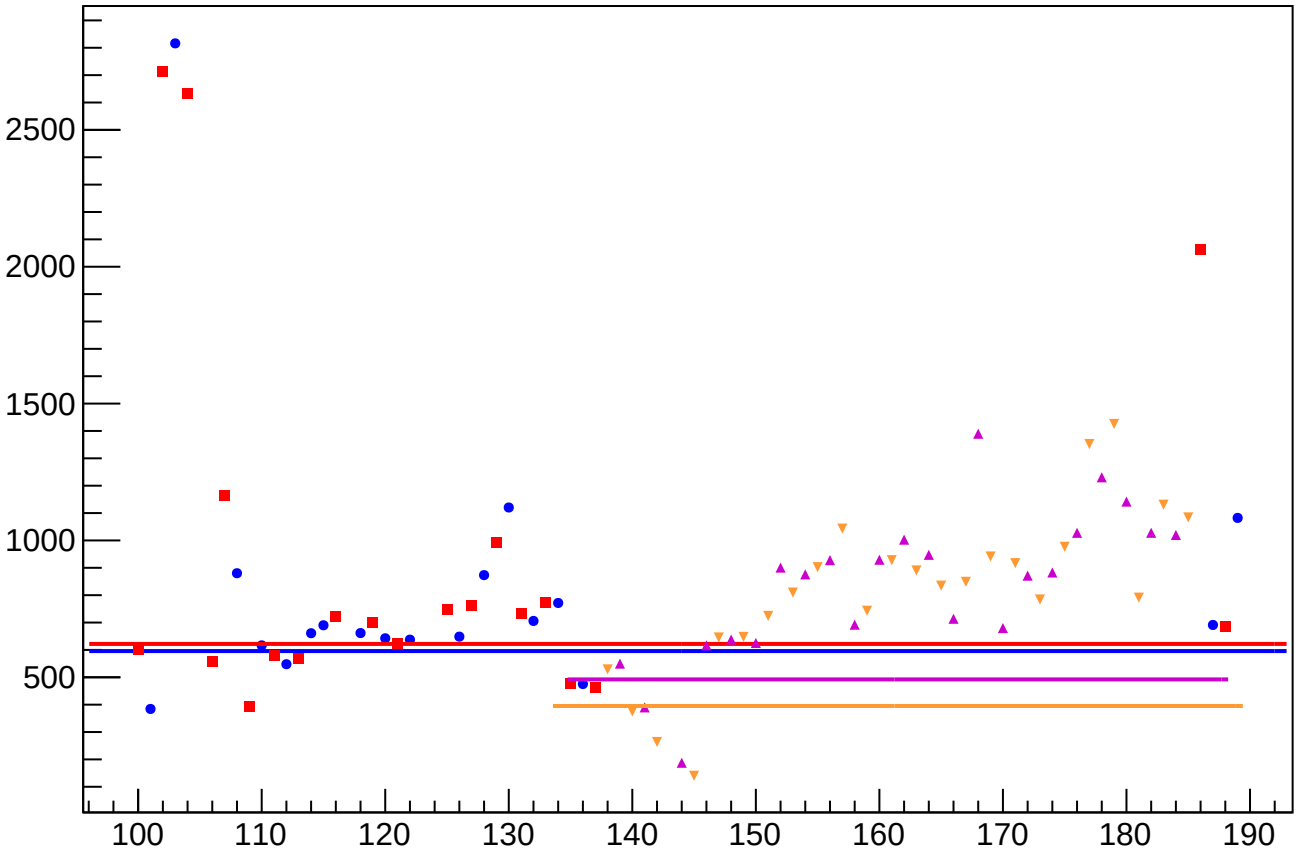
Right: 1891.445+/-0.335 χ^2/NDF: 1056114.9/37

In: 1771.015+/-0.246 χ^2/NDF:760183.0/40

Out: 1781.073+/-0.243 χ^2/NDF:460217.7/43

All: 1776.106+/-0.173 χ^2/NDF: 1221247.3/84


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 135.884+/-226.706 χ²/NDF: 14.5/17
Left Out: 18.027+/-119.333 χ²/NDF:19.4/23
Right Out: -185.432+/-232.252 χ²/NDF: 20.9/19
Left In: 121.705+/-137.150 χ²/NDF:16.5/22
Left: 62.699+/-90.026 χ²/NDF: 36.2/46
Right: -20.892+/-162.231 χ²/NDF: 36.4/37
In: 125.504+/-117.347 χ²/NDF:31.0/40
Out: -24.467+/-106.142 χ²/NDF:41.0/43
All: 43.018+/-78.718 χ²/NDF: 72.9/84



Right In: 595.797+/-0.160 χ^2/NDF: 1977179.0/17

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 621.912+/-0.164 χ^2/NDF: 2617593.8/19

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

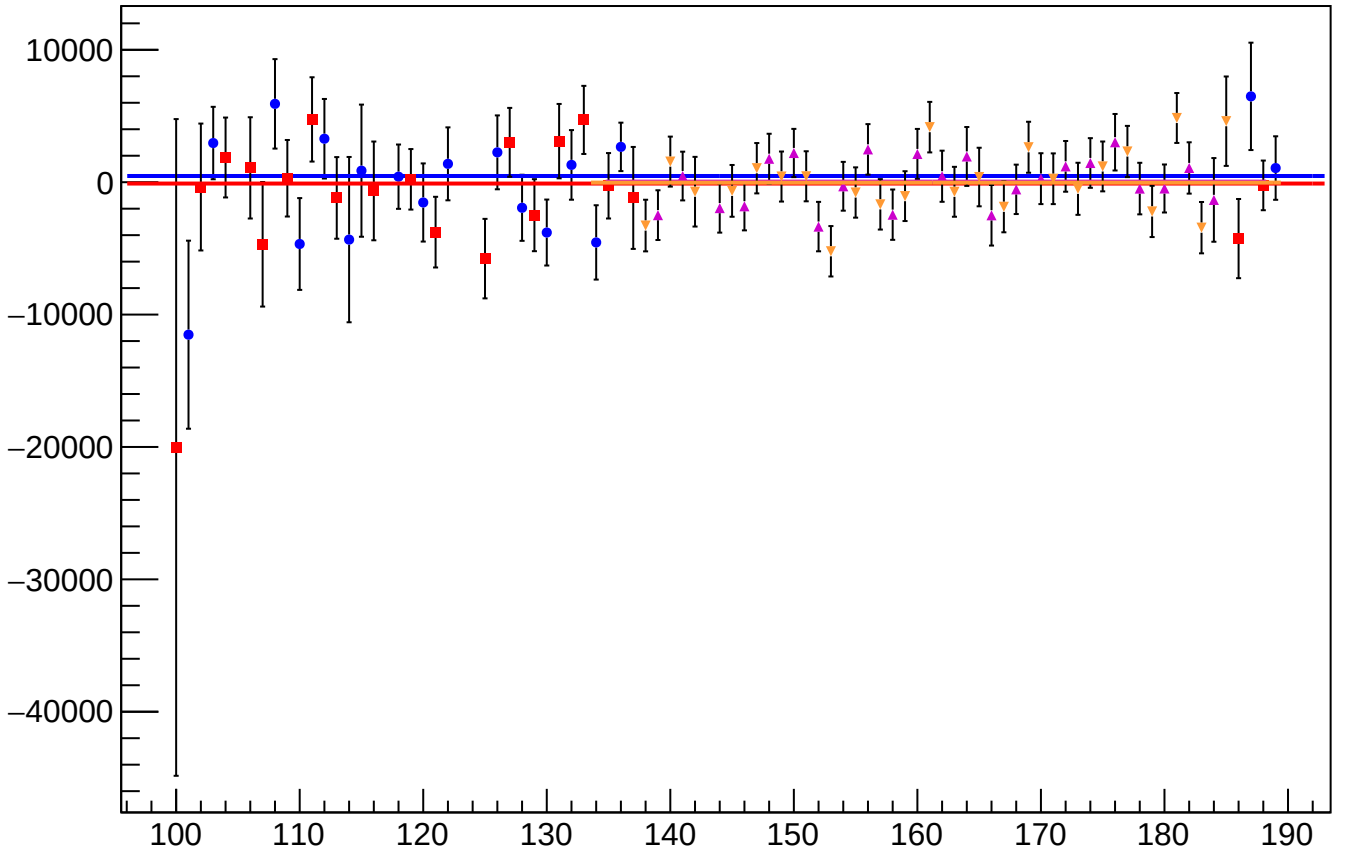
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 608.539+/-0.115 χ^2/NDF: 4607721.5/37

In: 520.025+/-0.083 χ^2/NDF:12701859.7/40

Out: 442.542+/-0.075 χ^2/NDF:18459857.9/43

All: 477.409+/-0.056 χ^2/NDF: 31641317.2/84



Right In: 468.924+/-678.636 χ^2/NDF: 21.8/17

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -101.877+/-660.194 χ^2/NDF: 19.1/19

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

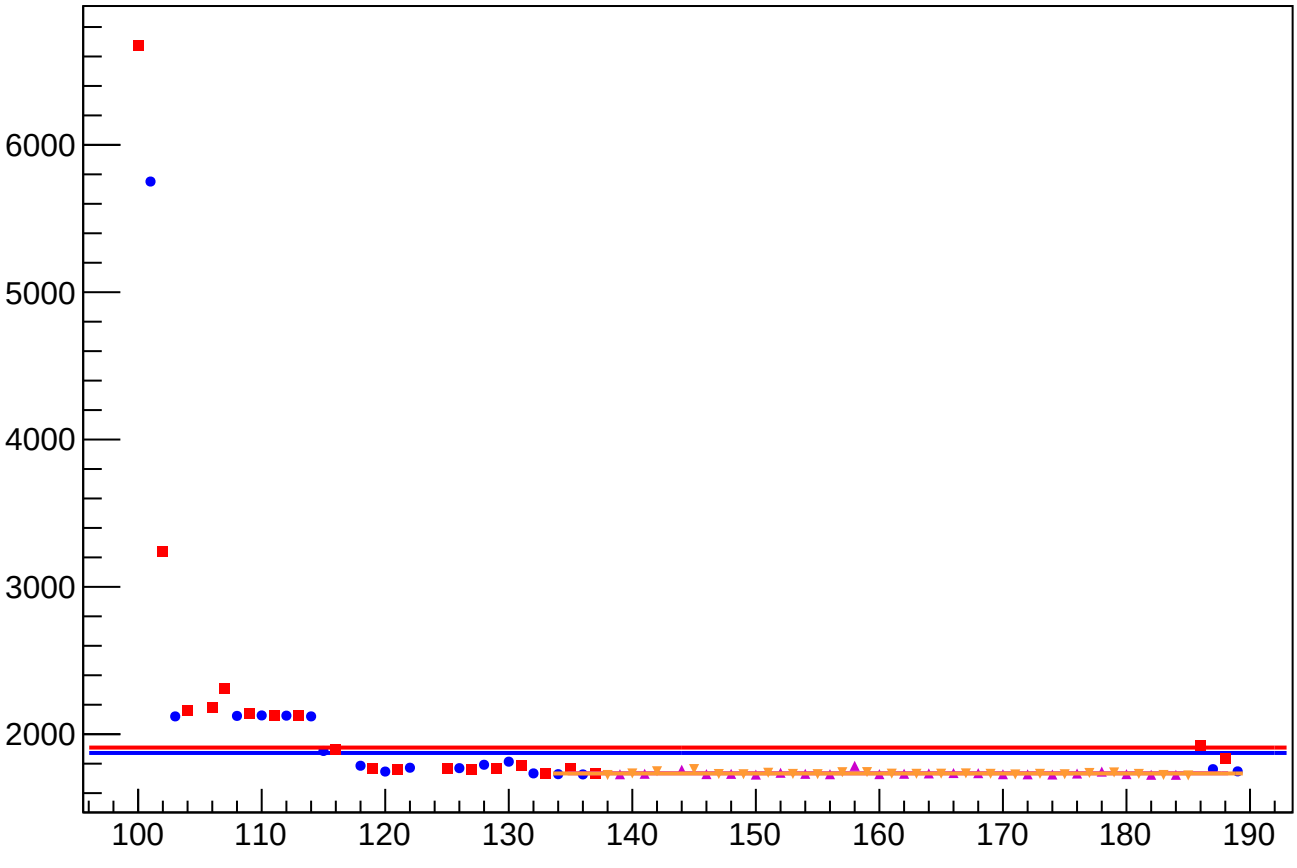
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 175.662+/-473.213 χ^2/NDF: 41.3/37

In: 154.483+/-347.810 χ^2/NDF:42.0/40

Out: -49.021+/-343.552 χ^2/NDF:54.5/43

All: 51.478+/-244.419 χ^2/NDF: 96.7/84



Right In: 1872.646+/-0.480 χ^2/NDF: 697172.9/17

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1909.235+/-0.467 χ^2/NDF: 355954.1/19

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

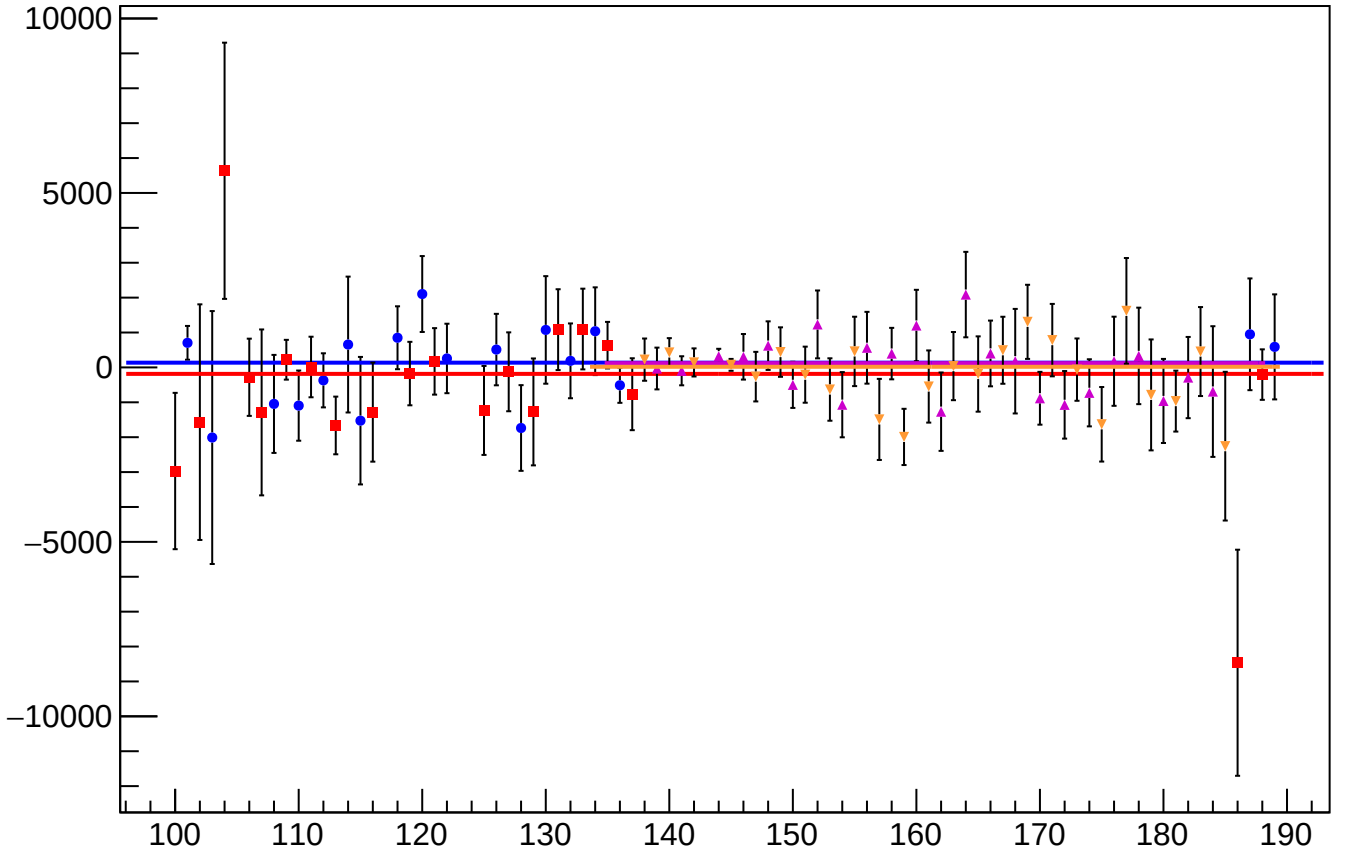
Right: 1891.444+/-0.335 χ^2/NDF: 1056113.8/37

In: 1771.015+/-0.246 χ^2/NDF:760182.7/40

Out: 1781.073+/-0.243 χ^2/NDF:460216.9/43

All: 1776.106+/-0.173 χ^2/NDF: 1221246.0/84

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 135.880+/-226.705 χ^2/NDF: 14.5/17

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -185.430+/-232.251 χ^2/NDF: 20.9/19

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

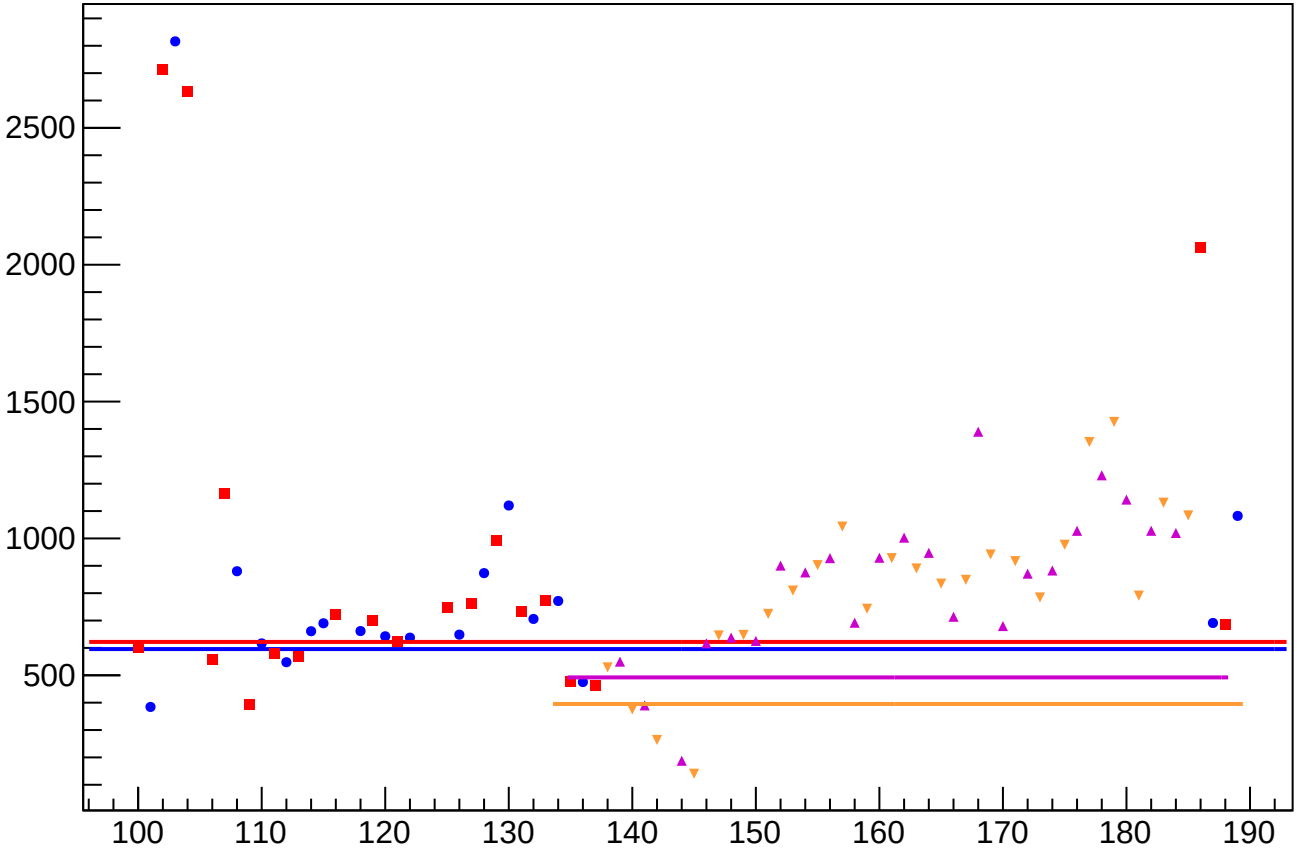
Right: -20.893+/-162.230 χ^2/NDF: 36.4/37

In: 125.503+/-117.347 χ^2/NDF:31.0/40

Out: -24.469+/-106.142 χ^2/NDF:41.0/43

All: 43.017+/-78.718 χ^2/NDF: 72.9/84

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 595.795+/-0.160 χ^2/NDF: 1977168.8/17

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 621.908+/-0.164 χ^2/NDF: 2617610.4/19

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

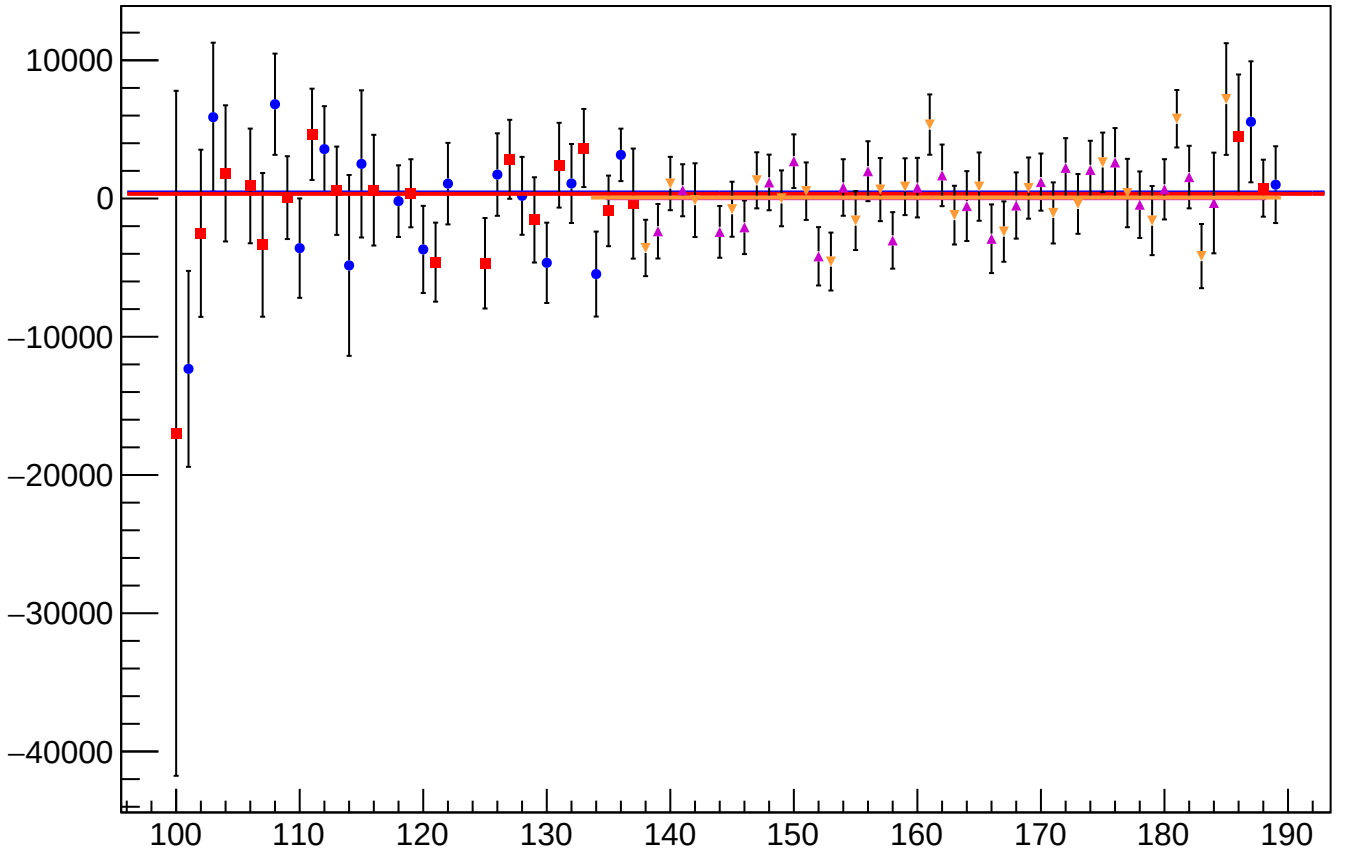
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 608.536+/-0.115 χ^2/NDF: 4607726.0/37

In: 520.026+/-0.083 χ^2/NDF:12701860.1/40

Out: 442.541+/-0.075 χ^2/NDF:18459880.4/43

All: 477.408+/-0.056 χ^2/NDF: 31641346.4/84



Right In: 437.769+/-750.086 χ^2/NDF: 22.7/17

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 338.103+/-731.196 χ^2/NDF: 12.5/19

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

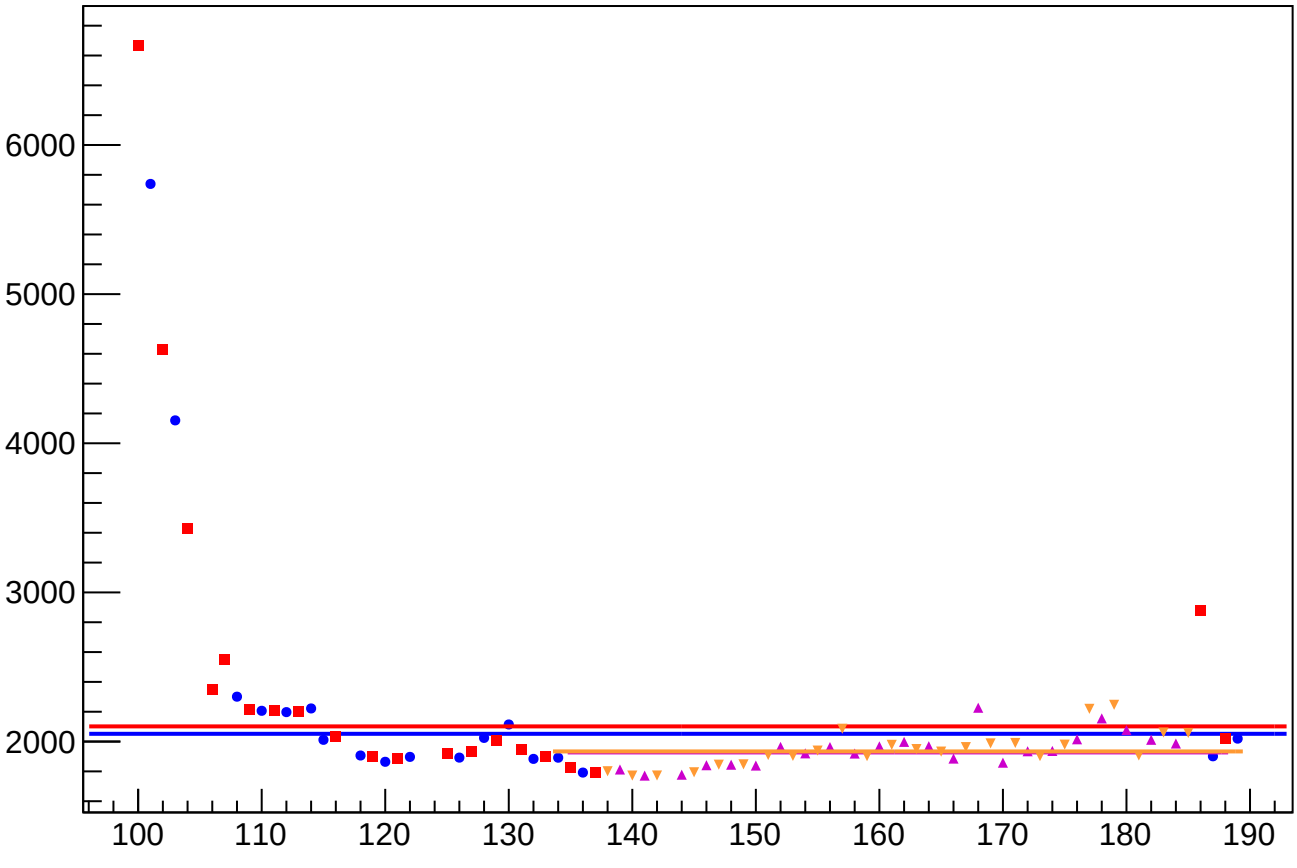
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 386.665+/-523.584 χ^2/NDF: 35.2/37

In: 134.936+/-386.359 χ^2/NDF:42.9/40

Out: 141.168+/-383.084 χ^2/NDF:46.2/43

All: 138.078+/-272.032 χ^2/NDF: 89.1/84



Right In: 2051.943+/-0.530 χ^2/NDF: 942695.9/17

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2101.685+/-0.517 χ^2/NDF: 745336.7/19

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

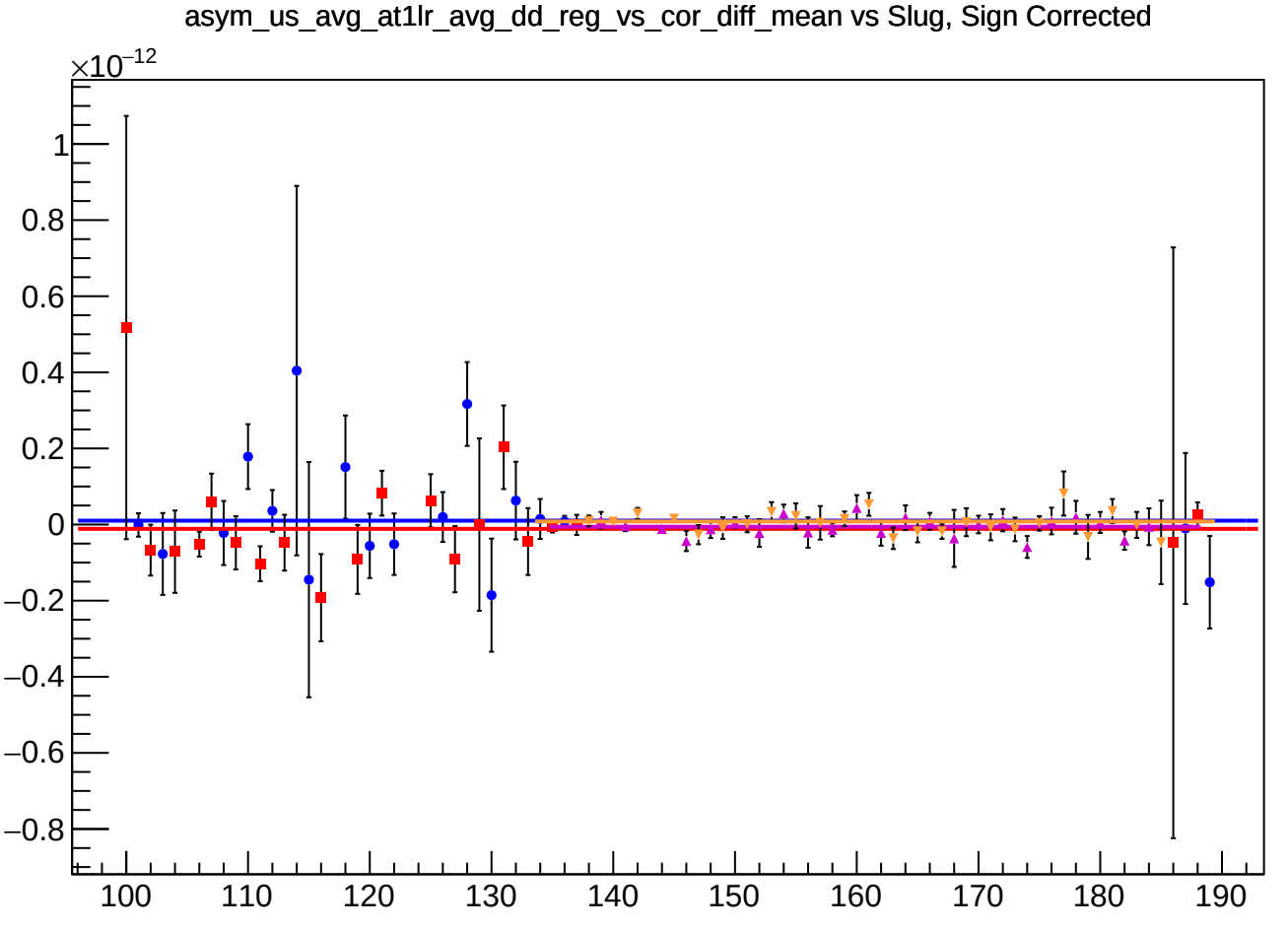
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

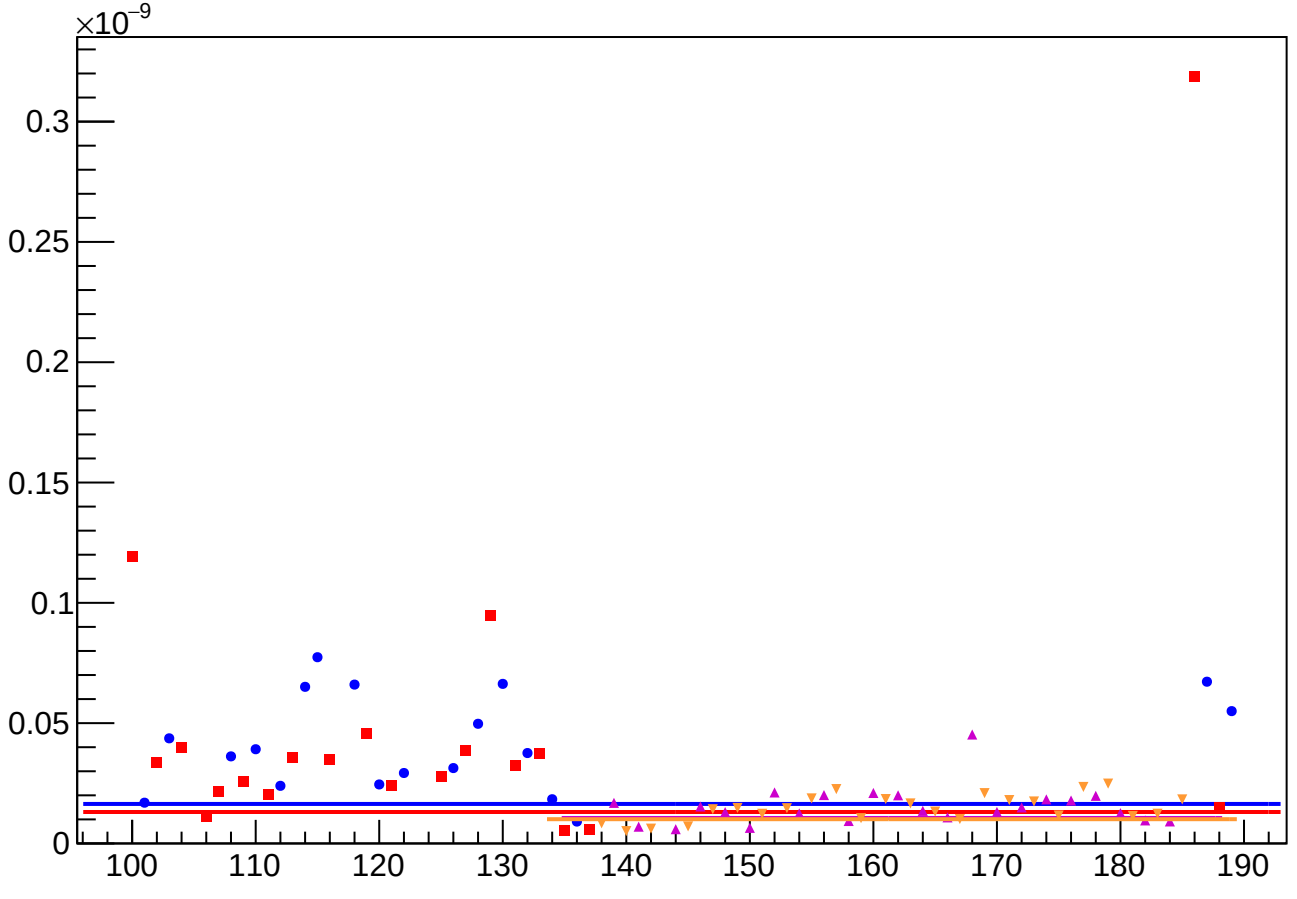
Right: 2077.449+/-0.370 χ^2/NDF: 1692542.4/37

In: 1960.241+/-0.273 χ^2/NDF:1099820.0/40

Out: 1979.886+/-0.271 χ^2/NDF:950359.9/43

All: 1970.147+/-0.192 χ^2/NDF: 2052787.0/84


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 19.8/17
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/19
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: 44.1/37
In: -0.000+/-0.000 χ²/NDF:38.2/40
Out: 0.000+/-0.000 χ²/NDF:42.7/43
All: 0.000+/-0.000 χ²/NDF: 83.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 2272480.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2804671.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

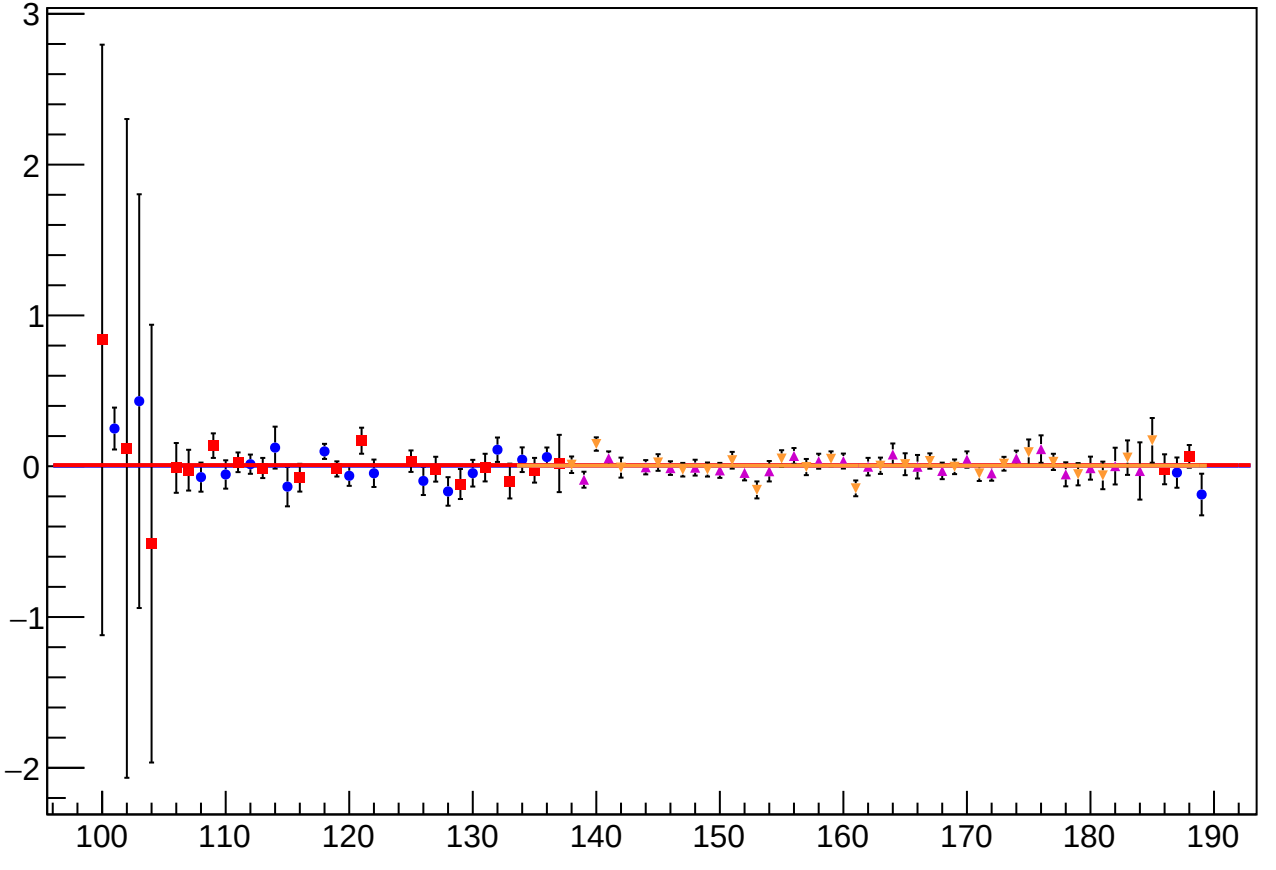
Right: 0.000+/-0.000 χ^2/NDF: 5172475.3/37

In: 0.000+/-0.000 χ^2/NDF:5296213.9/40

Out: 0.000+/-0.000 χ^2/NDF:5226555.9/43

All: 0.000+/-0.000 χ^2/NDF: 10561875.1/84

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

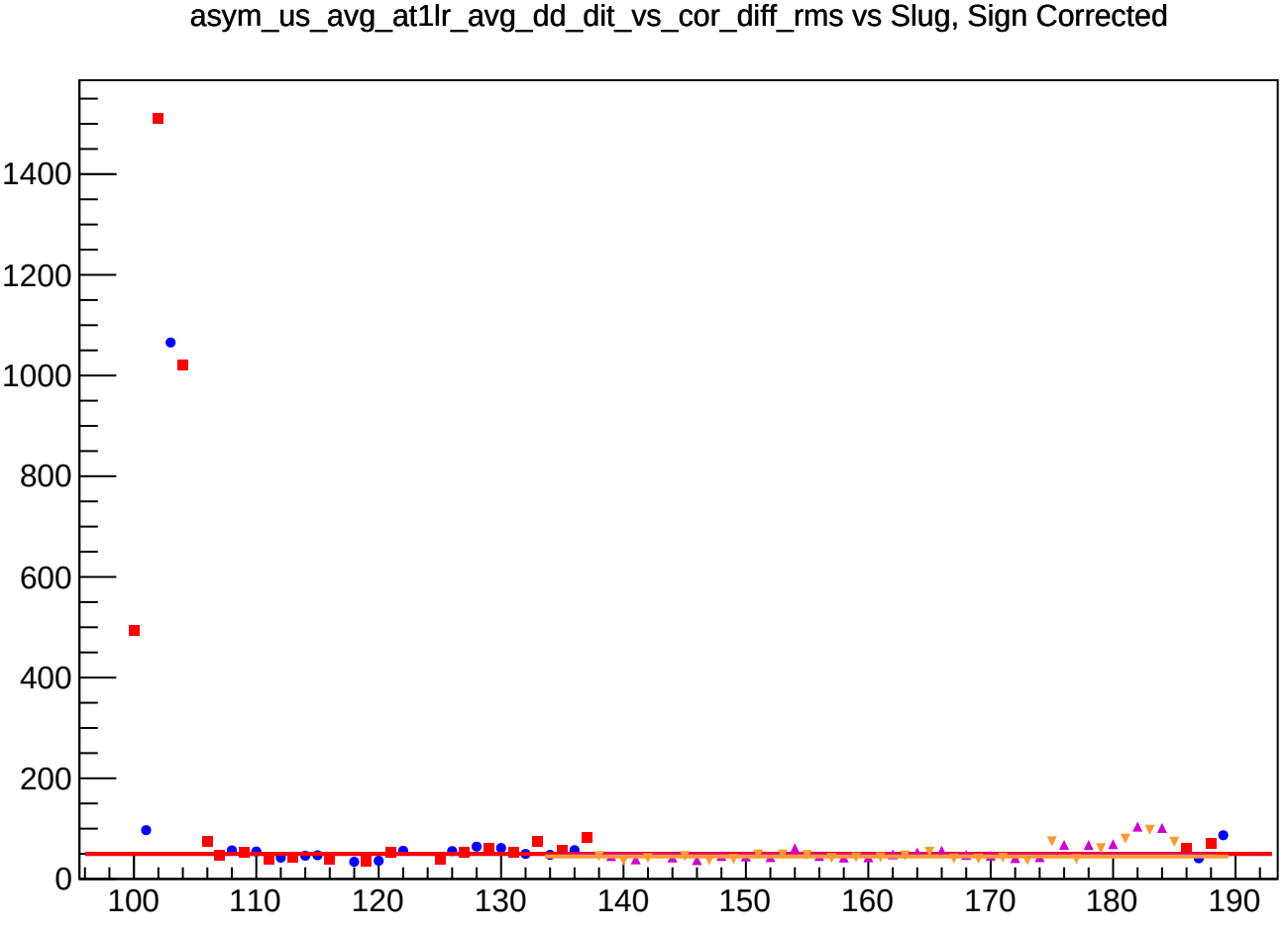
Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

Right: 0.006+/-0.014 χ^2/NDF: 31.9/37

In: 0.003+/-0.010 χ^2/NDF:35.1/40

Out: 0.005+/-0.010 χ^2/NDF:46.3/43

All: 0.004+/-0.007 χ^2/NDF: 81.4/84



Right In: 49.804+/-0.014 χ^2/NDF: 1938043.1/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 49.854+/-0.014 χ^2/NDF: 2624725.2/19

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

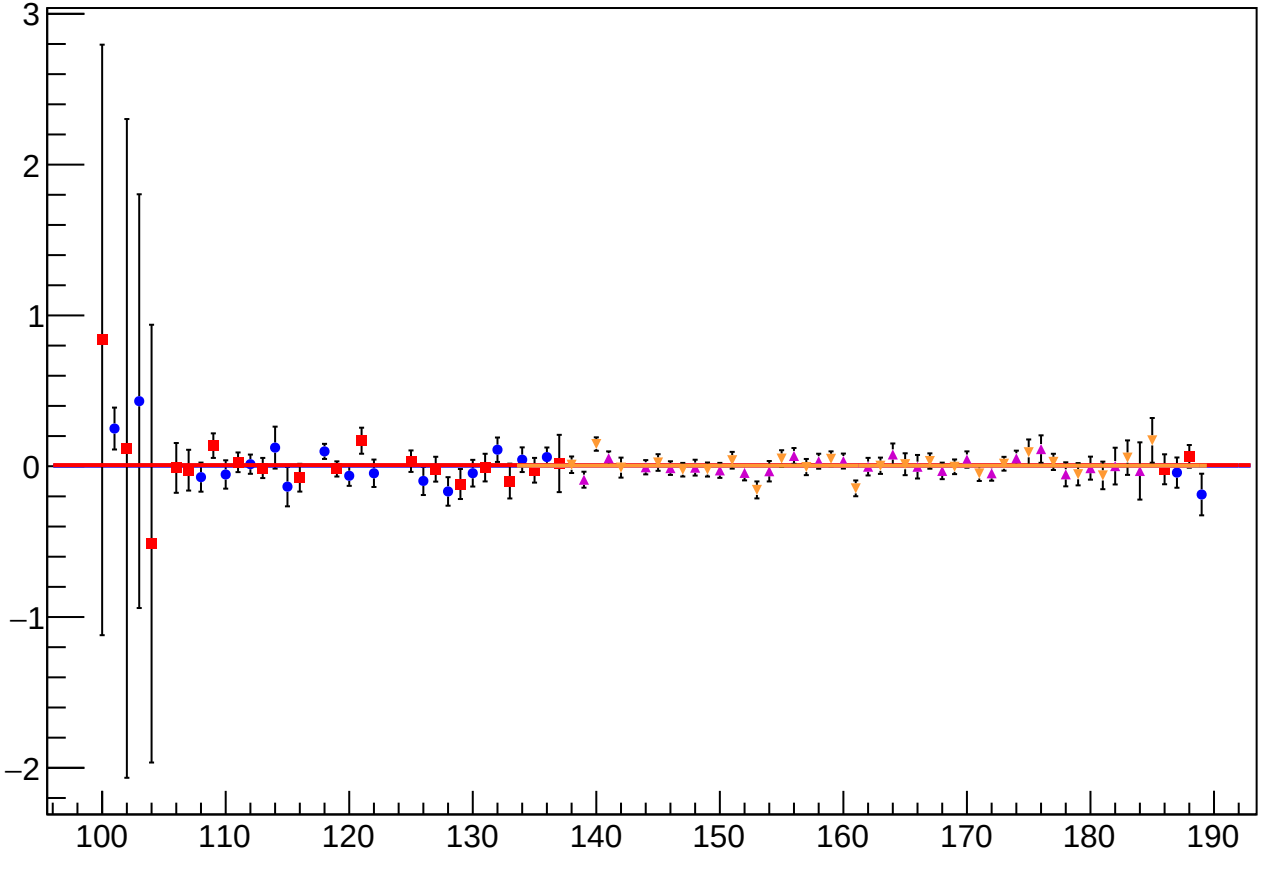
Right: 49.829+/-0.010 χ^2/NDF: 4562774.6/37

In: 47.746+/-0.007 χ^2/NDF:3348794.6/40

Out: 45.985+/-0.007 χ^2/NDF:4203010.6/43

All: 46.840+/-0.005 χ^2/NDF: 7581909.5/84

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

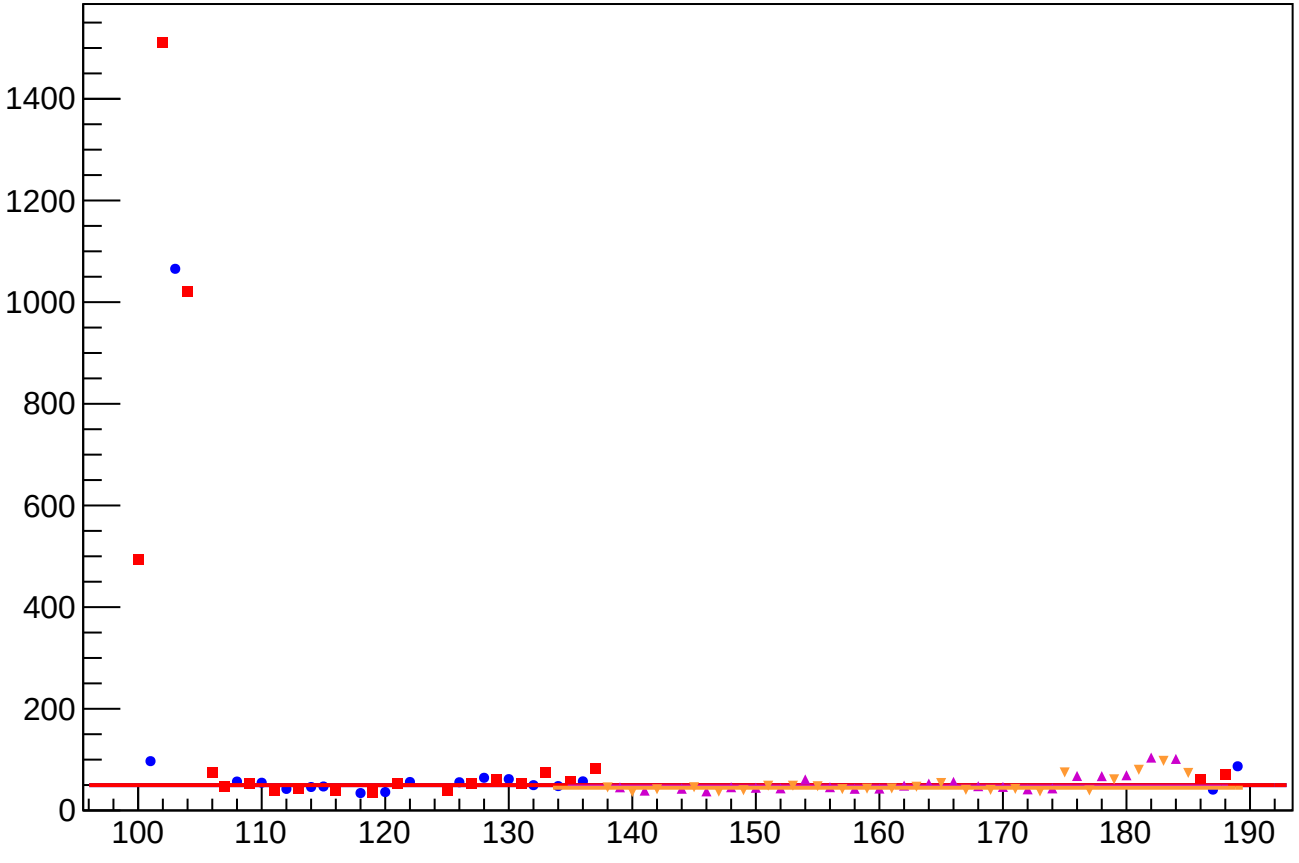
Right: 0.006+/-0.014 χ^2/NDF: 31.9/37

In: 0.003+/-0.010 χ^2/NDF:35.1/40

Out: 0.005+/-0.010 χ^2/NDF:46.3/43

All: 0.004+/-0.007 χ^2/NDF: 81.4/84

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.804+/-0.014 χ^2/NDF: 1938043.1/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 49.854+/-0.014 χ^2/NDF: 2624725.2/19

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

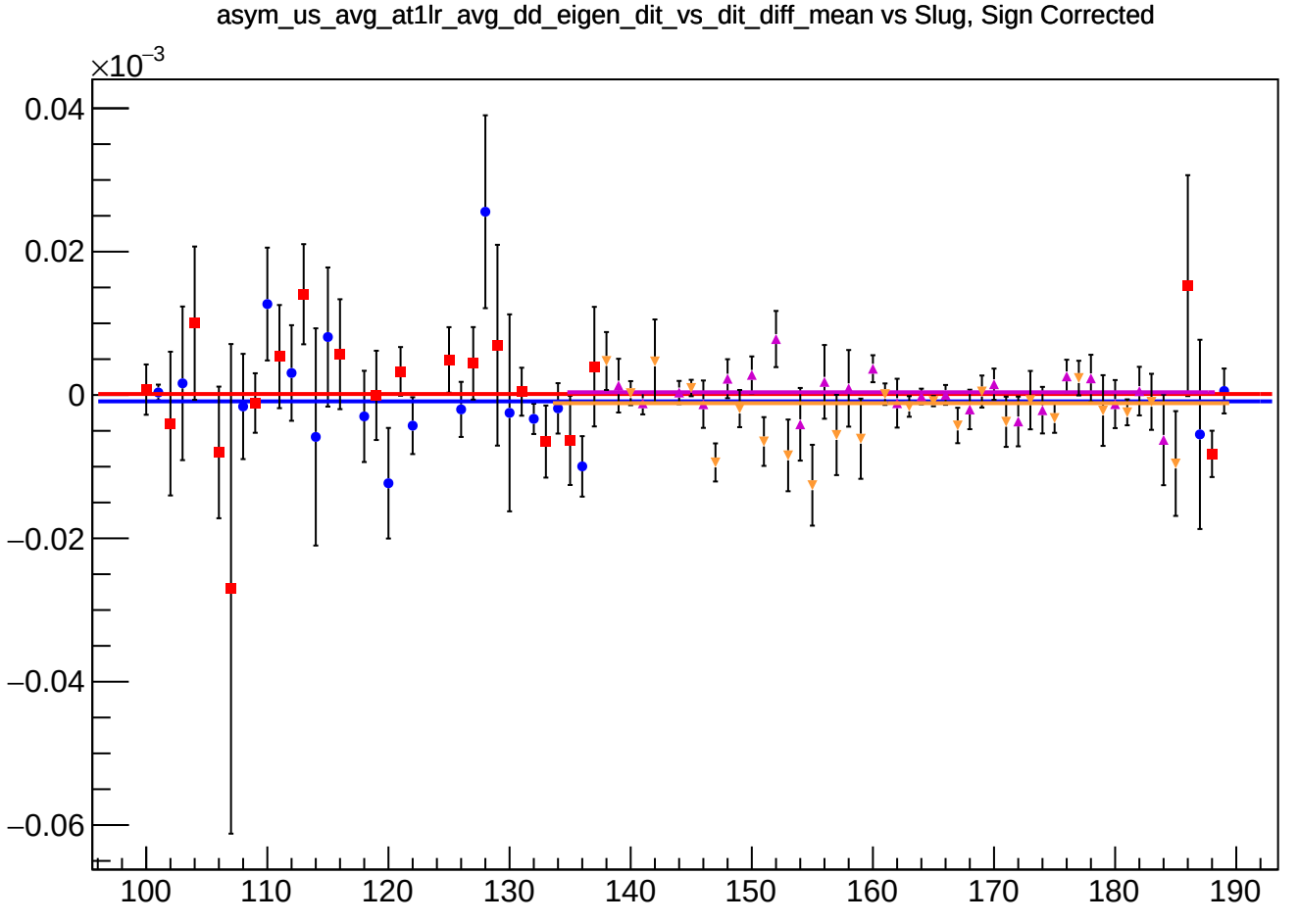
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 49.829+/-0.010 χ^2/NDF: 4562774.6/37

In: 47.746+/-0.007 χ^2/NDF:3348794.6/40

Out: 45.985+/-0.007 χ^2/NDF:4203010.6/43

All: 46.840+/-0.005 χ^2/NDF: 7581909.5/84



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/19

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

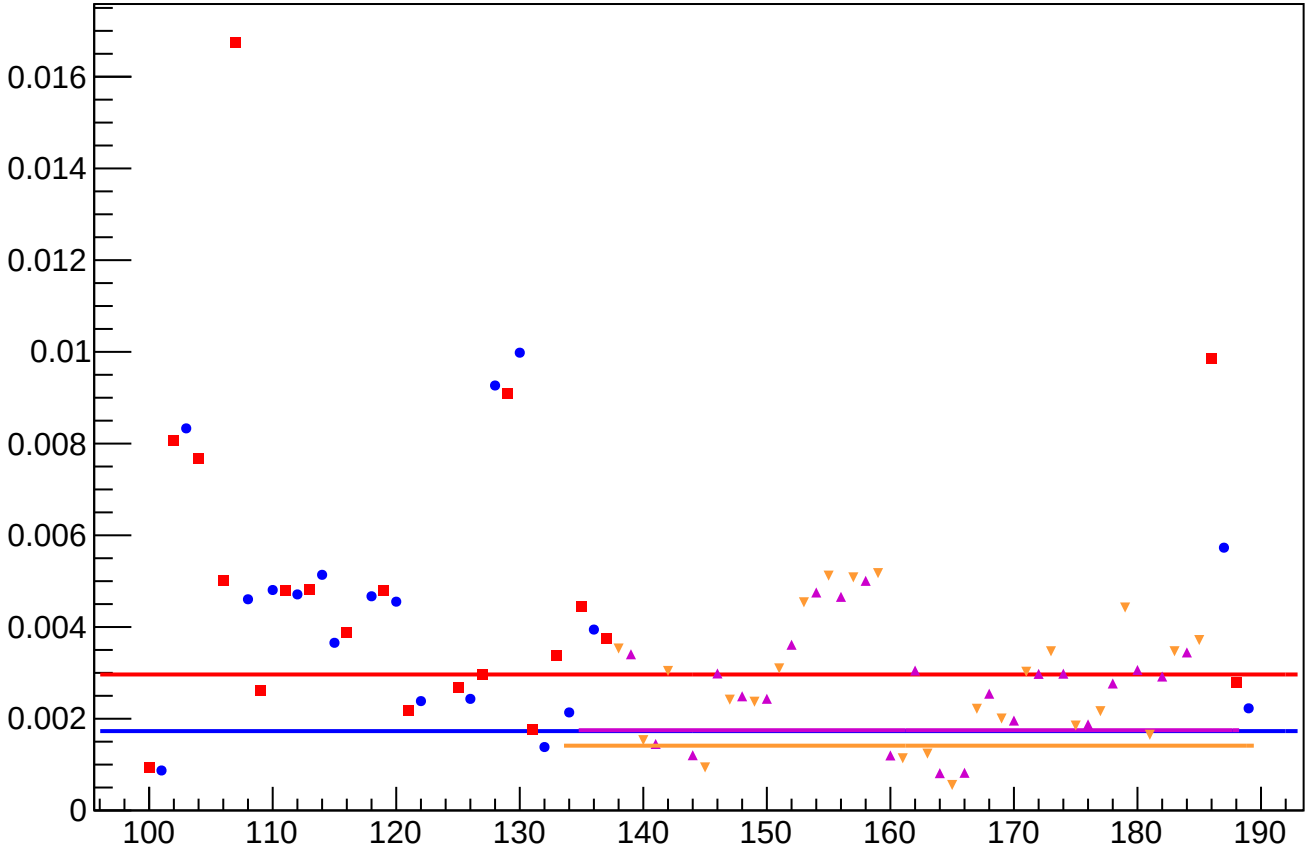
Right: -0.000+/-0.000 χ^2/NDF: 40.7/37

In: 0.000+/-0.000 χ^2/NDF:37.2/40

Out: -0.000+/-0.000 χ^2/NDF:58.0/43

All: -0.000+/-0.000 χ^2/NDF: 98.4/84

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: 6201505.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 3785231.8/19

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

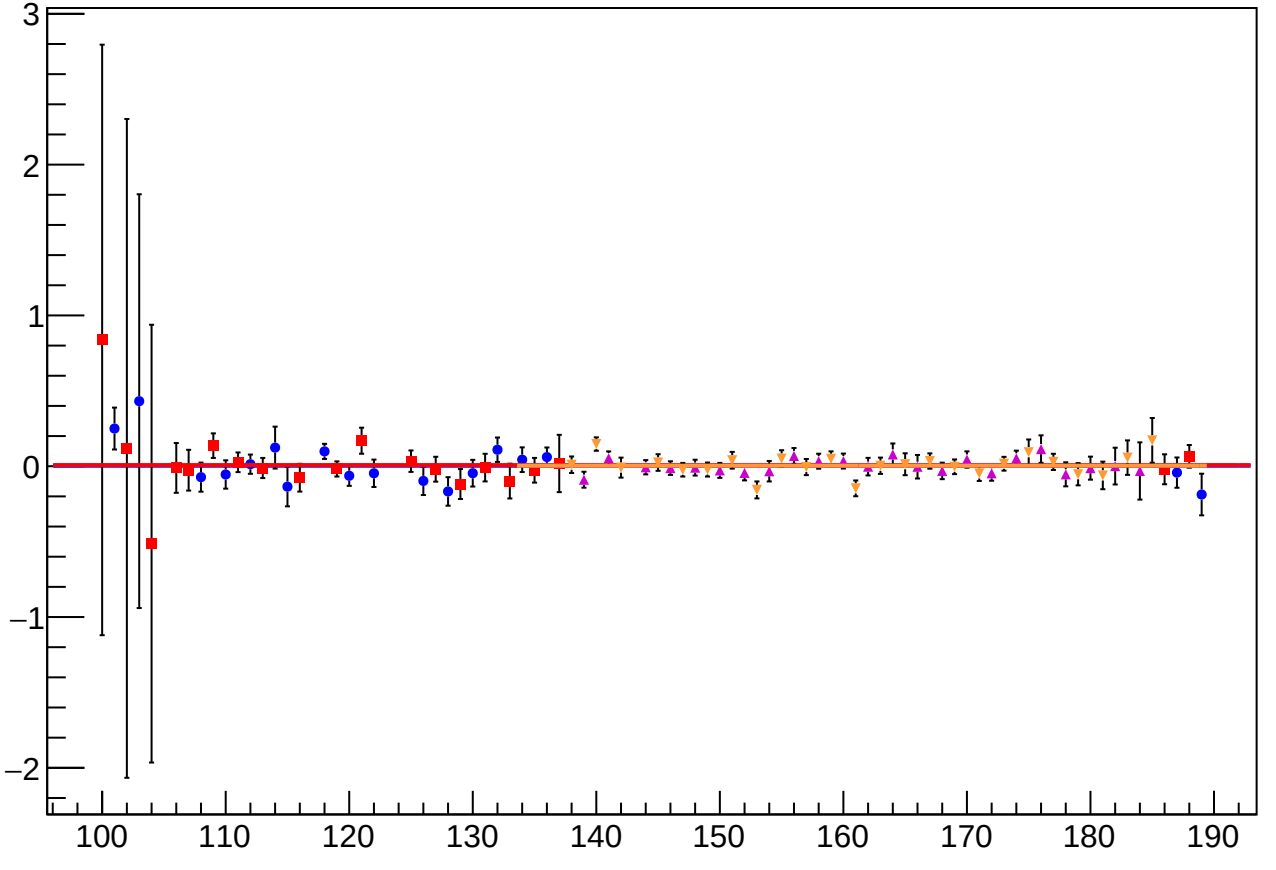
Right: 0.002+/-0.000 χ^2/NDF: 11462190.1/37

In: 0.002+/-0.000 χ^2/NDF:14441291.2/40

Out: 0.002+/-0.000 χ^2/NDF:18396471.2/43

All: 0.002+/-0.000 χ^2/NDF: 33011248.4/84

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

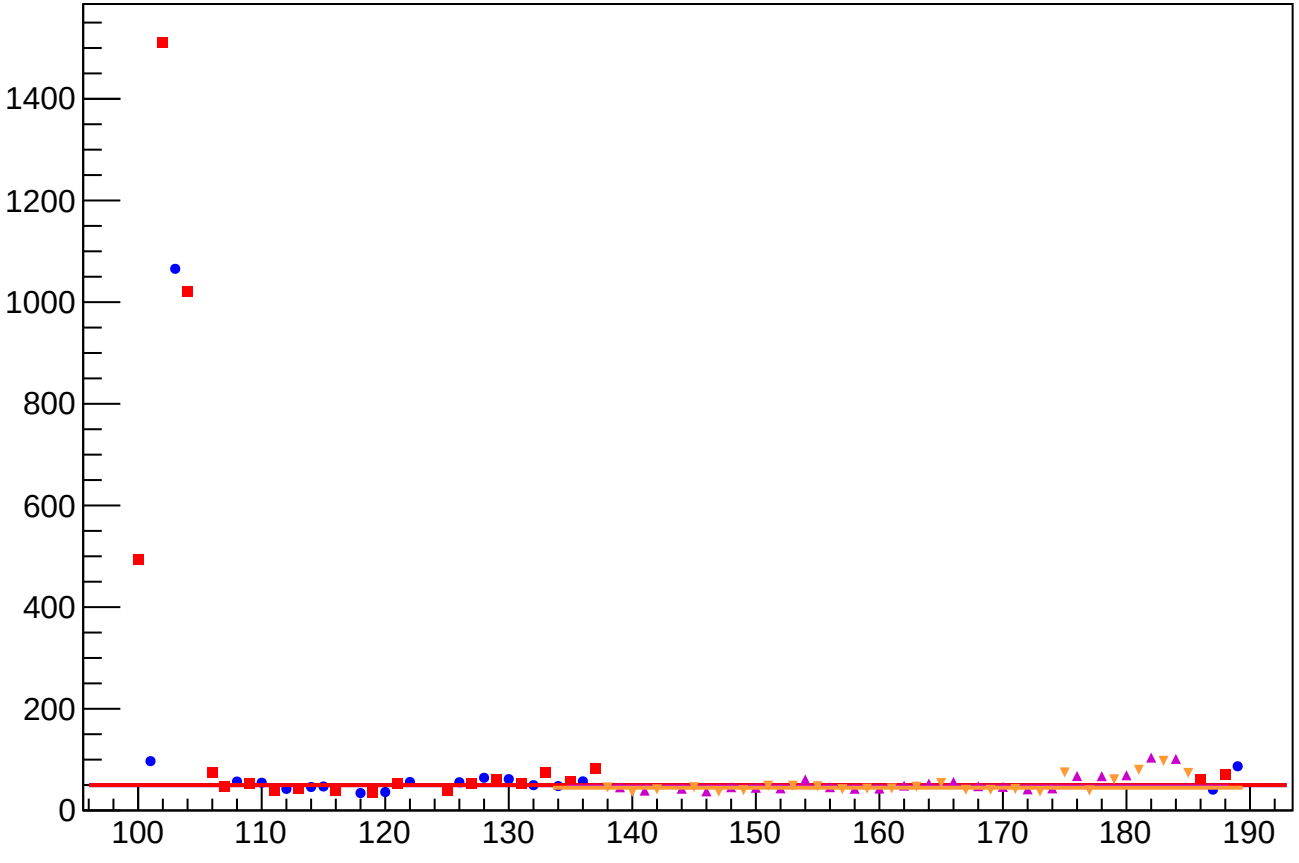
Right: 0.006+/-0.014 χ^2/NDF: 31.9/37

In: 0.003+/-0.010 χ^2/NDF:35.1/40

Out: 0.005+/-0.010 χ^2/NDF:46.3/43

All: 0.004+/-0.007 χ^2/NDF: 81.4/84

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.804+/-0.014 χ^2/NDF: 1937964.4/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 49.853+/-0.014 χ^2/NDF: 2624760.8/19

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

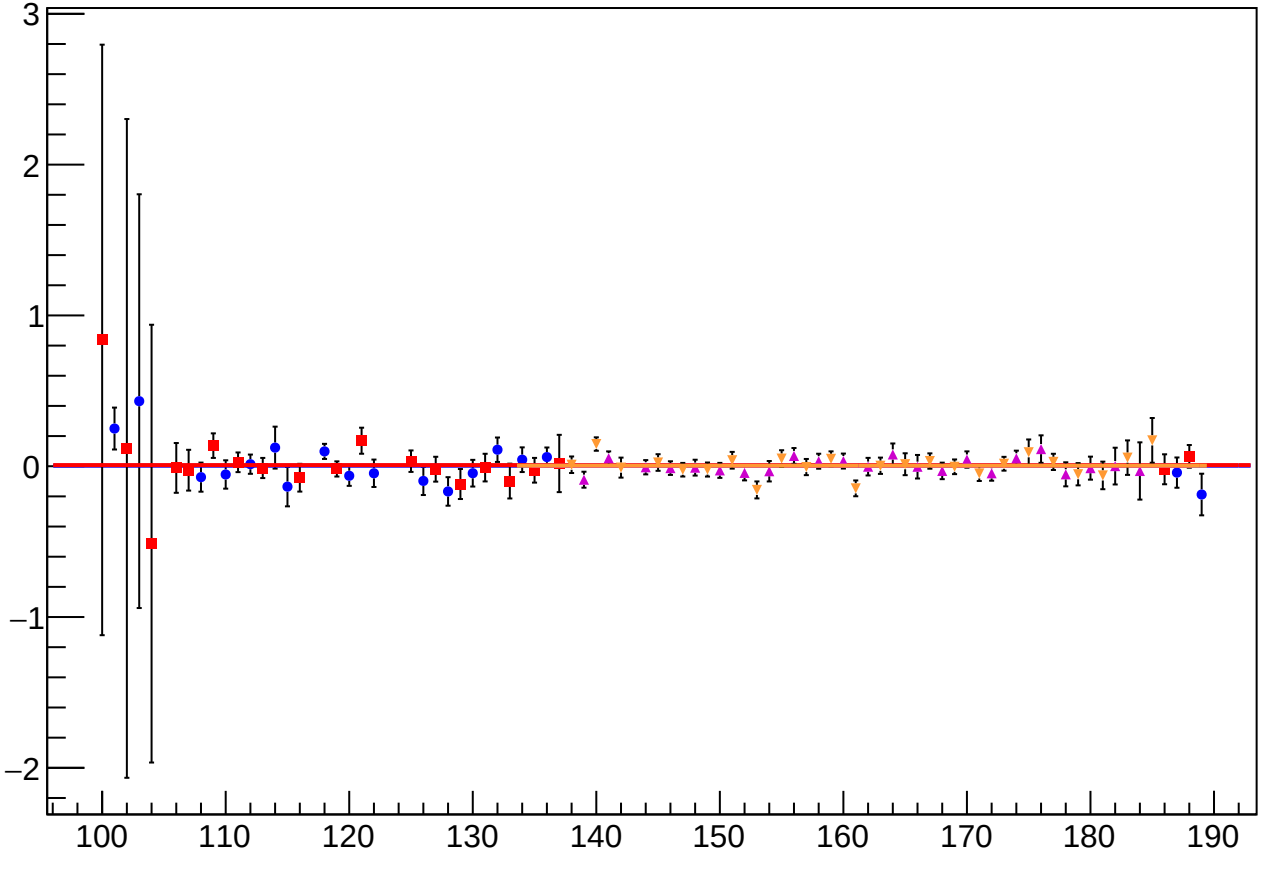
Right: 49.829+/-0.010 χ^2/NDF: 4562731.0/37

In: 47.746+/-0.007 χ^2/NDF:3348799.7/40

Out: 45.985+/-0.007 χ^2/NDF:4203008.8/43

All: 46.840+/-0.005 χ^2/NDF: 7581911.9/84

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.020 χ^2/NDF: 20.7/17

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

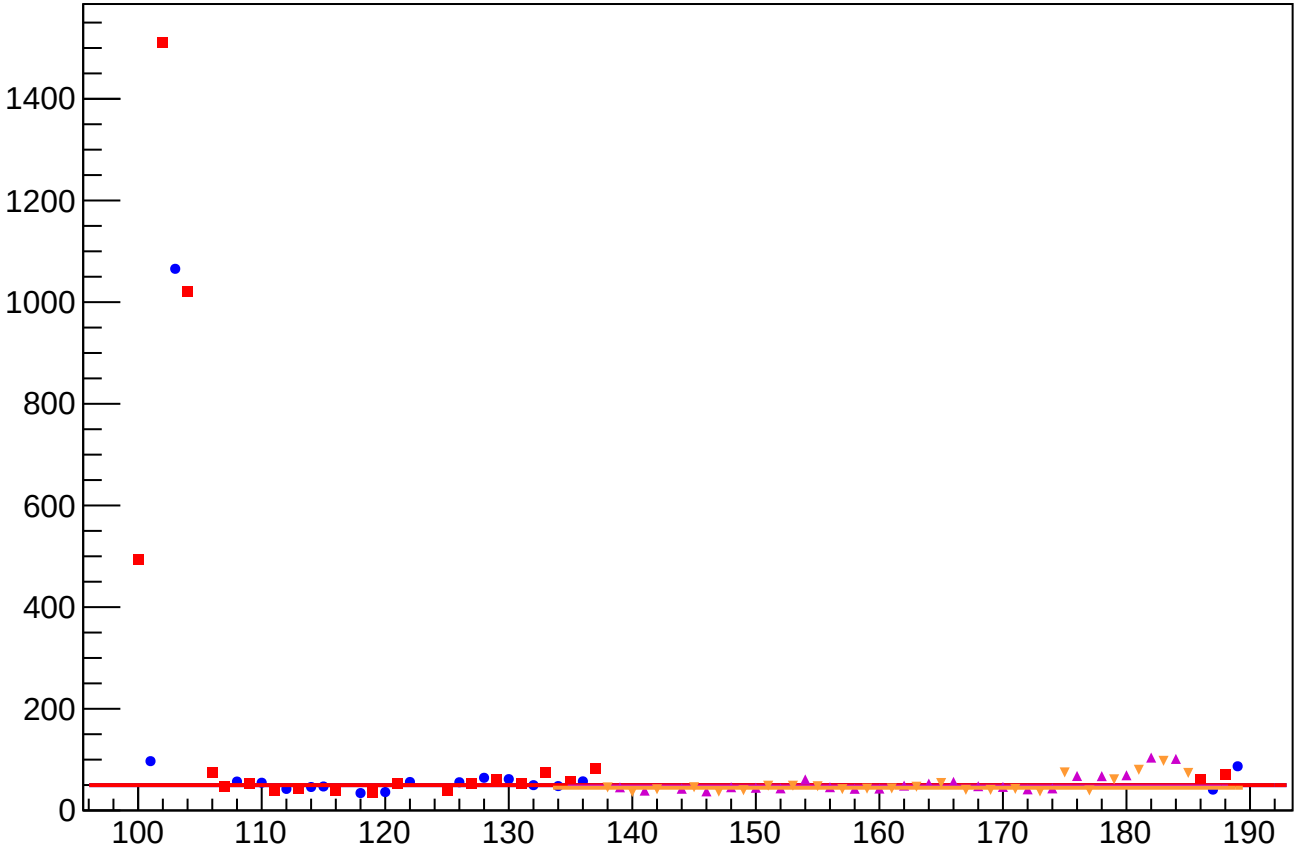
Right: 0.006+/-0.014 χ^2/NDF: 31.9/37

In: 0.003+/-0.010 χ^2/NDF:35.1/40

Out: 0.005+/-0.010 χ^2/NDF:46.3/43

All: 0.004+/-0.007 χ^2/NDF: 81.4/84

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.804+/-0.014 χ^2/NDF: 1937964.4/17

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 49.853+/-0.014 χ^2/NDF: 2624760.8/19

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

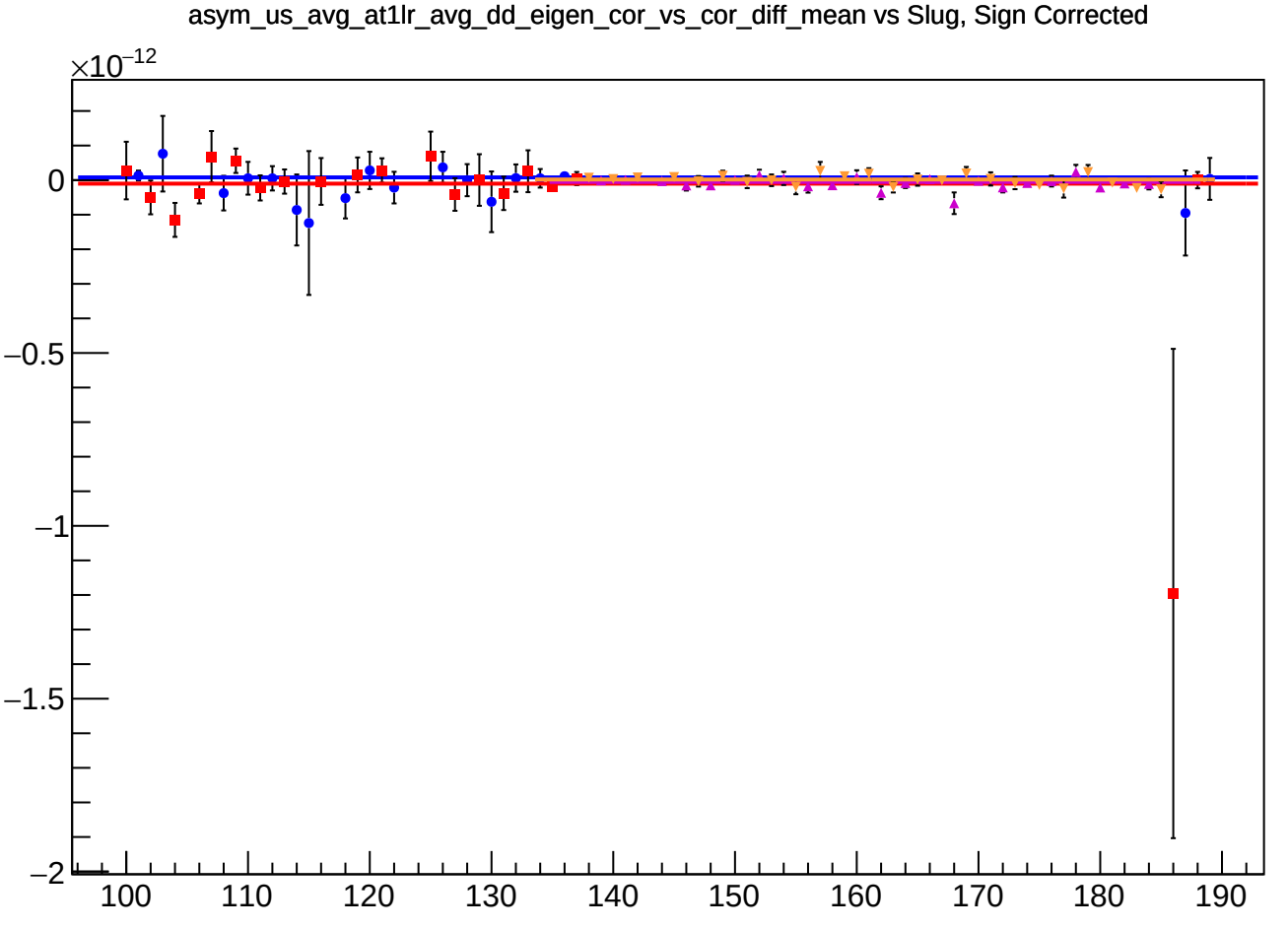
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 49.829+/-0.010 χ^2/NDF: 4562731.0/37

In: 47.746+/-0.007 χ^2/NDF:3348799.7/40

Out: 45.985+/-0.007 χ^2/NDF:4203008.8/43

All: 46.840+/-0.005 χ^2/NDF: 7581911.9/84



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/19

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

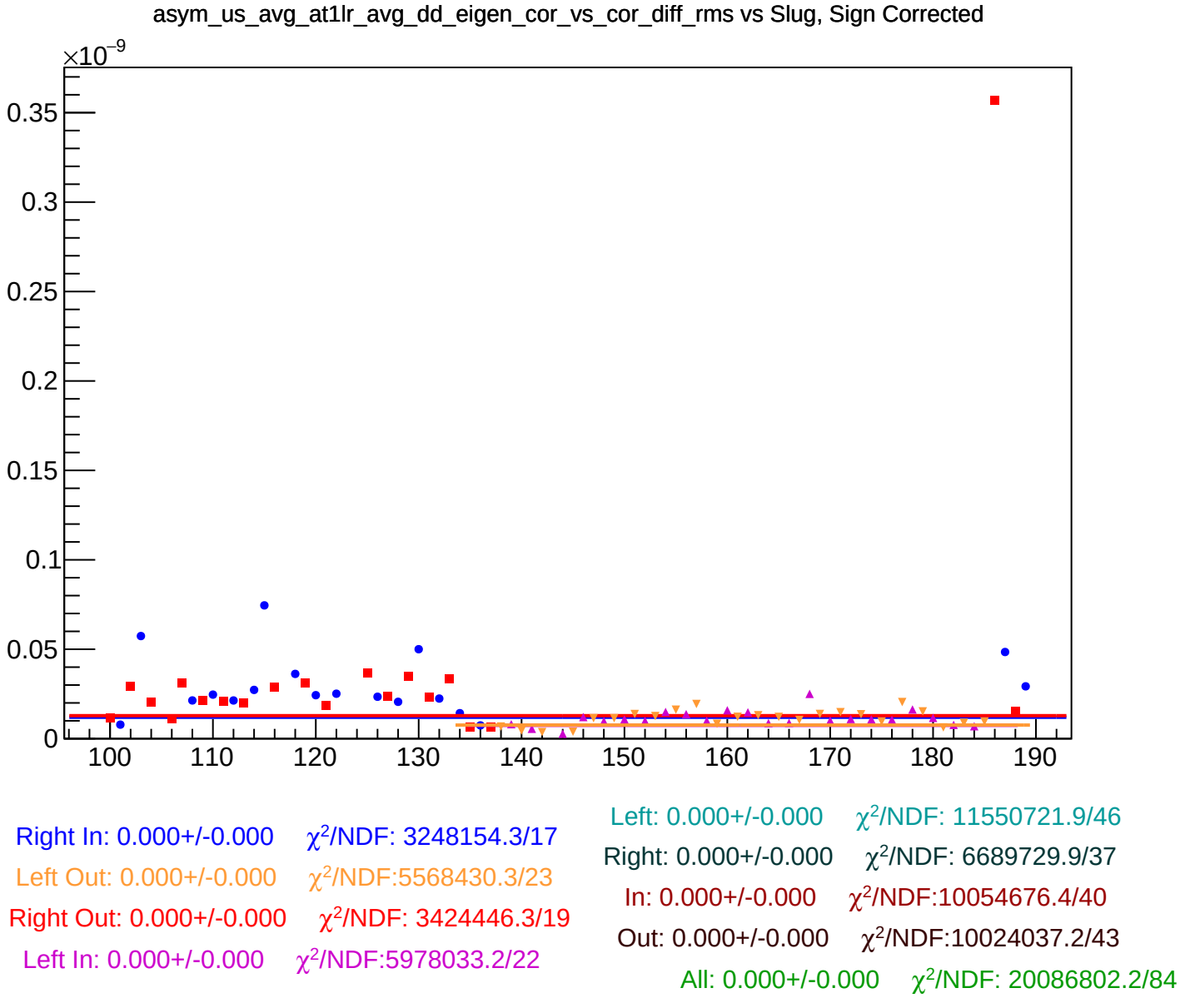
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

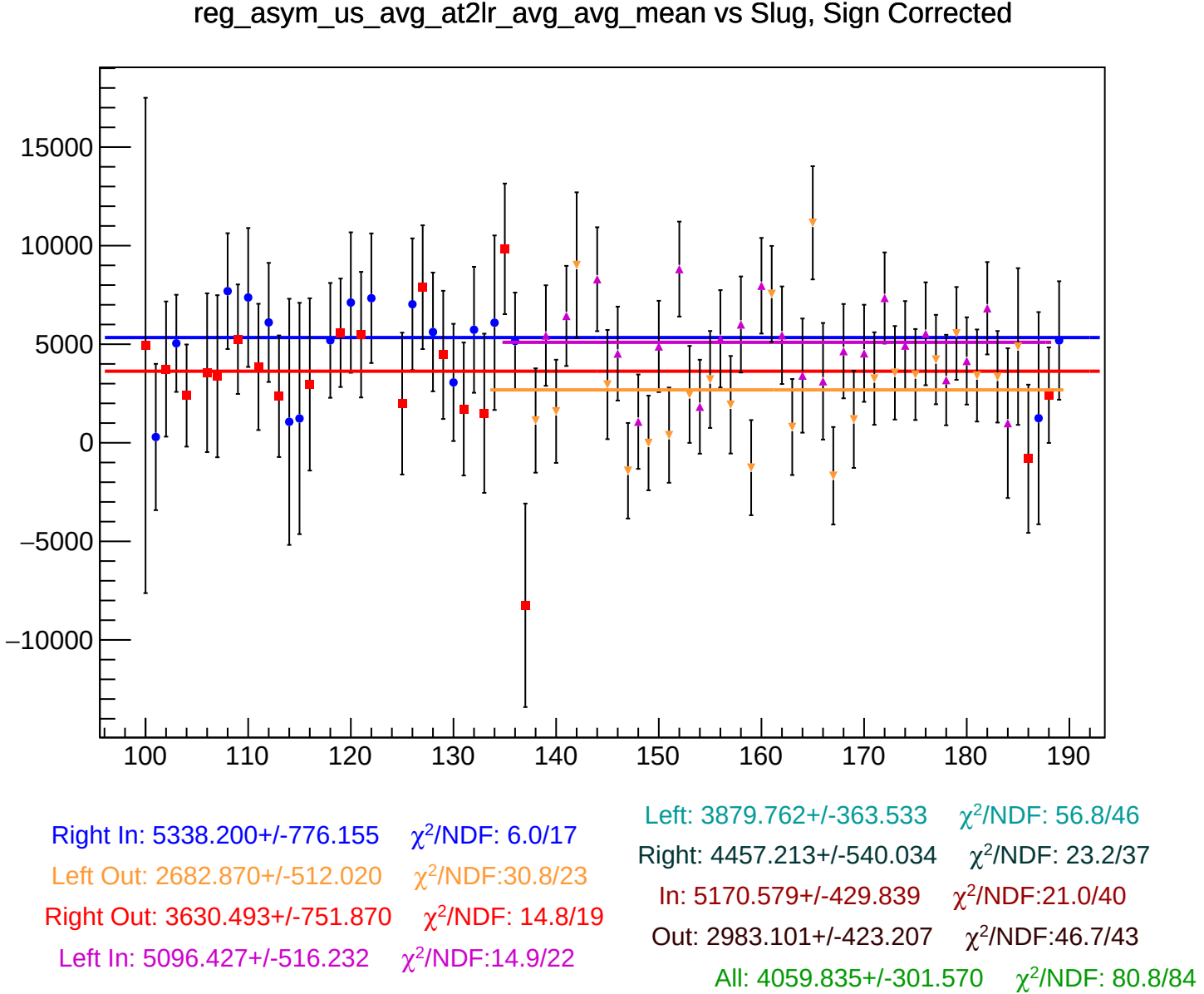
Right: -0.000+/-0.000 χ^2/NDF: 28.9/37

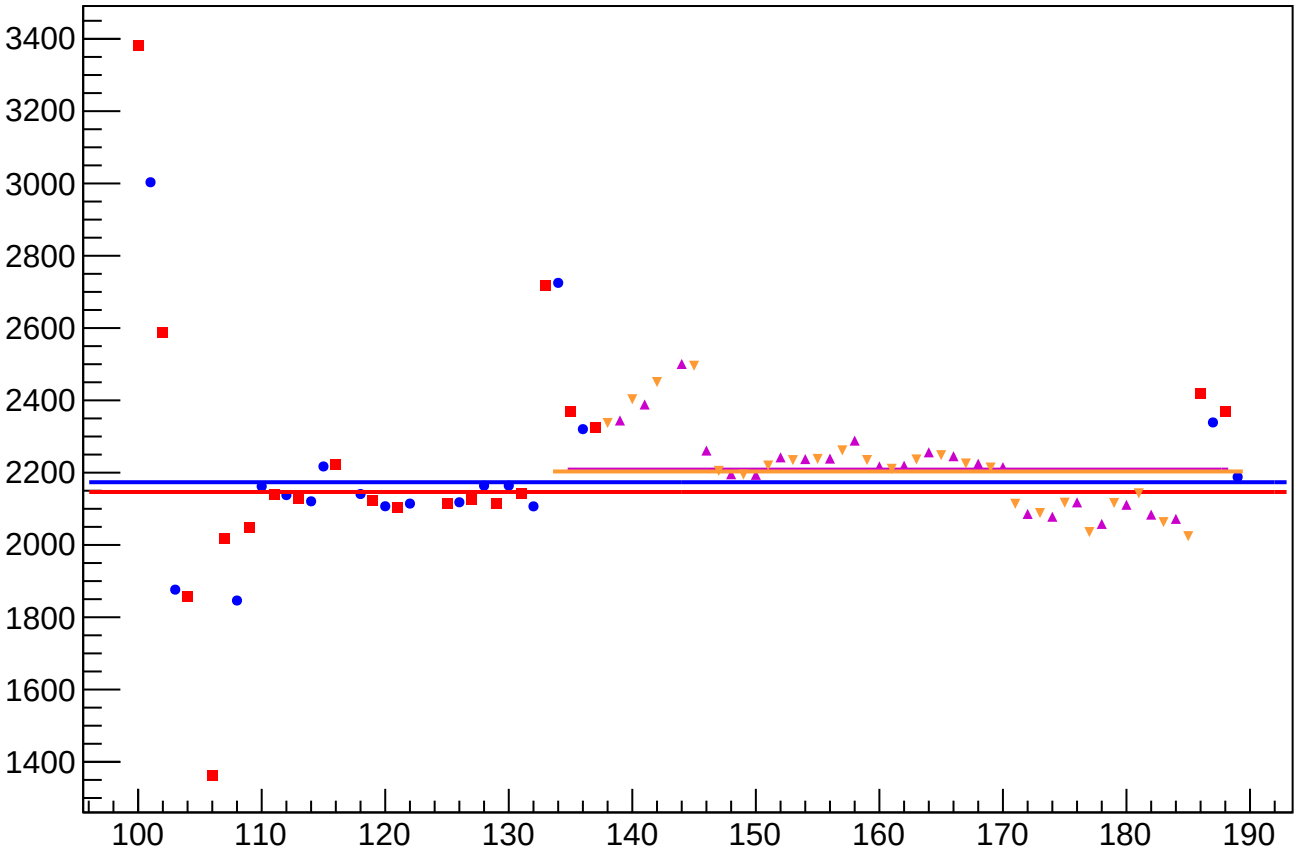
In: -0.000+/-0.000 χ^2/NDF:27.5/40

Out: 0.000+/-0.000 χ^2/NDF:42.5/43

All: -0.000+/-0.000 χ^2/NDF: 71.7/84


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3248154.3/17
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3424446.3/19
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 6689729.9/37
In: 0.000+/-0.000 χ²/NDF:10054676.4/40
Out: 0.000+/-0.000 χ²/NDF:10024037.2/43
All: 0.000+/-0.000 χ²/NDF: 20086802.2/84


reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 5338.200+/-776.155 χ²/NDF: 6.0/17
Left Out: 2682.870+/-512.020 χ²/NDF:30.8/23
Right Out: 3630.493+/-751.870 χ²/NDF: 14.8/19
Left In: 5096.427+/-516.232 χ²/NDF:14.9/22
Left: 3879.762+/-363.533 χ²/NDF: 56.8/46
Right: 4457.213+/-540.034 χ²/NDF: 23.2/37
In: 5170.579+/-429.839 χ²/NDF:21.0/40
Out: 2983.101+/-423.207 χ²/NDF:46.7/43
All: 4059.835+/-301.570 χ²/NDF: 80.8/84



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.0/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2146.511+/-0.524 χ^2/NDF: 298751.0/19

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

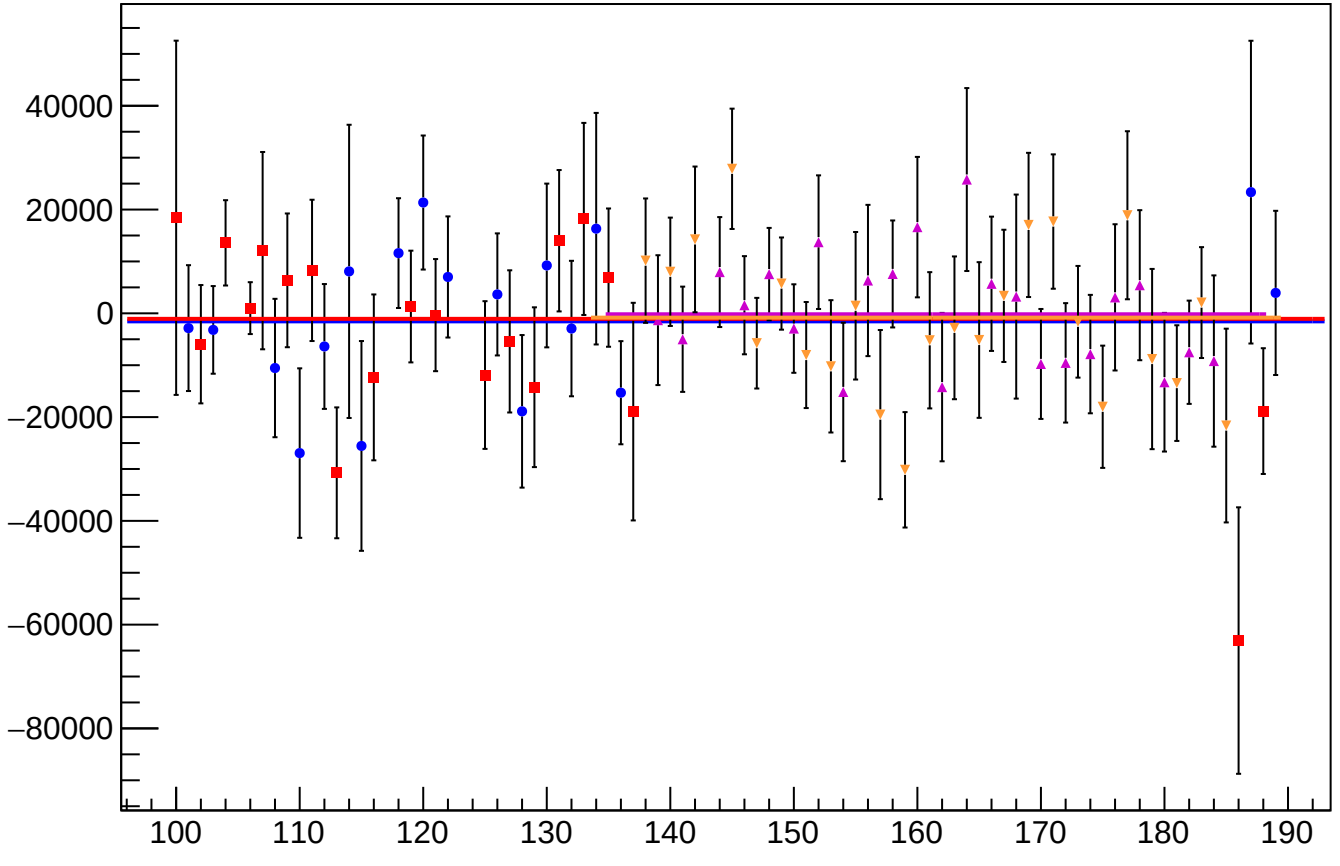
Right: 2159.411+/-0.379 χ^2/NDF: 497683.6/37

In: 2197.695+/-0.304 χ^2/NDF:281451.4/40

Out: 2184.963+/-0.298 χ^2/NDF:394901.6/43

All: 2191.202+/-0.213 χ^2/NDF: 677247.9/84

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1547.058+/-3129.721 χ^2/NDF: 15.3/17

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1064.602+/-2635.880 χ^2/NDF: 24.0/19

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

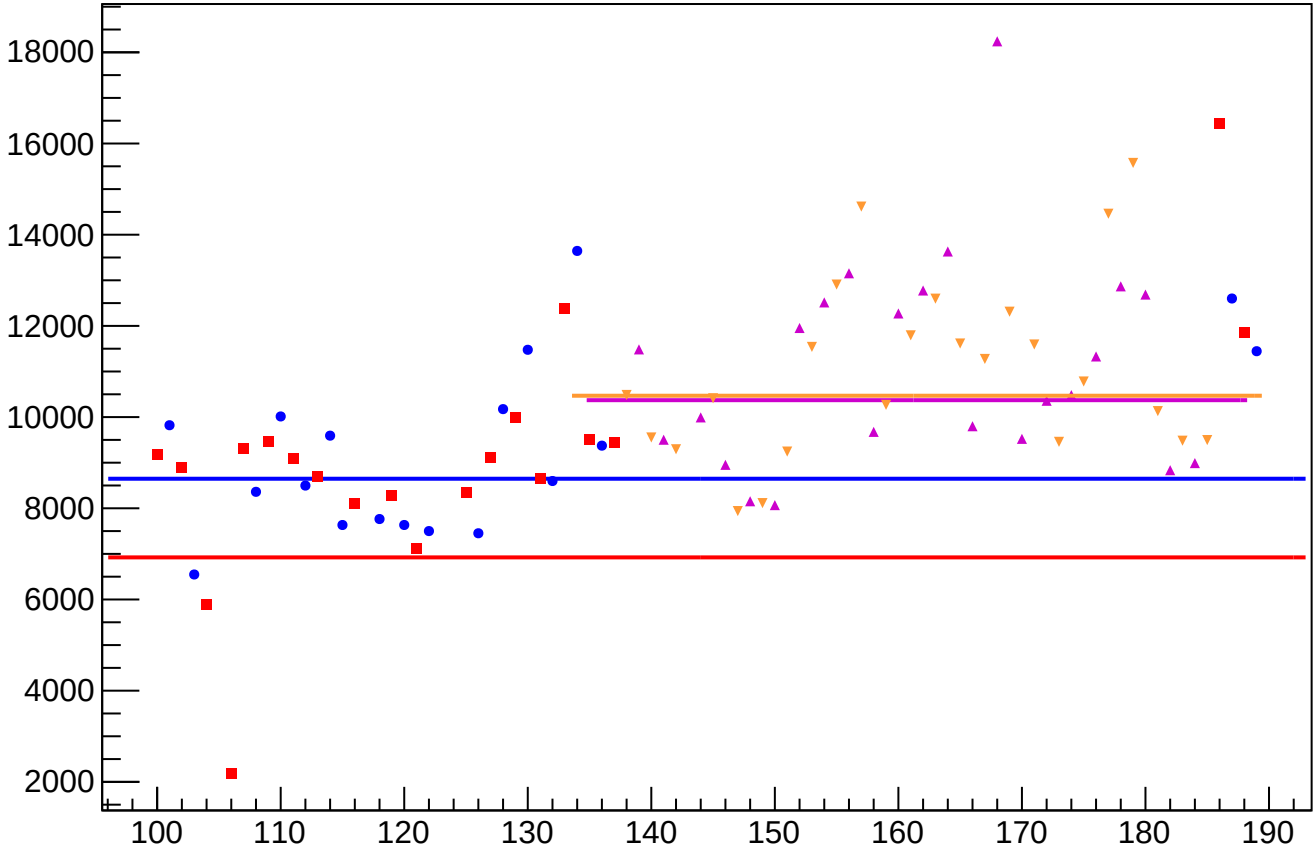
Right: -1264.807+/-2016.111 χ^2/NDF: 39.3/37

In: -706.491+/-1939.503 χ^2/NDF:29.2/40

Out: -942.076+/-1806.786 χ^2/NDF:53.5/43

All: -832.619+/-1322.022 χ^2/NDF: 82.7/84

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8648.170+/-2.213 χ^2/NDF: 527064.9/17

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 6923.169+/-1.864 χ^2/NDF: 3210069.5/19

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

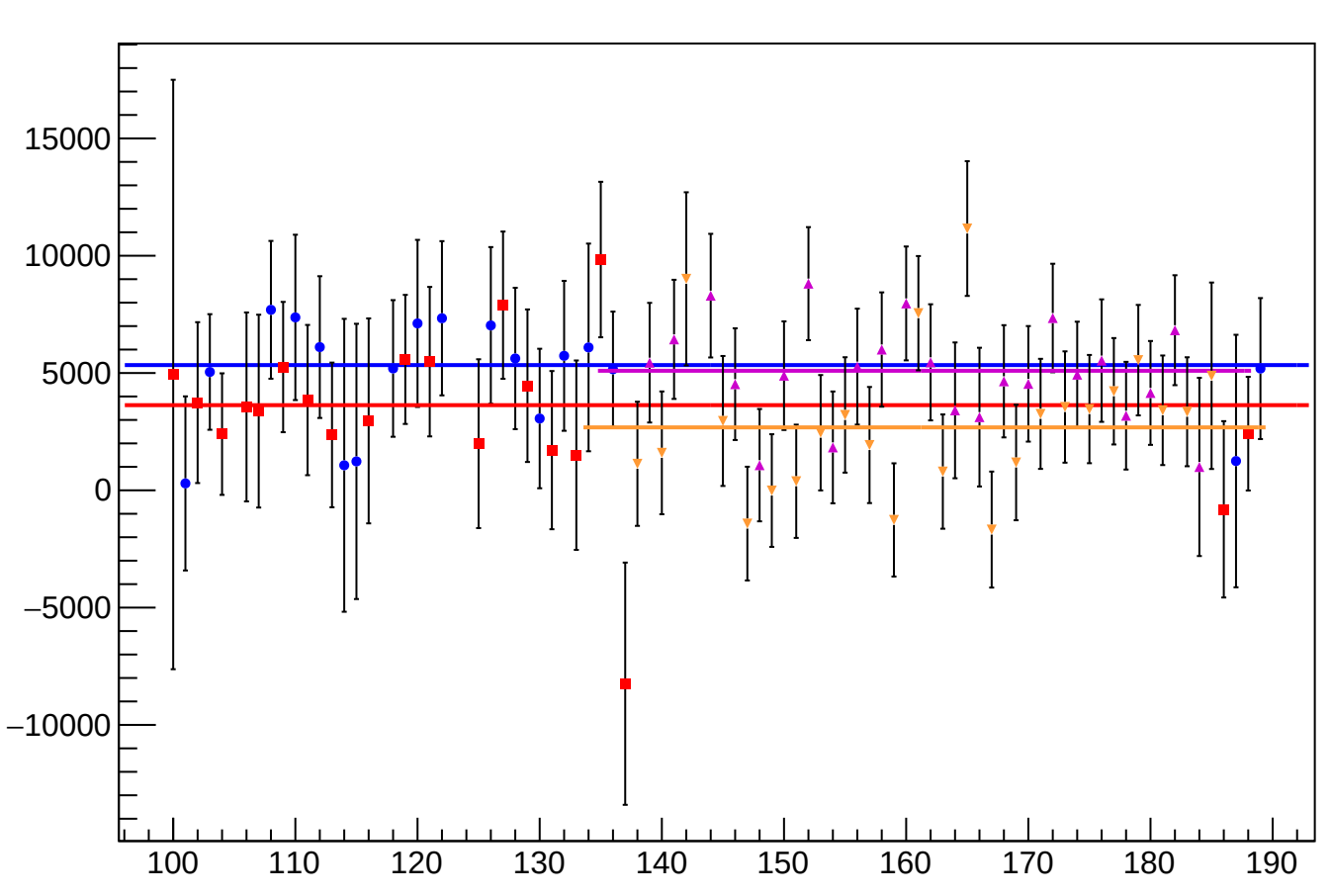
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 7638.994+/-1.426 χ^2/NDF: 4092581.6/37

In: 9709.310+/-1.371 χ^2/NDF:2104079.8/40

Out: 8802.808+/-1.278 χ^2/NDF:6173693.8/43

All: 9223.986+/-0.935 χ^2/NDF: 8511684.6/84



Right In: 5338.387+/-776.155 χ^2/NDF: 6.0/17

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3630.234+/-751.870 χ^2/NDF: 14.8/19

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

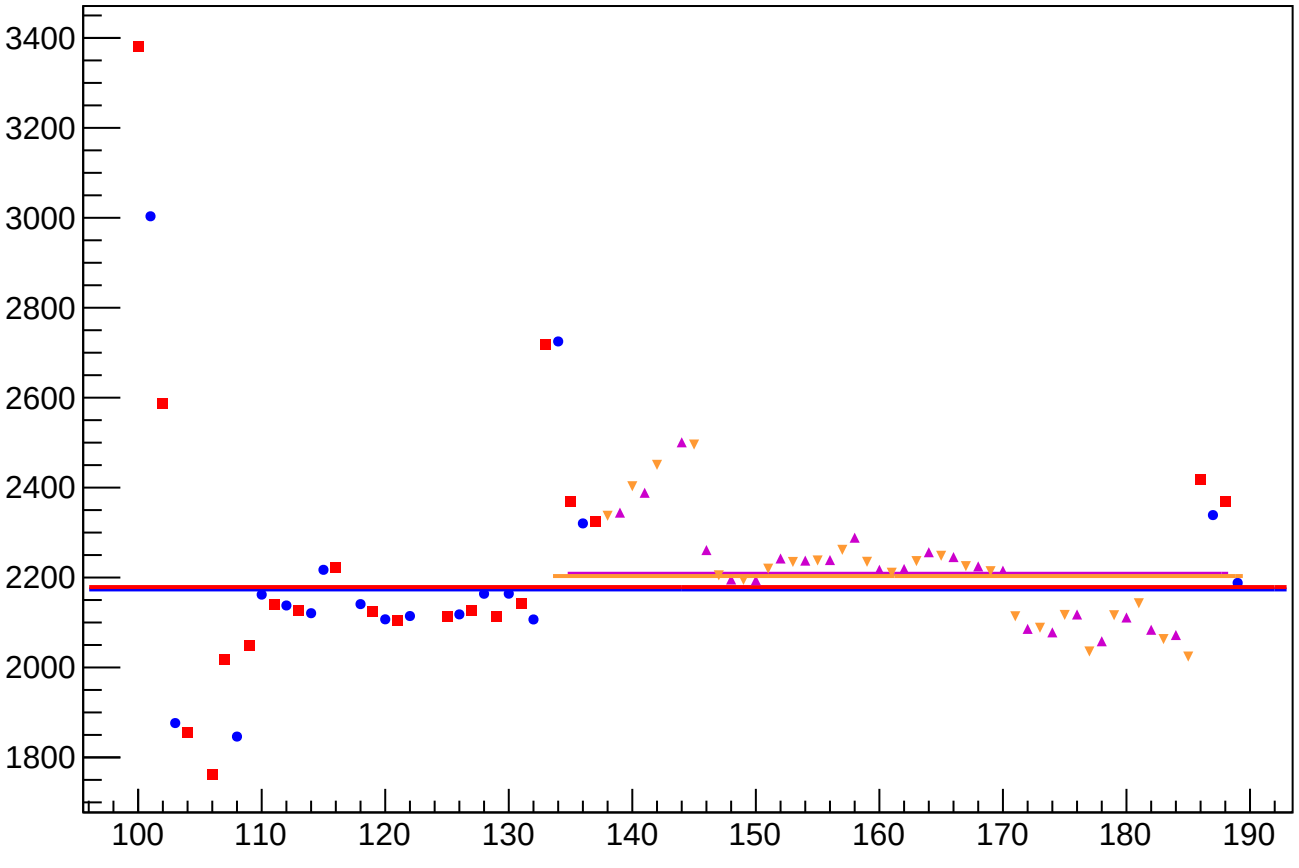
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4457.170+/-540.034 χ^2/NDF: 23.2/37

In: 5170.572+/-429.839 χ^2/NDF:21.0/40

Out: 2982.965+/-423.207 χ^2/NDF:46.7/43

All: 4059.763+/-301.570 χ^2/NDF: 80.8/84



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.4/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2178.796+/-0.529 χ^2/NDF: 181247.1/19

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

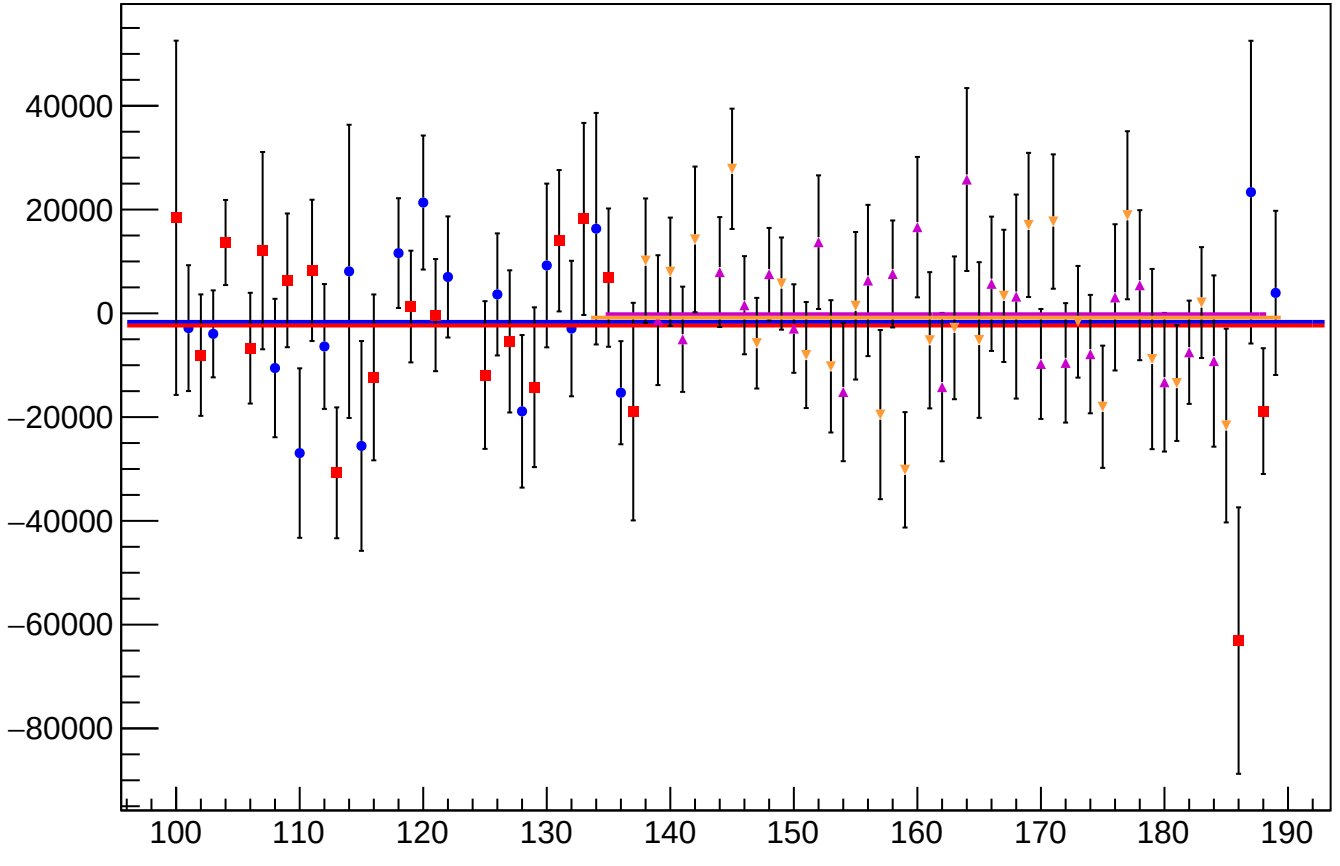
Right: 2176.265+/-0.381 χ^2/NDF: 378958.9/37

In: 2197.695+/-0.304 χ^2/NDF:281451.7/40

Out: 2195.488+/-0.299 χ^2/NDF:270914.8/43

All: 2196.573+/-0.213 χ^2/NDF: 552393.4/84

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1656.787+/-3126.420 χ^2/NDF: 15.3/17

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2343.746+/-2982.929 χ^2/NDF: 24.1/19

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

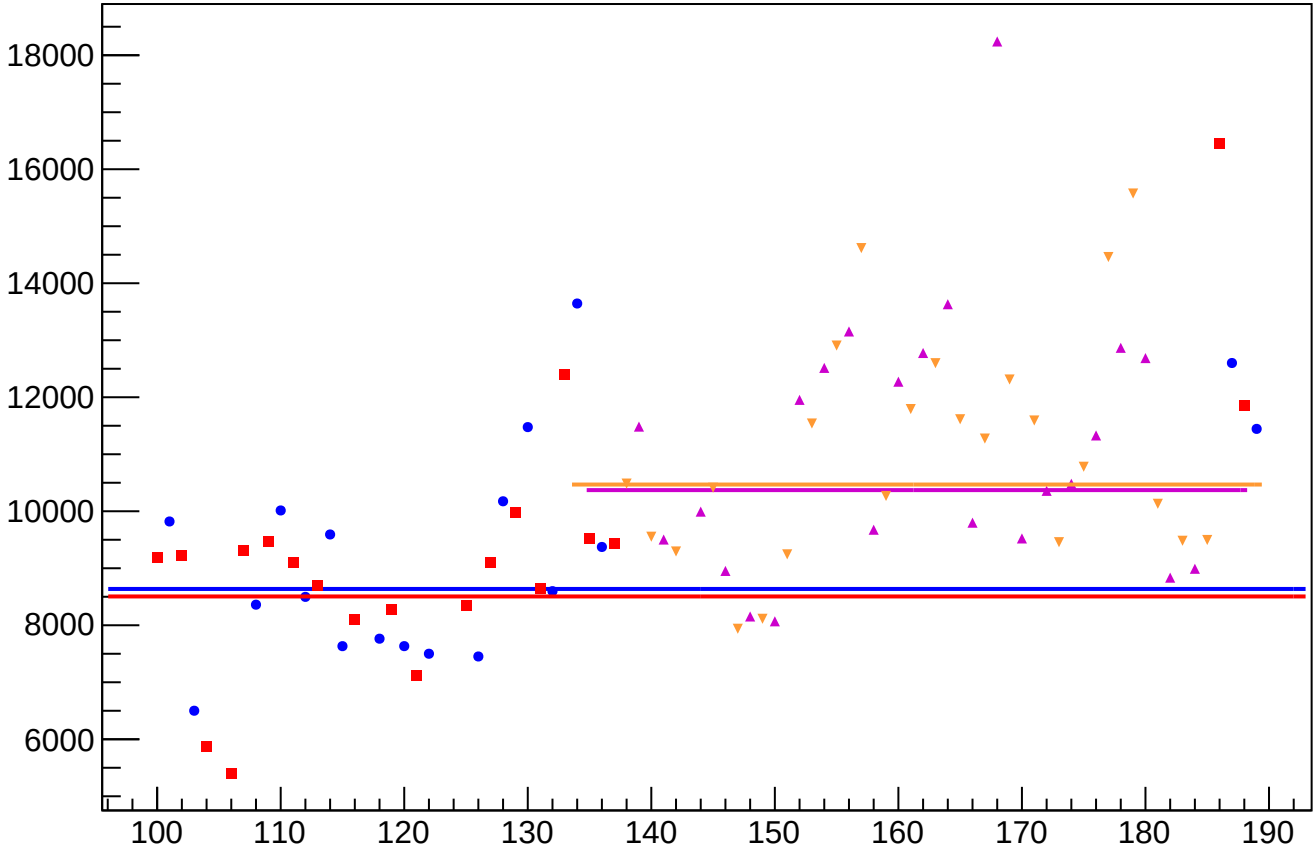
Right: -2016.392+/-2158.194 χ^2/NDF: 39.5/37

In: -749.326+/-1938.715 χ^2/NDF:29.2/40

Out: -1451.162+/-1907.671 χ^2/NDF:53.8/43

All: -1105.908+/-1359.770 χ^2/NDF: 83.1/84

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8637.137+/-2.211 χ^2/NDF: 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8505.350+/-2.109 χ^2/NDF: 907920.3/19

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

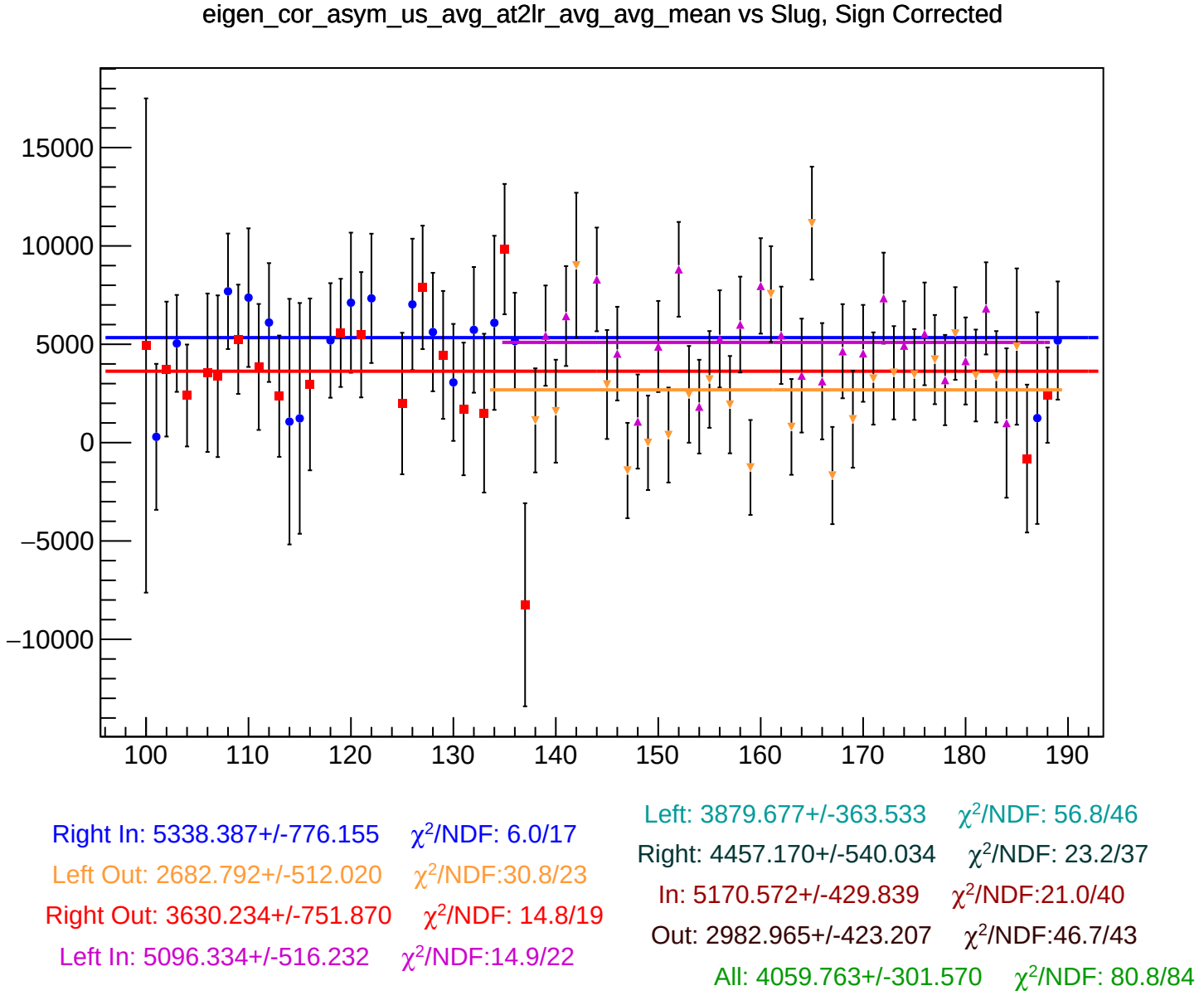
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

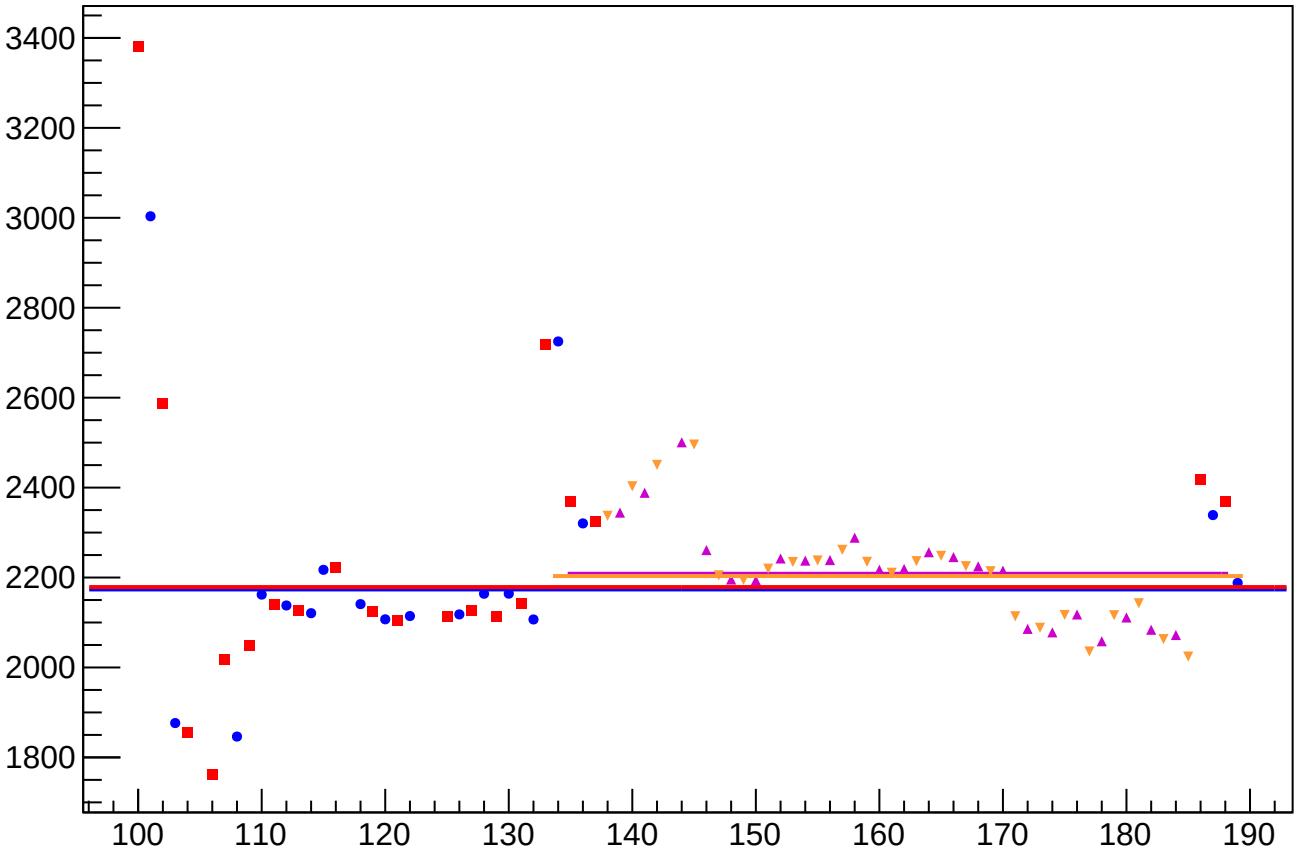
Right: 8568.150+/-1.526 χ^2/NDF: 1444411.9/37

In: 9704.203+/-1.371 χ^2/NDF:2116935.7/40

Out: 9665.680+/-1.349 χ^2/NDF:2465235.6/43

All: 9684.631+/-0.962 χ^2/NDF: 4582572.5/84


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 5338.387+/-776.155 χ²/NDF: 6.0/17
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: 3630.234+/-751.870 χ²/NDF: 14.8/19
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4457.170+/-540.034 χ²/NDF: 23.2/37
In: 5170.572+/-429.839 χ²/NDF:21.0/40
Out: 2982.965+/-423.207 χ²/NDF:46.7/43
All: 4059.763+/-301.570 χ²/NDF: 80.8/84



Right In: 2173.545+/-0.549 χ^2/NDF: 197664.4/17

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2178.796+/-0.529 χ^2/NDF: 181247.1/19

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

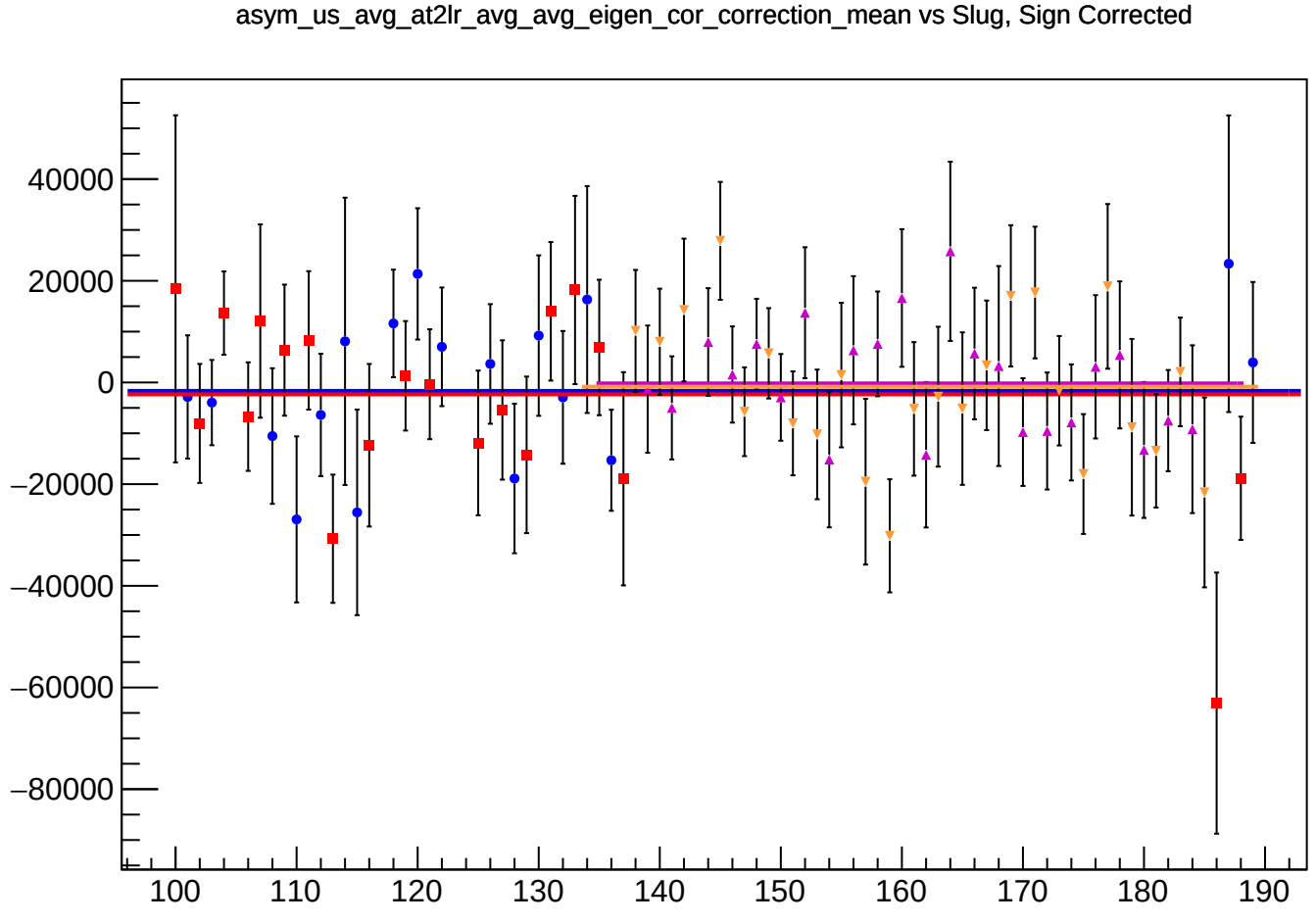
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2176.265+/-0.381 χ^2/NDF: 378958.9/37

In: 2197.695+/-0.304 χ^2/NDF:281451.7/40

Out: 2195.488+/-0.299 χ^2/NDF:270914.8/43

All: 2196.573+/-0.213 χ^2/NDF: 552393.4/84



Right In: -1656.787+/-3126.420 χ^2/NDF: 15.3/17

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2343.746+/-2982.929 χ^2/NDF: 24.1/19

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

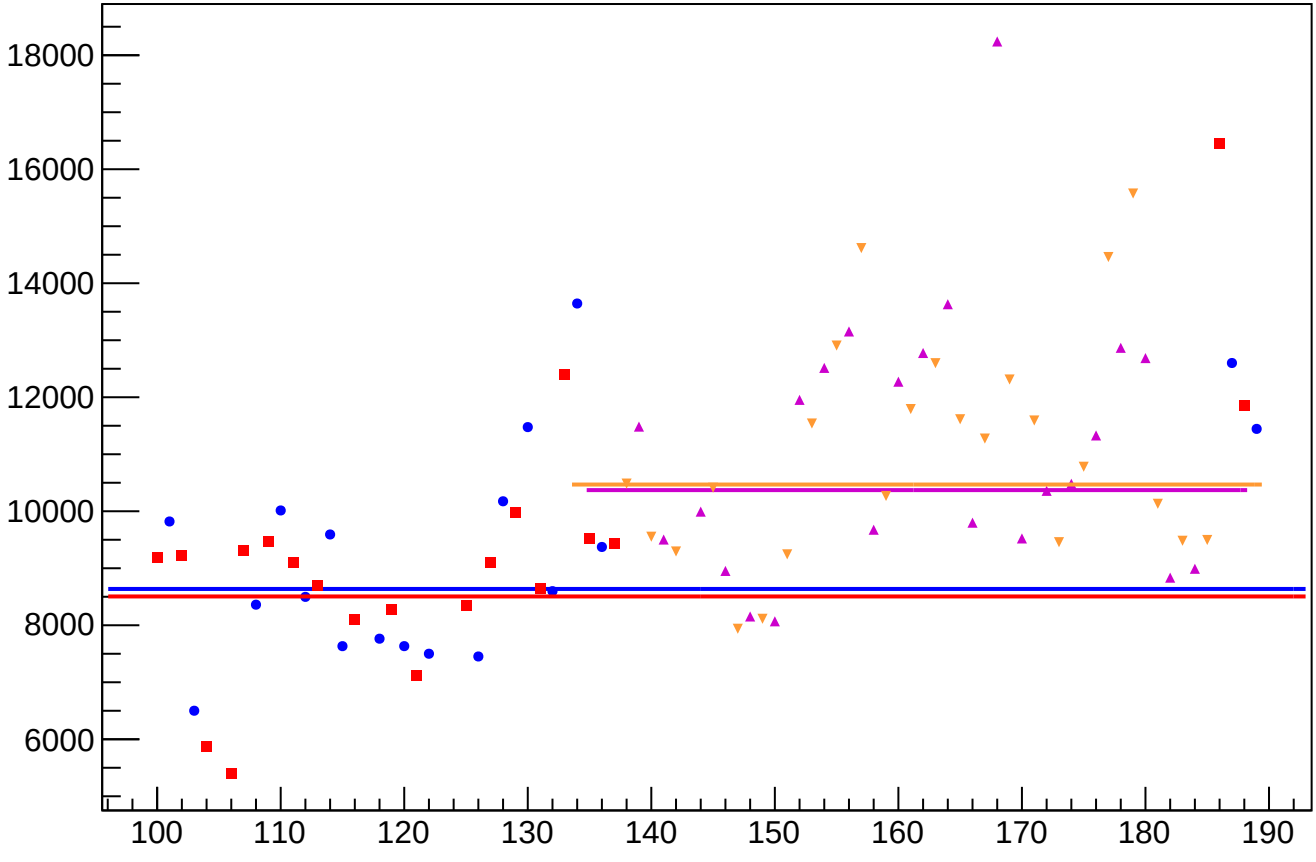
Right: -2016.392+/-2158.194 χ^2/NDF: 39.5/37

In: -749.326+/-1938.715 χ^2/NDF:29.2/40

Out: -1451.162+/-1907.671 χ^2/NDF:53.8/43

All: -1105.908+/-1359.770 χ^2/NDF: 83.1/84

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8637.137+/-2.211 χ^2/NDF: 534631.3/17

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8505.350+/-2.109 χ^2/NDF: 907920.3/19

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

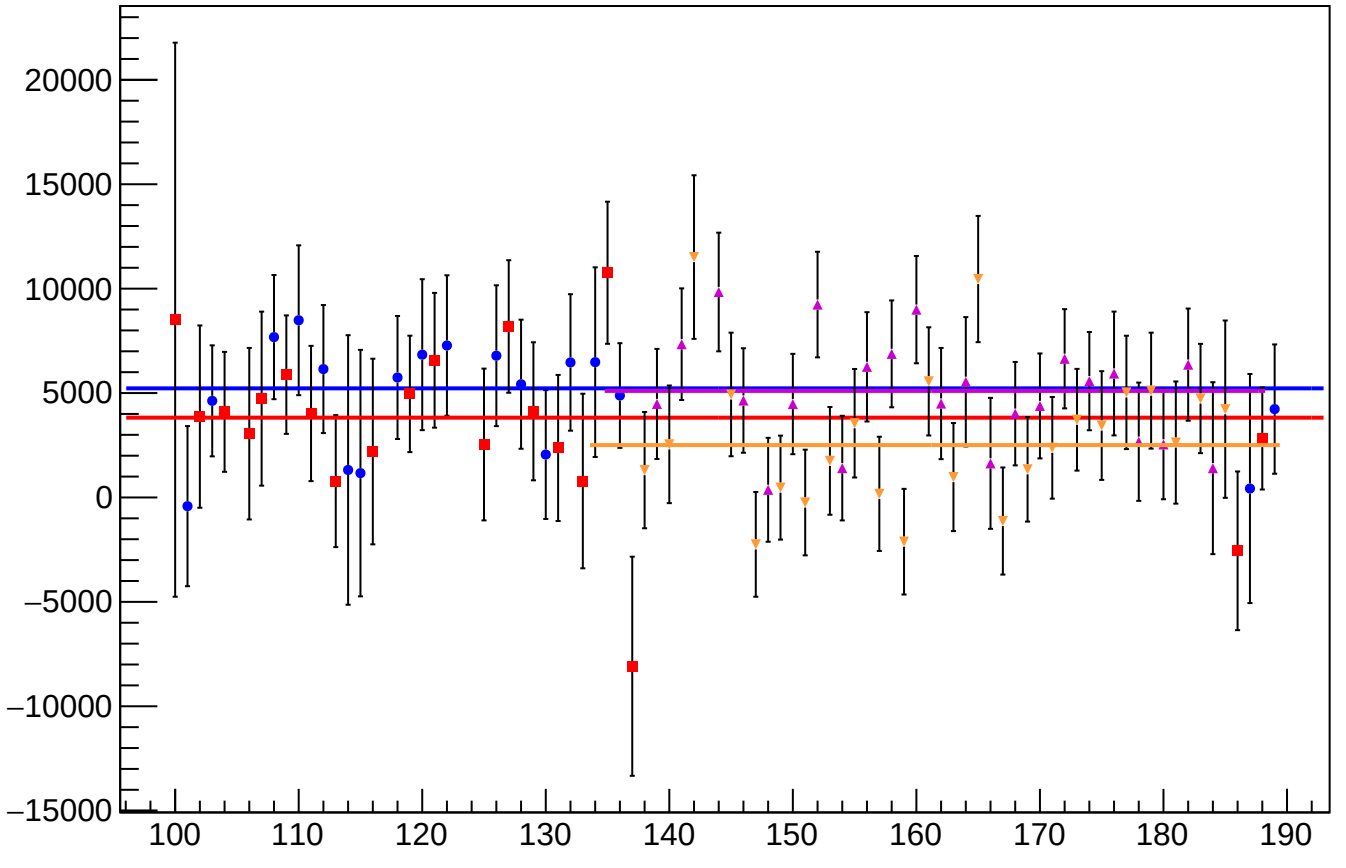
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8568.150+/-1.526 χ^2/NDF: 1444411.9/37

In: 9704.203+/-1.371 χ^2/NDF:2116935.7/40

Out: 9665.680+/-1.349 χ^2/NDF:2465235.6/43

All: 9684.631+/-0.962 χ^2/NDF: 4582572.5/84



Right In: 5225.108+/-796.486 χ^2/NDF: 7.6/17

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3821.311+/-777.063 χ^2/NDF: 17.7/19

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

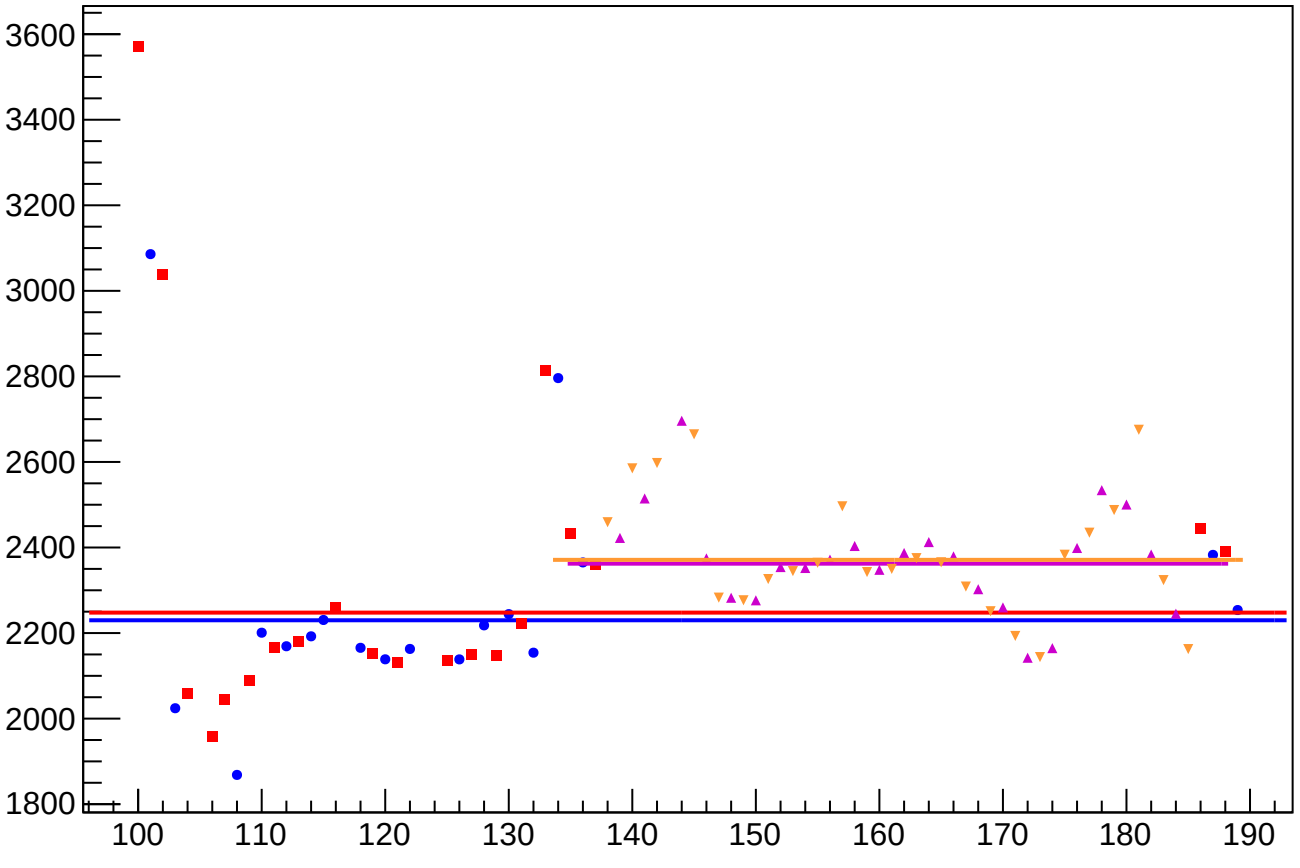
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4505.884+/-556.206 χ^2/NDF: 26.9/37

In: 5142.672+/-454.017 χ^2/NDF:27.6/40

Out: 2948.685+/-449.797 χ^2/NDF:49.4/43

All: 4035.435+/-319.536 χ^2/NDF: 88.8/84



Right In: 2229.882+/-0.563 χ^2/NDF: 186433.1/17

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2247.794+/-0.549 χ^2/NDF: 184074.7/19

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

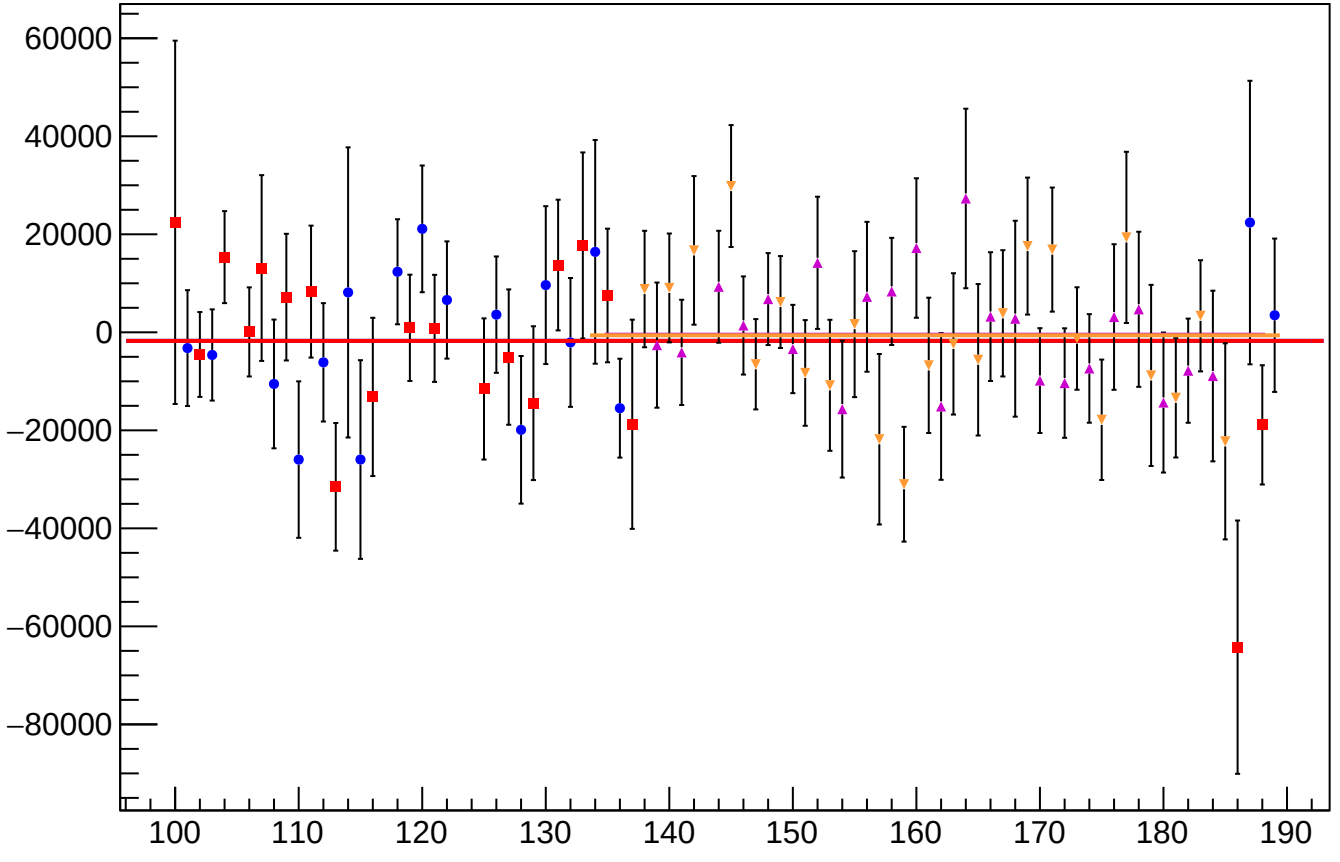
Right: 2239.064+/-0.393 χ^2/NDF: 371026.3/37

In: 2319.218+/-0.321 χ^2/NDF:315601.8/40

Out: 2329.780+/-0.318 χ^2/NDF:333901.3/43

All: 2324.549+/-0.226 χ^2/NDF: 650049.5/84

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1741.167+/-3183.028 χ^2/NDF: 15.3/17

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -1751.438+/-2926.161 χ^2/NDF: 23.9/19

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

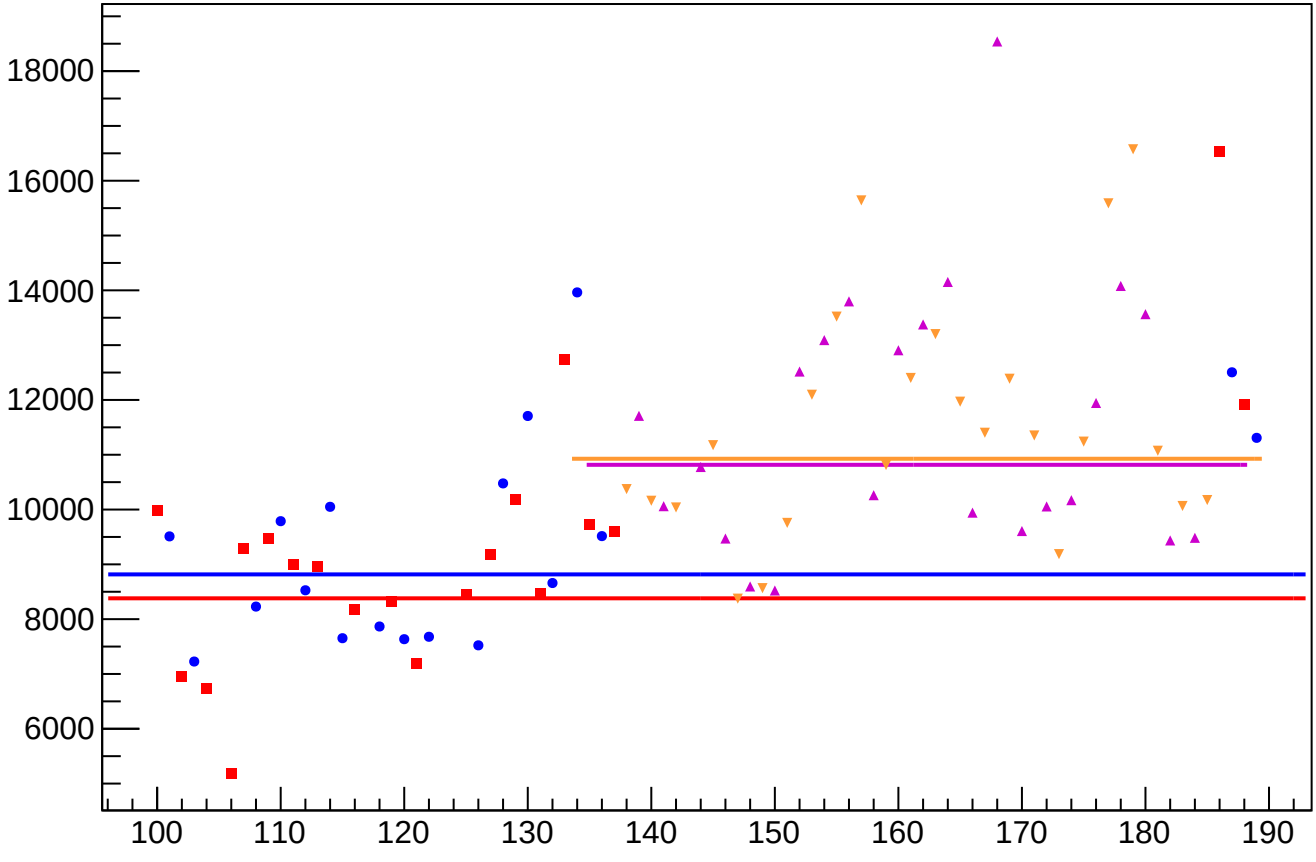
Right: -1746.734+/-2154.203 χ^2/NDF: 39.2/37

In: -985.462+/-2002.979 χ^2/NDF:29.0/40

Out: -1110.436+/-1939.383 χ^2/NDF:52.8/43

All: -1049.964+/-1393.291 χ^2/NDF: 81.8/84

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8816.870+/-2.251 χ^2/NDF: 445747.3/17

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 8380.191+/-2.069 χ^2/NDF: 951035.8/19

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

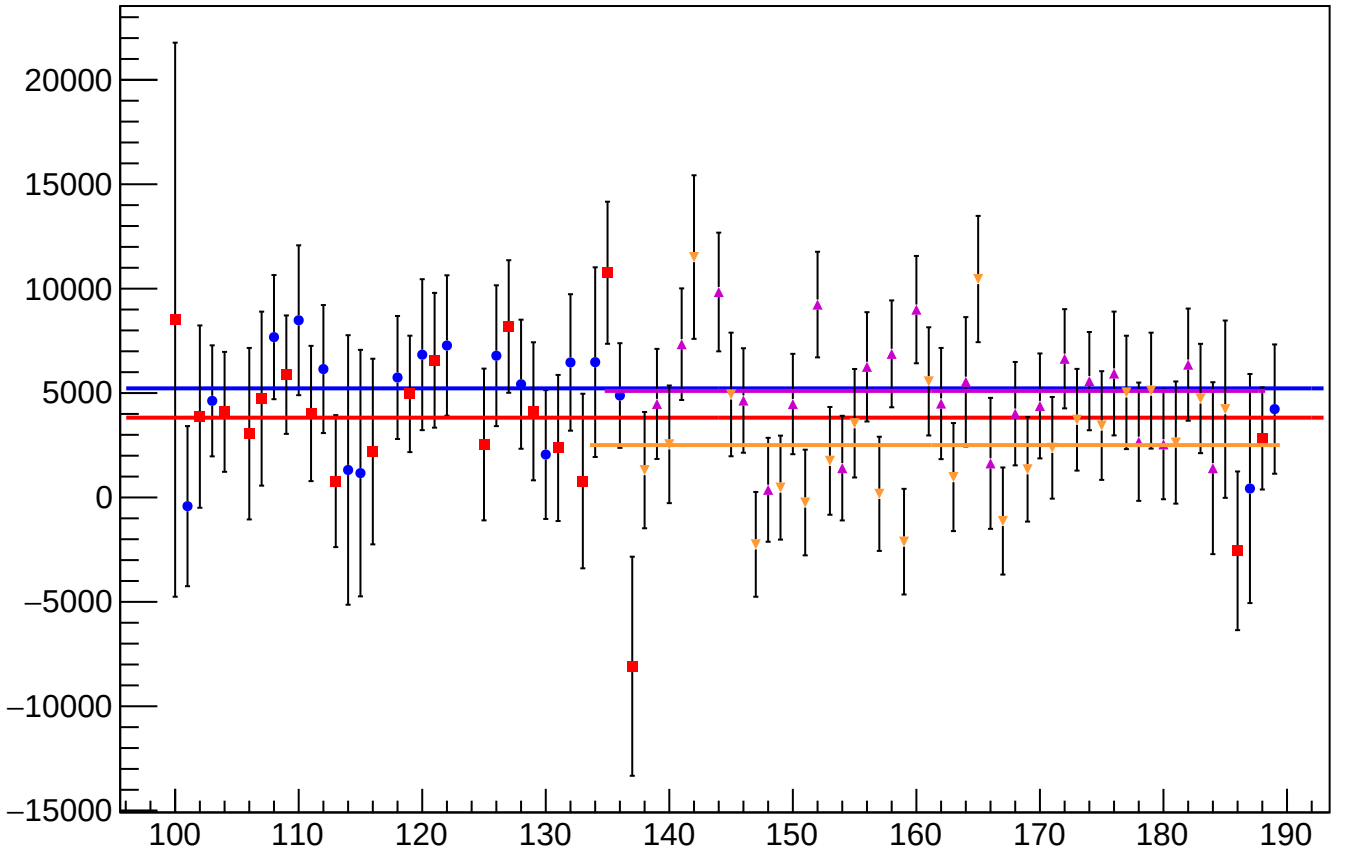
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 8580.202+/-1.523 χ^2/NDF: 1417184.1/37

In: 10024.580+/-1.416 χ^2/NDF:2119243.1/40

Out: 9808.187+/-1.371 χ^2/NDF:2857808.1/43

All: 9912.894+/-0.985 χ^2/NDF: 4989099.4/84



Right In: 5225.110+/-796.485 χ^2/NDF: 7.6/17

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 3821.315+/-777.062 χ^2/NDF: 17.7/19

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

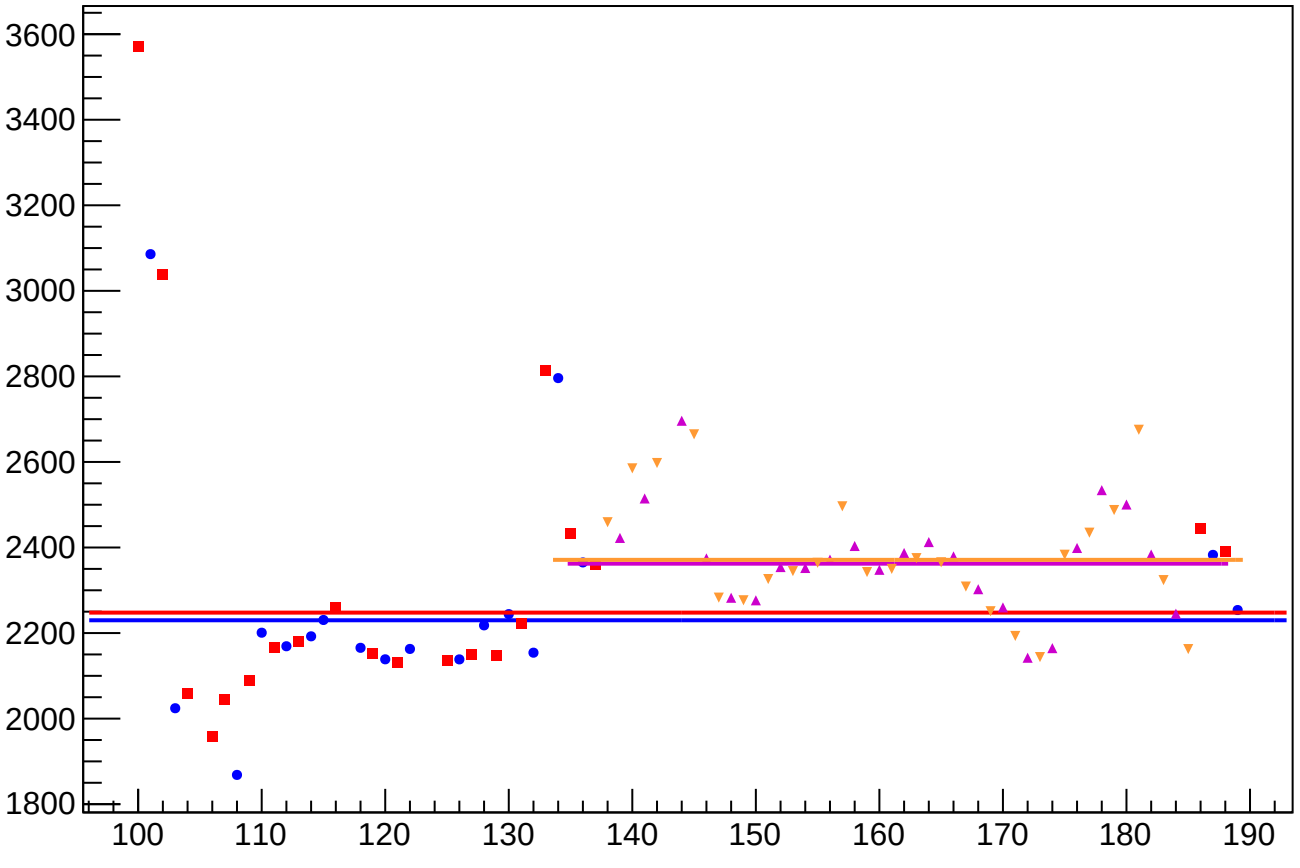
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4505.888+/-556.206 χ^2/NDF: 26.9/37

In: 5142.674+/-454.017 χ^2/NDF:27.6/40

Out: 2948.679+/-449.797 χ^2/NDF:49.4/43

All: 4035.433+/-319.536 χ^2/NDF: 88.8/84



Right In: 2229.881+/-0.563 χ^2/NDF: 186433.3/17

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2247.793+/-0.549 χ^2/NDF: 184074.7/19

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

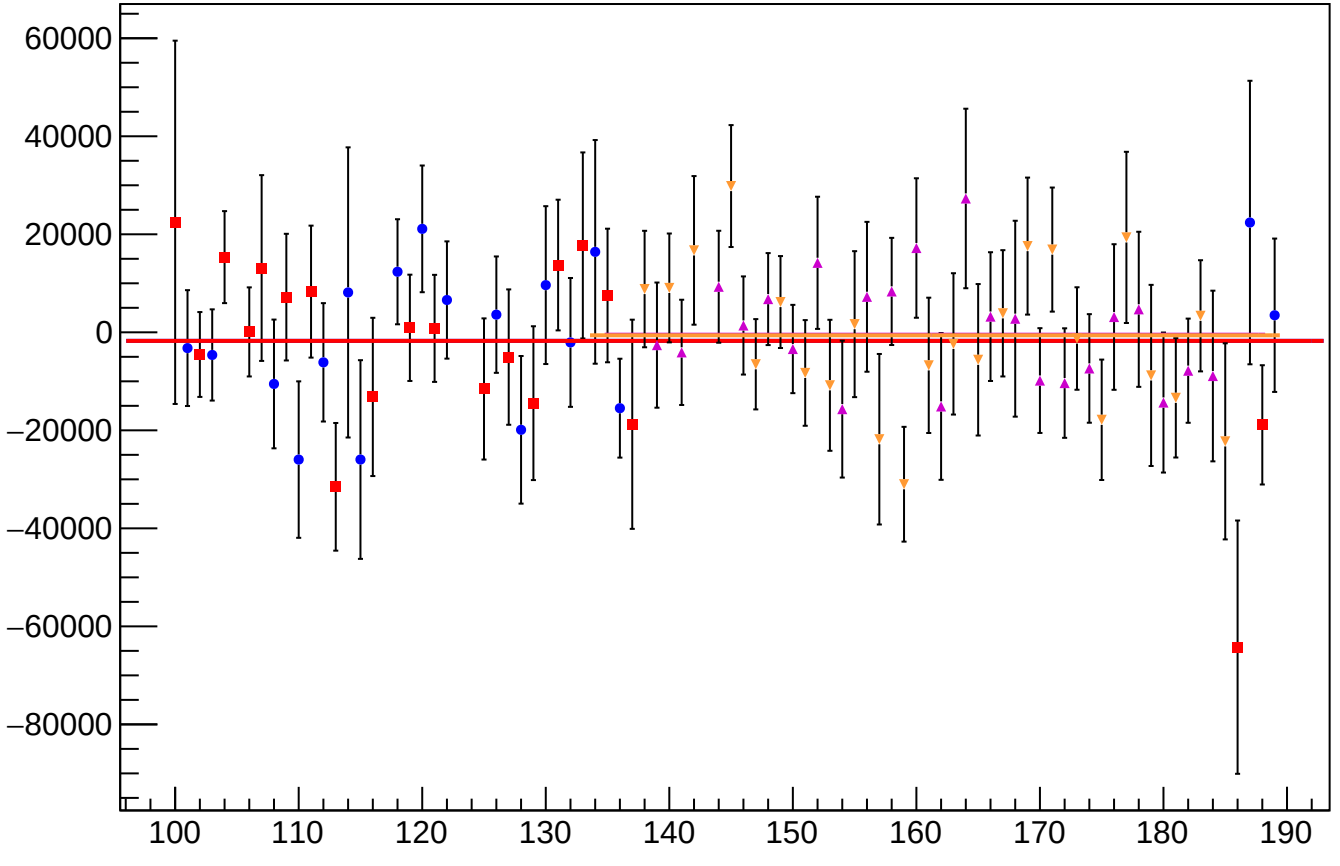
Right: 2239.063+/-0.393 χ^2/NDF: 371026.5/37

In: 2319.220+/-0.321 χ^2/NDF:315608.9/40

Out: 2329.782+/-0.318 χ^2/NDF:333907.7/43

All: 2324.551+/-0.226 χ^2/NDF: 650063.0/84

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1741.149+/-3183.021 χ^2/NDF: 15.3/17

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -1751.425+/-2926.155 χ^2/NDF: 23.9/19

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

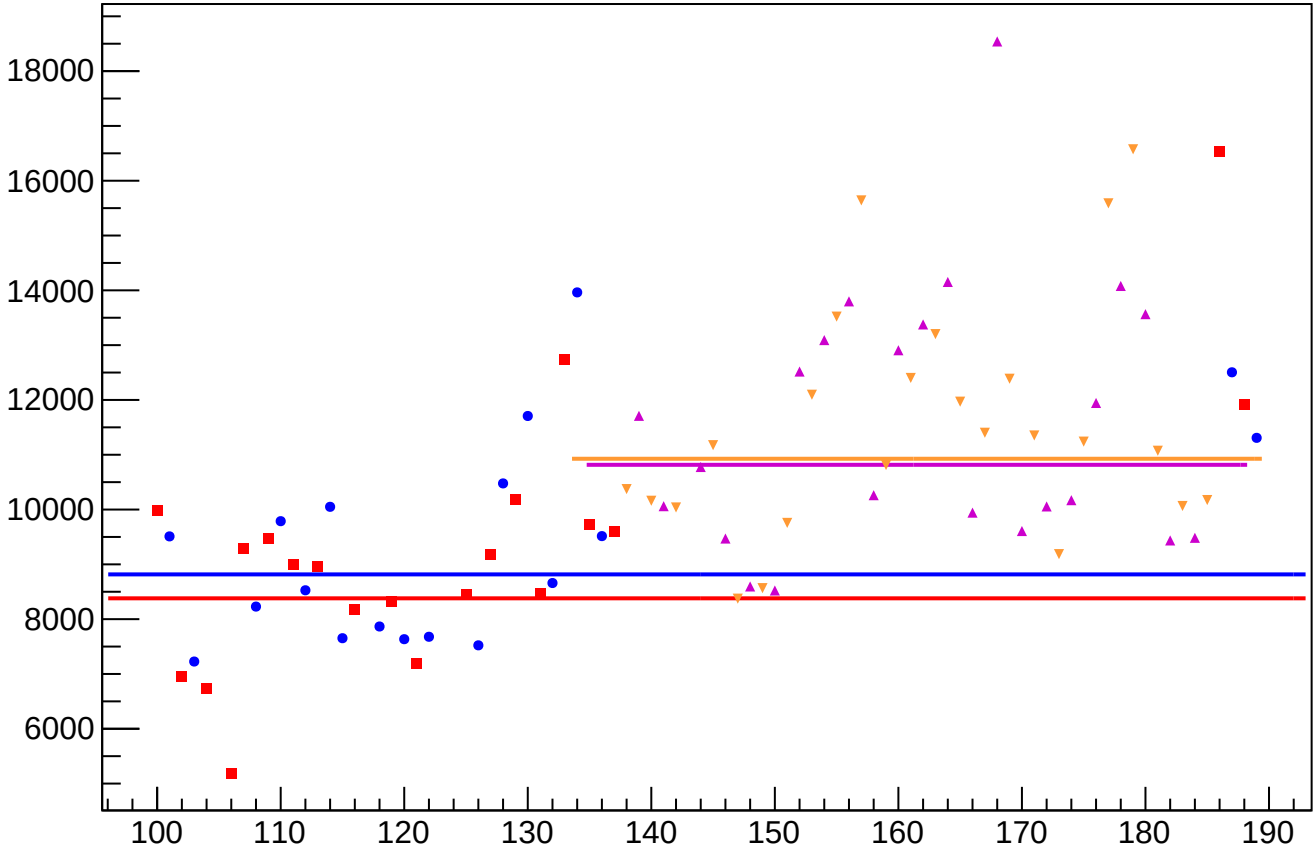
Right: -1746.718+/-2154.198 χ^2/NDF: 39.2/37

In: -985.459+/-2002.979 χ^2/NDF:29.0/40

Out: -1110.436+/-1939.383 χ^2/NDF:52.8/43

All: -1049.963+/-1393.292 χ^2/NDF: 81.8/84

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 8816.850+/-2.251 χ^2/NDF: 445751.5/17

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 8380.173+/-2.069 χ^2/NDF: 951037.7/19

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

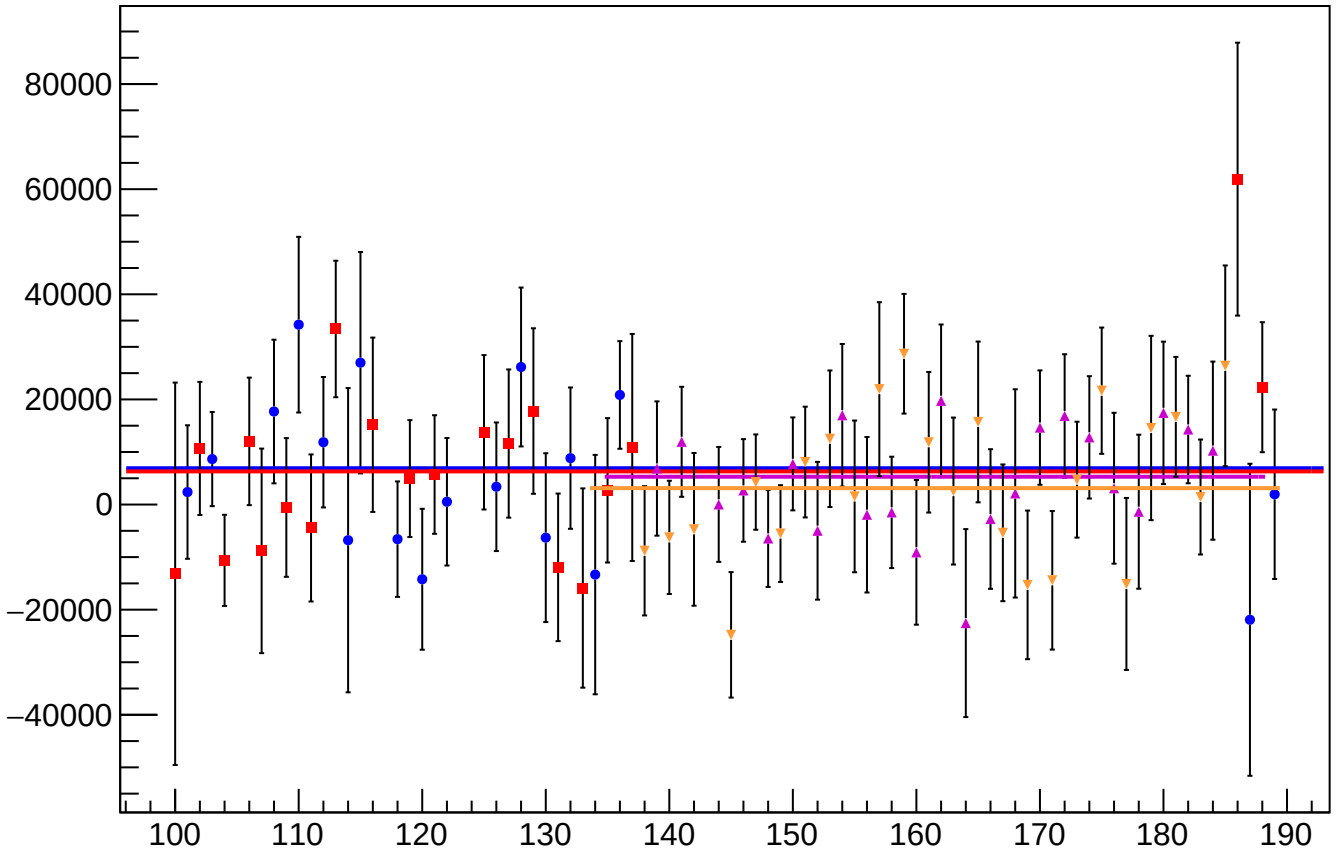
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 8580.183+/-1.523 χ^2/NDF: 1417190.0/37

In: 10024.579+/-1.416 χ^2/NDF:2119269.2/40

Out: 9808.185+/-1.371 χ^2/NDF:2857836.6/43

All: 9912.892+/-0.985 χ^2/NDF: 4989154.1/84



Right In: 6907.344+/-3242.488 χ^2/NDF: 15.1/17

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 6306.680+/-3113.948 χ^2/NDF: 20.9/19

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

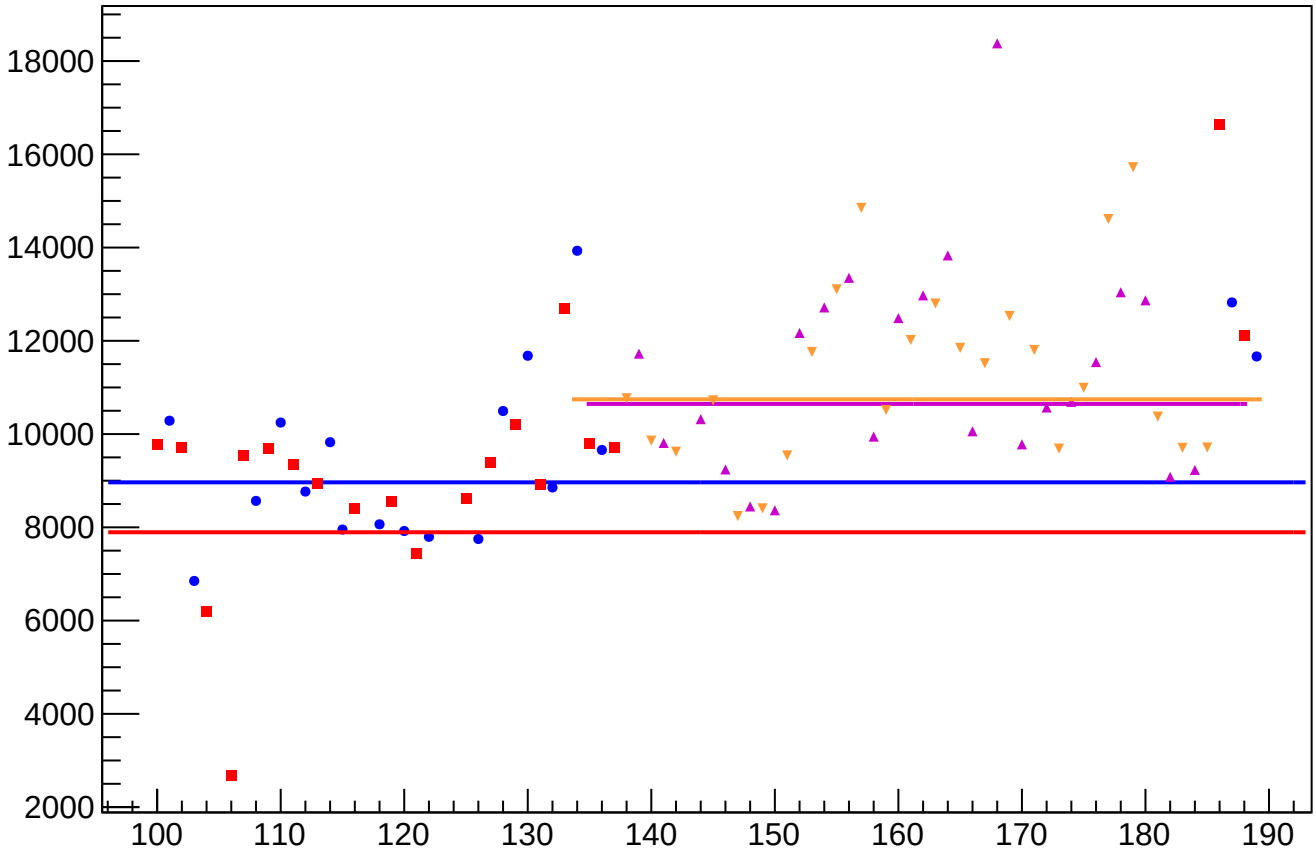
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 6594.870+/-2245.961 χ^2/NDF: 36.1/37

In: 5903.388+/-1996.121 χ^2/NDF:28.6/40

Out: 4394.366+/-1969.586 χ^2/NDF:49.0/43

All: 5138.780+/-1401.995 χ^2/NDF: 77.9/84



Right In: 8964.923+/-2.293 χ^2/NDF: 489303.4/17

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 7894.660+/-2.055 χ^2/NDF: 2145309.6/19

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

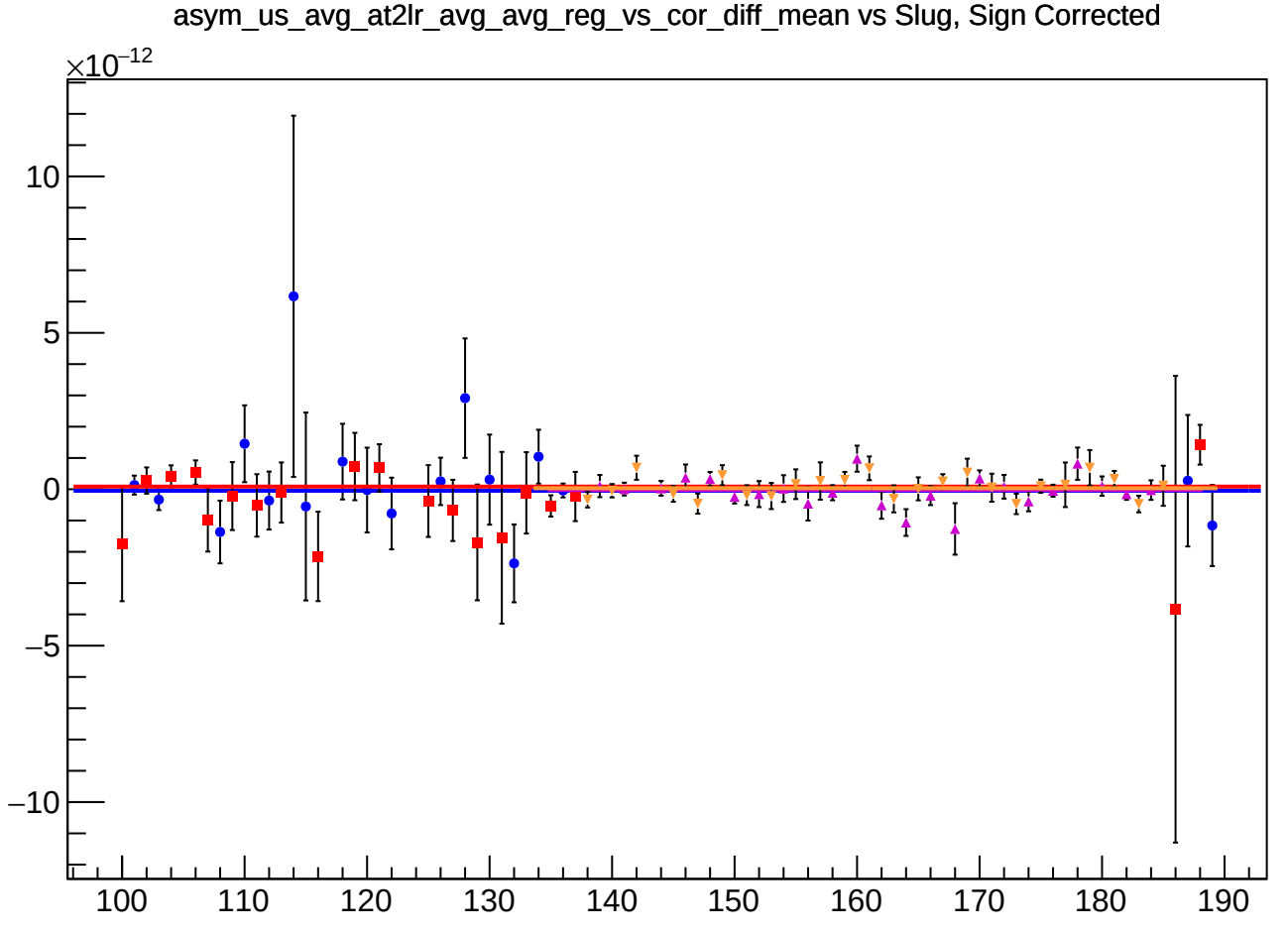
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 8371.428+/-1.530 χ^2/NDF: 2755447.6/37

In: 10009.192+/-1.411 χ^2/NDF:1937412.9/40

Out: 9509.213+/-1.353 χ^2/NDF:4199845.1/43

All: 9748.669+/-0.977 χ^2/NDF: 6202639.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 15.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

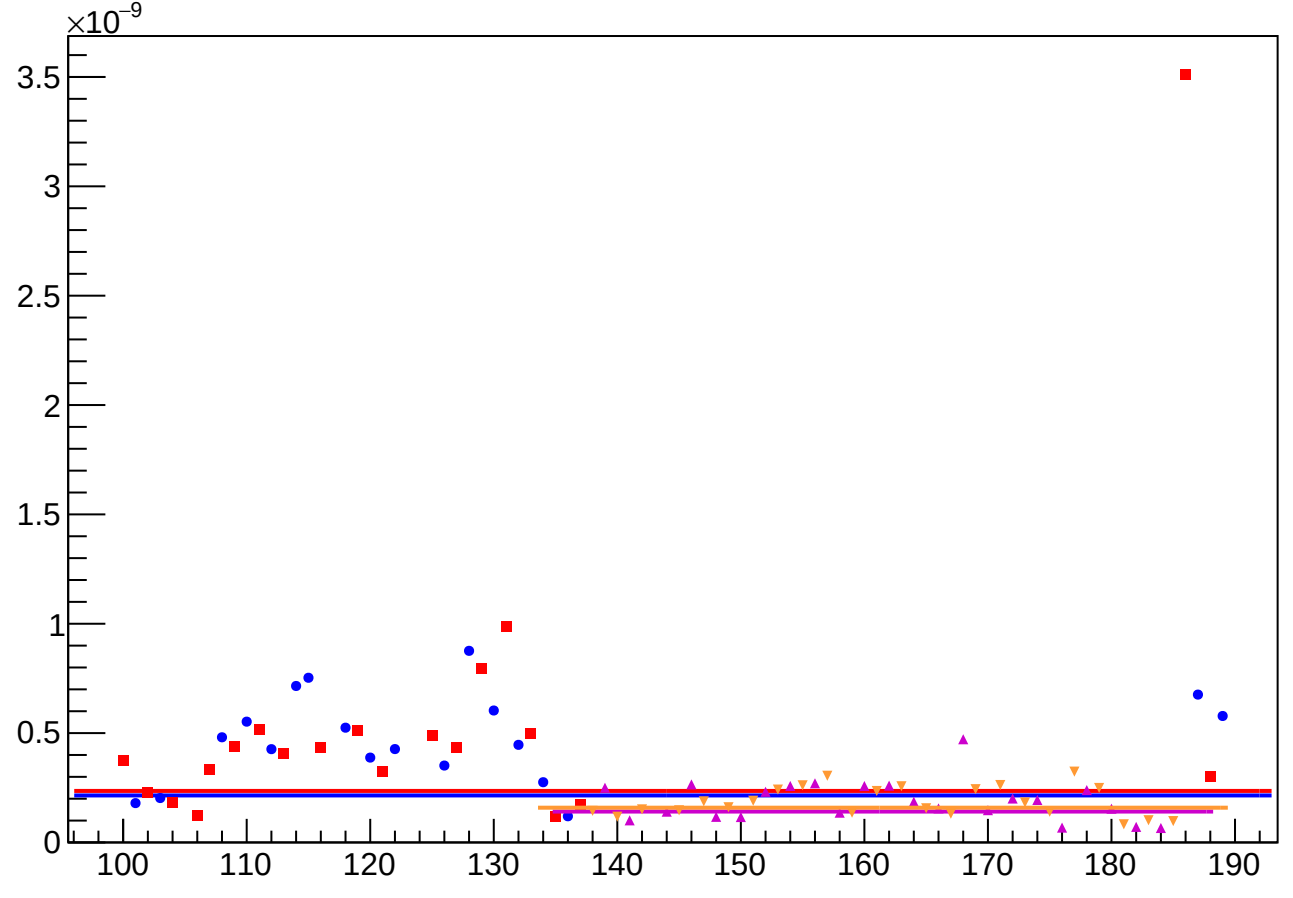
Right: 0.000+/-0.000 χ^2/NDF: 34.2/37

In: -0.000+/-0.000 χ^2/NDF:43.0/40

Out: 0.000+/-0.000 χ^2/NDF:45.0/43

All: 0.000+/-0.000 χ^2/NDF: 88.8/84

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1889810.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1969344.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

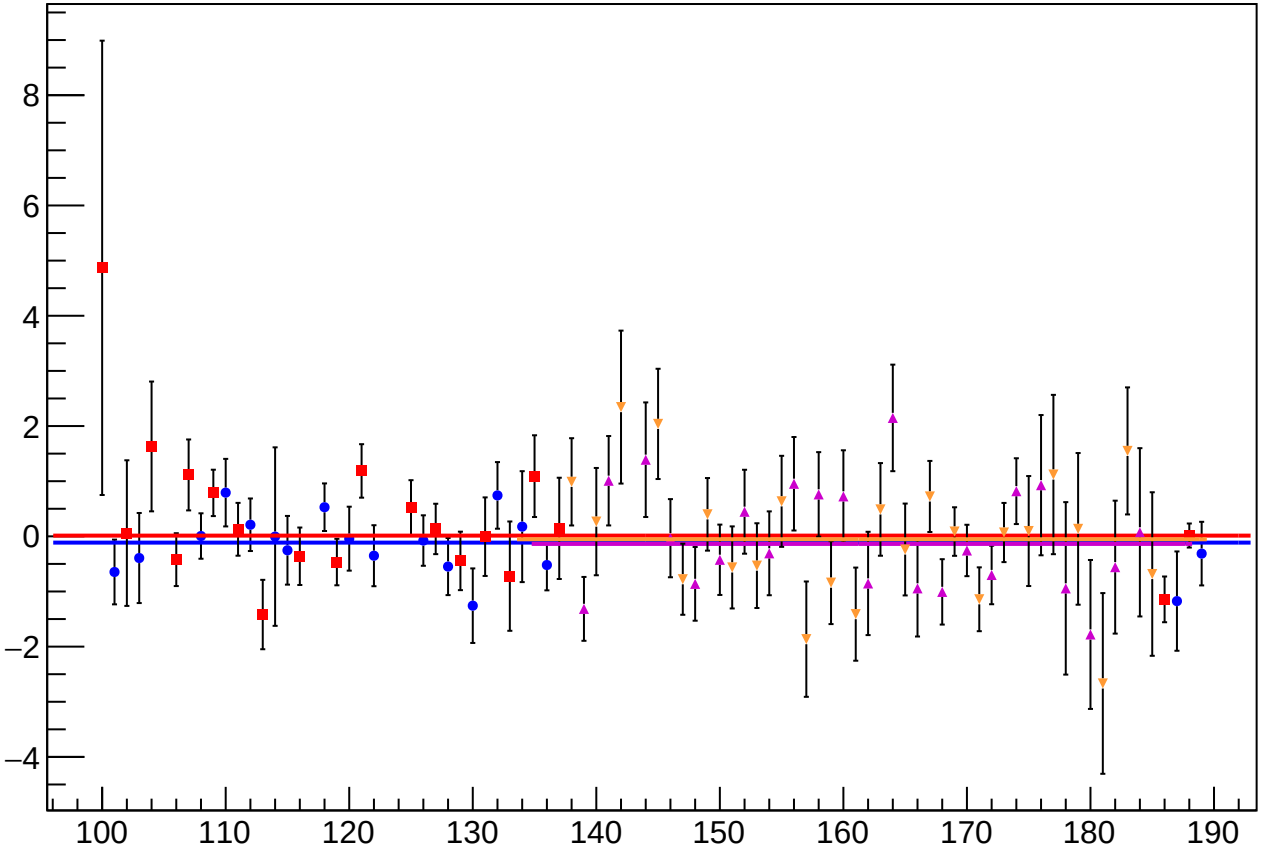
Right: 0.000+/-0.000 χ^2/NDF: 3878993.3/37

In: 0.000+/-0.000 χ^2/NDF:4749072.8/40

Out: 0.000+/-0.000 χ^2/NDF:3695759.9/43

All: 0.000+/-0.000 χ^2/NDF: 8541808.5/84

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

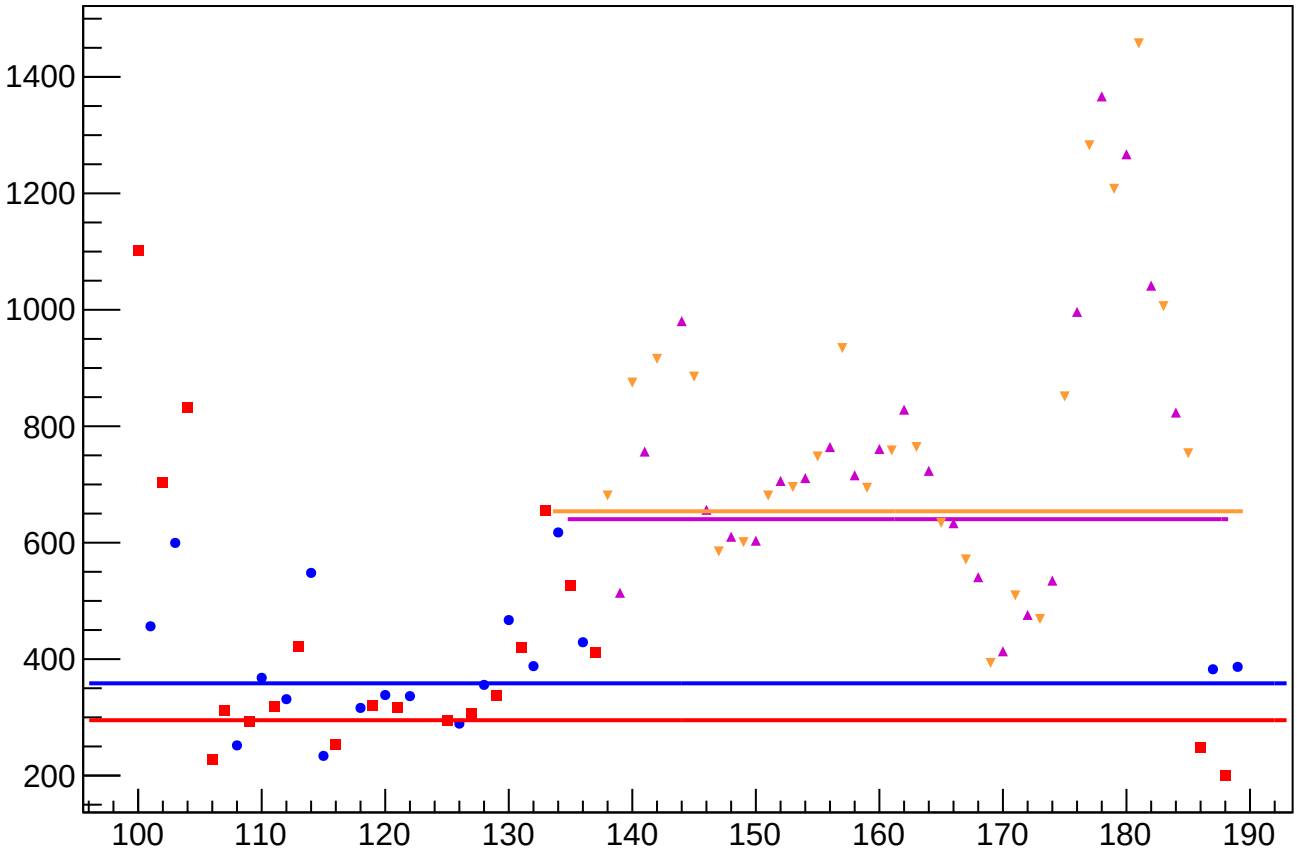
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.039+/-0.086 χ^2/NDF: 50.2/37

In: -0.124+/-0.102 χ^2/NDF:44.1/40

Out: -0.009+/-0.092 χ^2/NDF:65.9/43

All: -0.060+/-0.068 χ^2/NDF: 110.6/84



Right In: 358.438+/-0.095 χ^2/NDF: 791880.3/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 295.100+/-0.079 χ^2/NDF: 1807733.8/19

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

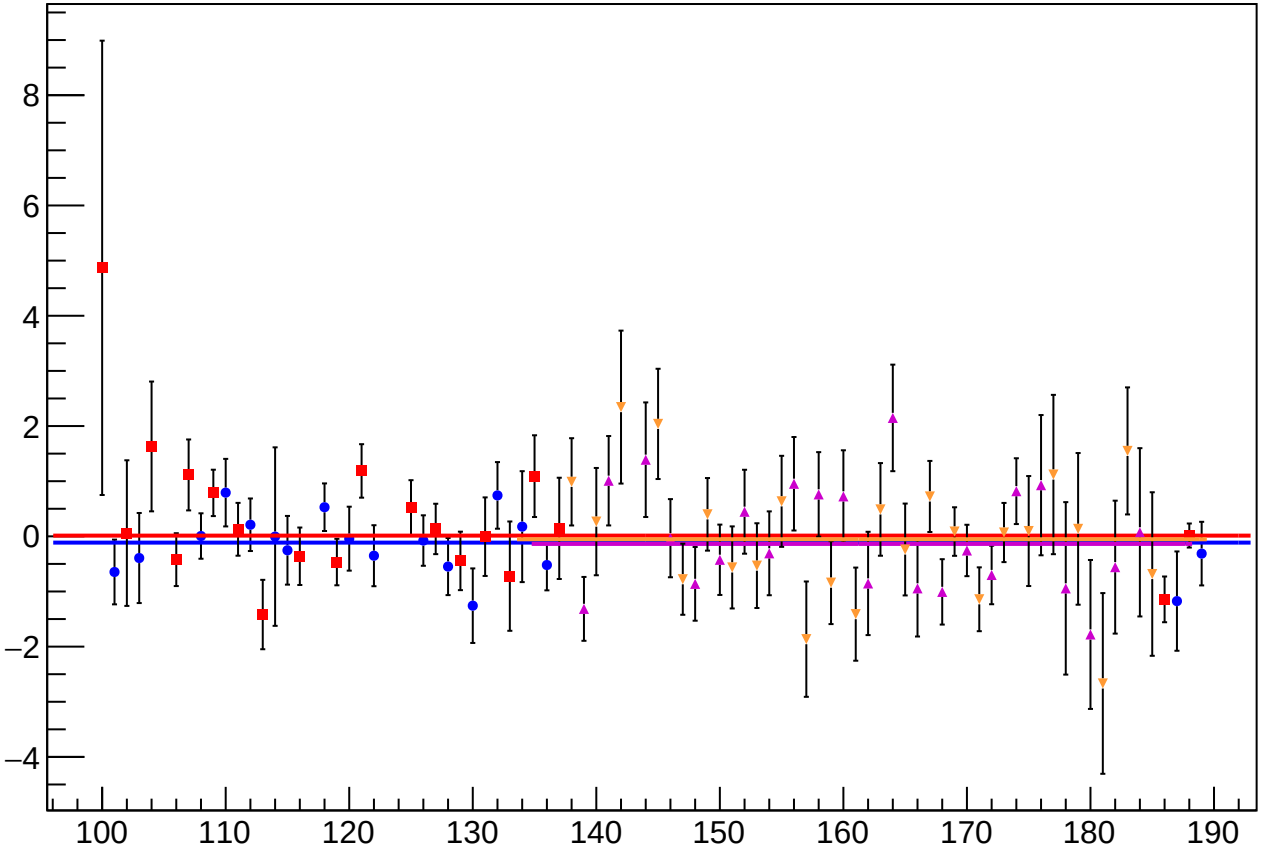
Right: 321.115+/-0.061 χ^2/NDF: 2861228.8/37

In: 476.958+/-0.072 χ^2/NDF:7137949.9/40

Out: 412.129+/-0.065 χ^2/NDF:11599711.9/43

All: 441.146+/-0.048 χ^2/NDF: 19180892.8/84

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

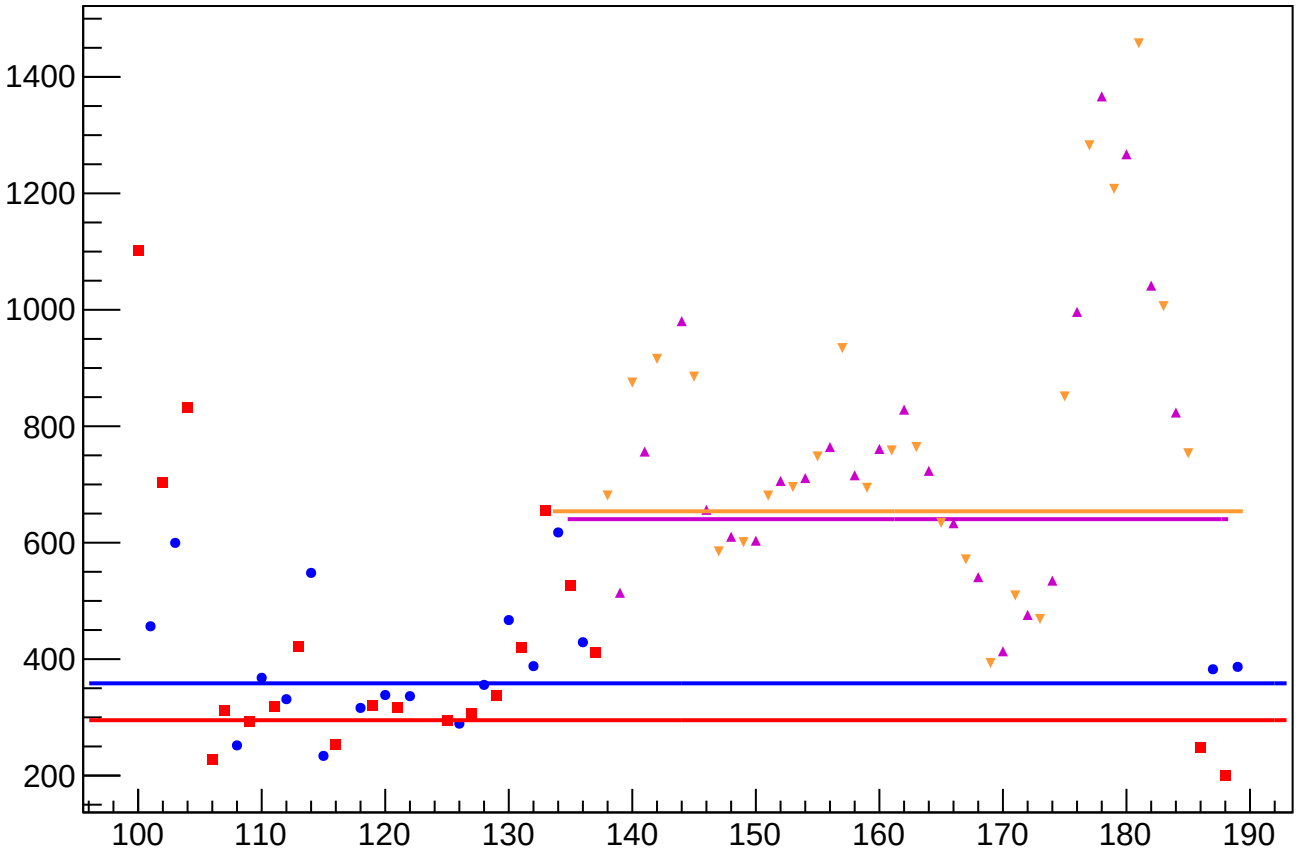
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.039+/-0.086 χ^2/NDF: 50.2/37

In: -0.124+/-0.102 χ^2/NDF:44.1/40

Out: -0.009+/-0.092 χ^2/NDF:65.9/43

All: -0.060+/-0.068 χ^2/NDF: 110.6/84



Right In: 358.438+/-0.095 χ^2/NDF: 791880.3/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 295.100+/-0.079 χ^2/NDF: 1807733.8/19

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

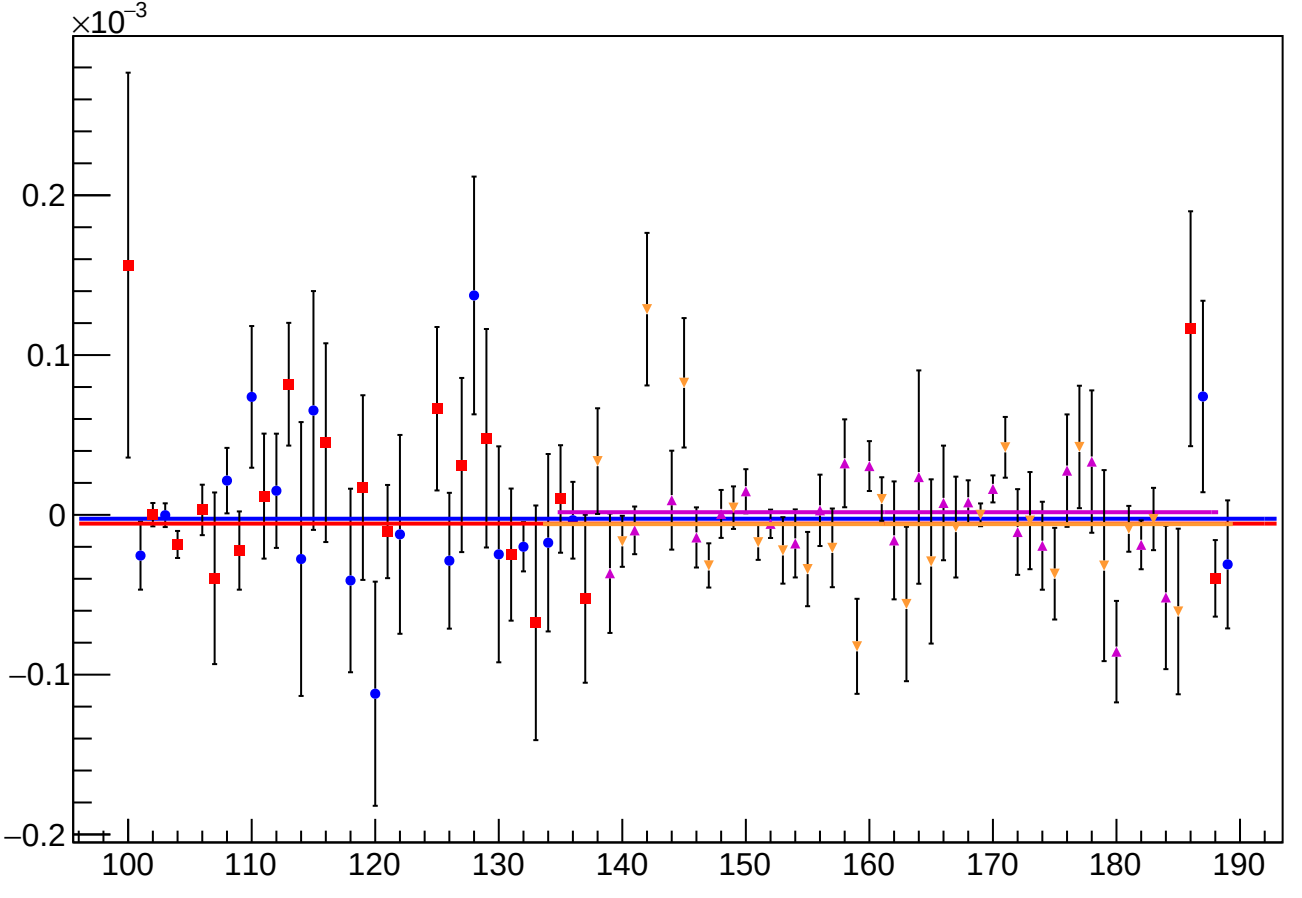
Right: 321.115+/-0.061 χ^2/NDF: 2861228.8/37

In: 476.958+/-0.072 χ^2/NDF:7137949.9/40

Out: 412.129+/-0.065 χ^2/NDF:11599711.9/43

All: 441.146+/-0.048 χ^2/NDF: 19180892.8/84

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/19

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

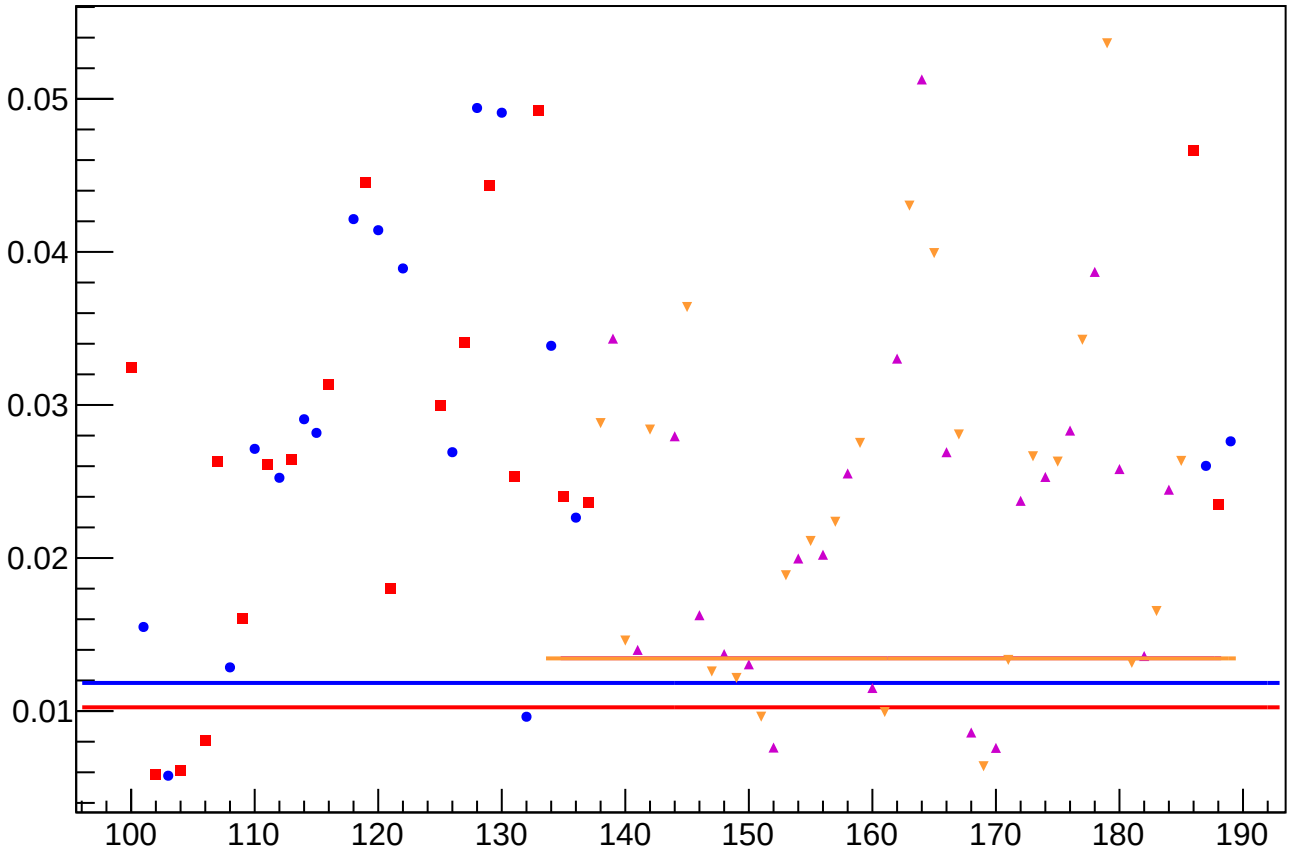
Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

Right: -0.000+/-0.000 χ^2/NDF: 39.3/37

In: 0.000+/-0.000 χ^2/NDF:43.2/40

Out: -0.000+/-0.000 χ^2/NDF:64.5/43

All: -0.000+/-0.000 χ^2/NDF: 109.7/84



Right In: 0.012+/-0.000 χ^2/NDF: 5934958.5/17

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.010+/-0.000 χ^2/NDF: 6928228.8/19

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

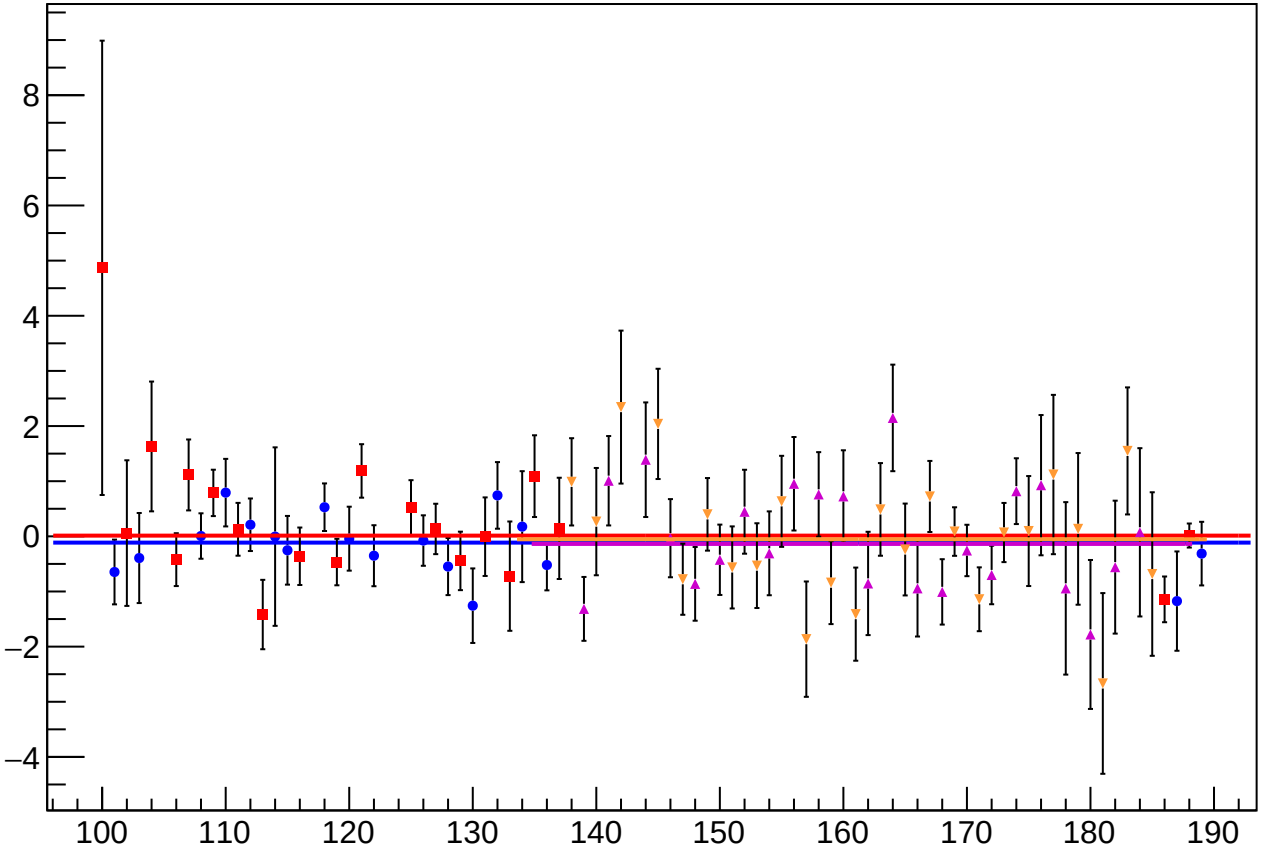
Right: 0.011+/-0.000 χ^2/NDF: 12961674.9/37

In: 0.013+/-0.000 χ^2/NDF:13601976.9/40

Out: 0.012+/-0.000 χ^2/NDF:16365477.3/43

All: 0.013+/-0.000 χ^2/NDF: 30031013.0/84

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

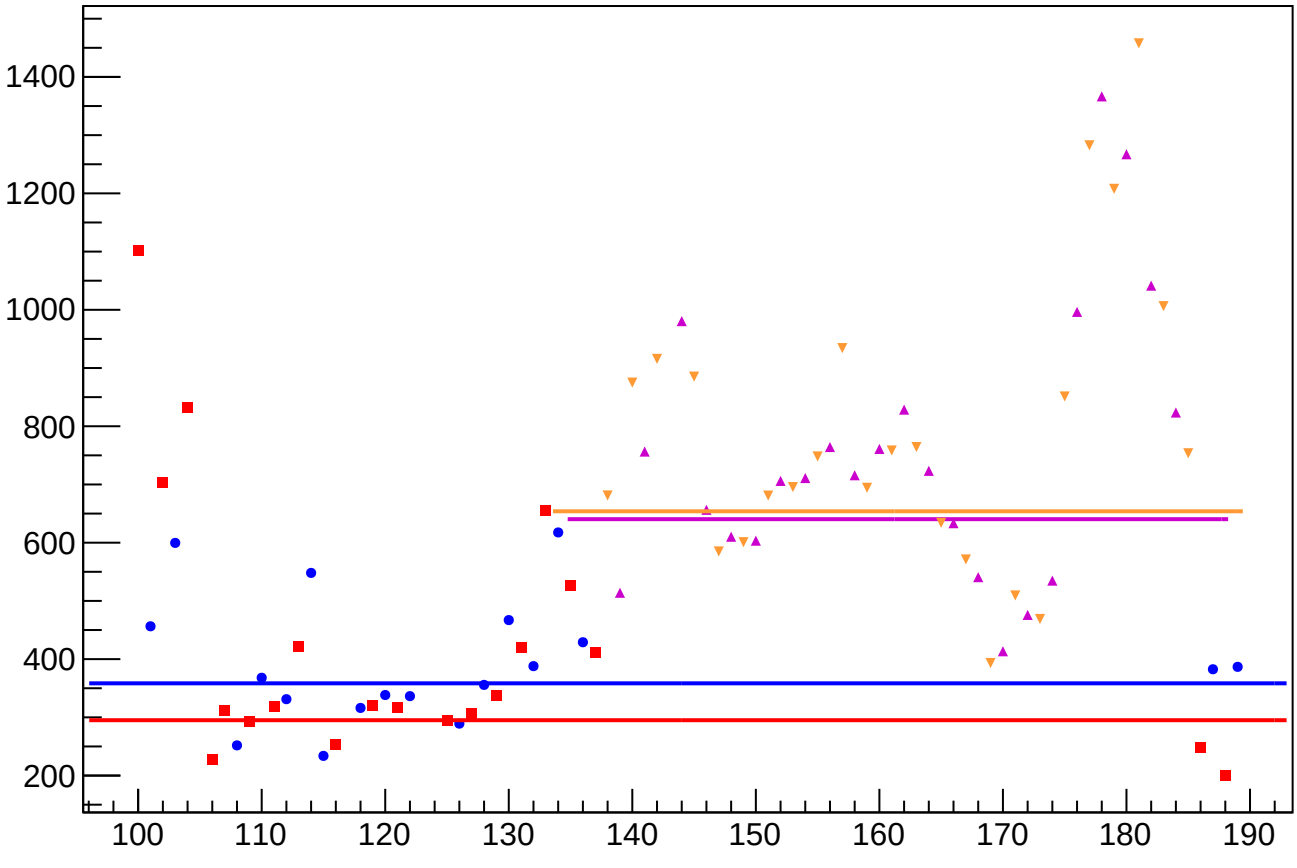
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.039+/-0.086 χ^2/NDF: 50.2/37

In: -0.124+/-0.102 χ^2/NDF:44.1/40

Out: -0.009+/-0.092 χ^2/NDF:65.9/43

All: -0.060+/-0.068 χ^2/NDF: 110.6/84



Right In: 358.438+/-0.095 χ^2/NDF: 791851.2/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 295.093+/-0.079 χ^2/NDF: 1807829.5/19

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

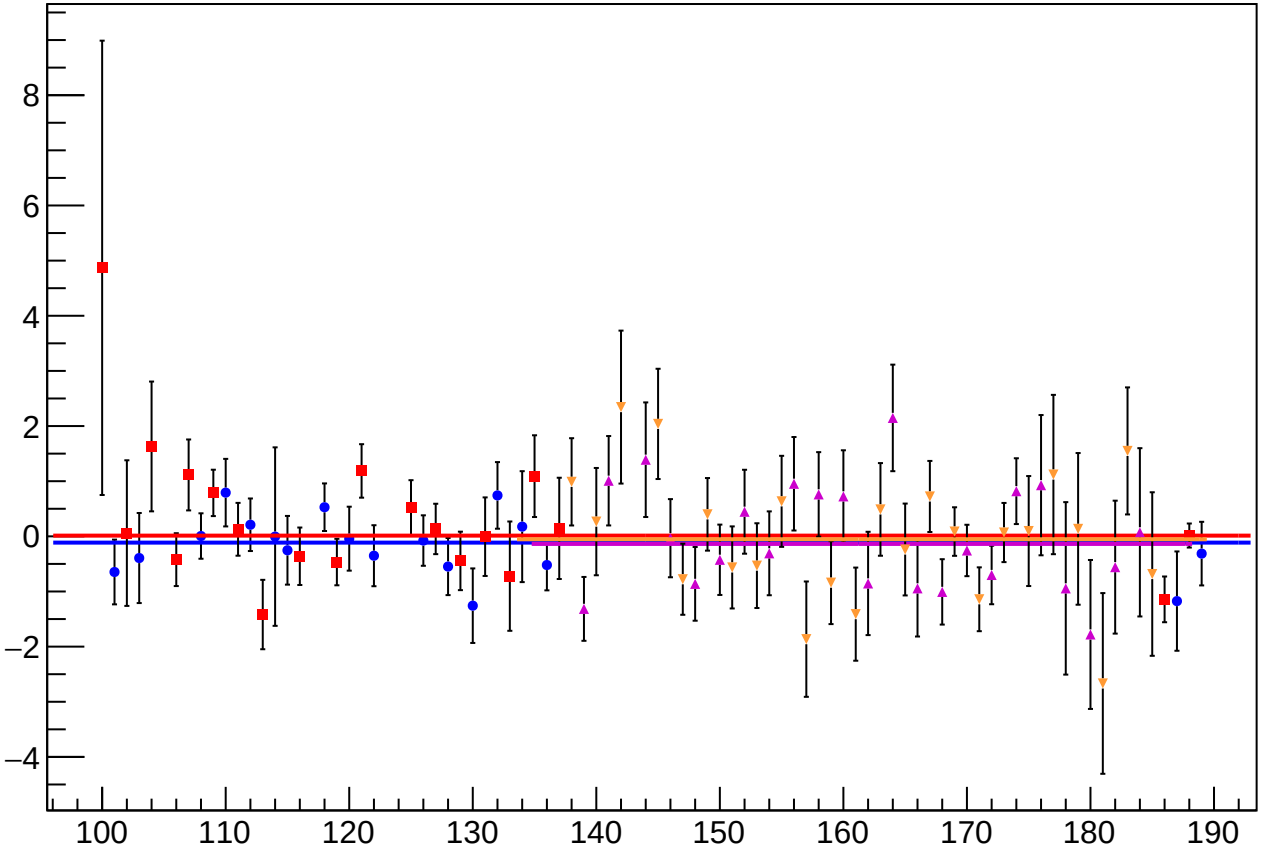
Right: 321.109+/-0.061 χ^2/NDF: 2861356.8/37

In: 476.957+/-0.072 χ^2/NDF:7138144.3/40

Out: 412.121+/-0.065 χ^2/NDF:11600372.9/43

All: 441.141+/-0.048 χ^2/NDF: 19181864.0/84

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.114+/-0.134 χ^2/NDF: 14.1/17

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

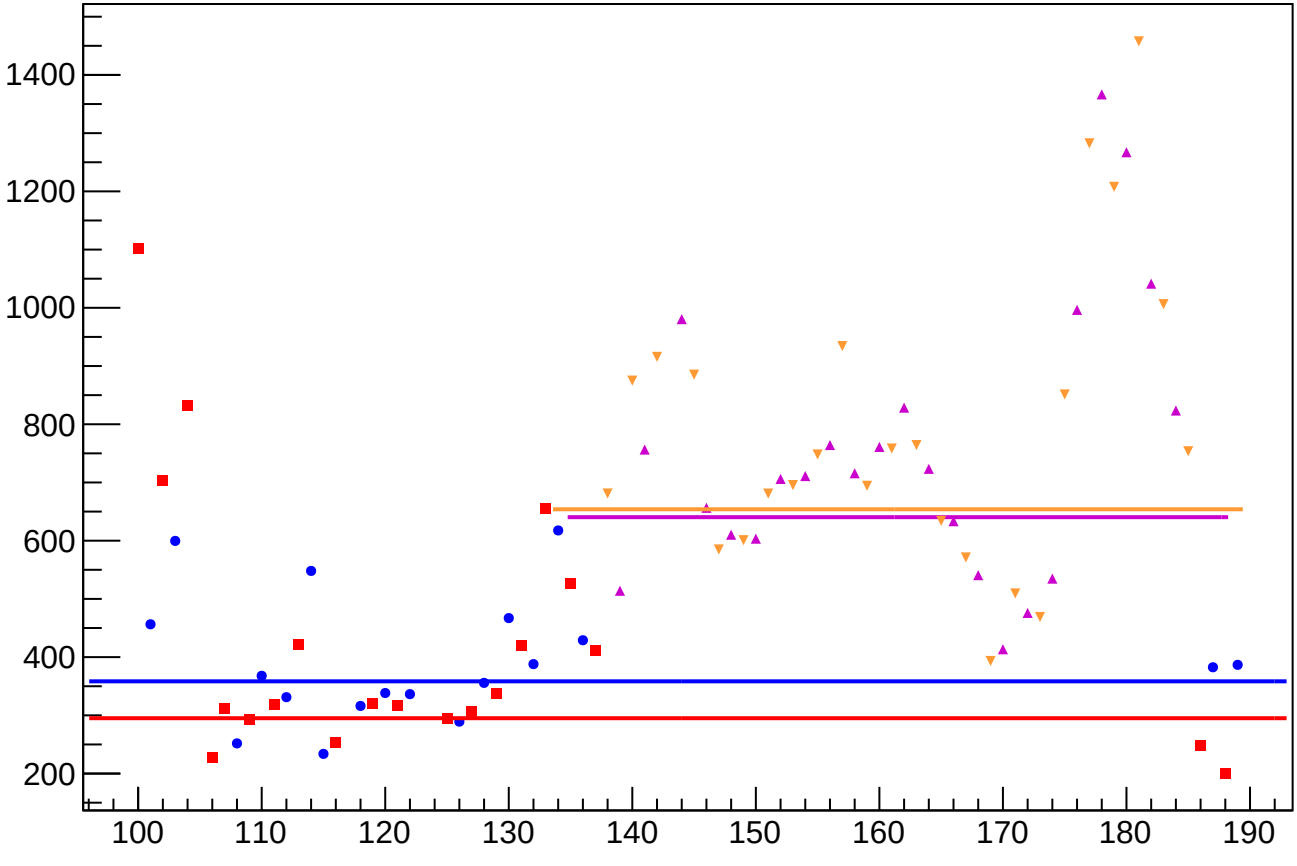
Right: -0.039+/-0.086 χ^2/NDF: 50.2/37

In: -0.124+/-0.102 χ^2/NDF:44.1/40

Out: -0.009+/-0.092 χ^2/NDF:65.9/43

All: -0.060+/-0.068 χ^2/NDF: 110.6/84

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 358.438+/-0.095 χ^2/NDF: 791851.2/17

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 295.093+/-0.079 χ^2/NDF: 1807829.5/19

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

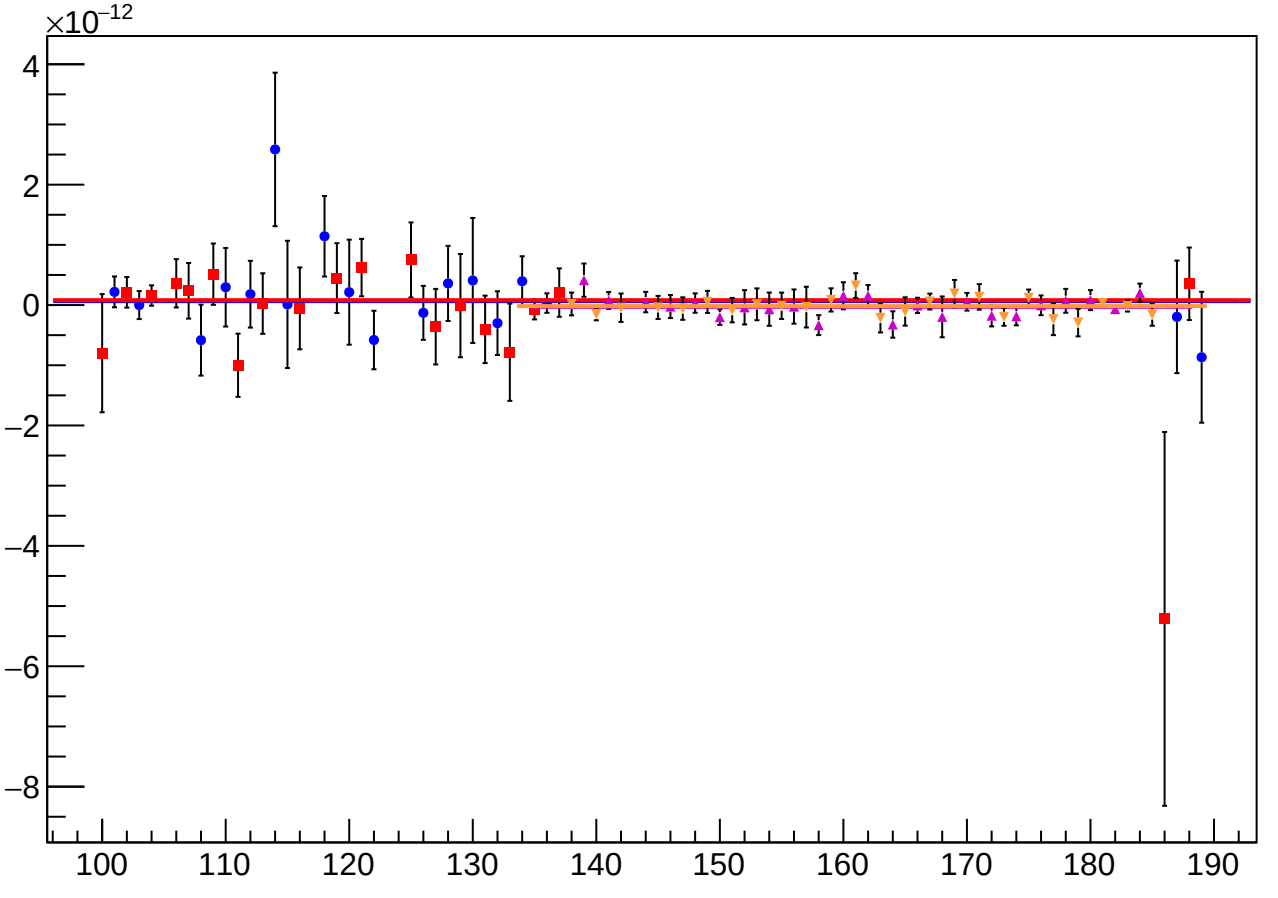
Right: 321.109+/-0.061 χ^2/NDF: 2861356.8/37

In: 476.957+/-0.072 χ^2/NDF:7138144.3/40

Out: 412.121+/-0.065 χ^2/NDF:11600372.9/43

All: 441.141+/-0.048 χ^2/NDF: 19181864.0/84

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: 12.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.2/19

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

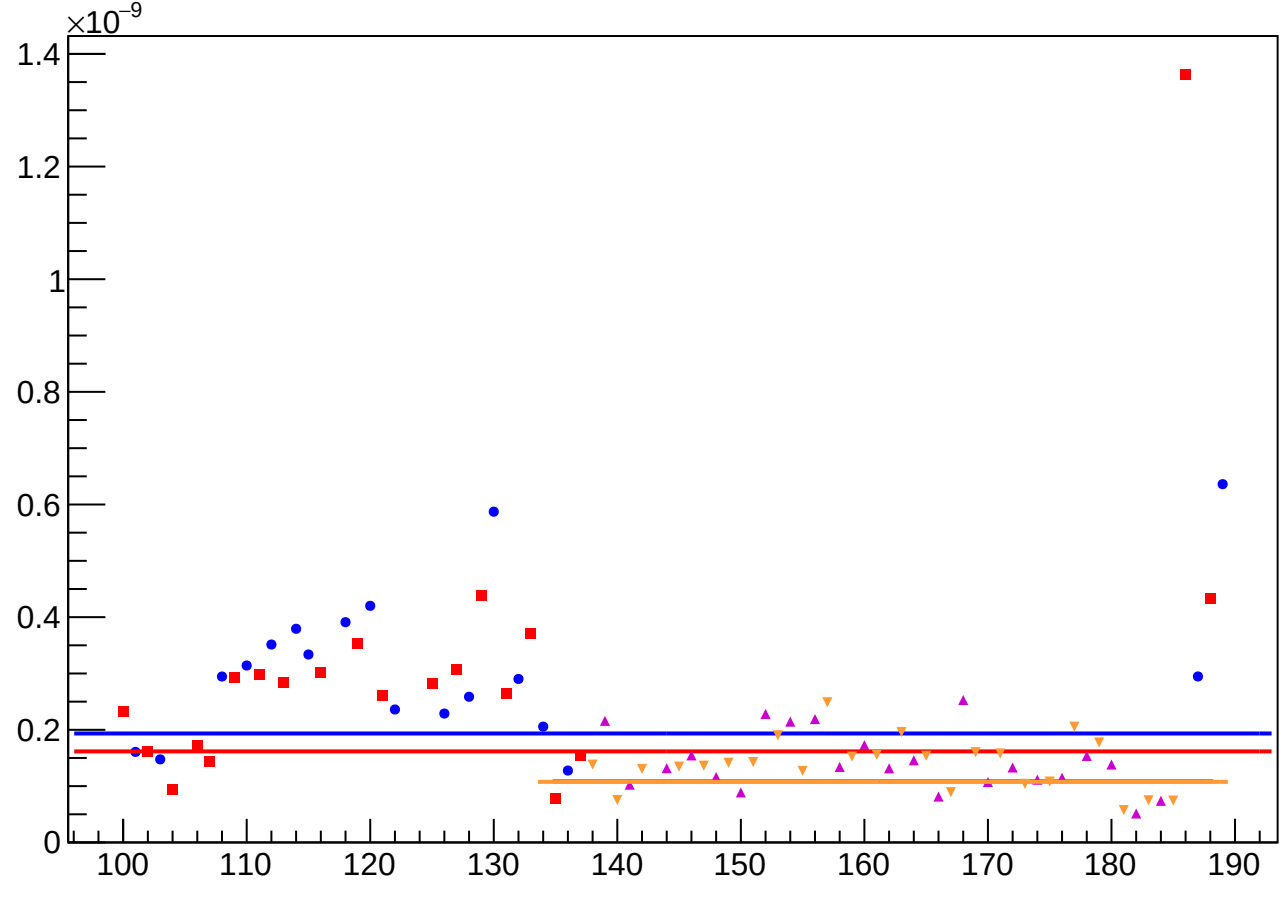
Right: 0.000+/-0.000 χ^2/NDF: 28.8/37

In: -0.000+/-0.000 χ^2/NDF:31.3/40

Out: -0.000+/-0.000 χ^2/NDF:30.4/43

All: -0.000+/-0.000 χ^2/NDF: 61.9/84

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: 1879961.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2917442.0/19

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

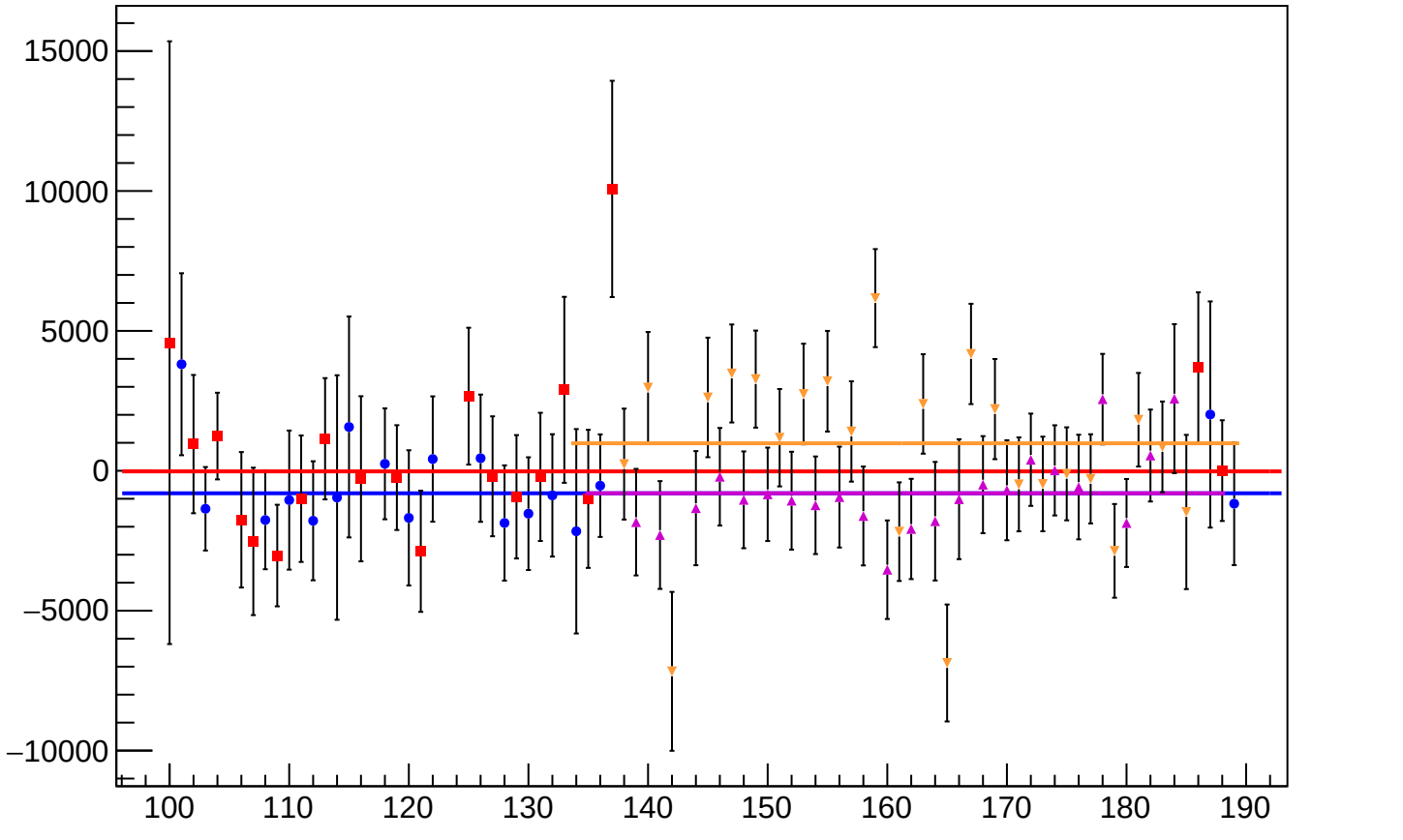
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

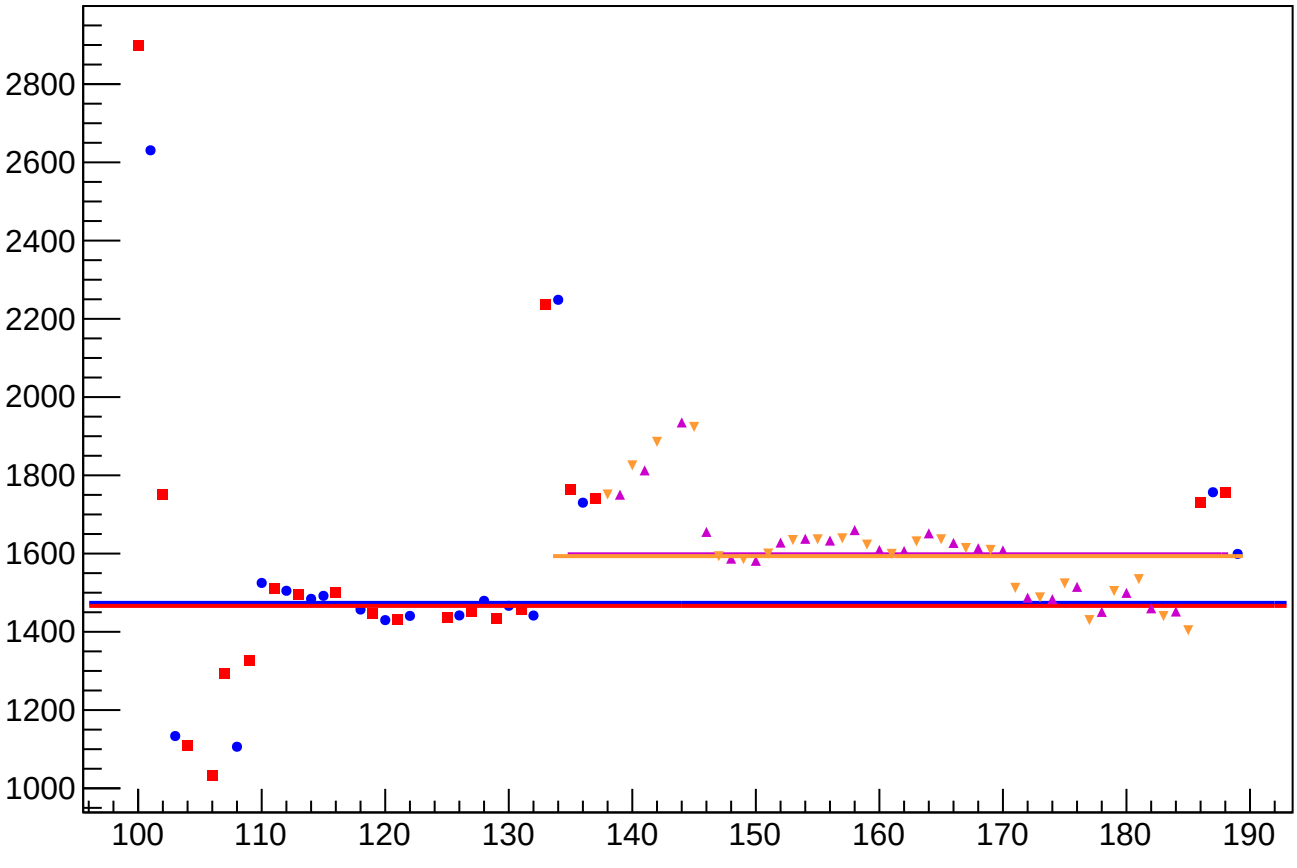
Right: 0.000+/-0.000 χ^2/NDF: 4921803.4/37

In: 0.000+/-0.000 χ^2/NDF:7164001.0/40

Out: 0.000+/-0.000 χ^2/NDF:7077781.1/43

All: 0.000+/-0.000 χ^2/NDF: 14250048.7/84


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -804.143+/-533.238 χ²/NDF: 5.1/17
Left Out: 981.627+/-370.843 χ²/NDF:55.5/23
Right Out: -21.785+/-514.415 χ²/NDF: 18.4/19
Left In: -803.908+/-374.066 χ²/NDF:12.4/22
Left: 96.584+/-263.358 χ²/NDF: 79.5/46
Right: -398.912+/-370.222 χ²/NDF: 24.7/37
In: -803.986+/-306.231 χ²/NDF:17.6/40
Out: 638.484+/-300.823 χ²/NDF:76.5/43
All: -69.902+/-214.600 χ²/NDF: 105.3/84



Right In: 1473.966+/-0.377 χ^2/NDF: 593168.9/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1466.240+/-0.361 χ^2/NDF: 492041.3/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

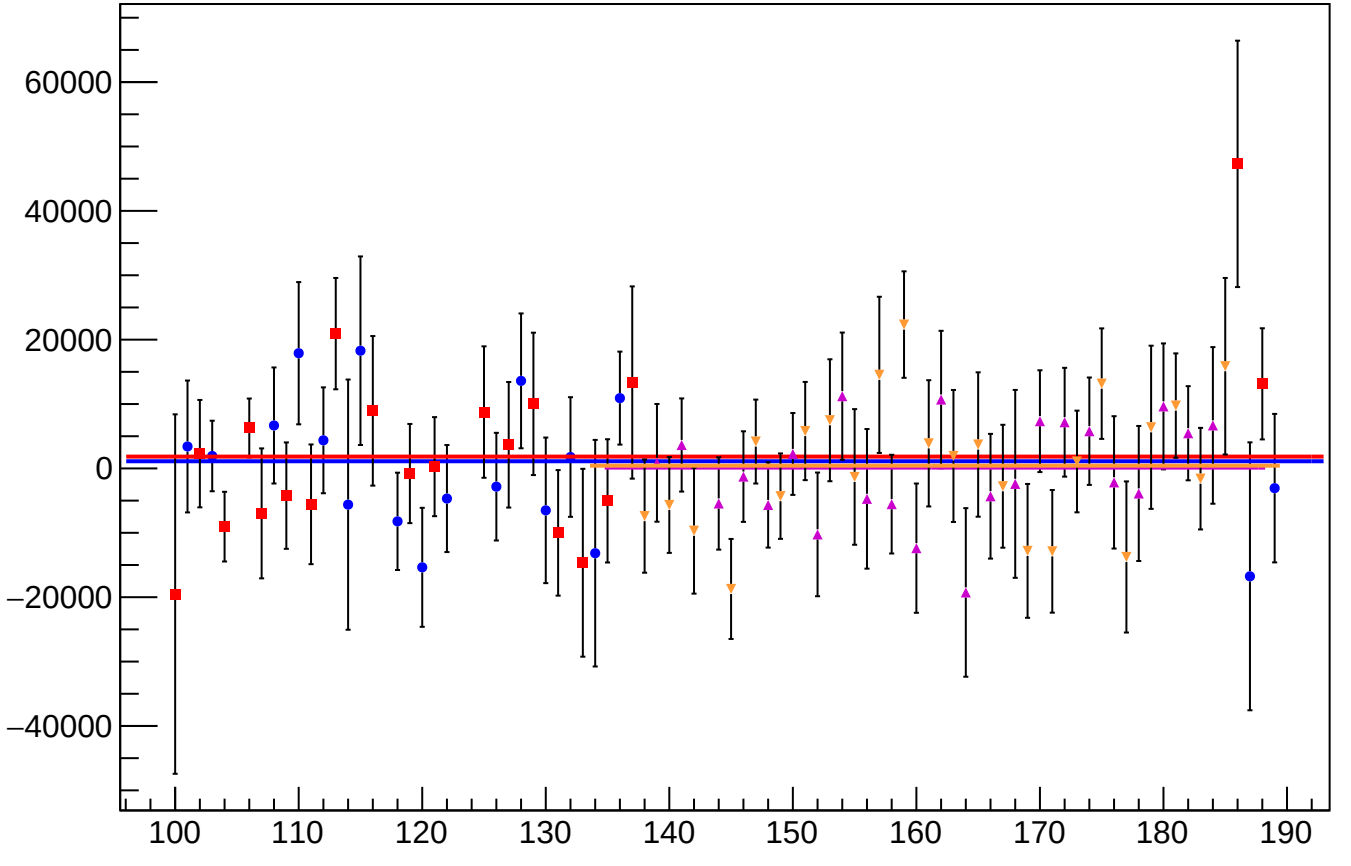
Right: 1469.939+/-0.261 χ^2/NDF: 1085428.9/37

In: 1557.172+/-0.217 χ^2/NDF:834988.4/40

Out: 1549.593+/-0.212 χ^2/NDF:760869.7/43

All: 1553.307+/-0.152 χ^2/NDF: 1596482.9/84

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1113.460+/-2212.764 χ^2/NDF: 15.1/17

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 1836.401+/-1948.873 χ^2/NDF: 25.2/19

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

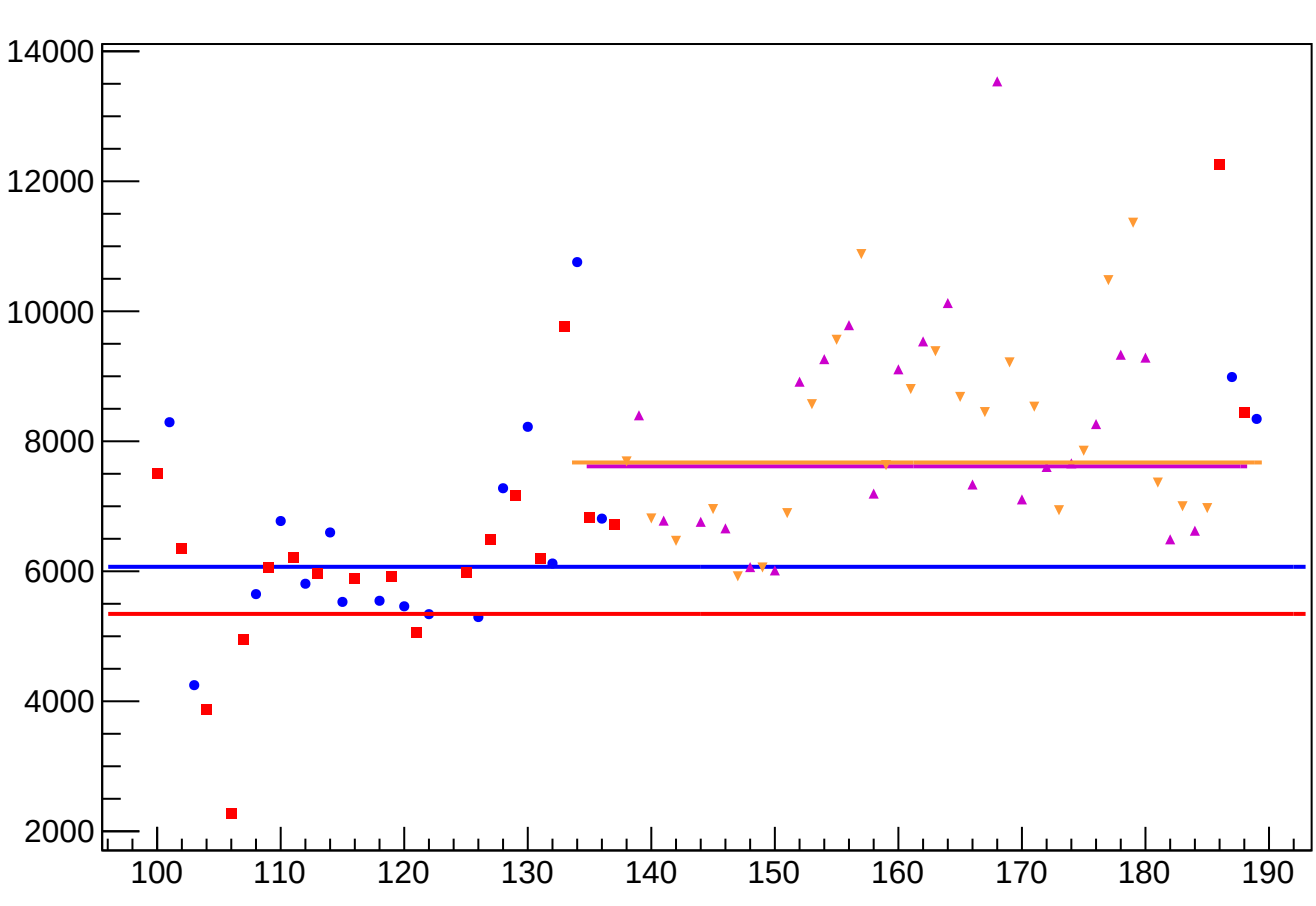
Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

Right: 1520.589+/-1462.507 χ^2/NDF: 40.3/37

In: 523.331+/-1403.237 χ^2/NDF:29.1/40

Out: 1083.358+/-1330.115 χ^2/NDF:54.8/43

All: 818.315+/-965.349 χ^2/NDF: 84.0/84



Right In: 6068.814+/-1.565 χ^2/NDF: 764261.1/17

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5344.288+/-1.378 χ^2/NDF: 2029265.8/19

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

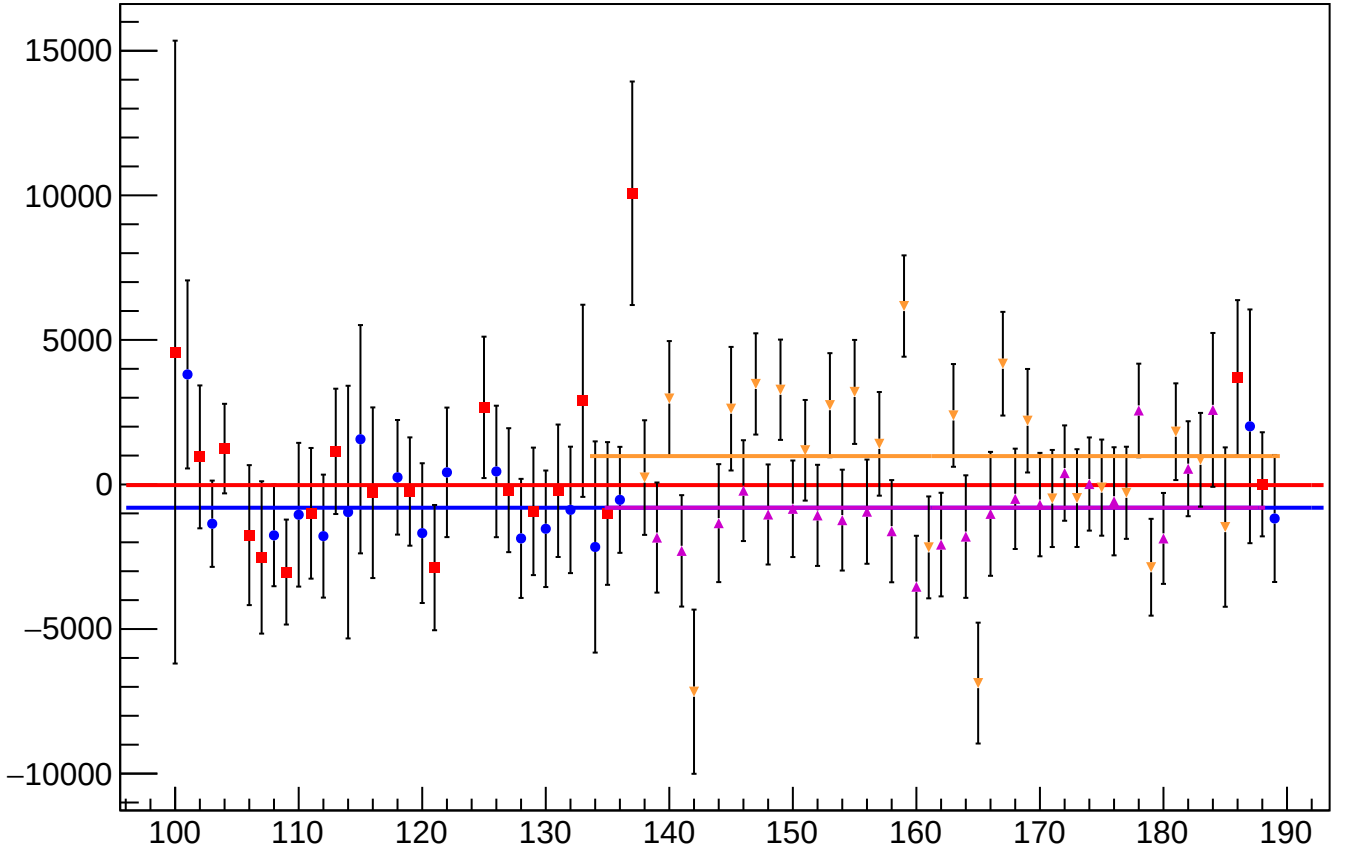
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 5660.792+/-1.034 χ^2/NDF: 2914279.6/37

In: 6993.180+/-0.992 χ^2/NDF:2572574.0/40

Out: 6588.822+/-0.941 χ^2/NDF:4632784.8/43

All: 6780.192+/-0.683 χ^2/NDF: 7292835.0/84



Right In: -804.238+/-533.238 χ^2/NDF: 5.1/17

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -21.645+/-514.415 χ^2/NDF: 18.4/19

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

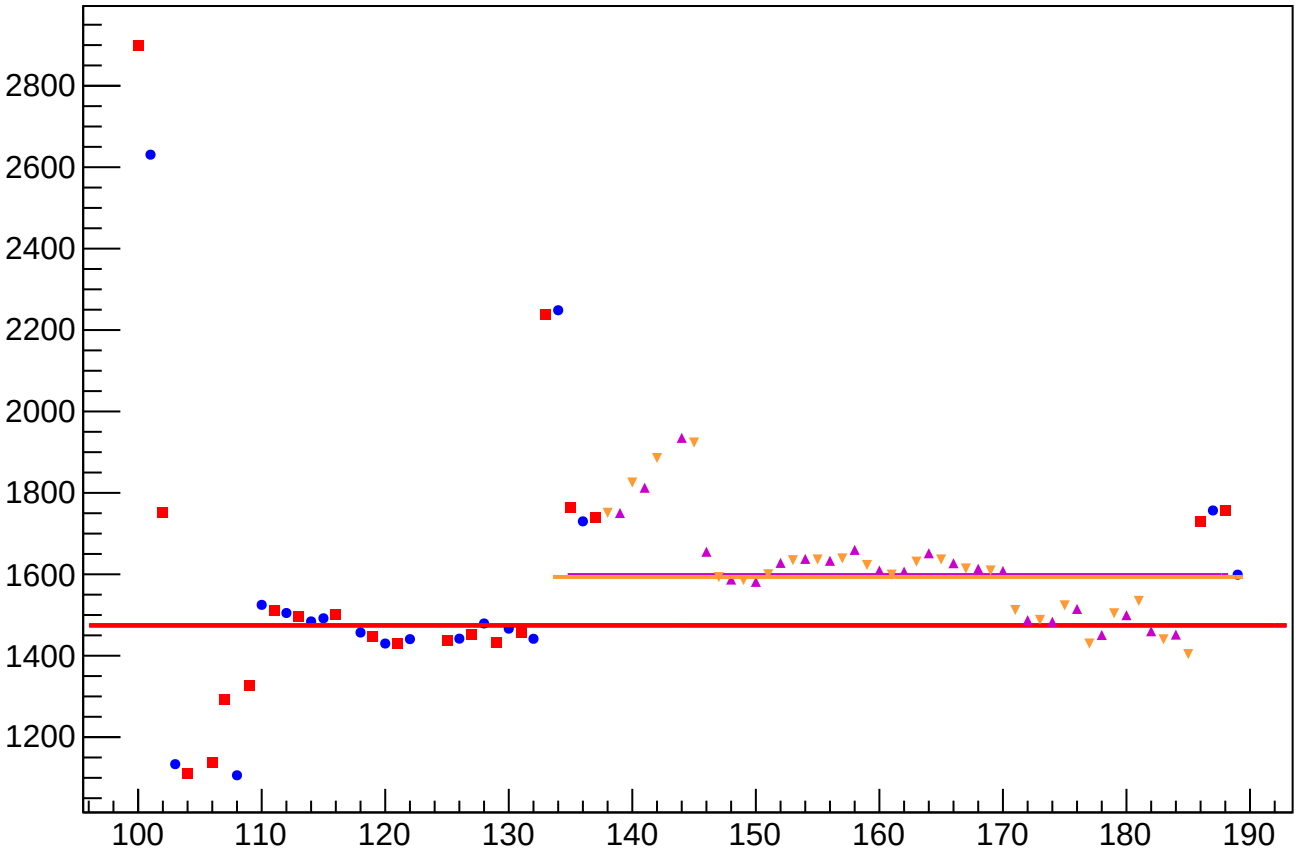
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -398.886+/-370.222 χ^2/NDF: 24.7/37

In: -803.933+/-306.231 χ^2/NDF:17.6/40

Out: 638.588+/-300.823 χ^2/NDF:76.5/43

All: -69.824+/-214.600 χ^2/NDF: 105.3/84



Right In: 1473.965+/-0.377 χ^2/NDF: 593169.1/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1475.245+/-0.363 χ^2/NDF: 449169.7/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

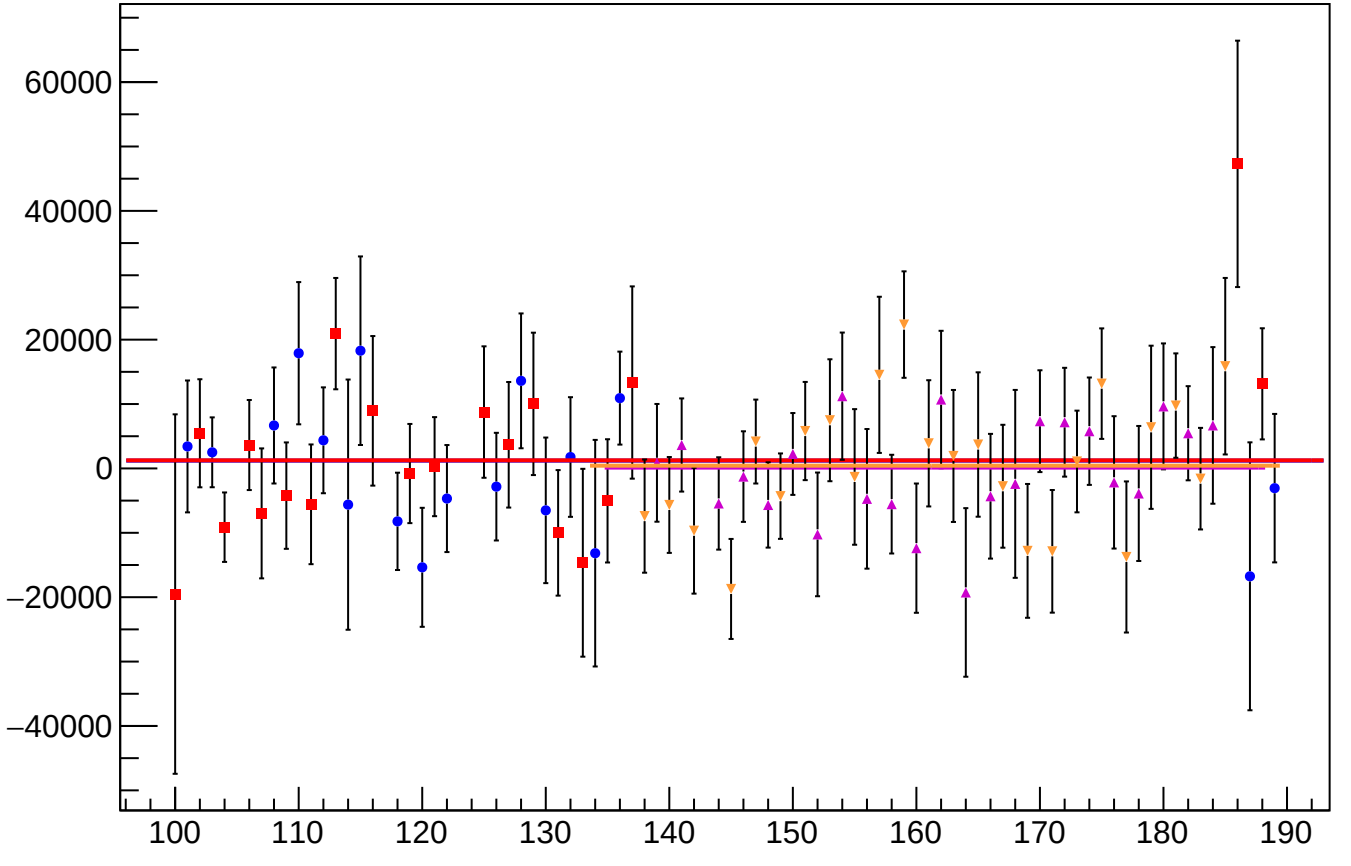
Right: 1474.630+/-0.262 χ^2/NDF: 1042344.8/37

In: 1557.172+/-0.217 χ^2/NDF:834988.8/40

Out: 1552.940+/-0.213 χ^2/NDF:706494.4/43

All: 1555.017+/-0.152 χ^2/NDF: 1541677.7/84

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1210.994+/-2209.264 χ^2/NDF: 15.1/17

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1257.072+/-2058.723 χ^2/NDF: 24.5/19

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

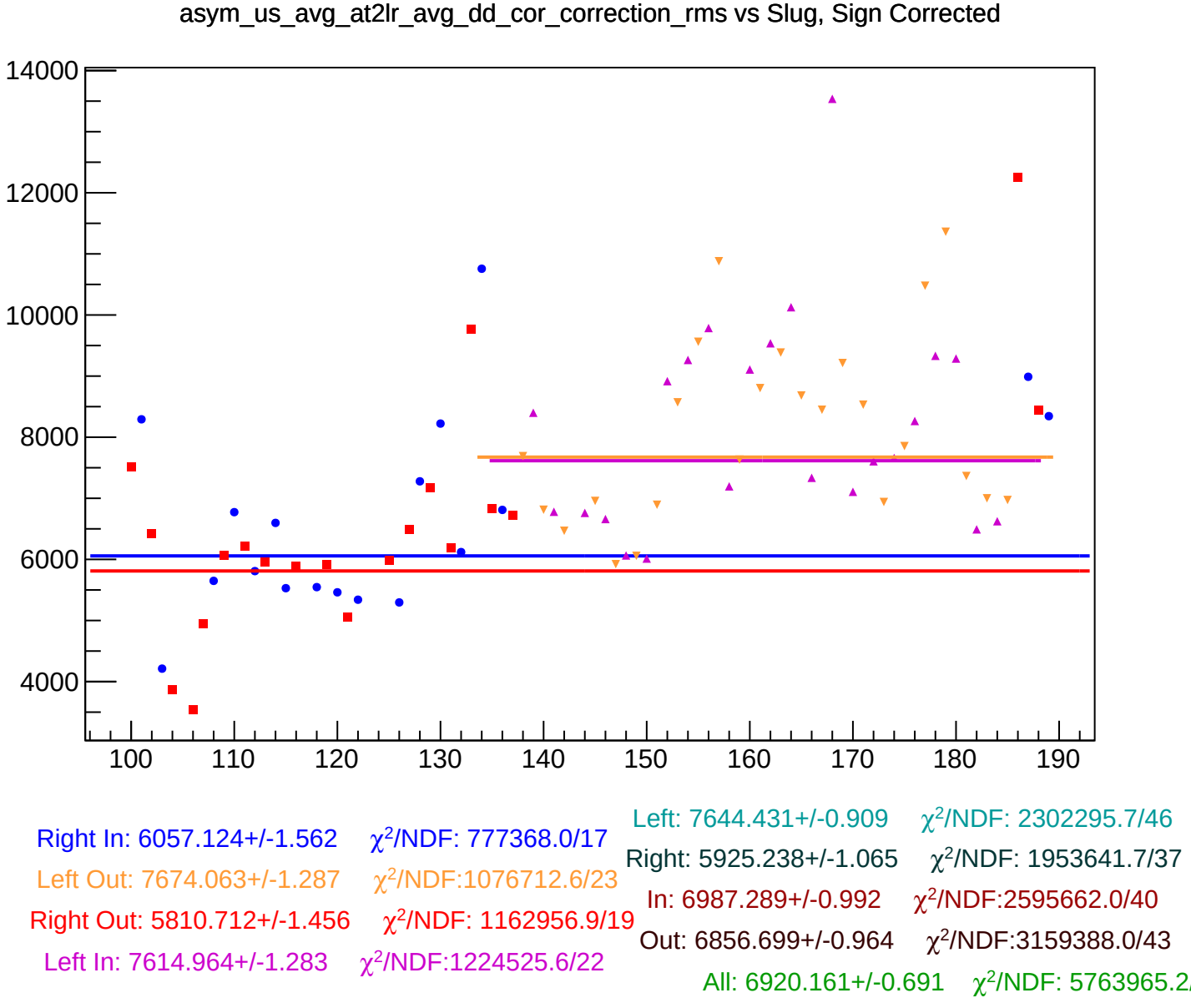
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

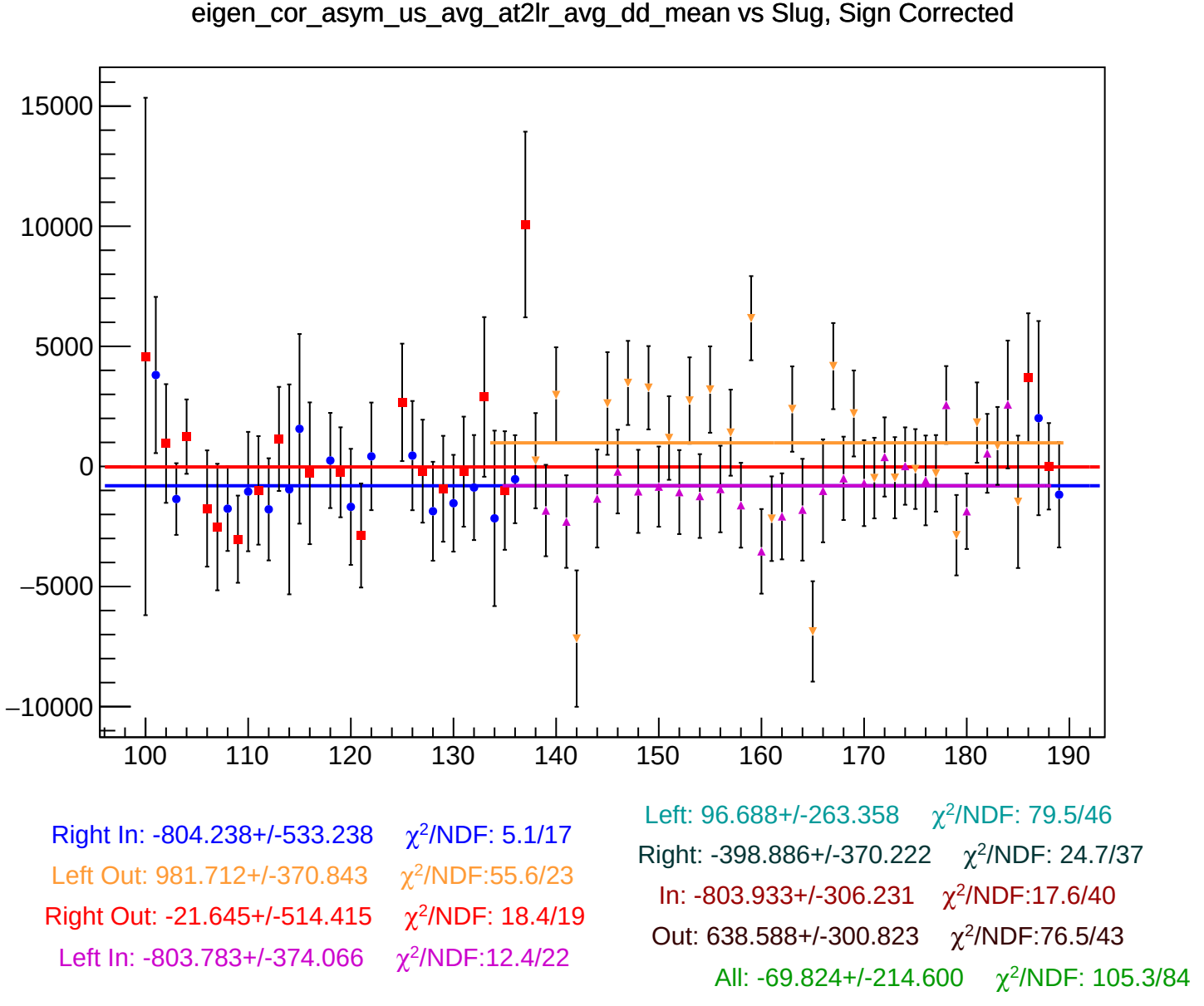
Right: 1235.656+/-1506.148 χ^2/NDF: 39.6/37

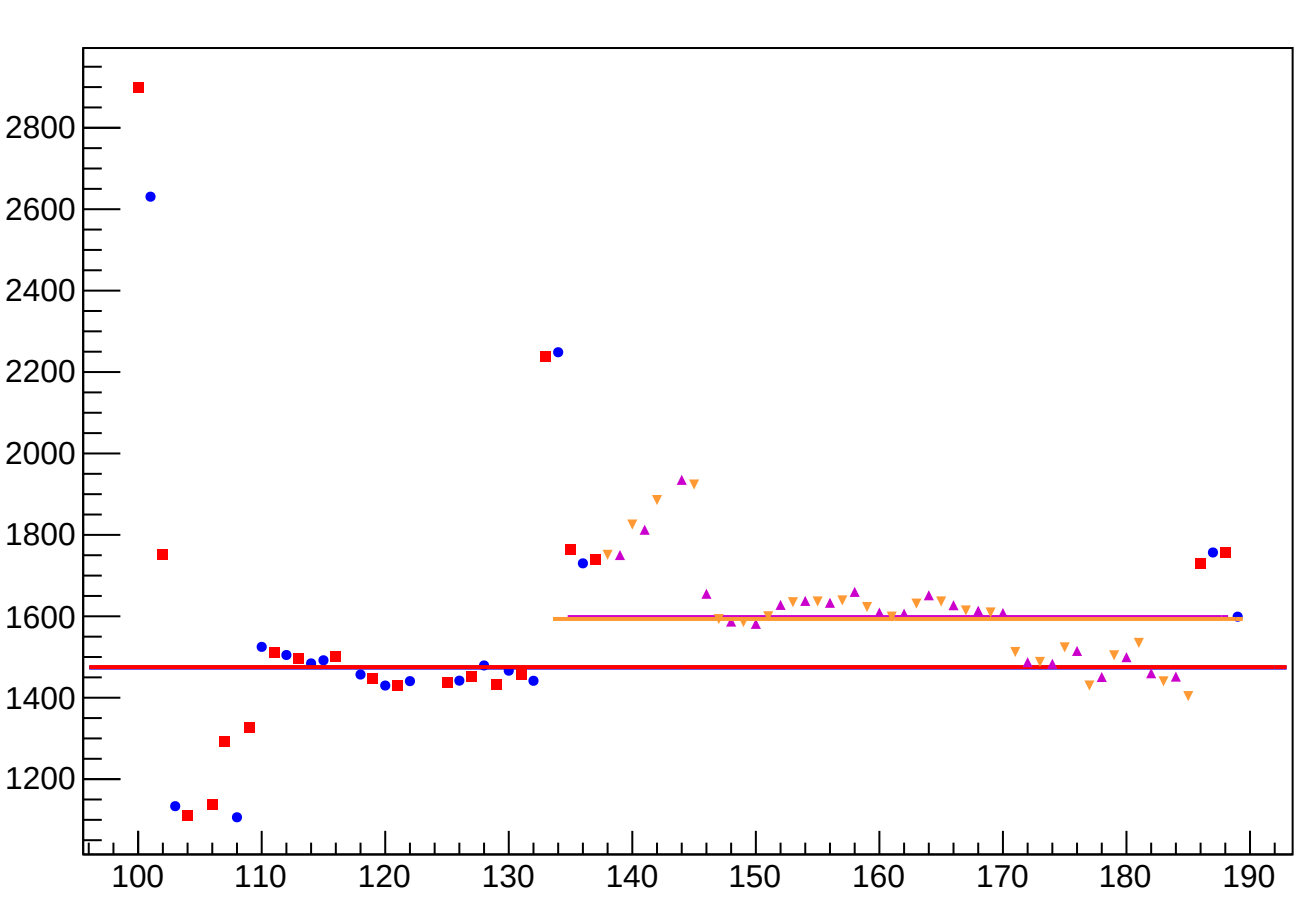
In: 563.384+/-1402.342 χ^2/NDF:29.1/40

Out: 790.946+/-1363.510 χ^2/NDF:54.0/43

All: 680.359+/-977.587 χ^2/NDF: 83.1/84


asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 6057.124+/-1.562 χ²/NDF: 777368.0/17
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 5810.712+/-1.456 χ²/NDF: 1162956.9/19
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7644.431+/-0.909 χ²/NDF: 2302295.7/46
Right: 5925.238+/-1.065 χ²/NDF: 1953641.7/37
In: 6987.289+/-0.992 χ²/NDF:2595662.0/40
Out: 6856.699+/-0.964 χ²/NDF:3159388.0/43
All: 6920.161+/-0.691 χ²/NDF: 5763965.2/84


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -804.238+/-533.238 χ²/NDF: 5.1/17
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: -21.645+/-514.415 χ²/NDF: 18.4/19
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -398.886+/-370.222 χ²/NDF: 24.7/37
In: -803.933+/-306.231 χ²/NDF:17.6/40
Out: 638.588+/-300.823 χ²/NDF:76.5/43
All: -69.824+/-214.600 χ²/NDF: 105.3/84



Right In: 1473.965+/-0.377 χ^2/NDF: 593169.1/17

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1475.245+/-0.363 χ^2/NDF: 449169.7/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

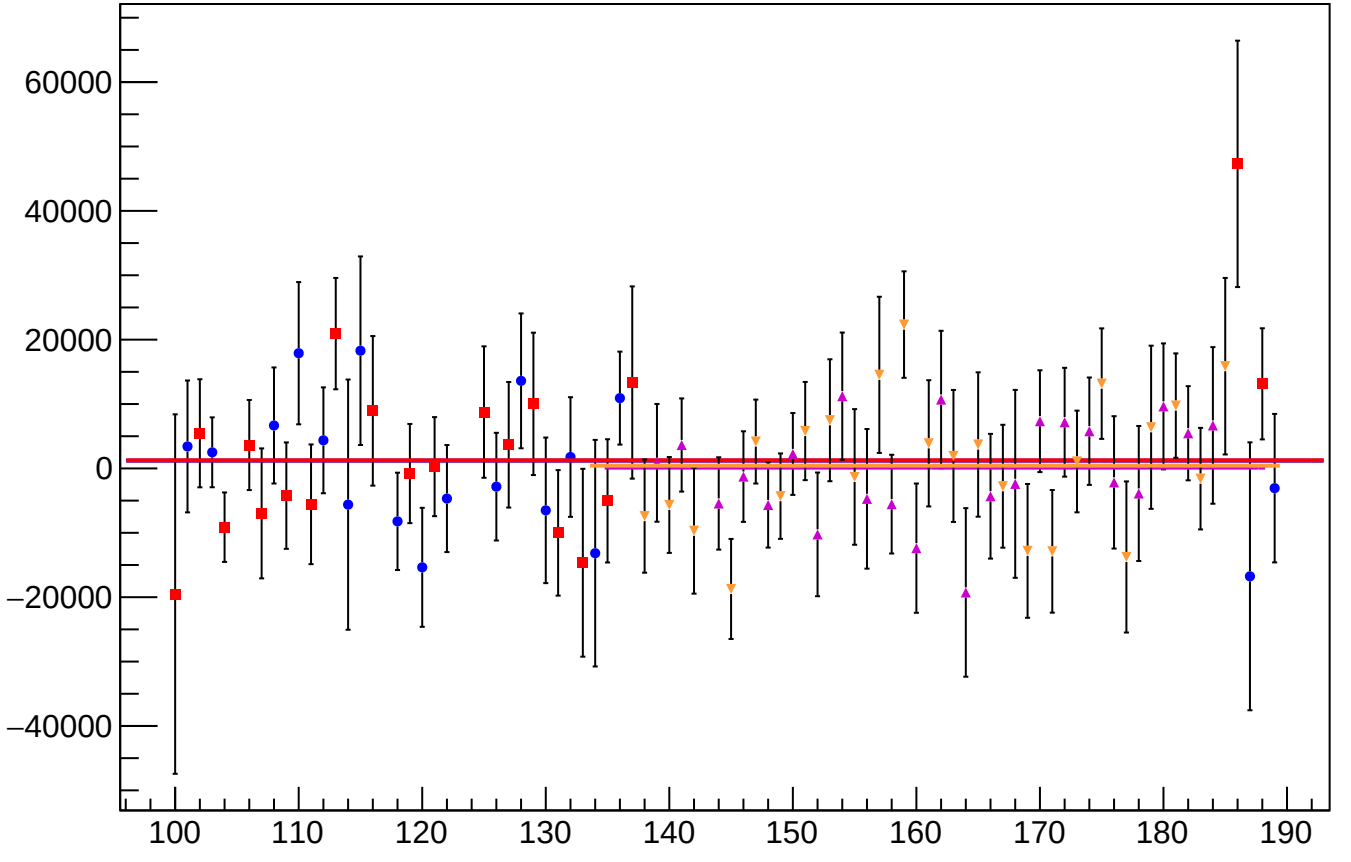
Right: 1474.630+/-0.262 χ^2/NDF: 1042344.8/37

In: 1557.172+/-0.217 χ^2/NDF:834988.8/40

Out: 1552.940+/-0.213 χ^2/NDF:706494.4/43

All: 1555.017+/-0.152 χ^2/NDF: 1541677.7/84

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1210.994+/-2209.264 χ^2/NDF: 15.1/17

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1257.072+/-2058.723 χ^2/NDF: 24.5/19

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

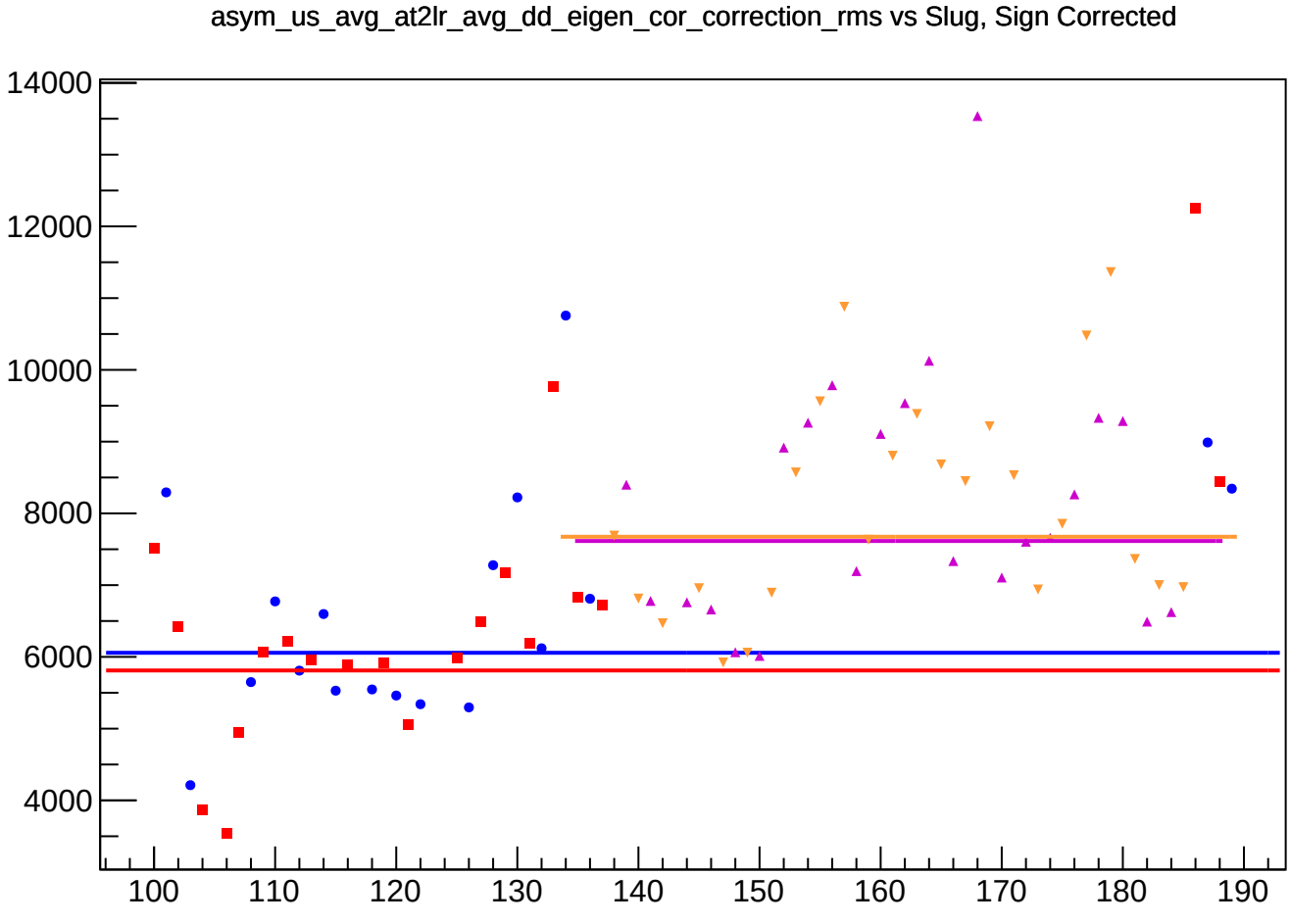
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1235.656+/-1506.148 χ^2/NDF: 39.6/37

In: 563.384+/-1402.342 χ^2/NDF:29.1/40

Out: 790.946+/-1363.510 χ^2/NDF:54.0/43

All: 680.359+/-977.587 χ^2/NDF: 83.1/84



Right In: 6057.124+/-1.562 χ^2/NDF: 777368.0/17

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 5810.712+/-1.456 χ^2/NDF: 1162956.9/19

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

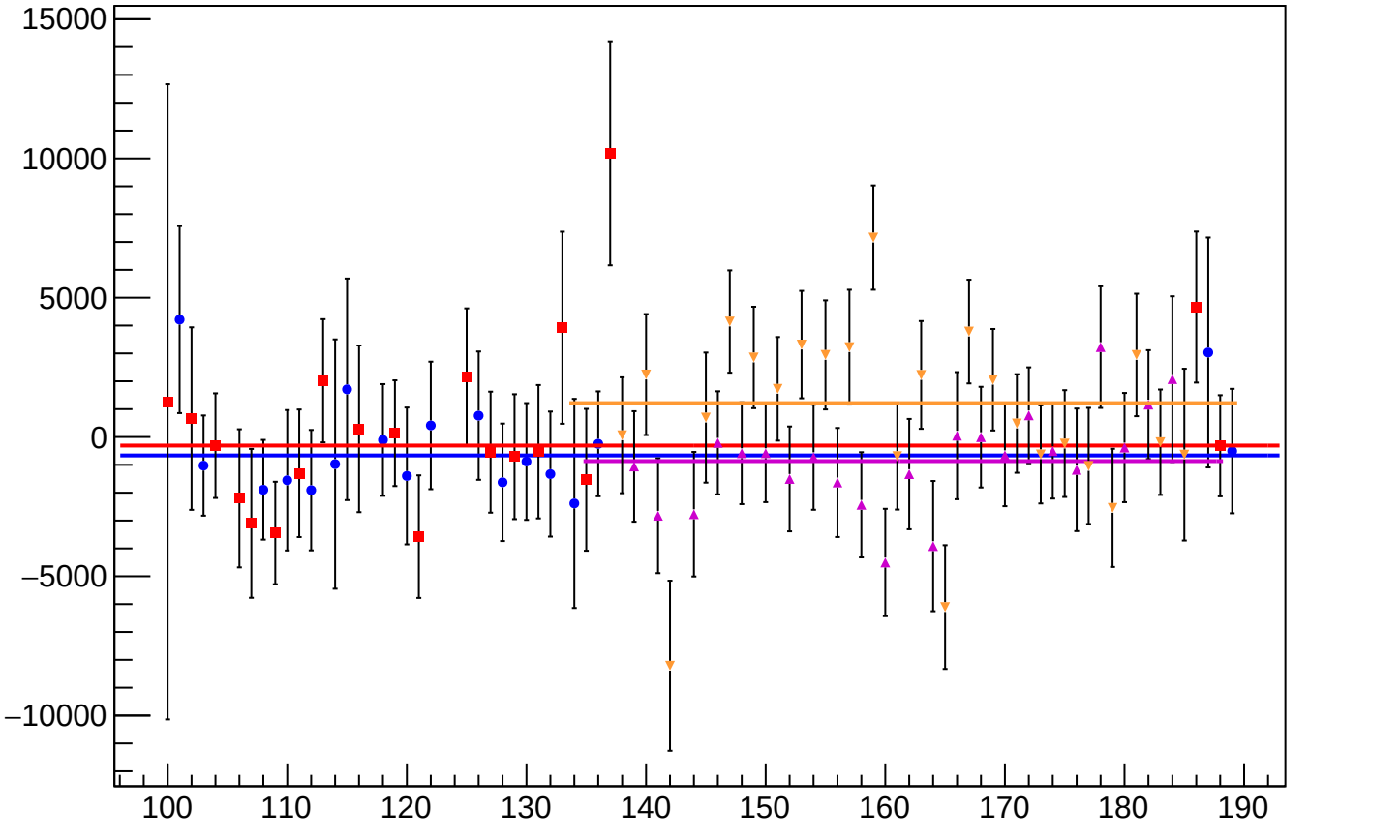
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 5925.238+/-1.065 χ^2/NDF: 1953641.7/37

In: 6987.289+/-0.992 χ^2/NDF:2595662.0/40

Out: 6856.699+/-0.964 χ^2/NDF:3159388.0/43

All: 6920.161+/-0.691 χ^2/NDF: 5763965.2/84



Right In: -662.858+/-554.562 χ^2/NDF: 5.6/17

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -308.282+/-537.383 χ^2/NDF: 21.2/19

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

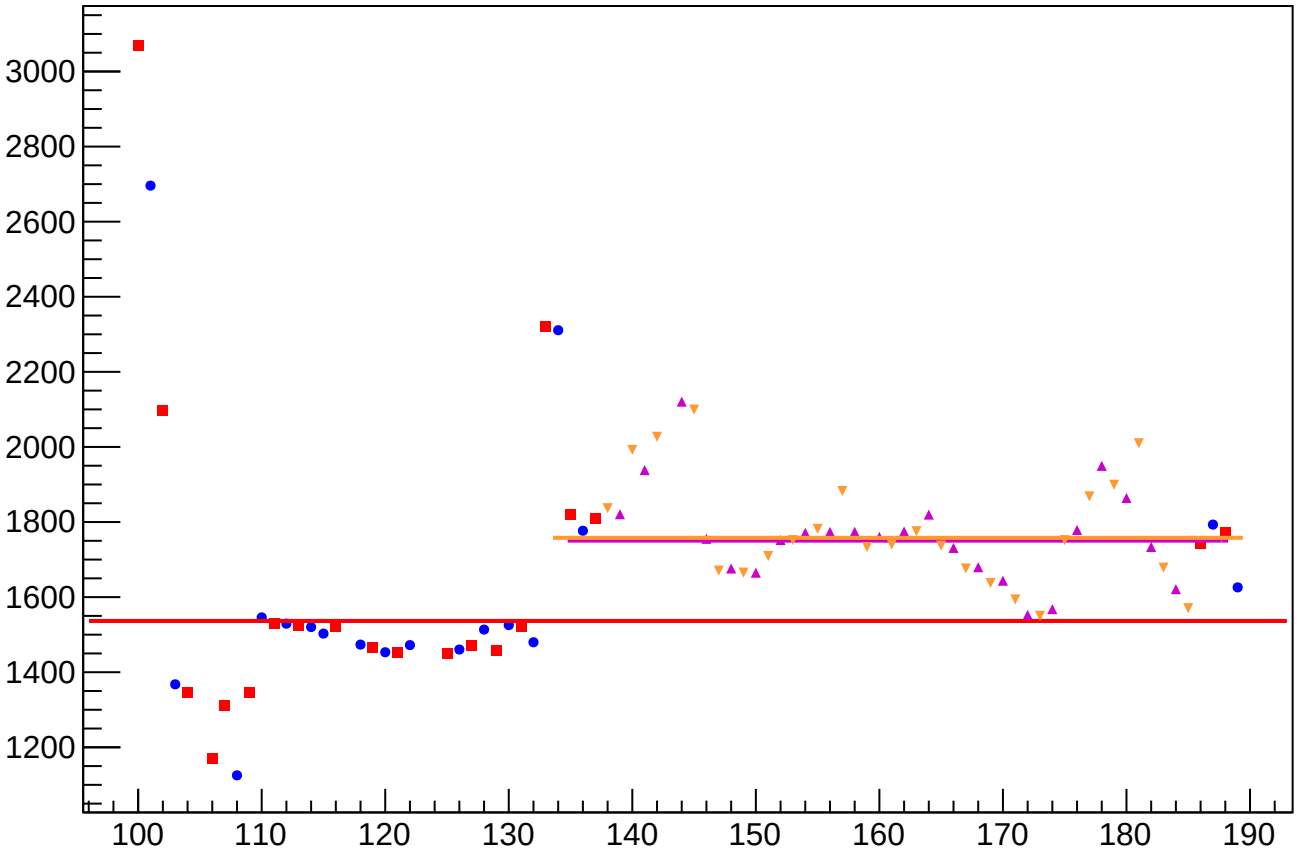
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -479.993+/-385.917 χ^2/NDF: 27.0/37

In: -794.211+/-329.702 χ^2/NDF:20.8/40

Out: 655.480+/-325.753 χ^2/NDF:74.8/43

All: -60.631+/-231.726 χ^2/NDF: 105.4/84



Right In: 1536.558+/-0.392 χ^2/NDF: 499992.9/17

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1536.469+/-0.380 χ^2/NDF: 390711.5/19

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

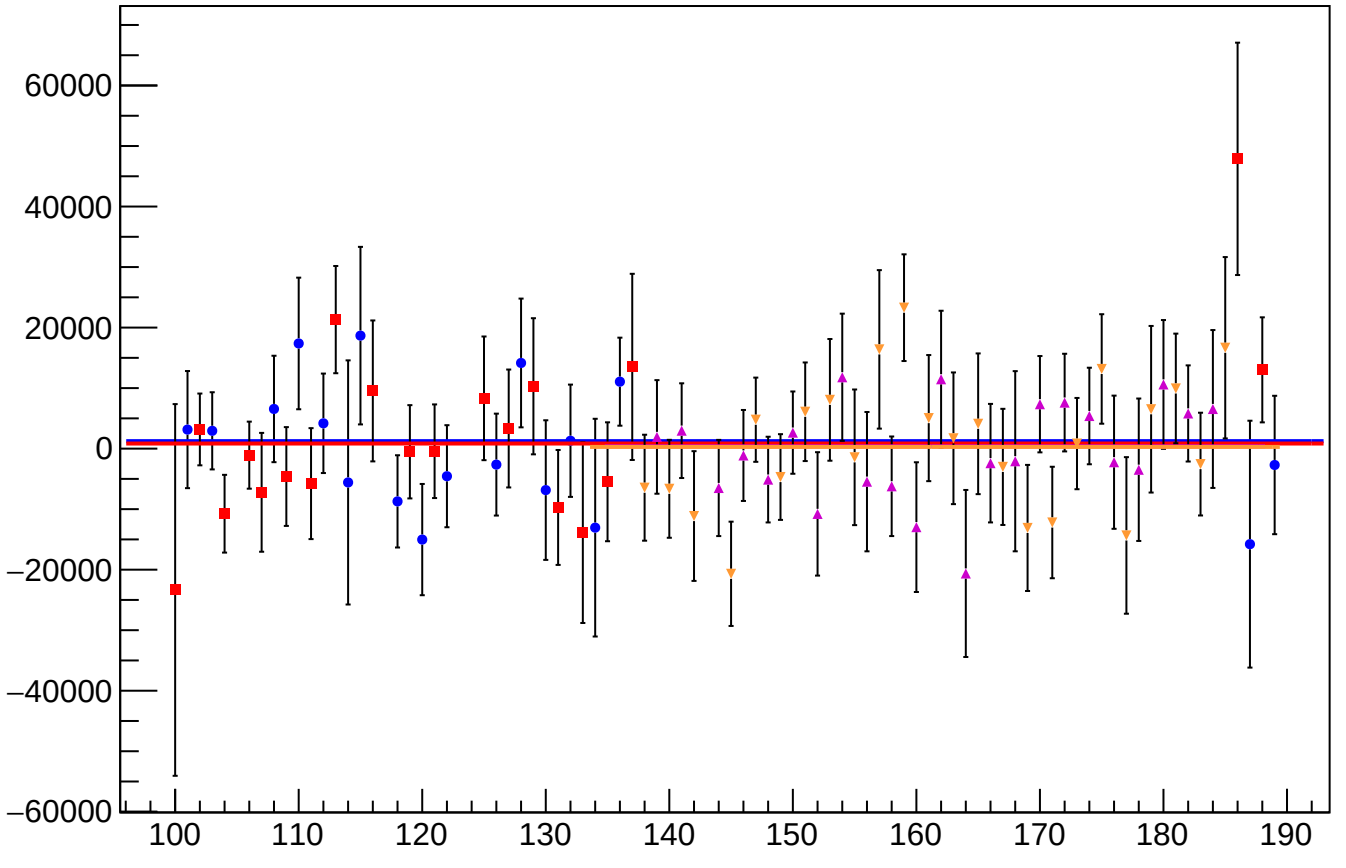
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1536.512+/-0.273 χ^2/NDF: 890704.4/37

In: 1674.865+/-0.233 χ^2/NDF:864290.0/40

Out: 1676.548+/-0.230 χ^2/NDF:818989.0/43

All: 1675.717+/-0.164 χ^2/NDF: 1683305.4/84



Right In: 1237.569+/-2259.703 χ^2/NDF: 15.1/17

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 842.759+/-1994.253 χ^2/NDF: 24.3/19

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

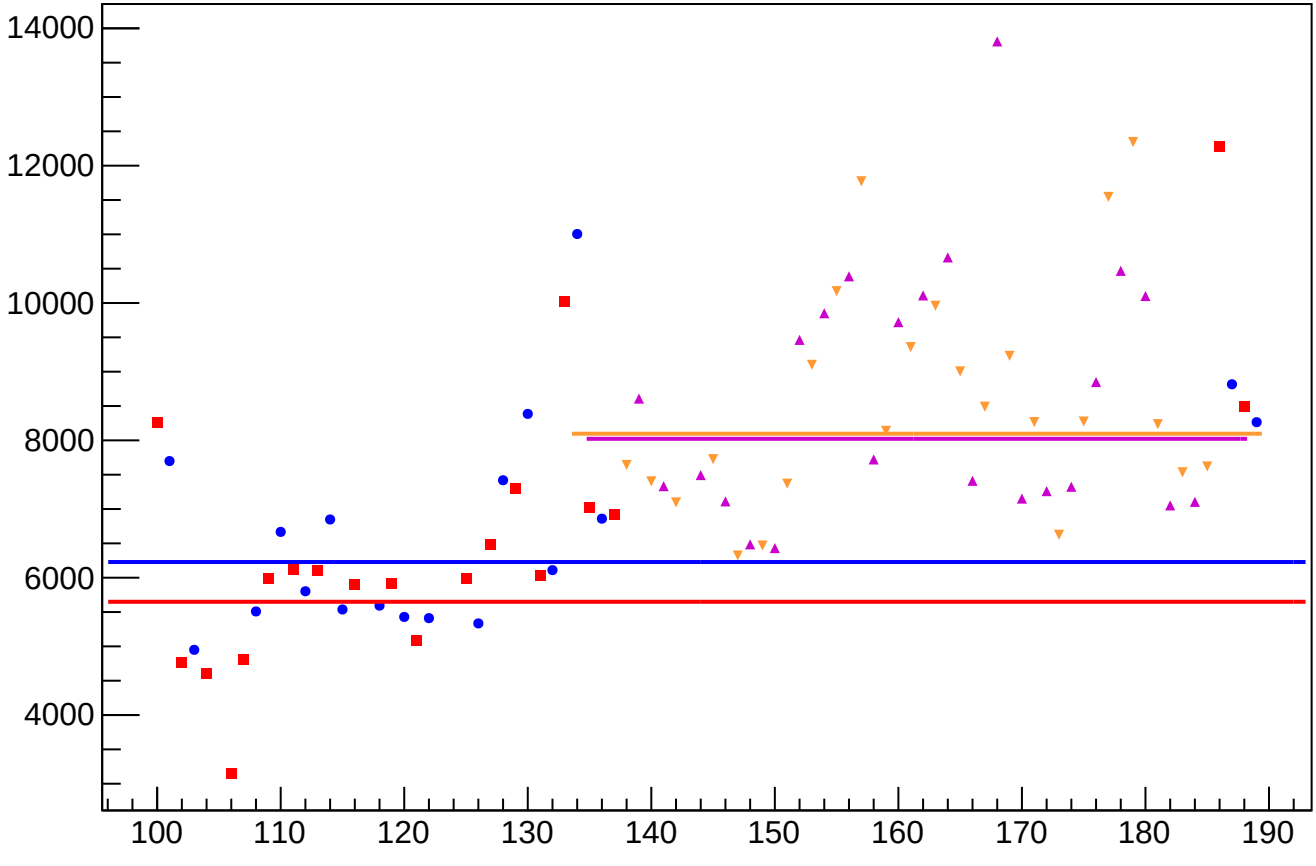
Right: 1015.623+/-1495.236 χ^2/NDF: 39.4/37

In: 739.435+/-1459.784 χ^2/NDF:28.8/40

Out: 553.283+/-1383.201 χ^2/NDF:53.0/43

All: 641.348+/-1004.053 χ^2/NDF: 81.8/84

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6228.367+/-1.598 χ^2/NDF: 572427.6/17

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 5649.348+/-1.410 χ^2/NDF: 1302344.1/19

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

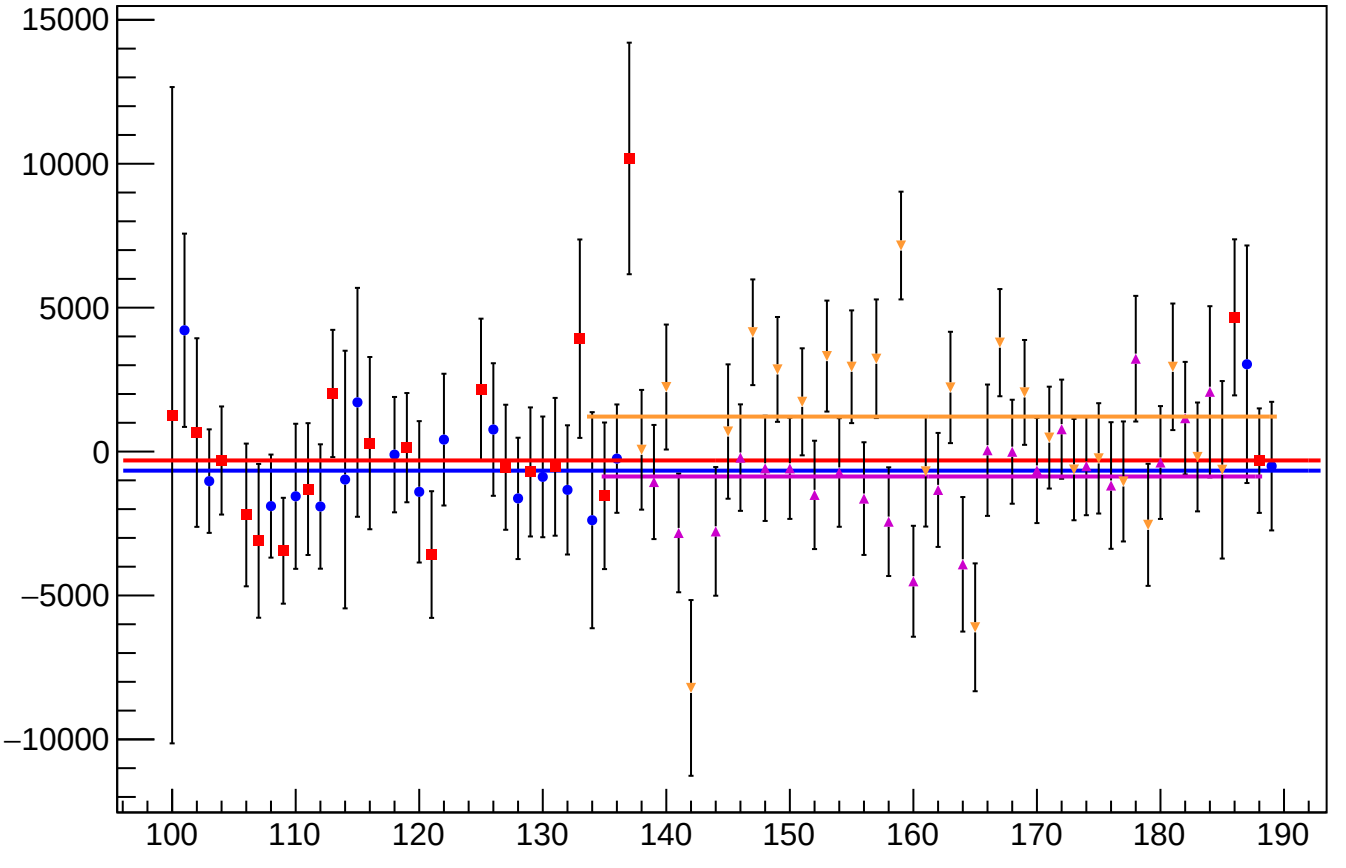
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 5902.866+/-1.057 χ^2/NDF: 1948591.5/37

In: 7273.895+/-1.032 χ^2/NDF:2532782.0/40

Out: 6919.410+/-0.978 χ^2/NDF:3953328.1/43

All: 7087.111+/-0.710 χ^2/NDF: 6548253.1/84



Right In: -662.862+/-554.562 χ^2/NDF: 5.6/17

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -308.294+/-537.383 χ^2/NDF: 21.2/19

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

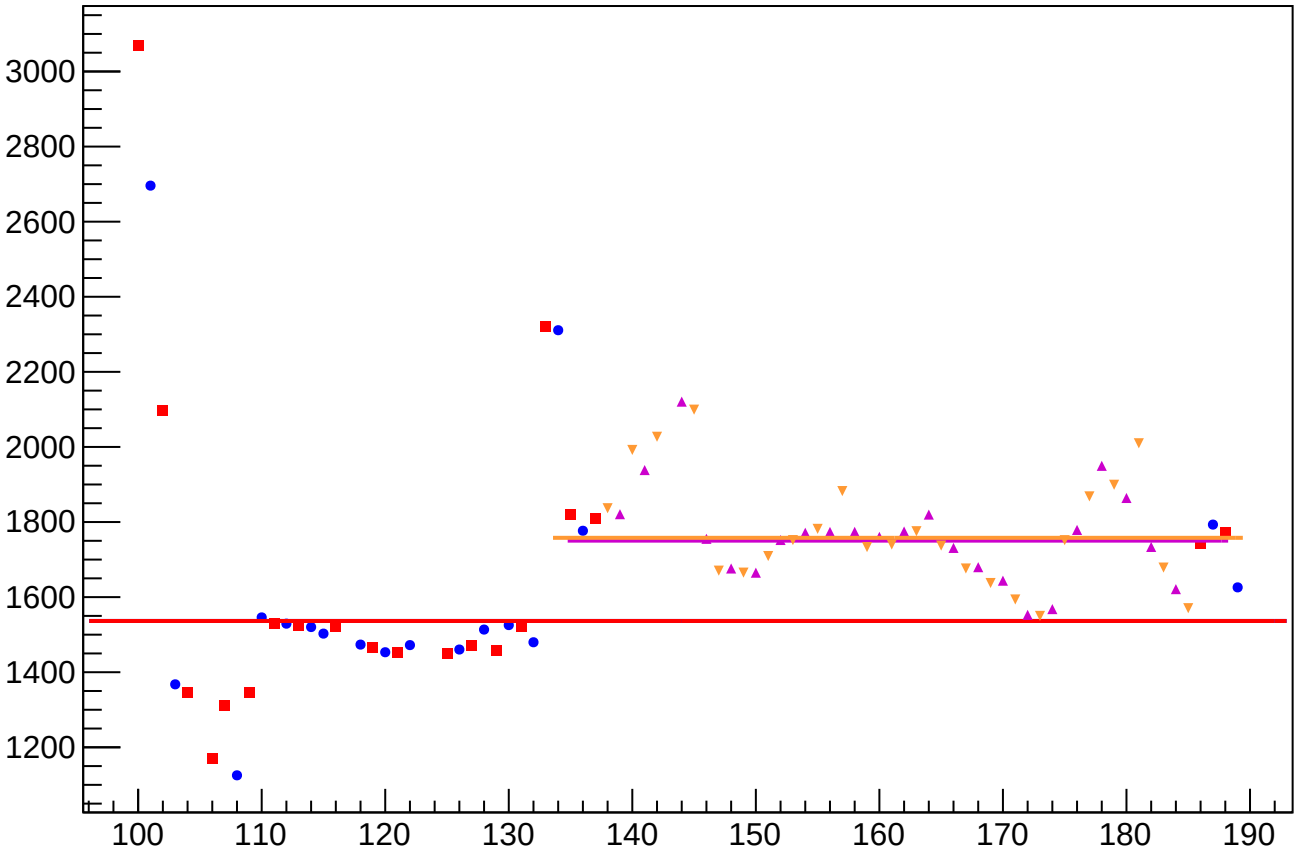
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -480.001+/-385.917 χ^2/NDF: 27.0/37

In: -794.212+/-329.702 χ^2/NDF:20.8/40

Out: 655.480+/-325.753 χ^2/NDF:74.8/43

All: -60.632+/-231.726 χ^2/NDF: 105.4/84



Right In: 1536.558+/-0.392 χ^2/NDF: 499992.1/17

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1536.469+/-0.380 χ^2/NDF: 390711.6/19

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

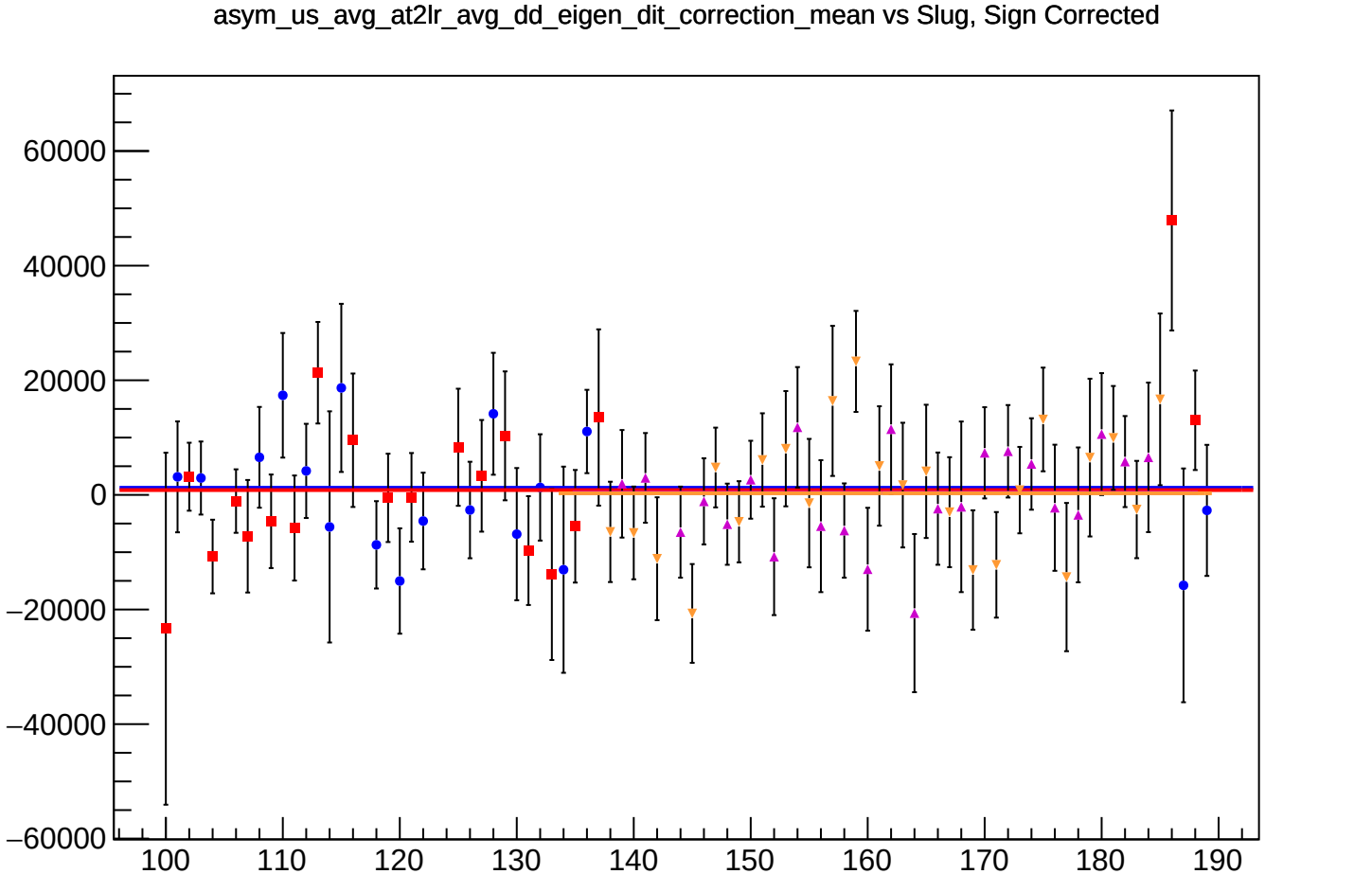
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1536.512+/-0.273 χ^2/NDF: 890703.8/37

In: 1674.866+/-0.233 χ^2/NDF:864302.5/40

Out: 1676.550+/-0.230 χ^2/NDF:819002.1/43

All: 1675.718+/-0.164 χ^2/NDF: 1683330.9/84



Right In: 1237.552+/-2259.699 χ^2/NDF: 15.1/17

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 842.748+/-1994.249 χ^2/NDF: 24.3/19

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

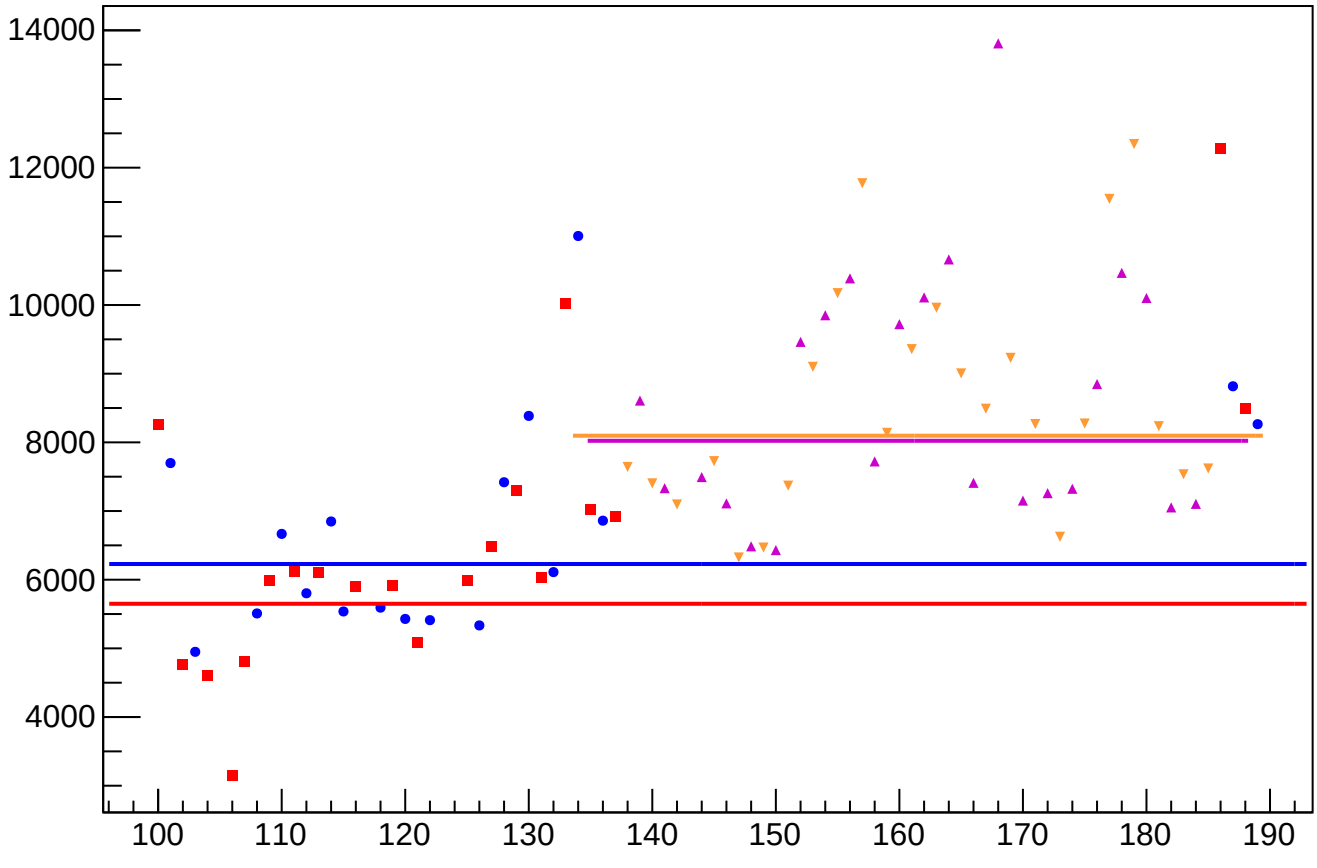
Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

Right: 1015.609+/-1495.233 χ^2/NDF: 39.4/37

In: 739.431+/-1459.784 χ^2/NDF:28.8/40

Out: 553.280+/-1383.201 χ^2/NDF:53.0/43

All: 641.345+/-1004.053 χ^2/NDF: 81.8/84



Right In: 6228.354+/-1.598 χ^2/NDF: 572431.9/17

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5649.337+/-1.410 χ^2/NDF: 1302348.0/19

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

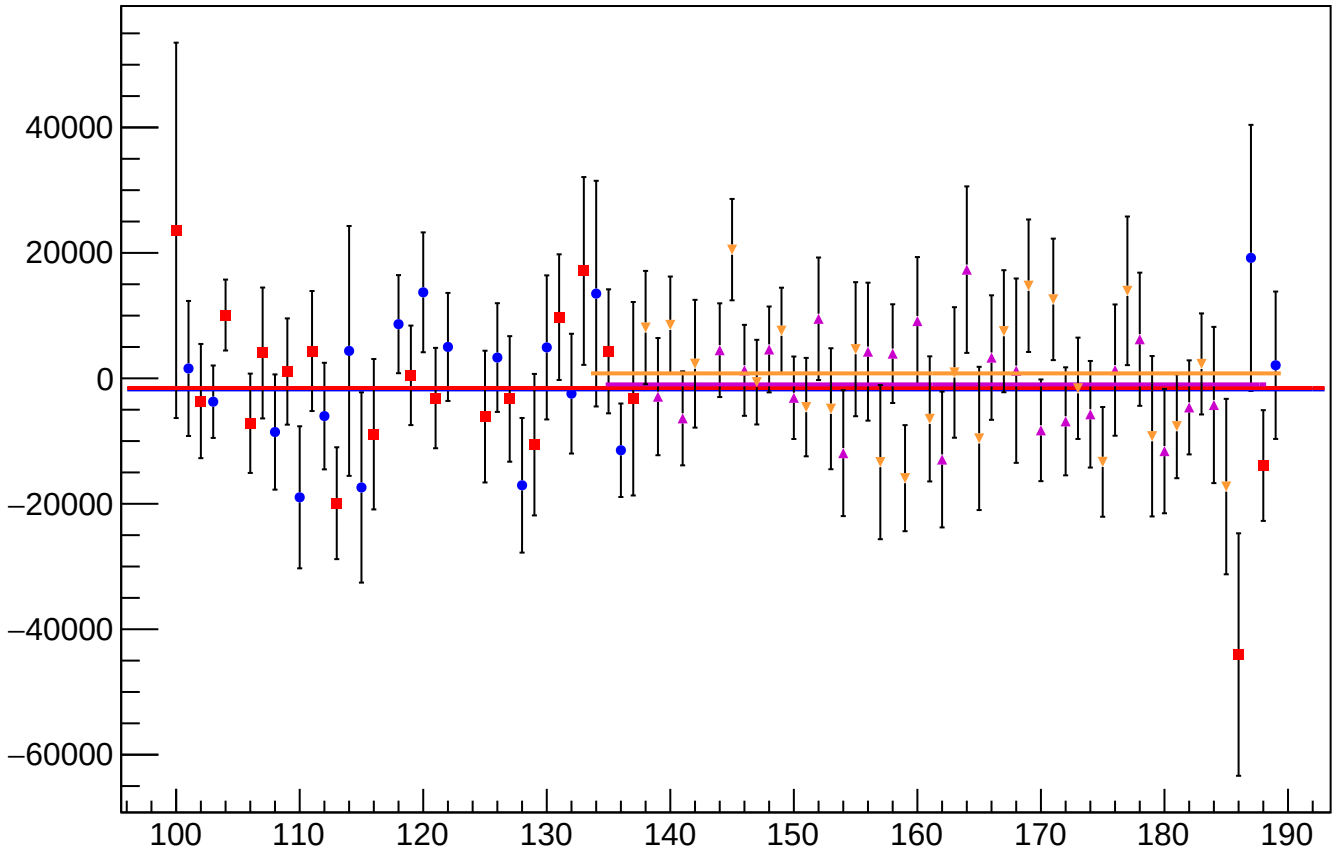
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 5902.854+/-1.057 χ^2/NDF: 1948599.4/37

In: 7273.894+/-1.032 χ^2/NDF:2532811.5/40

Out: 6919.407+/-0.978 χ^2/NDF:3953365.3/43

All: 7087.108+/-0.710 χ^2/NDF: 6548320.2/84



Right In: -1763.322+/-2288.712 χ^2/NDF: 15.7/17

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -1536.712+/-2147.681 χ^2/NDF: 21.8/19

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

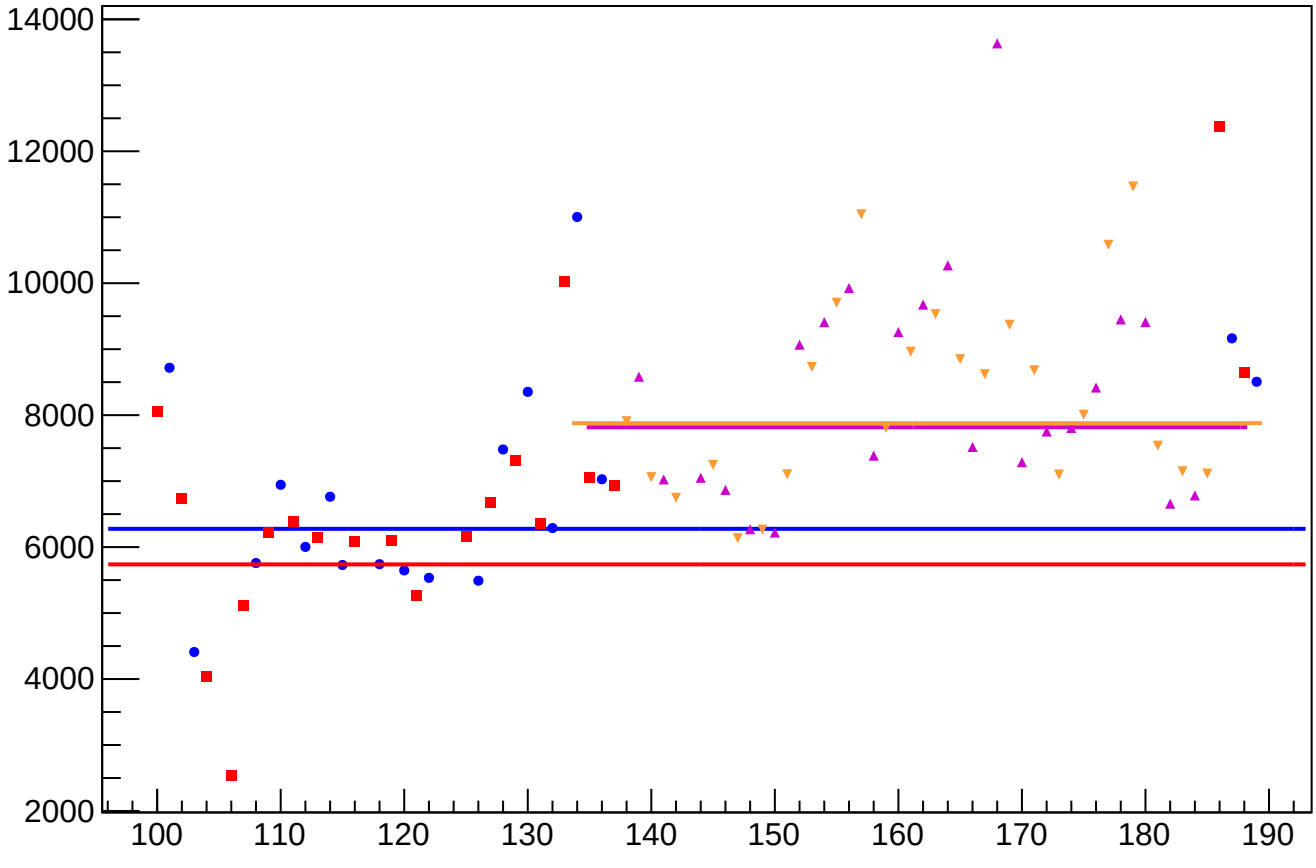
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1642.821+/-1566.126 χ^2/NDF: 37.5/37

In: -1281.900+/-1443.407 χ^2/NDF:28.6/40

Out: -209.603+/-1408.214 χ^2/NDF:49.7/43

All: -732.520+/-1007.970 χ^2/NDF: 78.5/84



Right In: 6277.068+/-1.618 χ^2/NDF: 738701.1/17

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 5737.505+/-1.468 χ^2/NDF: 1629302.7/19

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

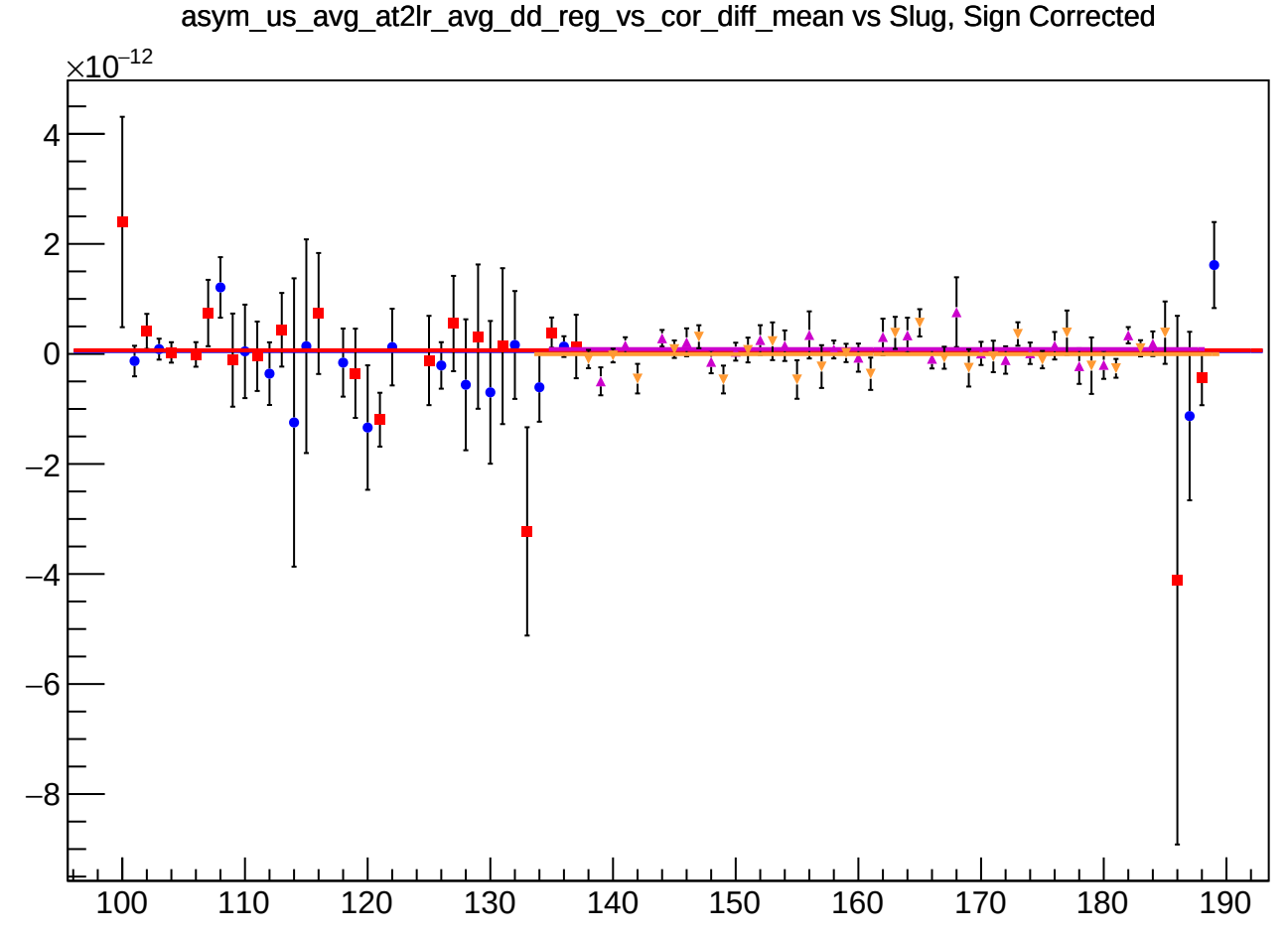
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 5981.029+/-1.087 χ^2/NDF: 2428991.6/37

In: 7204.176+/-1.021 χ^2/NDF:2415984.0/40

Out: 6922.127+/-0.981 χ^2/NDF:3796565.0/43

All: 7057.570+/-0.707 χ^2/NDF: 6252243.5/84



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/19

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

Left: 0.000+/-0.000 χ^2/NDF: 50.1/46

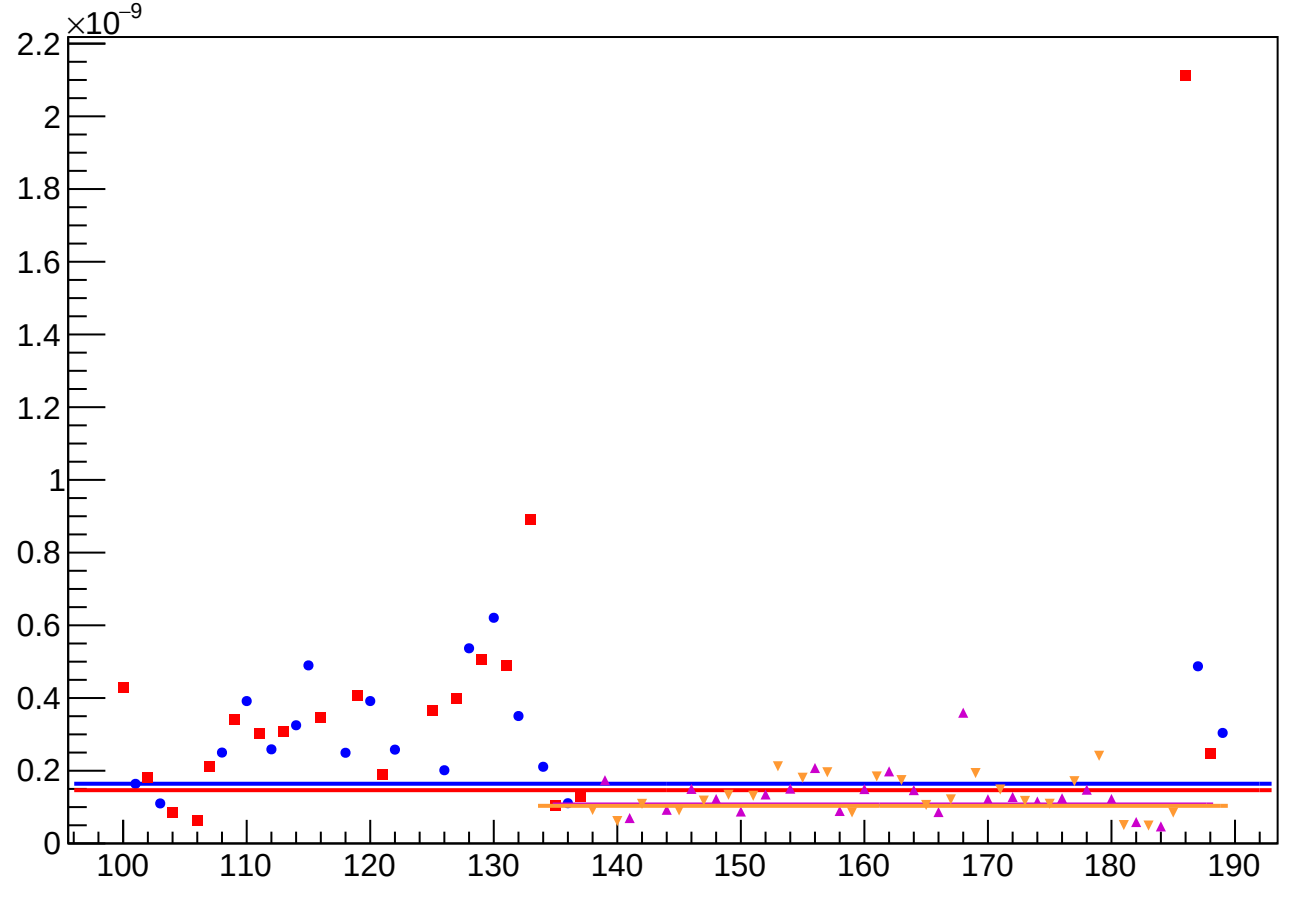
Right: 0.000+/-0.000 χ^2/NDF: 32.5/37

In: 0.000+/-0.000 χ^2/NDF:33.6/40

Out: 0.000+/-0.000 χ^2/NDF:47.3/43

All: 0.000+/-0.000 χ^2/NDF: 82.6/84

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1485428.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2588078.3/19

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

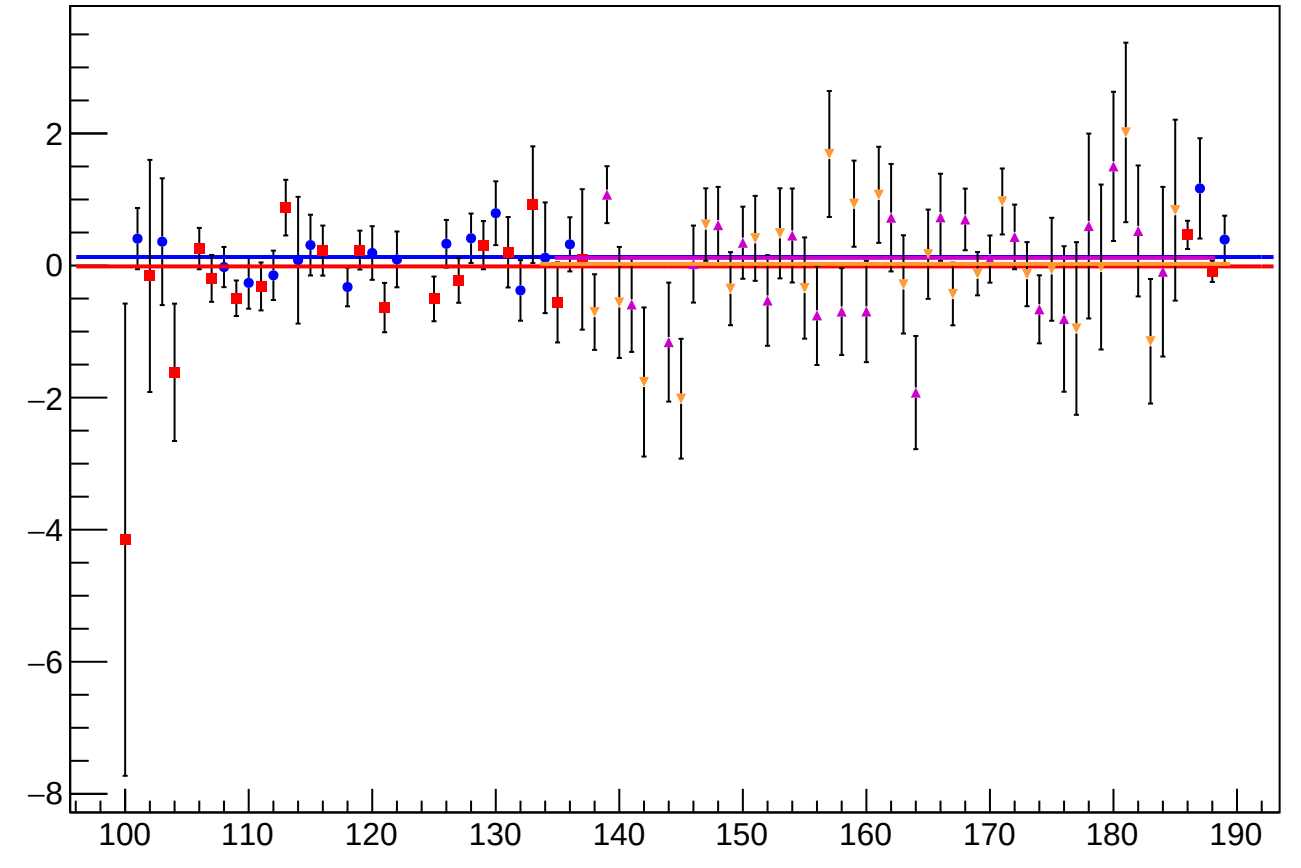
Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

Right: 0.000+/-0.000 χ^2/NDF: 4103893.3/37

In: 0.000+/-0.000 χ^2/NDF:3599972.8/40

Out: 0.000+/-0.000 χ^2/NDF:4801390.1/43

All: 0.000+/-0.000 χ^2/NDF: 8422774.3/84



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

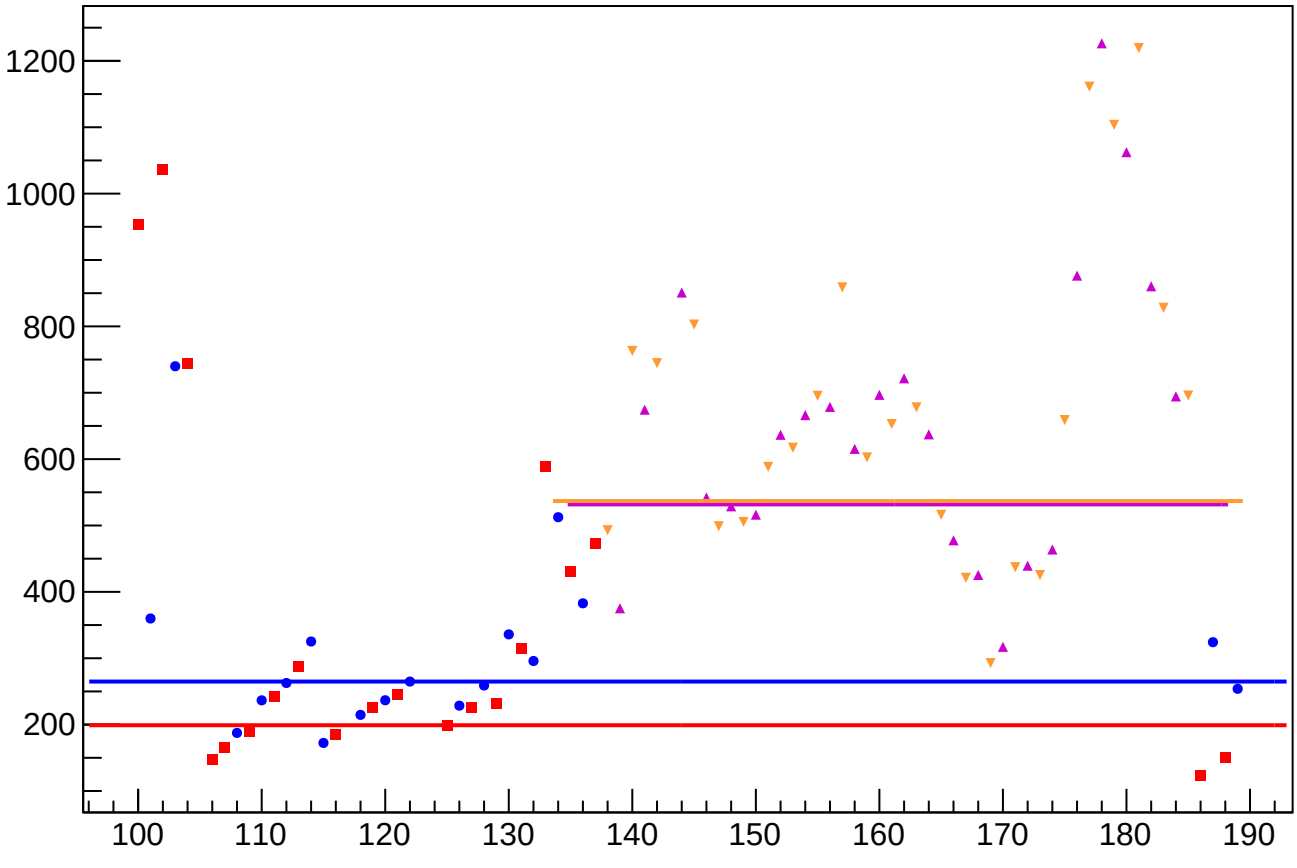
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.040+/-0.061 χ^2/NDF: 40.3/37

In: 0.124+/-0.080 χ^2/NDF:39.2/40

Out: -0.004+/-0.067 χ^2/NDF:56.7/43

All: 0.049+/-0.051 χ^2/NDF: 97.4/84



Right In: 264.882+/-0.071 χ^2/NDF: 1298041.6/17

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 199.082+/-0.055 χ^2/NDF: 2705051.3/19

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

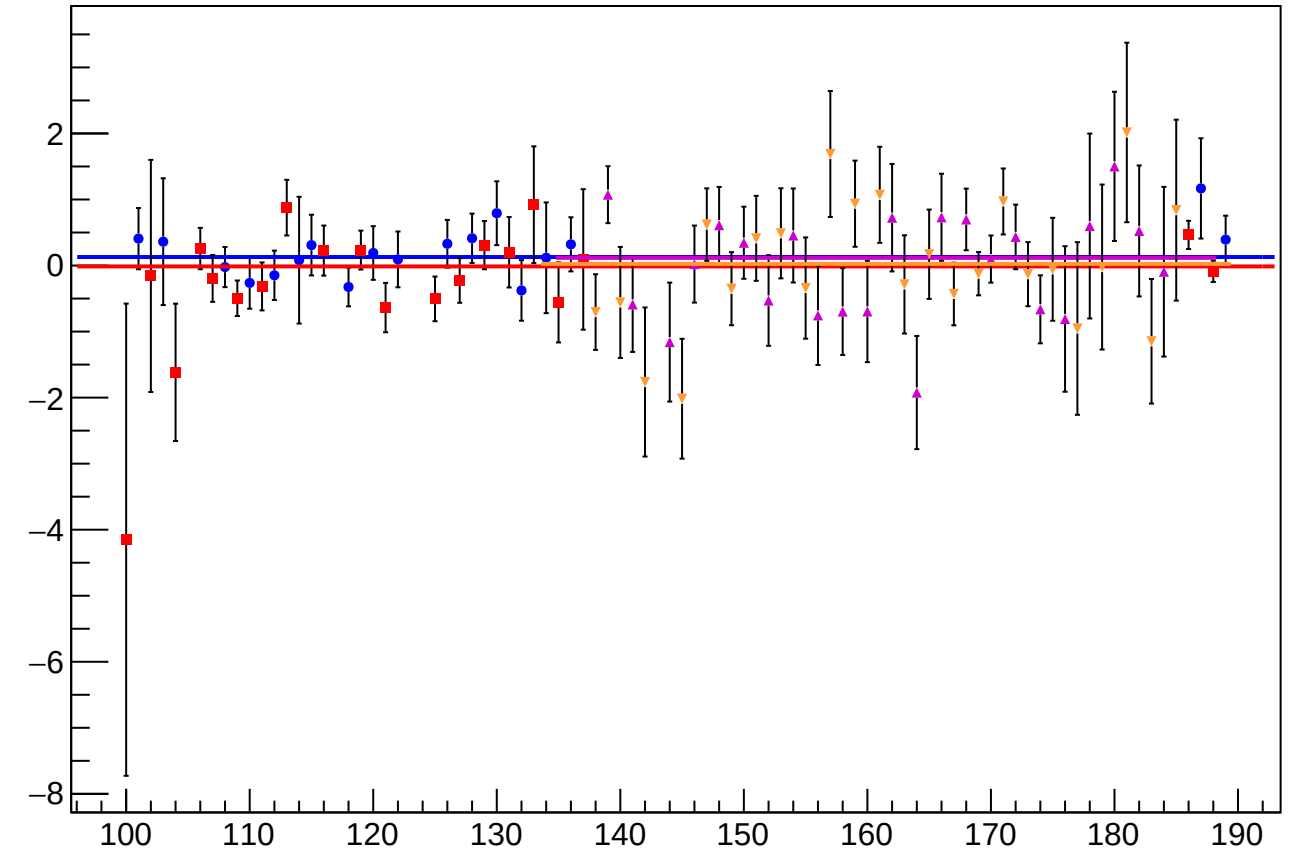
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 223.814+/-0.043 χ^2/NDF: 4543216.2/37

In: 361.808+/-0.056 χ^2/NDF:9849601.4/40

Out: 283.972+/-0.047 χ^2/NDF:16184276.8/43

All: 316.235+/-0.036 χ^2/NDF: 27147173.8/84



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

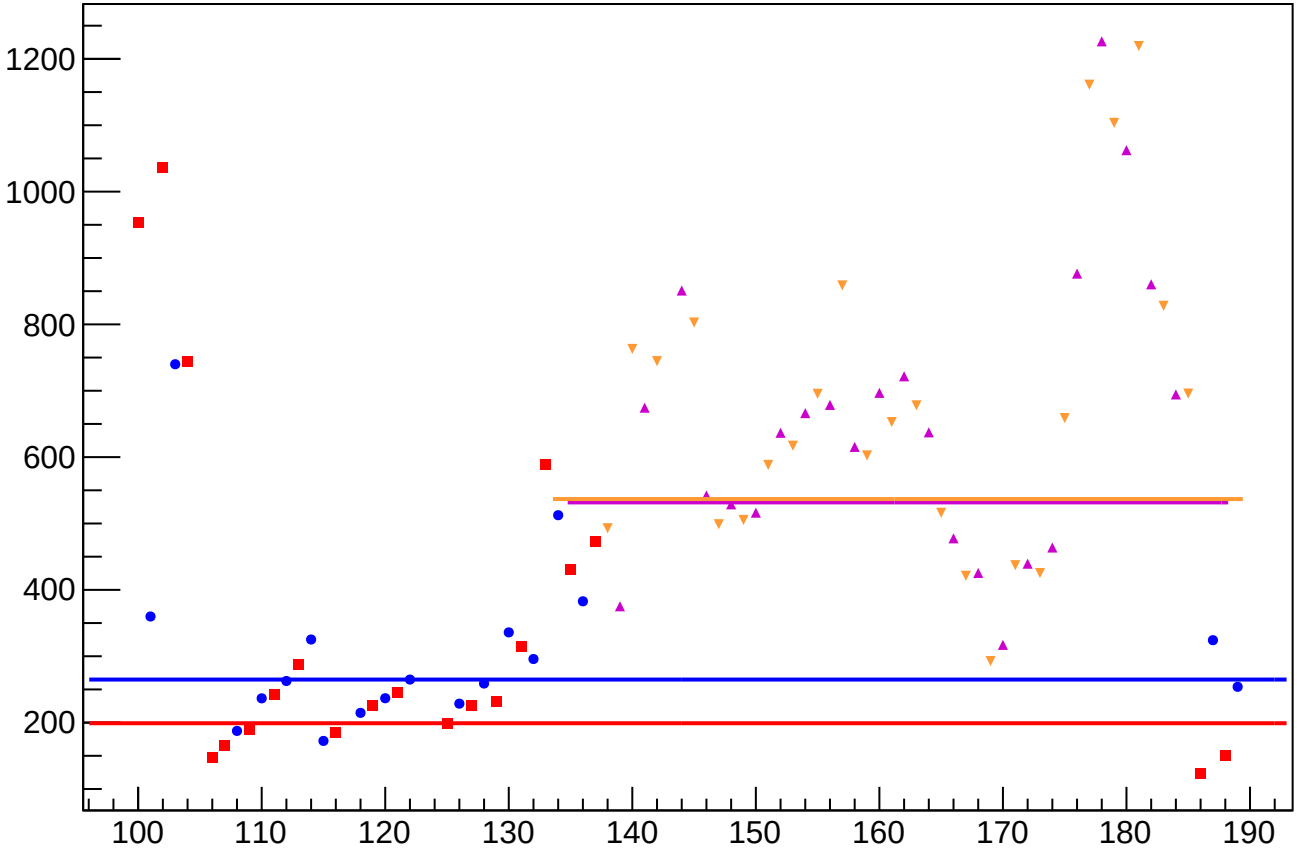
Right: 0.040+/-0.061 χ^2/NDF: 40.3/37

In: 0.124+/-0.080 χ^2/NDF:39.2/40

Out: -0.004+/-0.067 χ^2/NDF:56.7/43

All: 0.049+/-0.051 χ^2/NDF: 97.4/84

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.882+/-0.071 χ^2/NDF: 1298041.6/17

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 199.082+/-0.055 χ^2/NDF: 2705051.3/19

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

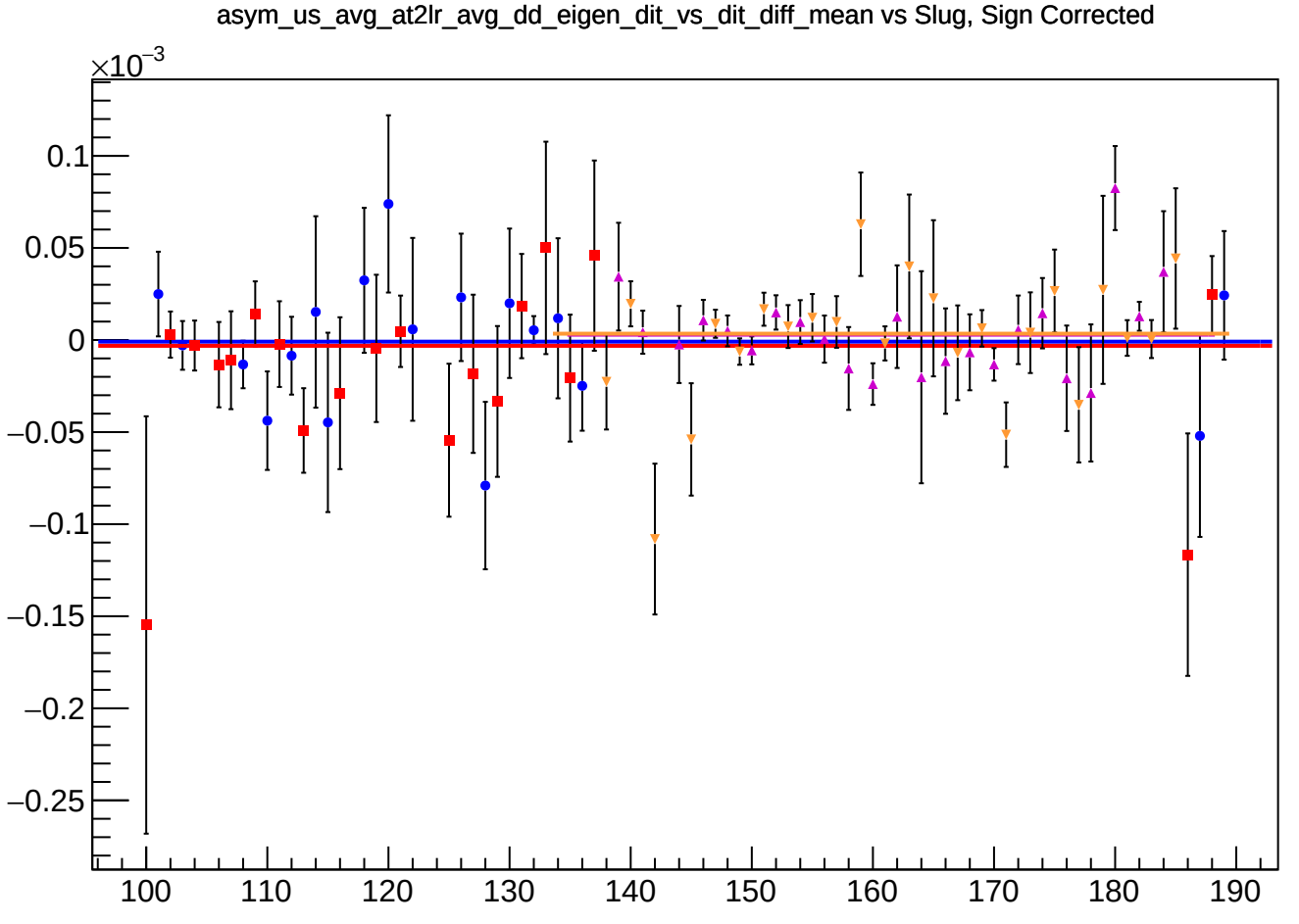
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 223.814+/-0.043 χ^2/NDF: 4543216.2/37

In: 361.808+/-0.056 χ^2/NDF:9849601.4/40

Out: 283.972+/-0.047 χ^2/NDF:16184276.8/43

All: 316.235+/-0.036 χ^2/NDF: 27147173.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.3/19

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

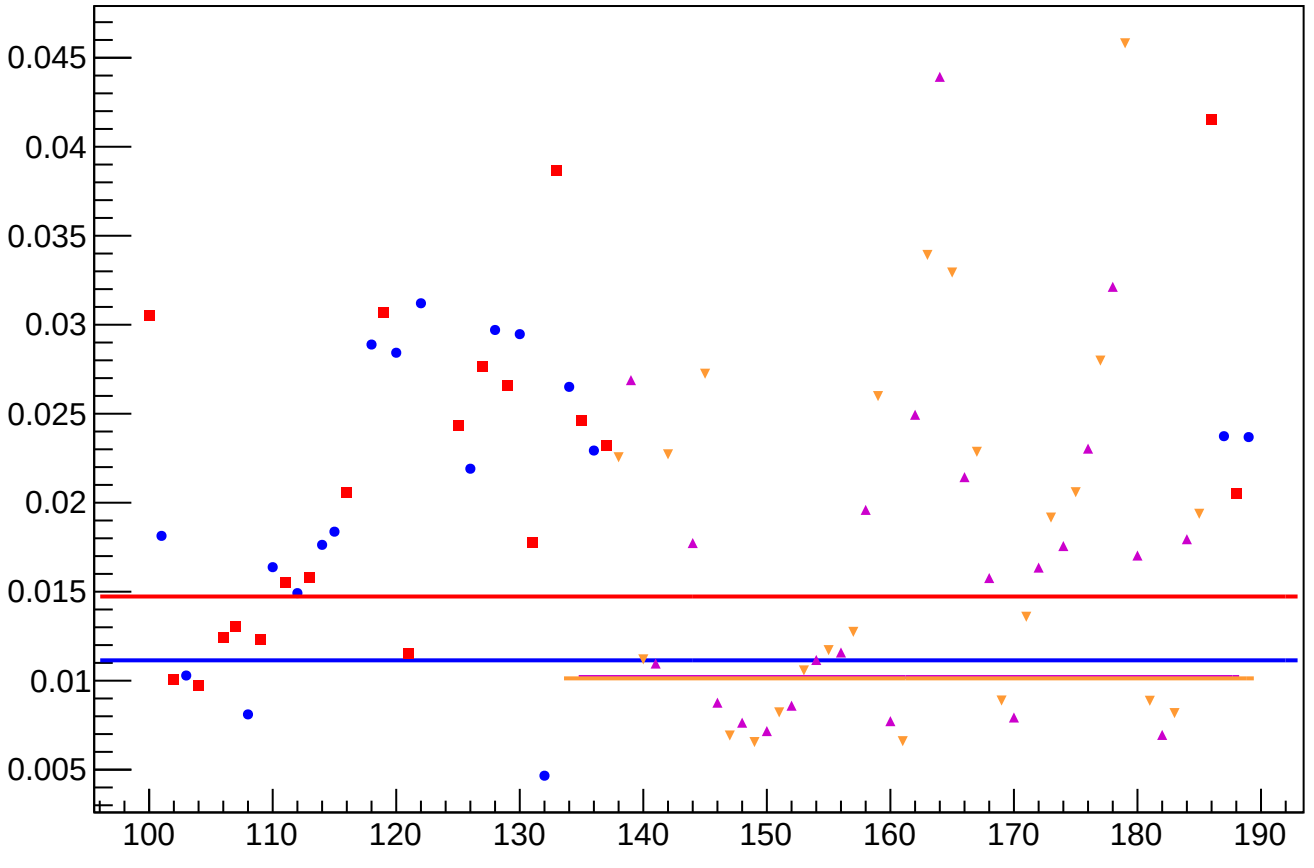
Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

Right: -0.000+/-0.000 χ^2/NDF: 33.2/37

In: 0.000+/-0.000 χ^2/NDF:48.4/40

Out: 0.000+/-0.000 χ^2/NDF:57.5/43

All: 0.000+/-0.000 χ^2/NDF: 105.9/84



Right In: 0.011+/-0.000 χ^2/NDF: 4954036.0/17

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.015+/-0.000 χ^2/NDF: 2593787.5/19

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

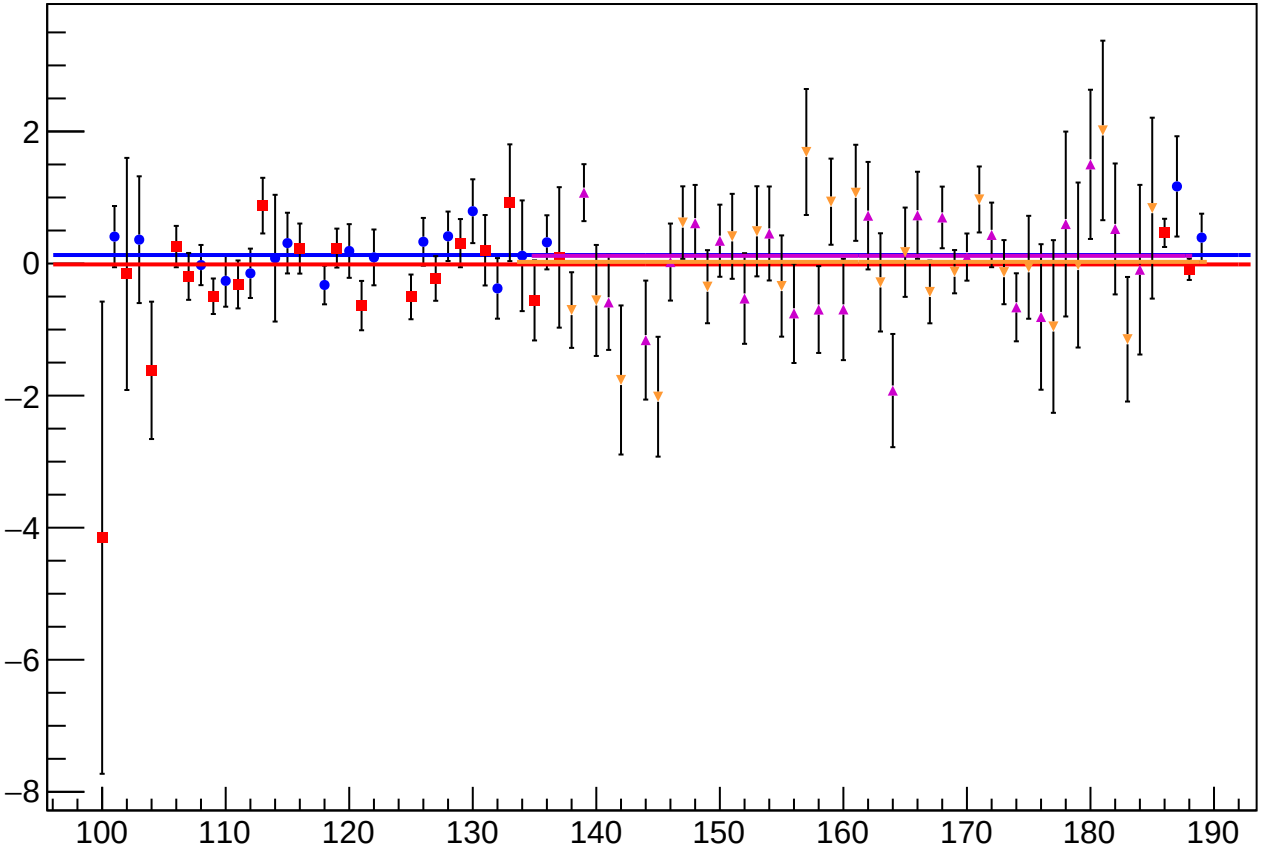
Right: 0.013+/-0.000 χ^2/NDF: 8021801.3/37

In: 0.010+/-0.000 χ^2/NDF:11085295.5/40

Out: 0.011+/-0.000 χ^2/NDF:11523250.6/43

All: 0.011+/-0.000 χ^2/NDF: 22671214.4/84

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

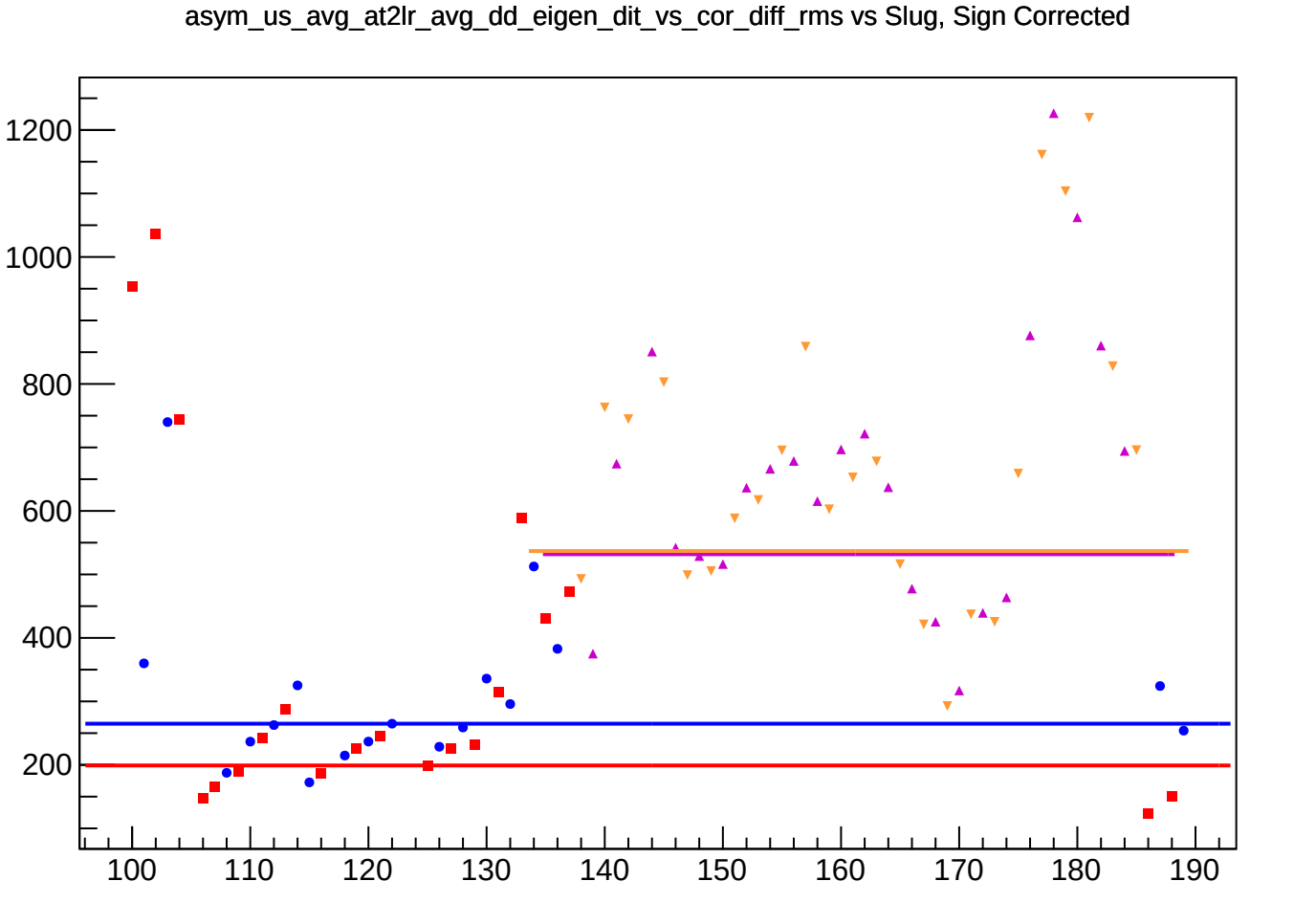
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.040+/-0.061 χ^2/NDF: 40.3/37

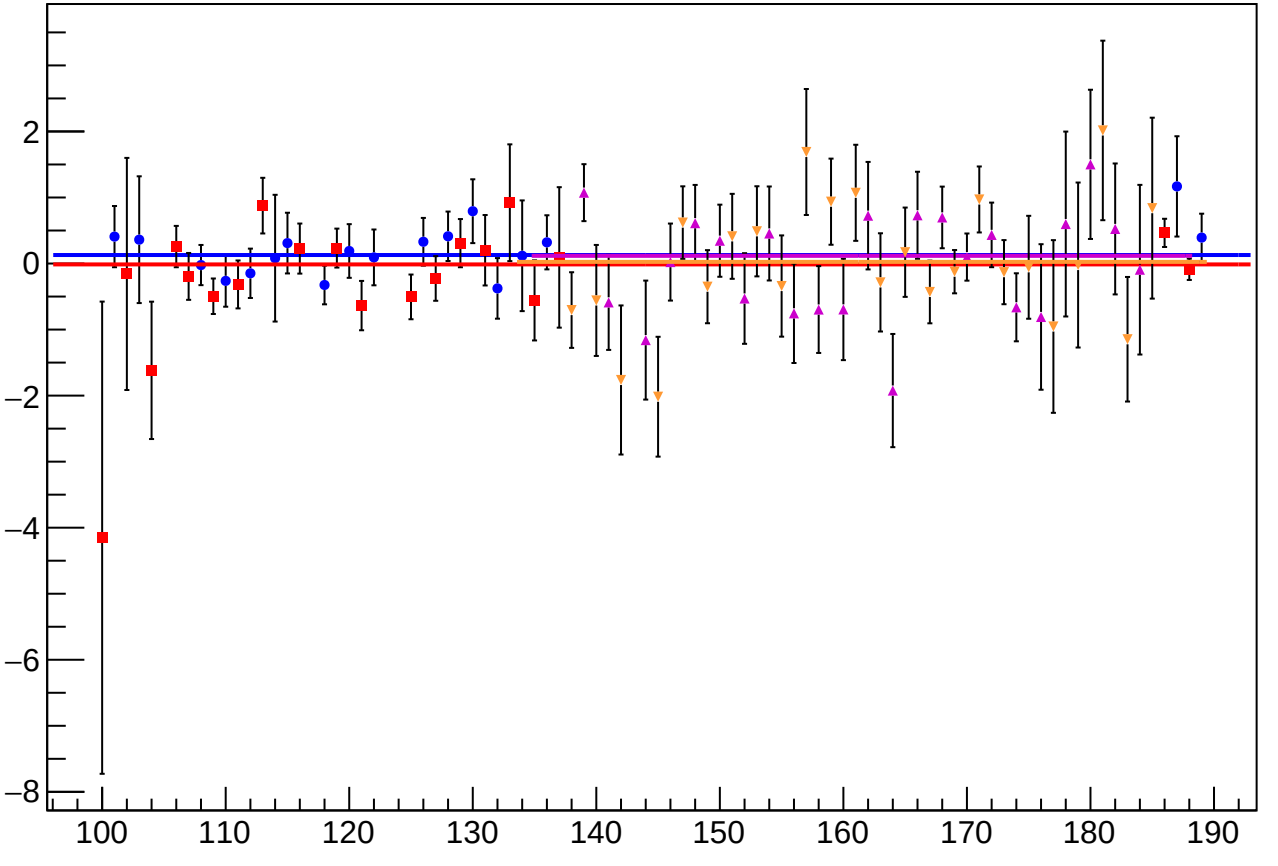
In: 0.124+/-0.080 χ^2/NDF:39.2/40

Out: -0.004+/-0.067 χ^2/NDF:56.7/43

All: 0.049+/-0.051 χ^2/NDF: 97.4/84


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 264.880+/-0.071 χ²/NDF: 1298015.1/17
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 199.081+/-0.055 χ²/NDF: 2705125.8/19
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 223.812+/-0.043 χ²/NDF: 4543266.2/37
In: 361.806+/-0.056 χ²/NDF:9849831.1/40
Out: 283.970+/-0.047 χ²/NDF:16184617.2/43
All: 316.233+/-0.036 χ²/NDF: 27147759.0/84

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.129+/-0.100 χ^2/NDF: 11.4/17

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

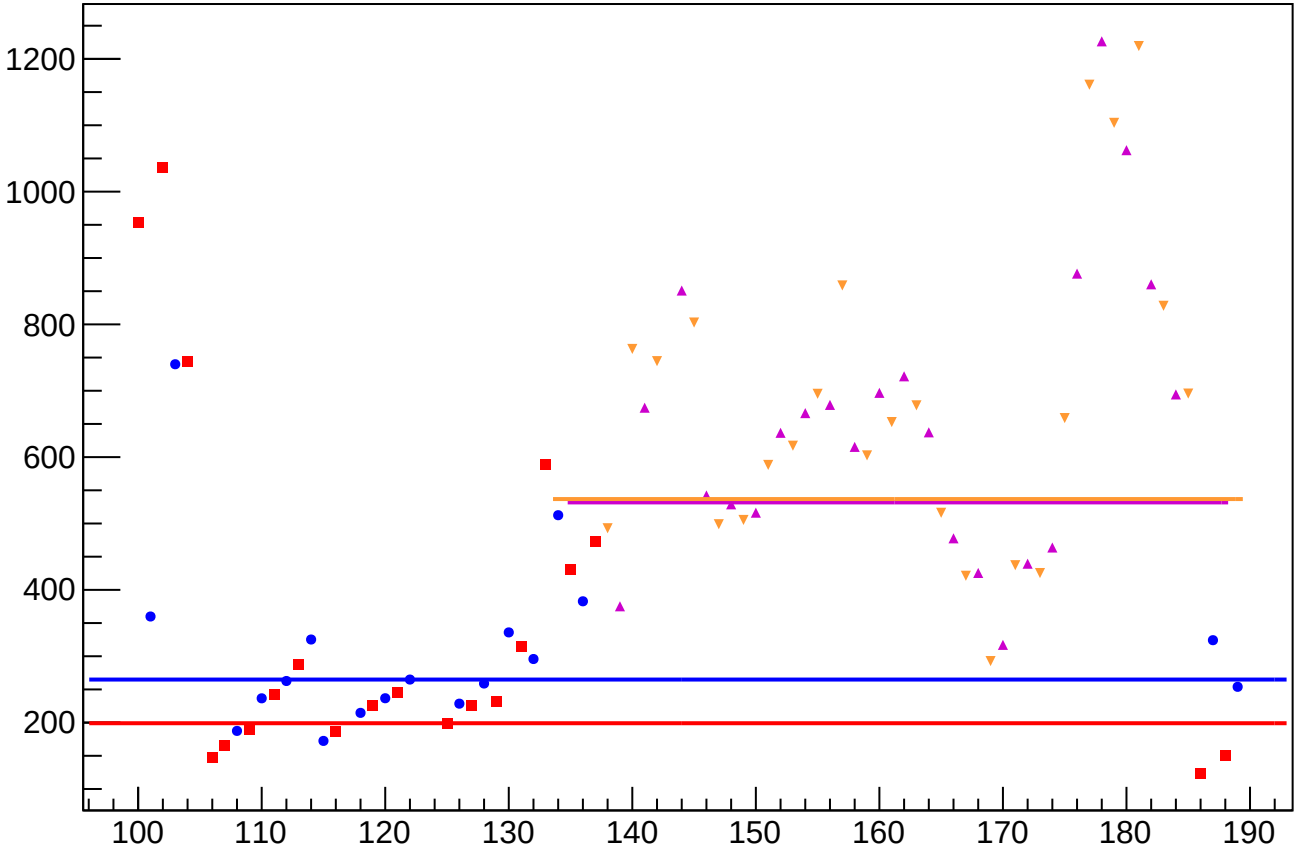
Right: 0.040+/-0.061 χ^2/NDF: 40.3/37

In: 0.124+/-0.080 χ^2/NDF:39.2/40

Out: -0.004+/-0.067 χ^2/NDF:56.7/43

All: 0.049+/-0.051 χ^2/NDF: 97.4/84

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.880+/-0.071 χ^2/NDF: 1298015.1/17

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 199.081+/-0.055 χ^2/NDF: 2705125.8/19

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

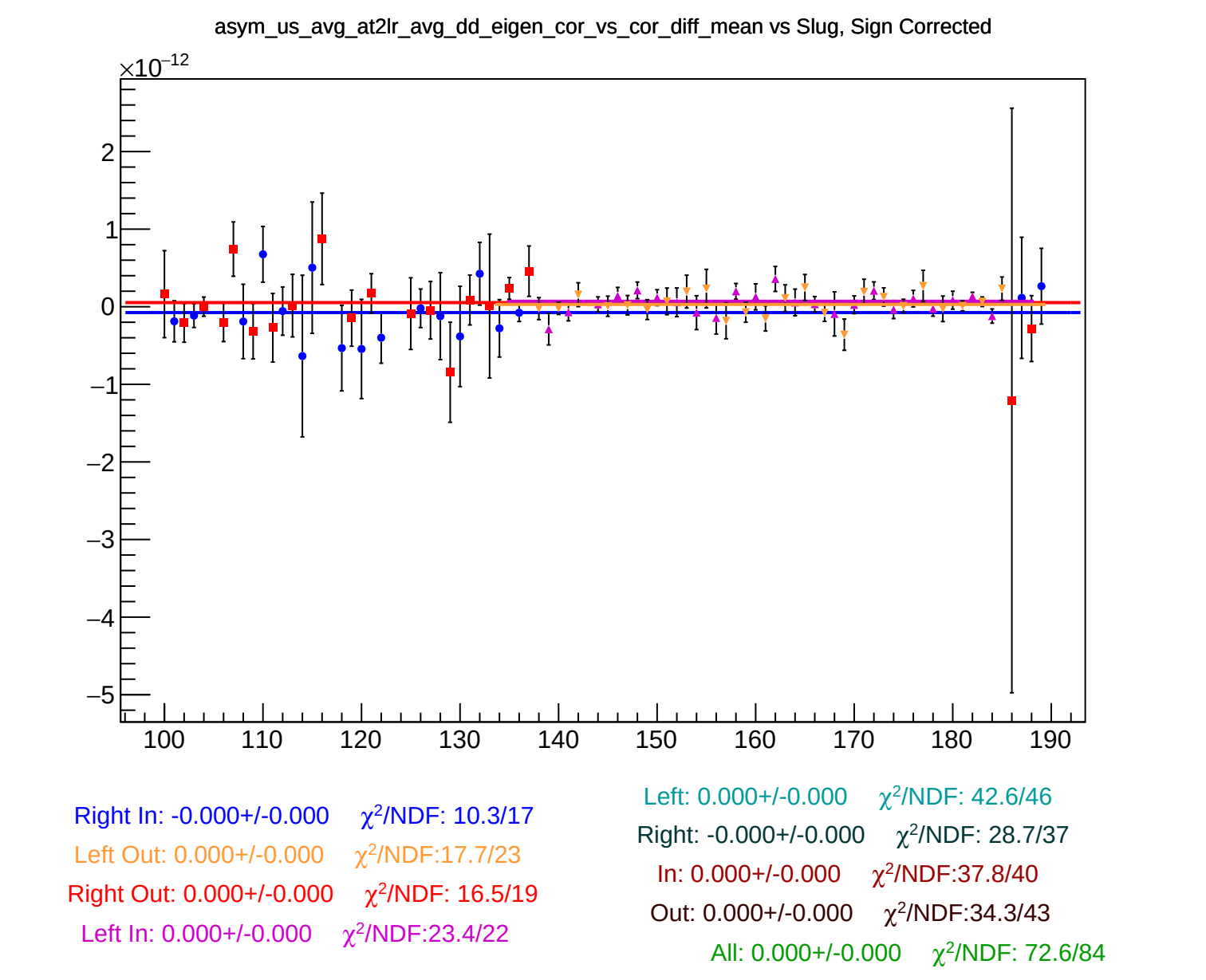
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

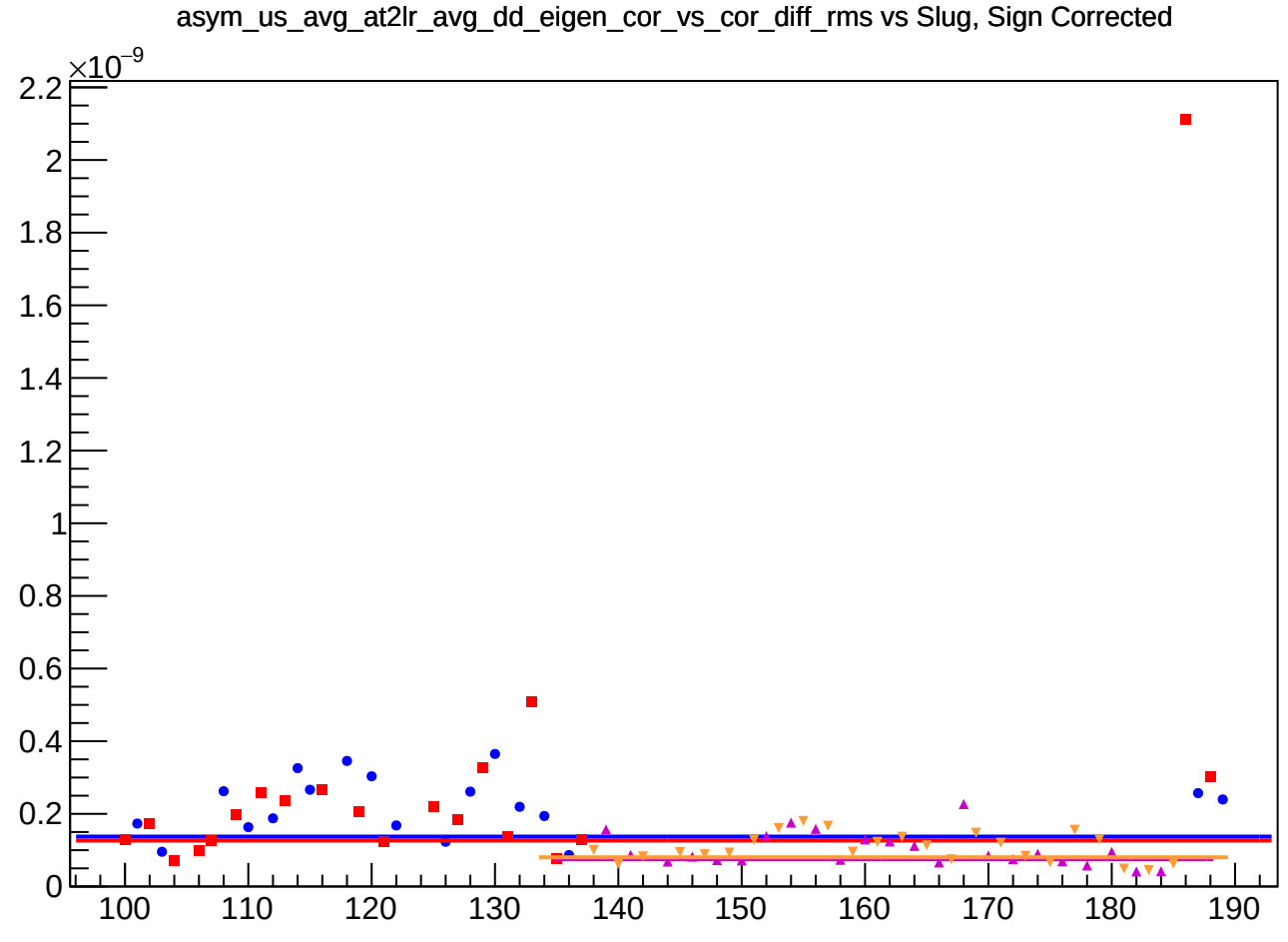
Right: 223.812+/-0.043 χ^2/NDF: 4543266.2/37

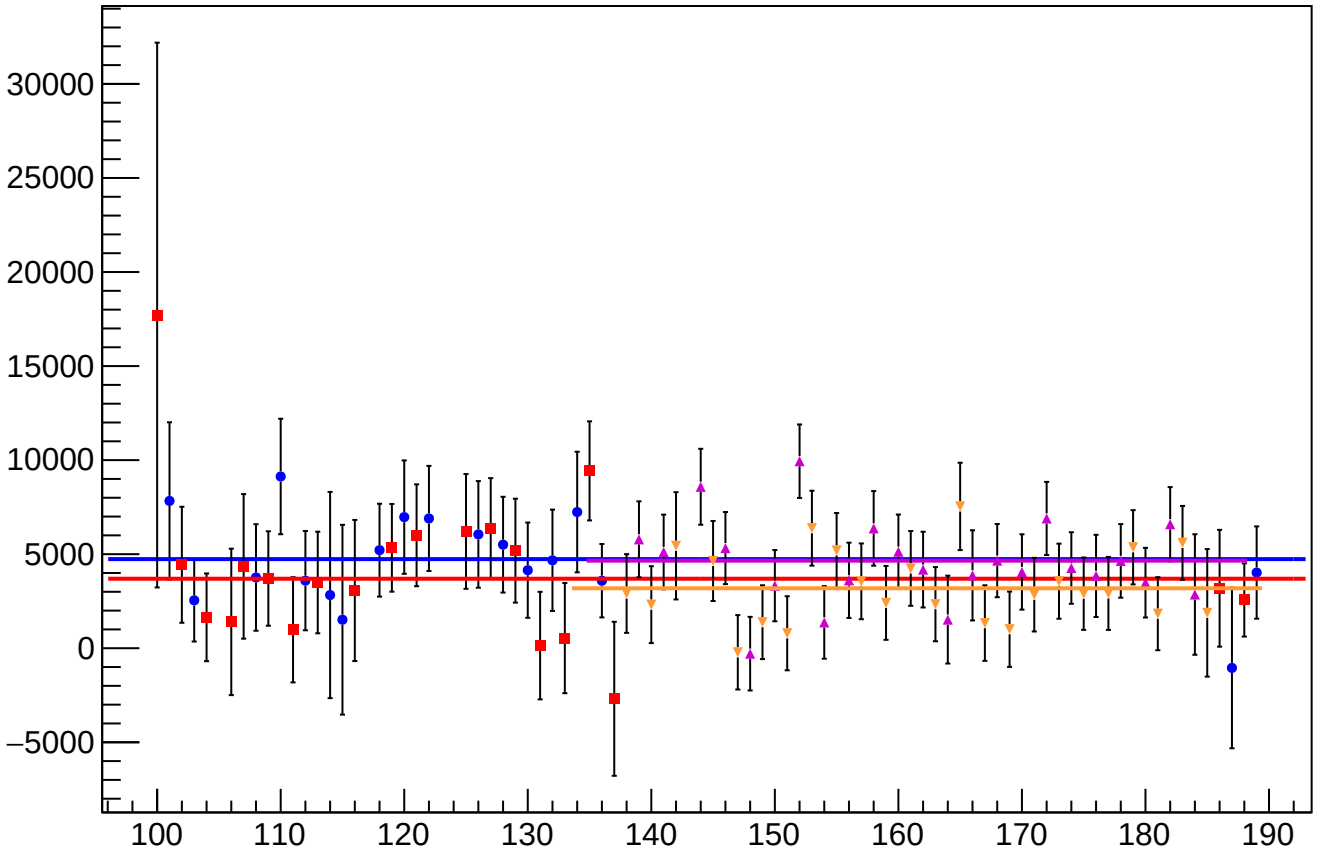
In: 361.806+/-0.056 χ^2/NDF:9849831.1/40

Out: 283.970+/-0.047 χ^2/NDF:16184617.2/43

All: 316.233+/-0.036 χ^2/NDF: 27147759.0/84


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.3/17
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/19
Left In: 0.000+/-0.000 χ²/NDF:23.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.6/46
Right: -0.000+/-0.000 χ²/NDF: 28.7/37
In: 0.000+/-0.000 χ²/NDF:37.8/40
Out: 0.000+/-0.000 χ²/NDF:34.3/43
All: 0.000+/-0.000 χ²/NDF: 72.6/84


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1953452.1/17
Left Out: 0.000+/-0.000 χ²/NDF:3732870.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 2907799.5/19
Left In: 0.000+/-0.000 χ²/NDF:3665599.9/22
Left: 0.000+/-0.000 χ²/NDF: 7451186.8/46
Right: 0.000+/-0.000 χ²/NDF: 4887959.2/37
In: 0.000+/-0.000 χ²/NDF:7130599.3/40
Out: 0.000+/-0.000 χ²/NDF:7557819.8/43
All: 0.000+/-0.000 χ²/NDF: 14736049.3/84



Right In: 4737.521+/-664.019 χ^2/NDF: 8.9/17

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3695.154+/-641.012 χ^2/NDF: 16.6/19

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

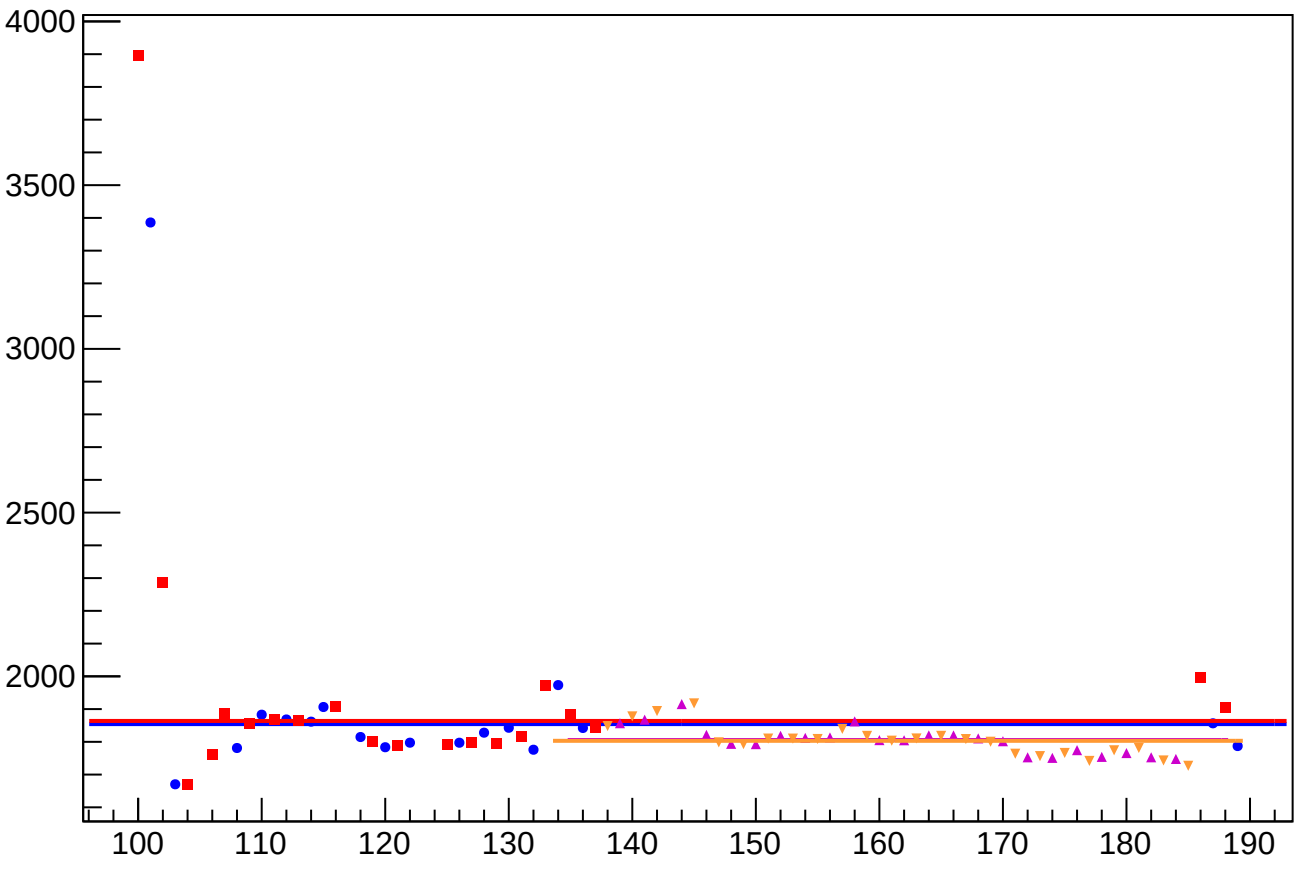
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4197.966+/-461.183 χ^2/NDF: 26.7/37

In: 4678.863+/-355.975 χ^2/NDF:36.6/40

Out: 3339.014+/-350.497 χ^2/NDF:36.9/43

All: 3998.550+/-249.753 χ^2/NDF: 80.6/84



Right In: 1854.136+/-0.470 χ^2/NDF: 293945.6/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1863.787+/-0.452 χ^2/NDF: 107319.0/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

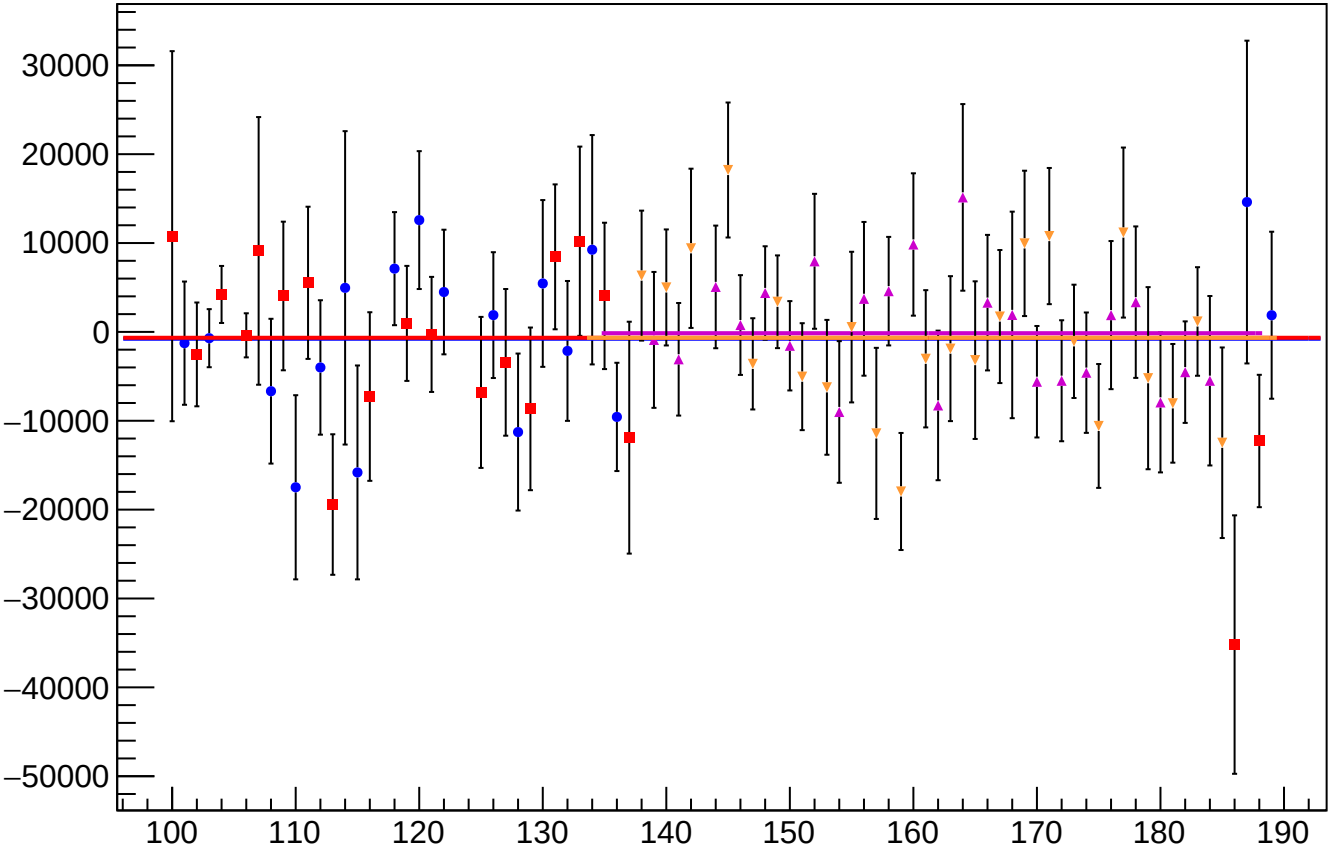
Right: 1859.144+/-0.326 χ^2/NDF: 401483.8/37

In: 1819.519+/-0.252 χ^2/NDF:320887.8/40

Out: 1821.320+/-0.248 χ^2/NDF:140566.1/43

All: 1820.434+/-0.177 χ^2/NDF: 461479.9/84

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -771.785+/-1726.038 χ^2/NDF: 15.6/17

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -659.921+/-1405.795 χ^2/NDF: 23.0/19

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

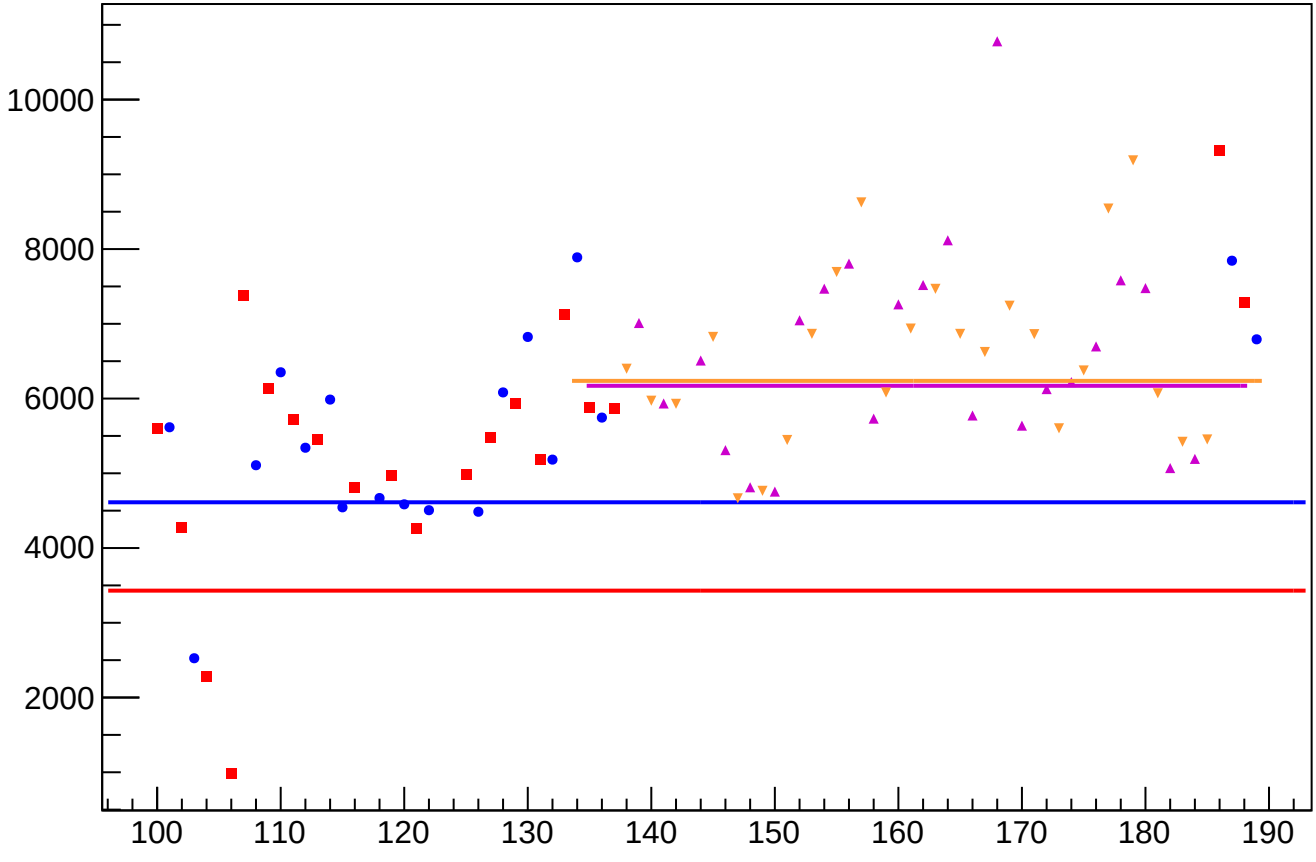
Right: -704.533+/-1090.009 χ^2/NDF: 38.5/37

In: -407.879+/-1119.737 χ^2/NDF:29.2/40

Out: -663.397+/-1018.878 χ^2/NDF:52.8/43

All: -547.662+/-753.596 χ^2/NDF: 82.0/84

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4612.146+/-1.220 χ^2/NDF: 1499552.0/17

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3430.071+/-0.994 χ^2/NDF: 4859614.6/19

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

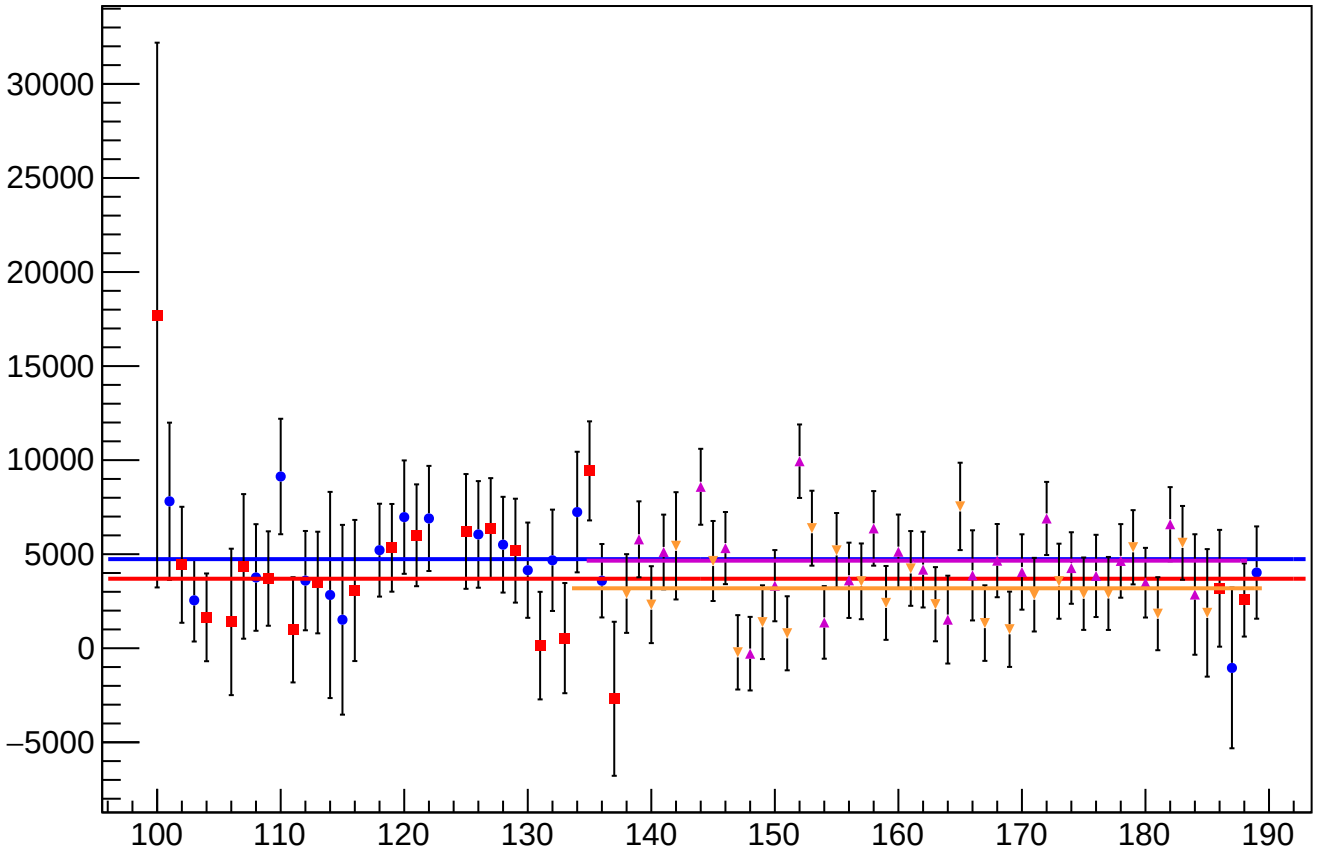
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 3901.487+/-0.771 χ^2/NDF: 6923109.3/37

In: 5514.829+/-0.792 χ^2/NDF:3681628.6/40

Out: 4762.371+/-0.720 χ^2/NDF:9711375.4/43

All: 5103.192+/-0.533 χ^2/NDF: 13887080.0/8



Right In: 4737.131+/-664.020 χ^2/NDF: 8.8/17

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3694.926+/-641.012 χ^2/NDF: 16.6/19

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

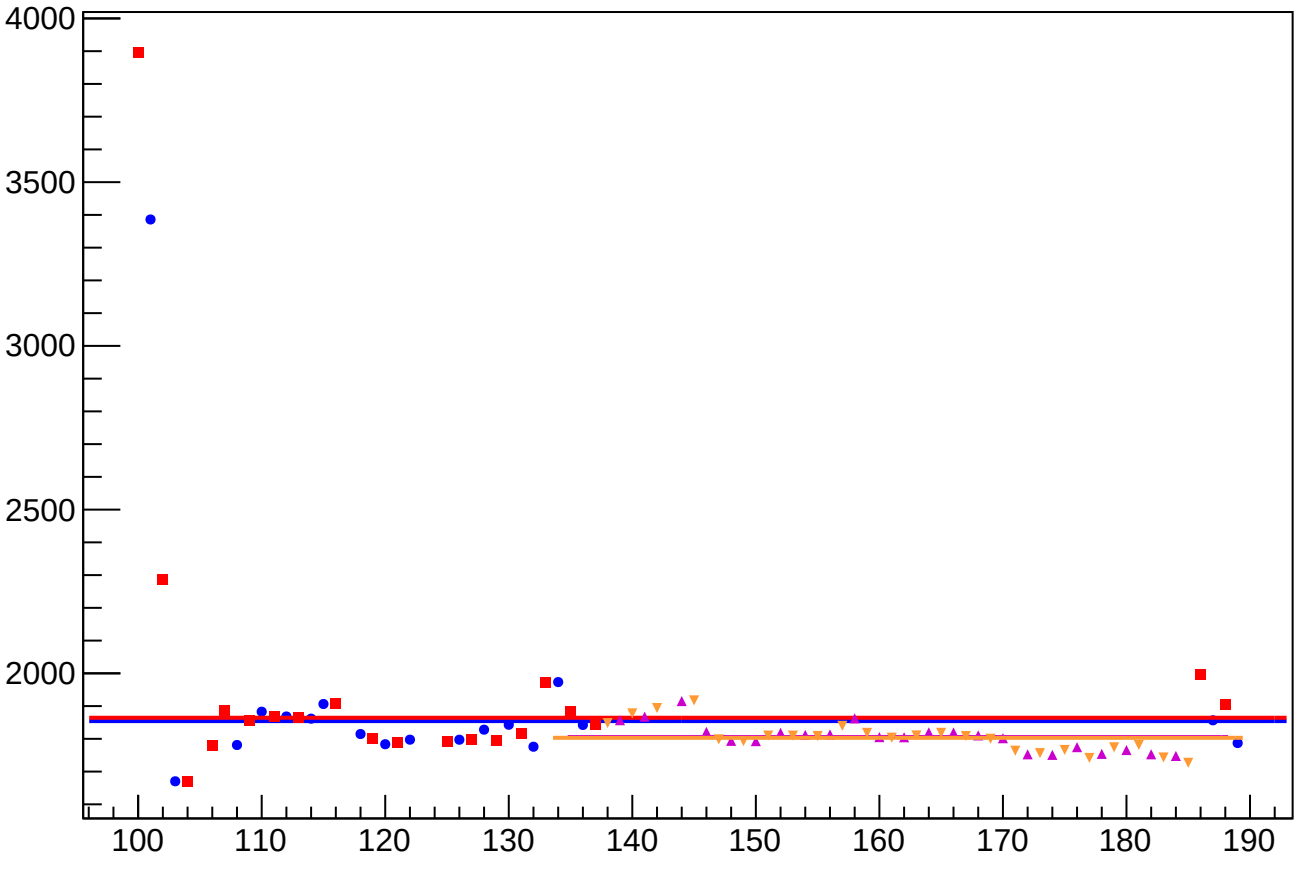
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4197.660+/-461.183 χ^2/NDF: 26.7/37

In: 4678.764+/-355.975 χ^2/NDF:36.6/40

Out: 3338.898+/-350.497 χ^2/NDF:36.9/43

All: 3998.443+/-249.753 χ^2/NDF: 80.6/84



Right In: 1854.136+/-0.470 χ^2/NDF: 293947.5/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1864.392+/-0.452 χ^2/NDF: 106788.2/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

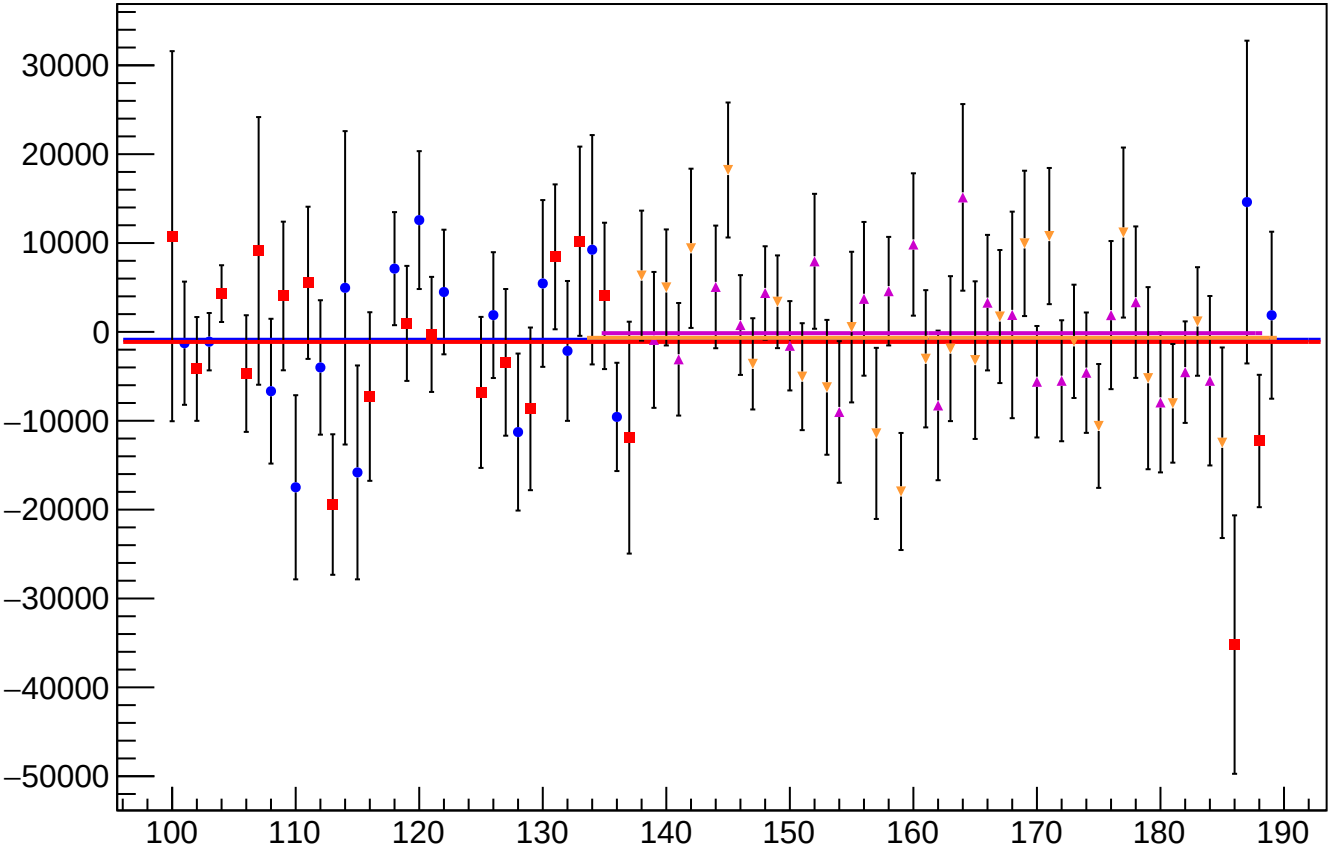
Right: 1859.457+/-0.326 χ^2/NDF: 400983.2/37

In: 1819.519+/-0.252 χ^2/NDF:320889.6/40

Out: 1821.495+/-0.248 χ^2/NDF:140283.3/43

All: 1820.523+/-0.177 χ^2/NDF: 461204.2/84

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -883.780+/-1720.132 χ^2/NDF: 15.6/17

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1127.570+/-1648.934 χ^2/NDF: 23.6/19

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

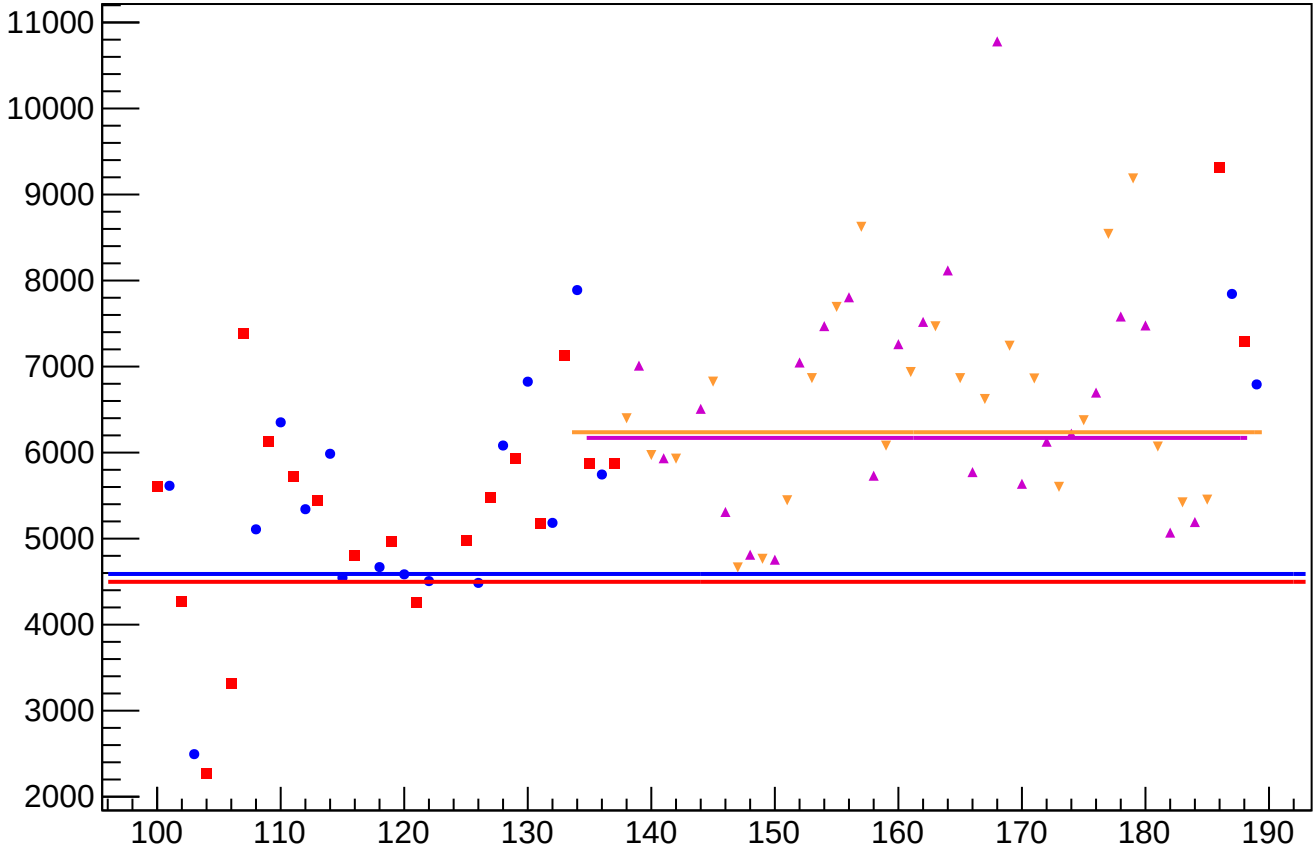
Right: -1010.825+/-1190.347 χ^2/NDF: 39.2/37

In: -456.212+/-1118.120 χ^2/NDF:29.2/40

Out: -872.442+/-1100.921 χ^2/NDF:53.5/43

All: -667.553+/-784.479 χ^2/NDF: 82.8/84

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4589.131+/-1.216 χ^2/NDF: 1543981.3/17

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4497.873+/-1.166 χ^2/NDF: 2080840.0/19

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

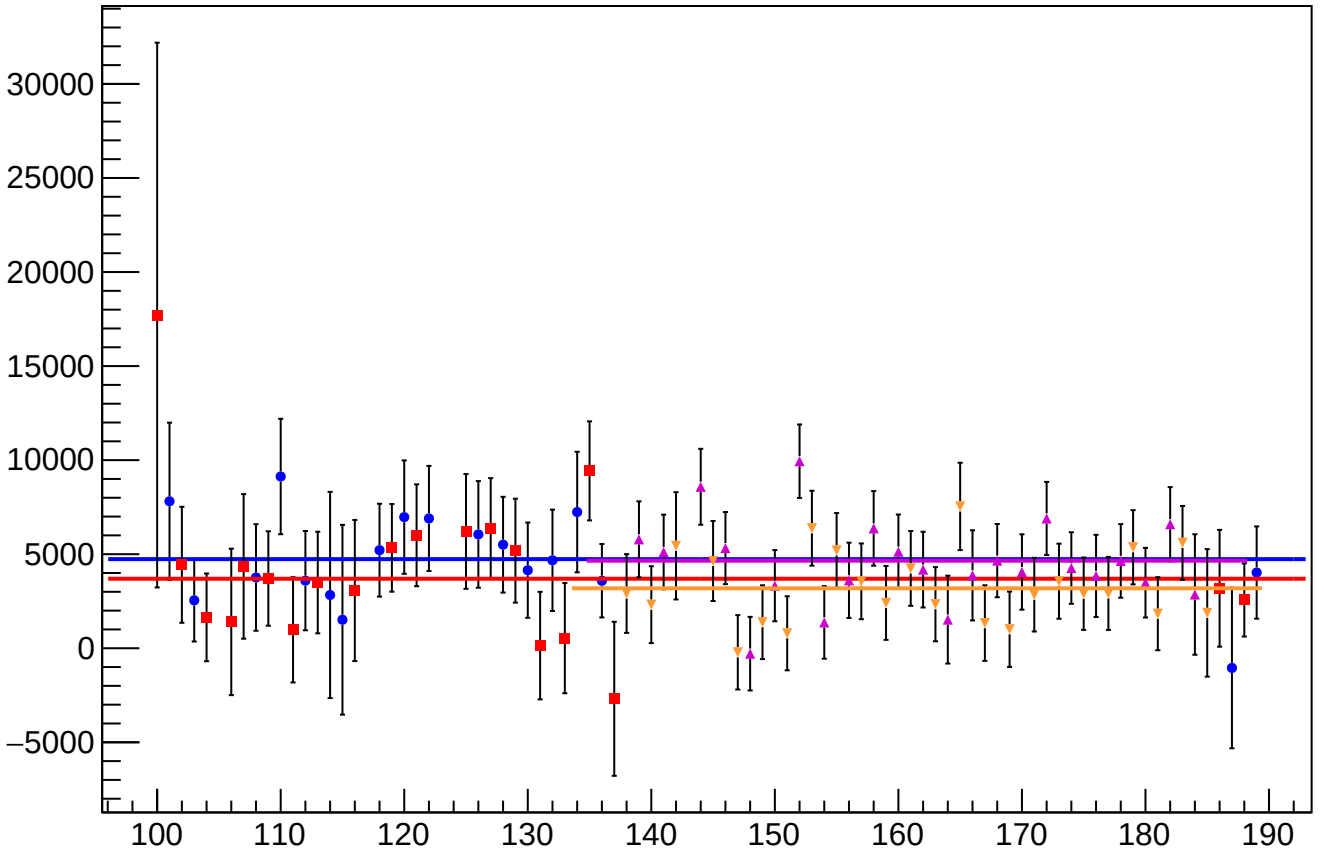
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4541.574+/-0.842 χ^2/NDF: 3627754.9/37

In: 5502.498+/-0.791 χ^2/NDF:3758027.6/40

Out: 5461.556+/-0.778 χ^2/NDF:4381037.7/43

All: 5481.710+/-0.555 χ^2/NDF: 8140426.9/84



Right In: 4737.131+/-664.020 χ^2/NDF: 8.8/17

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3694.926+/-641.012 χ^2/NDF: 16.6/19

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

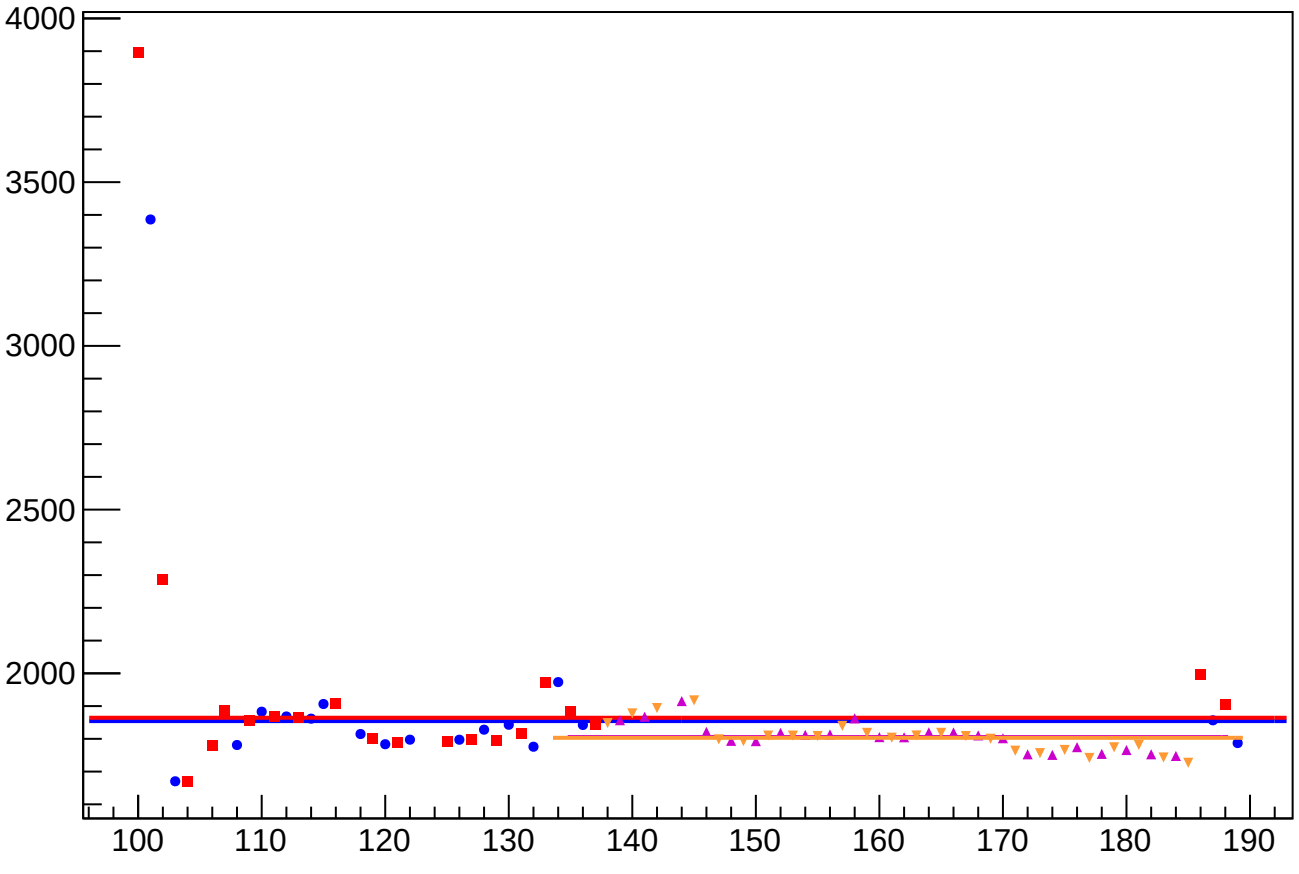
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4197.660+/-461.183 χ^2/NDF: 26.7/37

In: 4678.764+/-355.975 χ^2/NDF:36.6/40

Out: 3338.898+/-350.497 χ^2/NDF:36.9/43

All: 3998.443+/-249.753 χ^2/NDF: 80.6/84



Right In: 1854.136+/-0.470 χ^2/NDF: 293947.5/17

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1864.392+/-0.452 χ^2/NDF: 106788.2/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

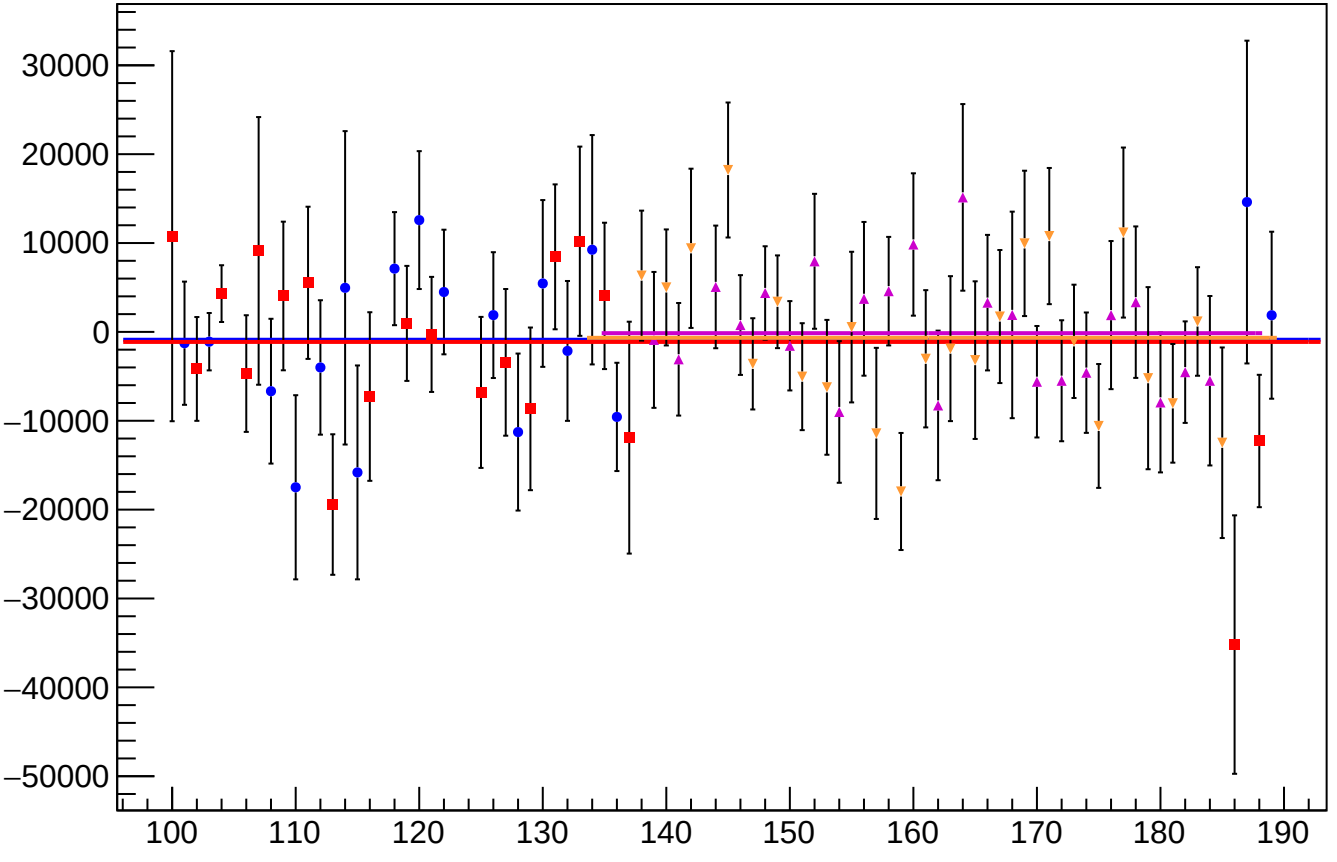
Right: 1859.457+/-0.326 χ^2/NDF: 400983.2/37

In: 1819.519+/-0.252 χ^2/NDF:320889.6/40

Out: 1821.495+/-0.248 χ^2/NDF:140283.3/43

All: 1820.523+/-0.177 χ^2/NDF: 461204.2/84

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -883.780+/-1720.132 χ^2/NDF: 15.6/17

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1127.570+/-1648.934 χ^2/NDF: 23.6/19

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

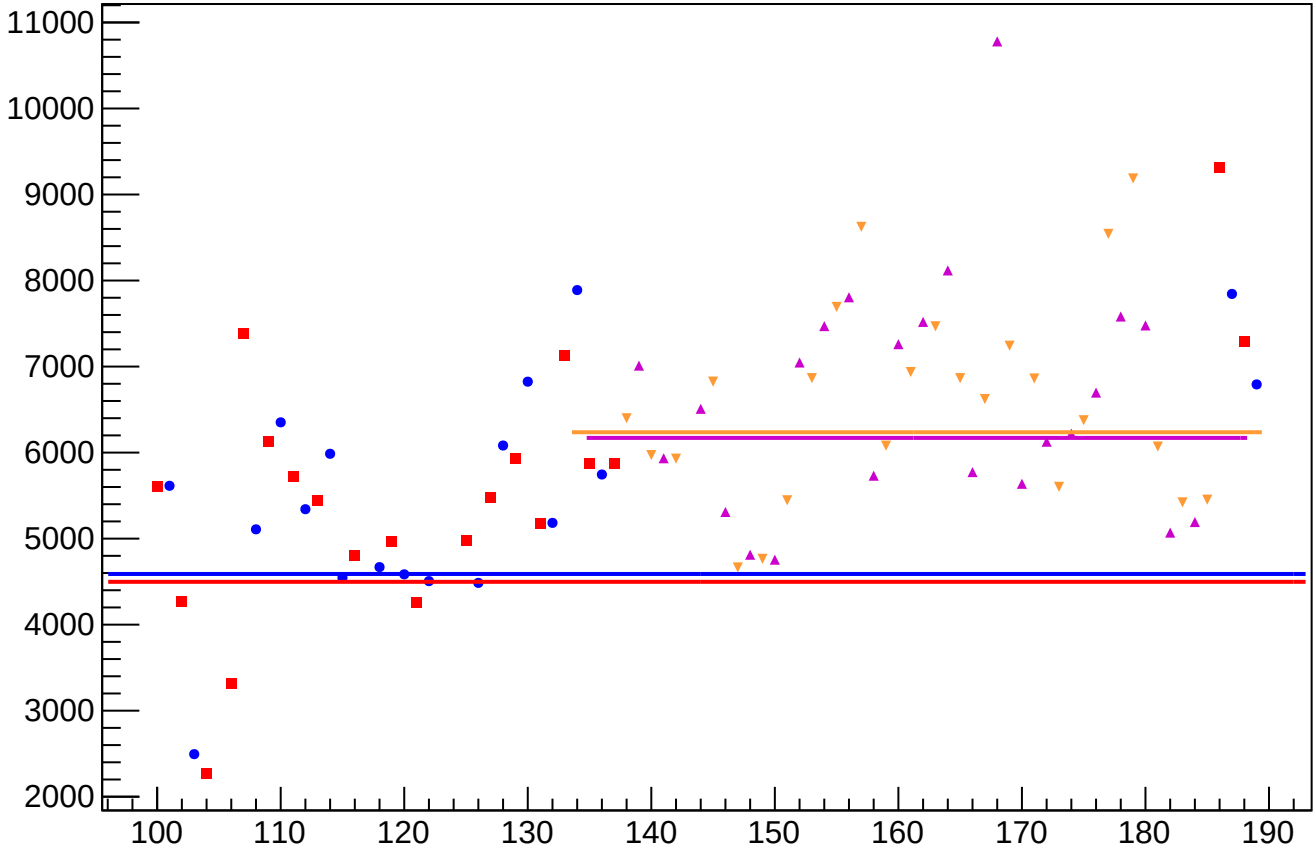
Right: -1010.825+/-1190.347 χ^2/NDF: 39.2/37

In: -456.212+/-1118.120 χ^2/NDF:29.2/40

Out: -872.442+/-1100.921 χ^2/NDF:53.5/43

All: -667.553+/-784.479 χ^2/NDF: 82.8/84

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4589.131+/-1.216 χ^2/NDF: 1543981.3/17

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4497.873+/-1.166 χ^2/NDF: 2080840.0/19

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

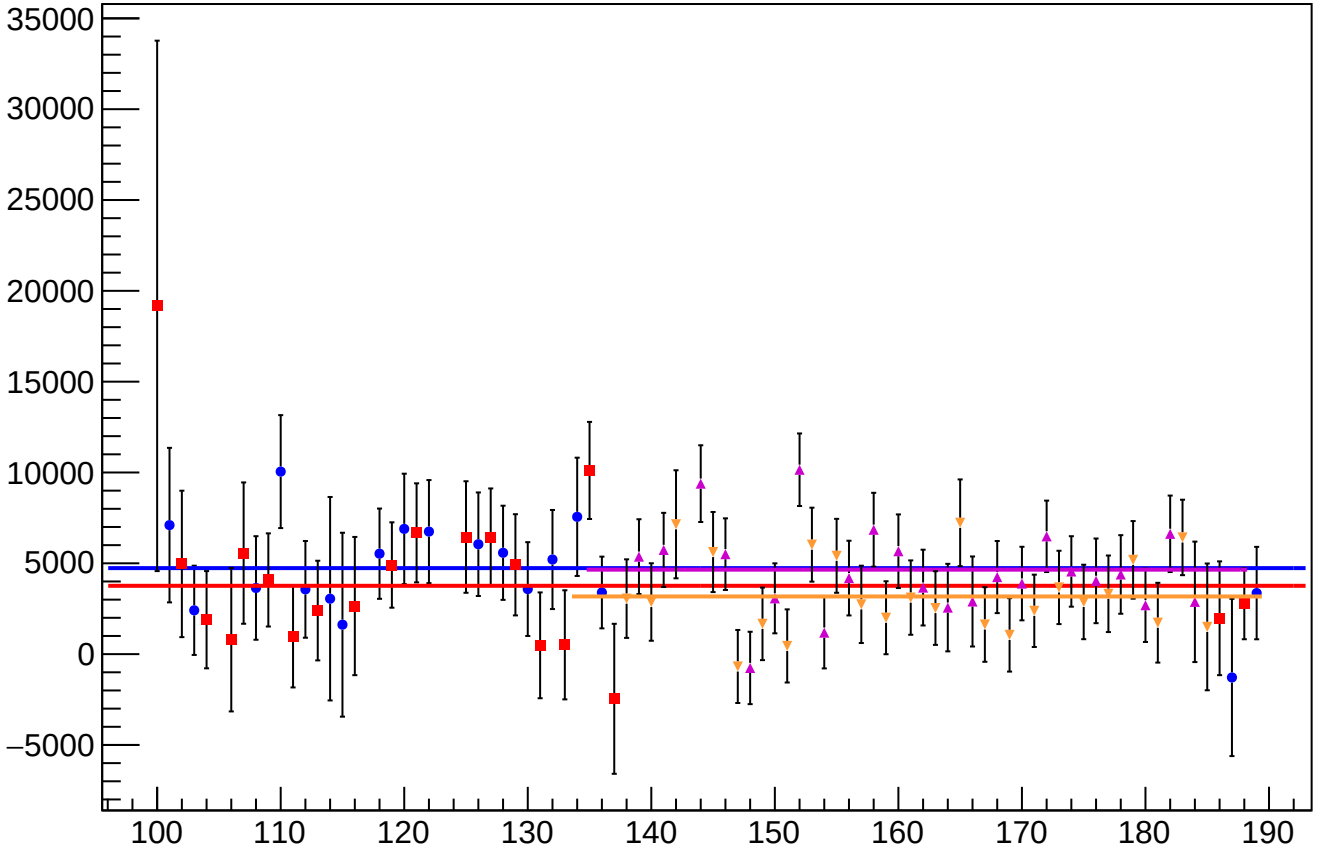
Right: 4541.574+/-0.842 χ^2/NDF: 3627754.9/37

In: 5502.498+/-0.791 χ^2/NDF:3758027.6/40

Out: 5461.556+/-0.778 χ^2/NDF:4381037.7/43

All: 5481.710+/-0.555 χ^2/NDF: 8140426.9/84

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4735.232+/-678.985 χ^2/NDF: 10.0/17

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3762.109+/-659.792 χ^2/NDF: 18.1/19

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

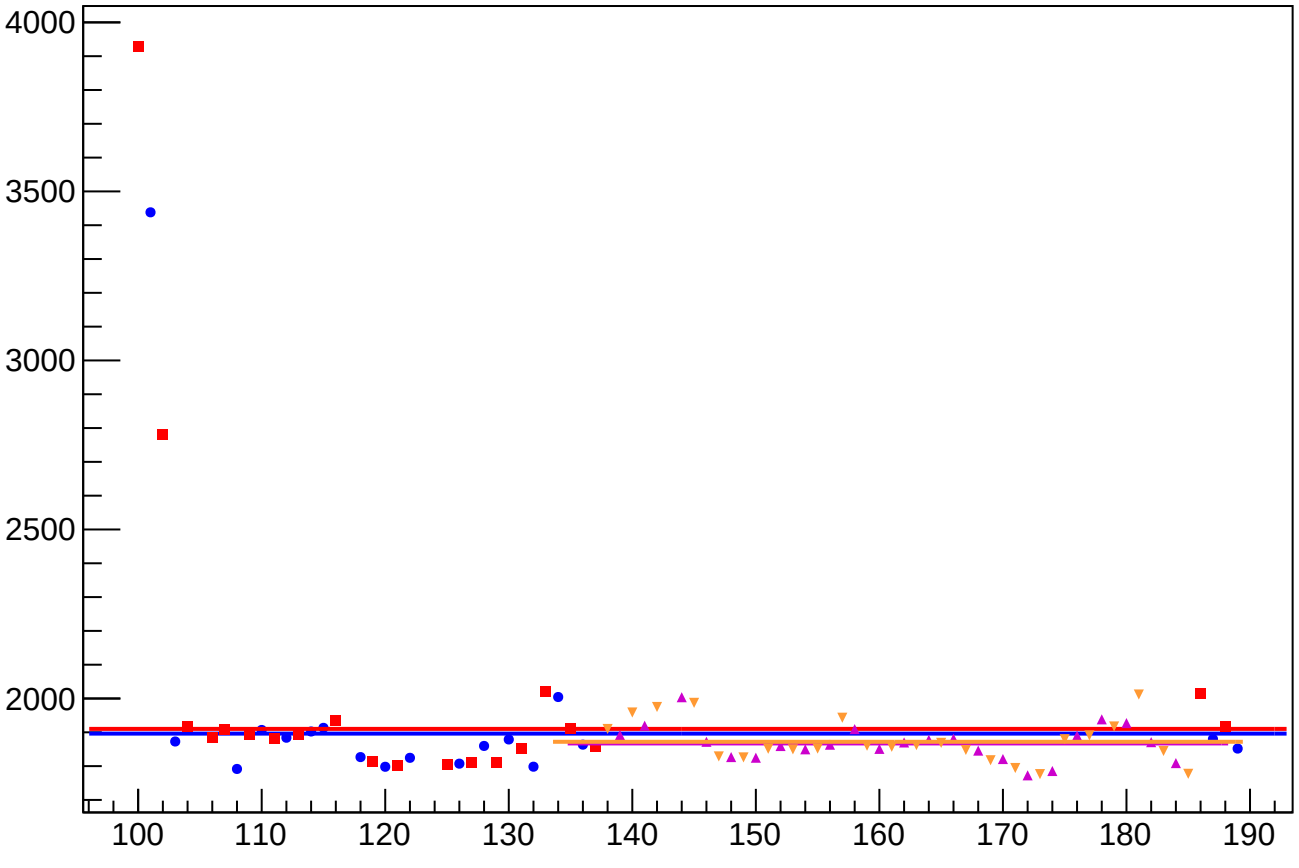
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4234.723+/-473.183 χ^2/NDF: 29.1/37

In: 4675.226+/-366.992 χ^2/NDF:40.6/40

Out: 3352.462+/-363.065 χ^2/NDF:40.2/43

All: 4006.728+/-258.103 χ^2/NDF: 87.3/84



Right In: 1896.186+/-0.480 χ^2/NDF: 279141.8/17

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1910.146+/-0.466 χ^2/NDF: 152511.8/19

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

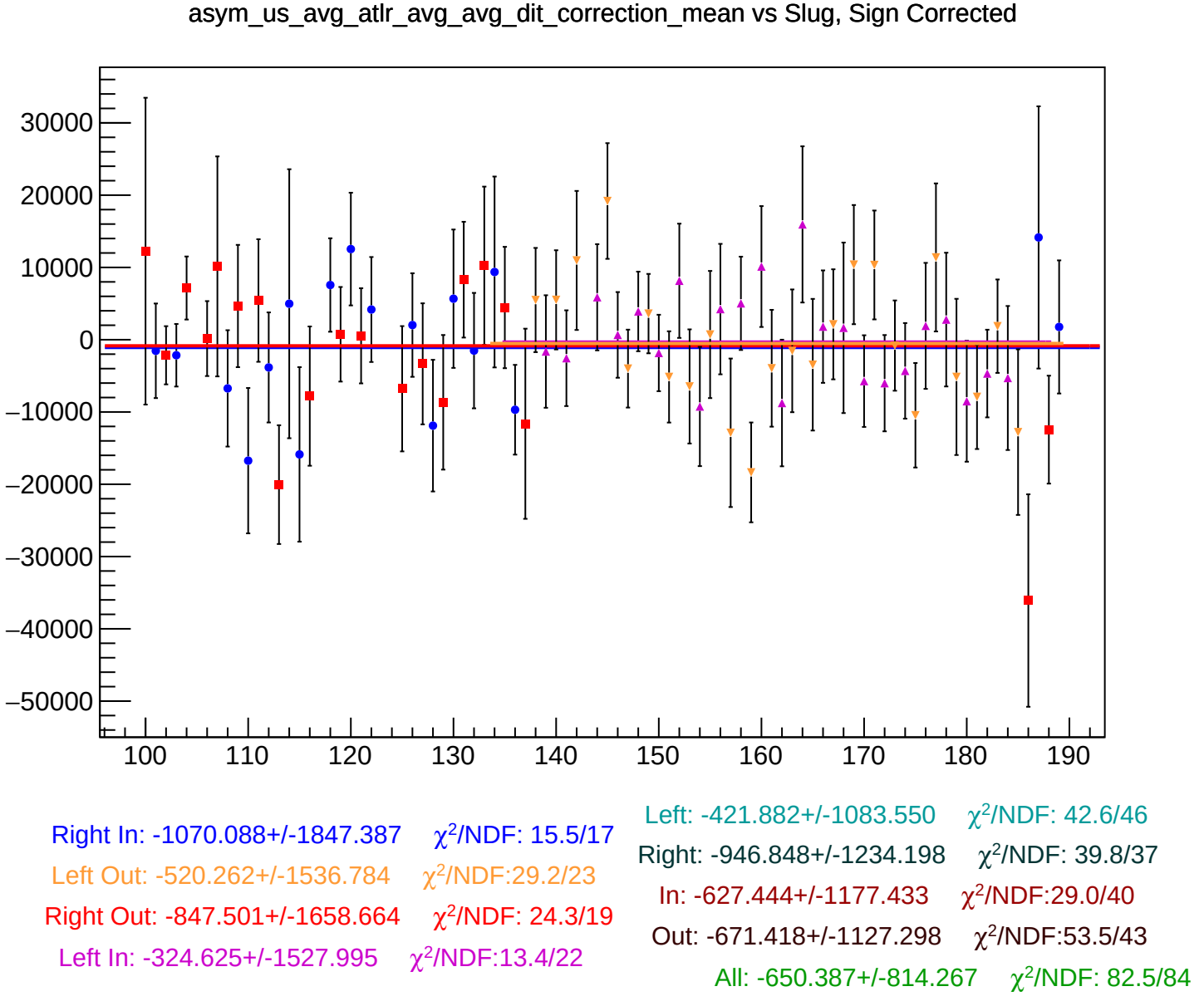
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

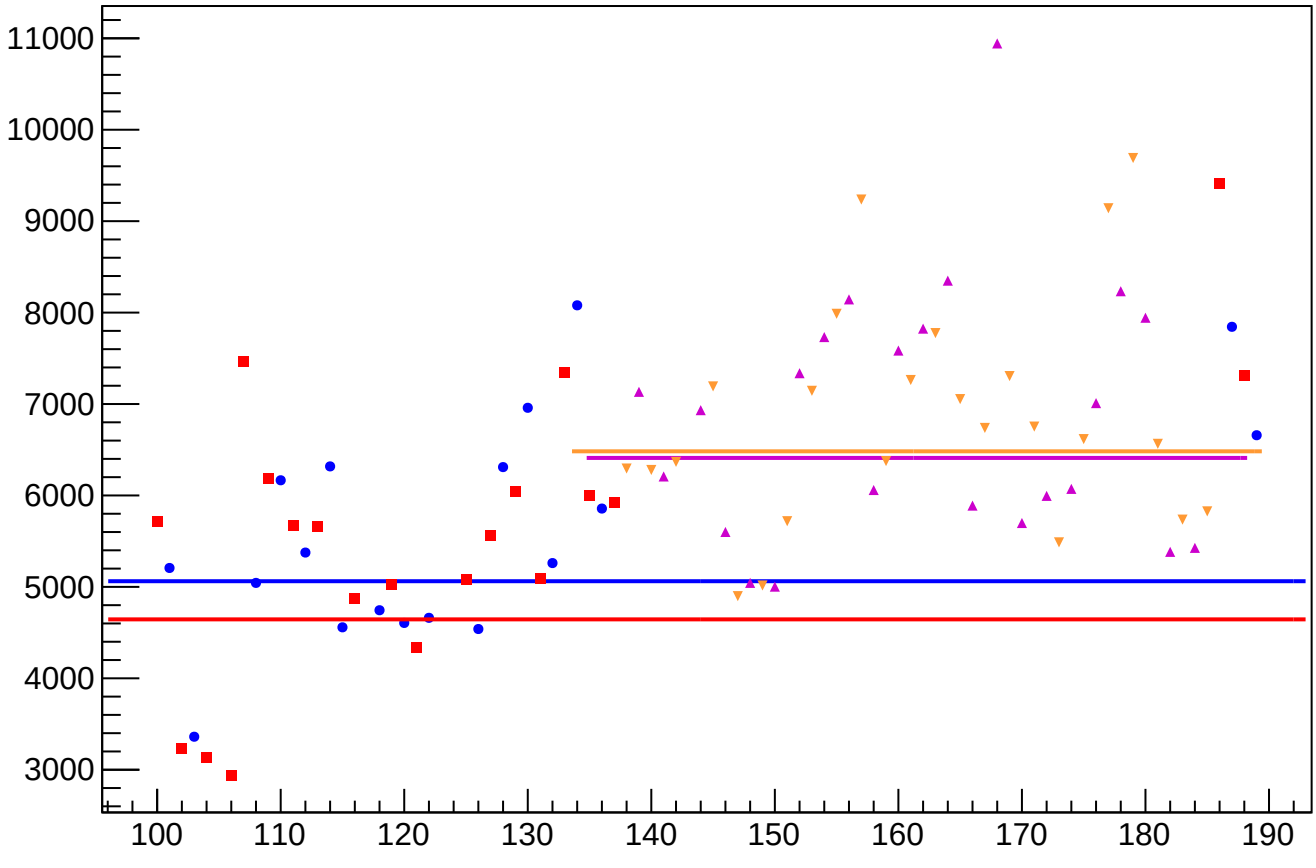
Right: 1903.373+/-0.334 χ^2/NDF: 432088.9/37

In: 1875.582+/-0.260 χ^2/NDF:308990.1/40

Out: 1883.551+/-0.257 χ^2/NDF:194338.6/43

All: 1879.611+/-0.182 χ^2/NDF: 503805.4/84


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1070.088+/-1847.387 χ²/NDF: 15.5/17
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -847.501+/-1658.664 χ²/NDF: 24.3/19
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -946.848+/-1234.198 χ²/NDF: 39.8/37
In: -627.444+/-1177.433 χ²/NDF:29.0/40
Out: -671.418+/-1127.298 χ²/NDF:53.5/43
All: -650.387+/-814.267 χ²/NDF: 82.5/84



Right In: 5062.073+/-1.306 χ^2/NDF: 739909.2/17

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 4644.731+/-1.173 χ^2/NDF: 1652772.3/19

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

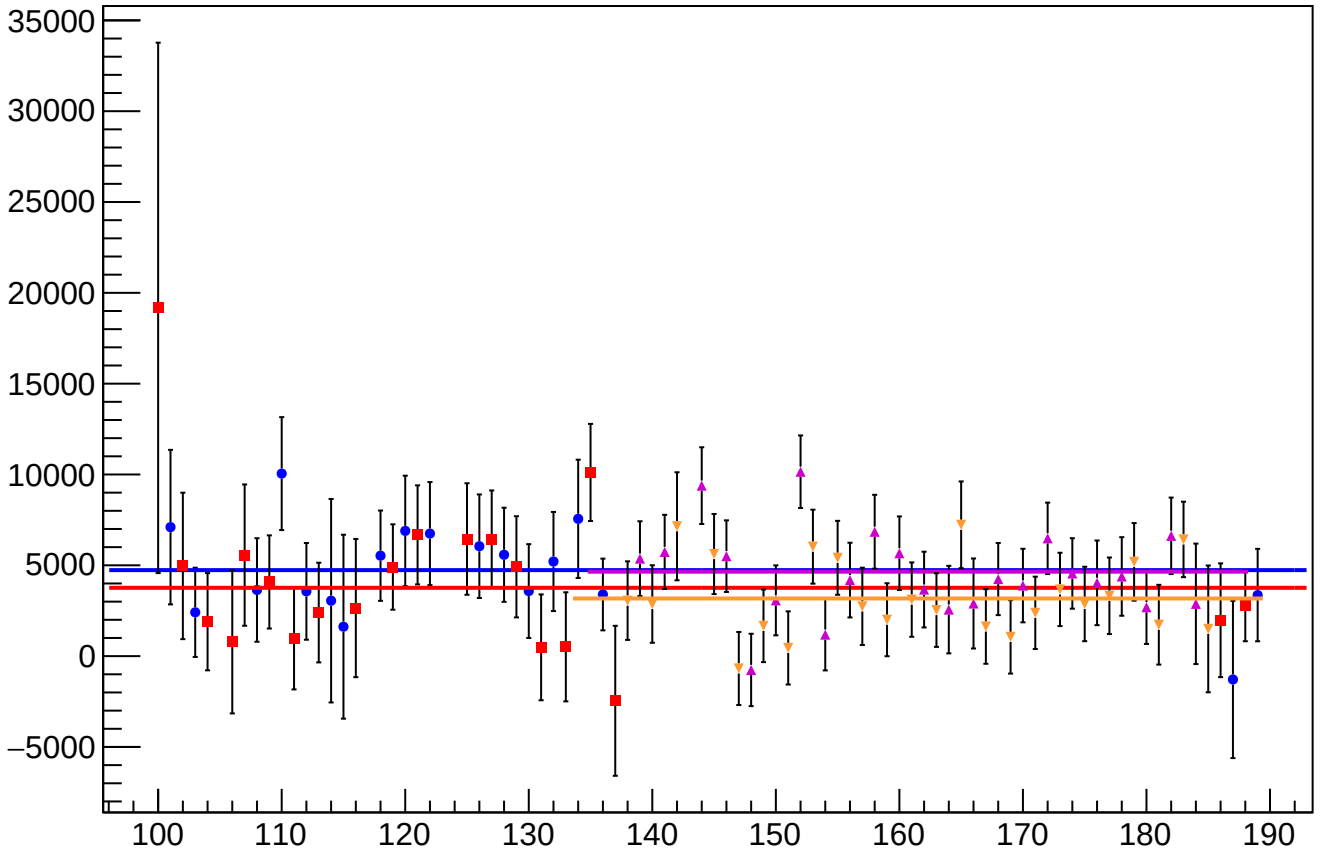
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 4831.003+/-0.873 χ^2/NDF: 2449194.9/37

In: 5862.700+/-0.833 χ^2/NDF:2592362.4/40

Out: 5633.733+/-0.797 χ^2/NDF:4048821.5/43

All: 5743.238+/-0.576 χ^2/NDF: 6680644.1/84



Right In: 4735.232+/-678.984 χ^2/NDF: 10.0/17

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3762.108+/-659.792 χ^2/NDF: 18.1/19

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

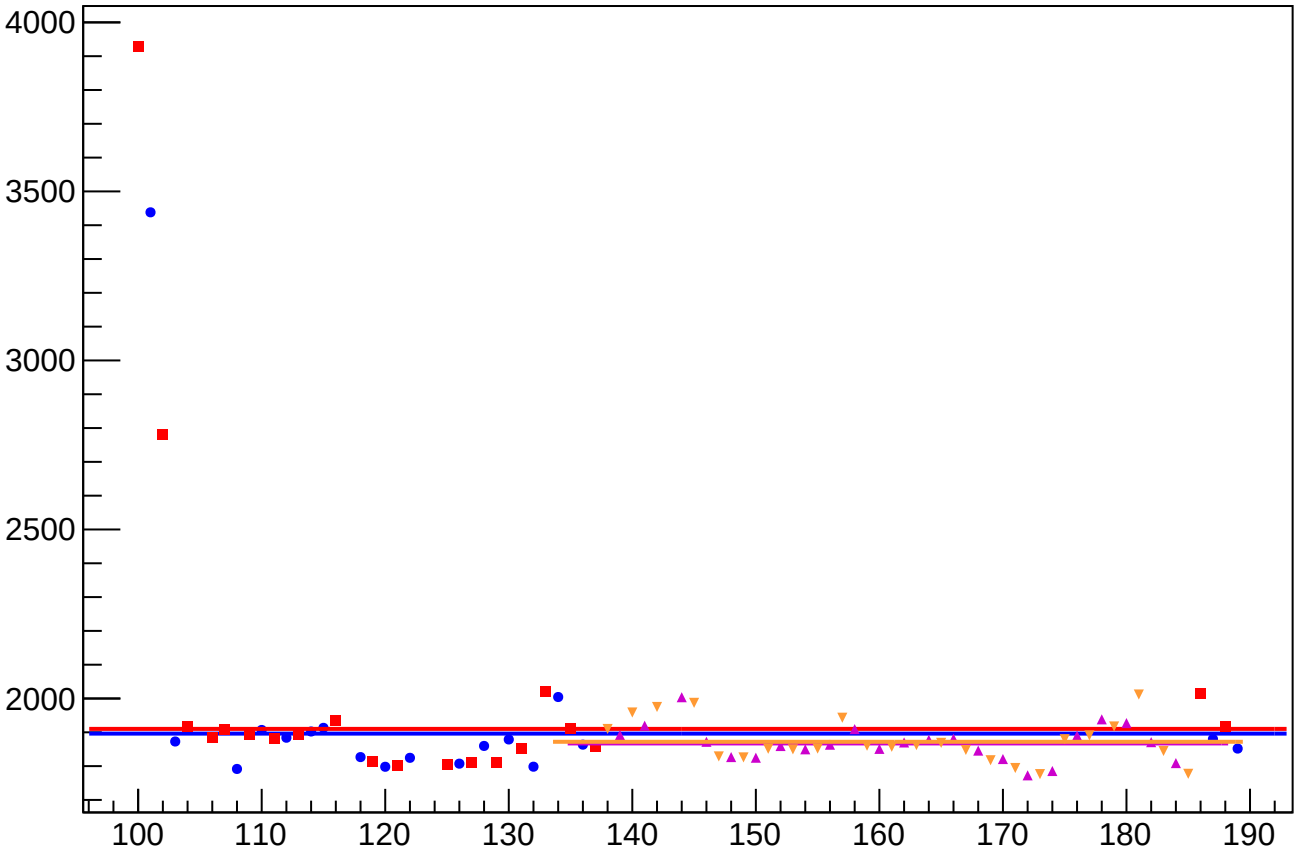
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4234.722+/-473.183 χ^2/NDF: 29.1/37

In: 4675.227+/-366.992 χ^2/NDF:40.6/40

Out: 3352.457+/-363.065 χ^2/NDF:40.2/43

All: 4006.726+/-258.103 χ^2/NDF: 87.3/84



Right In: 1896.185+/-0.480 χ^2/NDF: 279142.0/17

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1910.146+/-0.466 χ^2/NDF: 152511.1/19

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

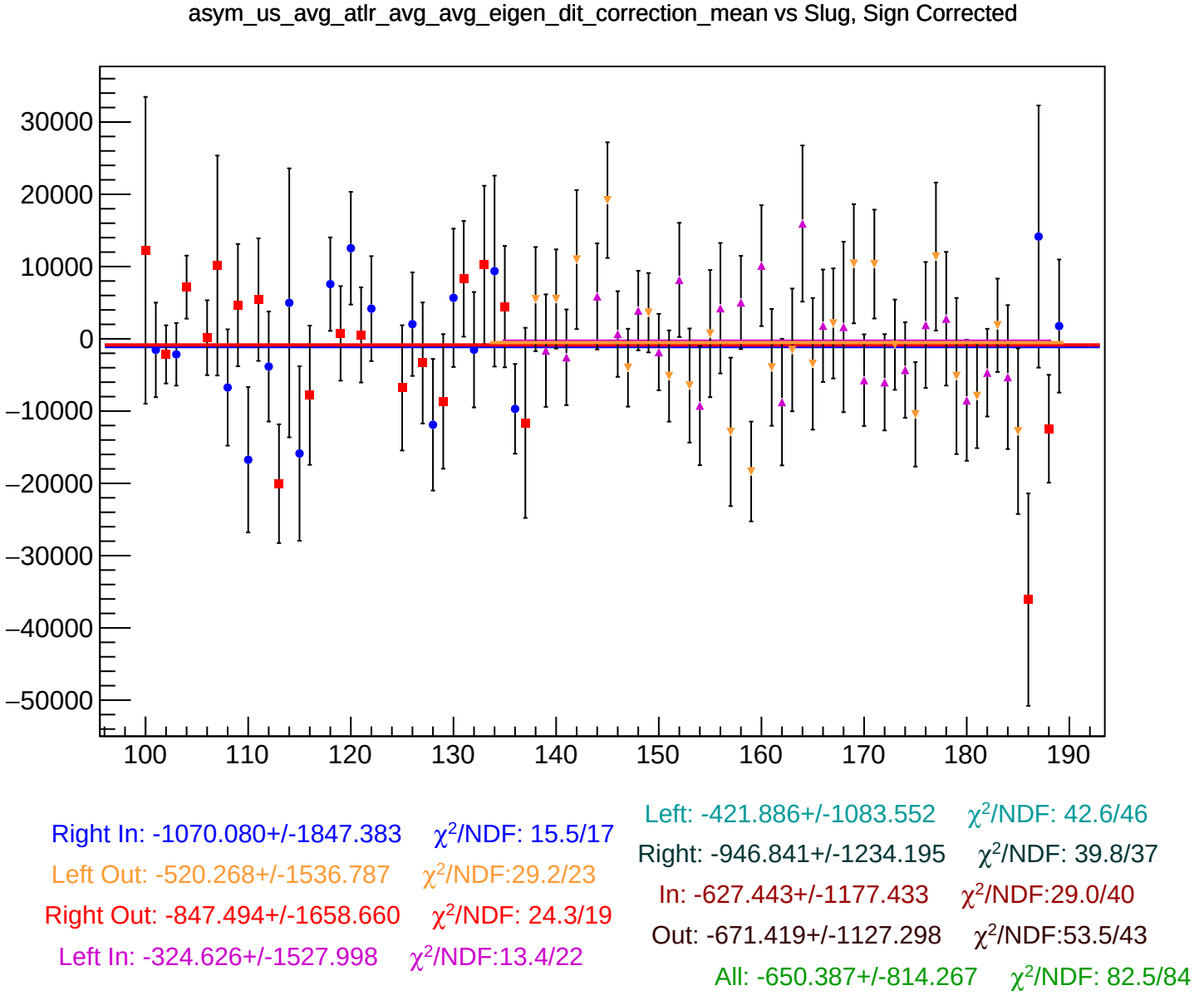
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1903.372+/-0.334 χ^2/NDF: 432088.4/37

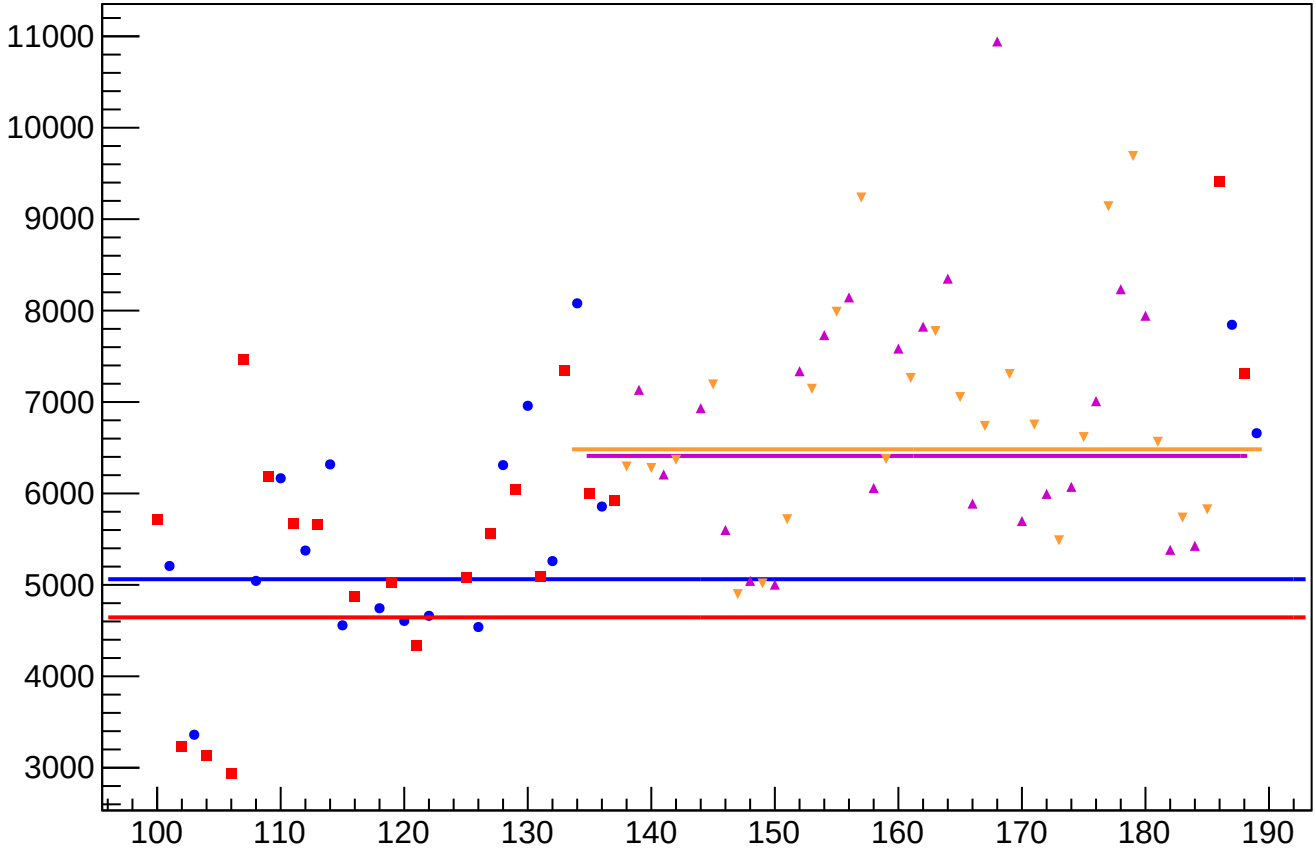
In: 1875.583+/-0.260 χ^2/NDF:308991.2/40

Out: 1883.552+/-0.257 χ^2/NDF:194338.4/43

All: 1879.611+/-0.182 χ^2/NDF: 503806.3/84


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1070.080+/-1847.383 χ²/NDF: 15.5/17
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -847.494+/-1658.660 χ²/NDF: 24.3/19
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: -946.841+/-1234.195 χ²/NDF: 39.8/37
In: -627.443+/-1177.433 χ²/NDF:29.0/40
Out: -671.419+/-1127.298 χ²/NDF:53.5/43
All: -650.387+/-814.267 χ²/NDF: 82.5/84

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5062.061+/-1.306 χ^2/NDF: 739913.9/17

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4644.720+/-1.173 χ^2/NDF: 1652776.4/19

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

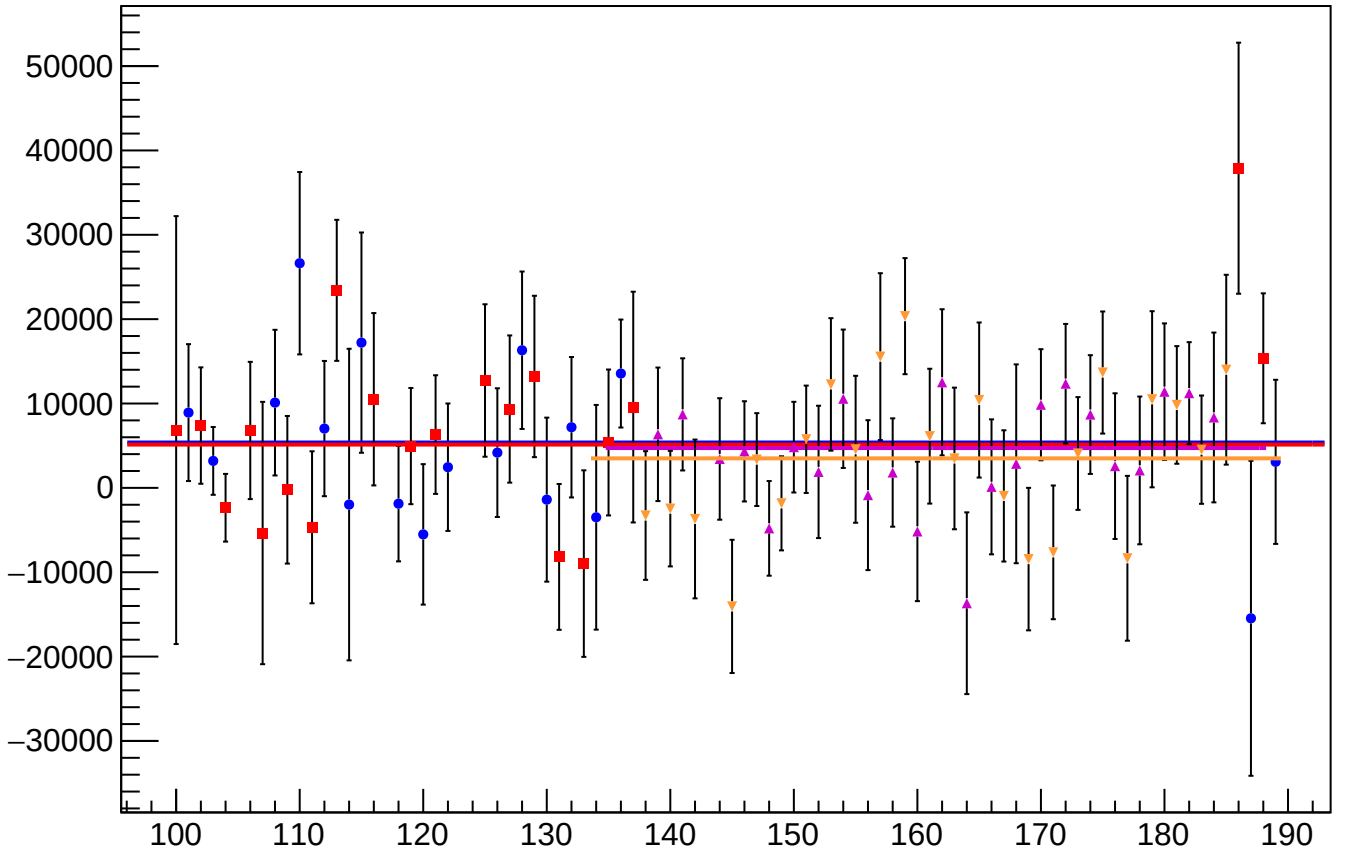
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 4830.991+/-0.873 χ^2/NDF: 2449203.7/37

In: 5862.698+/-0.833 χ^2/NDF:2592392.5/40

Out: 5633.730+/-0.797 χ^2/NDF:4048861.1/43

All: 5743.235+/-0.576 χ^2/NDF: 6680714.3/84



Right In: 5374.911+/-1910.562 χ^2/NDF: 14.0/17

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5131.479+/-1849.053 χ^2/NDF: 23.1/19

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

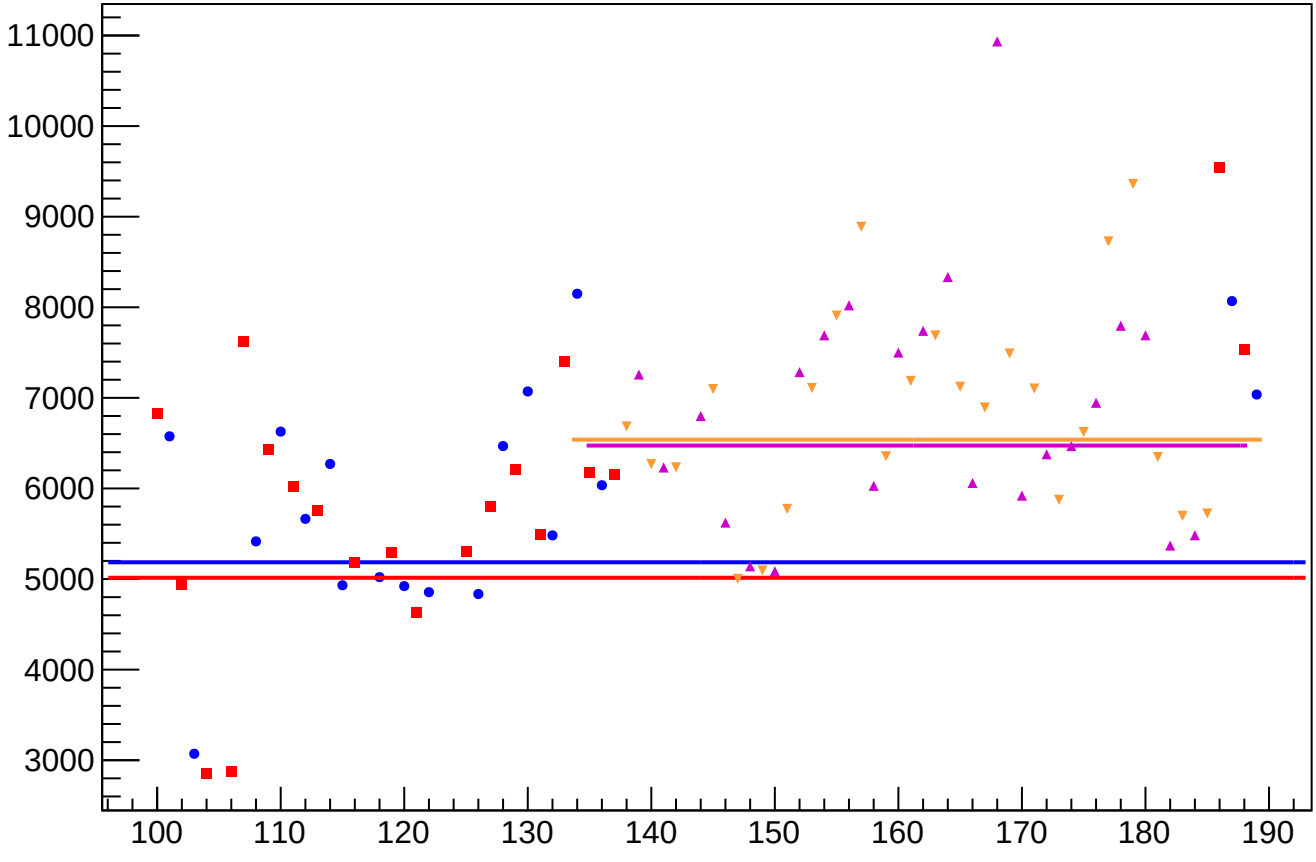
Right: 5249.214+/-1328.691 χ^2/NDF: 37.1/37

In: 4977.476+/-1198.605 χ^2/NDF:28.3/40

Out: 4169.507+/-1185.980 χ^2/NDF:51.0/43

All: 4569.214+/-843.043 χ^2/NDF: 79.6/84

asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected



Right In: 5185.018+/-1.351 χ^2/NDF: 1045320.6/17

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5014.033+/-1.283 χ^2/NDF: 1589604.9/19

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

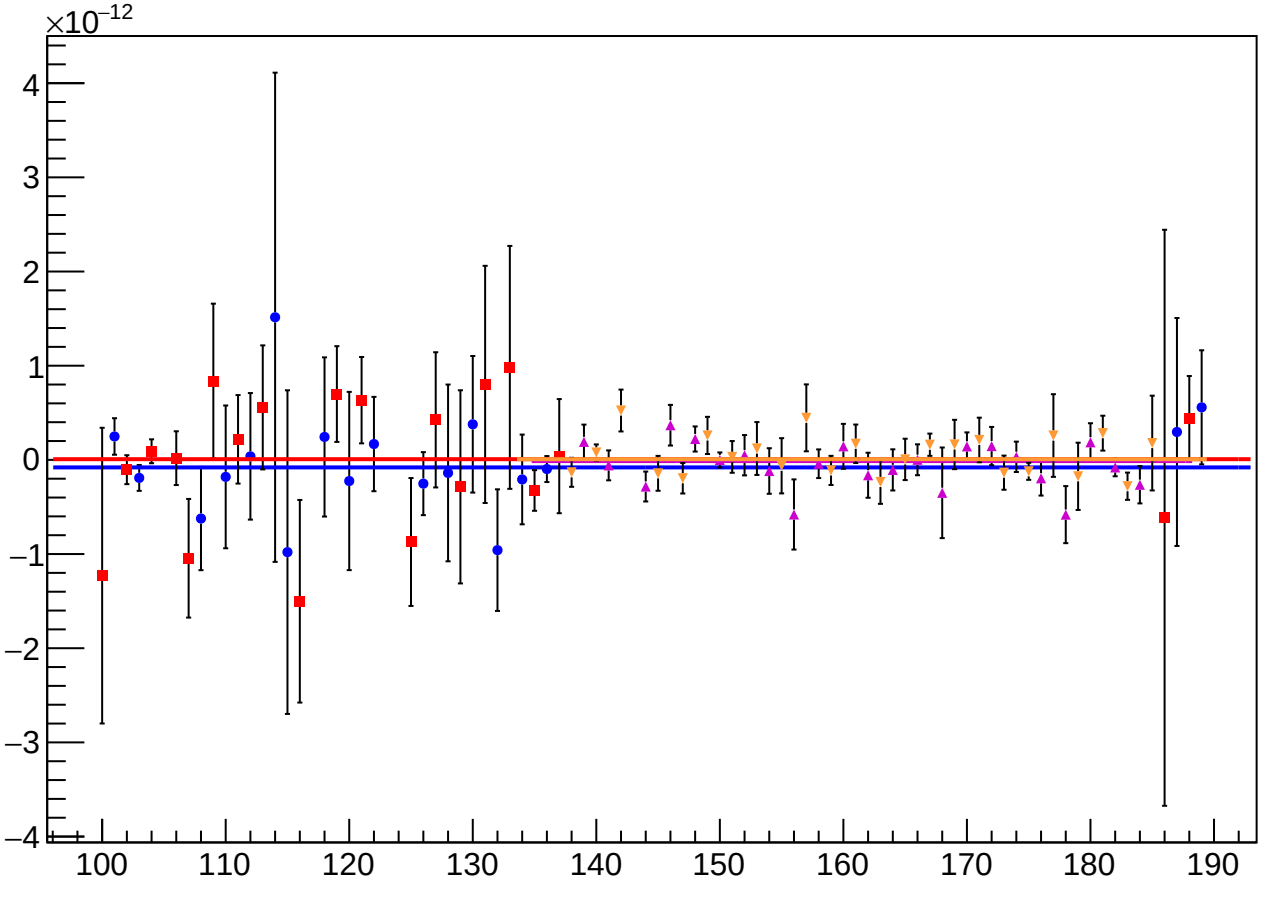
Right: 5095.118+/-0.930 χ^2/NDF: 2643347.9/37

In: 5966.361+/-0.848 χ^2/NDF:2668692.0/40

Out: 5897.477+/-0.832 χ^2/NDF:3328477.8/43

All: 5931.284+/-0.594 χ^2/NDF: 6000533.5/84

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/19

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

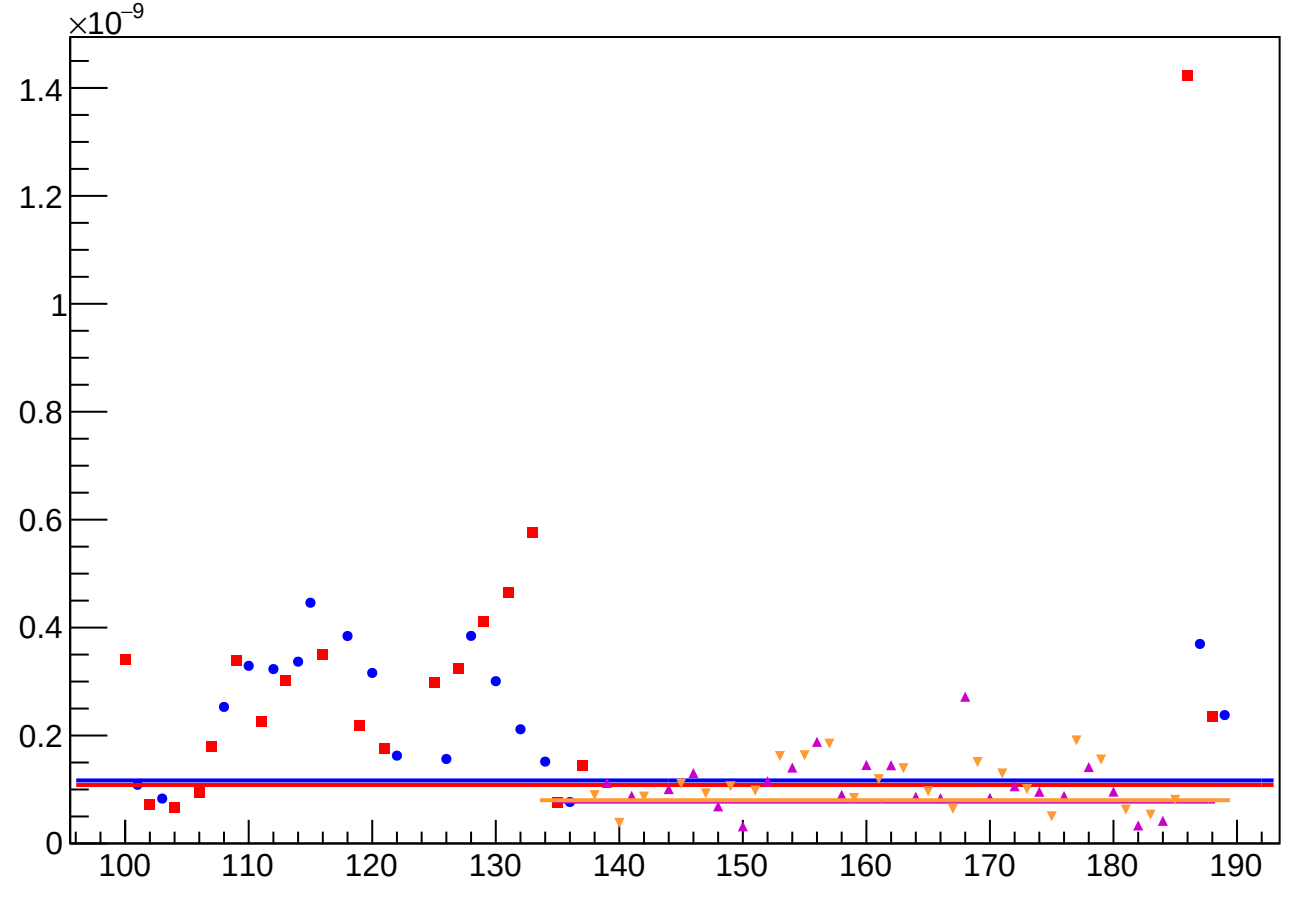
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 28.5/37

In: -0.000+/-0.000 χ^2/NDF:34.0/40

Out: 0.000+/-0.000 χ^2/NDF:45.5/43

All: -0.000+/-0.000 χ^2/NDF: 80.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 1695158.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2622726.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

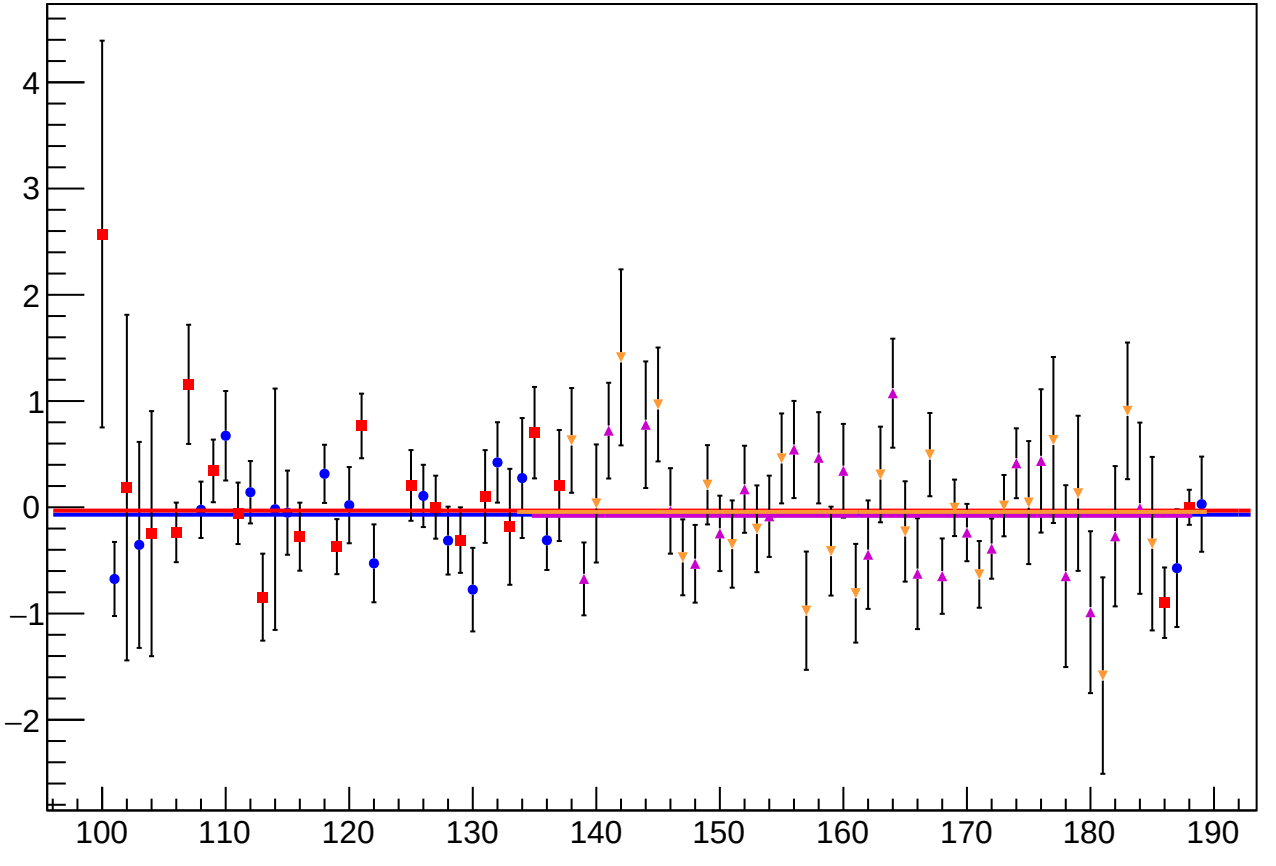
Right: 0.000+/-0.000 χ^2/NDF: 4329942.5/37

In: 0.000+/-0.000 χ^2/NDF:4770590.6/40

Out: 0.000+/-0.000 χ^2/NDF:5004010.9/43

All: 0.000+/-0.000 χ^2/NDF: 9775593.1/84

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

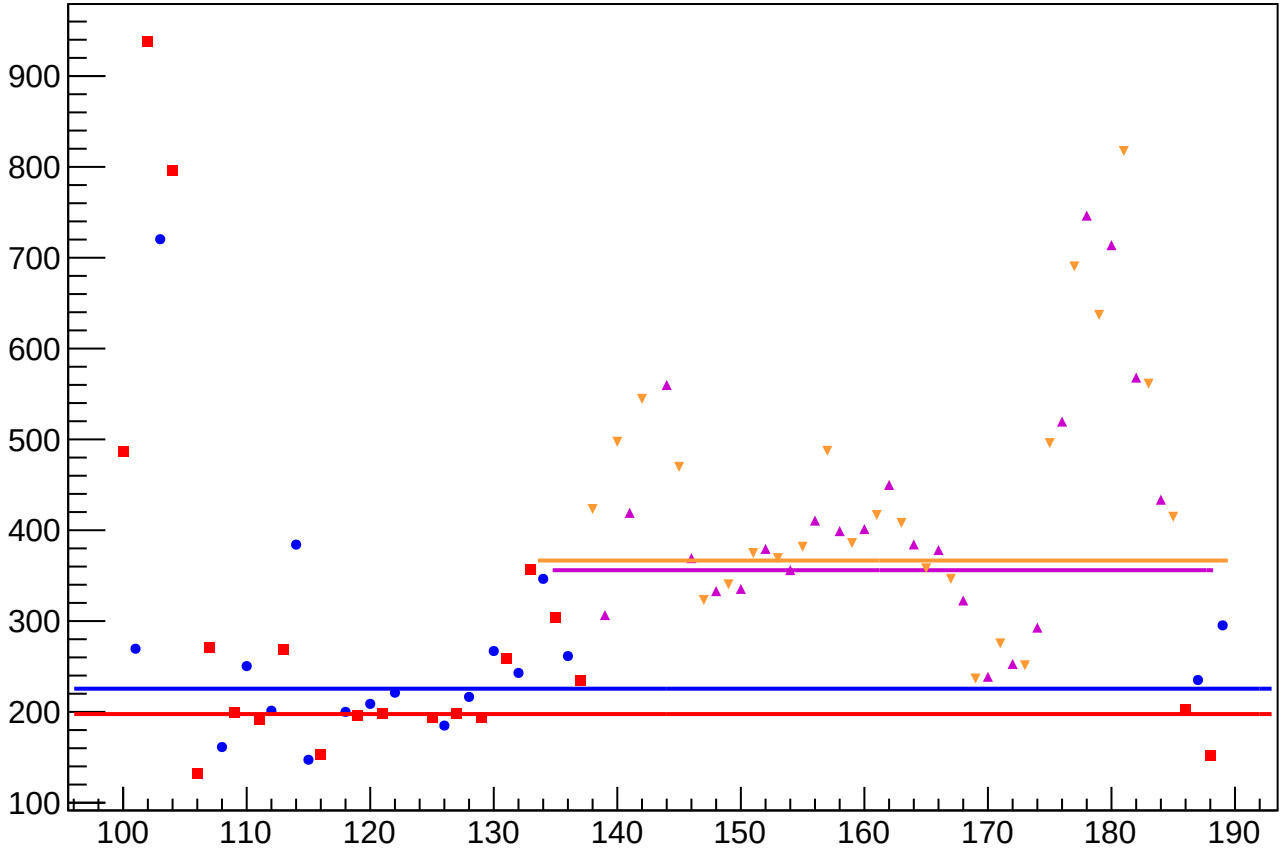
Right: -0.048+/-0.057 χ^2/NDF: 51.7/37

In: -0.075+/-0.061 χ^2/NDF:48.5/40

Out: -0.036+/-0.058 χ^2/NDF:64.3/43

All: -0.054+/-0.042 χ^2/NDF: 113.1/84

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.548+/-0.061 χ^2/NDF: 1070137.2/17

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 197.611+/-0.053 χ^2/NDF: 1744233.2/19

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

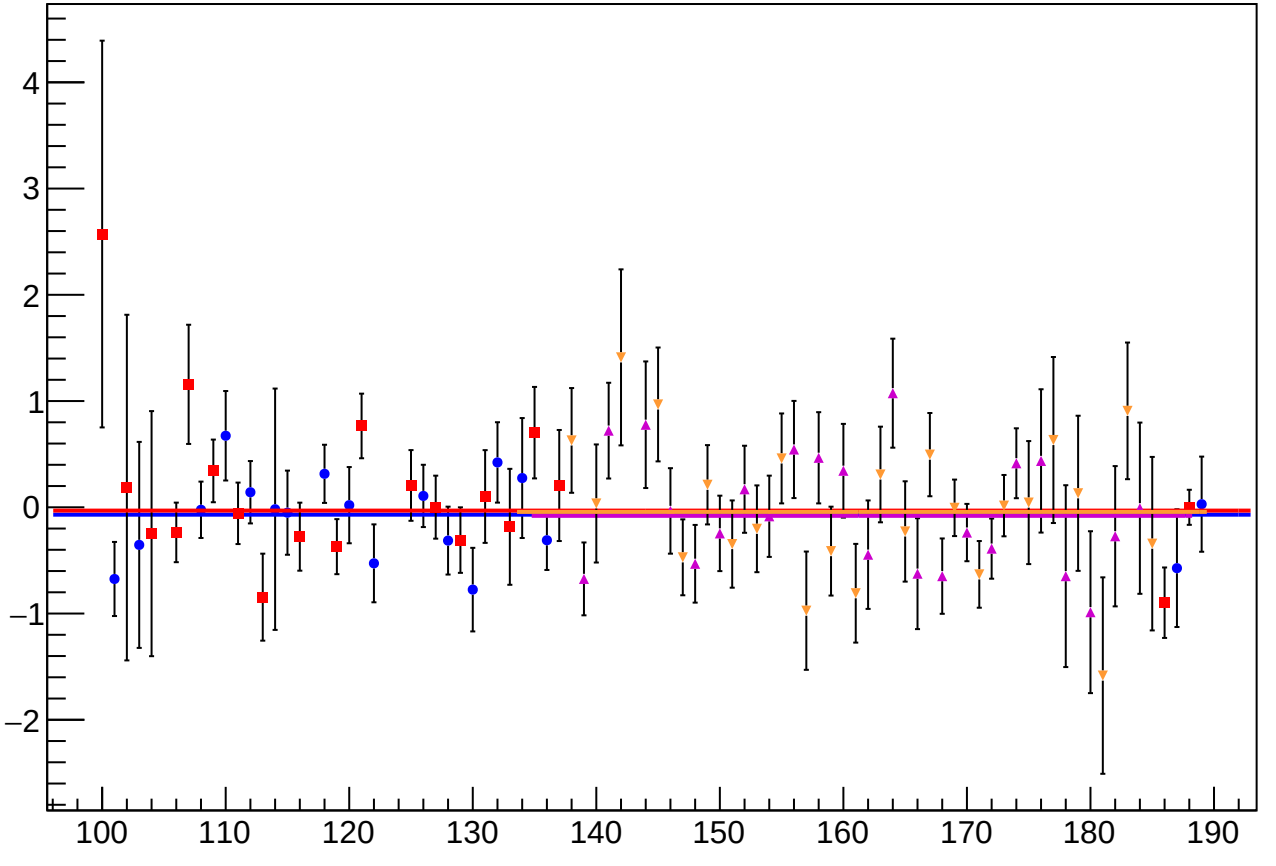
Right: 209.736+/-0.040 χ^2/NDF: 2934048.7/37

In: 289.380+/-0.043 χ^2/NDF:5746817.1/40

Out: 266.742+/-0.041 χ^2/NDF:8714624.5/43

All: 277.387+/-0.030 χ^2/NDF: 14605488.2/84

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

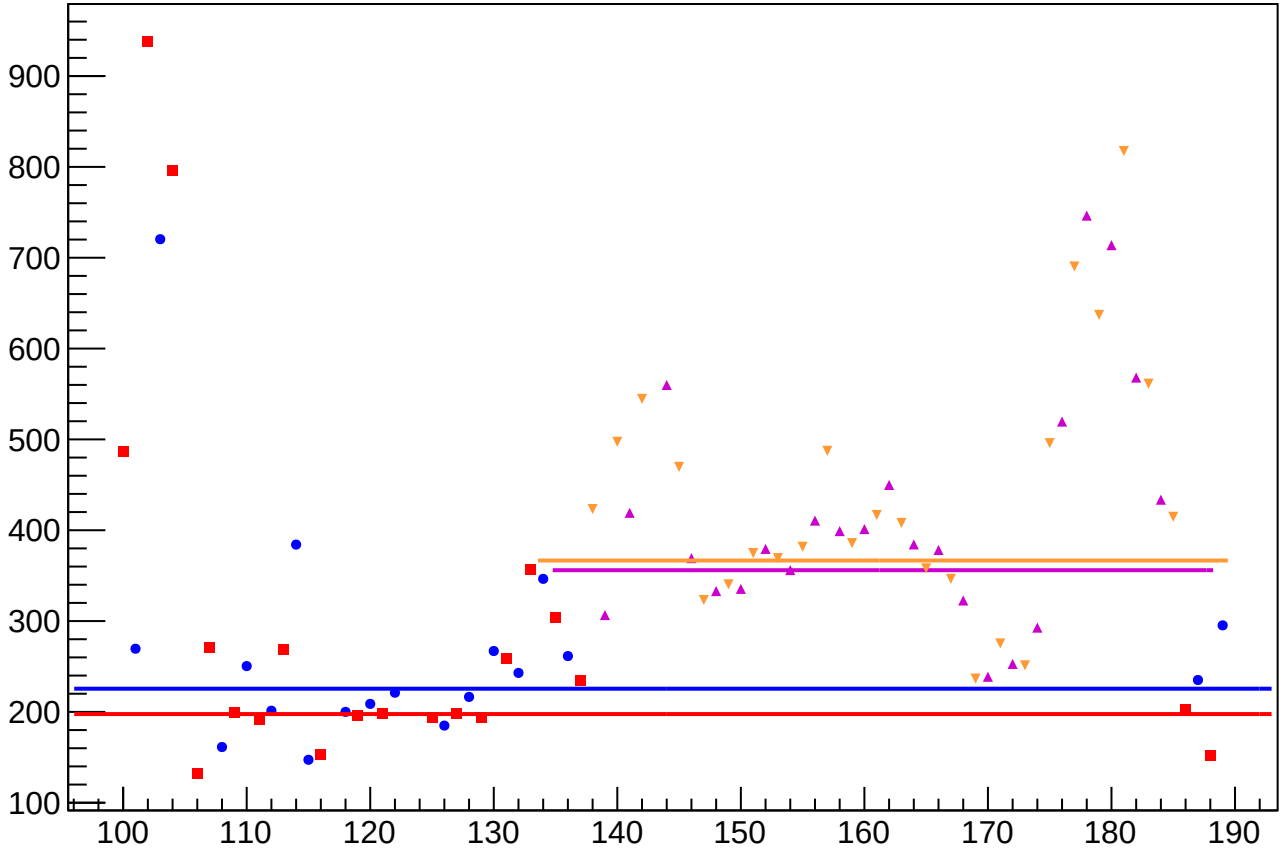
Right: -0.048+/-0.057 χ^2/NDF: 51.7/37

In: -0.075+/-0.061 χ^2/NDF:48.5/40

Out: -0.036+/-0.058 χ^2/NDF:64.3/43

All: -0.054+/-0.042 χ^2/NDF: 113.1/84

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.548+/-0.061 χ^2/NDF: 1070137.2/17

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 197.611+/-0.053 χ^2/NDF: 1744233.2/19

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

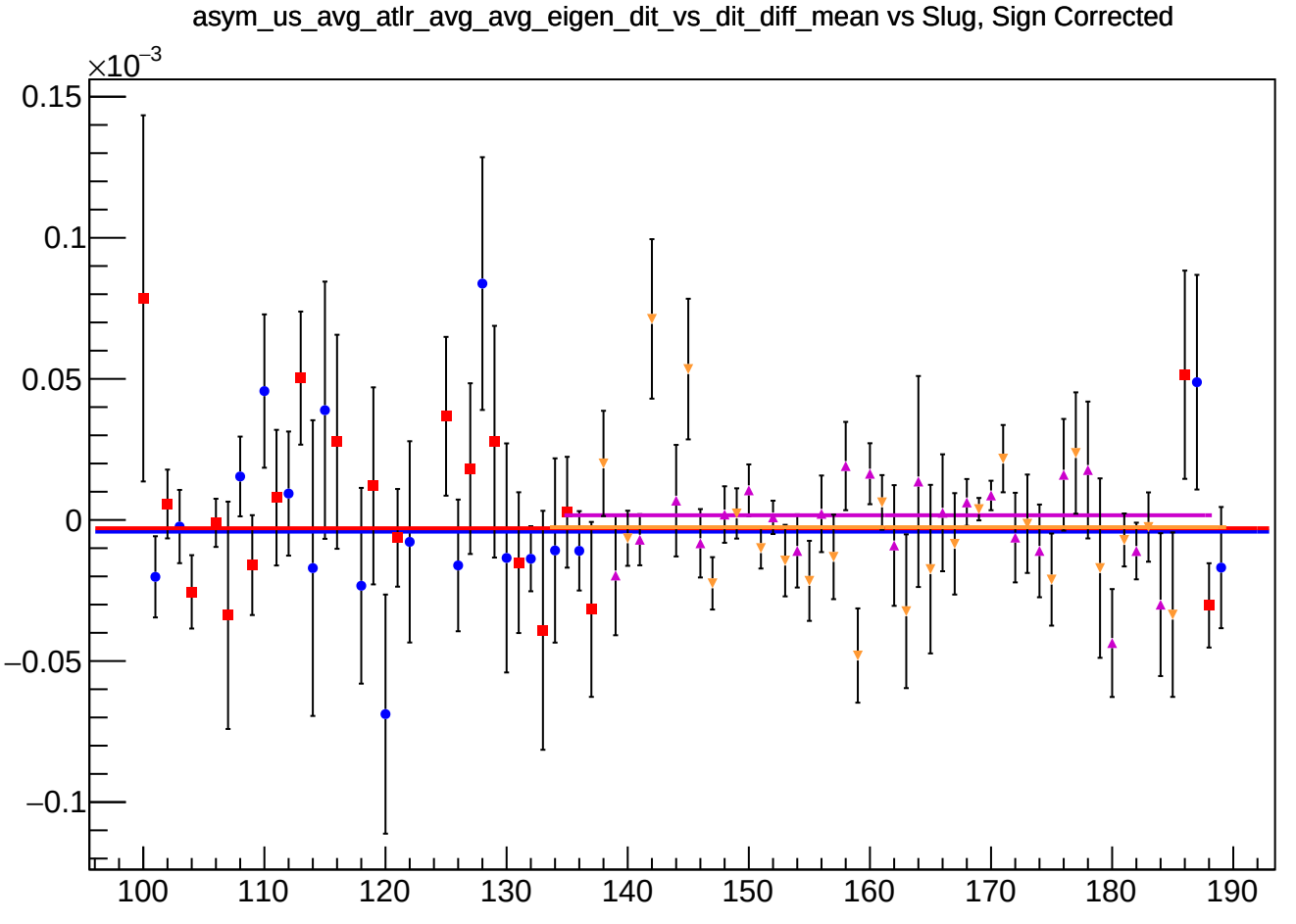
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 209.736+/-0.040 χ^2/NDF: 2934048.7/37

In: 289.380+/-0.043 χ^2/NDF:5746817.1/40

Out: 266.742+/-0.041 χ^2/NDF:8714624.5/43

All: 277.387+/-0.030 χ^2/NDF: 14605488.2/84



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/19

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

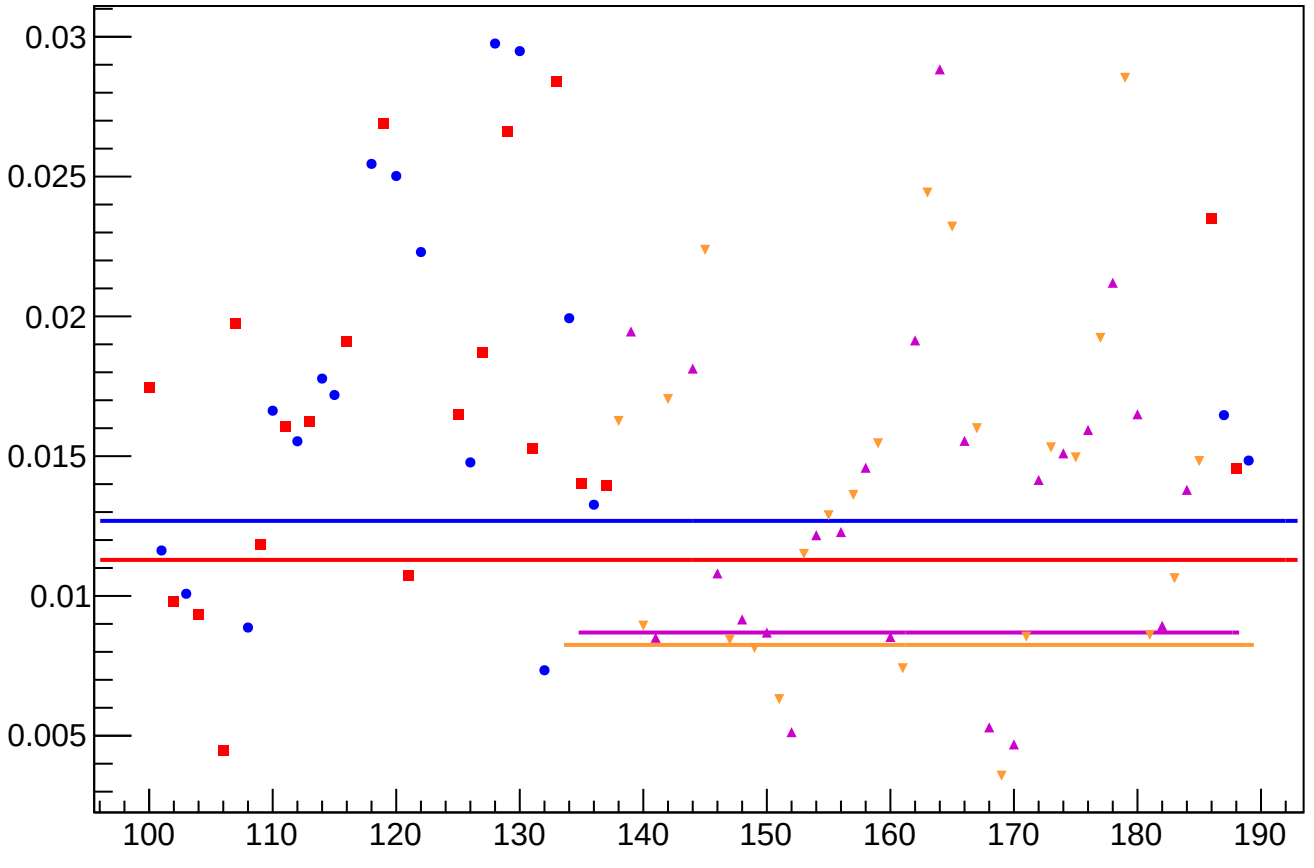
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 40.9/37

In: 0.000+/-0.000 χ^2/NDF:39.8/40

Out: -0.000+/-0.000 χ^2/NDF:66.4/43

All: -0.000+/-0.000 χ^2/NDF: 107.4/84



Right In: 0.013+/-0.000 χ^2/NDF: 2157688.5/17

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.011+/-0.000 χ^2/NDF: 3325603.4/19

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

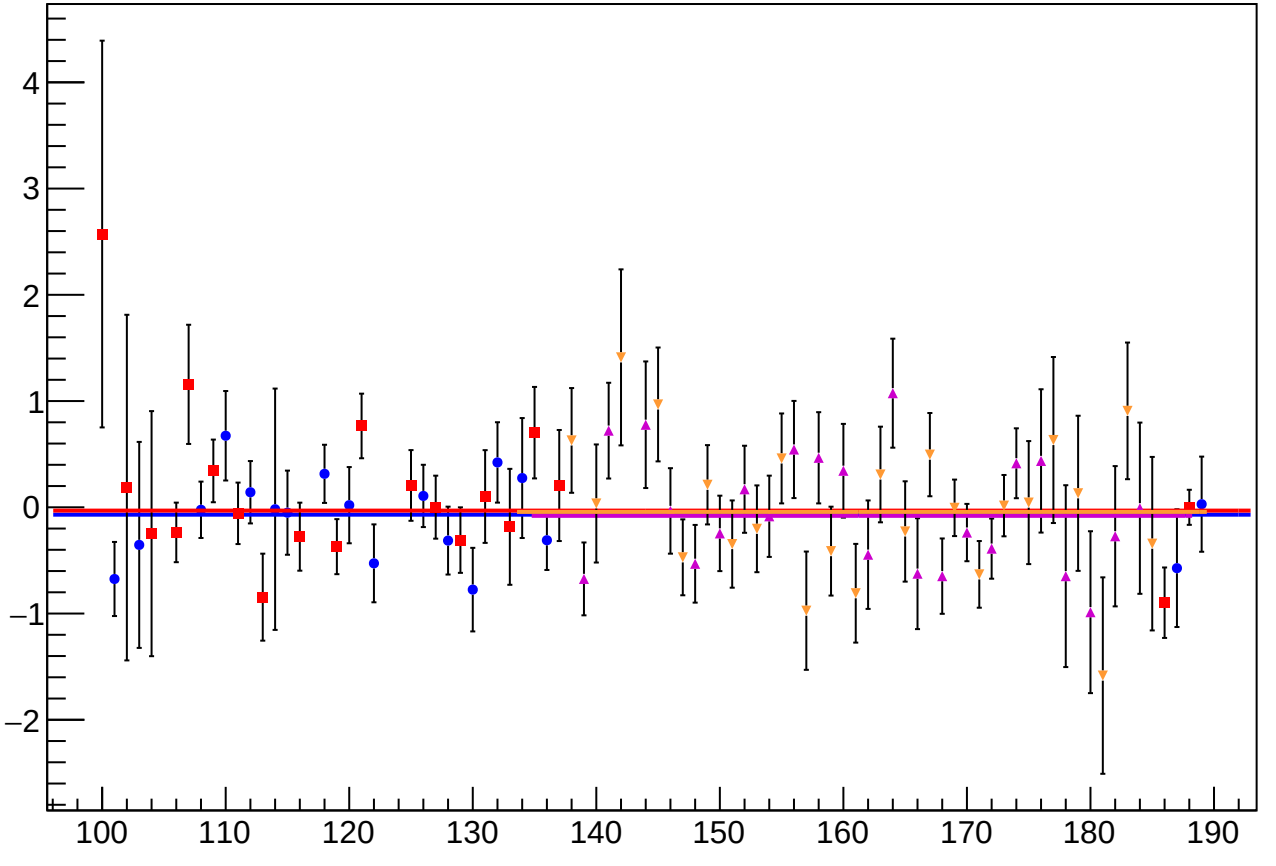
Right: 0.012+/-0.000 χ^2/NDF: 5573796.5/37

In: 0.009+/-0.000 χ^2/NDF:10109425.5/40

Out: 0.009+/-0.000 χ^2/NDF:12972454.1/43

All: 0.009+/-0.000 χ^2/NDF: 23150327.1/84

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

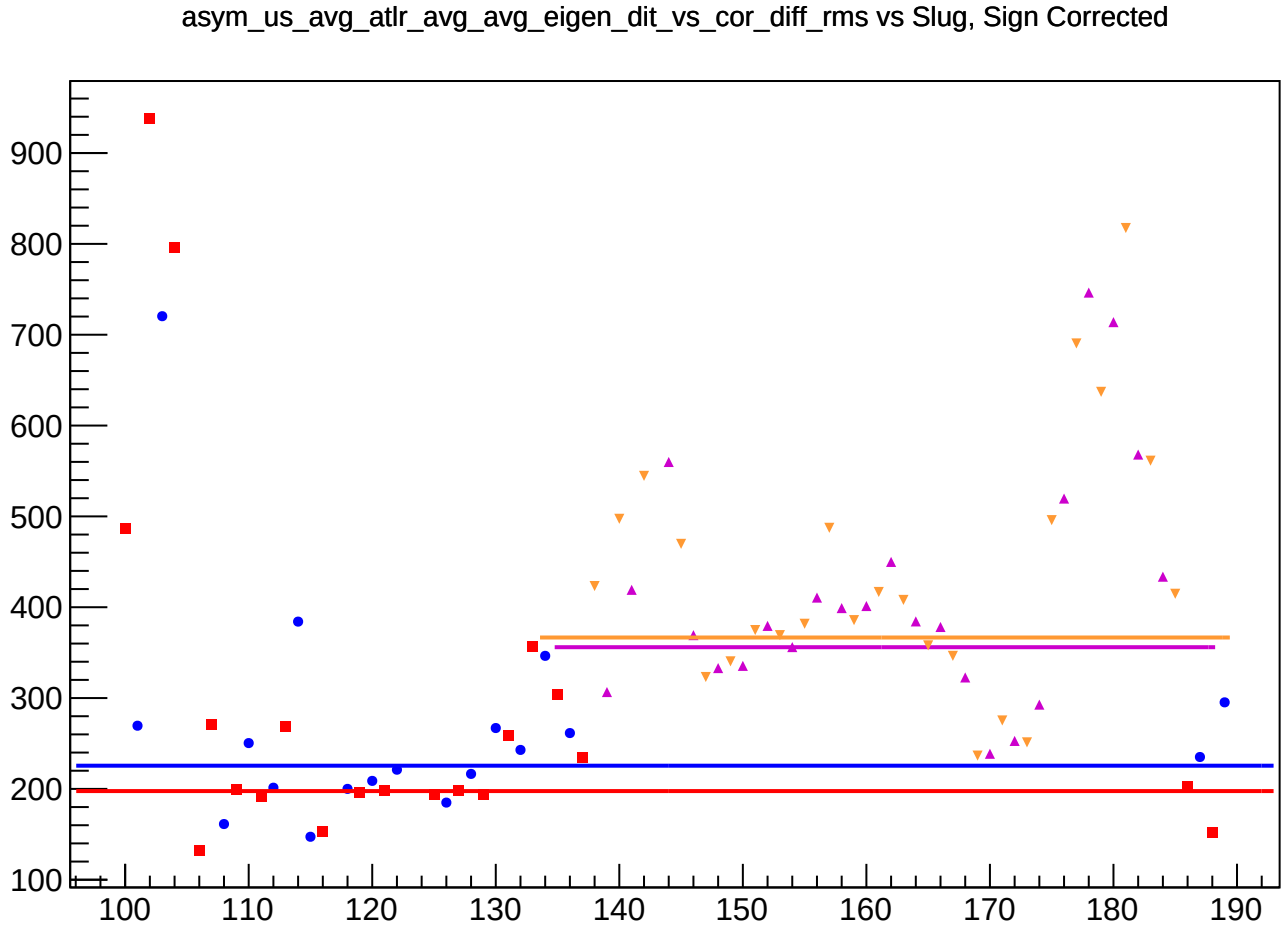
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.048+/-0.057 χ^2/NDF: 51.7/37

In: -0.075+/-0.061 χ^2/NDF:48.5/40

Out: -0.036+/-0.058 χ^2/NDF:64.3/43

All: -0.054+/-0.042 χ^2/NDF: 113.1/84



Right In: 225.546+/-0.061 χ^2/NDF: 1070131.8/17

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 197.607+/-0.053 χ^2/NDF: 1744257.2/19

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

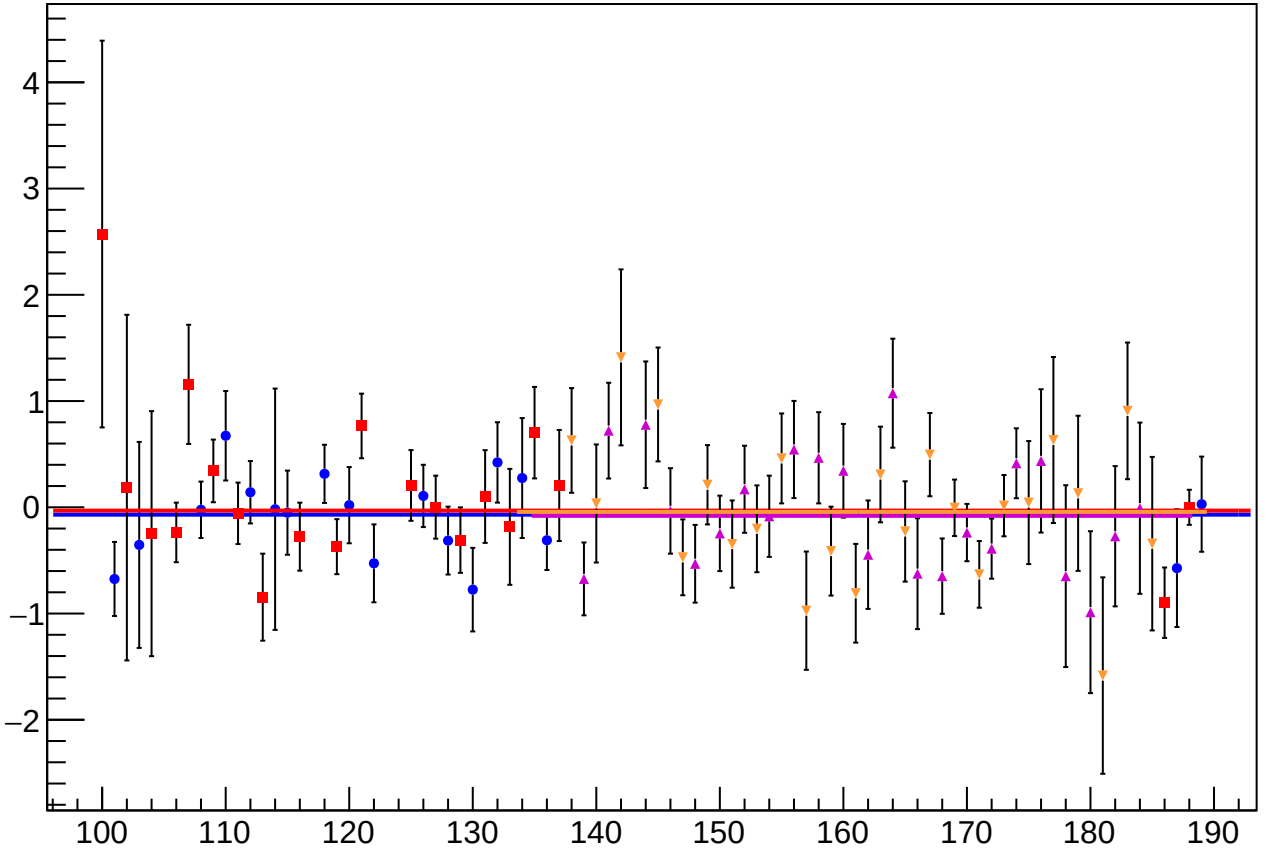
Right: 209.733+/-0.040 χ^2/NDF: 2934095.7/37

In: 289.380+/-0.043 χ^2/NDF:5747071.4/40

Out: 266.738+/-0.041 χ^2/NDF:8715145.2/43

All: 277.385+/-0.030 χ^2/NDF: 14606310.2/84

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.086 χ^2/NDF: 18.2/17

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

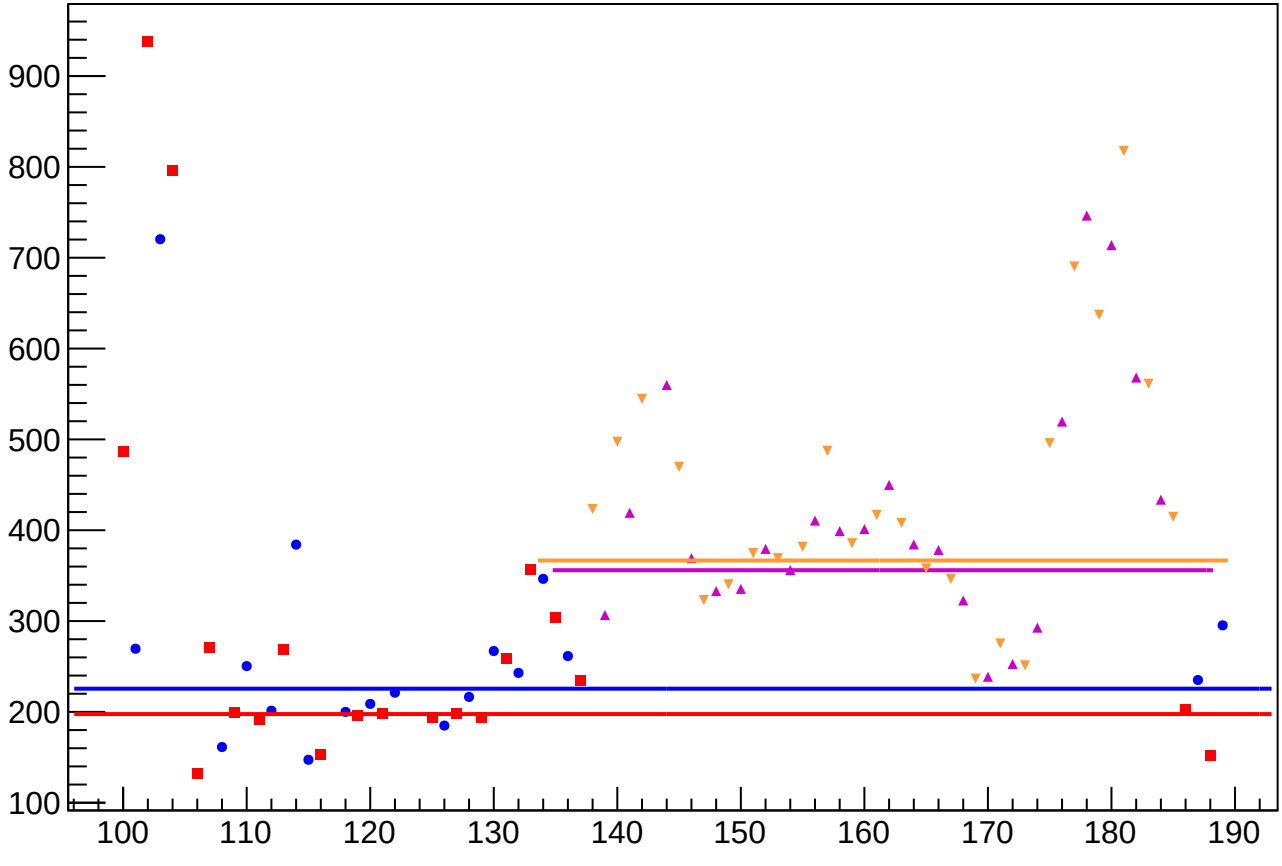
Right: -0.048+/-0.057 χ^2/NDF: 51.7/37

In: -0.075+/-0.061 χ^2/NDF:48.5/40

Out: -0.036+/-0.058 χ^2/NDF:64.3/43

All: -0.054+/-0.042 χ^2/NDF: 113.1/84

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 225.546+/-0.061 χ^2/NDF: 1070131.8/17

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 197.607+/-0.053 χ^2/NDF: 1744257.2/19

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

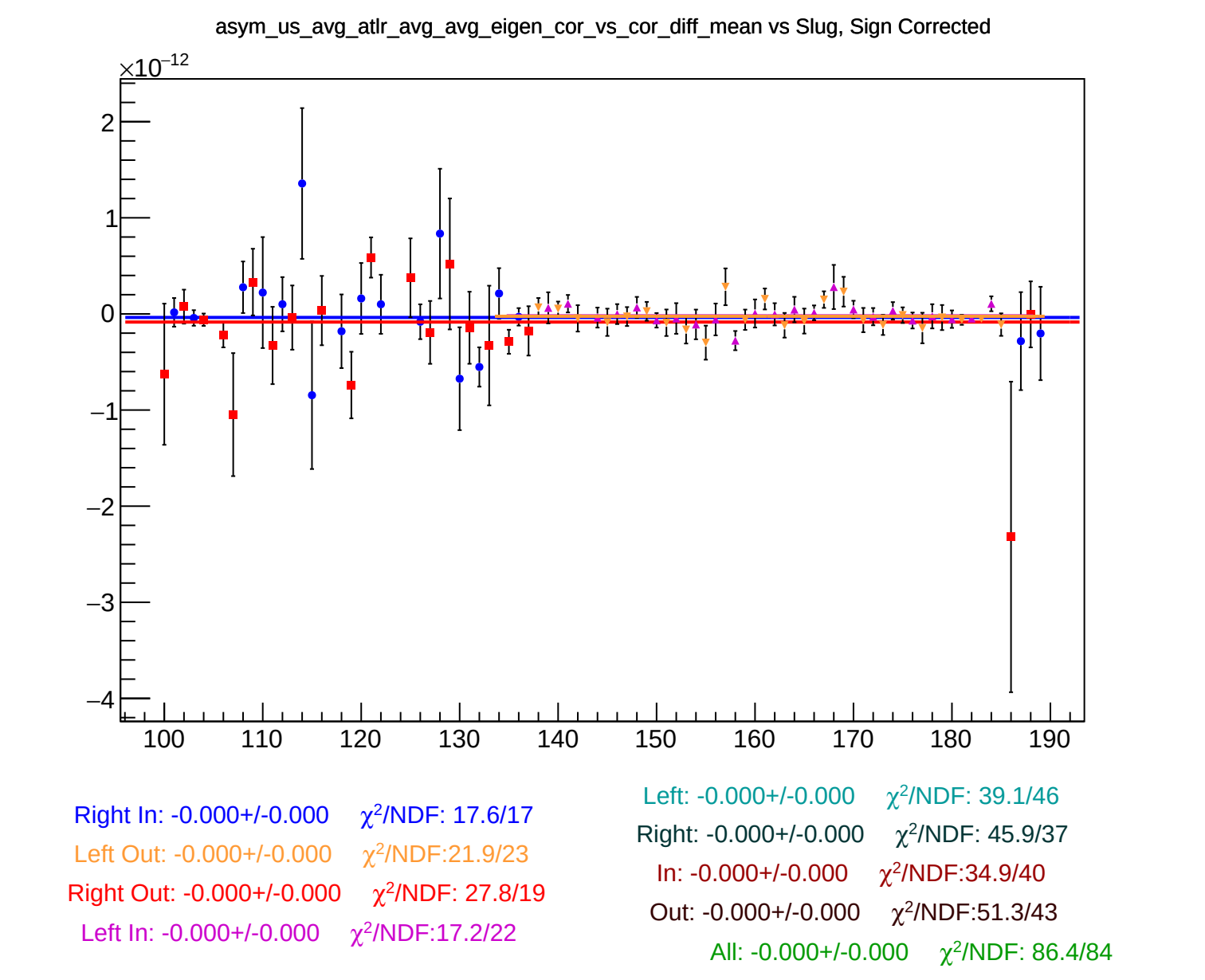
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

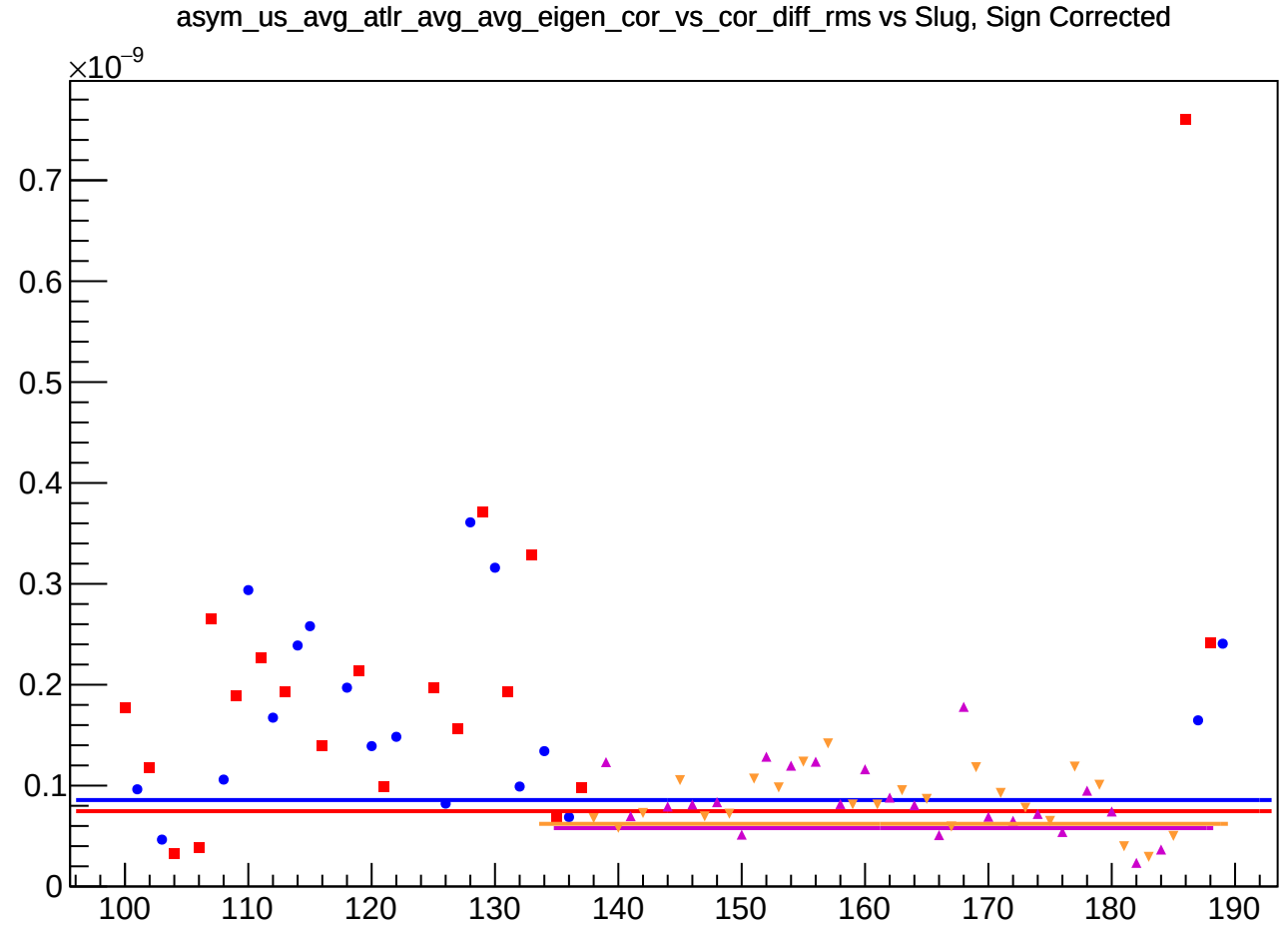
Right: 209.733+/-0.040 χ^2/NDF: 2934095.7/37

In: 289.380+/-0.043 χ^2/NDF:5747071.4/40

Out: 266.738+/-0.041 χ^2/NDF:8715145.2/43

All: 277.385+/-0.030 χ^2/NDF: 14606310.2/84


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.6/17
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/19
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: 45.9/37
In: -0.000+/-0.000 χ²/NDF:34.9/40
Out: -0.000+/-0.000 χ²/NDF:51.3/43
All: -0.000+/-0.000 χ²/NDF: 86.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 2491164.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4588211.4/19

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

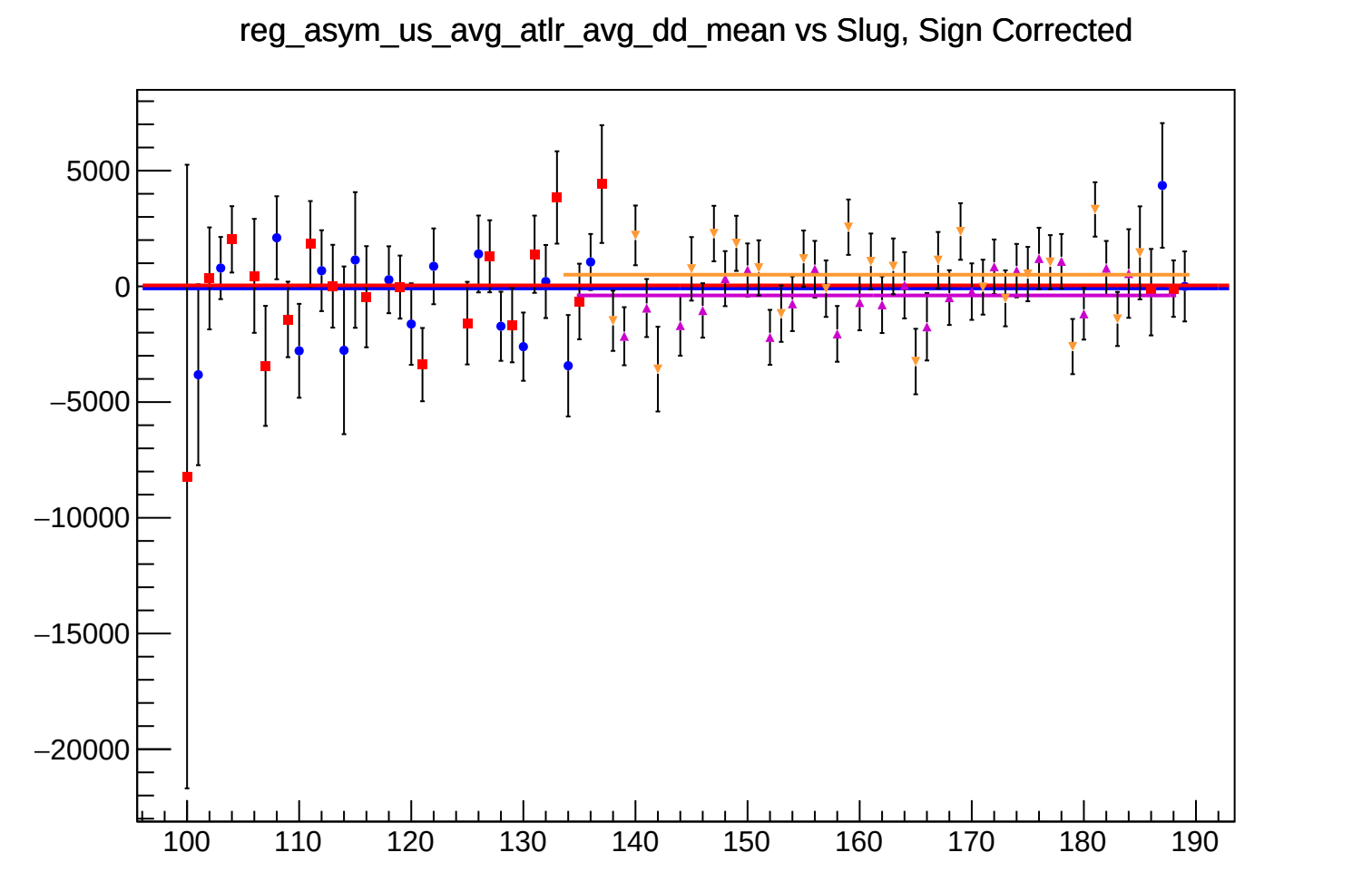
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 7138824.6/37

In: 0.000+/-0.000 χ^2/NDF:8620312.3/40

Out: 0.000+/-0.000 χ^2/NDF:8825385.3/43

All: 0.000+/-0.000 χ^2/NDF: 17466961.1/84



Right In: -88.434+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 42.549+/-396.919 χ^2/NDF: 20.7/19

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

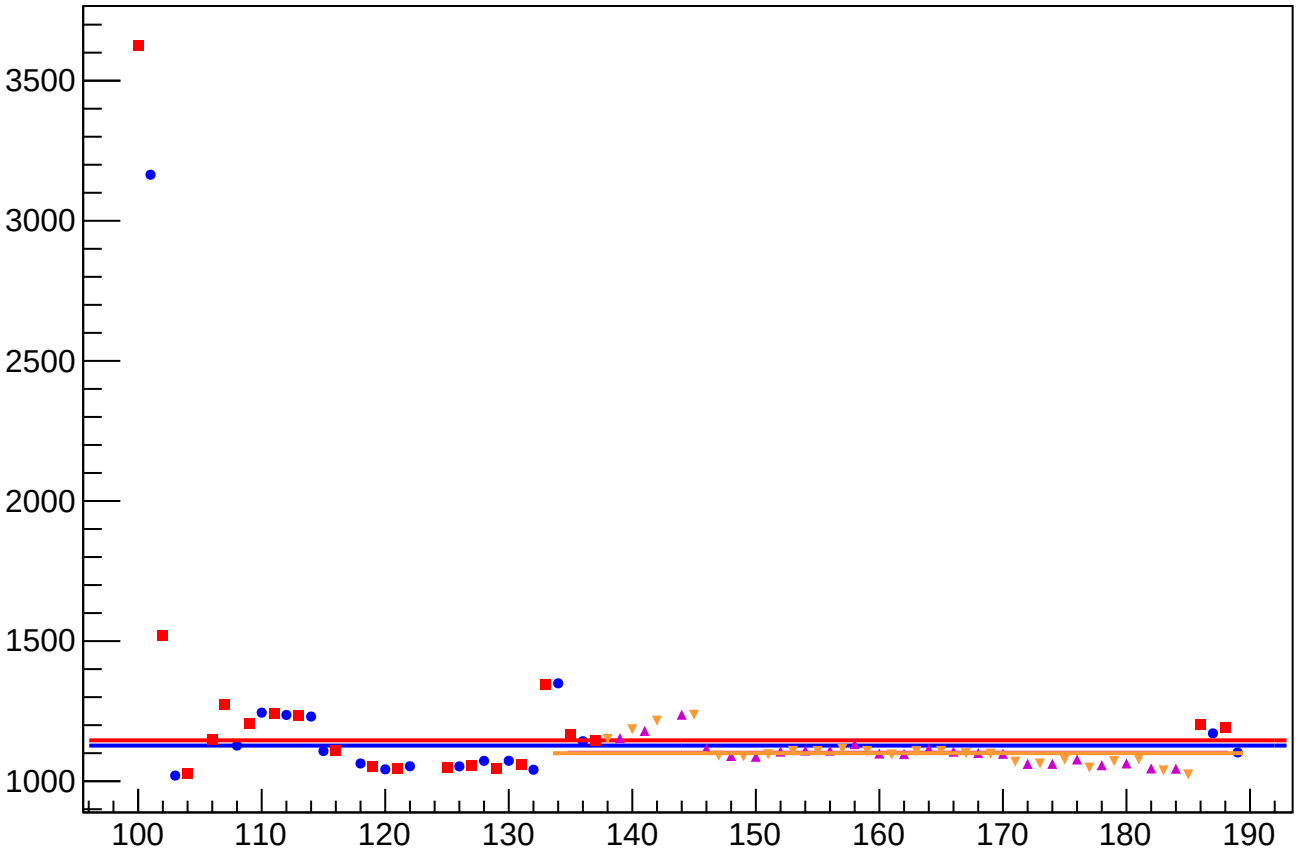
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -21.121+/-284.540 χ^2/NDF: 38.3/37

In: -305.403+/-217.707 χ^2/NDF:35.8/40

Out: 368.509+/-214.856 χ^2/NDF:66.2/43

All: 35.993+/-152.924 χ^2/NDF: 106.9/84



Right In: 1127.135+/-0.289 χ^2/NDF: 622455.2/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1145.859+/-0.280 χ^2/NDF: 225708.5/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

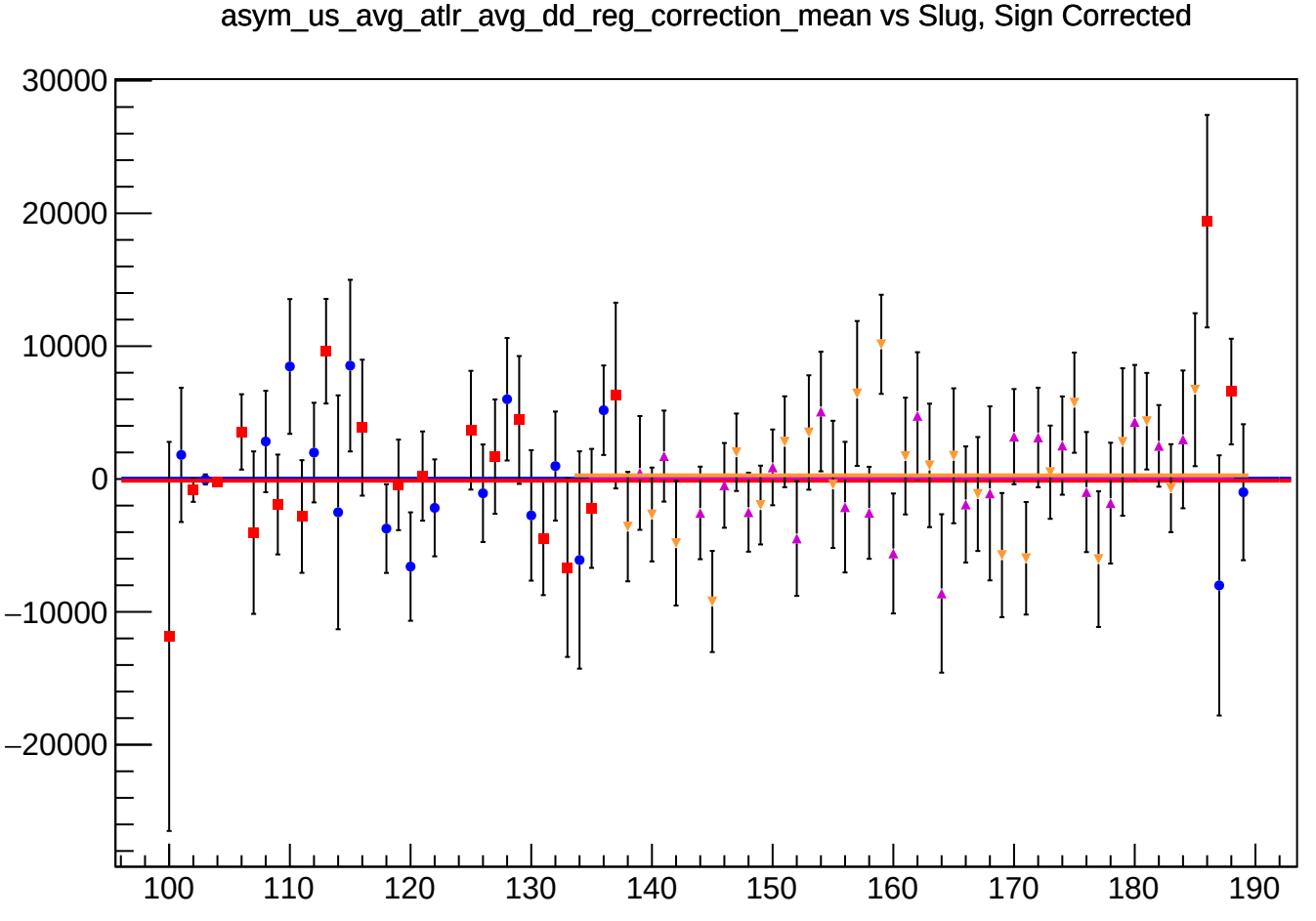
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.772+/-0.201 χ^2/NDF: 850330.5/37

In: 1108.816+/-0.154 χ^2/NDF:680233.6/40

Out: 1113.512+/-0.152 χ^2/NDF:303306.3/43

All: 1111.196+/-0.108 χ^2/NDF: 984011.5/84



Right In: 22.616+/-356.545 χ^2/NDF: 15.6/17

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -125.740+/-321.230 χ^2/NDF: 24.5/19

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

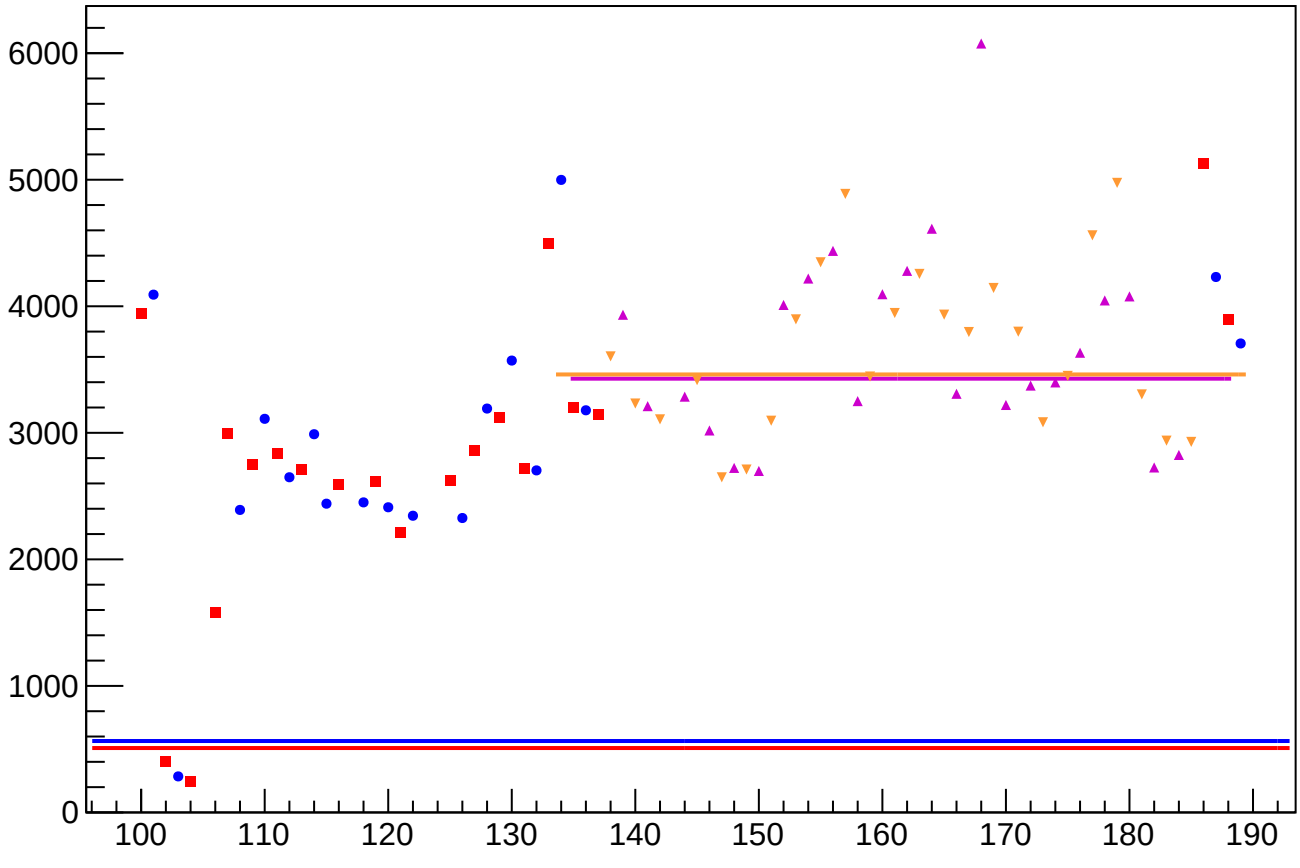
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

Right: -59.271+/-238.655 χ^2/NDF: 40.2/37

In: 34.148+/-326.796 χ^2/NDF:29.2/40

Out: -72.147+/-299.123 χ^2/NDF:54.6/43

All: -23.690+/-220.648 χ^2/NDF: 83.9/84



Right In: 564.566+/-0.252 χ^2/NDF: 10723285.4/17

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 509.025+/-0.227 χ^2/NDF: 11320130.5/19

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

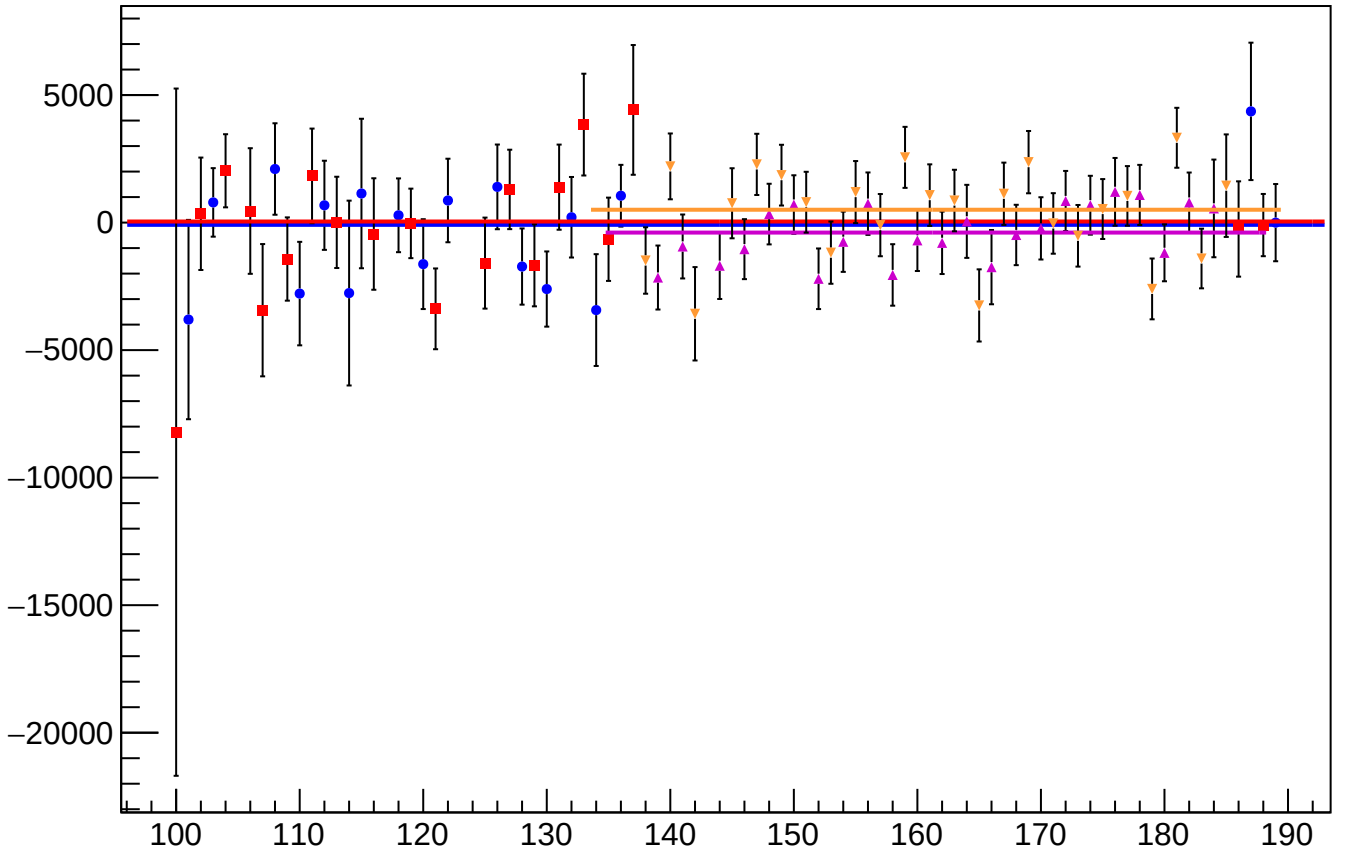
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 533.910+/-0.169 χ^2/NDF: 22070203.7/37

In: 1022.433+/-0.231 χ^2/NDF:32592037.6/40

Out: 901.391+/-0.212 χ^2/NDF:34830031.3/43

All: 956.571+/-0.156 χ^2/NDF: 67571365.2/84



Right In: -88.254+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 42.678+/-396.920 χ^2/NDF: 20.7/19

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

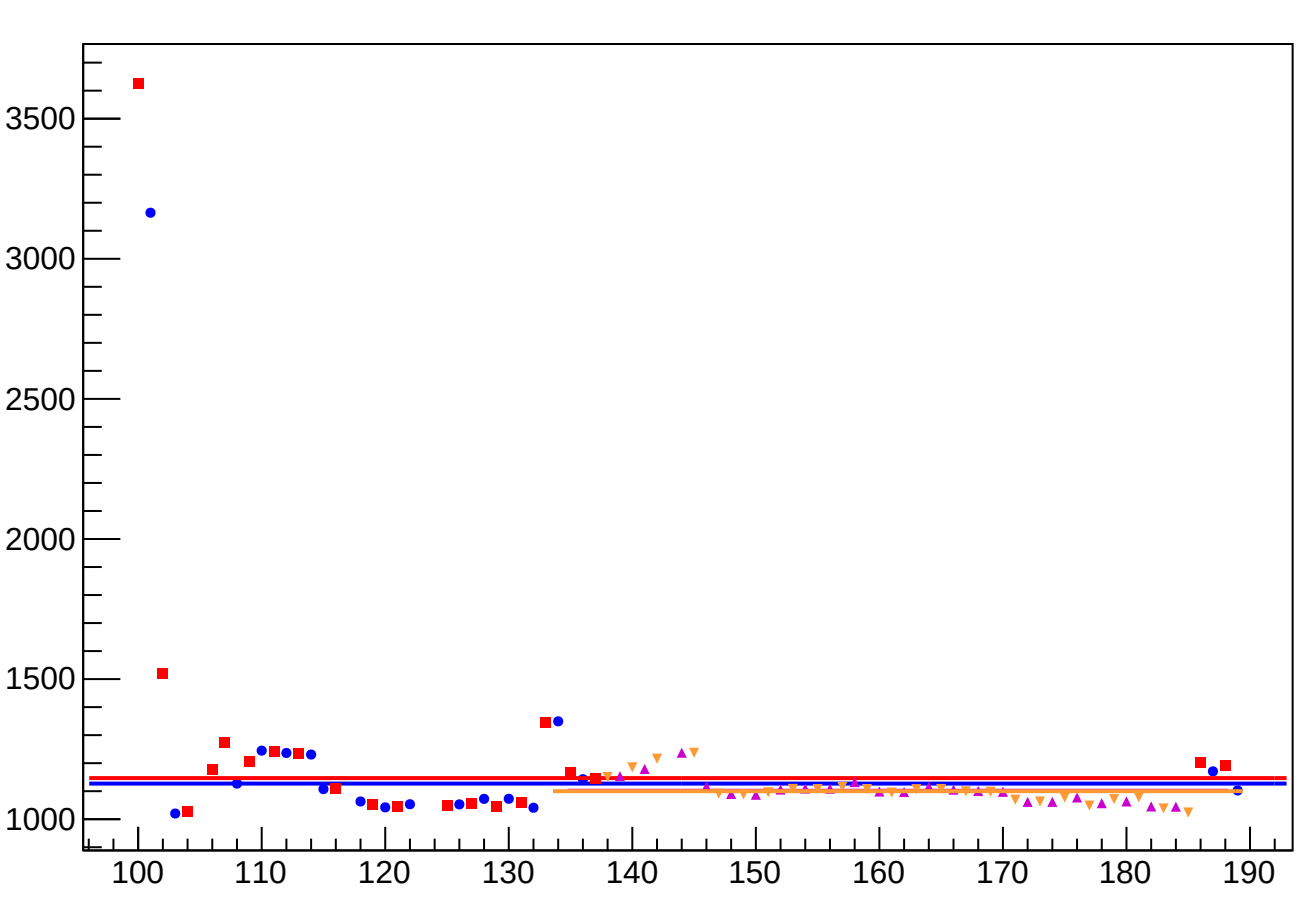
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -20.968+/-284.540 χ^2/NDF: 38.3/37

In: -305.343+/-217.707 χ^2/NDF:35.8/40

Out: 368.599+/-214.856 χ^2/NDF:66.2/43

All: 36.069+/-152.924 χ^2/NDF: 106.9/84



Right In: 1127.135+/-0.289 χ^2/NDF: 622456.4/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1146.692+/-0.281 χ^2/NDF: 226063.4/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

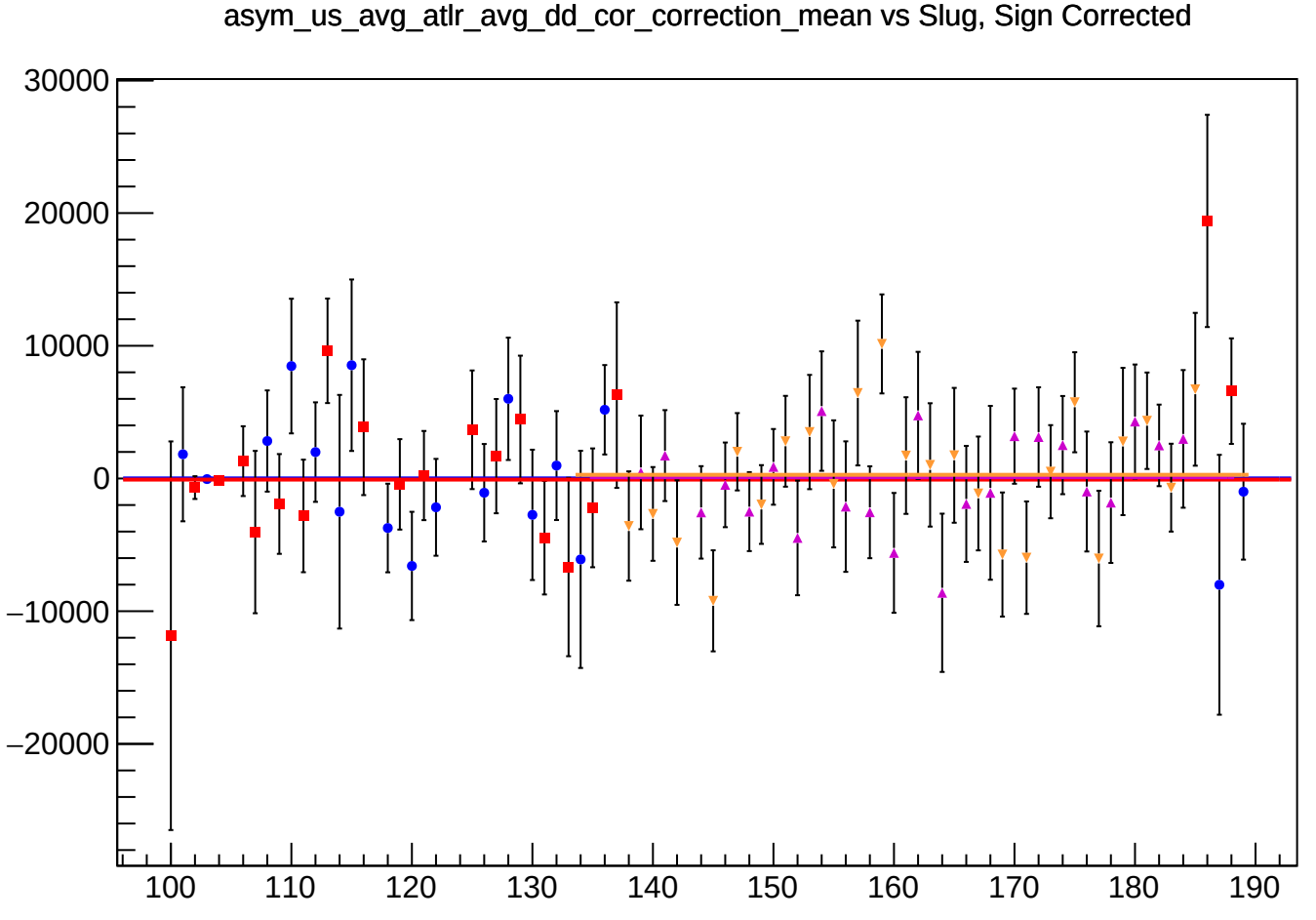
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1137.190+/-0.201 χ^2/NDF: 850881.1/37

In: 1108.816+/-0.154 χ^2/NDF:680234.6/40

Out: 1113.735+/-0.152 χ^2/NDF:304323.9/43

All: 1111.308+/-0.108 χ^2/NDF: 985075.9/84



Right In: 7.179+/-343.536 χ^2/NDF: 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -83.085+/-316.114 χ^2/NDF: 22.8/19

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

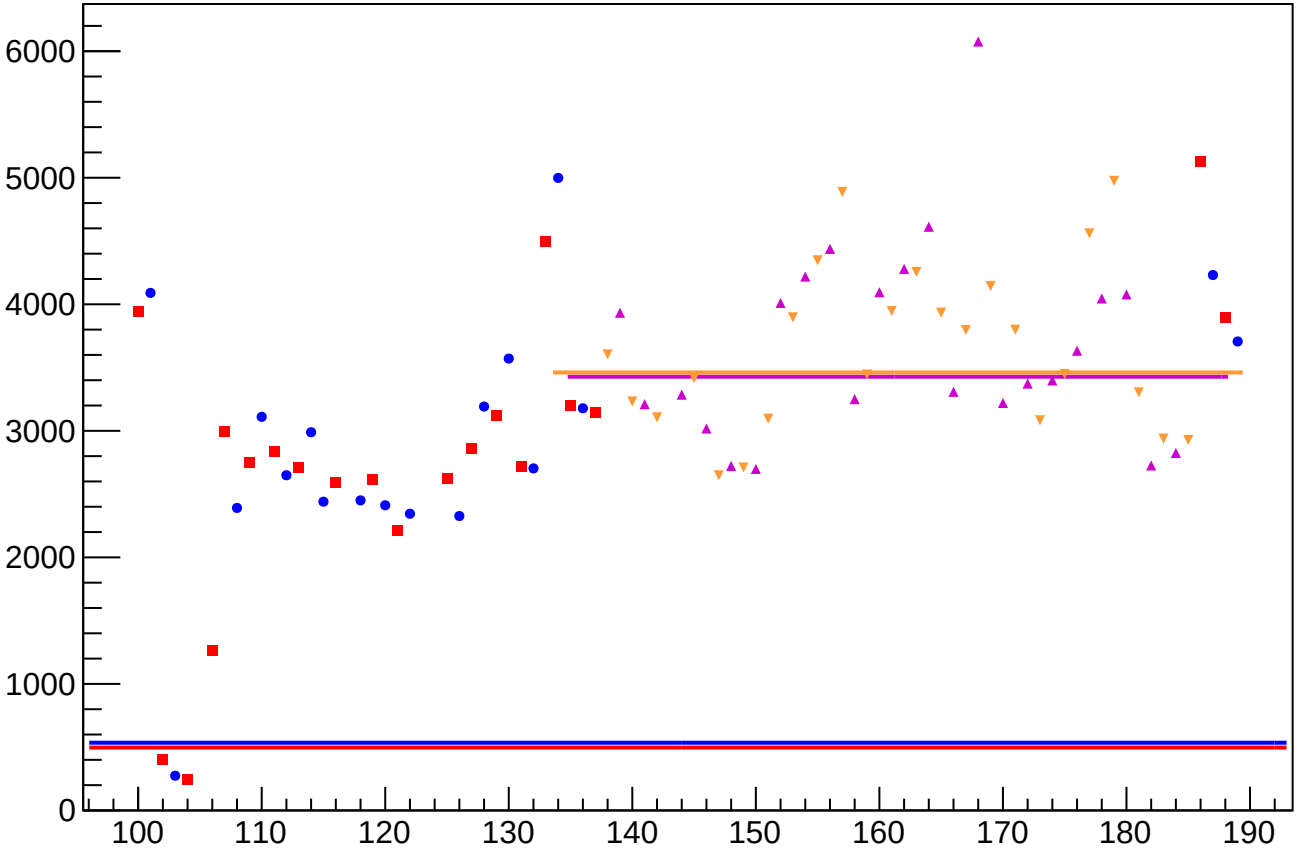
Right: -41.699+/-232.618 χ^2/NDF: 38.4/37

In: 20.329+/-316.692 χ^2/NDF:29.2/40

Out: -36.476+/-294.979 χ^2/NDF:52.8/43

All: -10.088+/-215.850 χ^2/NDF: 82.1/84

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.239+/-0.243 χ^2/NDF: 10893269.6/17

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 496.980+/-0.224 χ^2/NDF: 11256746.2/19

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

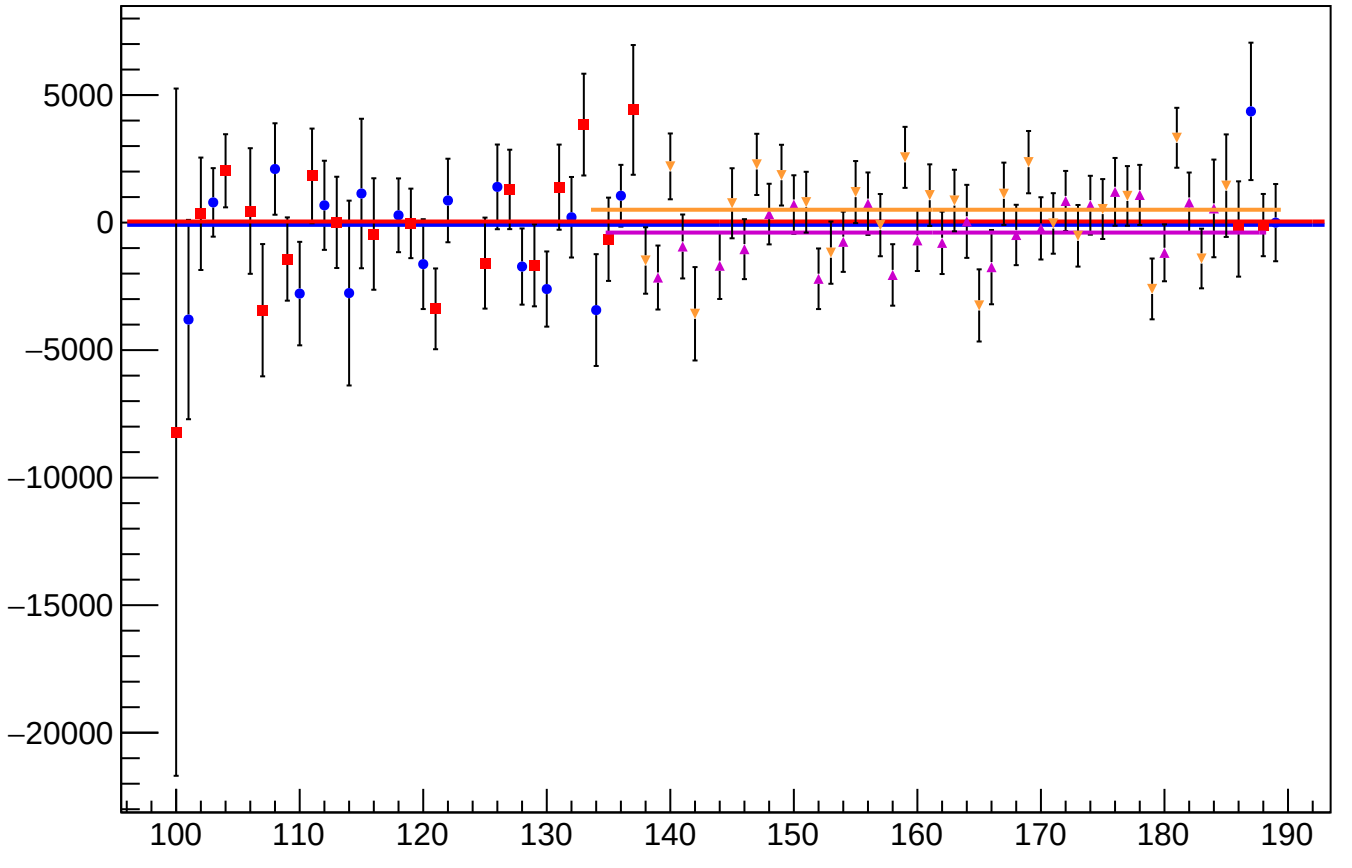
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 514.522+/-0.164 χ^2/NDF: 22163448.0/37

In: 969.634+/-0.224 χ^2/NDF:33430644.9/40

Out: 880.107+/-0.209 χ^2/NDF:35045693.8/43

All: 921.697+/-0.153 χ^2/NDF: 68561921.1/84



Right In: -88.254+/-408.115 χ^2/NDF: 17.6/17

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 42.678+/-396.920 χ^2/NDF: 20.7/19

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

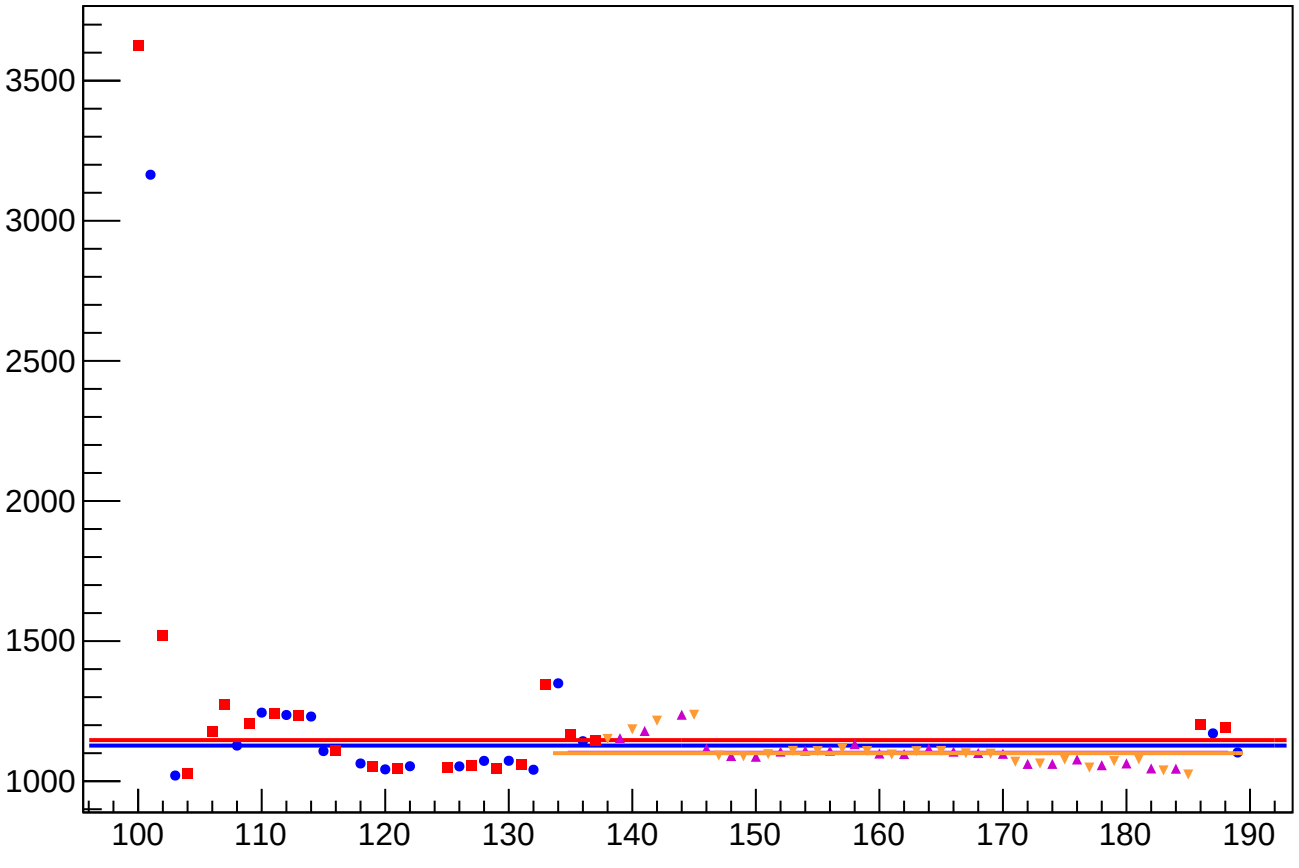
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -20.968+/-284.540 χ^2/NDF: 38.3/37

In: -305.343+/-217.707 χ^2/NDF:35.8/40

Out: 368.599+/-214.856 χ^2/NDF:66.2/43

All: 36.069+/-152.924 χ^2/NDF: 106.9/84



Right In: 1127.135+/-0.289 χ^2/NDF: 622456.4/17

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1146.692+/-0.281 χ^2/NDF: 226063.4/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

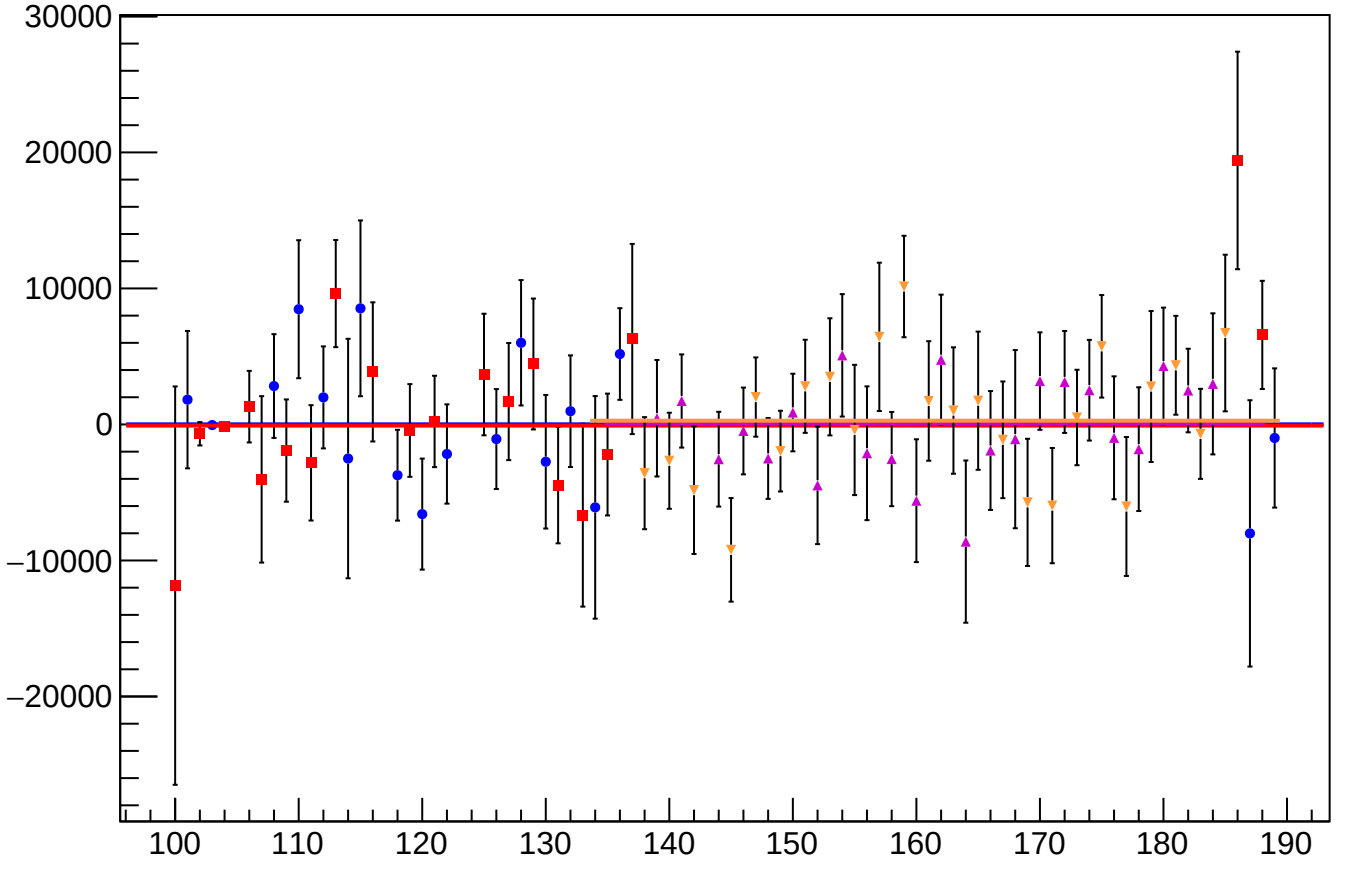
Right: 1137.190+/-0.201 χ^2/NDF: 850881.1/37

In: 1108.816+/-0.154 χ^2/NDF:680234.6/40

Out: 1113.735+/-0.152 χ^2/NDF:304323.9/43

All: 1111.308+/-0.108 χ^2/NDF: 985075.9/84

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 7.179+/-343.536 χ^2/NDF: 15.6/17

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -83.085+/-316.114 χ^2/NDF: 22.8/19

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

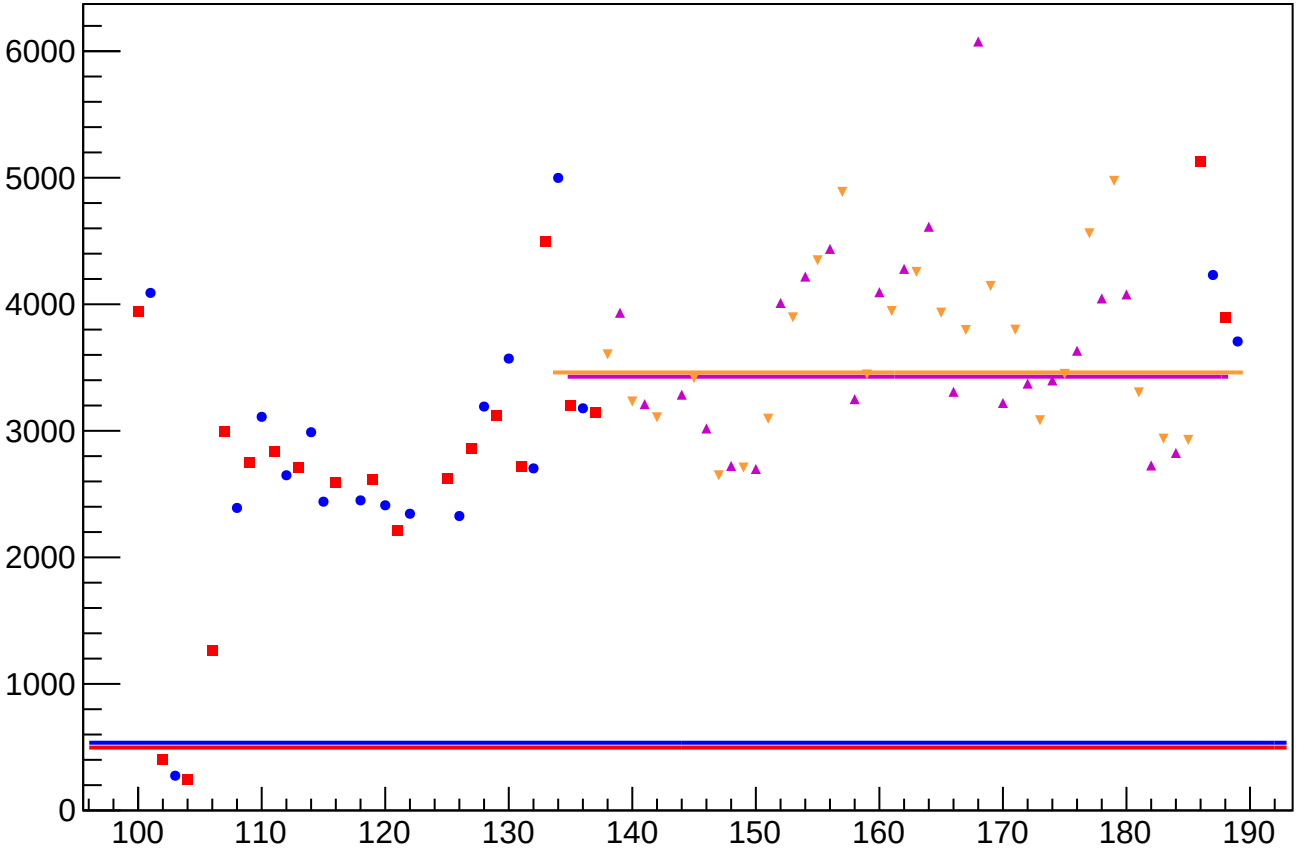
Right: -41.699+/-232.618 χ^2/NDF: 38.4/37

In: 20.329+/-316.692 χ^2/NDF:29.2/40

Out: -36.476+/-294.979 χ^2/NDF:52.8/43

All: -10.088+/-215.850 χ^2/NDF: 82.1/84

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.239+/-0.243 χ^2/NDF: 10893269.6/17

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 496.980+/-0.224 χ^2/NDF: 11256746.2/19

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

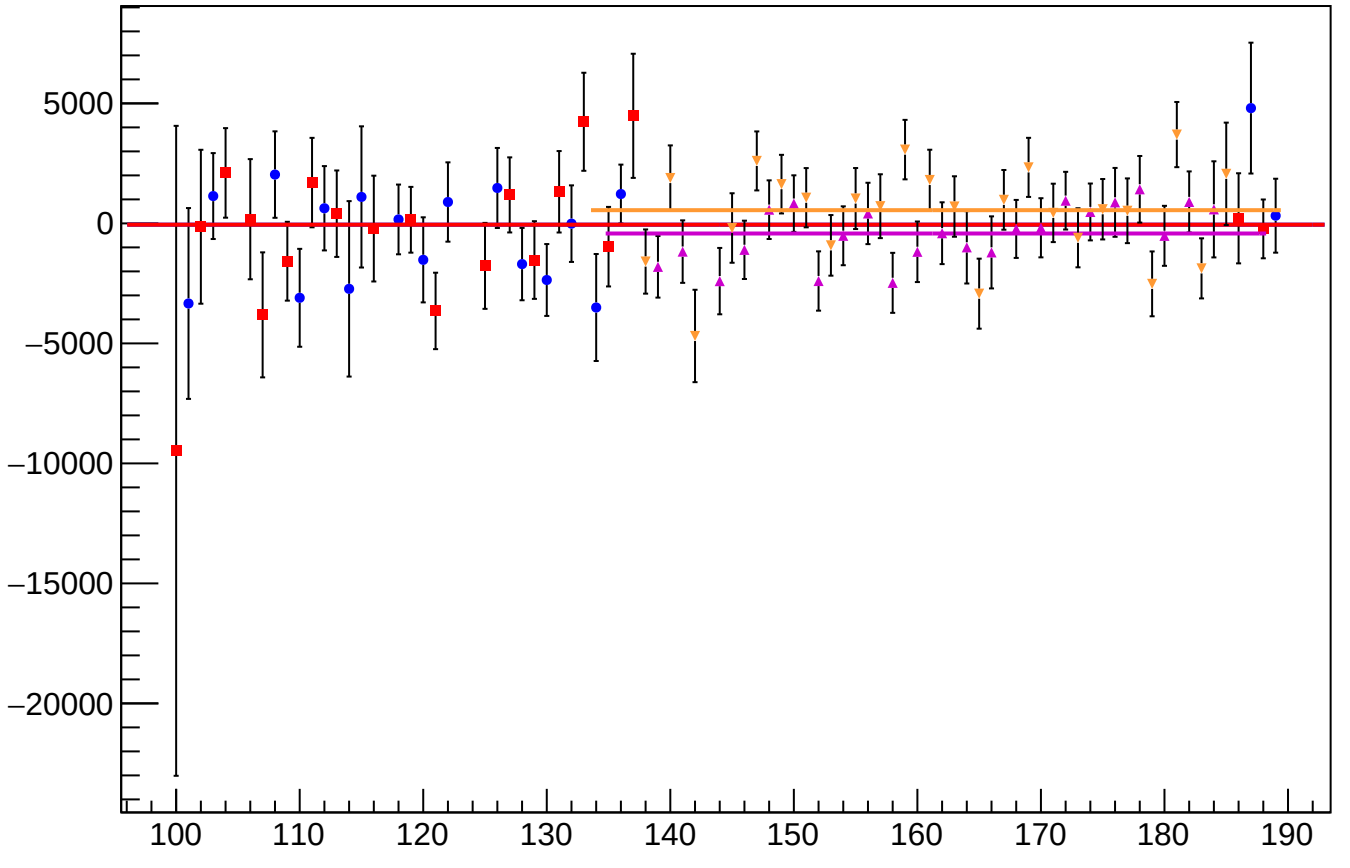
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 514.522+/-0.164 χ^2/NDF: 22163448.0/37

In: 969.634+/-0.224 χ^2/NDF:33430644.9/40

Out: 880.107+/-0.209 χ^2/NDF:35045693.8/43

All: 921.697+/-0.153 χ^2/NDF: 68561921.1/84



Right In: -54.038+/-420.373 χ^2/NDF: 17.7/17

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -53.838+/-409.959 χ^2/NDF: 21.7/19

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

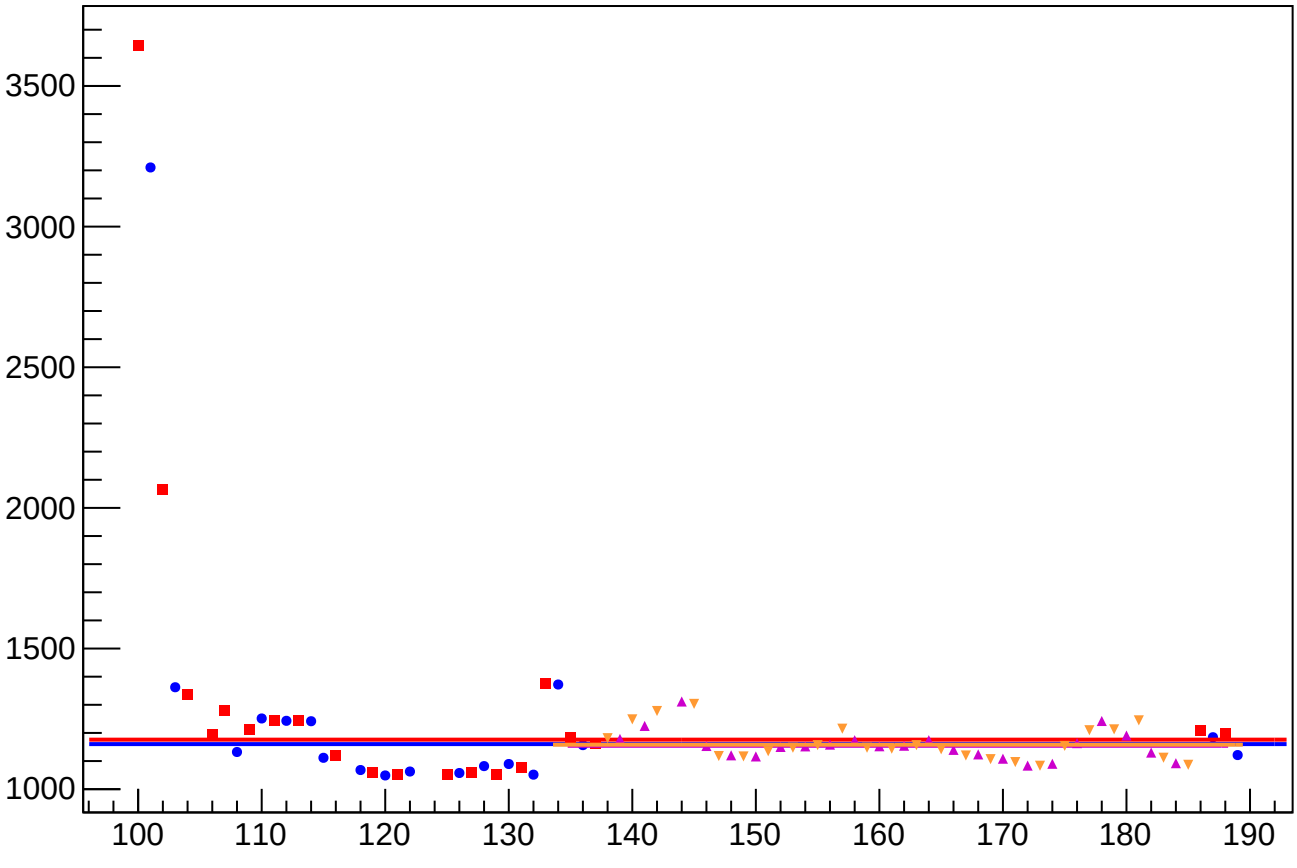
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -53.935+/-293.497 χ^2/NDF: 39.4/37

In: -313.948+/-227.067 χ^2/NDF:36.2/40

Out: 368.531+/-225.026 χ^2/NDF:68.4/43

All: 30.372+/-159.834 χ^2/NDF: 109.2/84



Right In: 1160.278+/-0.297 χ^2/NDF: 636860.6/17

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1176.103+/-0.290 χ^2/NDF: 333054.8/19

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

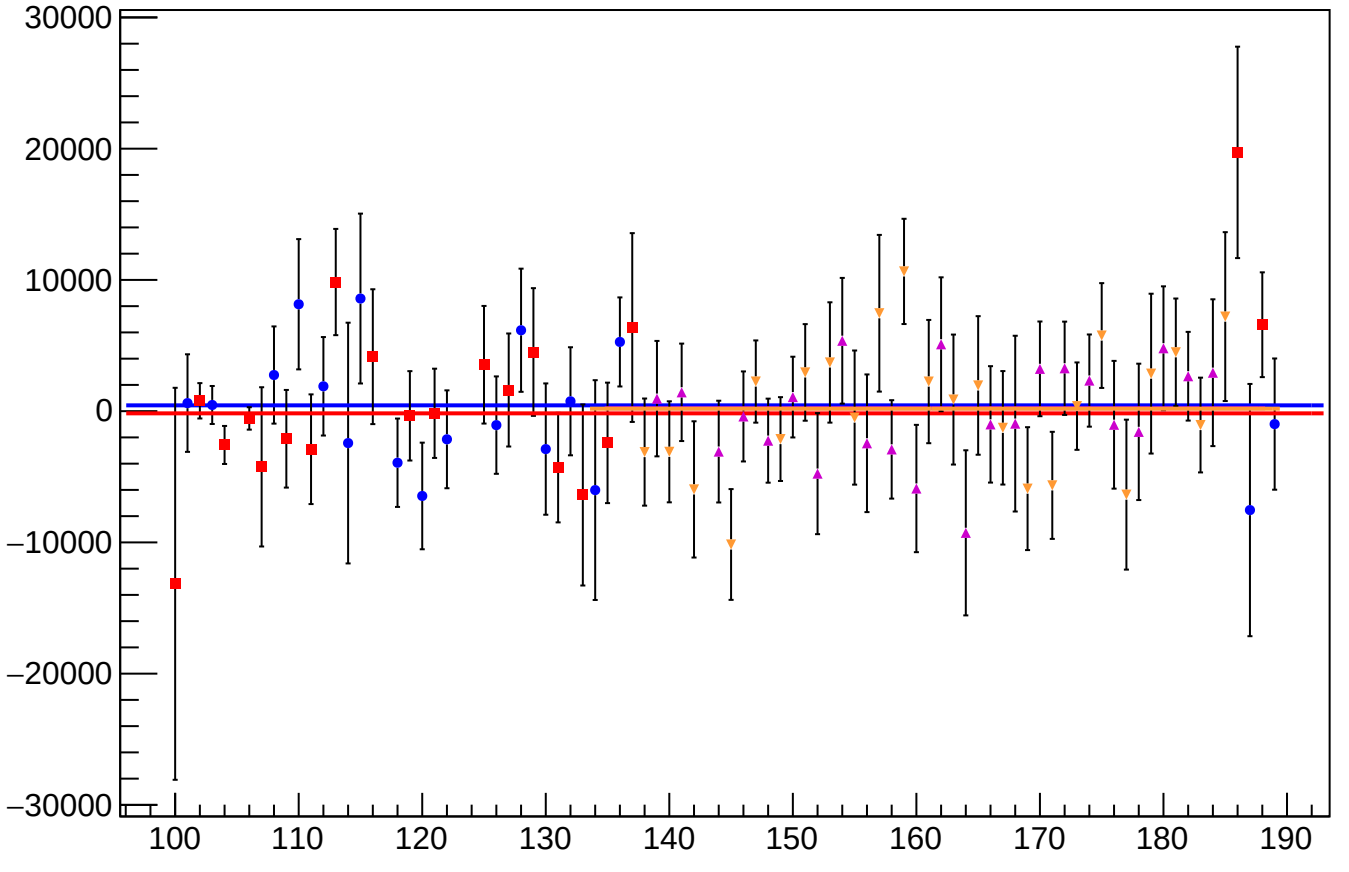
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1168.392+/-0.207 χ^2/NDF: 971368.7/37

In: 1155.995+/-0.161 χ^2/NDF:703630.6/40

Out: 1163.581+/-0.159 χ^2/NDF:419840.1/43

All: 1159.823+/-0.113 χ^2/NDF: 1124597.1/84



Right In: 442.844+/-857.628 χ^2/NDF: 15.2/17

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -166.665+/-558.921 χ^2/NDF: 25.8/19

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

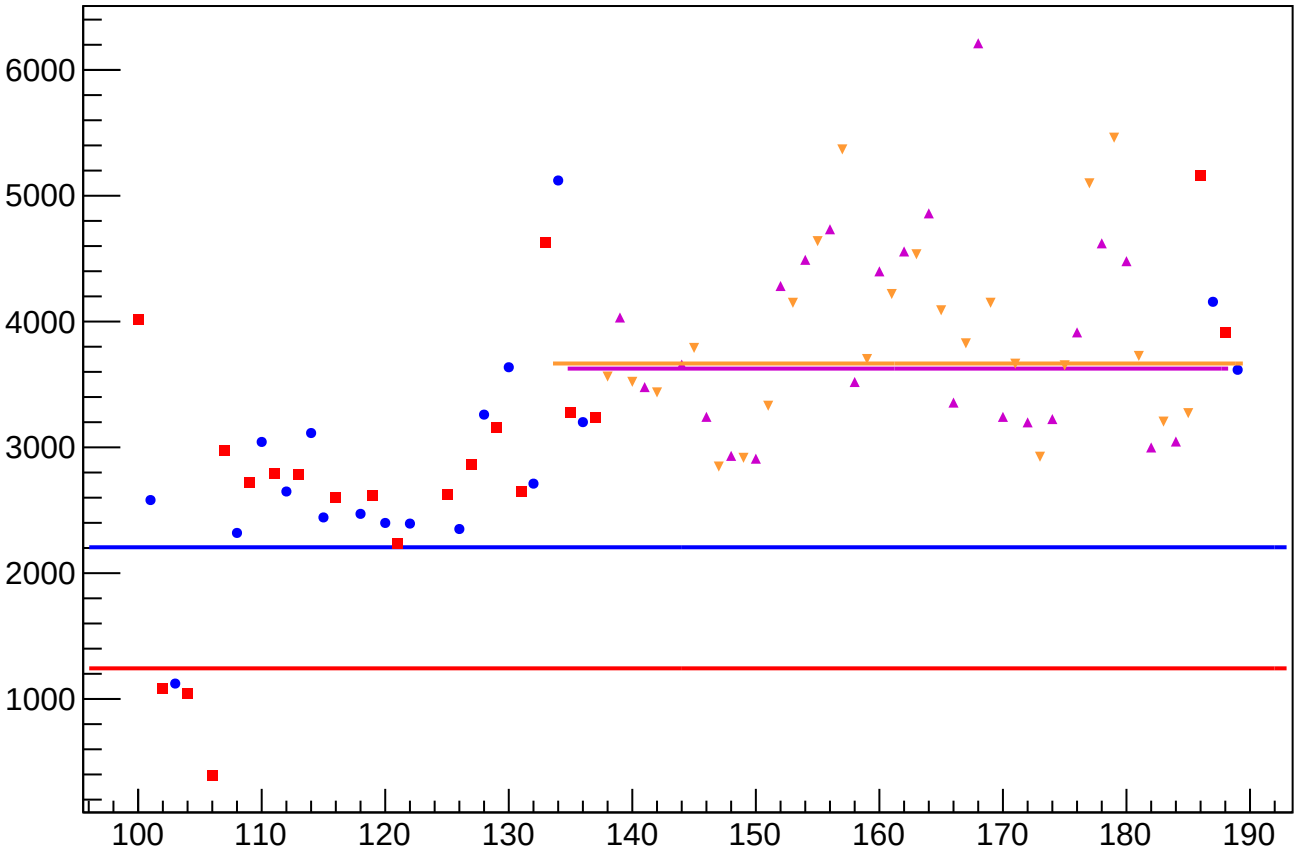
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 15.034+/-468.259 χ^2/NDF: 41.3/37

In: 333.021+/-608.946 χ^2/NDF:28.6/40

Out: -62.447+/-470.152 χ^2/NDF:55.2/43

All: 85.250+/-372.142 χ^2/NDF: 84.1/84



Right In: 2205.883+/-0.606 χ^2/NDF: 2225564.6/17

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1243.489+/-0.395 χ^2/NDF: 7216375.7/19

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

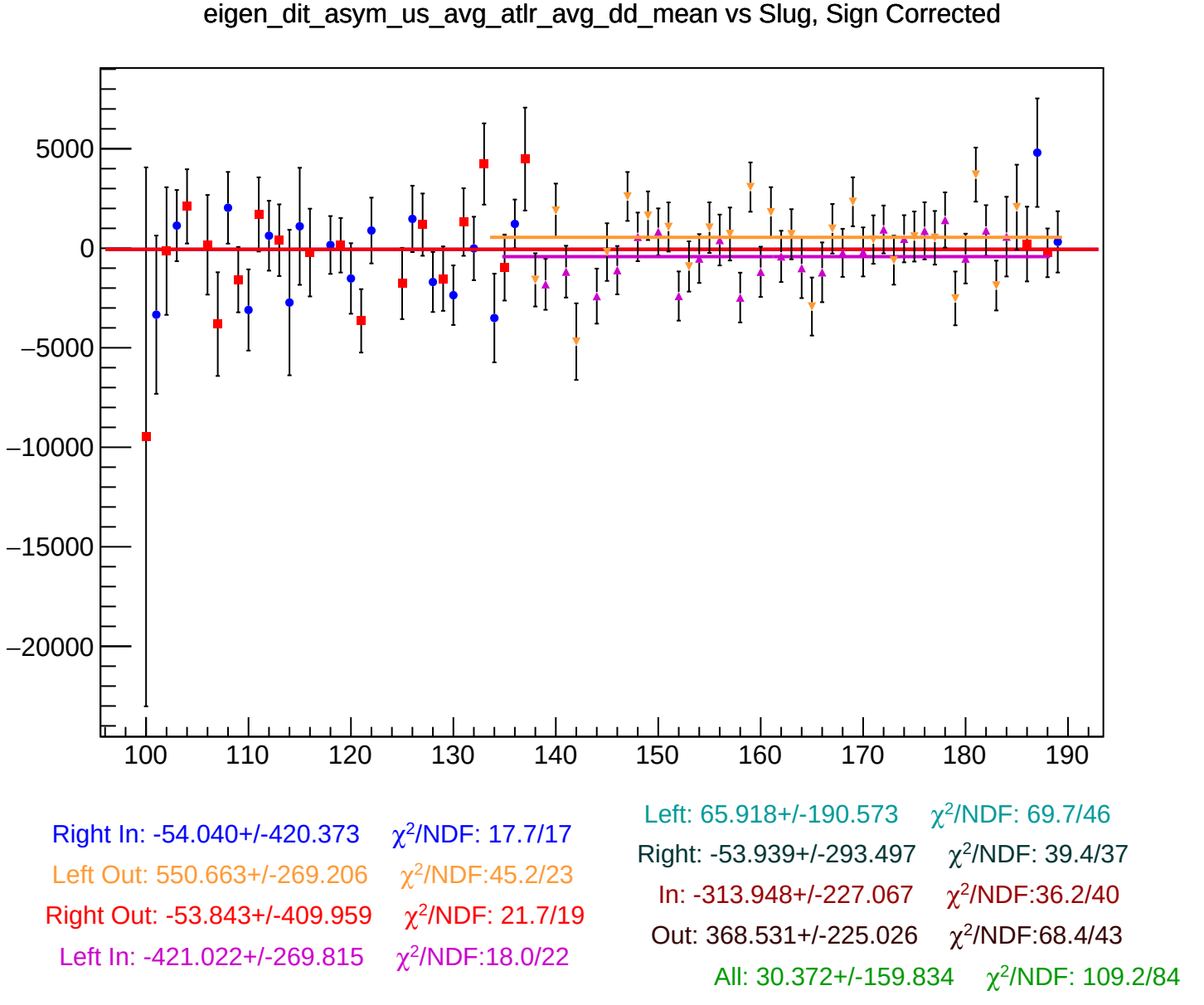
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

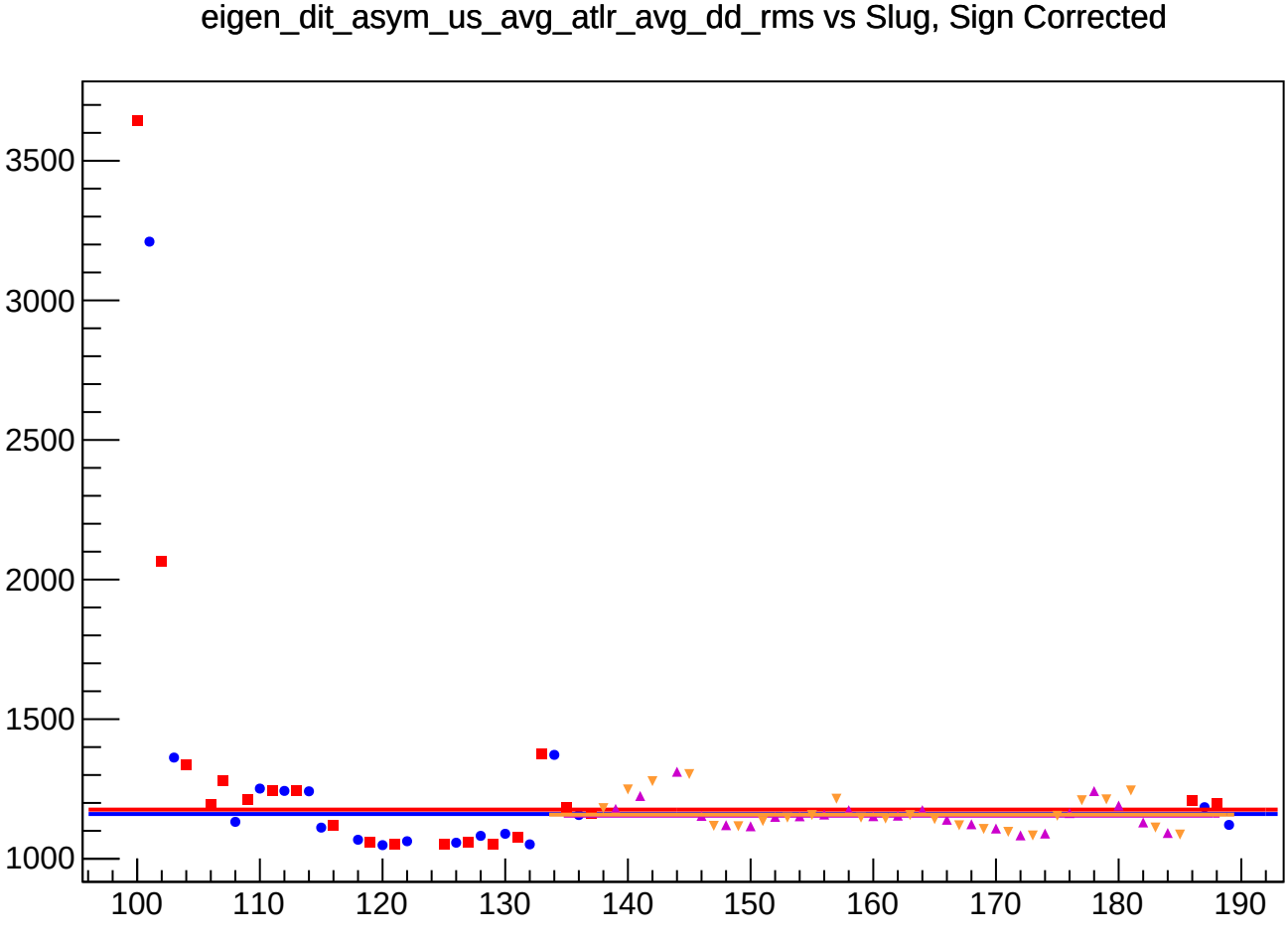
Right: 1530.386+/-0.331 χ^2/NDF: 11209635.7/37

In: 2910.019+/-0.431 χ^2/NDF:6202400.9/40

Out: 1952.034+/-0.332 χ^2/NDF:19303734.5/43

All: 2309.816+/-0.263 χ^2/NDF: 28607332.9/8


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -54.040+/-420.373 χ²/NDF: 17.7/17
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: -53.843+/-409.959 χ²/NDF: 21.7/19
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -53.939+/-293.497 χ²/NDF: 39.4/37
In: -313.948+/-227.067 χ²/NDF:36.2/40
Out: 368.531+/-225.026 χ²/NDF:68.4/43
All: 30.372+/-159.834 χ²/NDF: 109.2/84



Right In: 1160.278+/-0.297 χ^2/NDF: 636860.8/17

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1176.103+/-0.290 χ^2/NDF: 333054.4/19

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

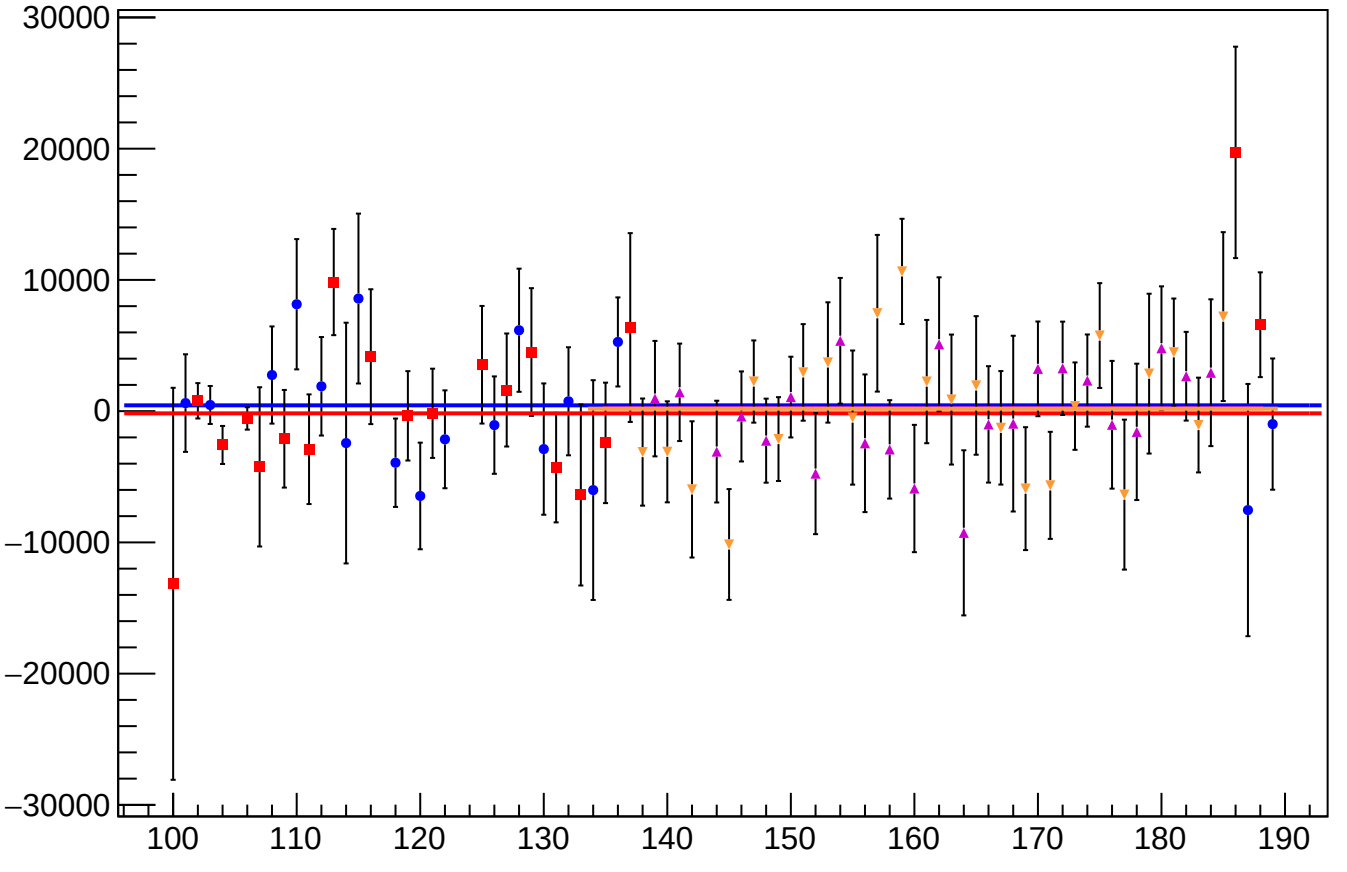
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1168.392+/-0.207 χ^2/NDF: 971368.6/37

In: 1155.996+/-0.161 χ^2/NDF:703633.2/40

Out: 1163.582+/-0.159 χ^2/NDF:419841.8/43

All: 1159.823+/-0.113 χ^2/NDF: 1124601.5/84



Right In: 442.838+/-857.627 χ^2/NDF: 15.2/17

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -166.672+/-558.915 χ^2/NDF: 25.8/19

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

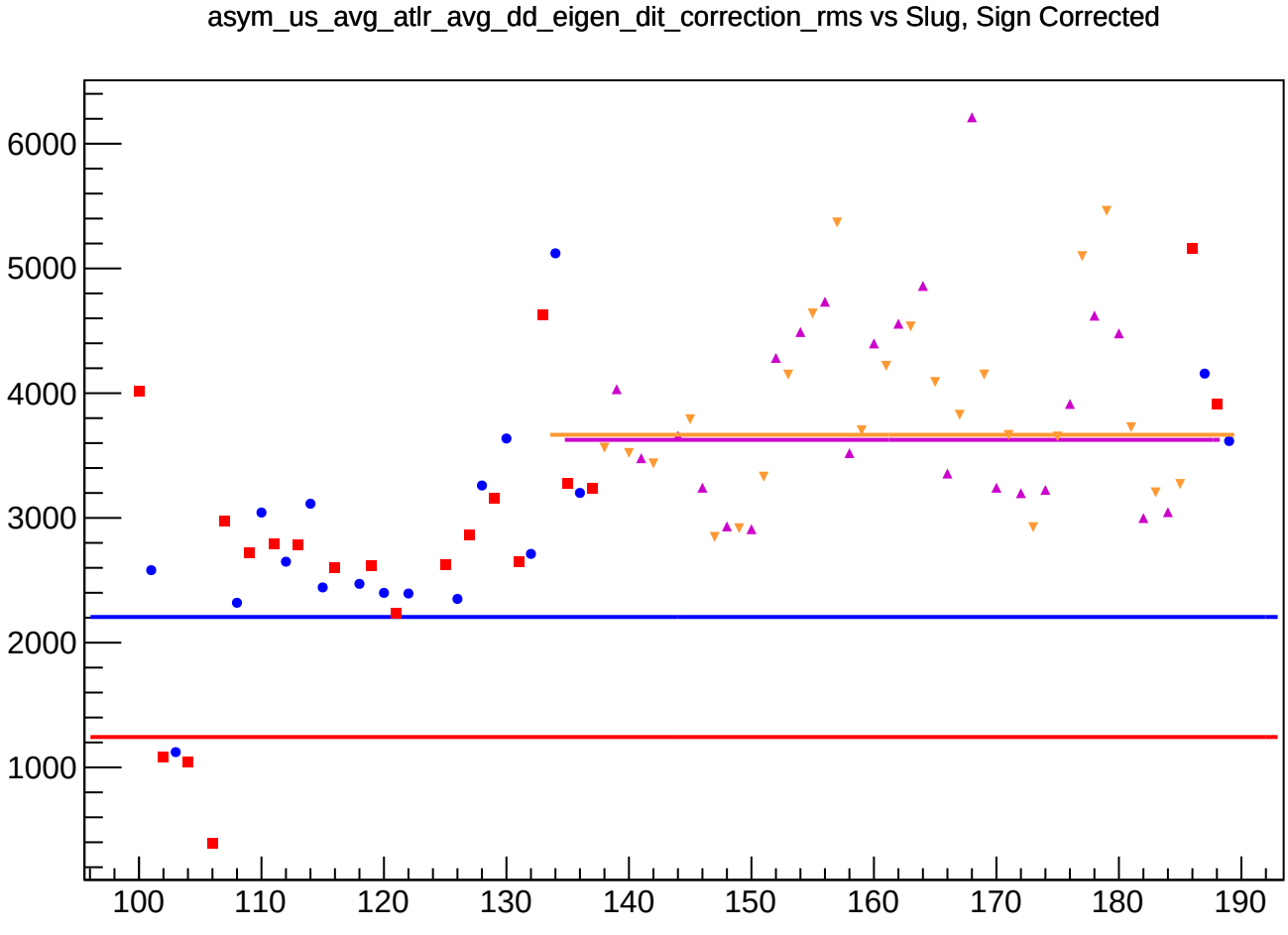
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 15.025+/-468.255 χ^2/NDF: 41.3/37

In: 333.020+/-608.946 χ^2/NDF:28.6/40

Out: -62.454+/-470.149 χ^2/NDF:55.2/43

All: 85.244+/-372.140 χ^2/NDF: 84.1/84



Right In: 2205.879+/-0.606 χ^2/NDF: 2225562.5/17

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1243.465+/-0.395 χ^2/NDF: 7216525.4/19

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

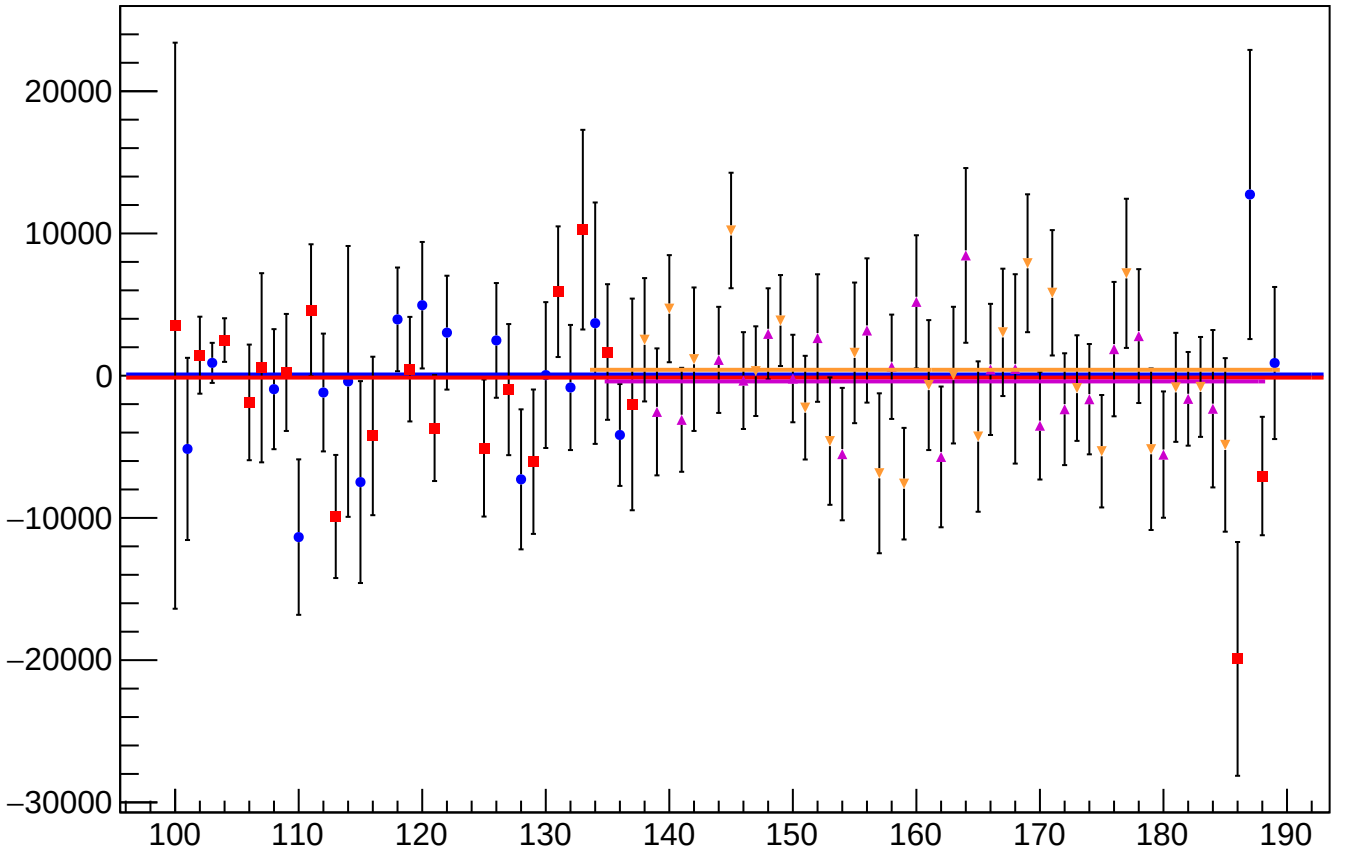
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1530.364+/-0.331 χ^2/NDF: 11209877.2/37

In: 2910.018+/-0.431 χ^2/NDF:6202434.1/40

Out: 1952.005+/-0.332 χ^2/NDF:19304207.7/43

All: 2309.794+/-0.263 χ^2/NDF: 28608037.0/8



Right In: 82.921+/-903.786 χ^2/NDF: 15.3/17

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -133.143+/-871.685 χ^2/NDF: 26.3/19

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

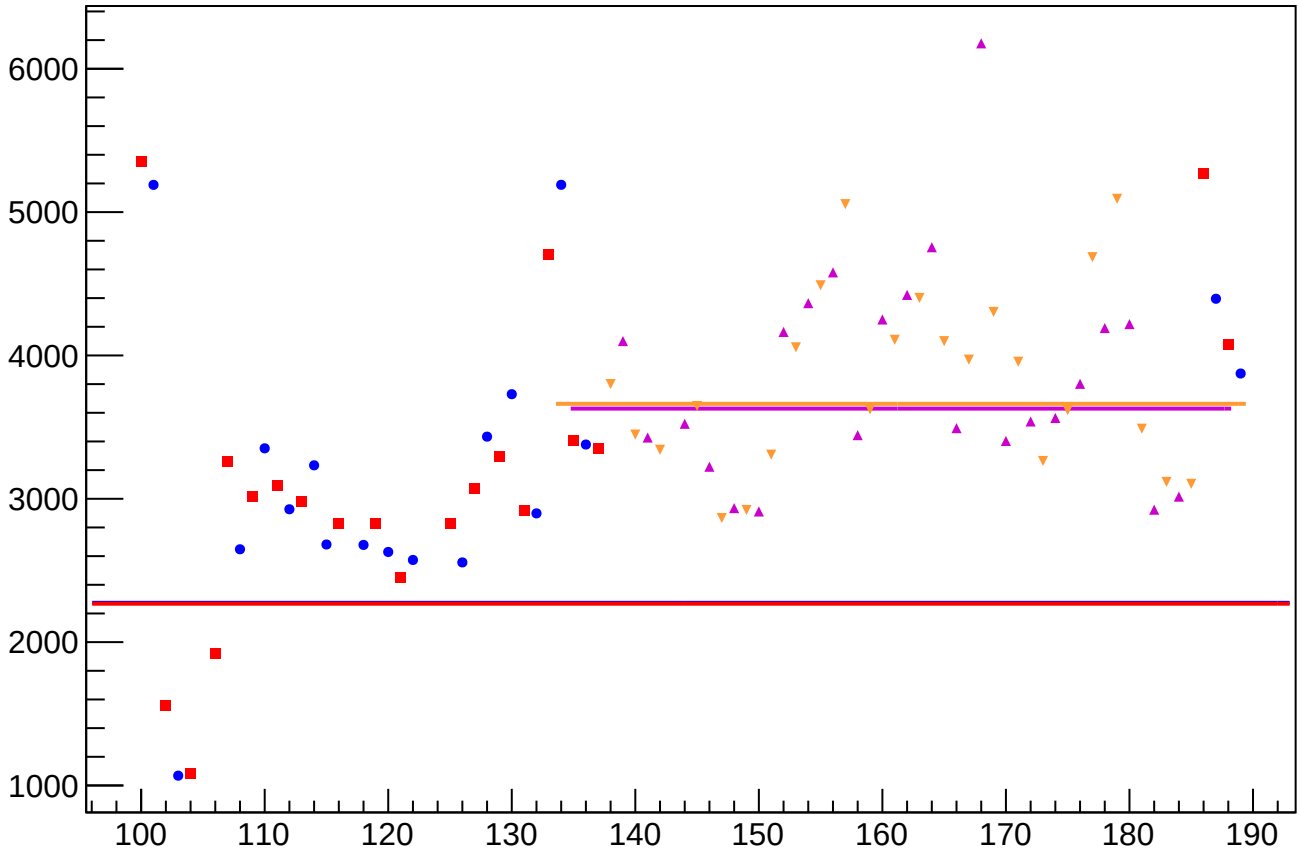
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -29.016+/-627.416 χ^2/NDF: 41.7/37

In: -171.693+/-623.941 χ^2/NDF:27.8/40

Out: 142.175+/-614.116 χ^2/NDF:53.6/43

All: -12.268+/-437.678 χ^2/NDF: 81.6/84



Right In: 2274.199+/-0.639 χ^2/NDF: 3112976.4/17

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2268.009+/-0.615 χ^2/NDF: 2949213.1/19

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

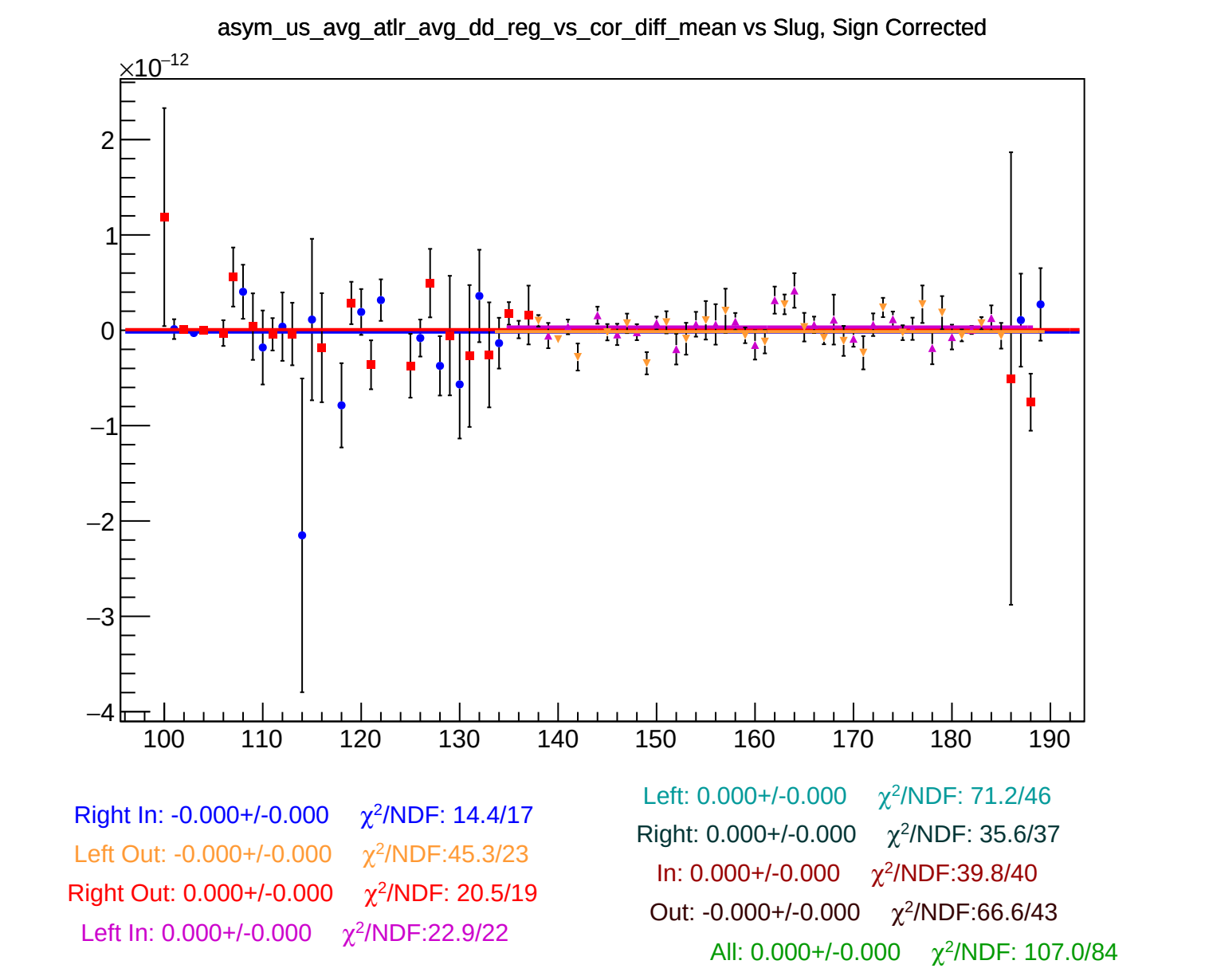
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2270.985+/-0.443 χ^2/NDF: 6062238.2/37

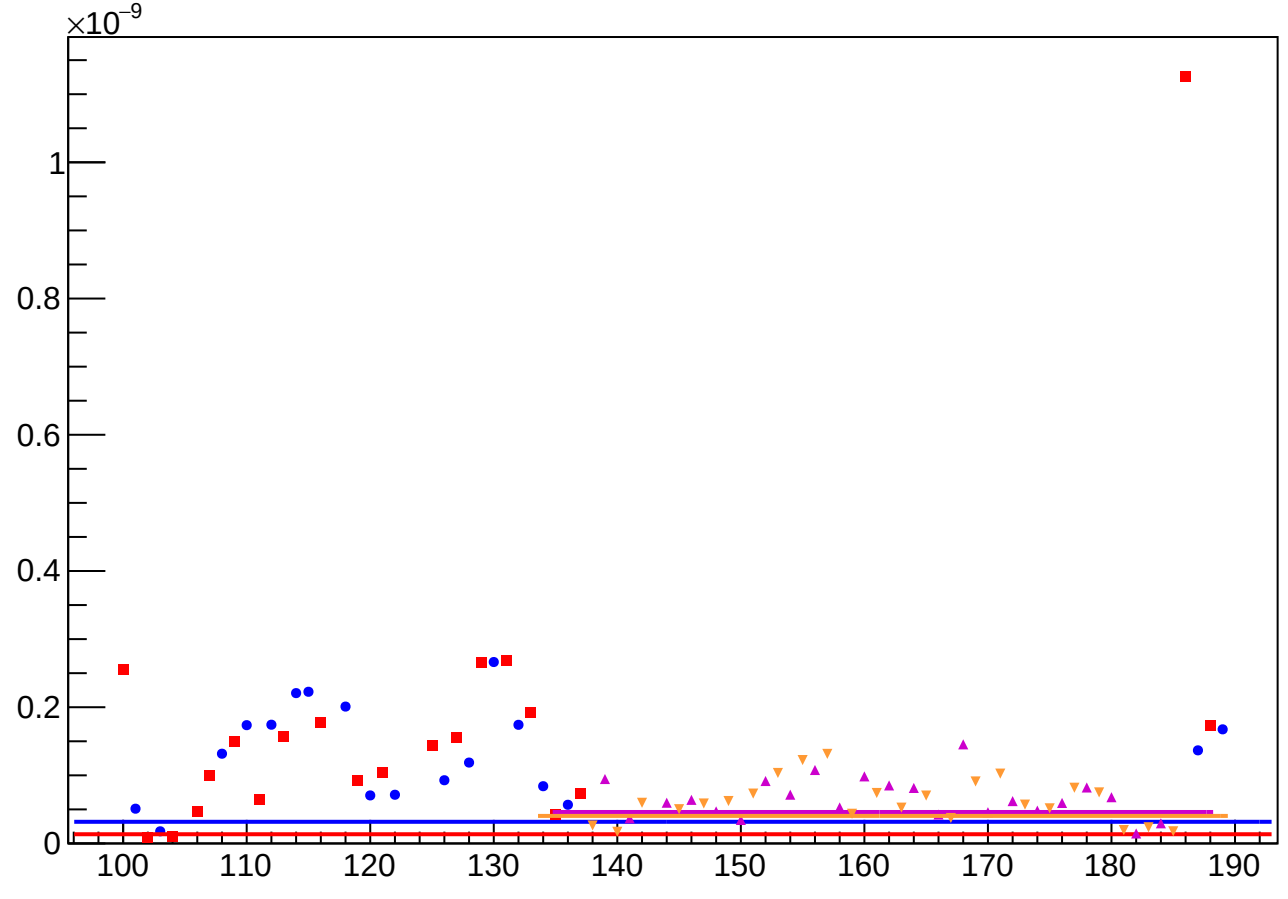
In: 2983.393+/-0.441 χ^2/NDF:6520813.5/40

Out: 2968.858+/-0.434 χ^2/NDF:6427128.8/43

All: 2976.002+/-0.309 χ^2/NDF: 12948494.1/8


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.4/17
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.5/19
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: 0.000+/-0.000 χ²/NDF: 35.6/37
In: 0.000+/-0.000 χ²/NDF:39.8/40
Out: -0.000+/-0.000 χ²/NDF:66.6/43
All: 0.000+/-0.000 χ²/NDF: 107.0/84

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3348146.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4666124.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

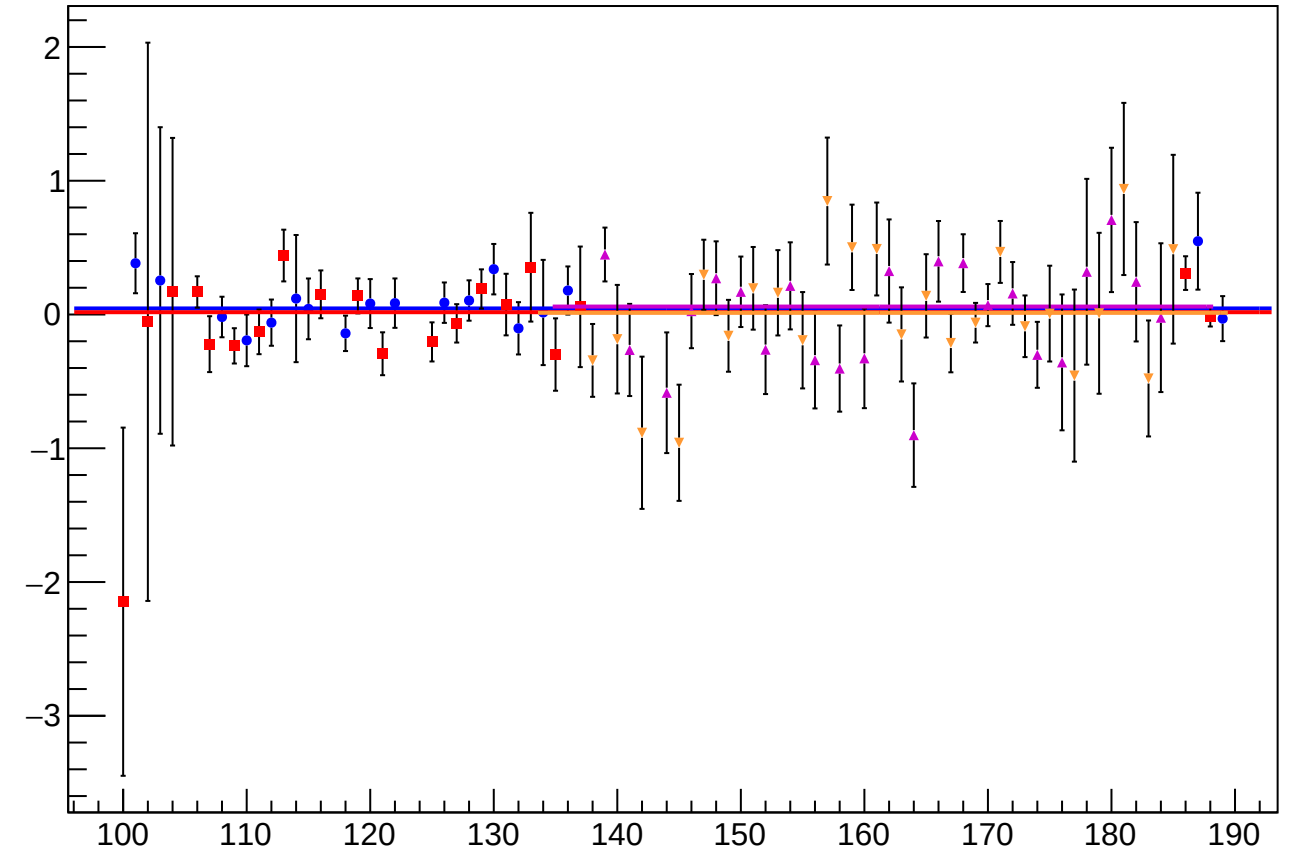
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8784088.4/37

In: 0.000+/-0.000 χ^2/NDF:6696772.8/40

Out: 0.000+/-0.000 χ^2/NDF:10646338.5/43

All: 0.000+/-0.000 χ^2/NDF: 18778363.4/84



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

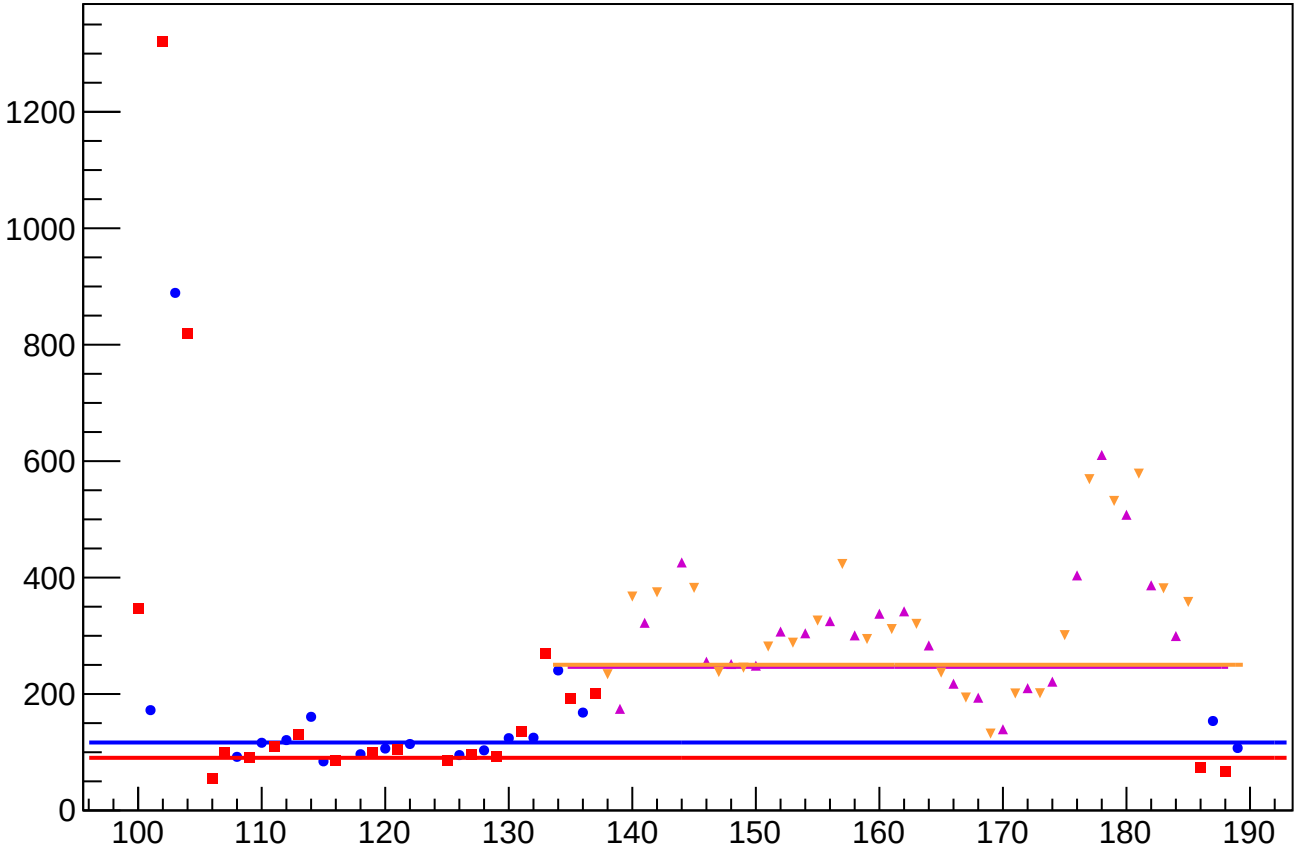
Right: 0.028+/-0.028 χ^2/NDF: 44.5/37

In: 0.050+/-0.037 χ^2/NDF:40.4/40

Out: 0.016+/-0.031 χ^2/NDF:61.2/43

All: 0.030+/-0.024 χ^2/NDF: 102.1/84

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.721+/-0.032 χ^2/NDF: 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 90.412+/-0.025 χ^2/NDF: 3012606.5/19

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

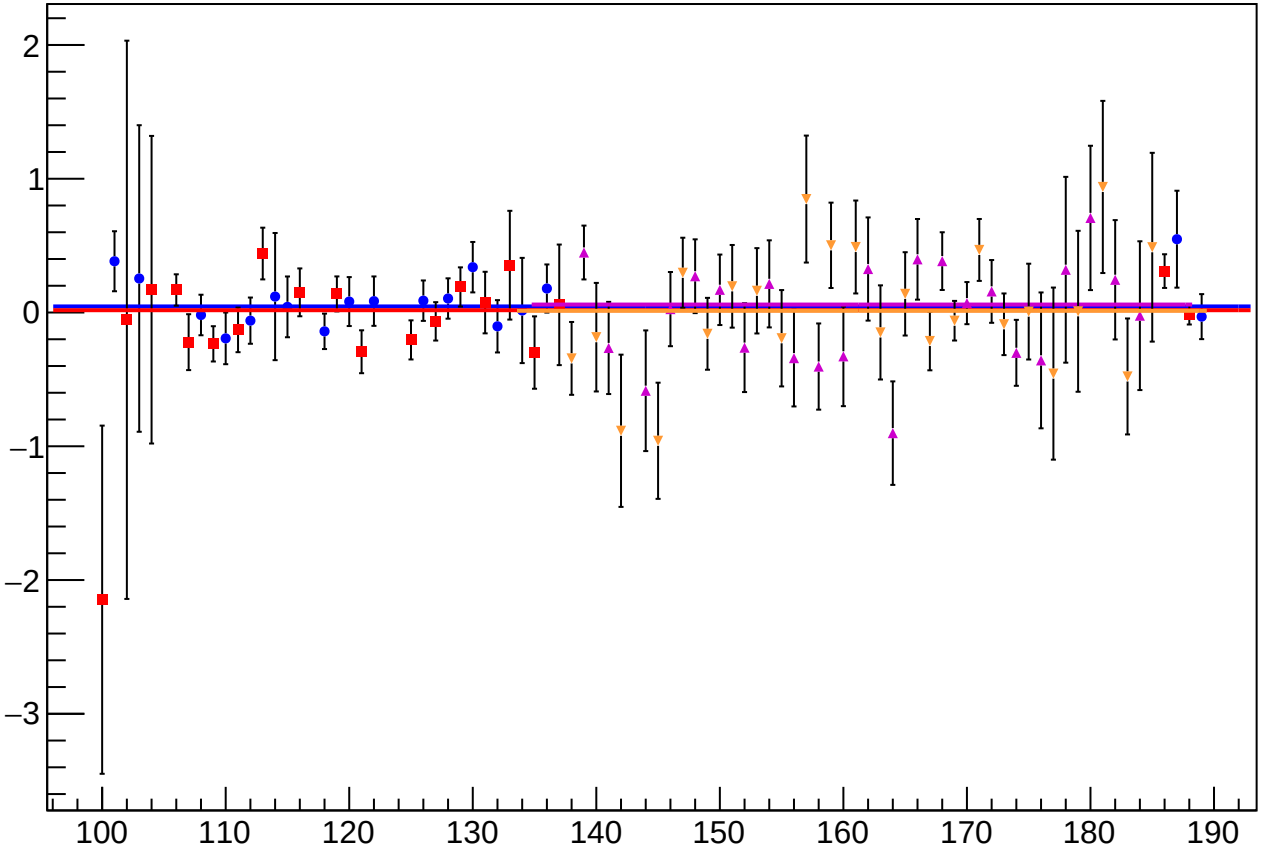
Right: 100.525+/-0.020 χ^2/NDF: 5075418.5/37

In: 161.956+/-0.026 χ^2/NDF:11142308.4/40

Out: 129.442+/-0.022 χ^2/NDF:17093079.4/43

All: 143.097+/-0.017 χ^2/NDF: 29151261.6/84

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

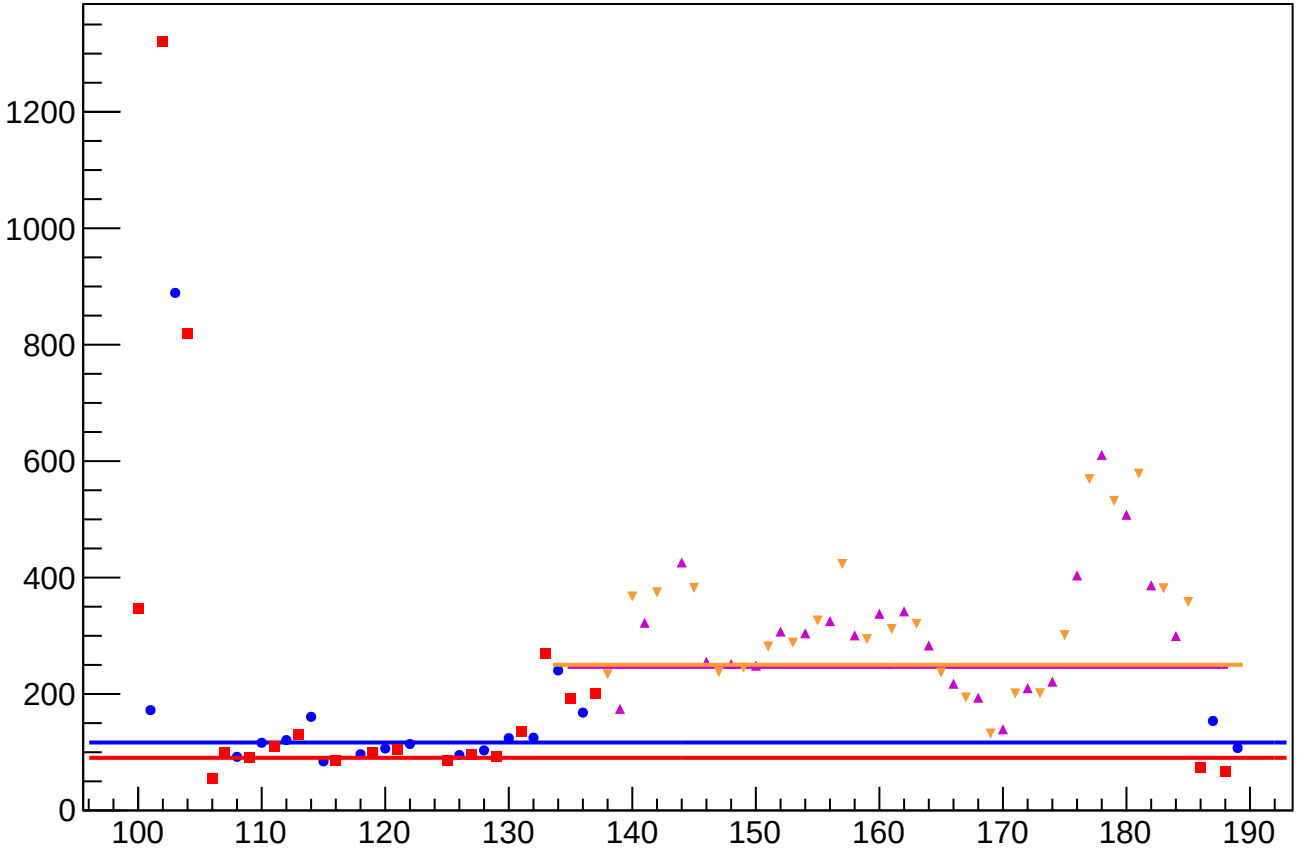
Right: 0.028+/-0.028 χ^2/NDF: 44.5/37

In: 0.050+/-0.037 χ^2/NDF:40.4/40

Out: 0.016+/-0.031 χ^2/NDF:61.2/43

All: 0.030+/-0.024 χ^2/NDF: 102.1/84

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.721+/-0.032 χ^2/NDF: 1647962.1/17

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 90.412+/-0.025 χ^2/NDF: 3012606.5/19

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

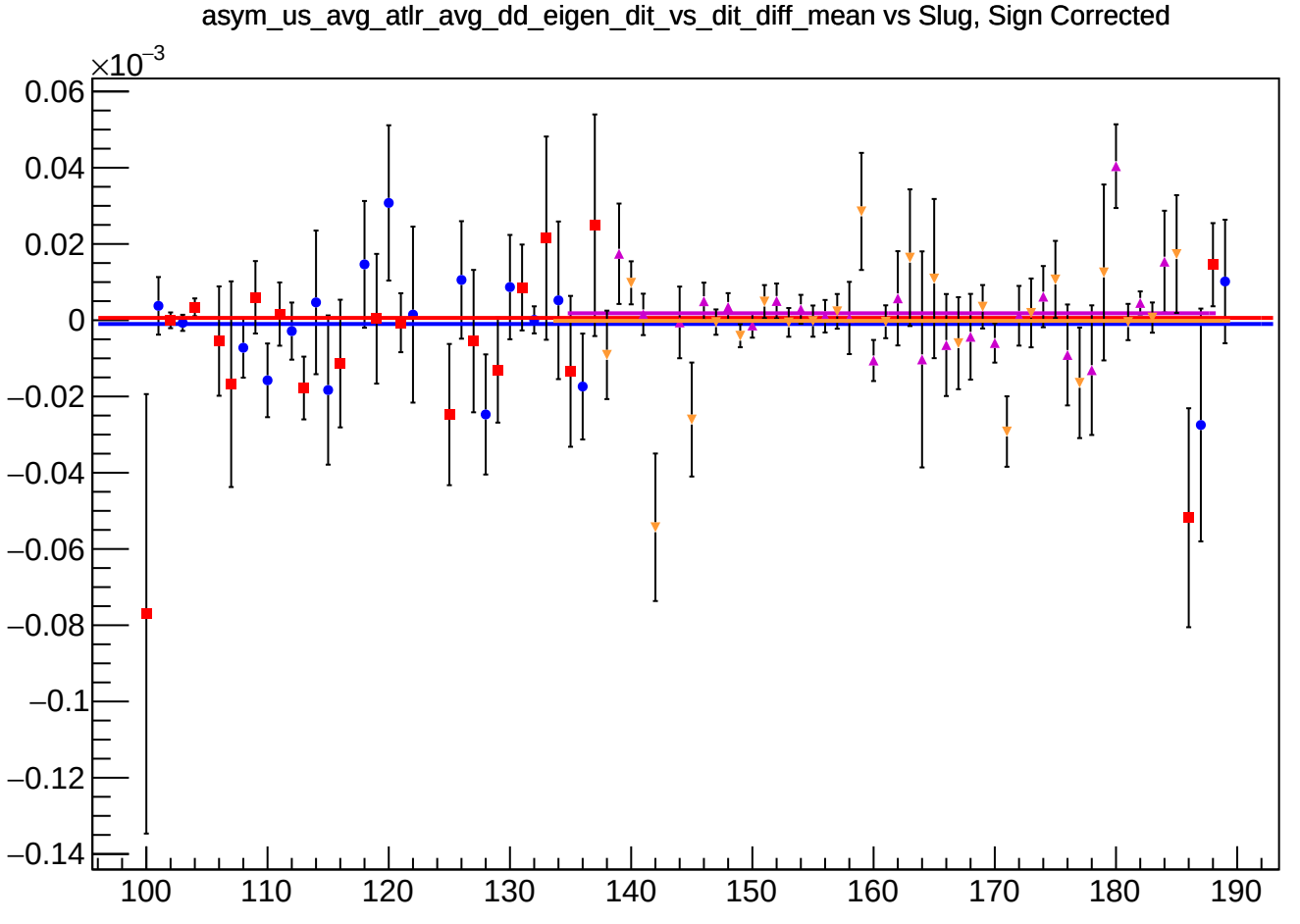
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 100.525+/-0.020 χ^2/NDF: 5075418.5/37

In: 161.956+/-0.026 χ^2/NDF:11142308.4/40

Out: 129.442+/-0.022 χ^2/NDF:17093079.4/43

All: 143.097+/-0.017 χ^2/NDF: 29151261.6/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/19

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

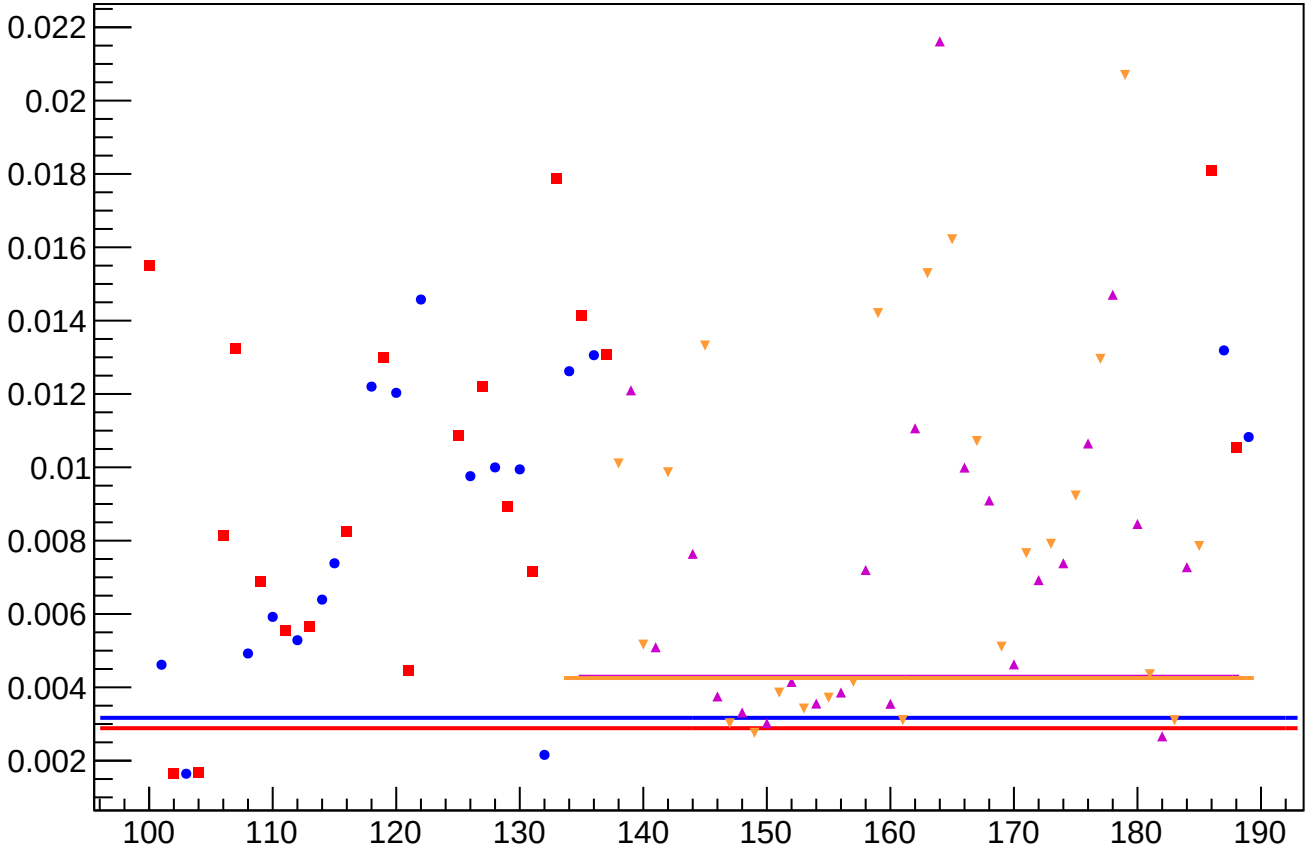
Right: -0.000+/-0.000 χ^2/NDF: 34.4/37

In: 0.000+/-0.000 χ^2/NDF:44.0/40

Out: 0.000+/-0.000 χ^2/NDF:57.4/43

All: 0.000+/-0.000 χ^2/NDF: 101.7/84

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6634700.8/17

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8284762.1/19

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

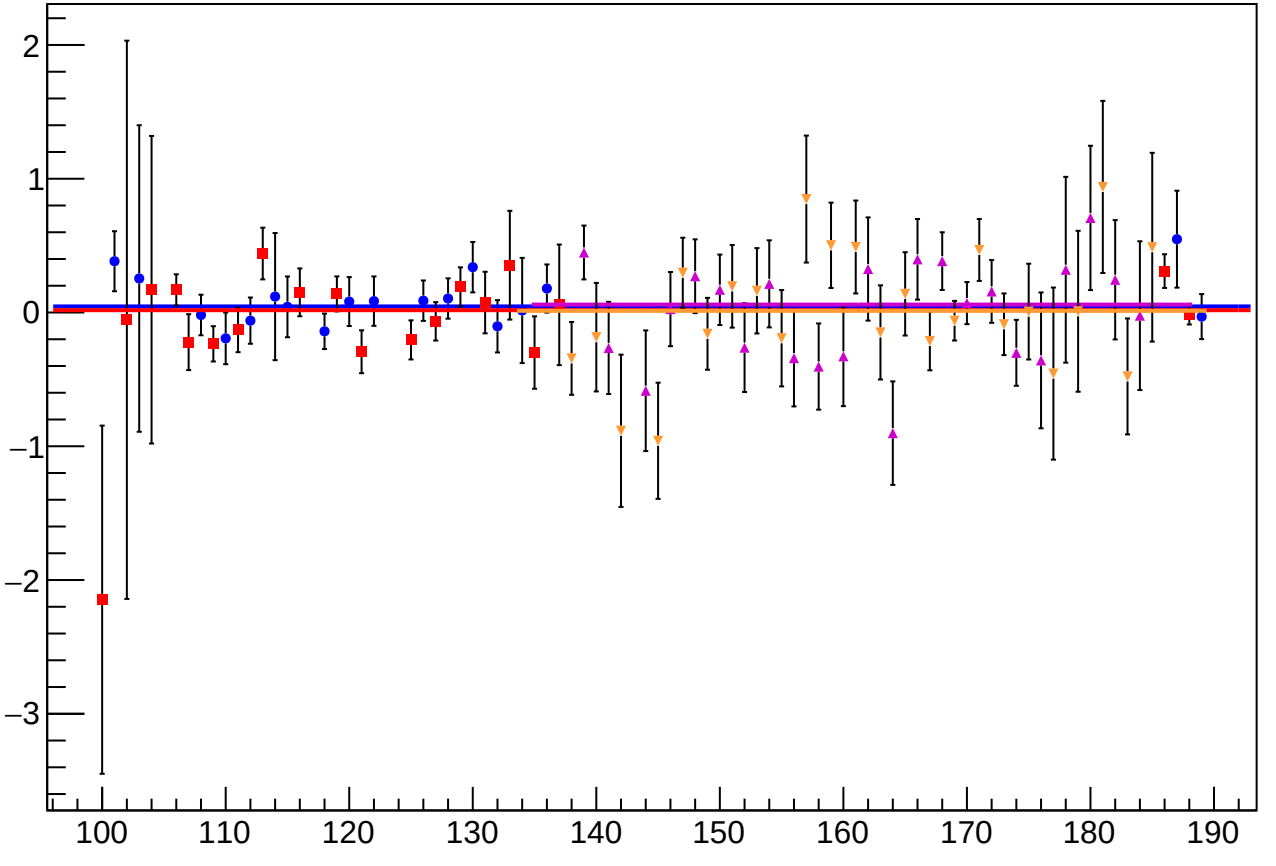
Right: 0.003+/-0.000 χ^2/NDF: 14955909.2/37

In: 0.004+/-0.000 χ^2/NDF:13881130.3/40

Out: 0.004+/-0.000 χ^2/NDF:17919123.5/43

All: 0.004+/-0.000 χ^2/NDF: 31846445.2/84

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

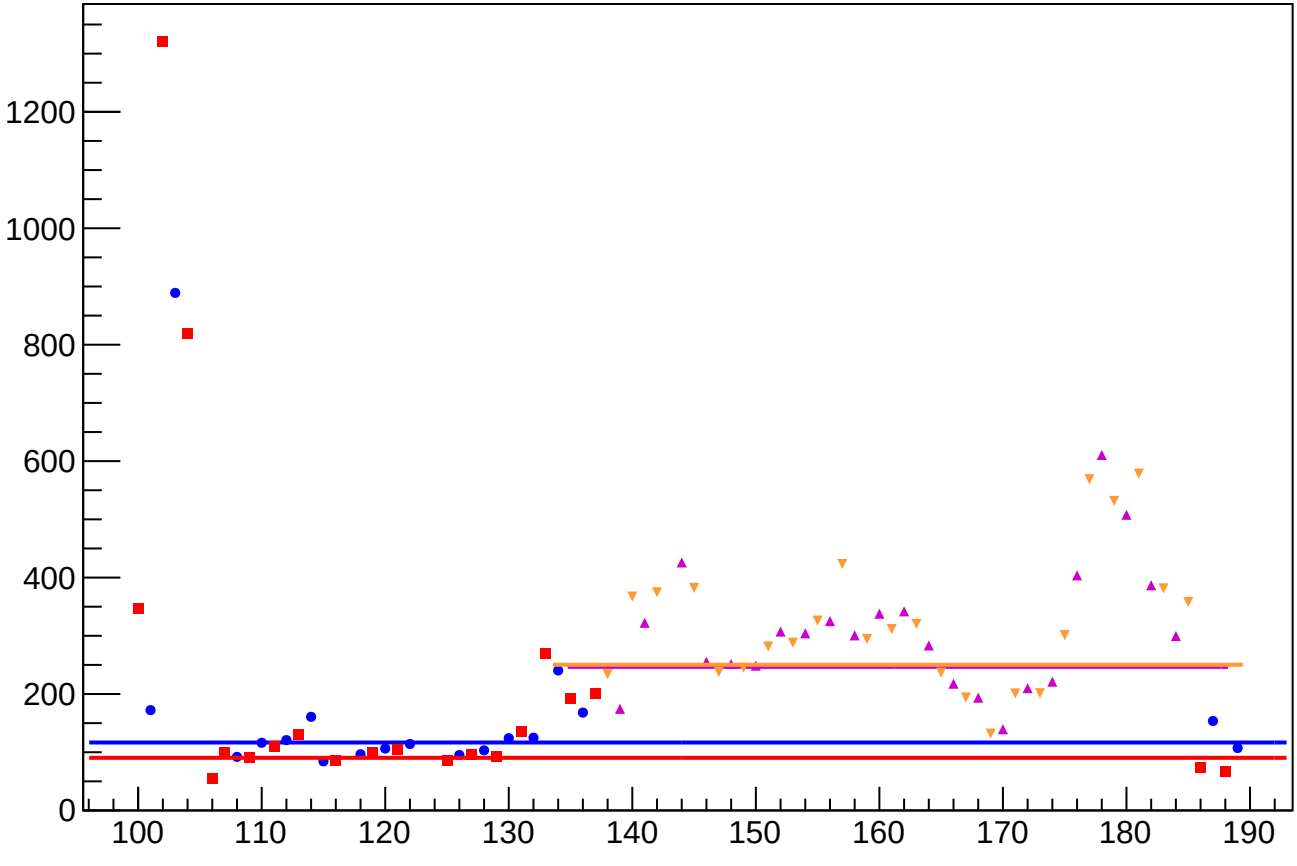
Right: 0.028+/-0.028 χ^2/NDF: 44.5/37

In: 0.050+/-0.037 χ^2/NDF:40.4/40

Out: 0.016+/-0.031 χ^2/NDF:61.2/43

All: 0.030+/-0.024 χ^2/NDF: 102.1/84

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.720+/-0.032 χ^2/NDF: 1647969.8/17

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 90.408+/-0.025 χ^2/NDF: 3012829.1/19

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

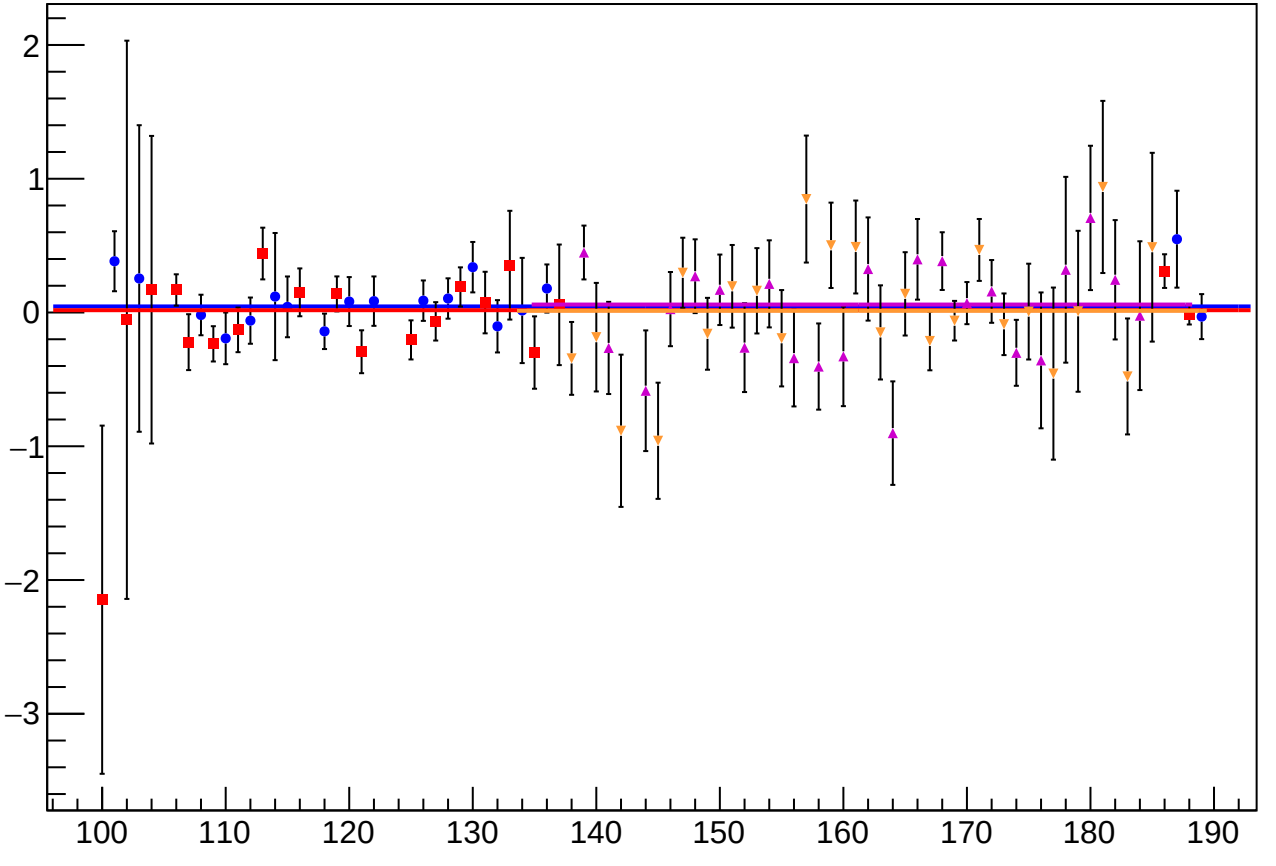
Right: 100.522+/-0.020 χ^2/NDF: 5075754.2/37

In: 161.955+/-0.026 χ^2/NDF:11142548.3/40

Out: 129.438+/-0.022 χ^2/NDF:17094034.8/43

All: 143.094+/-0.017 χ^2/NDF: 29152698.2/84

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.045 χ^2/NDF: 12.4/17

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

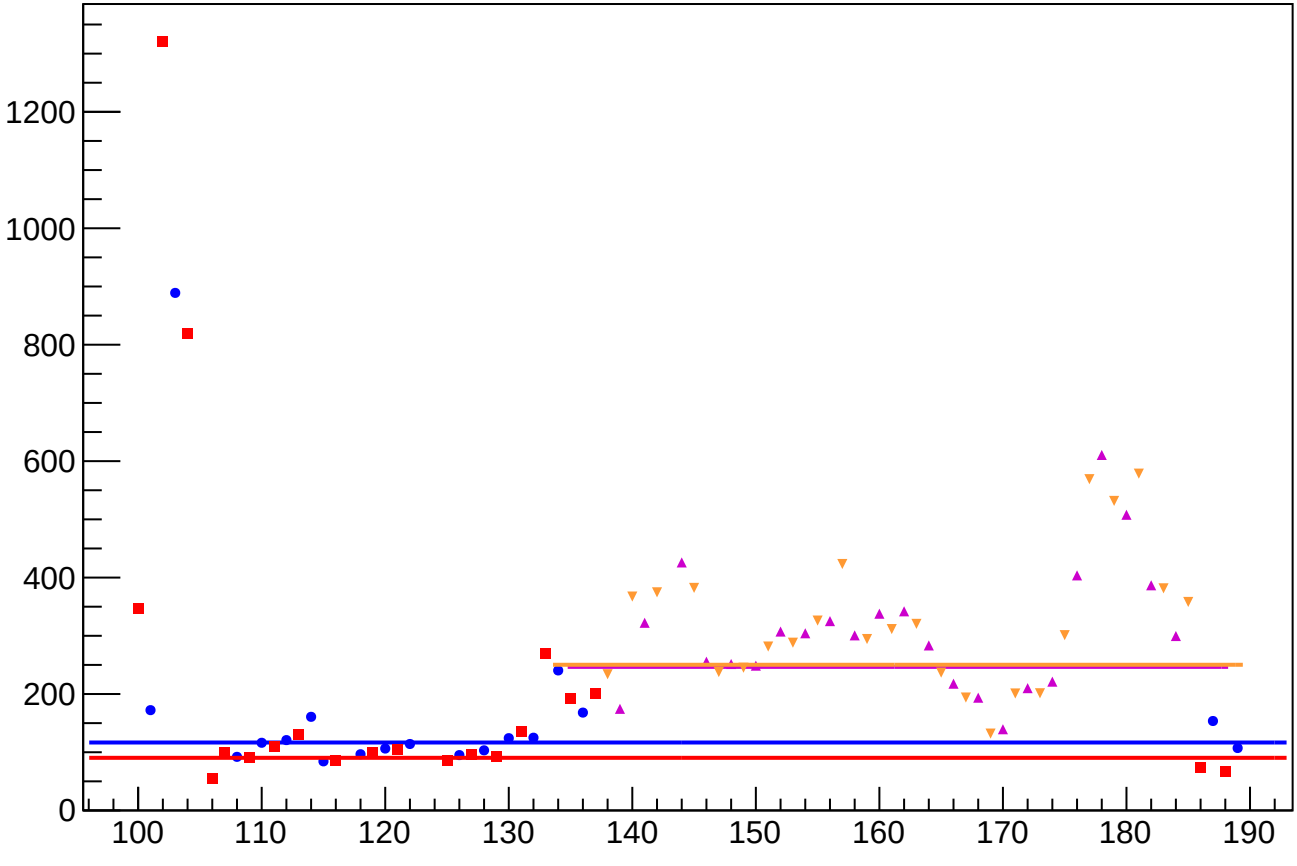
Right: 0.028+/-0.028 χ^2/NDF: 44.5/37

In: 0.050+/-0.037 χ^2/NDF:40.4/40

Out: 0.016+/-0.031 χ^2/NDF:61.2/43

All: 0.030+/-0.024 χ^2/NDF: 102.1/84

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.720+/-0.032 χ^2/NDF: 1647969.8/17

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 90.408+/-0.025 χ^2/NDF: 3012829.1/19

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

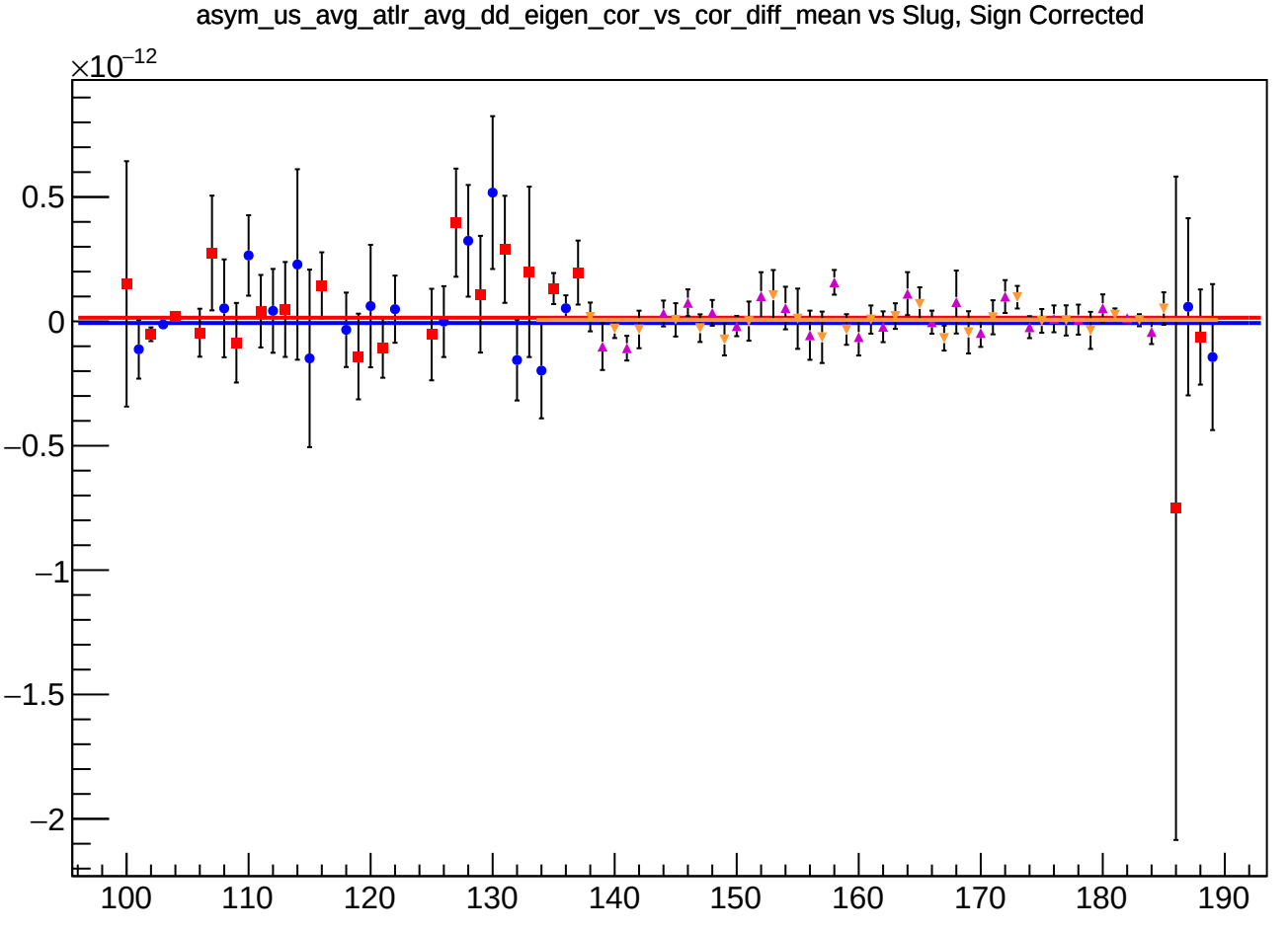
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

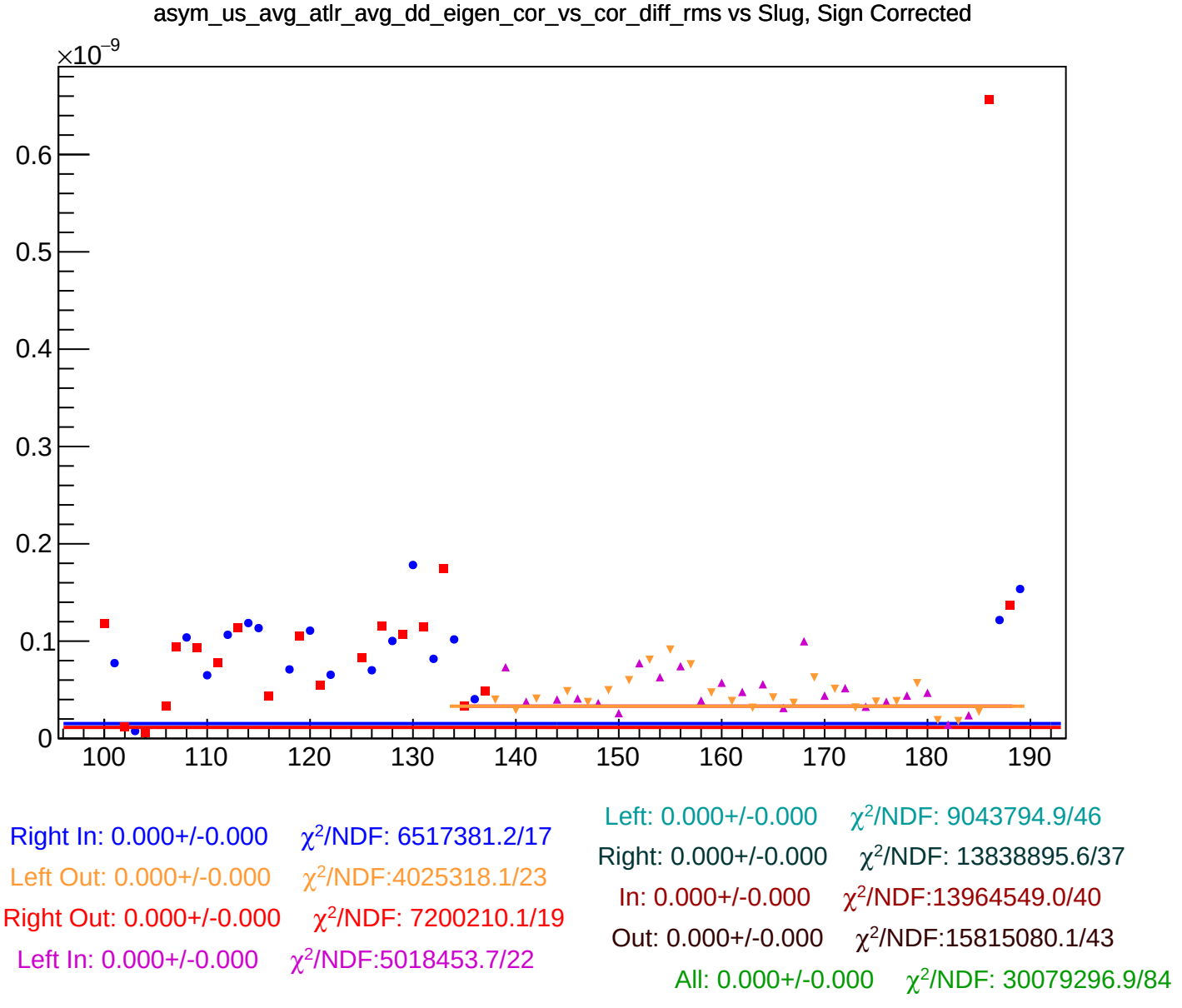
Right: 100.522+/-0.020 χ^2/NDF: 5075754.2/37

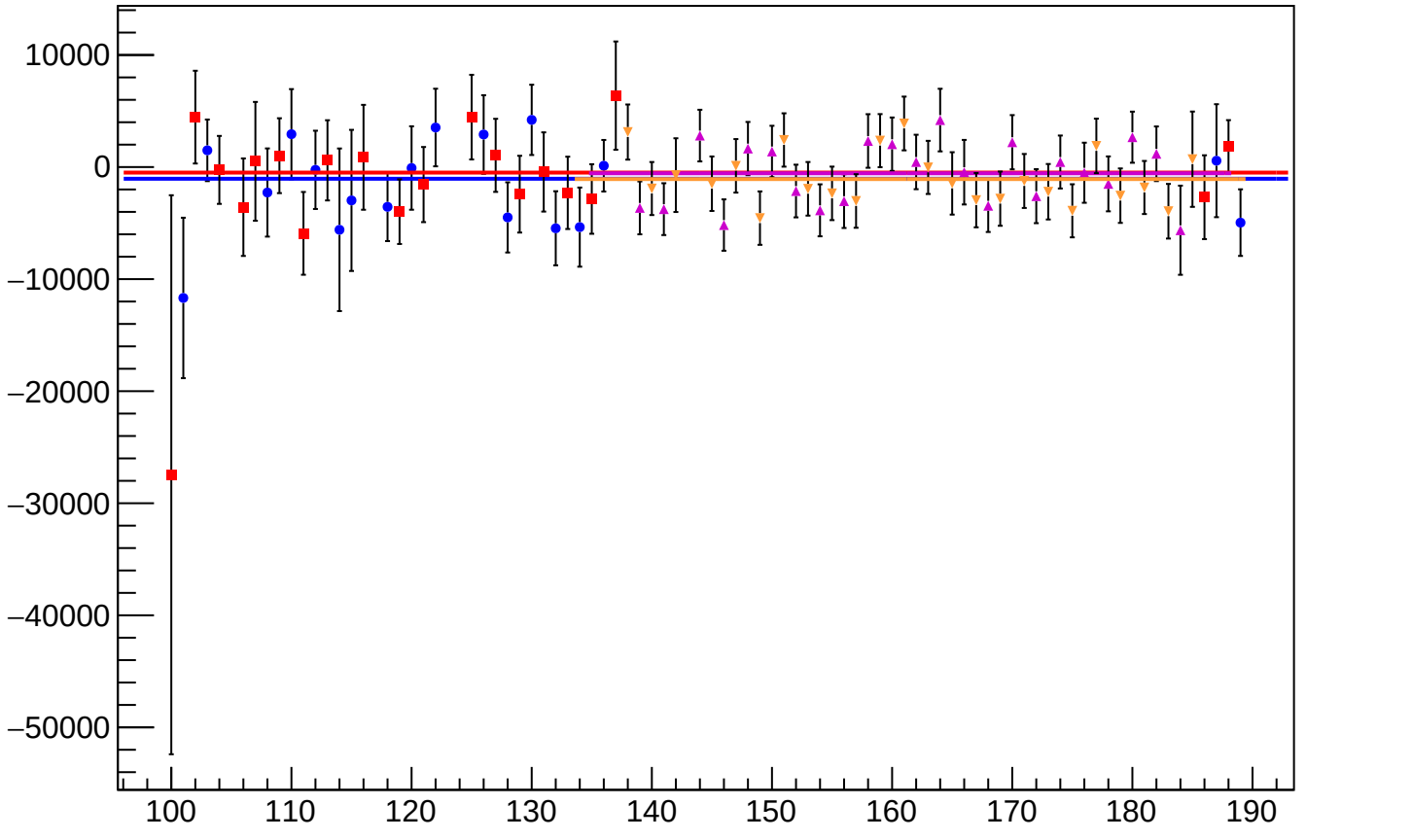
In: 161.955+/-0.026 χ^2/NDF:11142548.3/40

Out: 129.438+/-0.022 χ^2/NDF:17094034.8/43

All: 143.094+/-0.017 χ^2/NDF: 29152698.2/84


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.3/17
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.4/19
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
Left: 0.000+/-0.000 χ²/NDF: 41.8/46
Right: 0.000+/-0.000 χ²/NDF: 37.5/37
In: 0.000+/-0.000 χ²/NDF:42.3/40
Out: 0.000+/-0.000 χ²/NDF:36.6/43
All: 0.000+/-0.000 χ²/NDF: 79.3/84


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 6517381.2/17
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 7200210.1/19
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 13838895.6/37
In: 0.000+/-0.000 χ²/NDF:13964549.0/40
Out: 0.000+/-0.000 χ²/NDF:15815080.1/43
All: 0.000+/-0.000 χ²/NDF: 30079296.9/84



Right In: -1043.624+/-825.975 χ^2/NDF: 17.8/17

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -494.380+/-795.359 χ^2/NDF: 13.8/19

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

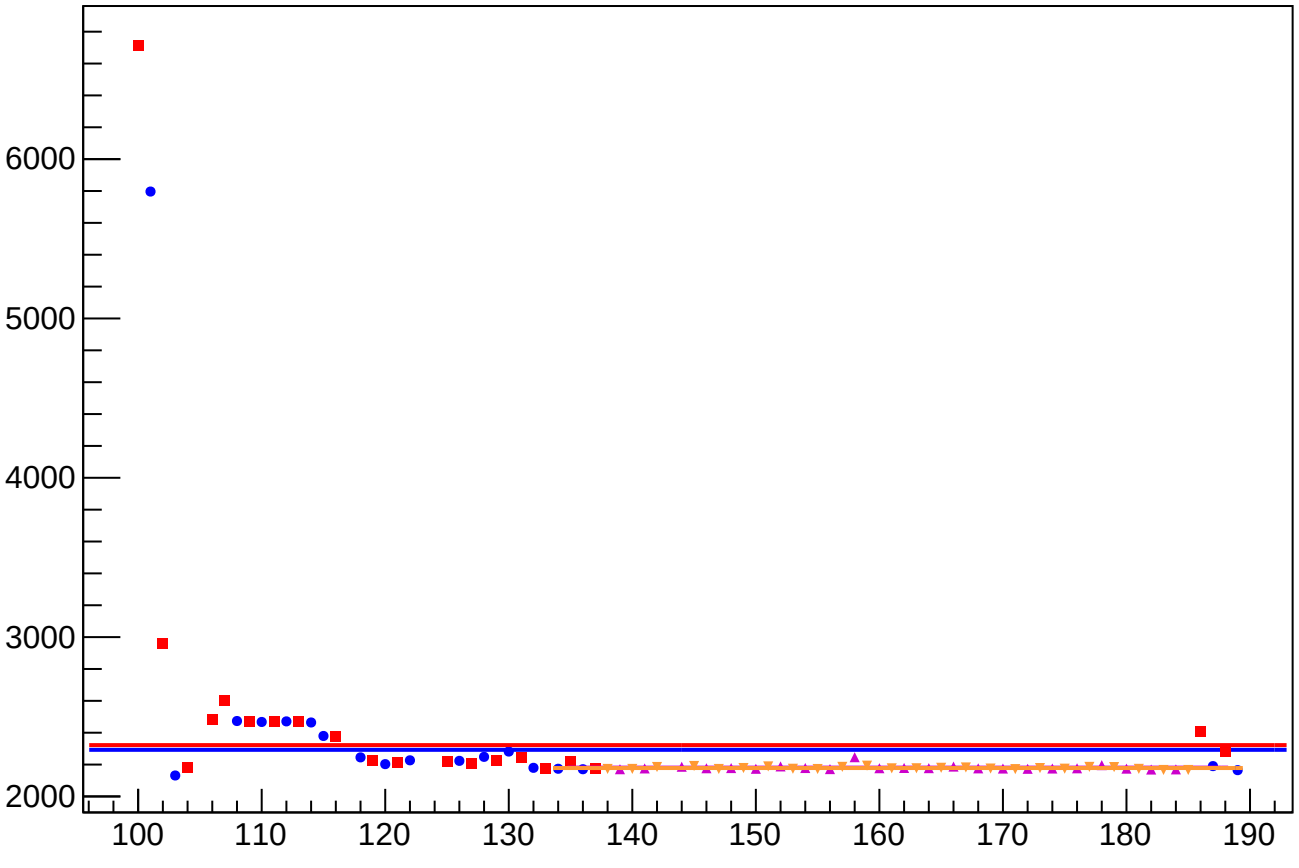
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -758.635+/-572.921 χ^2/NDF: 31.8/37

In: -691.053+/-433.457 χ^2/NDF:46.8/40

Out: -906.407+/-426.646 χ^2/NDF:35.7/43

All: -800.435+/-304.064 χ^2/NDF: 82.6/84



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.1/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2322.153+/-0.562 χ^2/NDF: 153327.0/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

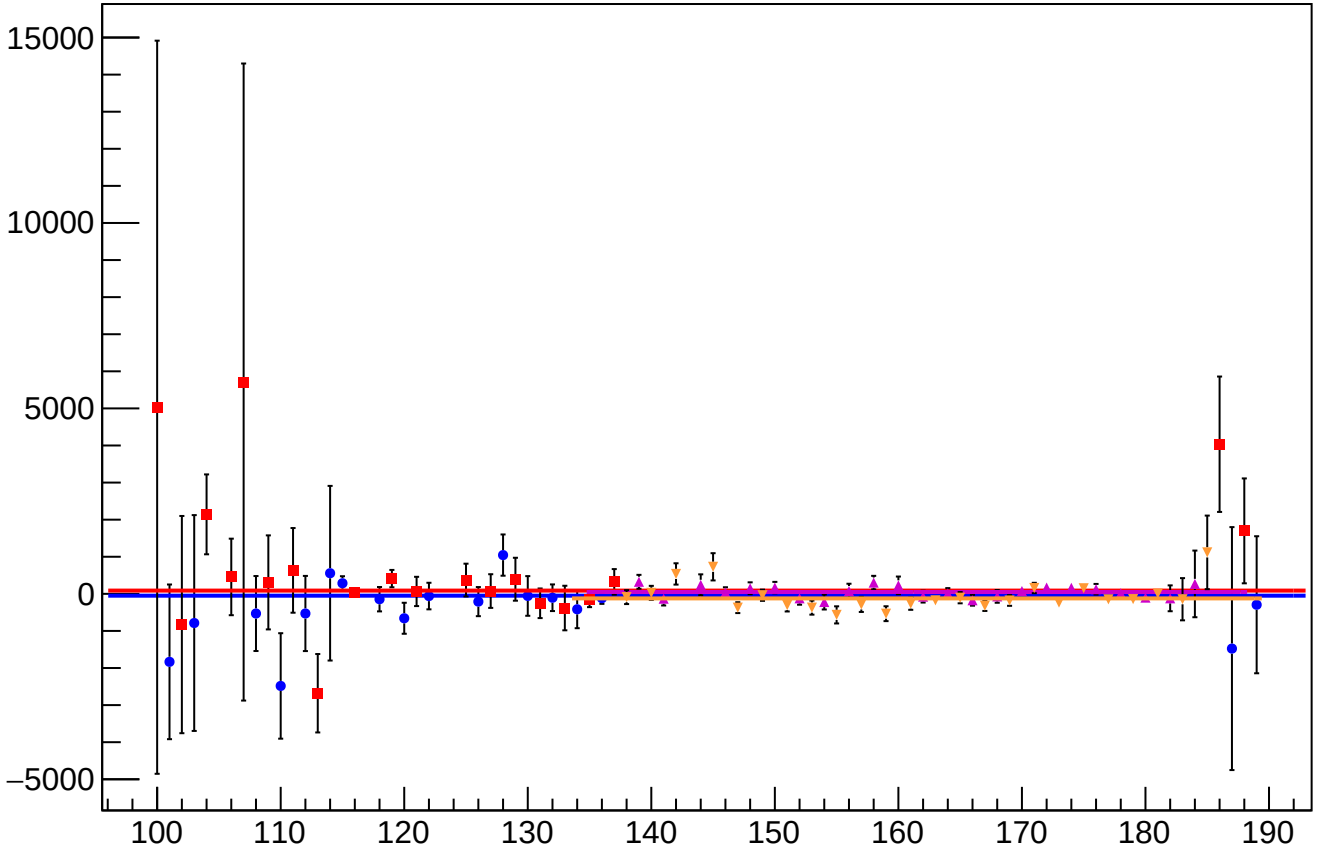
Right: 2307.923+/-0.405 χ^2/NDF: 673837.8/37

In: 2211.669+/-0.307 χ^2/NDF:547529.3/40

Out: 2219.654+/-0.302 χ^2/NDF:200351.4/43

All: 2215.724+/-0.215 χ^2/NDF: 748225.5/84

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -49.618+/-90.769 χ^2/NDF: 14.6/17

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 87.703+/-82.161 χ^2/NDF: 23.6/19

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

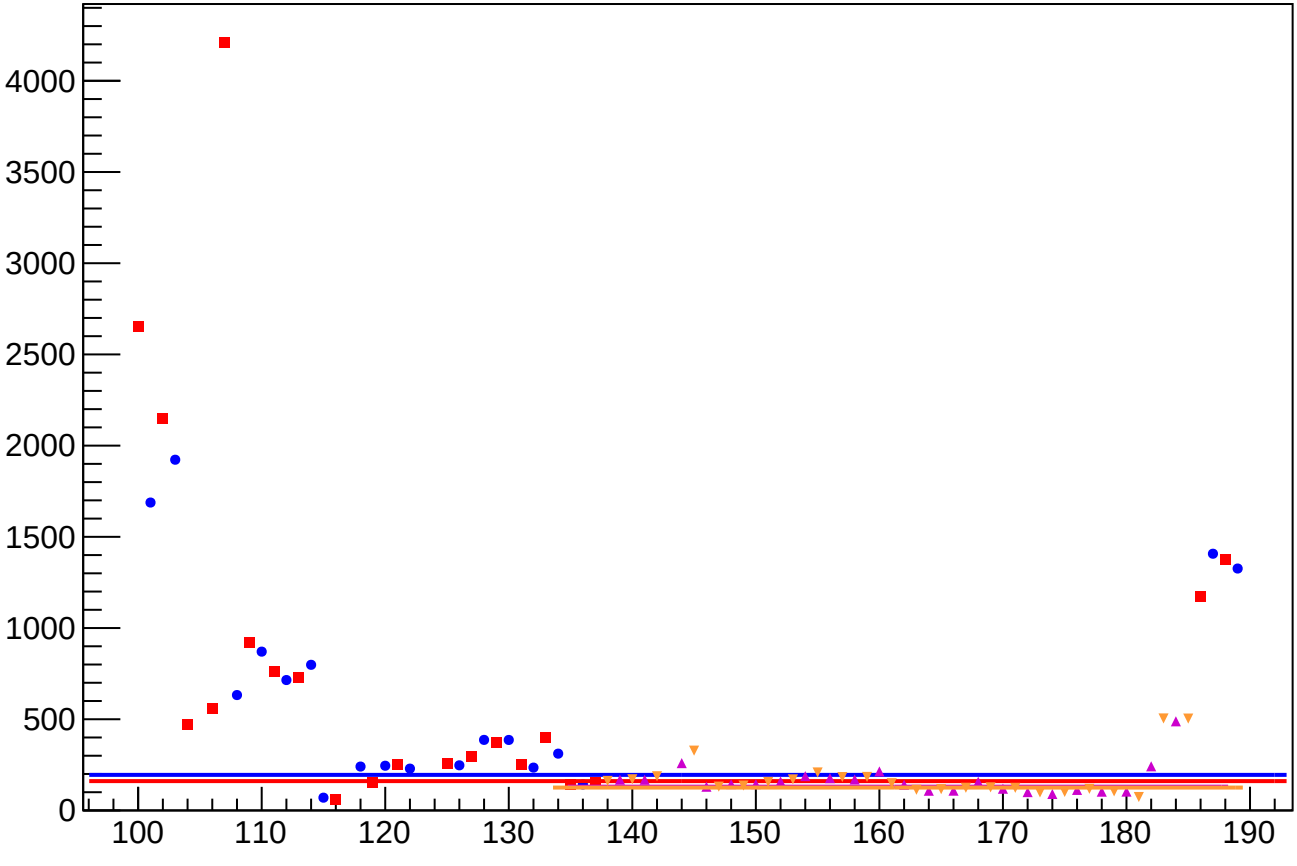
Right: 25.862+/-60.913 χ^2/NDF: 39.5/37

In: 38.933+/-30.635 χ^2/NDF:33.9/40

Out: -96.141+/-29.338 χ^2/NDF:73.2/43

All: -31.526+/-21.189 χ^2/NDF: 117.2/84

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 195.054+/-0.064 χ^2/NDF: 6091818.8/17

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 160.860+/-0.058 χ^2/NDF: 8255840.3/19

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

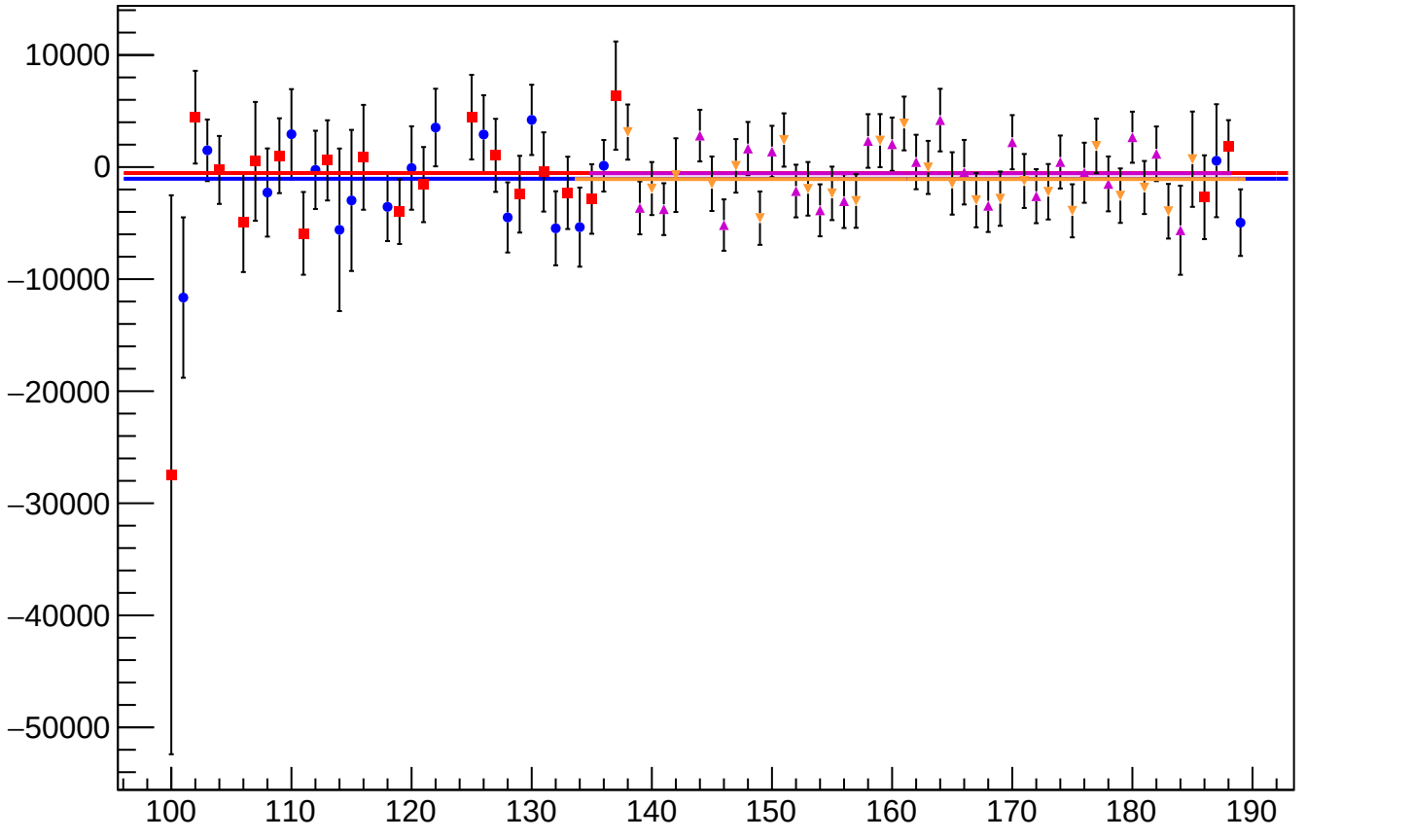
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 176.259+/-0.043 χ^2/NDF: 14503662.4/37

In: 137.797+/-0.022 χ^2/NDF:9669622.5/40

Out: 130.014+/-0.021 χ^2/NDF:12521688.8/43

All: 133.737+/-0.015 χ^2/NDF: 22258644.9/84



Right In: -1042.743+/-825.975 χ^2/NDF: 17.8/17

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -533.477+/-795.911 χ^2/NDF: 14.3/19

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

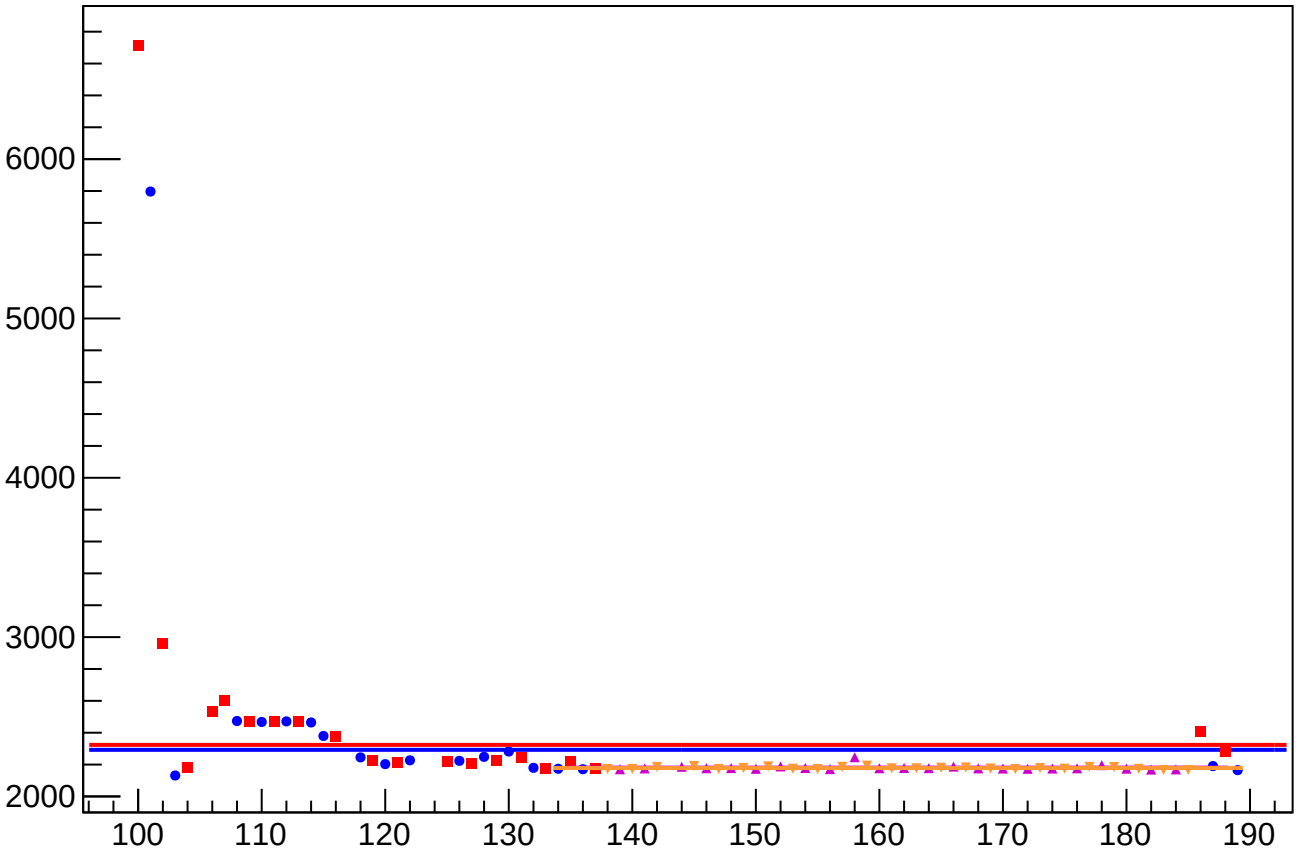
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -778.673+/-573.128 χ^2/NDF: 32.3/37

In: -690.829+/-433.457 χ^2/NDF:46.8/40

Out: -917.761+/-426.732 χ^2/NDF:36.2/43

All: -806.069+/-304.095 χ^2/NDF: 83.0/84



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.4/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2323.555+/-0.563 χ^2/NDF: 155127.2/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

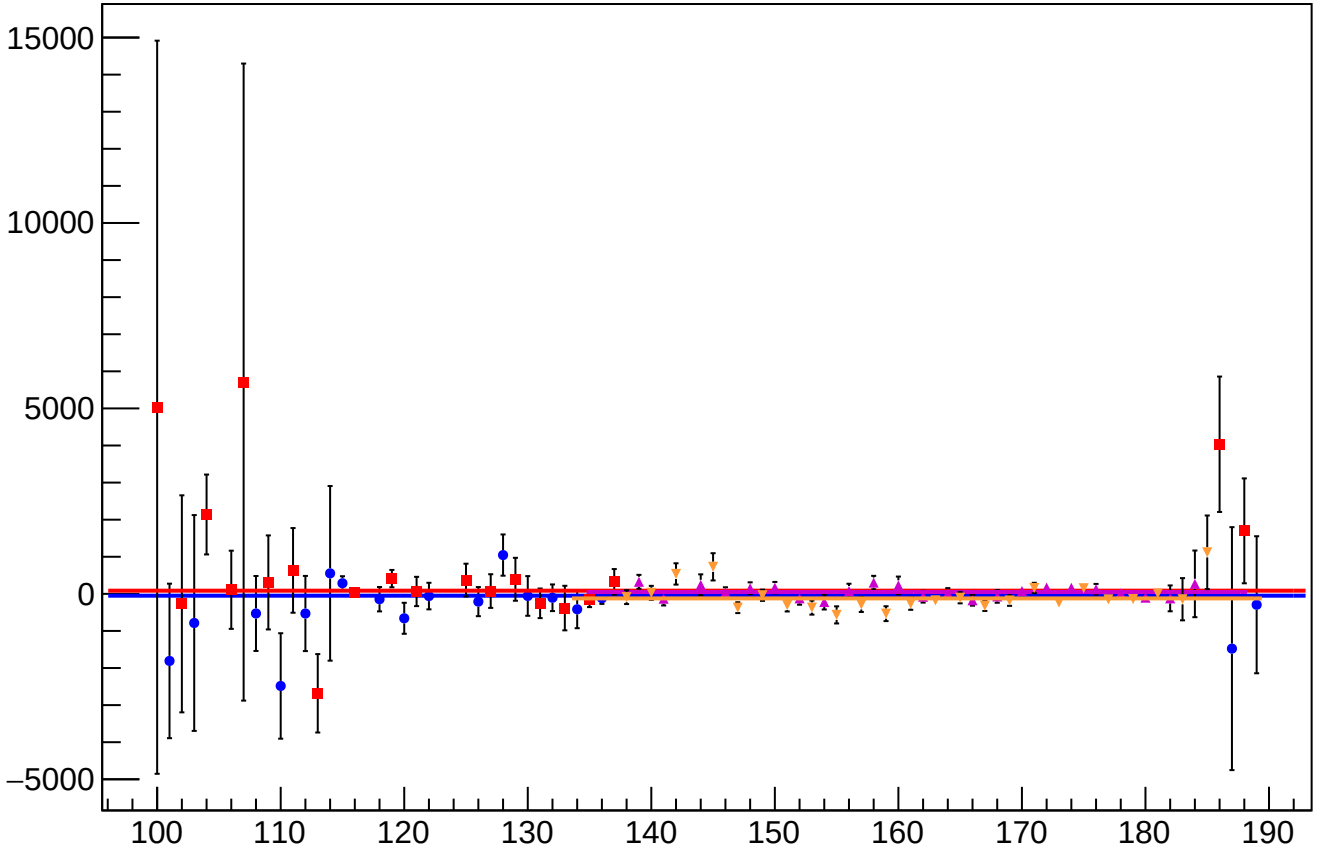
Right: 2308.640+/-0.405 χ^2/NDF: 675766.4/37

In: 2211.669+/-0.307 χ^2/NDF:547529.6/40

Out: 2220.016+/-0.302 χ^2/NDF:203017.8/43

All: 2215.908+/-0.215 χ^2/NDF: 750924.1/84

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -49.652+/-90.775 χ^2/NDF: 14.6/17

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 85.694+/-82.100 χ^2/NDF: 23.4/19

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

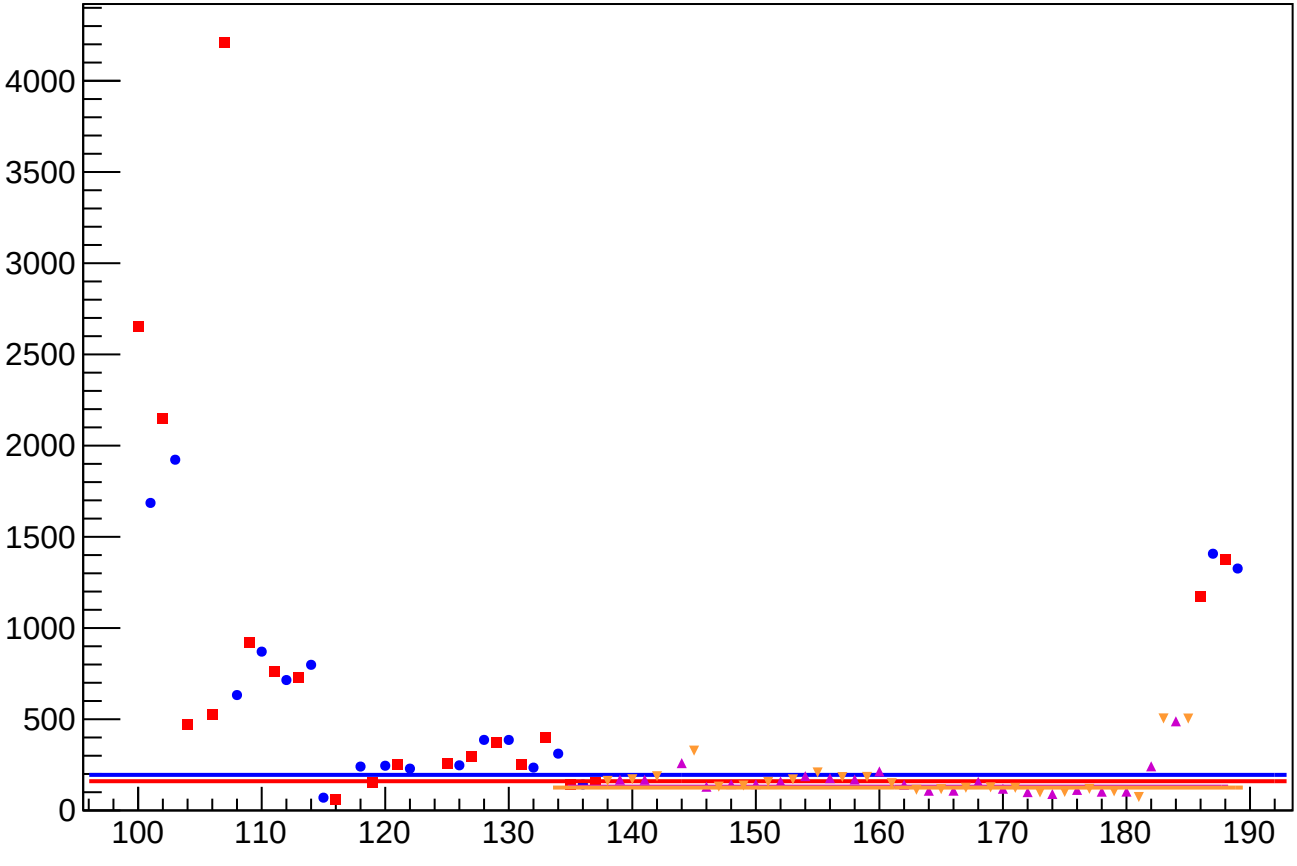
Right: 24.796+/-60.890 χ^2/NDF: 39.2/37

In: 38.833+/-30.638 χ^2/NDF:33.9/40

Out: -96.294+/-29.335 χ^2/NDF:72.8/43

All: -31.666+/-21.189 χ^2/NDF: 116.9/84

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 195.079+/-0.064 χ^2/NDF: 6090644.3/17

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 160.298+/-0.058 χ^2/NDF: 8212251.1/19

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

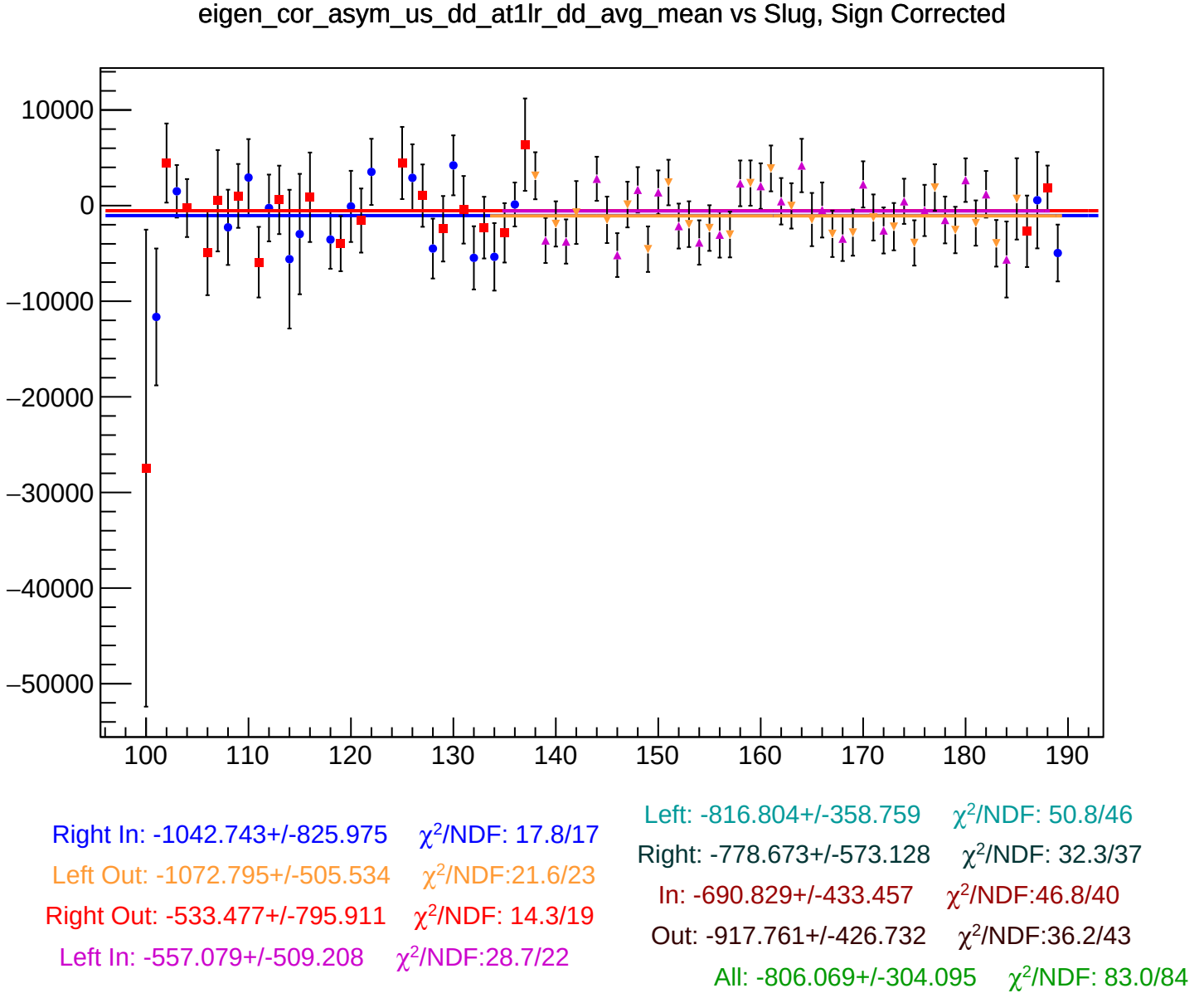
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

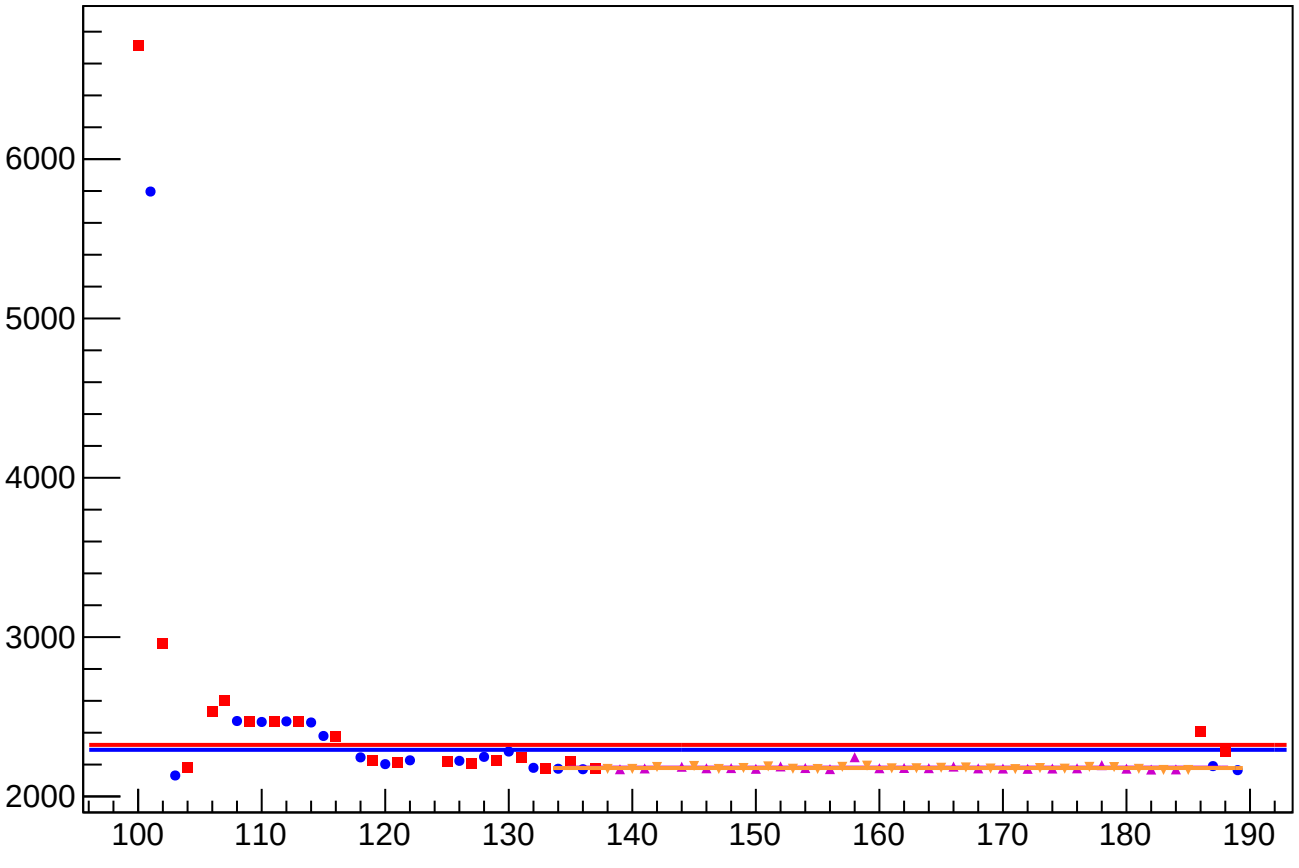
Right: 175.948+/-0.043 χ^2/NDF: 14464392.8/37

In: 137.813+/-0.022 χ^2/NDF:9668280.3/40

Out: 129.945+/-0.021 χ^2/NDF:12469214.0/43

All: 133.708+/-0.015 χ^2/NDF: 22206314.3/84


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1042.743+/-825.975 χ²/NDF: 17.8/17
Left Out: -1072.795+/-505.534 χ²/NDF:21.6/23
Right Out: -533.477+/-795.911 χ²/NDF: 14.3/19
Left In: -557.079+/-509.208 χ²/NDF:28.7/22
Left: -816.804+/-358.759 χ²/NDF: 50.8/46
Right: -778.673+/-573.128 χ²/NDF: 32.3/37
In: -690.829+/-433.457 χ²/NDF:46.8/40
Out: -917.761+/-426.732 χ²/NDF:36.2/43
All: -806.069+/-304.095 χ²/NDF: 83.0/84



Right In: 2292.576+/-0.584 χ^2/NDF: 519180.4/17

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2323.555+/-0.563 χ^2/NDF: 155127.2/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

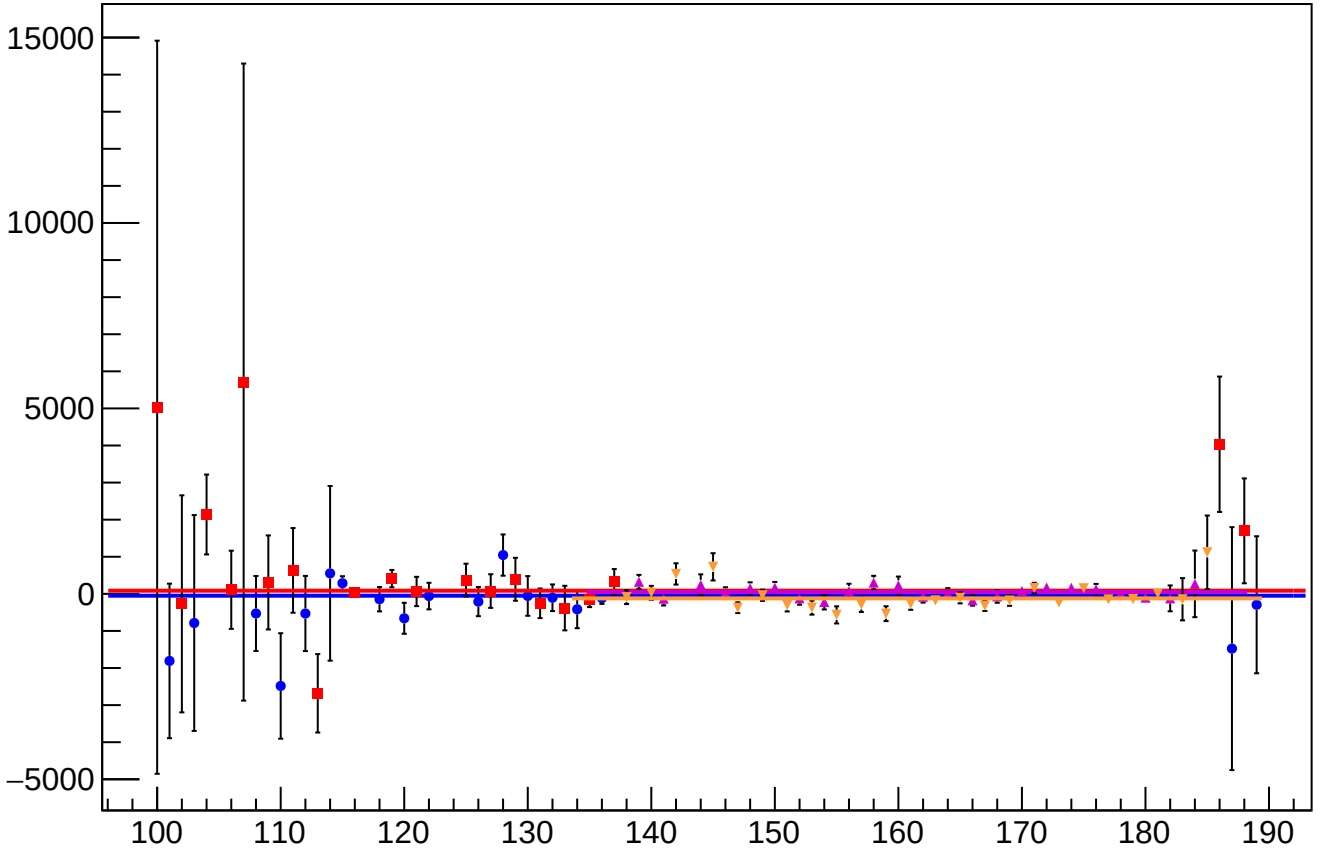
Right: 2308.640+/-0.405 χ^2/NDF: 675766.4/37

In: 2211.669+/-0.307 χ^2/NDF:547529.6/40

Out: 2220.016+/-0.302 χ^2/NDF:203017.8/43

All: 2215.908+/-0.215 χ^2/NDF: 750924.1/84

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -49.652+/-90.775 χ^2/NDF: 14.6/17

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 85.694+/-82.100 χ^2/NDF: 23.4/19

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

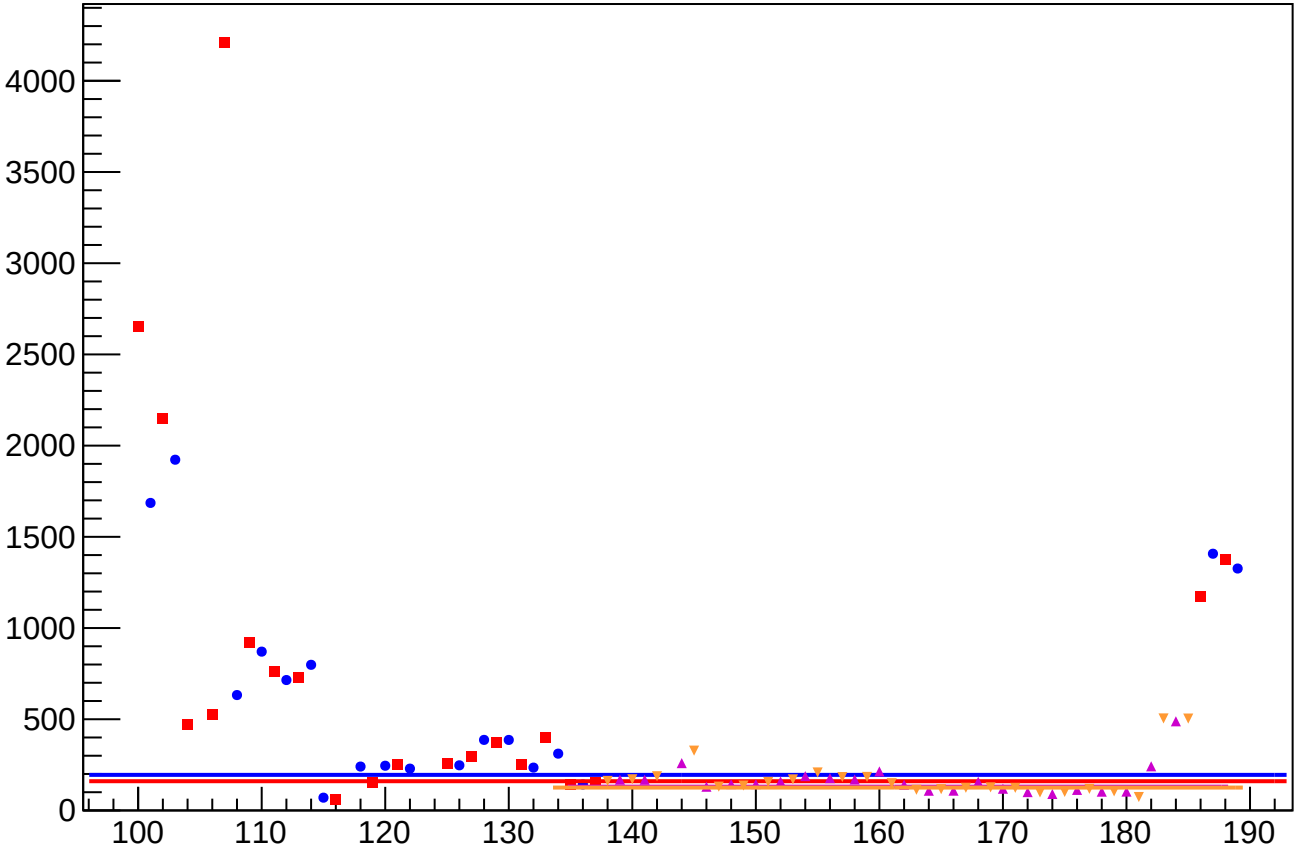
Right: 24.796+/-60.890 χ^2/NDF: 39.2/37

In: 38.833+/-30.638 χ^2/NDF:33.9/40

Out: -96.294+/-29.335 χ^2/NDF:72.8/43

All: -31.666+/-21.189 χ^2/NDF: 116.9/84

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 195.079+/-0.064 χ^2/NDF: 6090644.3/17

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 160.298+/-0.058 χ^2/NDF: 8212251.1/19

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

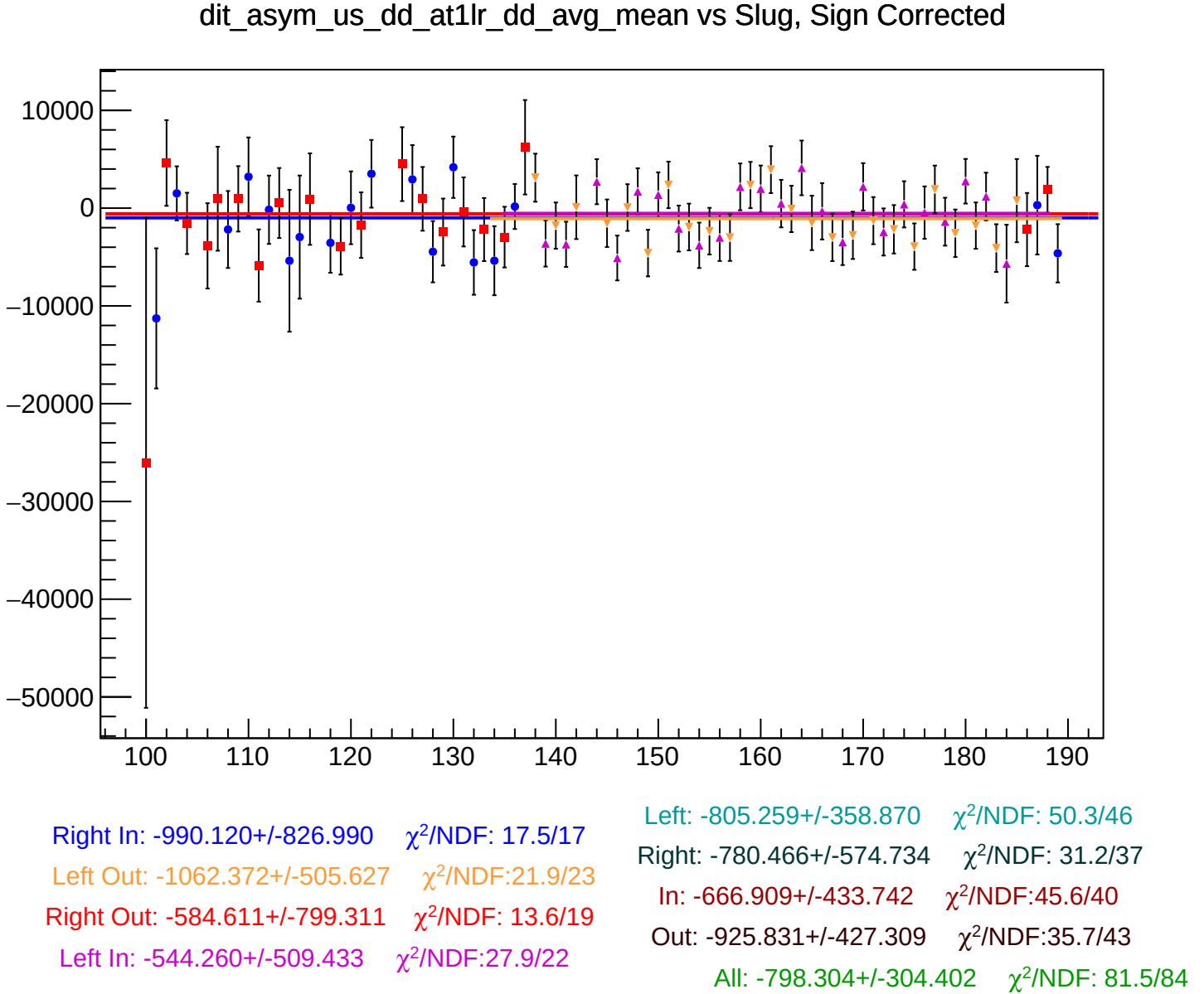
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

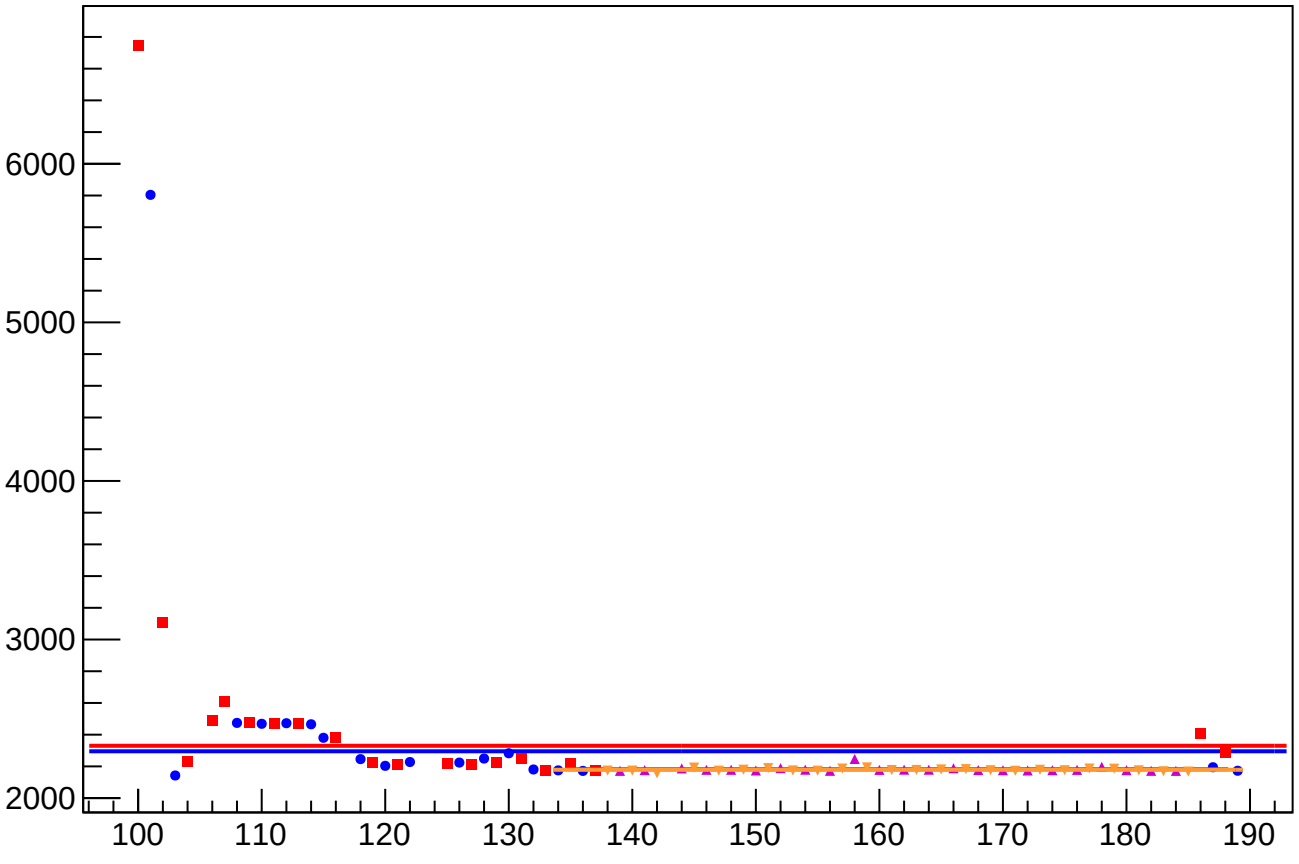
Right: 175.948+/-0.043 χ^2/NDF: 14464392.8/37

In: 137.813+/-0.022 χ^2/NDF:9668280.3/40

Out: 129.945+/-0.021 χ^2/NDF:12469214.0/43

All: 133.708+/-0.015 χ^2/NDF: 22206314.3/84


dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -990.120+/-826.990 χ²/NDF: 17.5/17
Left Out: -1062.372+/-505.627 χ²/NDF:21.9/23
Right Out: -584.611+/-799.311 χ²/NDF: 13.6/19
Left In: -544.260+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -780.466+/-574.734 χ²/NDF: 31.2/37
In: -666.909+/-433.742 χ²/NDF:45.6/40
Out: -925.831+/-427.309 χ²/NDF:35.7/43
All: -798.304+/-304.402 χ²/NDF: 81.5/84



Right In: 2295.195+/-0.585 χ^2/NDF: 518406.2/17

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2330.029+/-0.565 χ^2/NDF: 168922.7/19

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

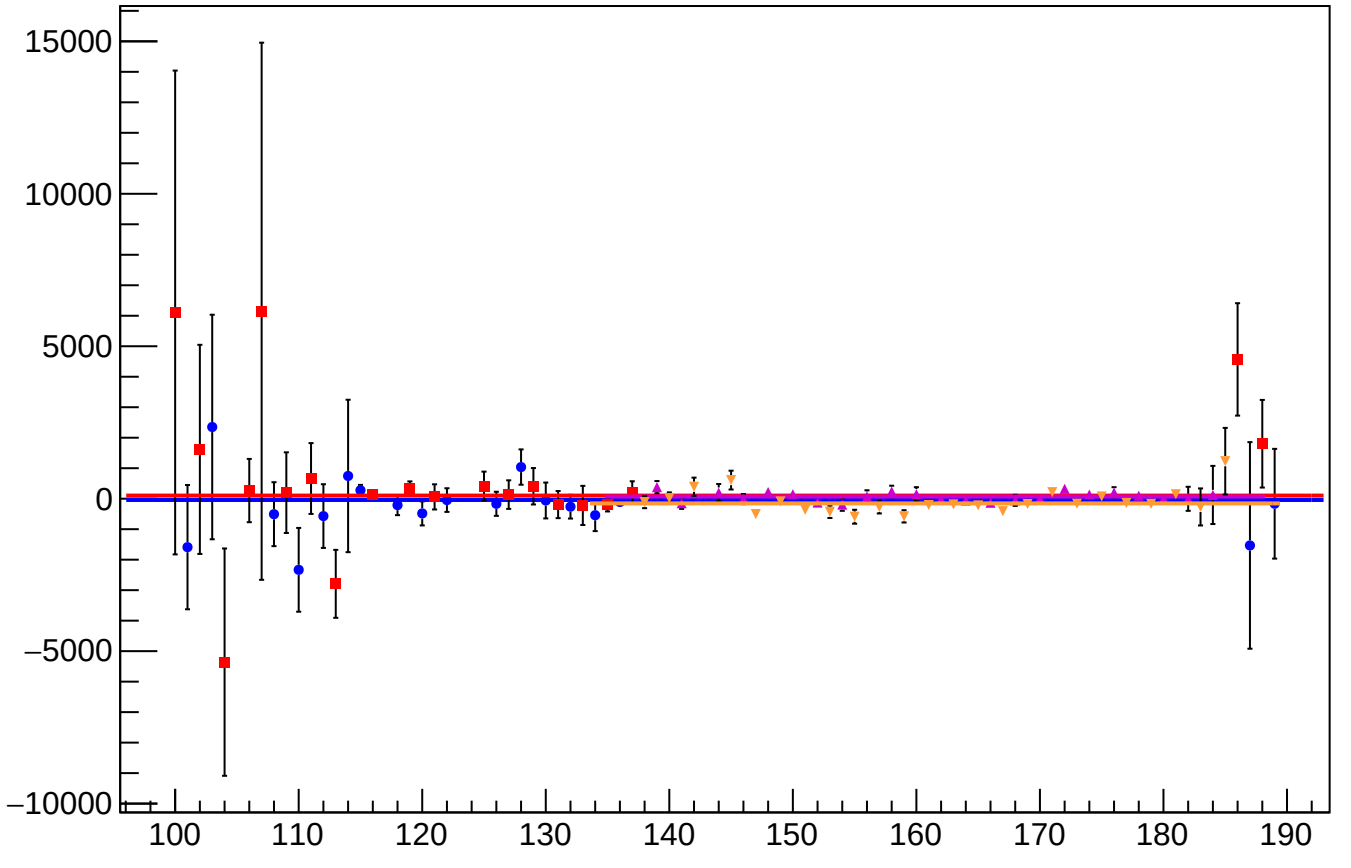
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2313.205+/-0.406 χ^2/NDF: 689163.6/37

In: 2213.053+/-0.307 χ^2/NDF:547463.3/40

Out: 2221.809+/-0.302 χ^2/NDF:220712.1/43

All: 2217.496+/-0.215 χ^2/NDF: 768589.0/84



Right In: -41.554+/-92.253 χ^2/NDF: 14.3/17

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 102.222+/-85.841 χ^2/NDF: 22.3/19

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

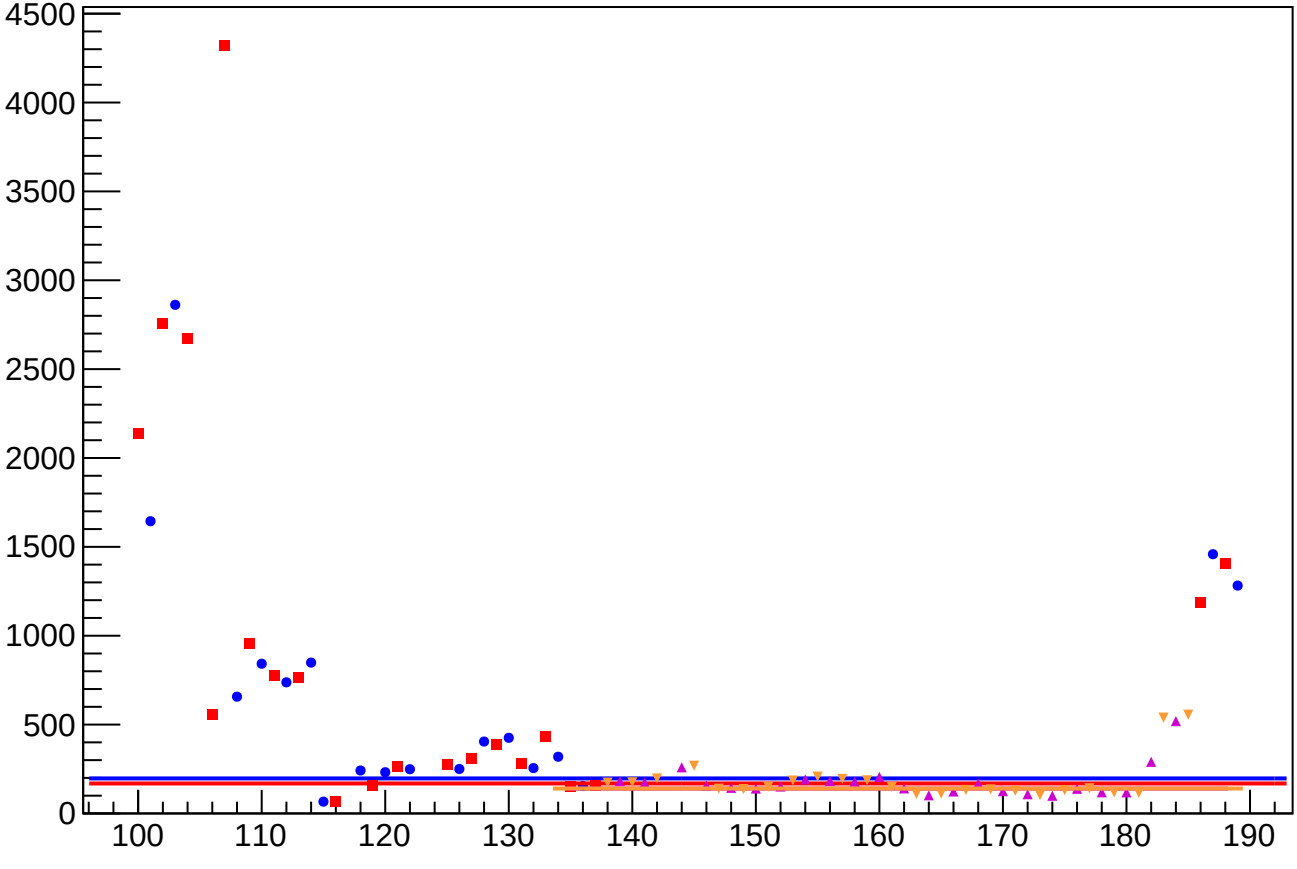
Right: 35.504+/-62.843 χ^2/NDF: 37.8/37

In: 56.643+/-32.071 χ^2/NDF:34.5/40

Out: -119.774+/-31.659 χ^2/NDF:77.3/43

All: -32.705+/-22.531 χ^2/NDF: 127.1/84

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 197.054+/-0.065 χ^2/NDF: 6625548.9/17

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 168.764+/-0.061 χ^2/NDF: 9168421.1/19

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

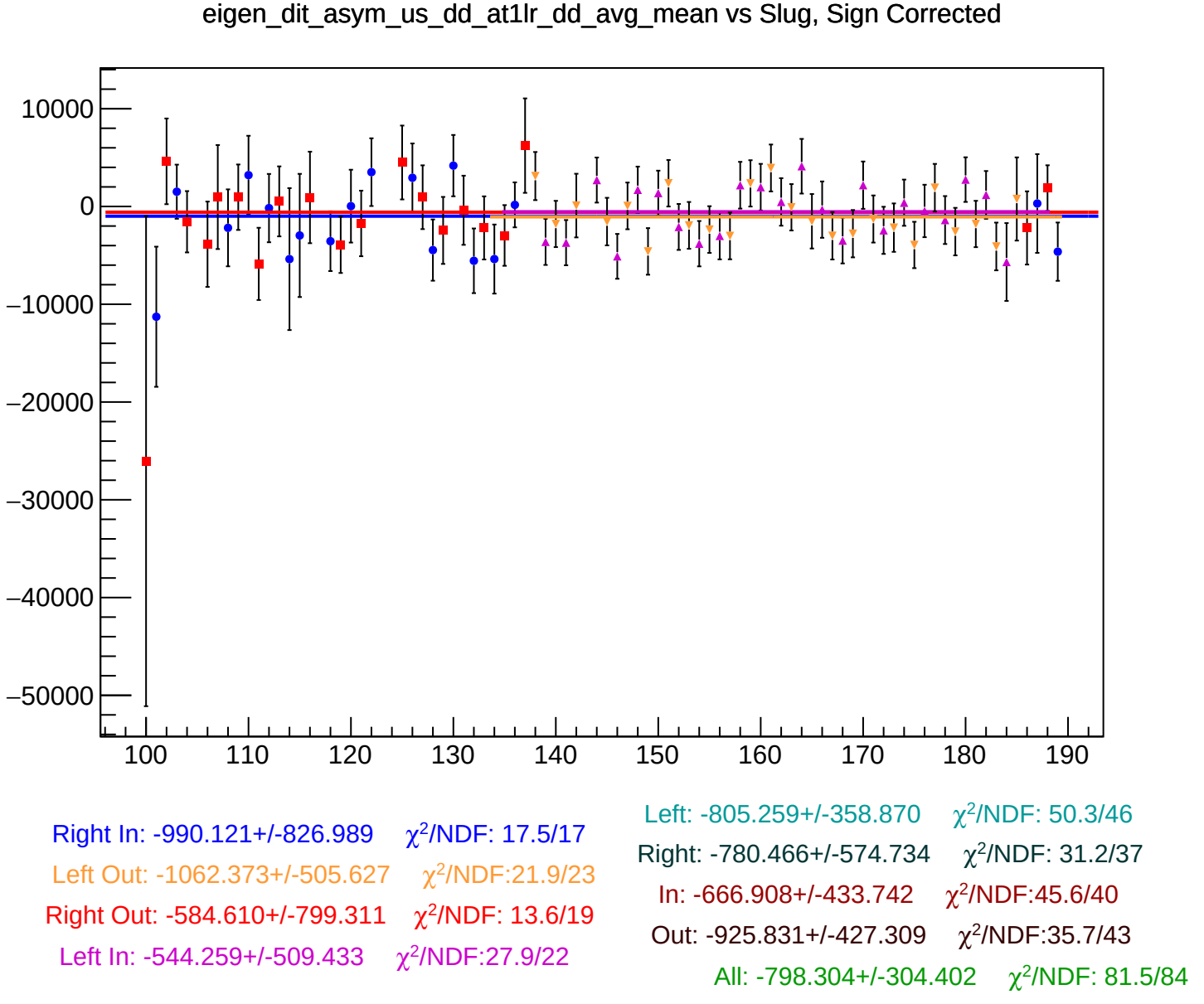
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 181.892+/-0.044 χ^2/NDF: 15894772.1/37

In: 146.876+/-0.023 χ^2/NDF:9711034.1/40

Out: 144.188+/-0.022 χ^2/NDF:12118454.4/43

All: 145.515+/-0.016 χ^2/NDF: 21836606.1/84


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
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−40000
−50000
100
110
120
130
140
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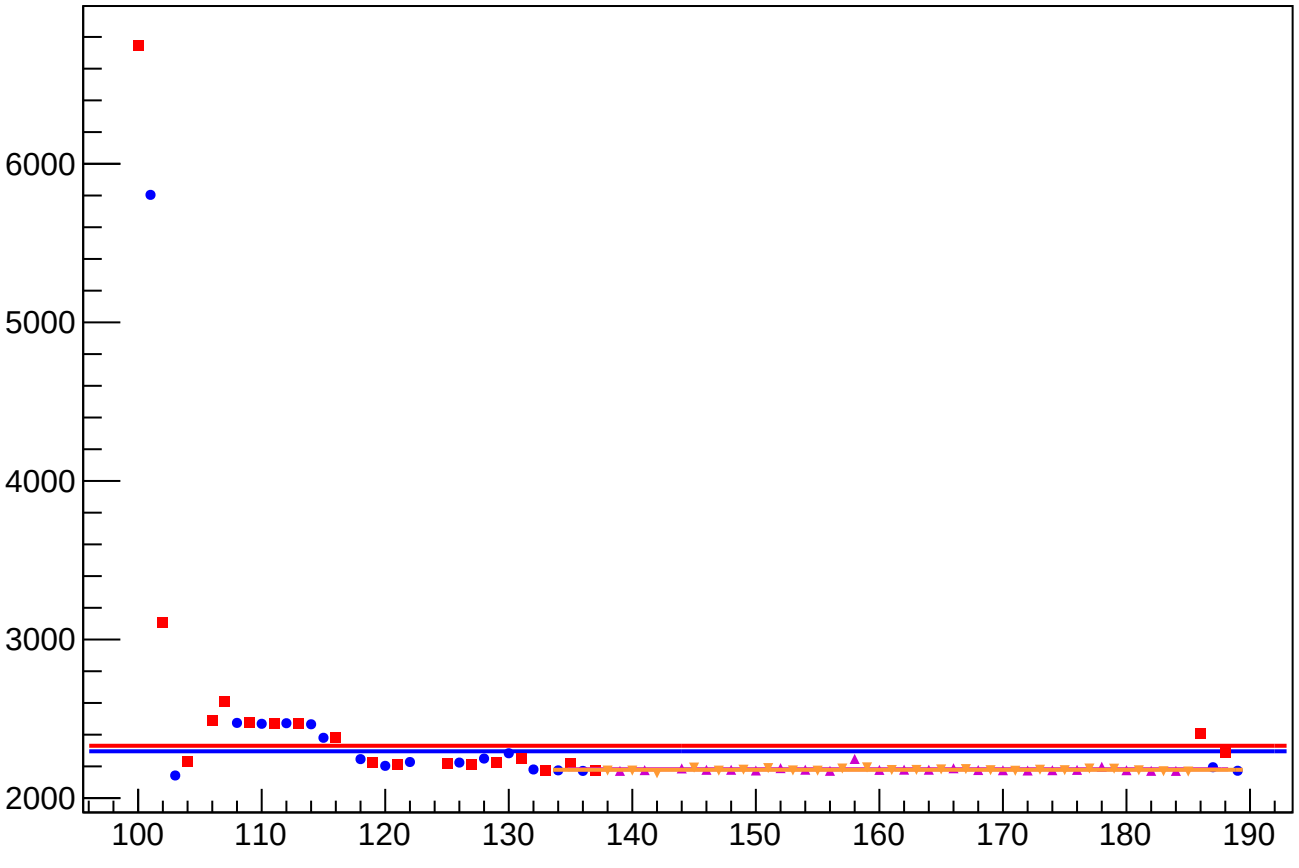
170
180
190
Right In: -990.121+/-826.989 χ²/NDF: 17.5/17
Left Out: -1062.373+/-505.627 χ²/NDF:21.9/23
Right Out: -584.610+/-799.311 χ²/NDF: 13.6/19
Left In: -544.259+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -780.466+/-574.734 χ²/NDF: 31.2/37
In: -666.908+/-433.742 χ²/NDF:45.6/40
Out: -925.831+/-427.309 χ²/NDF:35.7/43
All: -798.304+/-304.402 χ²/NDF: 81.5/84



Right In: 2295.194+/-0.585 χ^2/NDF: 518406.2/17

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2330.029+/-0.565 χ^2/NDF: 168922.6/19

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

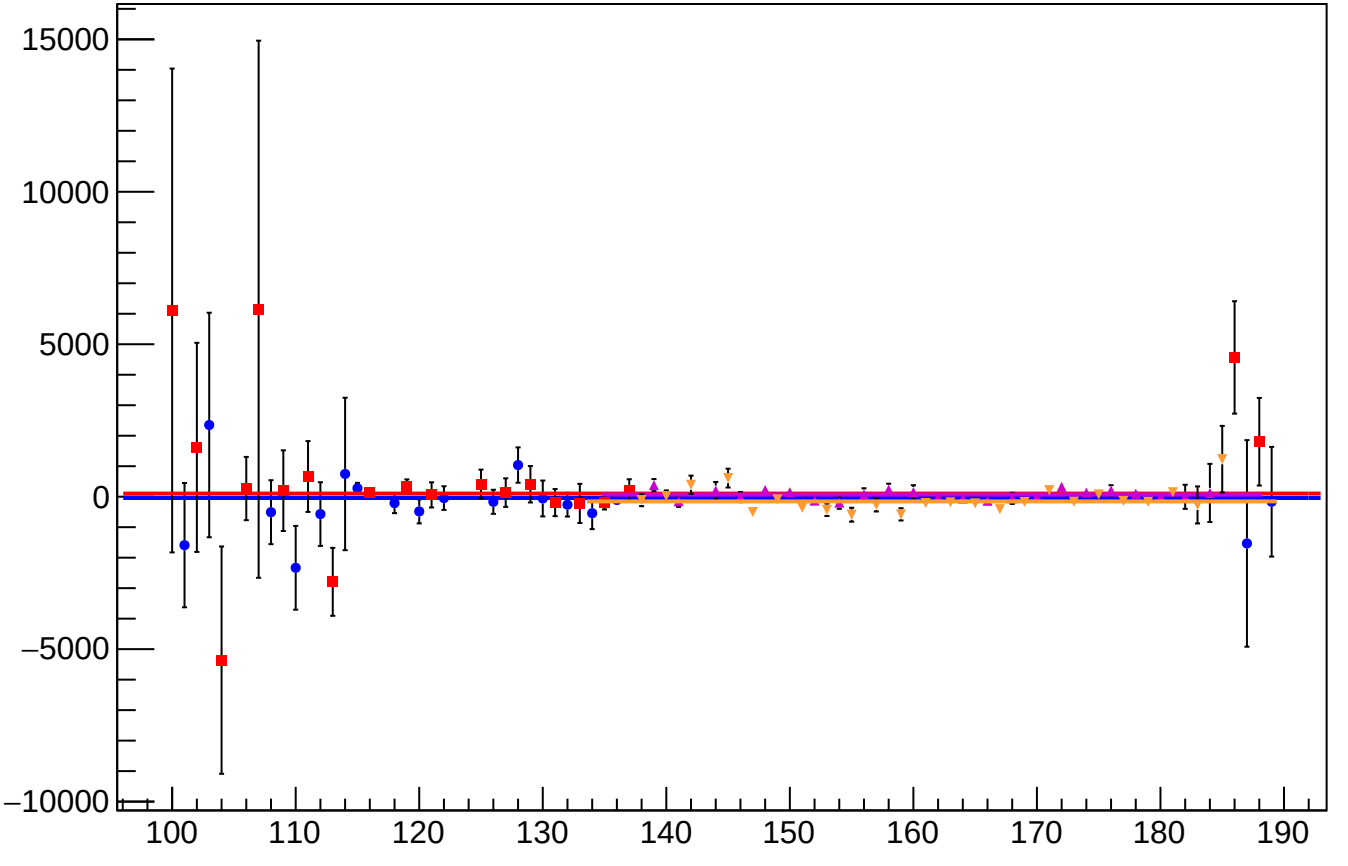
Right: 2313.205+/-0.406 χ^2/NDF: 689163.5/37

In: 2213.053+/-0.307 χ^2/NDF:547463.3/40

Out: 2221.809+/-0.302 χ^2/NDF:220712.0/43

All: 2217.496+/-0.215 χ^2/NDF: 768588.9/84

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -41.551+/-92.252 χ^2/NDF: 14.3/17

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 102.223+/-85.840 χ^2/NDF: 22.3/19

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

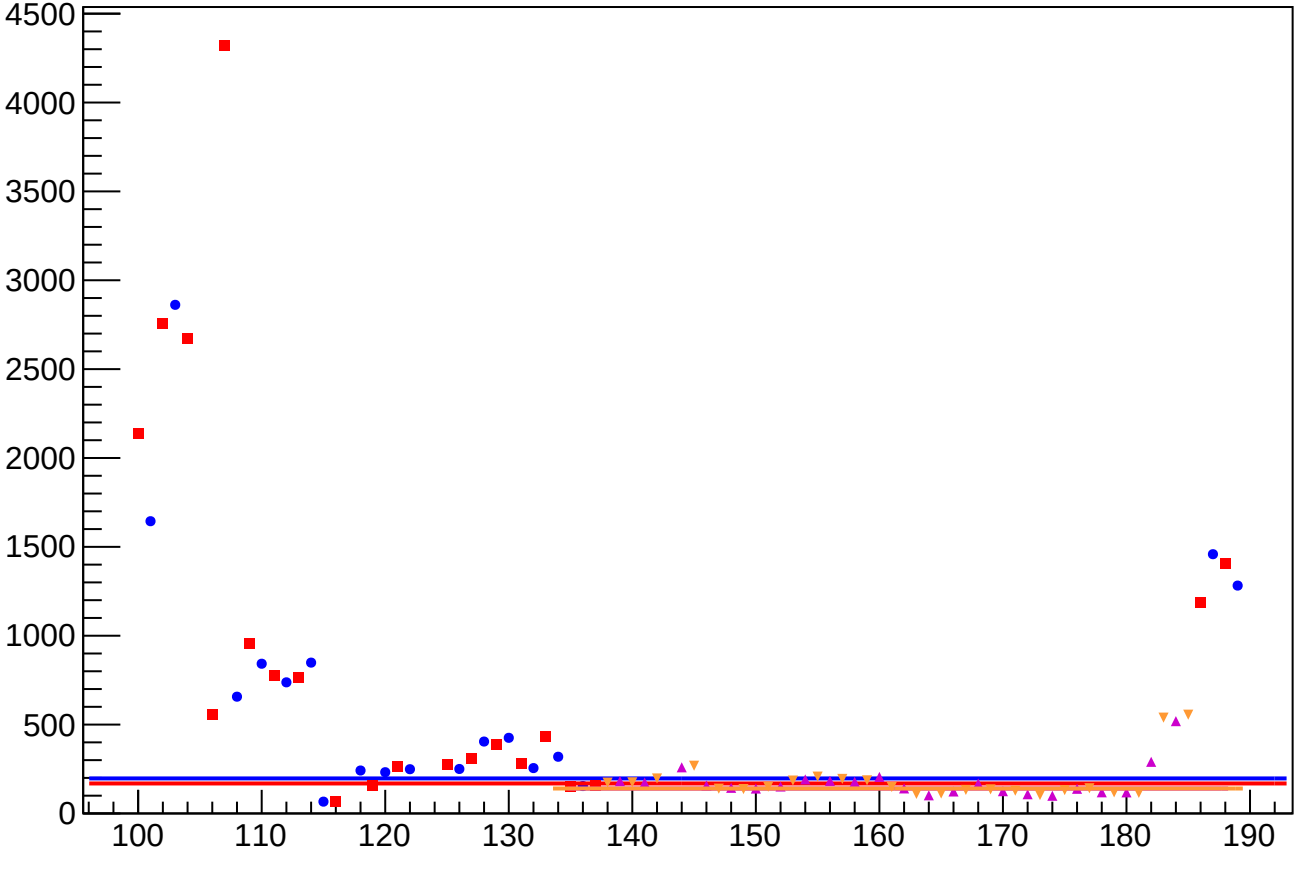
Right: 35.506+/-62.843 χ^2/NDF: 37.8/37

In: 56.642+/-32.071 χ^2/NDF:34.5/40

Out: -119.774+/-31.659 χ^2/NDF:77.3/43

All: -32.705+/-22.531 χ^2/NDF: 127.1/84

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 197.052+/-0.065 χ^2/NDF: 6625590.0/17

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 168.762+/-0.061 χ^2/NDF: 9168488.1/19

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

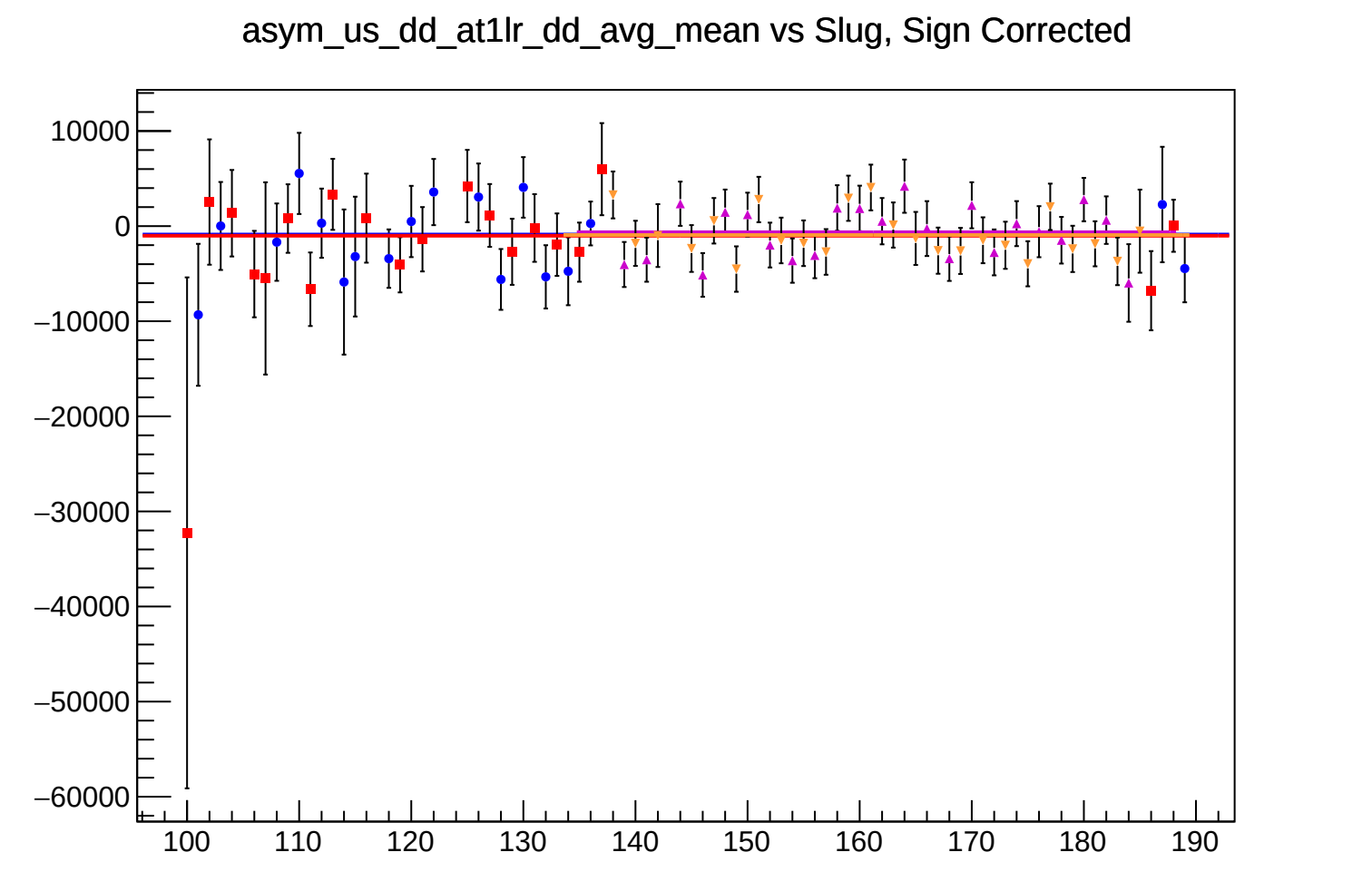
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 181.890+/-0.044 χ^2/NDF: 15894882.3/37

In: 146.876+/-0.023 χ^2/NDF:9711080.9/40

Out: 144.188+/-0.022 χ^2/NDF:12118484.1/43

All: 145.515+/-0.016 χ^2/NDF: 21836682.2/84



Right In: -886.066+/-877.813 χ^2/NDF: 17.1/17

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1011.558+/-860.521 χ^2/NDF: 15.0/19

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

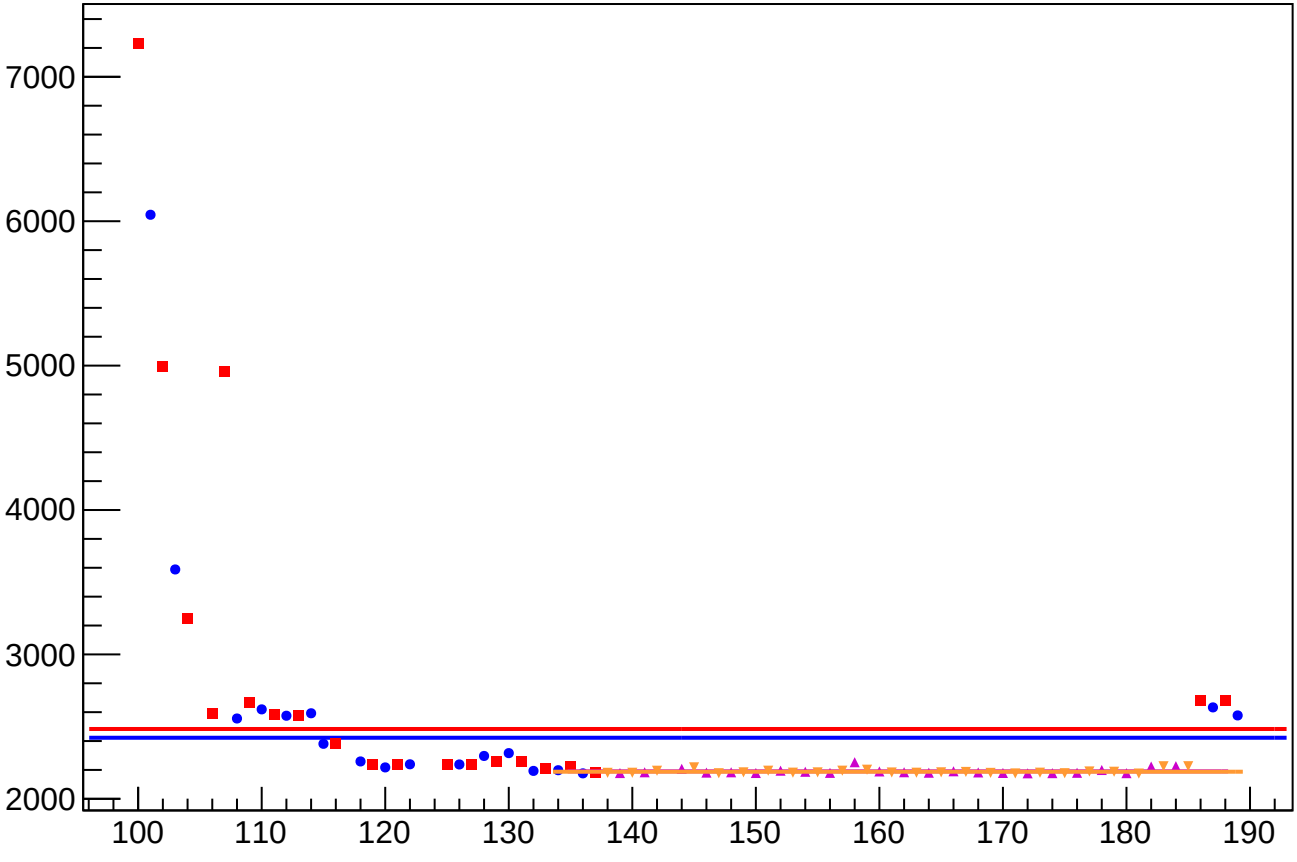
Right: -950.061+/-614.503 χ^2/NDF: 32.2/37

In: -704.418+/-441.863 χ^2/NDF:44.2/40

Out: -952.545+/-437.279 χ^2/NDF:37.5/43

All: -829.775+/-310.811 χ^2/NDF: 81.8/84

asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2422.880+/-0.621 χ^2/NDF: 683621.0/17

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2483.535+/-0.608 χ^2/NDF: 650753.5/19

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

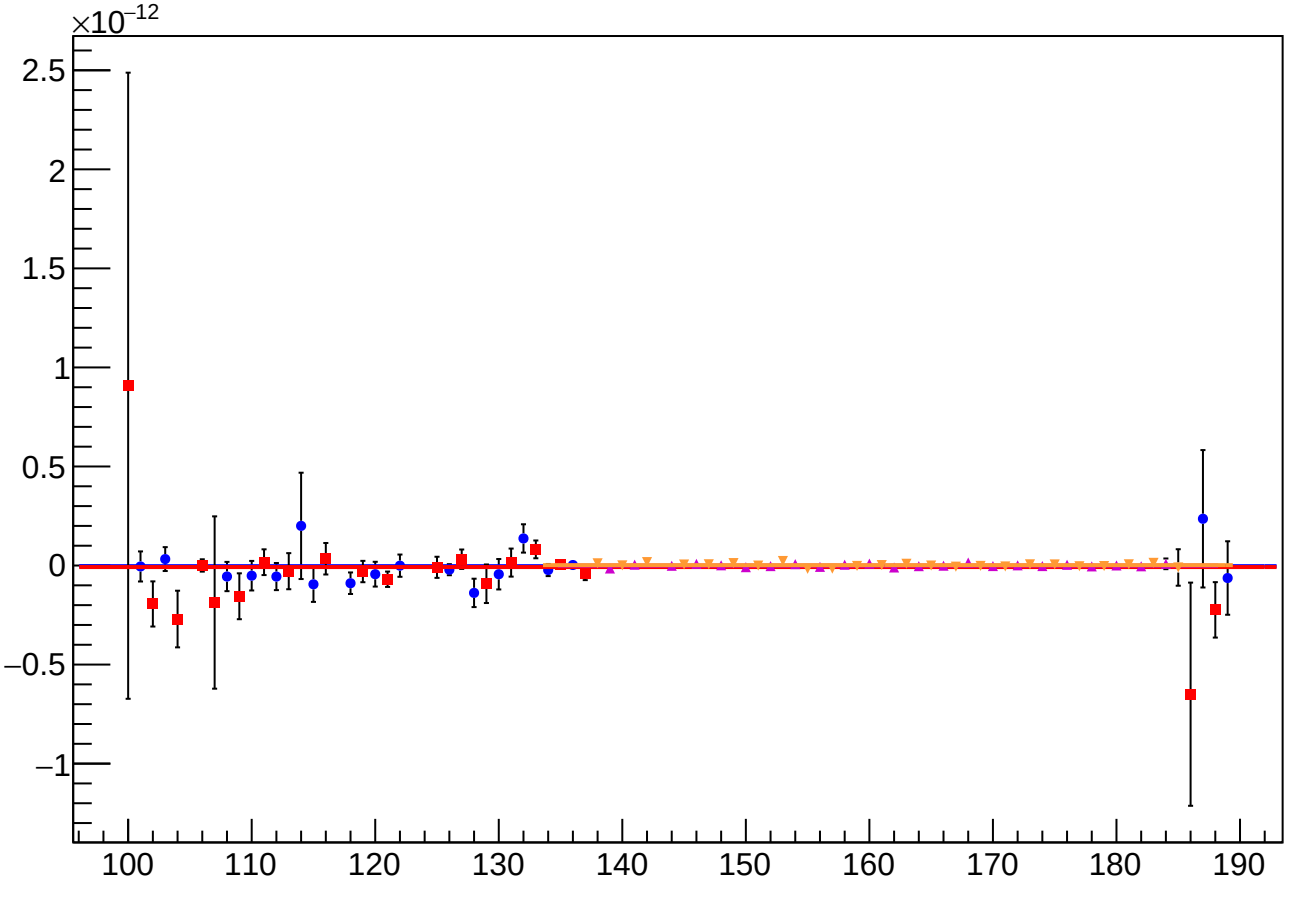
Right: 2453.811+/-0.435 χ^2/NDF: 1339244.0/37

In: 2249.129+/-0.312 χ^2/NDF:791114.0/40

Out: 2264.032+/-0.309 χ^2/NDF:827530.8/43

All: 2256.658+/-0.220 χ^2/NDF: 1619794.3/84

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/19

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

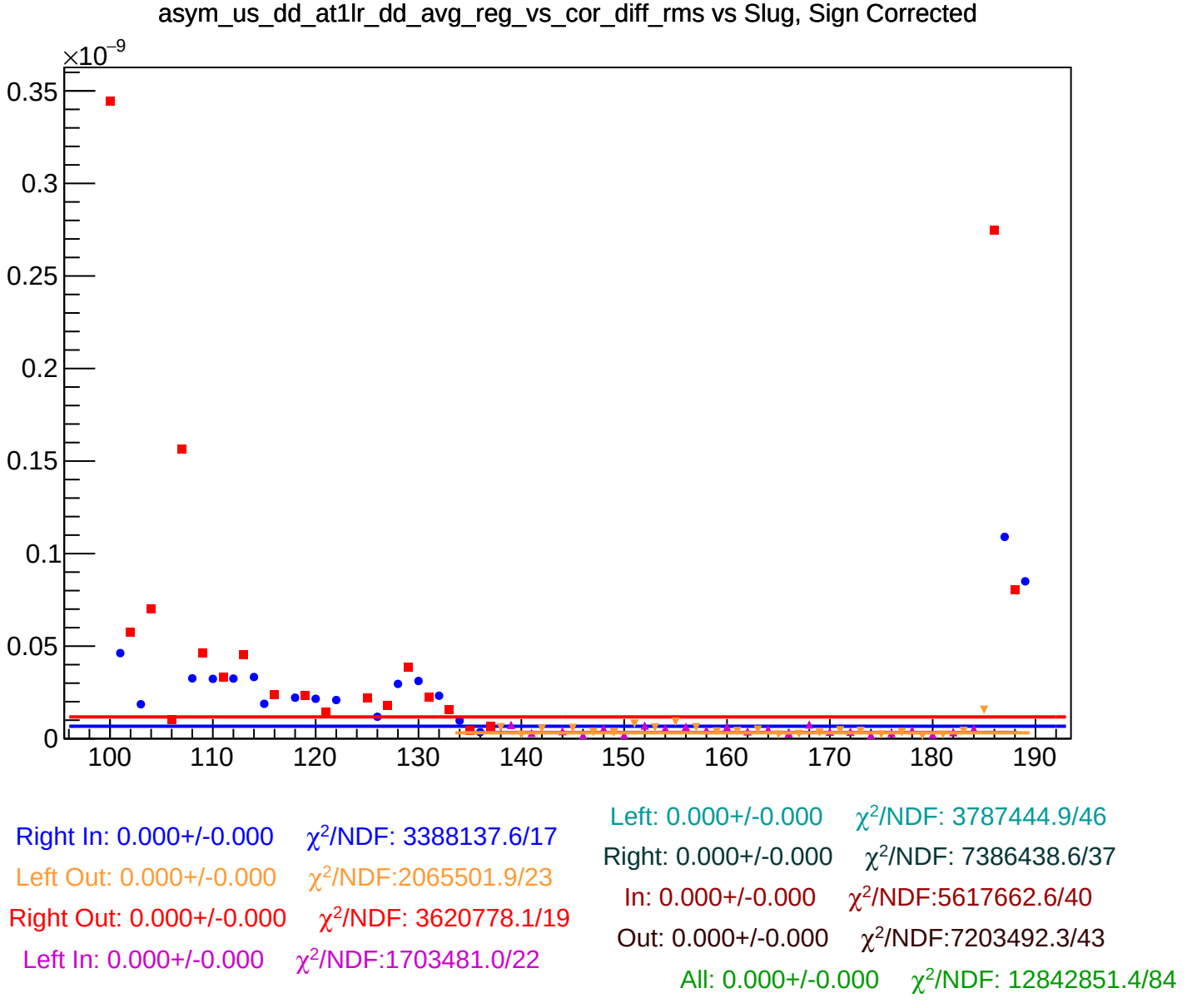
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 38.9/37

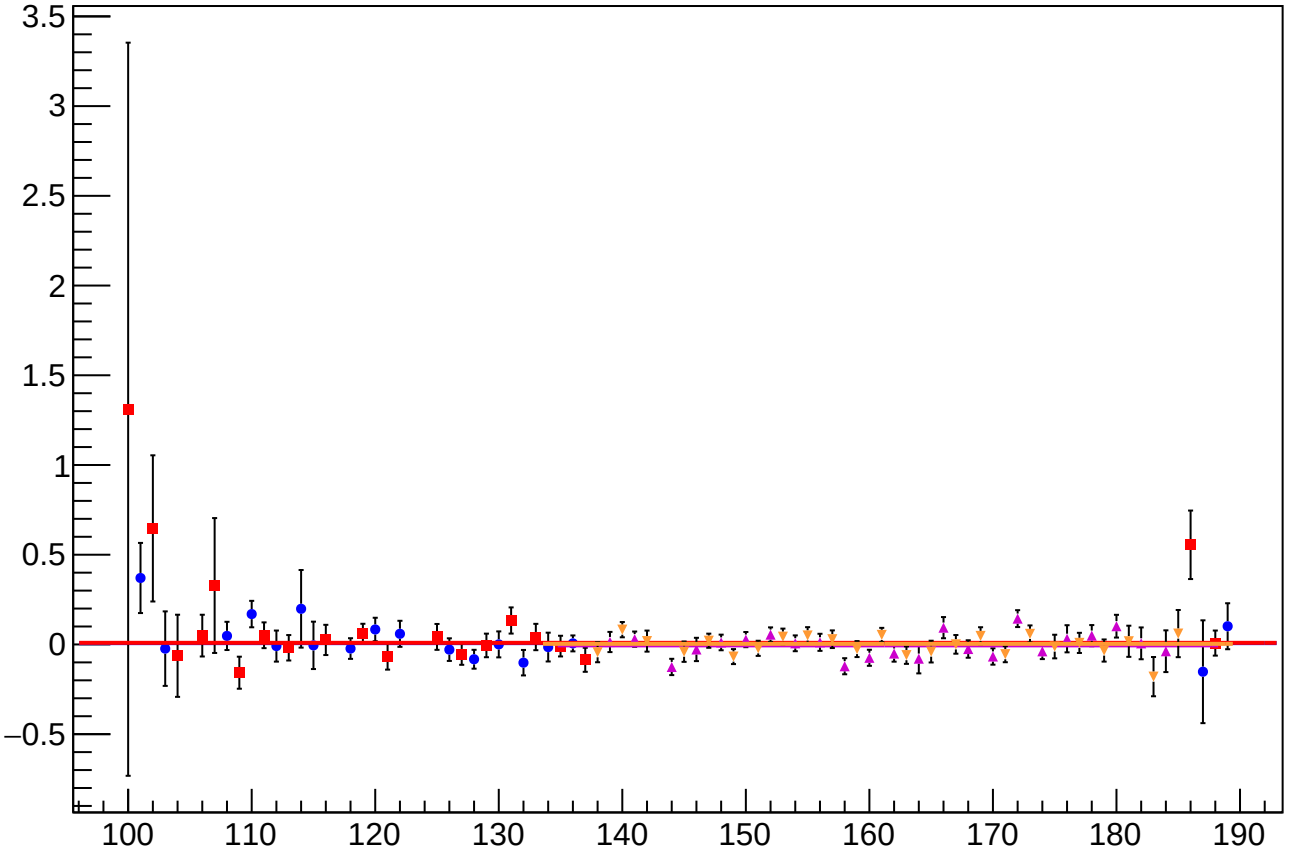
In: -0.000+/-0.000 χ^2/NDF:29.7/40

Out: 0.000+/-0.000 χ^2/NDF:43.0/43

All: 0.000+/-0.000 χ^2/NDF: 73.6/84


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3388137.6/17
Left Out: 0.000+/-0.000 χ²/NDF:2065501.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 3620778.1/19
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: 7386438.6/37
In: 0.000+/-0.000 χ²/NDF:5617662.6/40
Out: 0.000+/-0.000 χ²/NDF:7203492.3/43
All: 0.000+/-0.000 χ²/NDF: 12842851.4/84

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

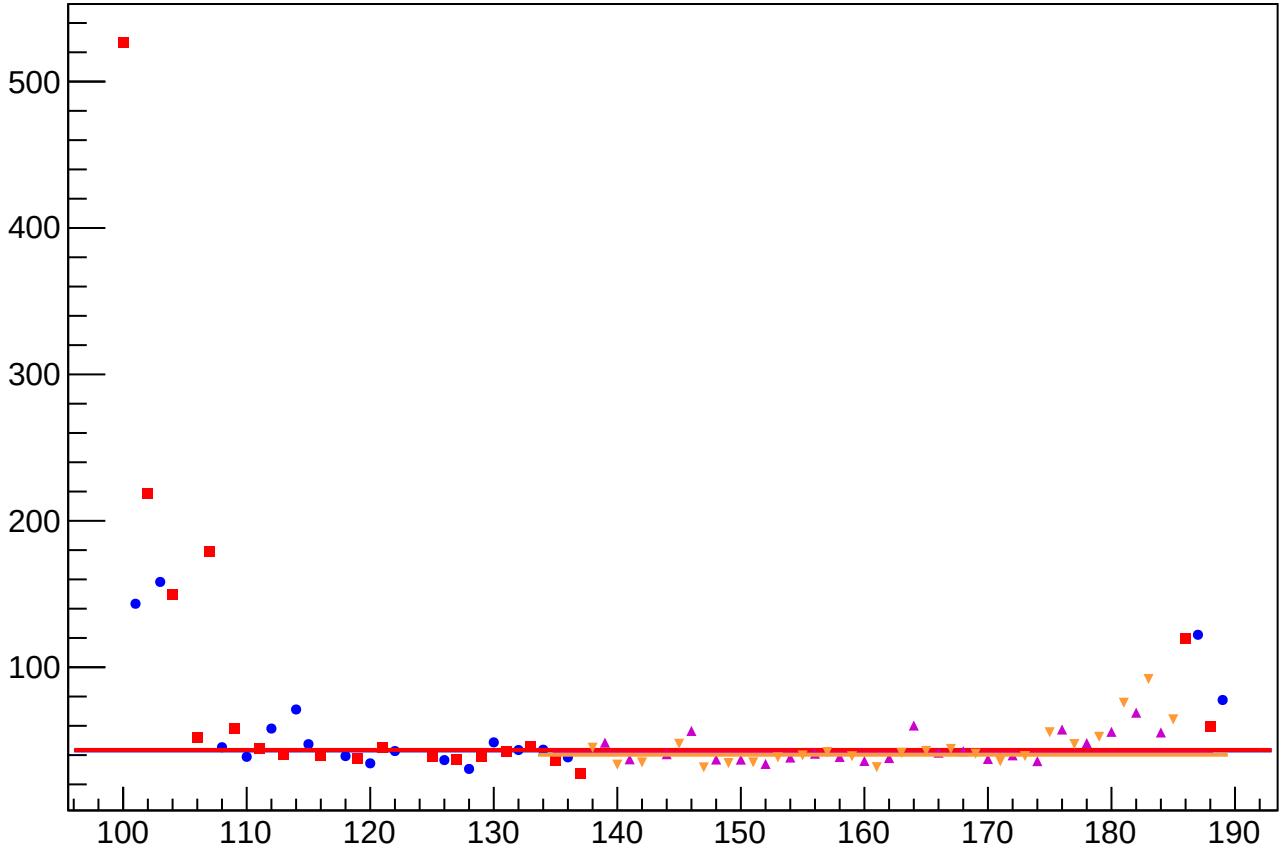
Right: 0.008+/-0.013 χ^2/NDF: 42.6/37

In: -0.002+/-0.009 χ^2/NDF:59.9/40

Out: 0.005+/-0.009 χ^2/NDF:46.5/43

All: 0.001+/-0.006 χ^2/NDF: 106.6/84

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.186+/-0.013 χ^2/NDF: 1757270.0/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 43.536+/-0.013 χ^2/NDF: 1882898.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

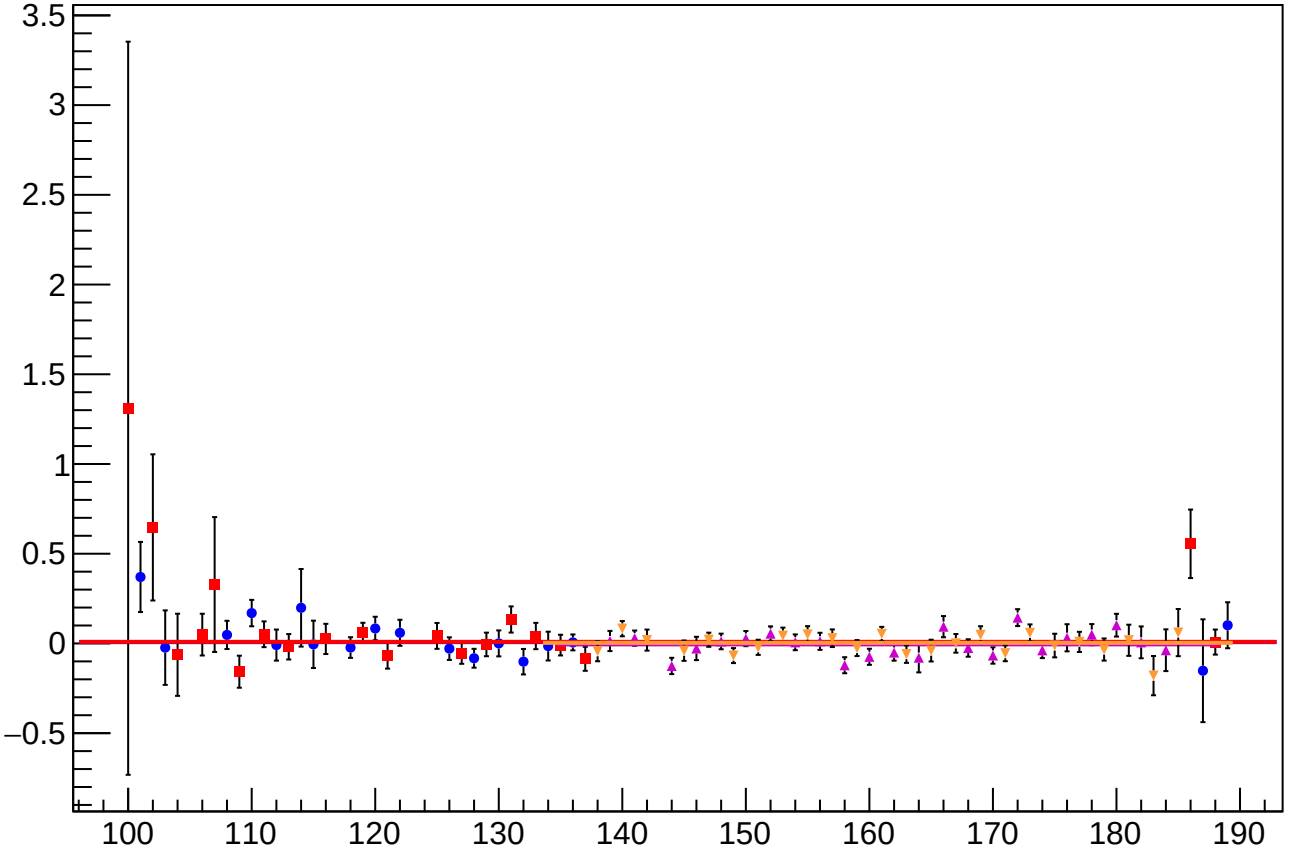
Right: 43.363+/-0.009 χ^2/NDF: 3640549.2/37

In: 41.619+/-0.006 χ^2/NDF:2704368.0/40

Out: 41.097+/-0.006 χ^2/NDF:3421683.7/43

All: 41.354+/-0.005 χ^2/NDF: 6129385.4/84

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

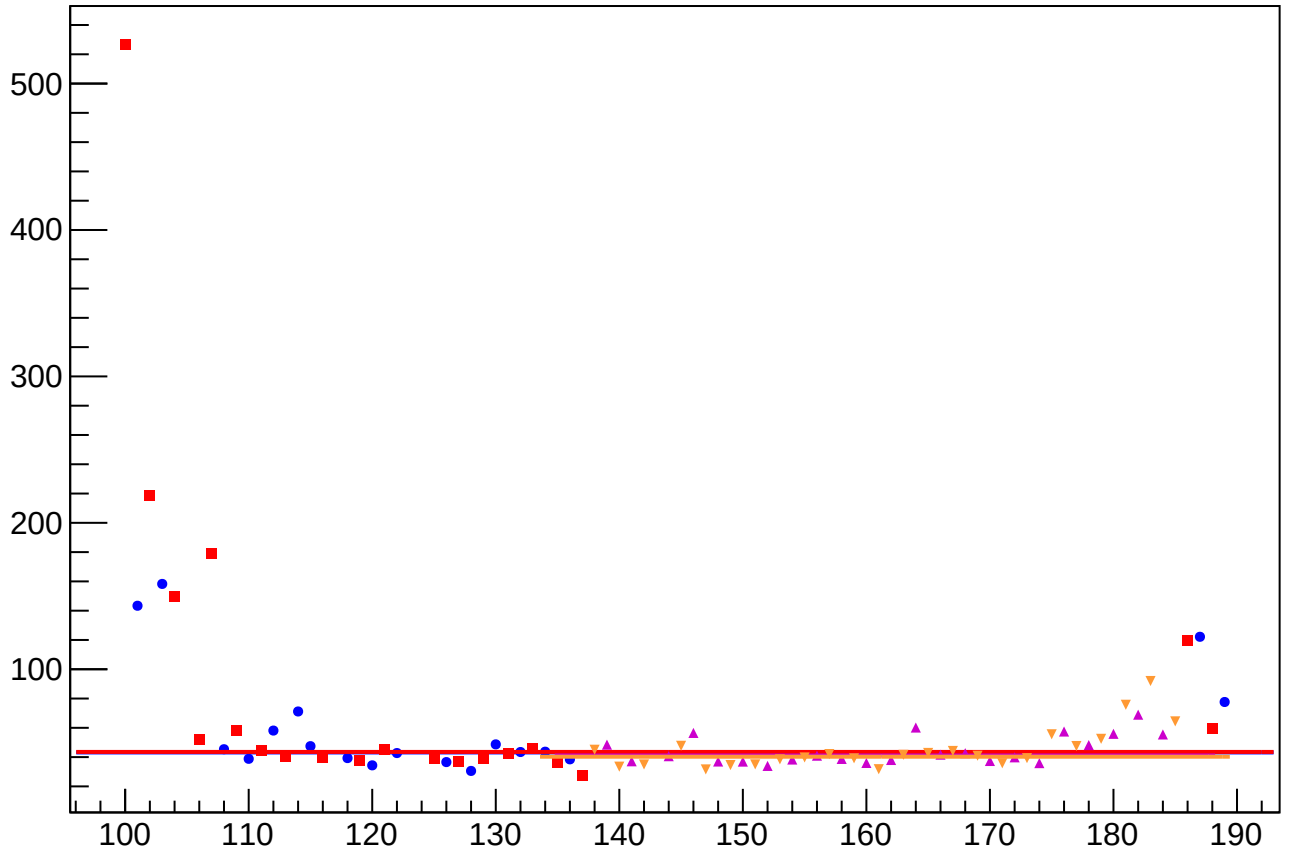
Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

Right: 0.008+/-0.013 χ^2/NDF: 42.6/37

In: -0.002+/-0.009 χ^2/NDF:59.9/40

Out: 0.005+/-0.009 χ^2/NDF:46.5/43

All: 0.001+/-0.006 χ^2/NDF: 106.6/84



Right In: 43.186+/-0.013 χ^2/NDF: 1757270.0/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 43.536+/-0.013 χ^2/NDF: 1882898.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

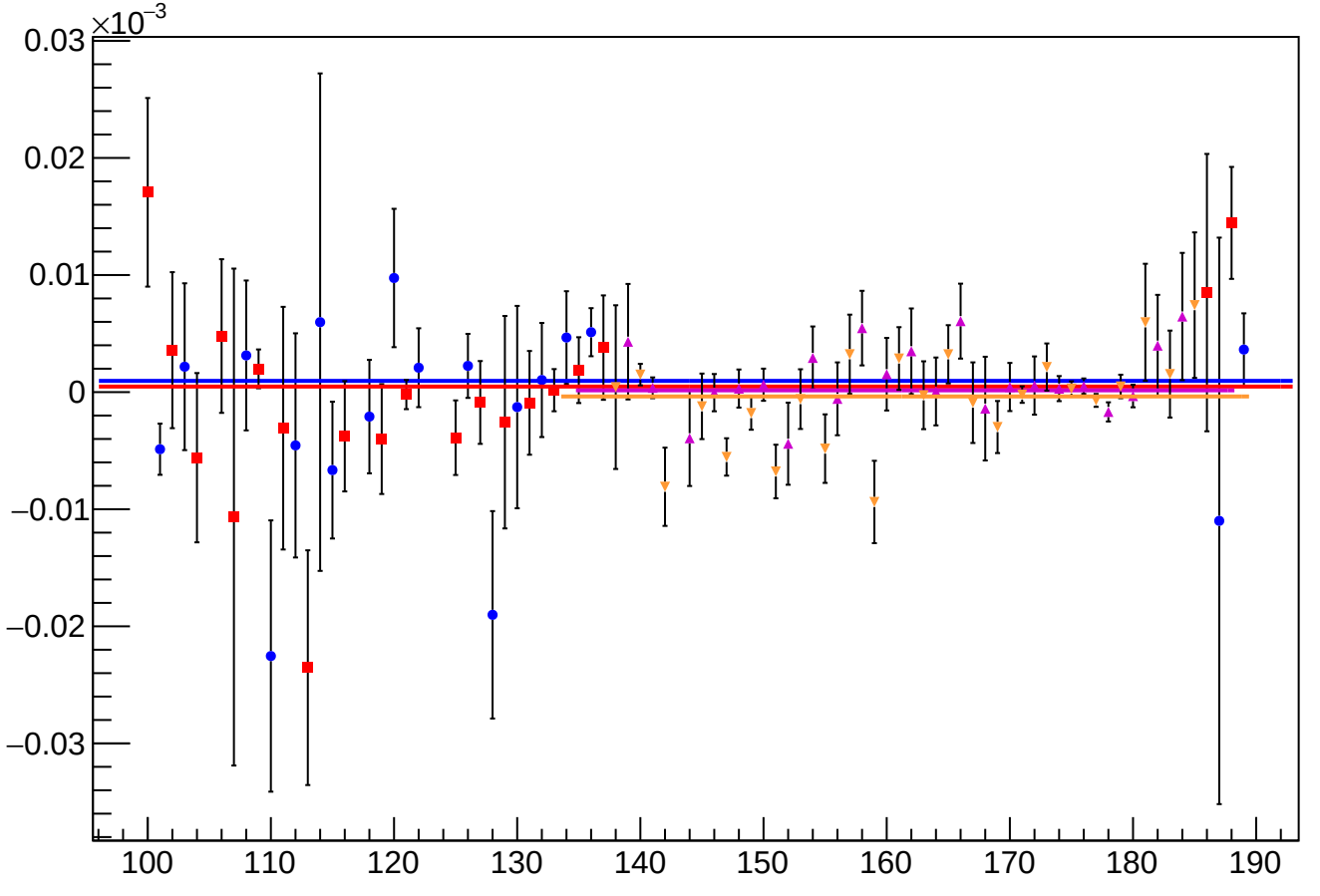
Right: 43.363+/-0.009 χ^2/NDF: 3640549.2/37

In: 41.619+/-0.006 χ^2/NDF:2704368.0/40

Out: 41.097+/-0.006 χ^2/NDF:3421683.7/43

All: 41.354+/-0.005 χ^2/NDF: 6129385.4/84

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: 27.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/19

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

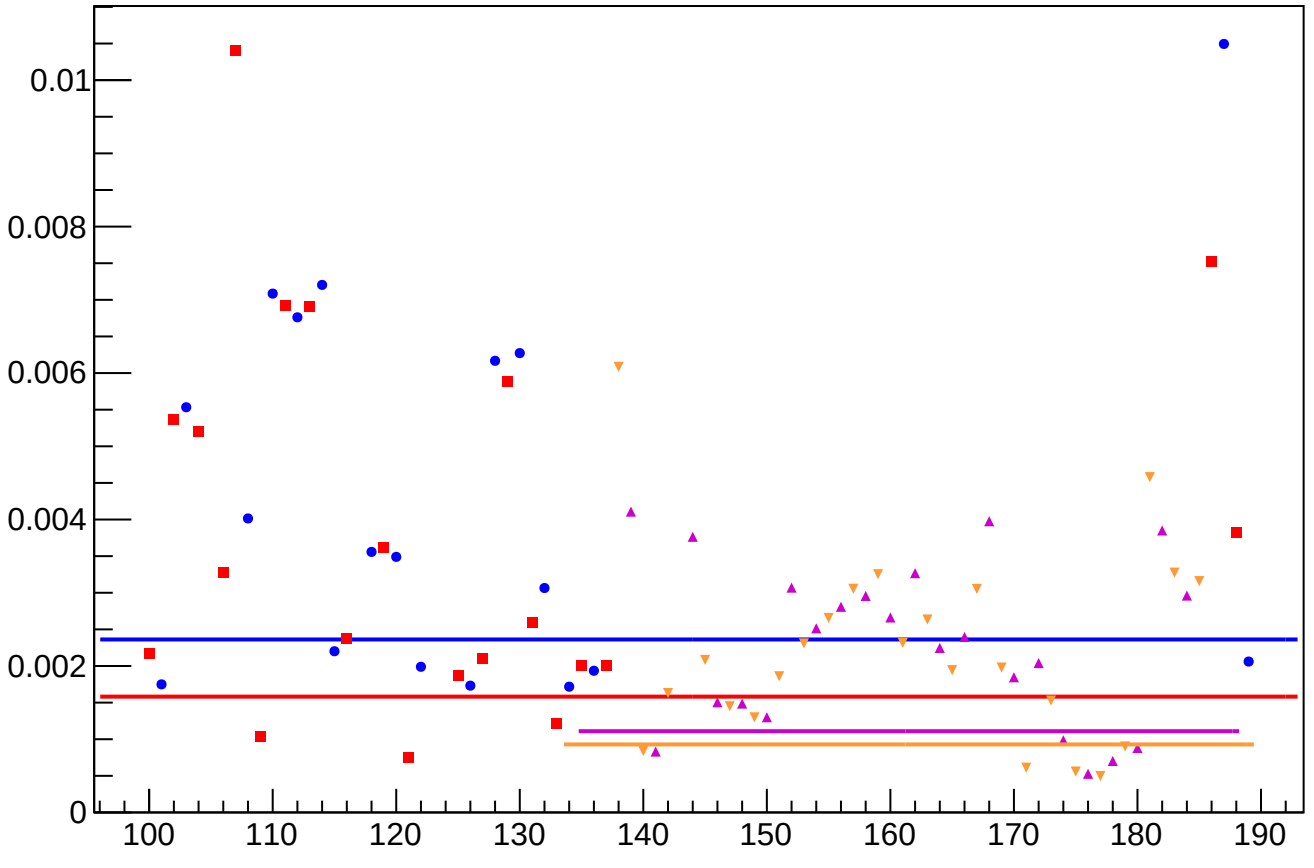
Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

Right: 0.000+/-0.000 χ^2/NDF: 54.4/37

In: 0.000+/-0.000 χ^2/NDF:48.1/40

Out: -0.000+/-0.000 χ^2/NDF:79.1/43

All: -0.000+/-0.000 χ^2/NDF: 128.6/84



Right In: 0.002+/-0.000 χ^2/NDF: 3078158.2/17

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 5966884.9/19

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

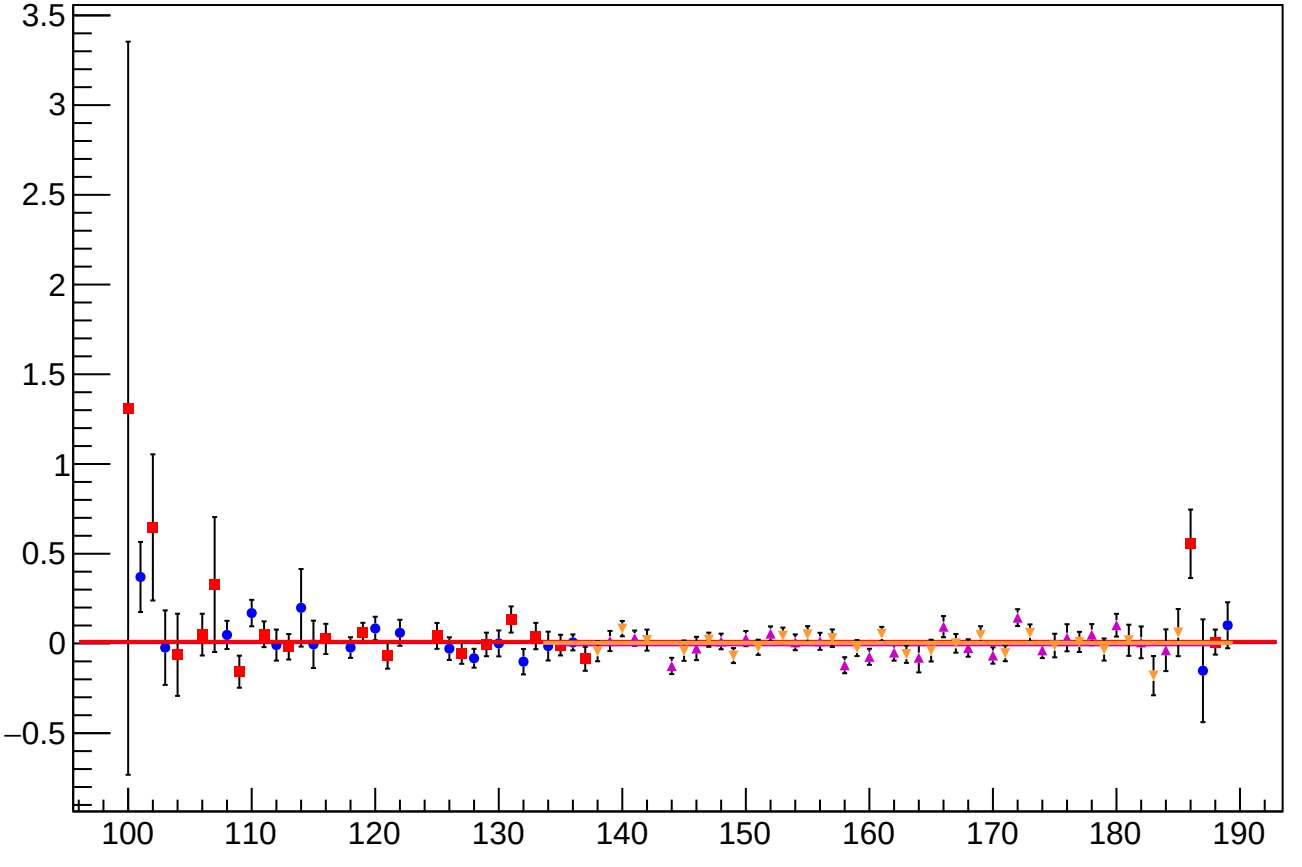
Right: 0.002+/-0.000 χ^2/NDF: 9892081.8/37

In: 0.001+/-0.000 χ^2/NDF:17040040.5/40

Out: 0.001+/-0.000 χ^2/NDF:19994530.9/43

All: 0.001+/-0.000 χ^2/NDF: 37629191.2/84

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

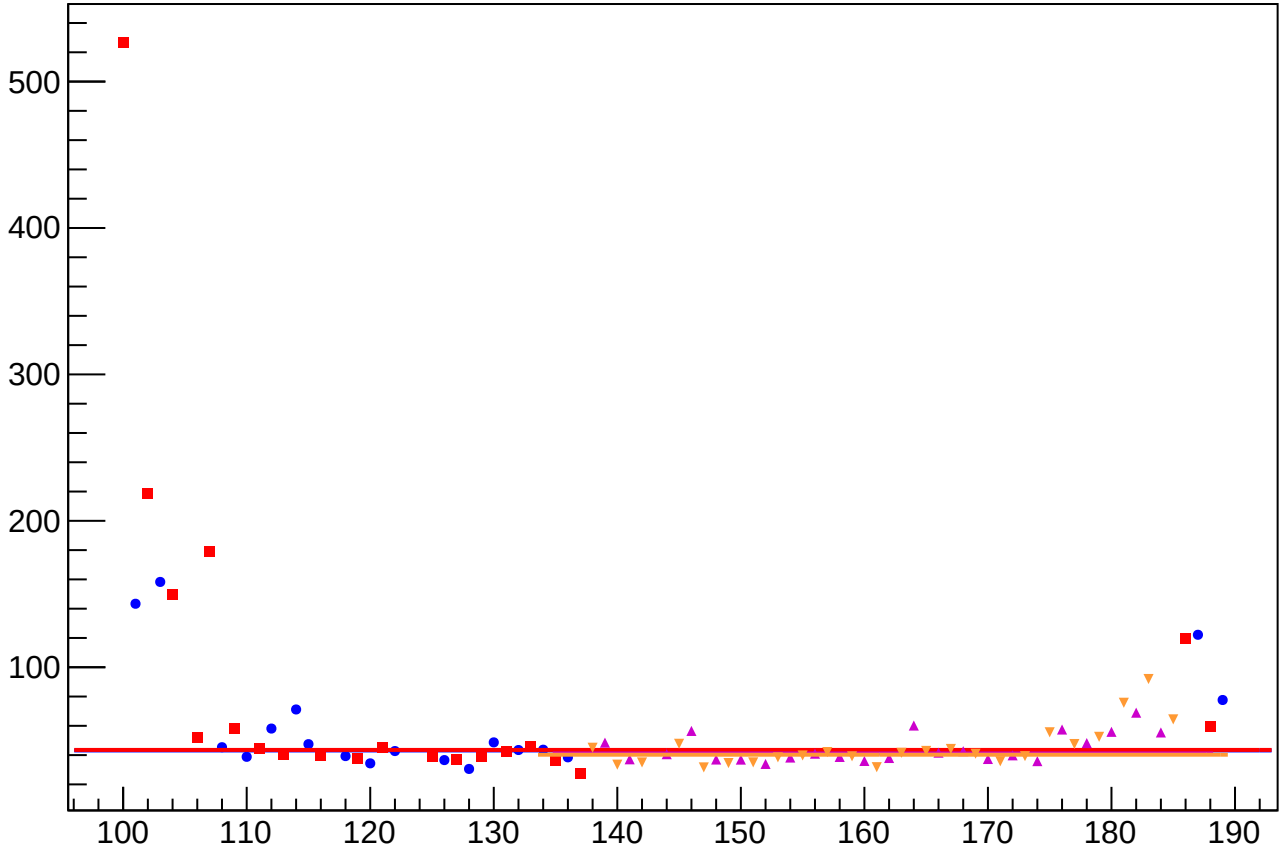
Right: 0.008+/-0.013 χ^2/NDF: 42.6/37

In: -0.002+/-0.009 χ^2/NDF:59.9/40

Out: 0.005+/-0.009 χ^2/NDF:46.5/43

All: 0.001+/-0.006 χ^2/NDF: 106.6/84

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.184+/-0.013 χ^2/NDF: 1757521.6/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 43.537+/-0.013 χ^2/NDF: 1882905.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

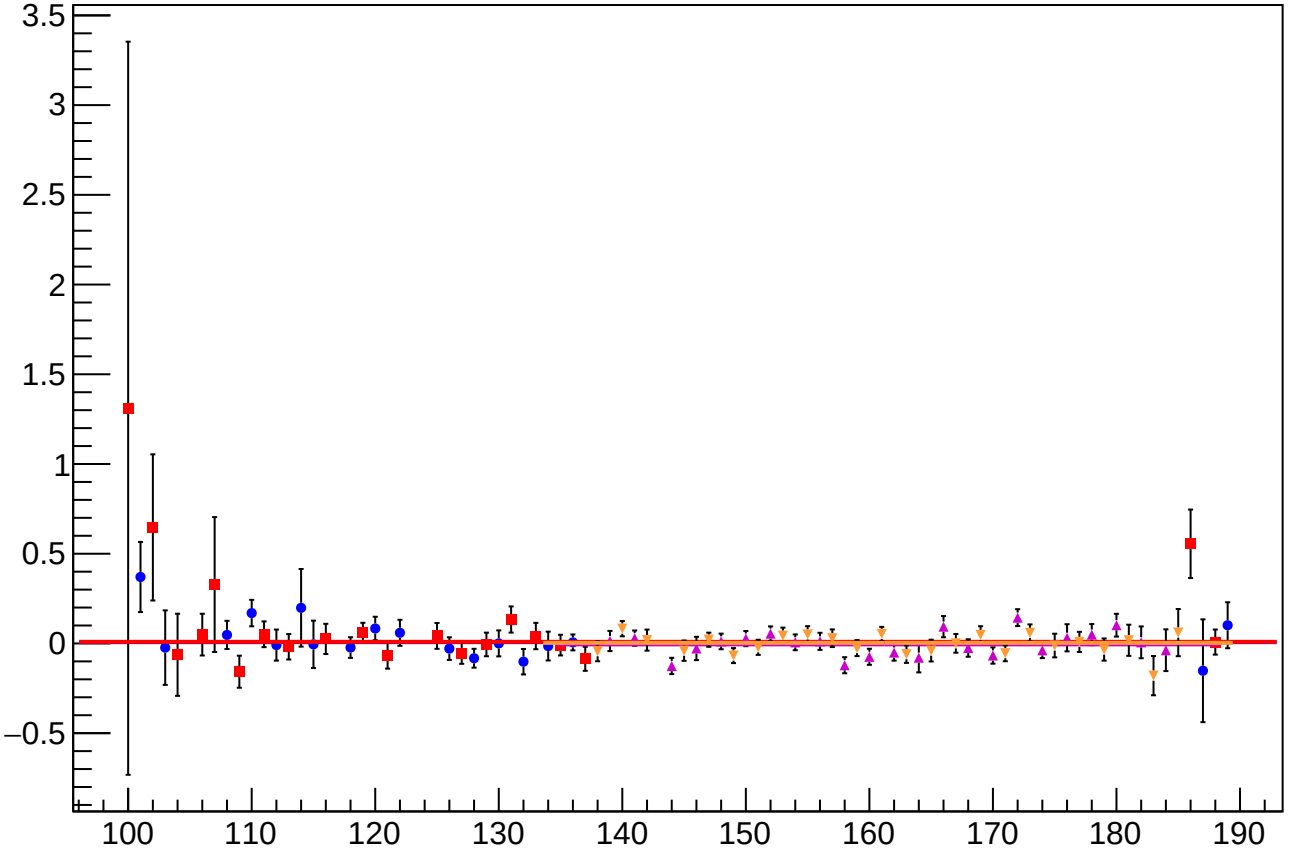
Right: 43.362+/-0.009 χ^2/NDF: 3640814.5/37

In: 41.619+/-0.006 χ^2/NDF:2704611.9/40

Out: 41.097+/-0.006 χ^2/NDF:3421686.7/43

All: 41.354+/-0.005 χ^2/NDF: 6129622.2/84

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.018 χ^2/NDF: 18.1/17

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

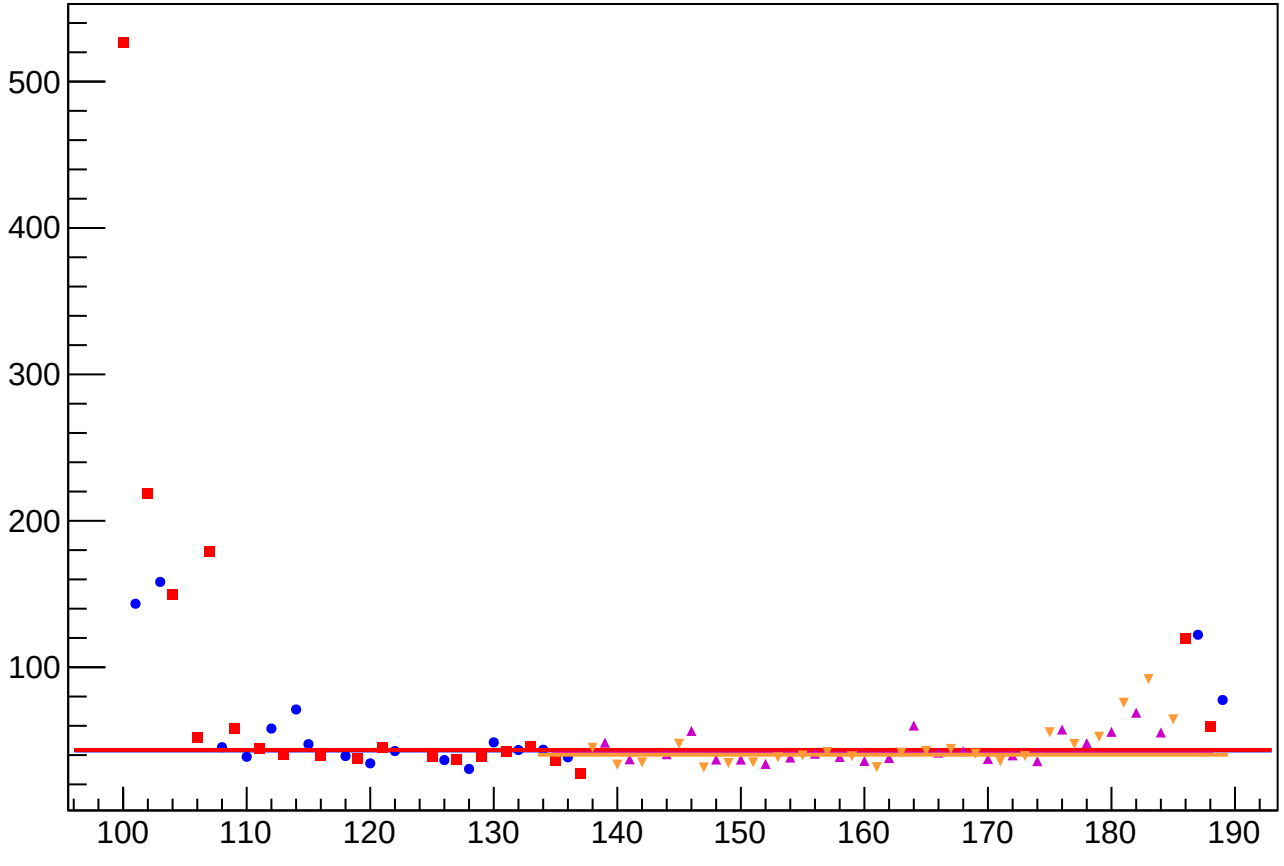
Right: 0.008+/-0.013 χ^2/NDF: 42.6/37

In: -0.002+/-0.009 χ^2/NDF:59.9/40

Out: 0.005+/-0.009 χ^2/NDF:46.5/43

All: 0.001+/-0.006 χ^2/NDF: 106.6/84

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 43.184+/-0.013 χ^2/NDF: 1757521.6/17

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 43.537+/-0.013 χ^2/NDF: 1882905.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

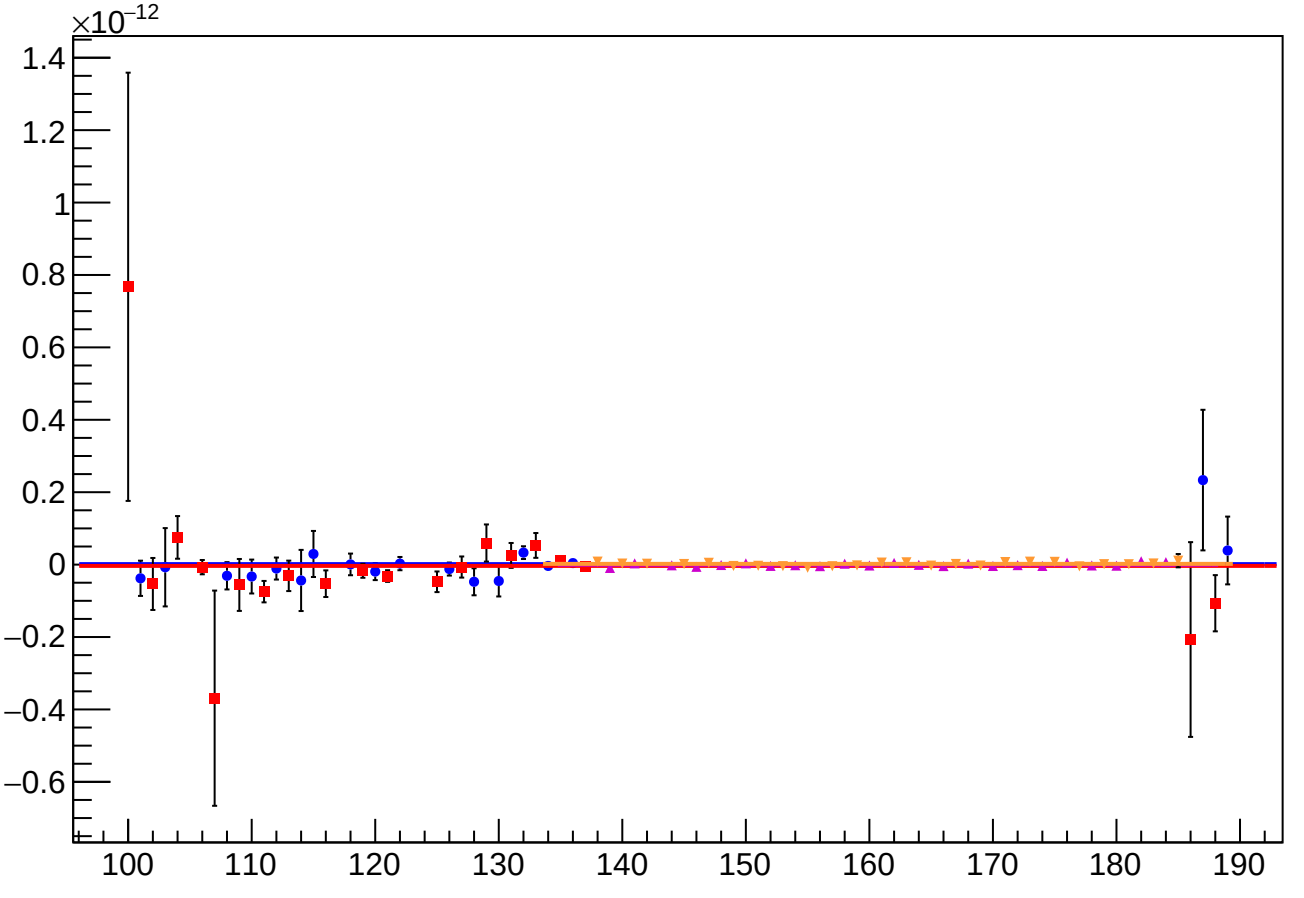
Right: 43.362+/-0.009 χ^2/NDF: 3640814.5/37

In: 41.619+/-0.006 χ^2/NDF:2704611.9/40

Out: 41.097+/-0.006 χ^2/NDF:3421686.7/43

All: 41.354+/-0.005 χ^2/NDF: 6129622.2/84

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: 12.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/19

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

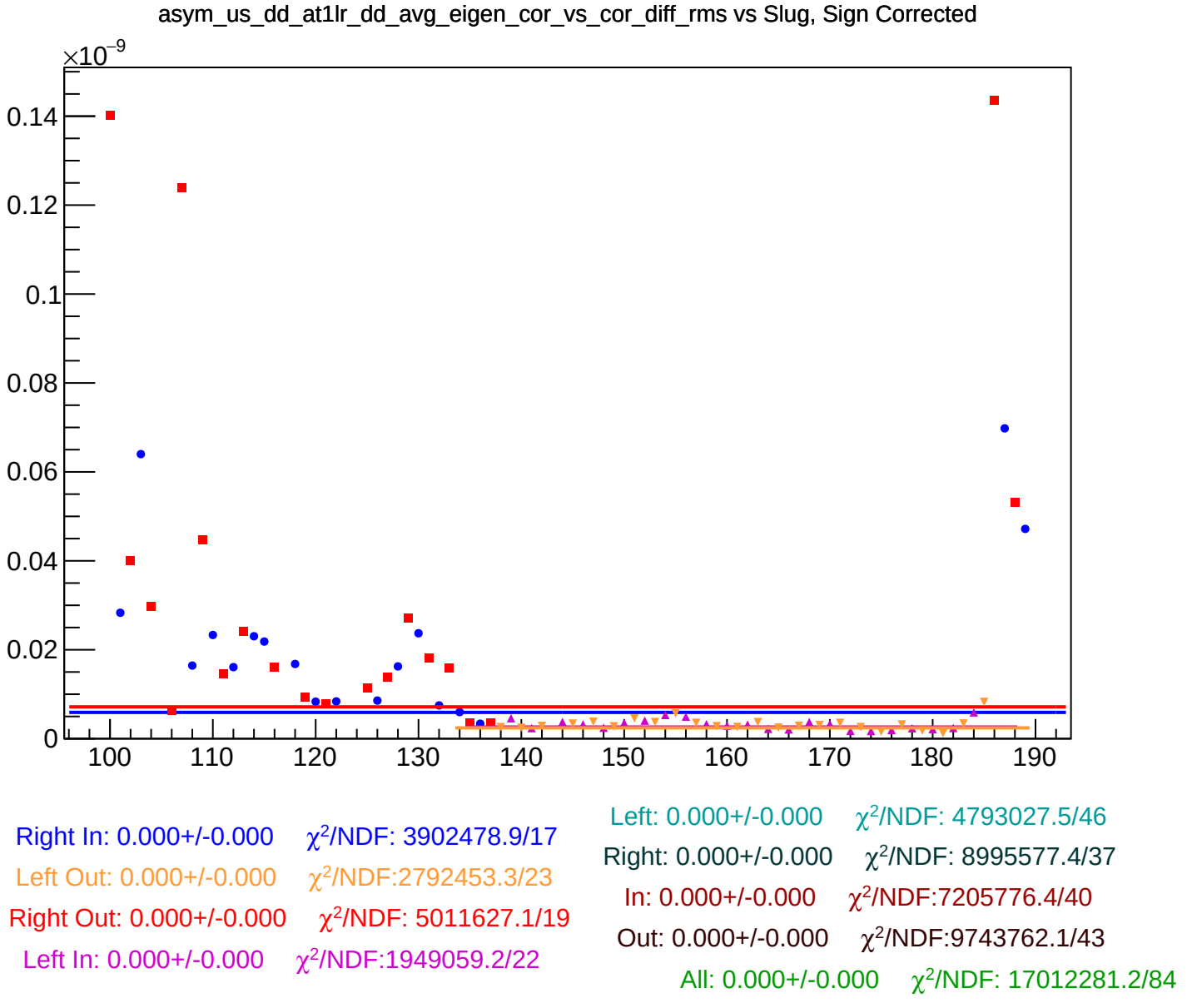
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

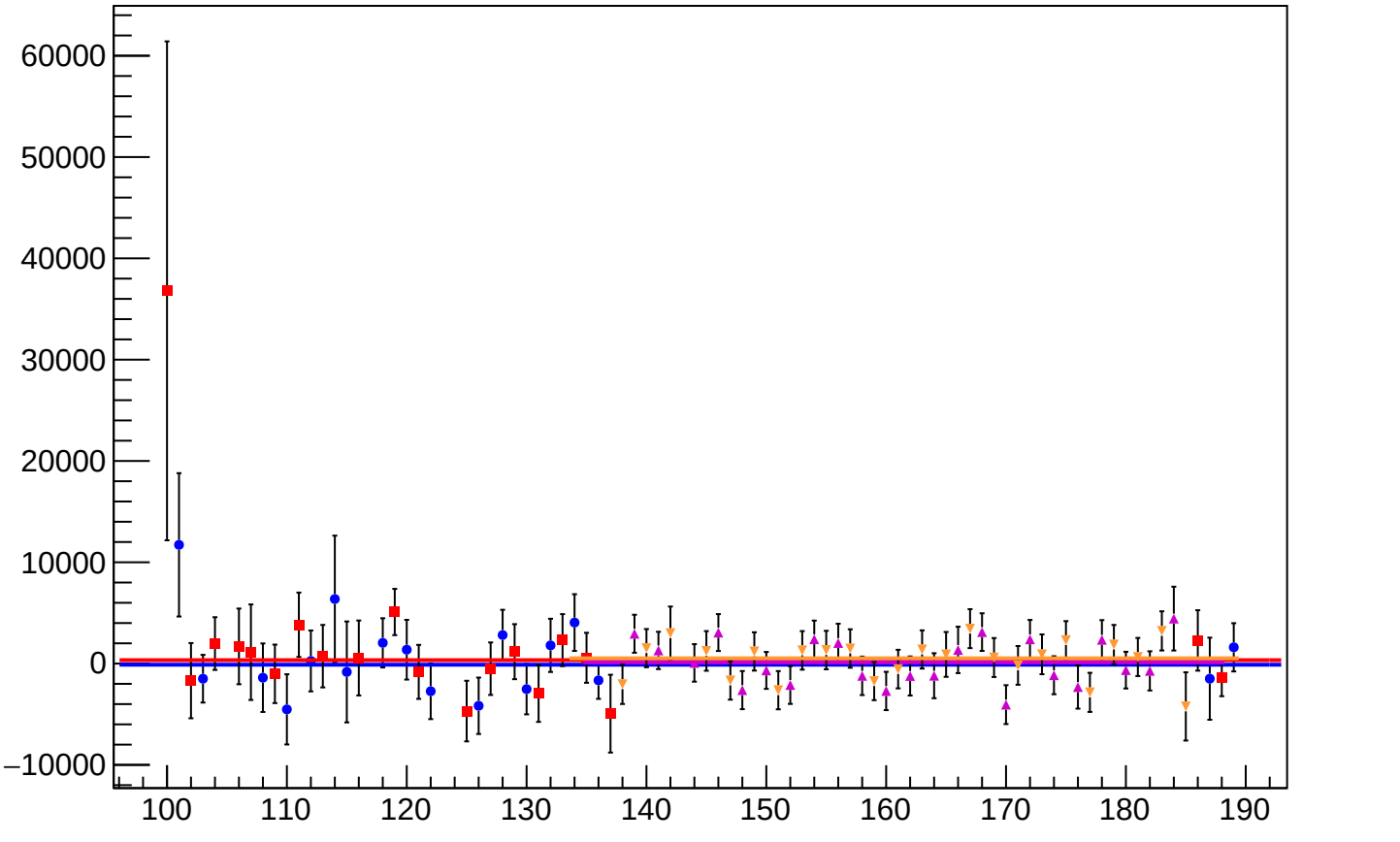
Right: -0.000+/-0.000 χ^2/NDF: 43.9/37

In: -0.000+/-0.000 χ^2/NDF:35.4/40

Out: 0.000+/-0.000 χ^2/NDF:57.7/43

All: 0.000+/-0.000 χ^2/NDF: 96.3/84


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3902478.9/17
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5011627.1/19
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: 8995577.4/37
In: 0.000+/-0.000 χ²/NDF:7205776.4/40
Out: 0.000+/-0.000 χ²/NDF:9743762.1/43
All: 0.000+/-0.000 χ²/NDF: 17012281.2/84



Right In: -112.665+/-670.250 χ^2/NDF: 16.5/17

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 338.479+/-649.027 χ^2/NDF: 17.1/19

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

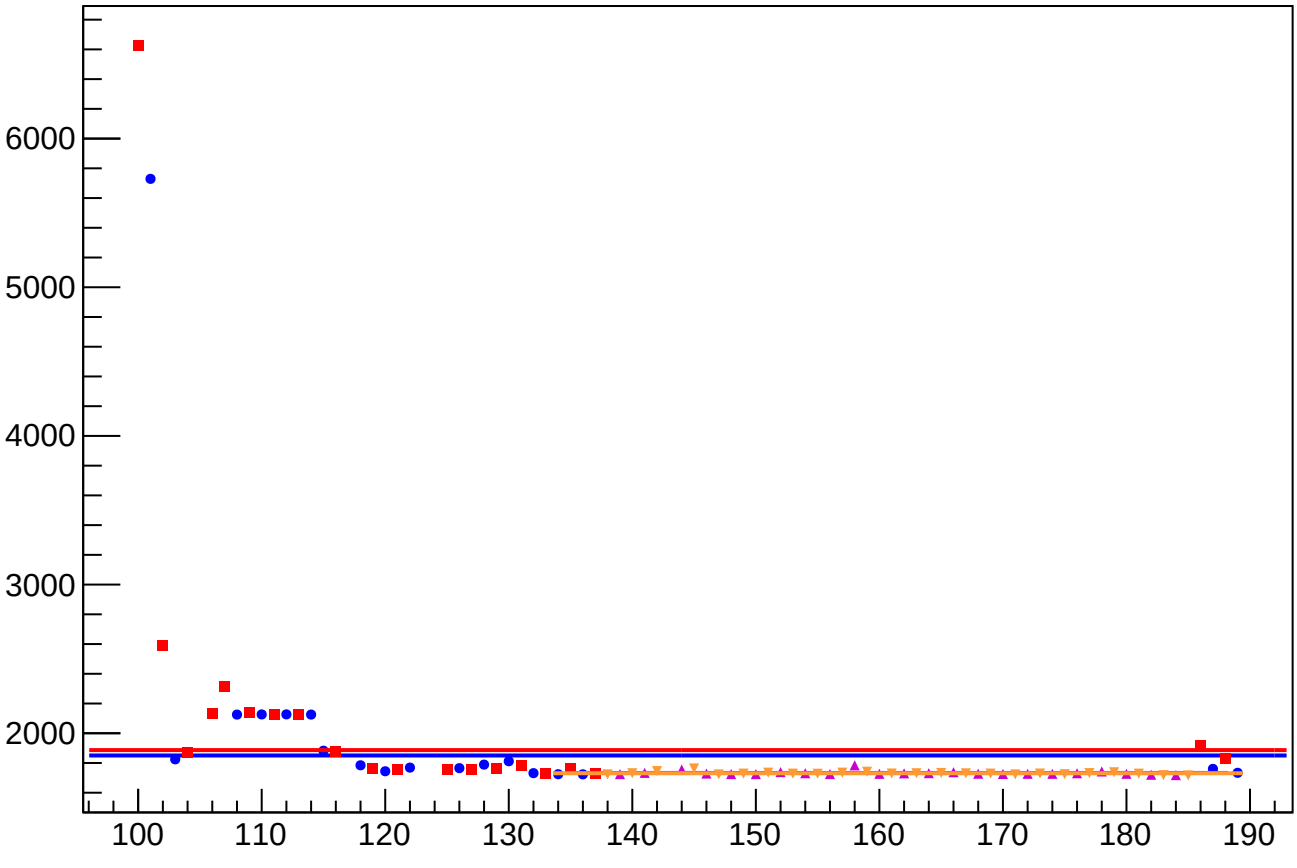
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 120.163+/-466.254 χ^2/NDF: 33.9/37

In: 62.274+/-346.401 χ^2/NDF:46.0/40

Out: 469.672+/-341.573 χ^2/NDF:38.0/43

All: 268.831+/-243.217 χ^2/NDF: 84.7/84



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.4/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1886.663+/-0.459 χ^2/NDF: 253666.7/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

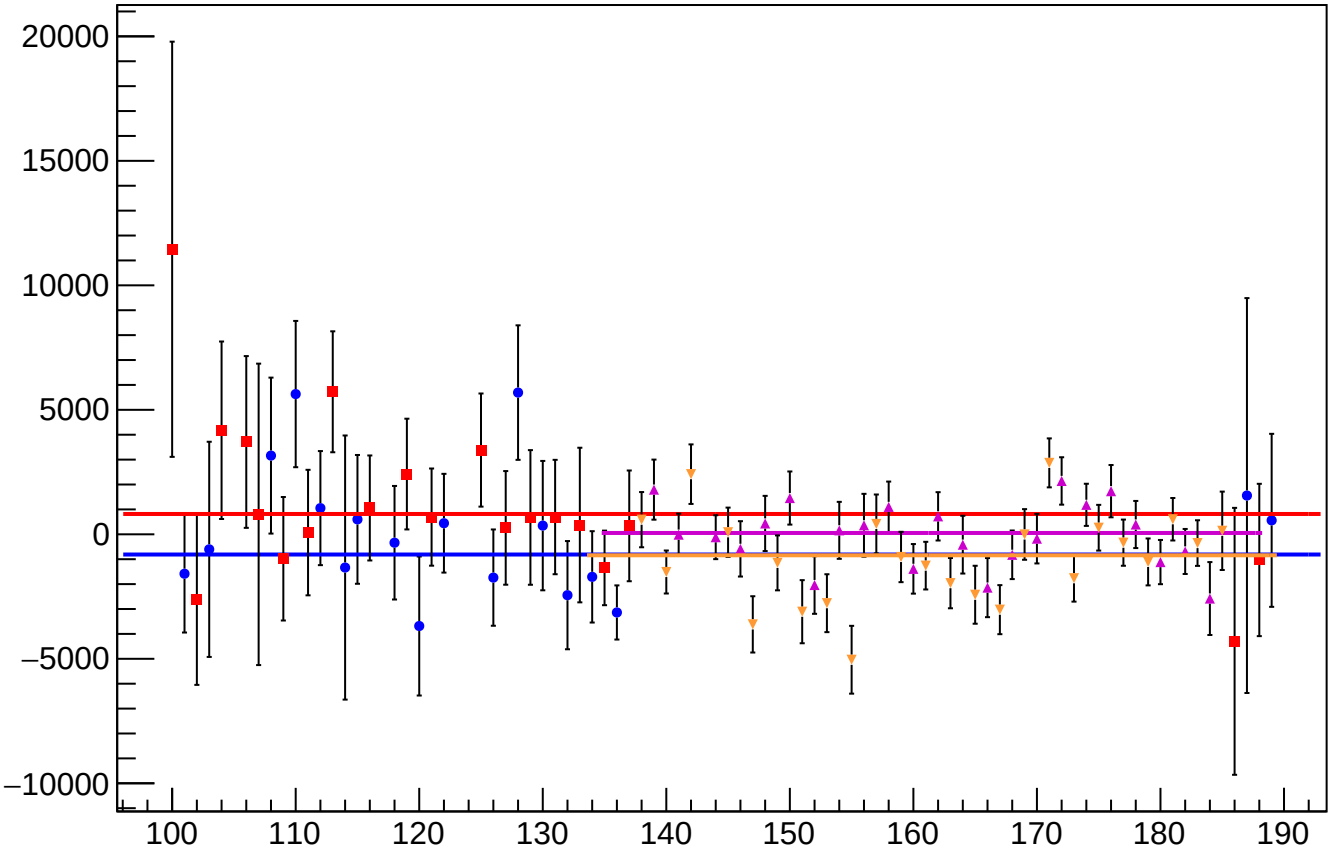
Right: 1869.147+/-0.330 χ^2/NDF: 937815.4/37

In: 1764.381+/-0.245 χ^2/NDF:728392.3/40

Out: 1774.004+/-0.242 χ^2/NDF:337982.2/43

All: 1769.260+/-0.172 χ^2/NDF: 1067157.1/84

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -811.532+/-541.766 χ^2/NDF: 20.9/17

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 816.687+/-570.352 χ^2/NDF: 14.2/19

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

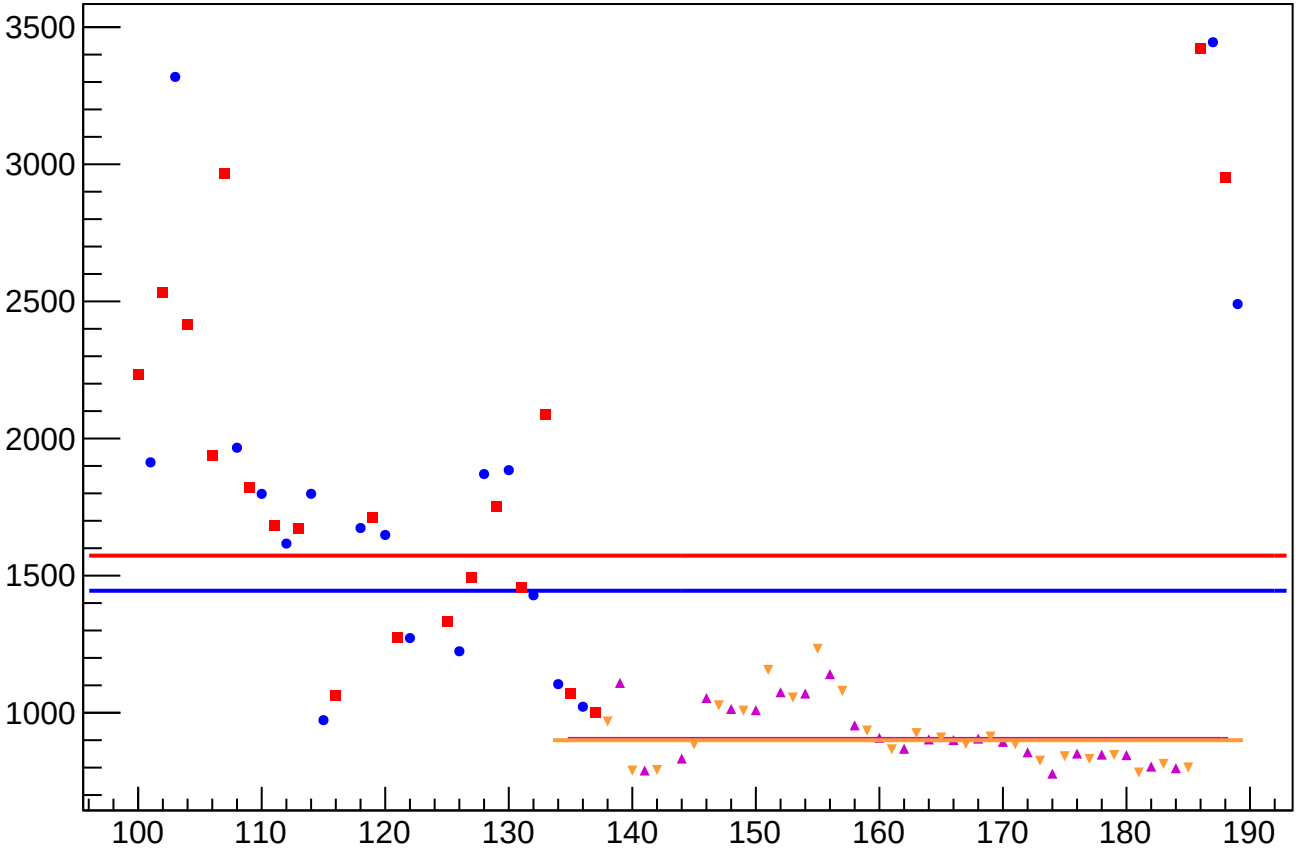
Right: -39.248+/-392.804 χ^2/NDF: 39.4/37

In: -61.927+/-198.202 χ^2/NDF:53.7/40

Out: -642.950+/-197.770 χ^2/NDF:84.4/43

All: -353.072+/-139.997 χ^2/NDF: 142.4/84

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1444.888+/-0.383 χ^2/NDF: 1484502.1/17

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1572.947+/-0.403 χ^2/NDF: 1704767.8/19

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

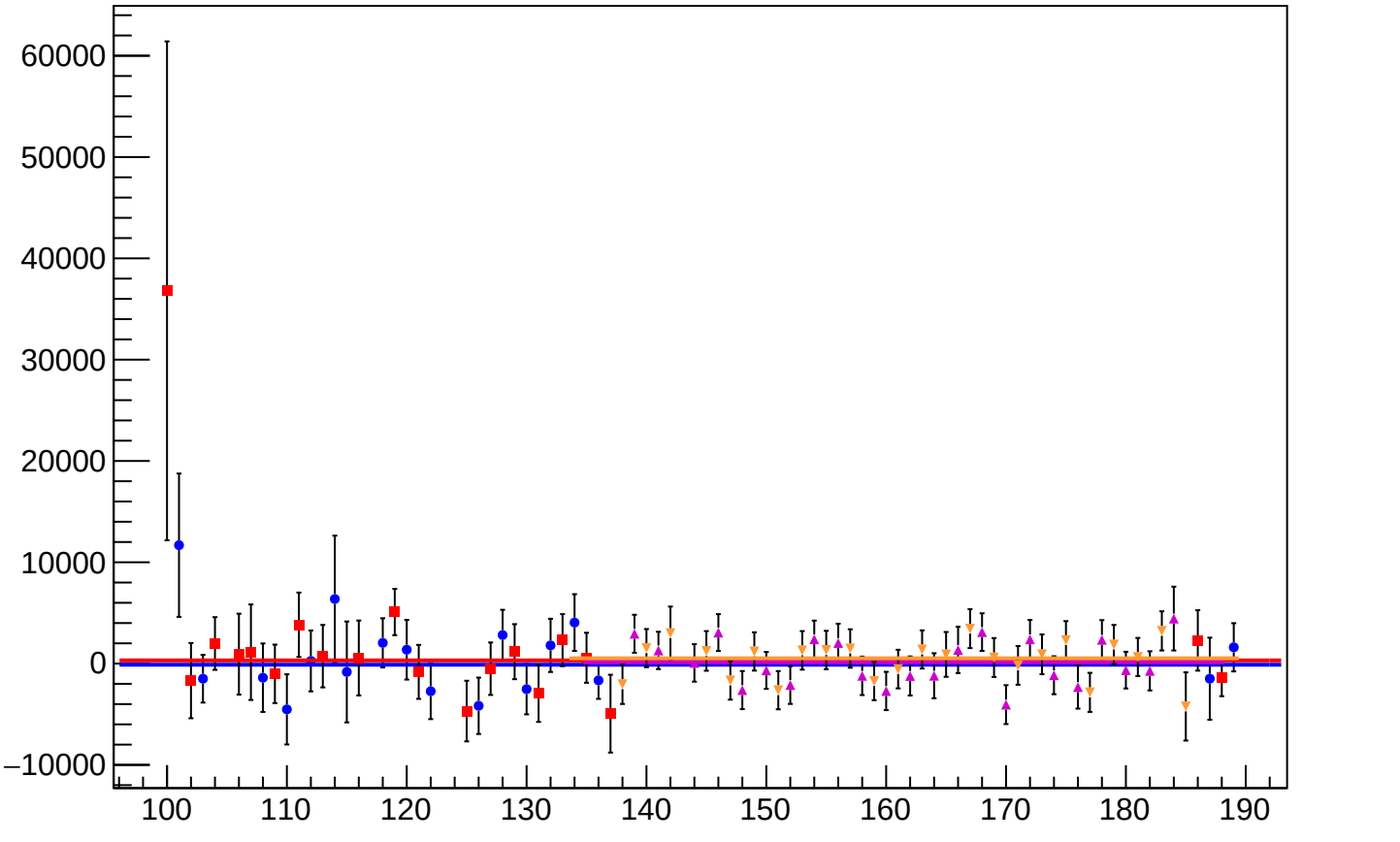
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1505.628+/-0.278 χ^2/NDF: 3242271.2/37

In: 976.962+/-0.140 χ^2/NDF:3659275.3/40

Out: 980.747+/-0.140 χ^2/NDF:4650930.9/43

All: 978.859+/-0.099 χ^2/NDF: 8310571.6/84



Right In: -113.340+/-670.250 χ^2/NDF: 16.5/17

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 313.497+/-650.258 χ^2/NDF: 17.0/19

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

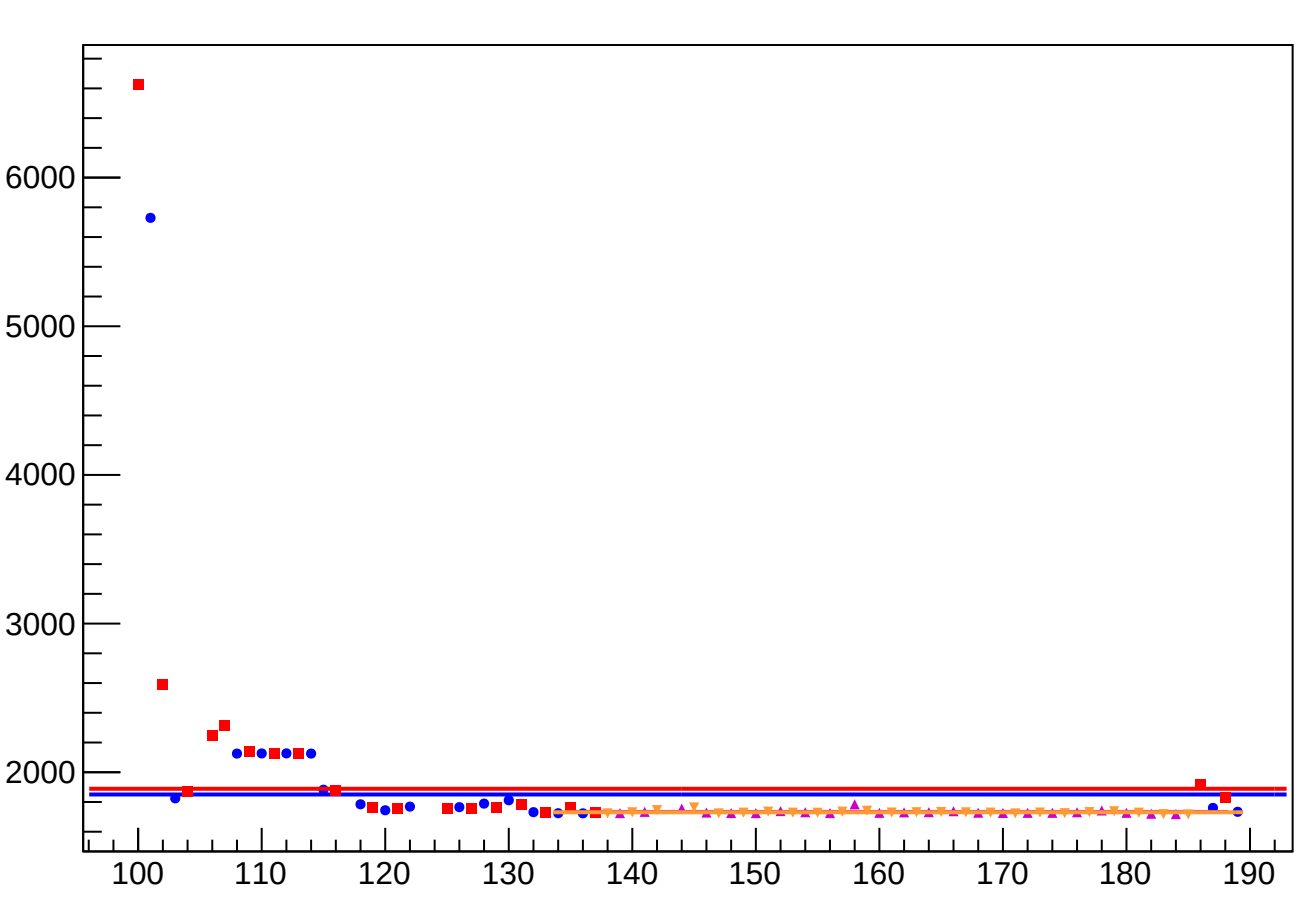
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 106.539+/-466.710 χ^2/NDF: 33.7/37

In: 62.138+/-346.401 χ^2/NDF:46.0/40

Out: 462.929+/-341.752 χ^2/NDF:37.9/43

All: 265.241+/-243.282 χ^2/NDF: 84.6/84



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.3/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1888.823+/-0.460 χ^2/NDF: 261458.0/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

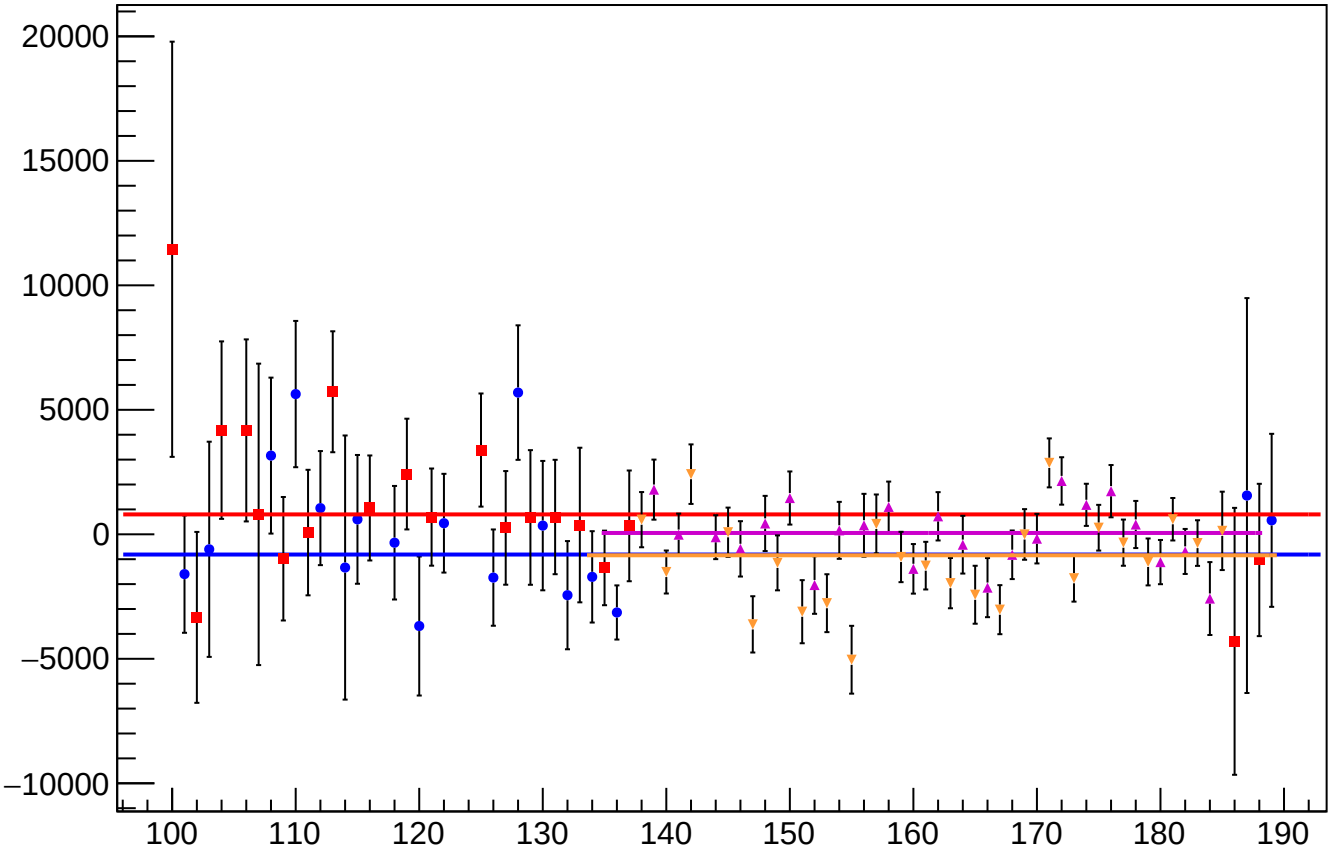
Right: 1870.225+/-0.330 χ^2/NDF: 945970.3/37

In: 1764.381+/-0.245 χ^2/NDF:728392.1/40

Out: 1774.483+/-0.242 χ^2/NDF:347865.3/43

All: 1769.500+/-0.172 χ^2/NDF: 1077119.3/84

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -812.331+/-541.725 χ^2/NDF: 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 799.580+/-571.208 χ^2/NDF: 14.8/19

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

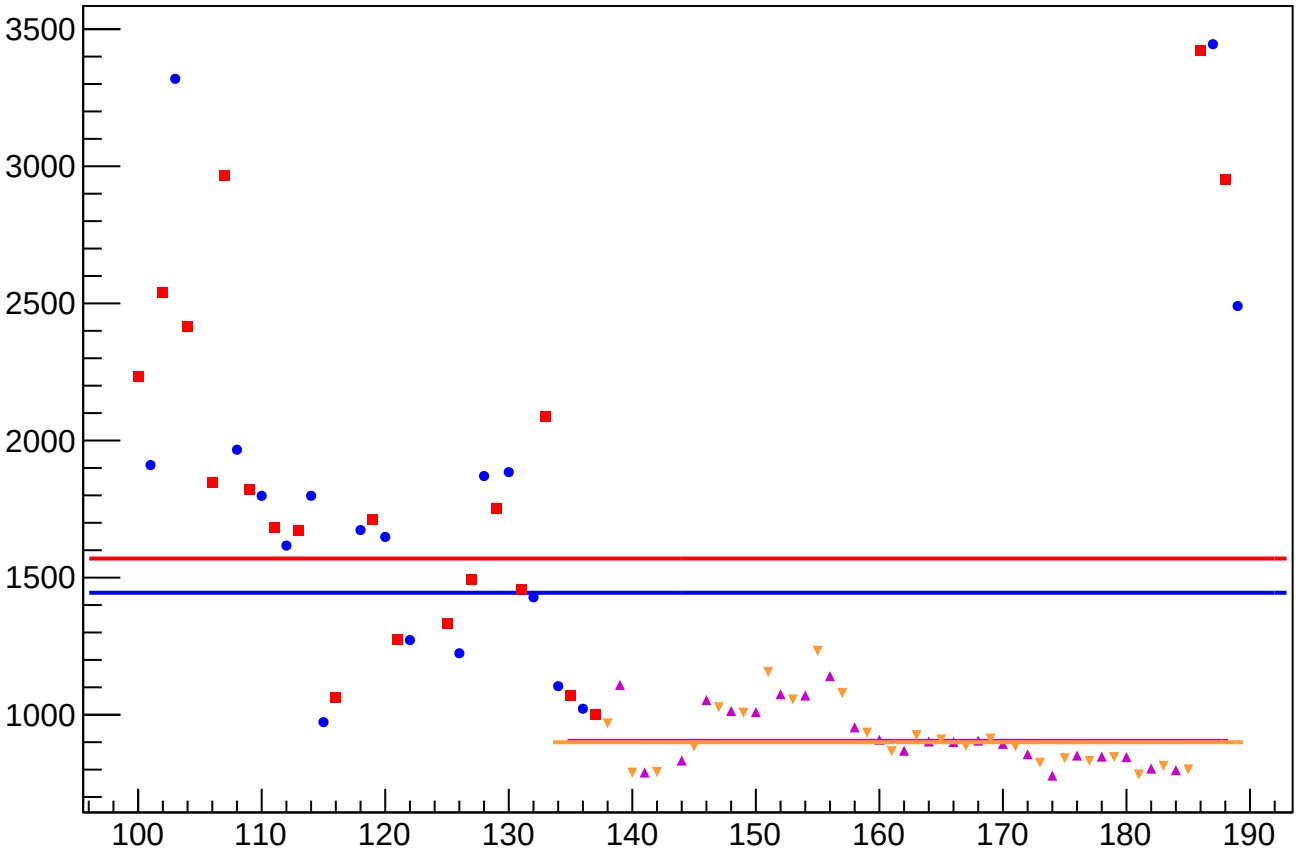
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -49.048+/-393.067 χ^2/NDF: 39.9/37

In: -62.030+/-198.200 χ^2/NDF:53.7/40

Out: -645.558+/-197.806 χ^2/NDF:84.8/43

All: -354.373+/-140.009 χ^2/NDF: 142.9/84



Right In: 1444.808+/-0.383 χ^2/NDF: 1483899.2/17

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1569.680+/-0.404 χ^2/NDF: 1695116.5/19

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

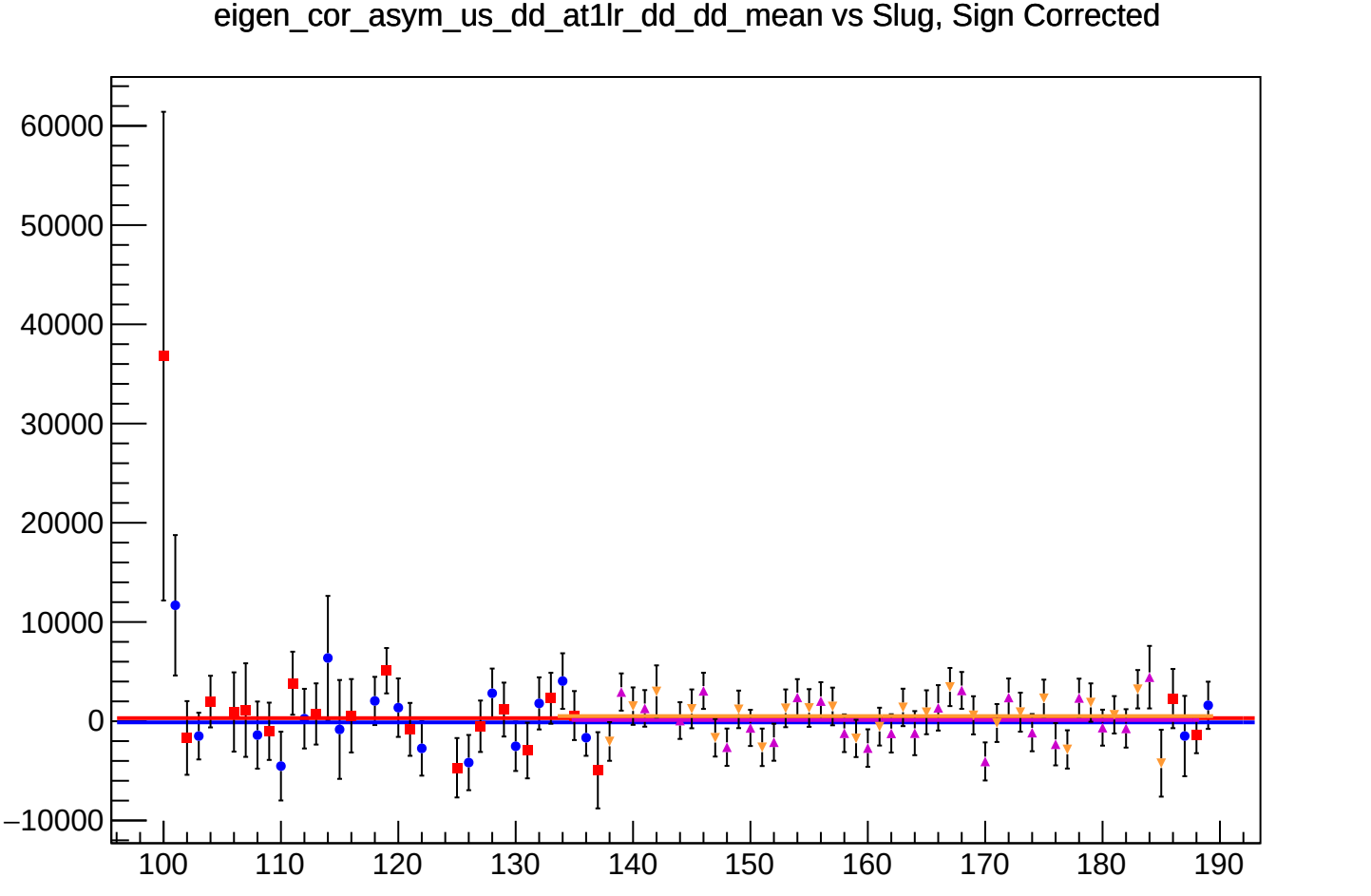
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

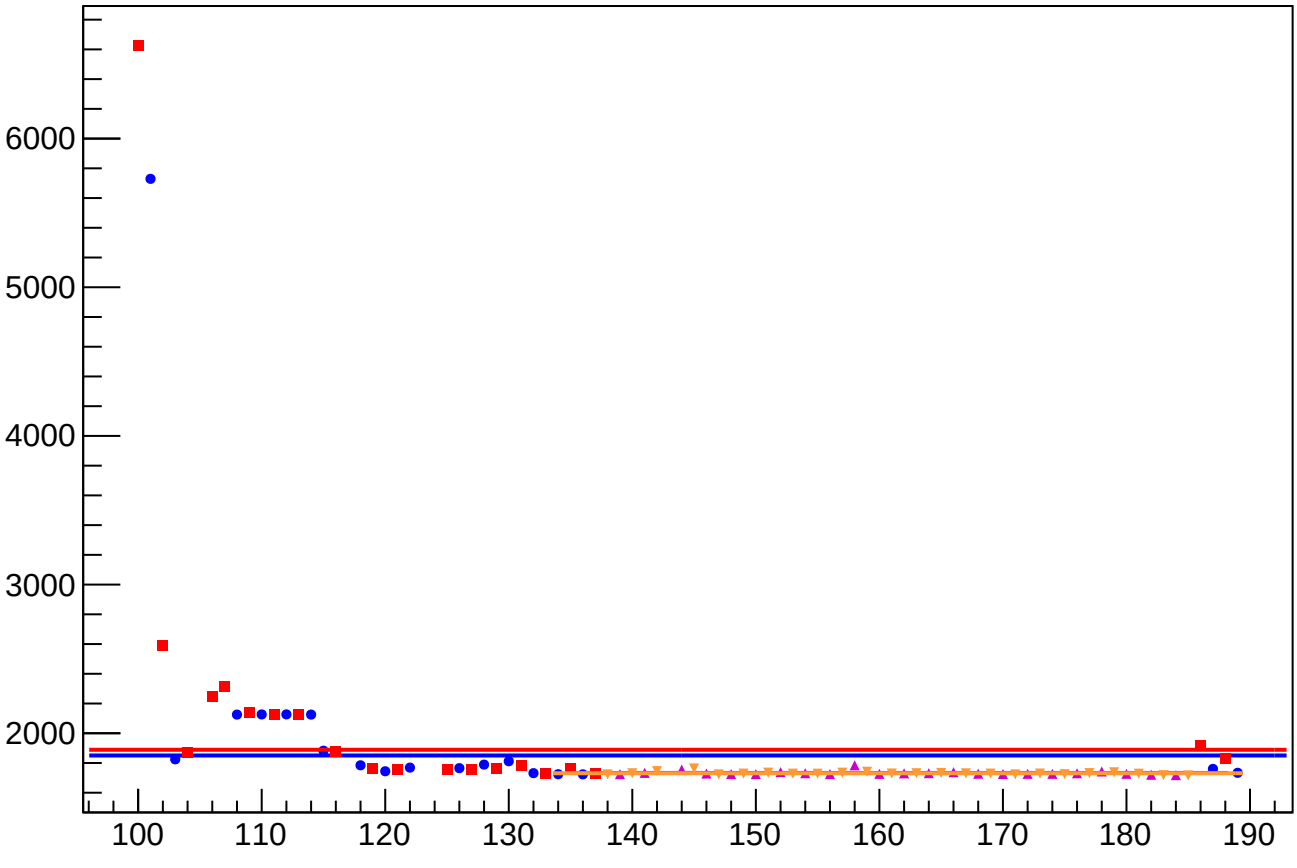
Right: 1503.938+/-0.278 χ^2/NDF: 3229336.8/37

In: 976.958+/-0.140 χ^2/NDF:3658413.3/40

Out: 980.145+/-0.140 χ^2/NDF:4611078.4/43

All: 978.554+/-0.099 χ^2/NDF: 8269750.8/84


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -113.340+/-670.250 χ²/NDF: 16.5/17
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 313.497+/-650.258 χ²/NDF: 17.0/19
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 106.539+/-466.710 χ²/NDF: 33.7/37
In: 62.138+/-346.401 χ²/NDF:46.0/40
Out: 462.929+/-341.752 χ²/NDF:37.9/43
All: 265.241+/-243.282 χ²/NDF: 84.6/84



Right In: 1850.466+/-0.474 χ^2/NDF: 681138.3/17

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1888.823+/-0.460 χ^2/NDF: 261458.0/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

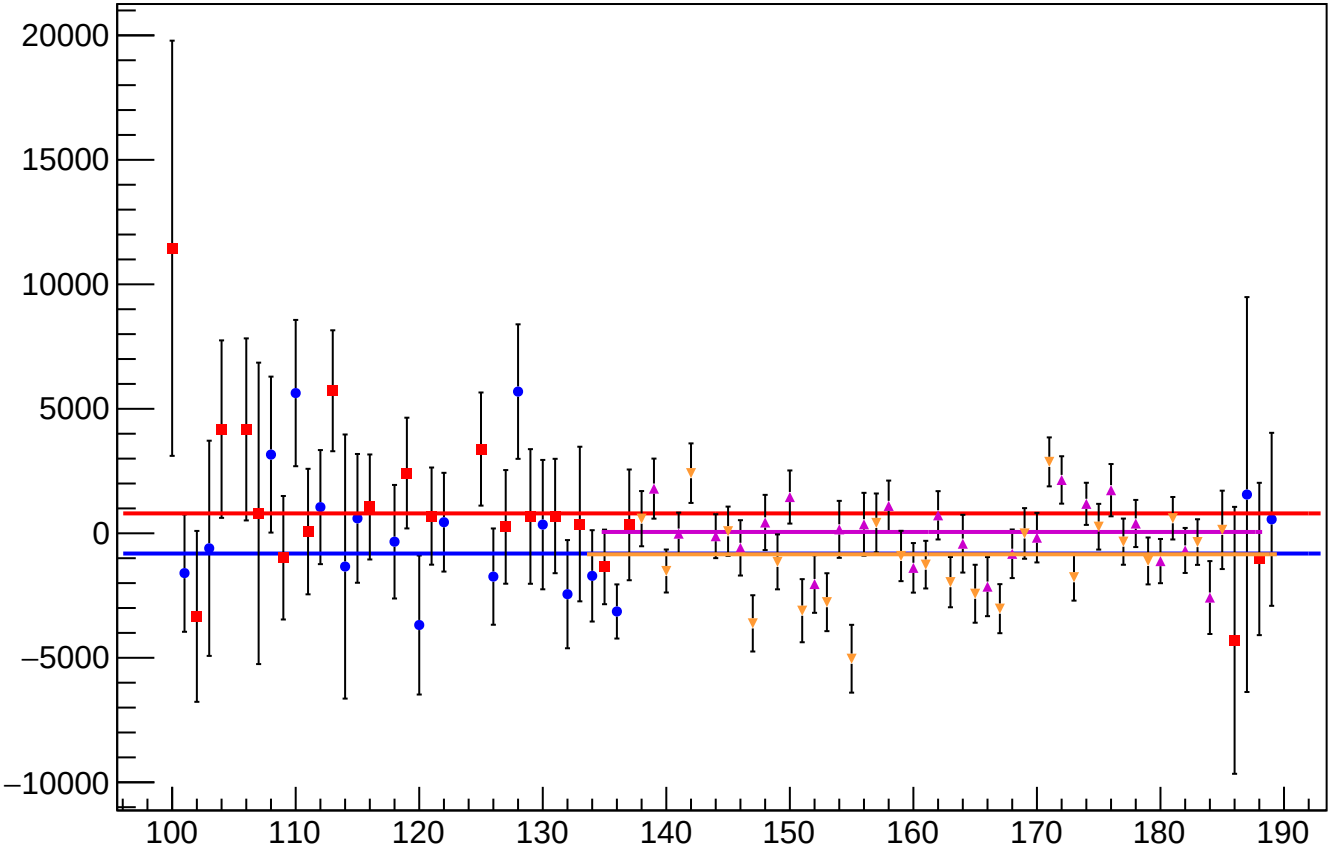
Right: 1870.225+/-0.330 χ^2/NDF: 945970.3/37

In: 1764.381+/-0.245 χ^2/NDF:728392.1/40

Out: 1774.483+/-0.242 χ^2/NDF:347865.3/43

All: 1769.500+/-0.172 χ^2/NDF: 1077119.3/84

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -812.331+/-541.725 χ^2/NDF: 20.9/17

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 799.580+/-571.208 χ^2/NDF: 14.8/19

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

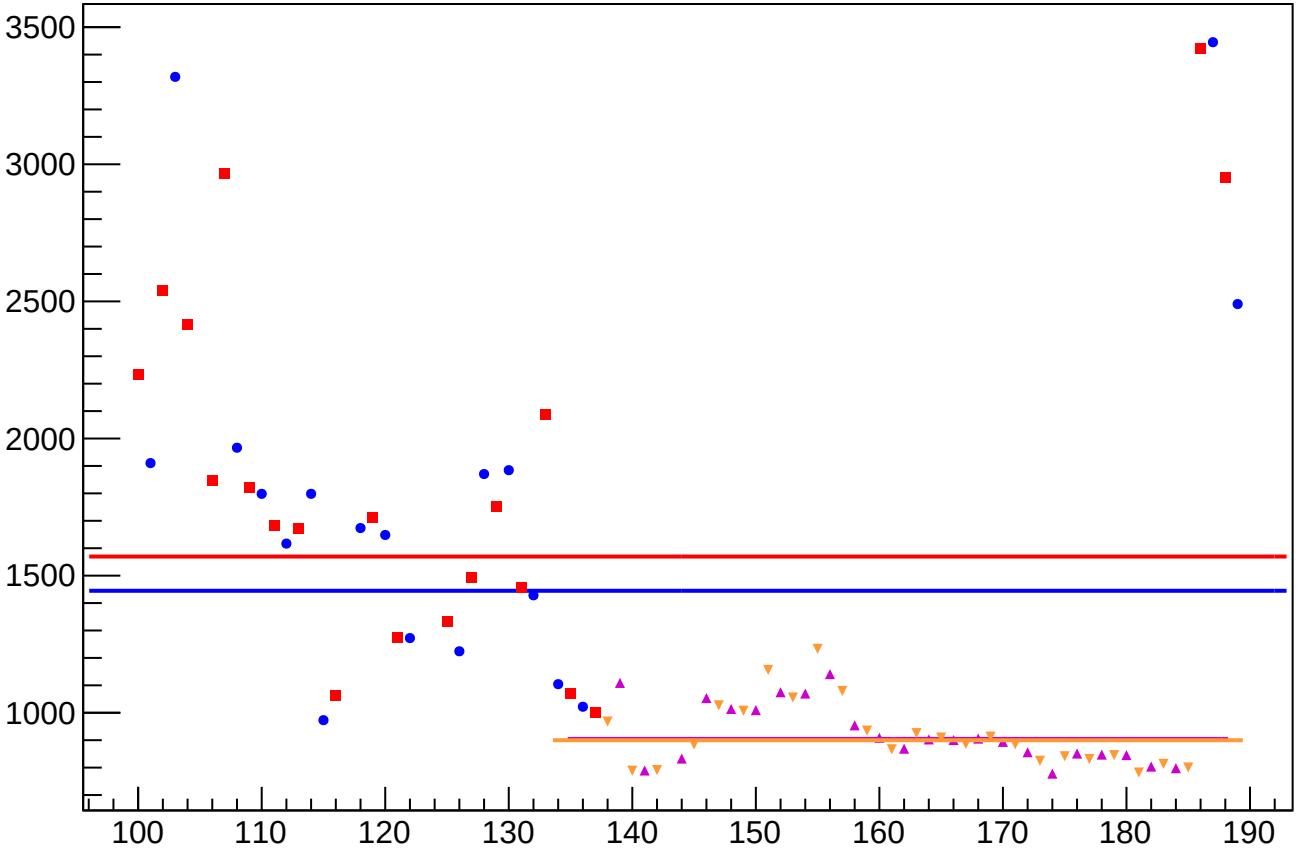
Right: -49.048+/-393.067 χ^2/NDF: 39.9/37

In: -62.030+/-198.200 χ^2/NDF:53.7/40

Out: -645.558+/-197.806 χ^2/NDF:84.8/43

All: -354.373+/-140.009 χ^2/NDF: 142.9/84

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1444.808+/-0.383 χ^2/NDF: 1483899.2/17

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1569.680+/-0.404 χ^2/NDF: 1695116.5/19

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

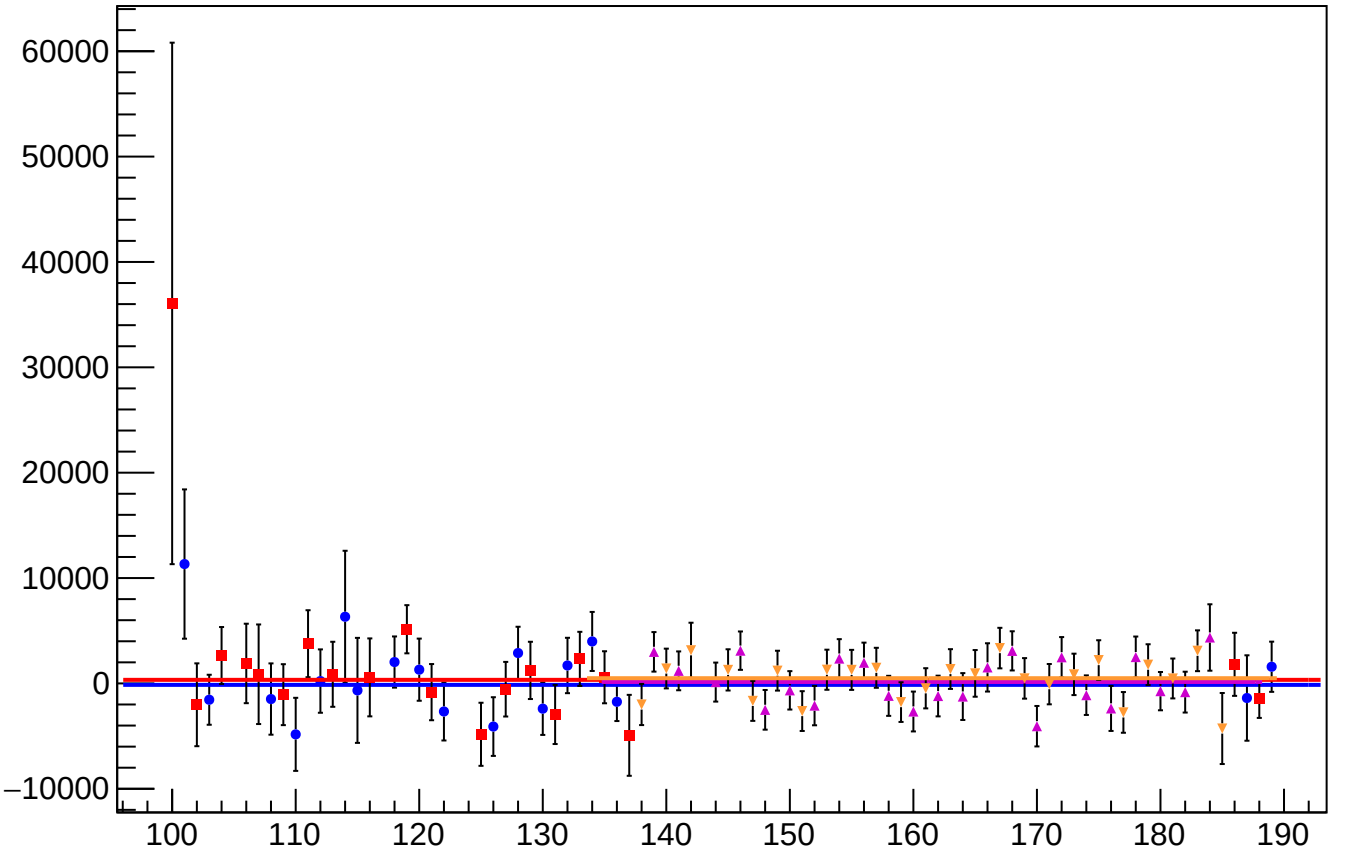
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1503.938+/-0.278 χ^2/NDF: 3229336.8/37

In: 976.958+/-0.140 χ^2/NDF:3658413.3/40

Out: 980.145+/-0.140 χ^2/NDF:4611078.4/43

All: 978.554+/-0.099 χ^2/NDF: 8269750.8/84



Right In: -137.534+/-671.004 χ^2/NDF: 16.3/17

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 339.388+/-652.197 χ^2/NDF: 17.6/19

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

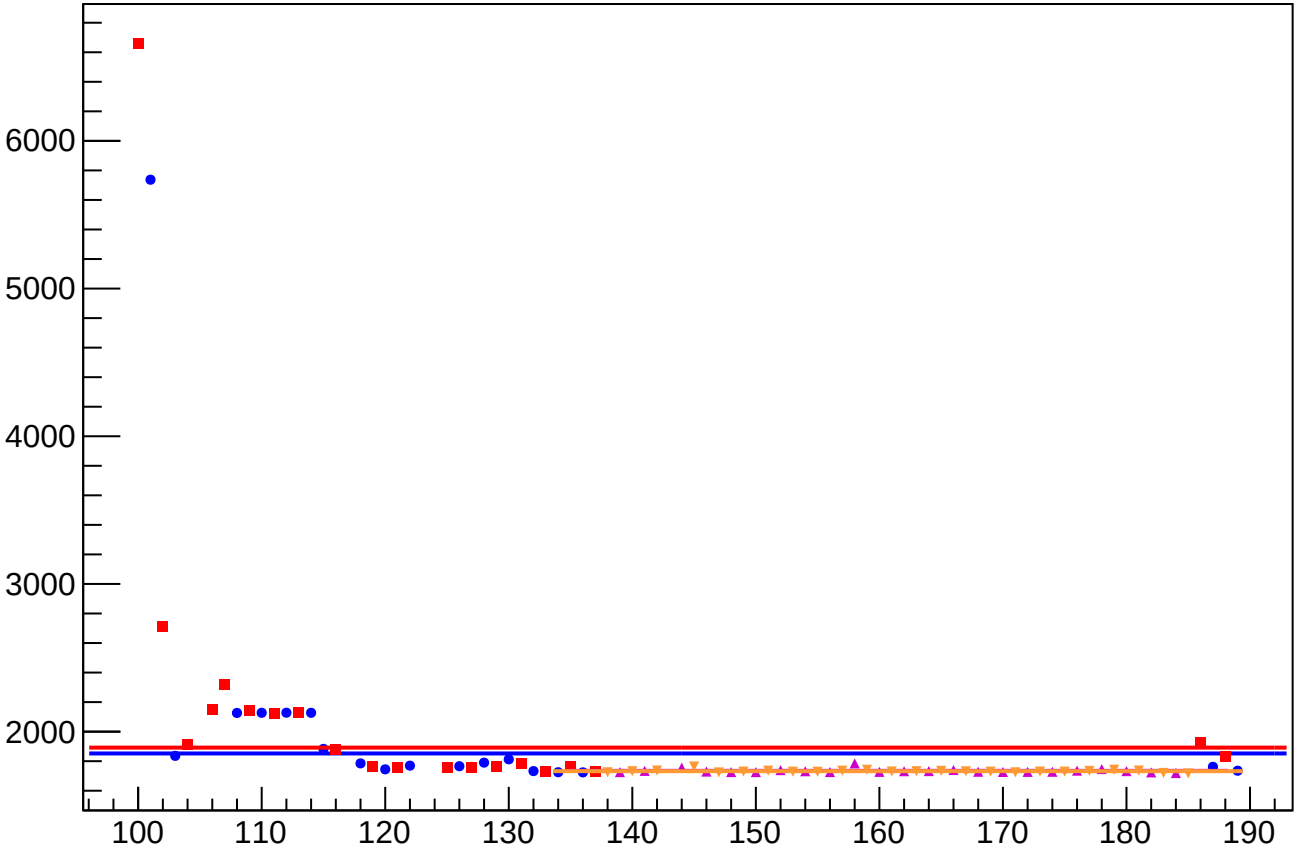
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 107.704+/-467.680 χ^2/NDF: 34.1/37

In: 63.813+/-346.733 χ^2/NDF:46.0/40

Out: 452.072+/-342.257 χ^2/NDF:37.7/43

All: 260.465+/-243.580 χ^2/NDF: 84.3/84



Right In: 1852.274+/-0.474 χ^2/NDF: 681494.7/17

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1891.846+/-0.461 χ^2/NDF: 271573.5/19

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

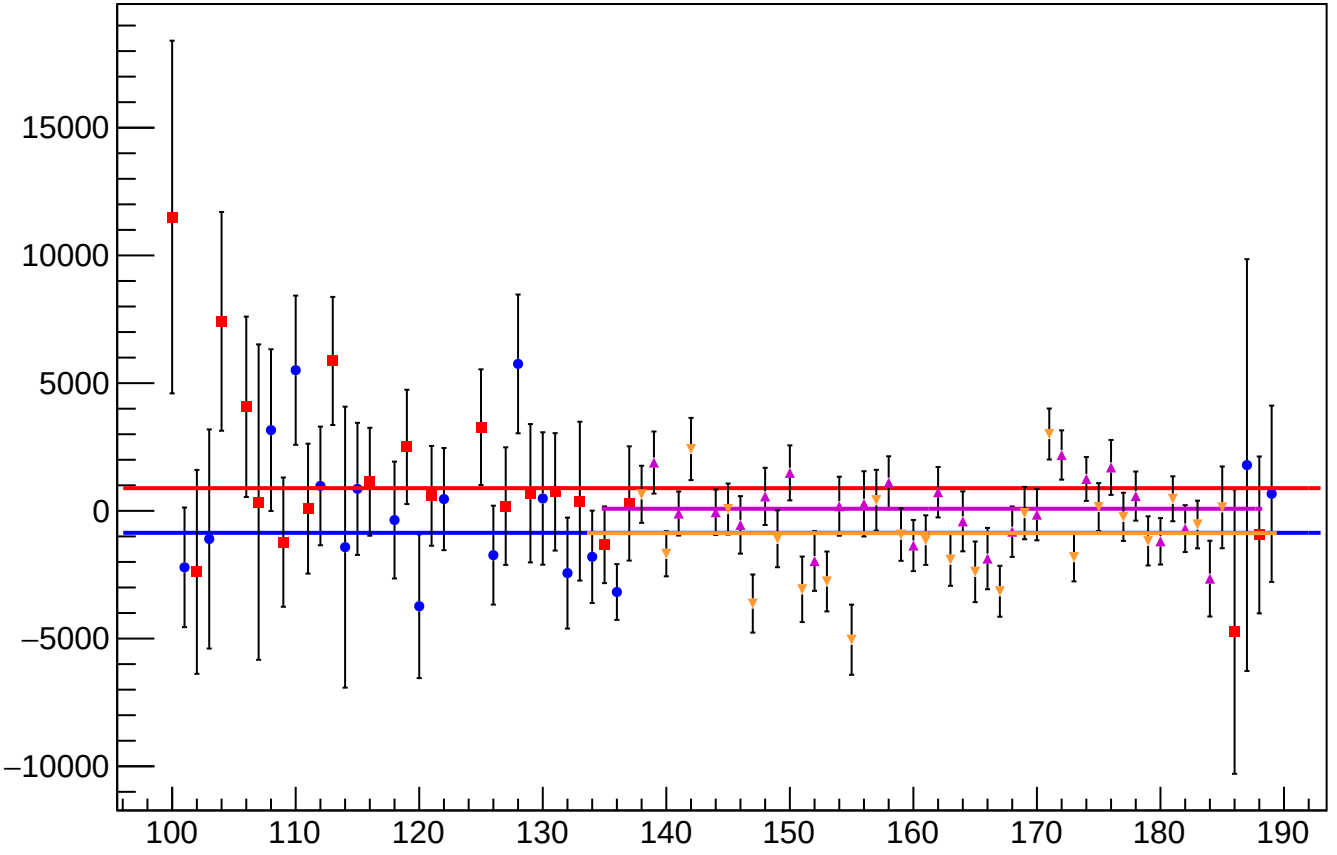
Right: 1872.622+/-0.331 χ^2/NDF: 956645.0/37

In: 1765.998+/-0.245 χ^2/NDF:728820.1/40

Out: 1776.302+/-0.242 χ^2/NDF:359113.8/43

All: 1771.217+/-0.172 χ^2/NDF: 1088828.4/84

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -859.637+/-542.718 χ^2/NDF: 21.3/17

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 888.822+/-577.784 χ^2/NDF: 16.4/19

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

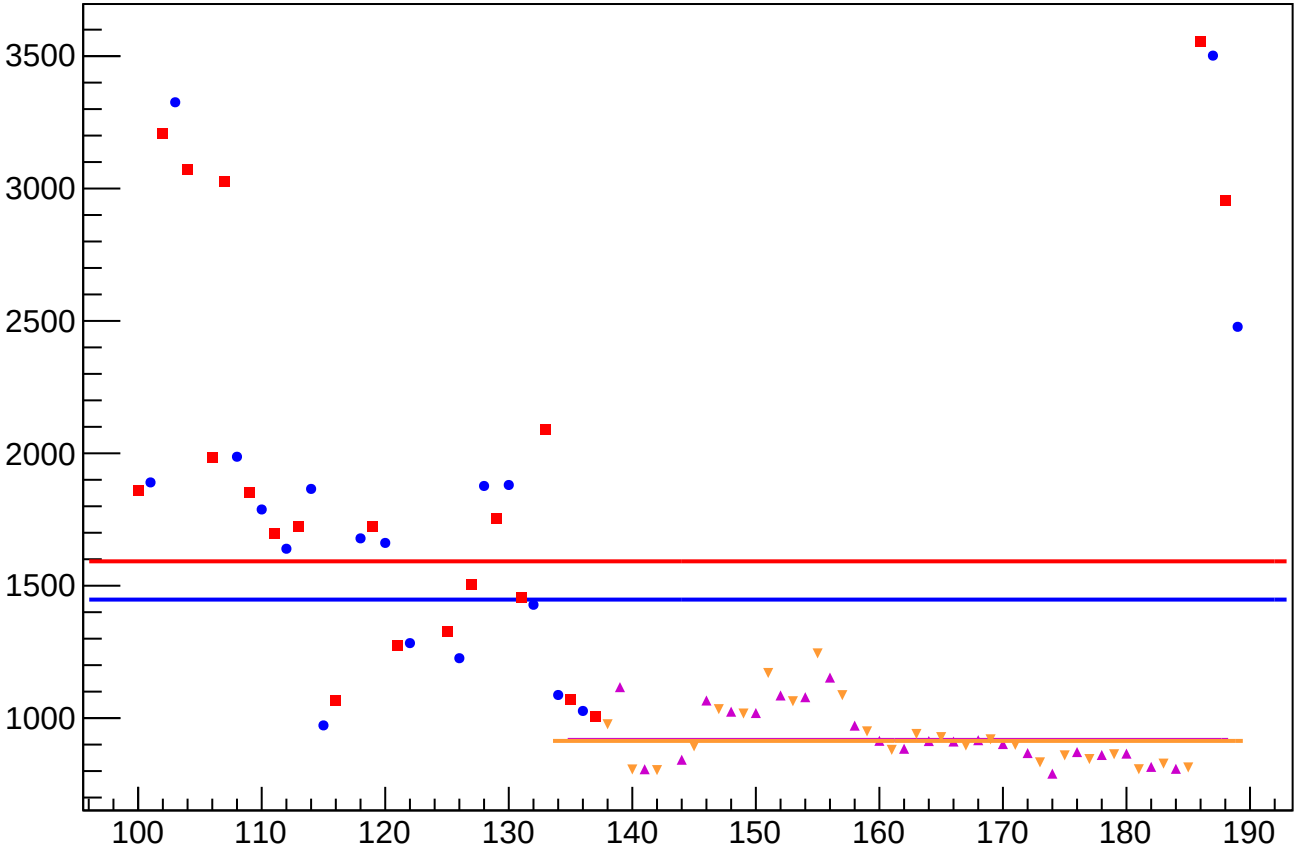
Right: -40.072+/-395.576 χ^2/NDF: 42.5/37

In: -47.086+/-200.620 χ^2/NDF:53.9/40

Out: -660.301+/-200.684 χ^2/NDF:86.5/43

All: -353.596+/-141.882 χ^2/NDF: 145.1/84

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1447.578+/-0.384 χ^2/NDF: 1494259.1/17

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1592.088+/-0.409 χ^2/NDF: 2033597.8/19

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

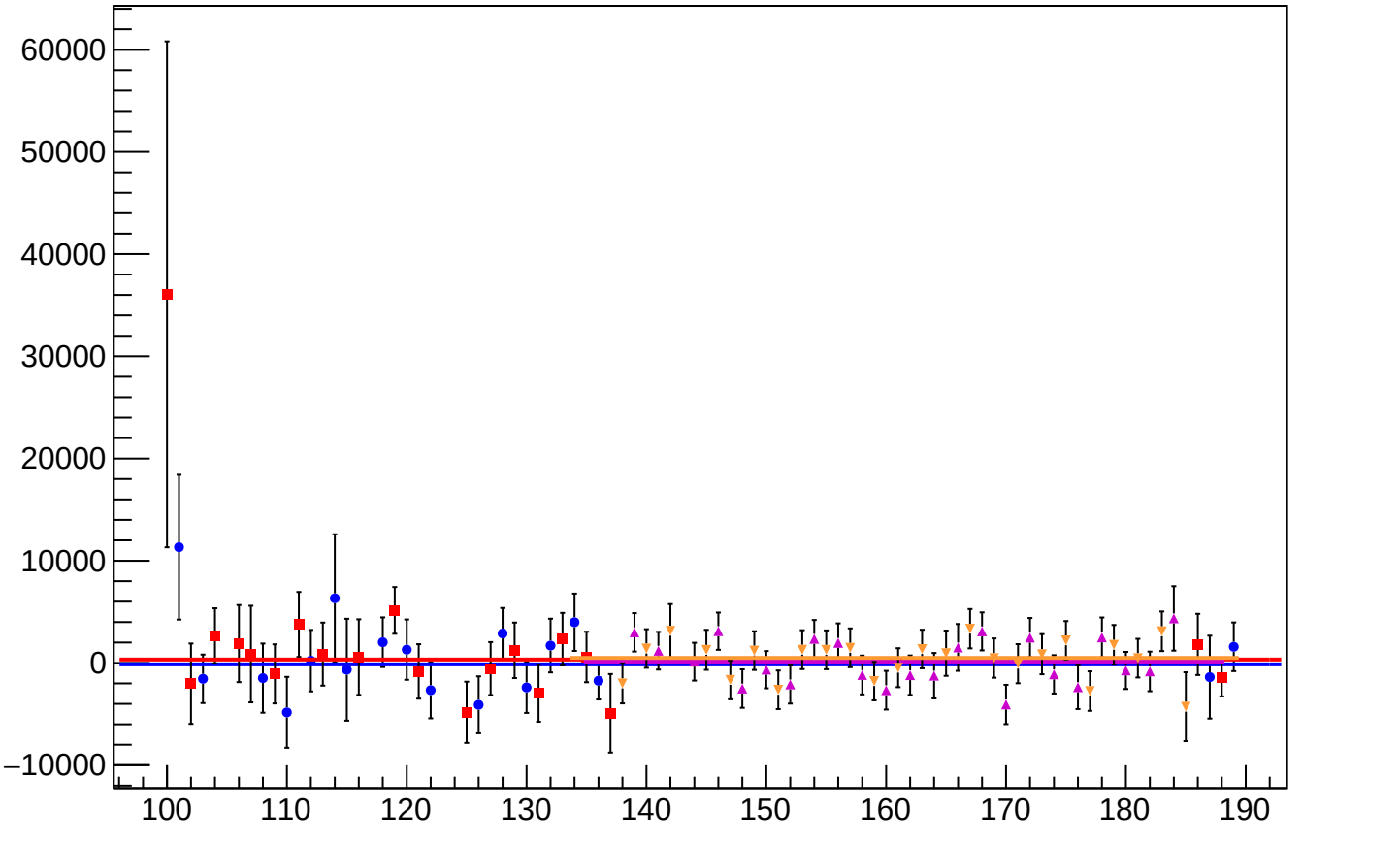
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1515.315+/-0.280 χ^2/NDF: 3594323.9/37

In: 990.084+/-0.142 χ^2/NDF:3570887.0/40

Out: 995.716+/-0.142 χ^2/NDF:4919523.6/43

All: 992.899+/-0.100 χ^2/NDF: 8491198.5/84



Right In: -137.533+/-671.004 χ^2/NDF: 16.3/17

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 339.388+/-652.197 χ^2/NDF: 17.6/19

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

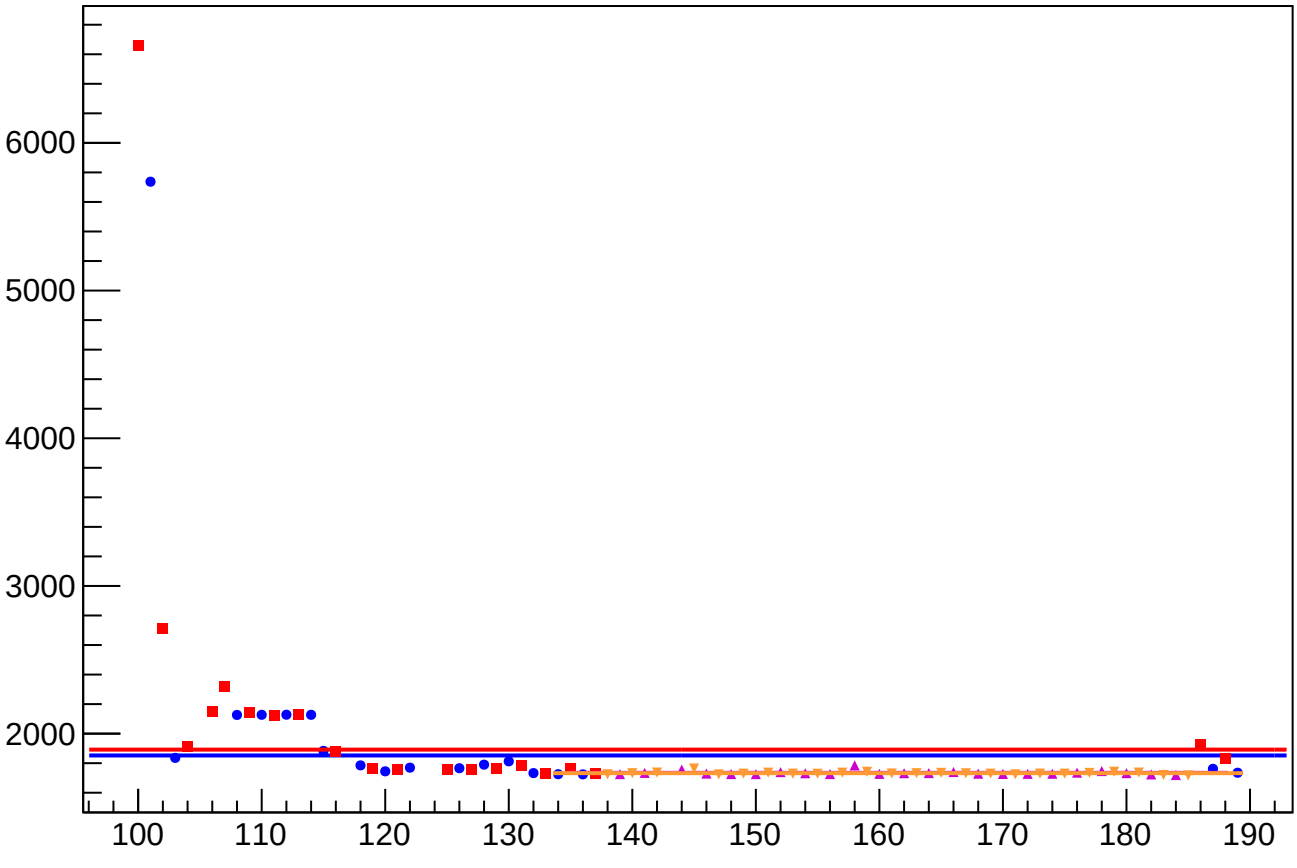
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 107.705+/-467.680 χ^2/NDF: 34.1/37

In: 63.814+/-346.733 χ^2/NDF:46.0/40

Out: 452.071+/-342.257 χ^2/NDF:37.7/43

All: 260.465+/-243.580 χ^2/NDF: 84.3/84



Right In: 1852.274+/-0.474 χ^2/NDF: 681494.7/17

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1891.846+/-0.461 χ^2/NDF: 271573.3/19

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

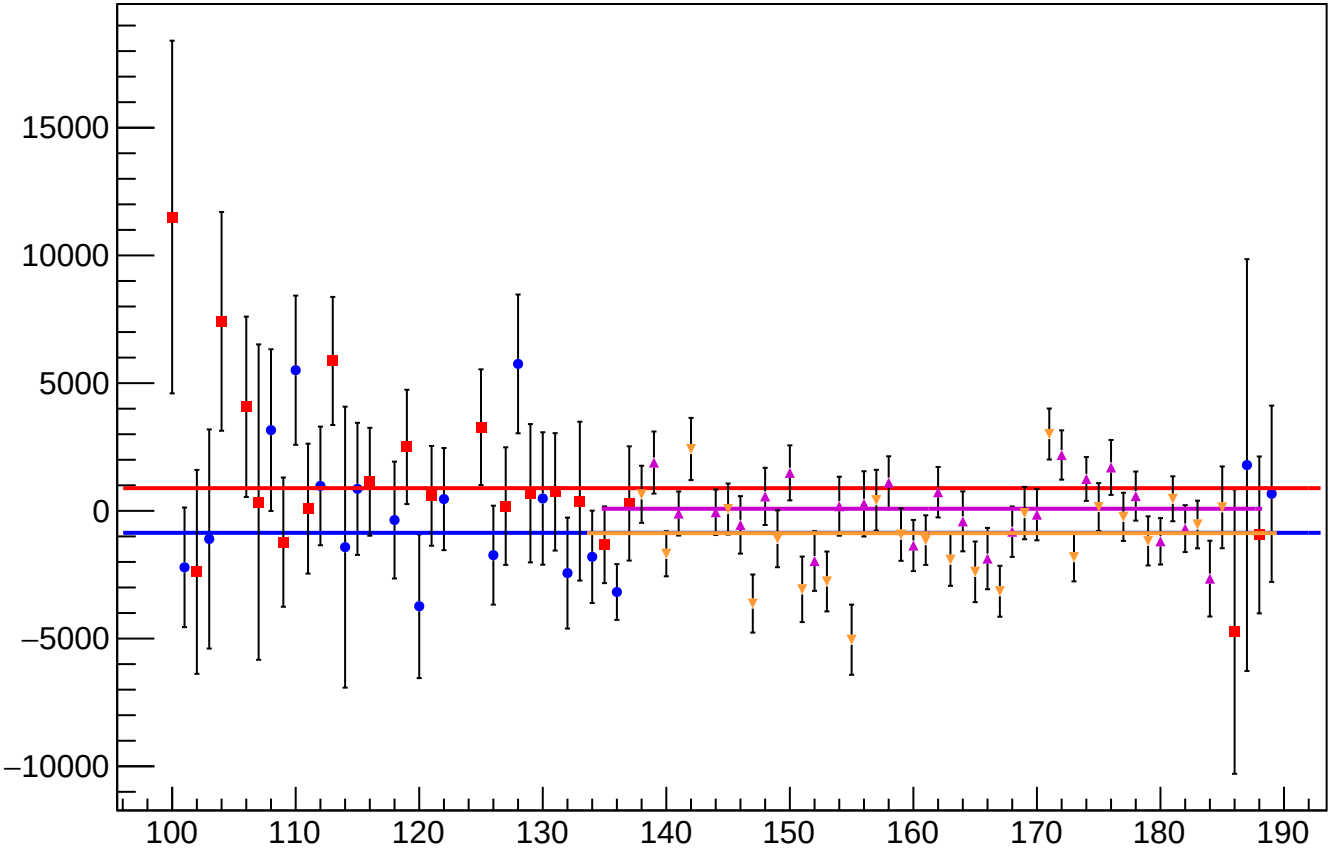
Right: 1872.622+/-0.331 χ^2/NDF: 956644.8/37

In: 1765.998+/-0.245 χ^2/NDF:728820.0/40

Out: 1776.302+/-0.242 χ^2/NDF:359113.5/43

All: 1771.217+/-0.172 χ^2/NDF: 1088828.1/84

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -859.633+/-542.717 χ^2/NDF: 21.3/17

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 888.820+/-577.783 χ^2/NDF: 16.4/19

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

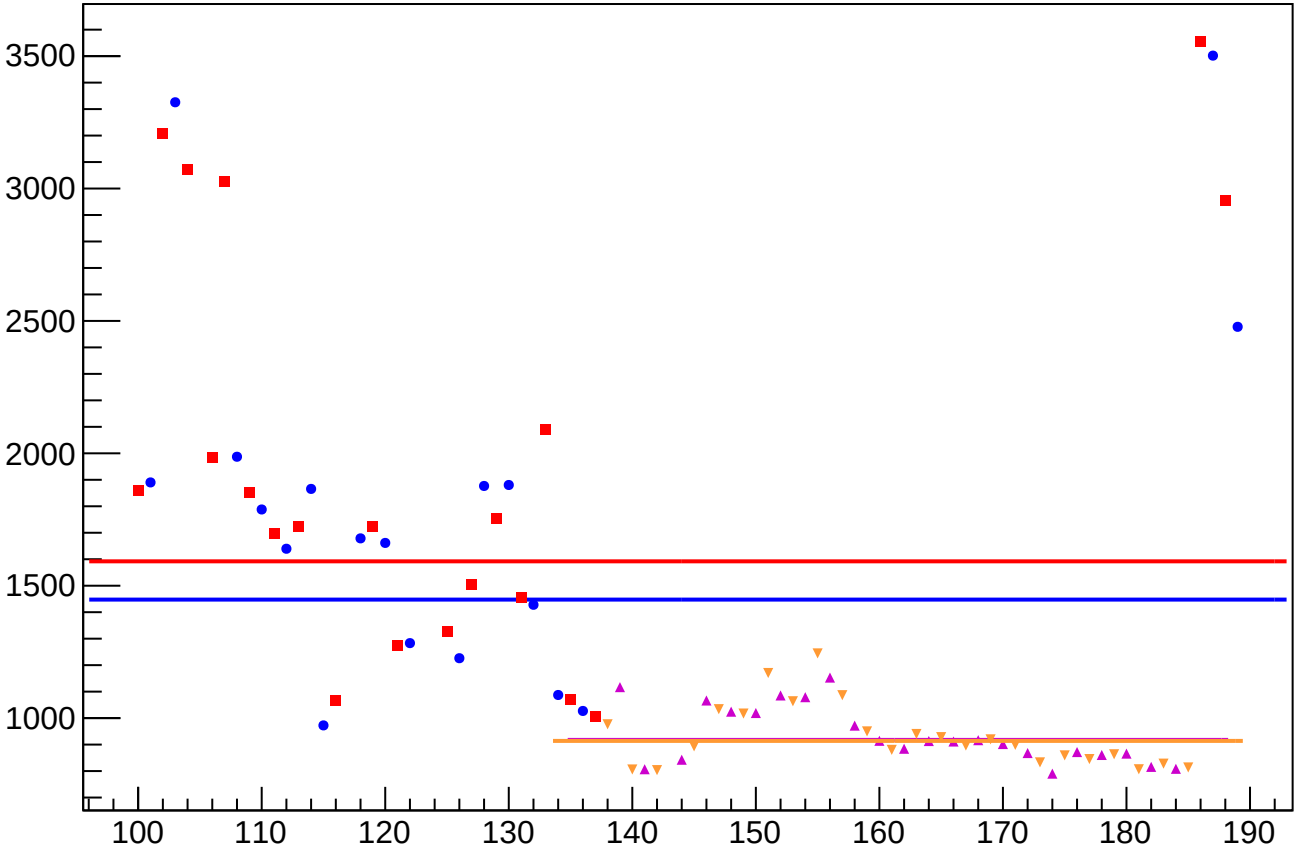
Right: -40.071+/-395.575 χ^2/NDF: 42.5/37

In: -47.087+/-200.620 χ^2/NDF:53.9/40

Out: -660.300+/-200.684 χ^2/NDF:86.5/43

All: -353.595+/-141.882 χ^2/NDF: 145.1/84

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1447.575+/-0.384 χ^2/NDF: 1494260.6/17

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1592.085+/-0.409 χ^2/NDF: 2033603.1/19

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

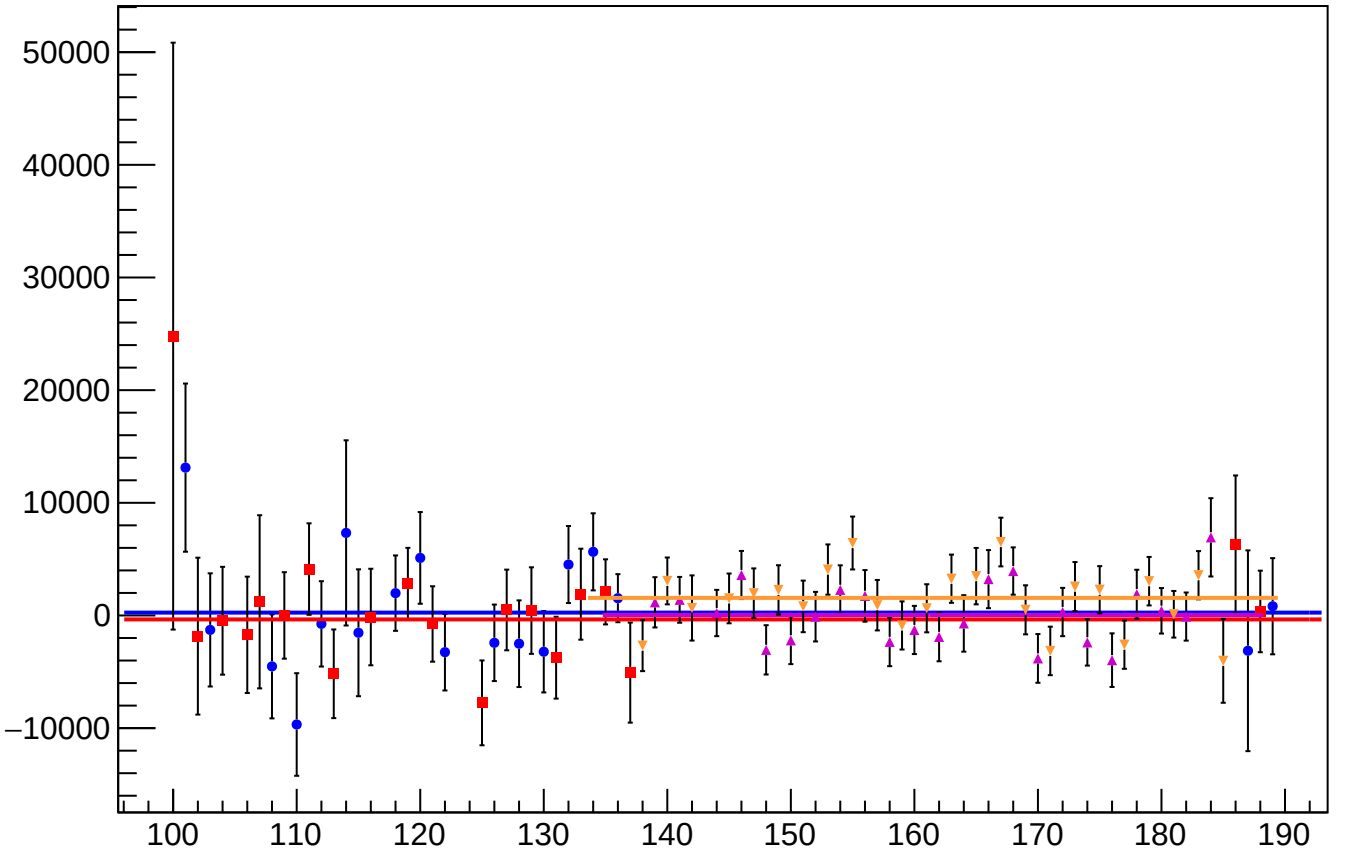
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1515.312+/-0.280 χ^2/NDF: 3594331.5/37

In: 990.083+/-0.142 χ^2/NDF:3570887.7/40

Out: 995.715+/-0.142 χ^2/NDF:4919527.0/43

All: 992.898+/-0.100 χ^2/NDF: 8491202.6/84



Right In: 254.157+/-914.982 χ^2/NDF: 19.2/17

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -349.855+/-920.151 χ^2/NDF: 13.0/19

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

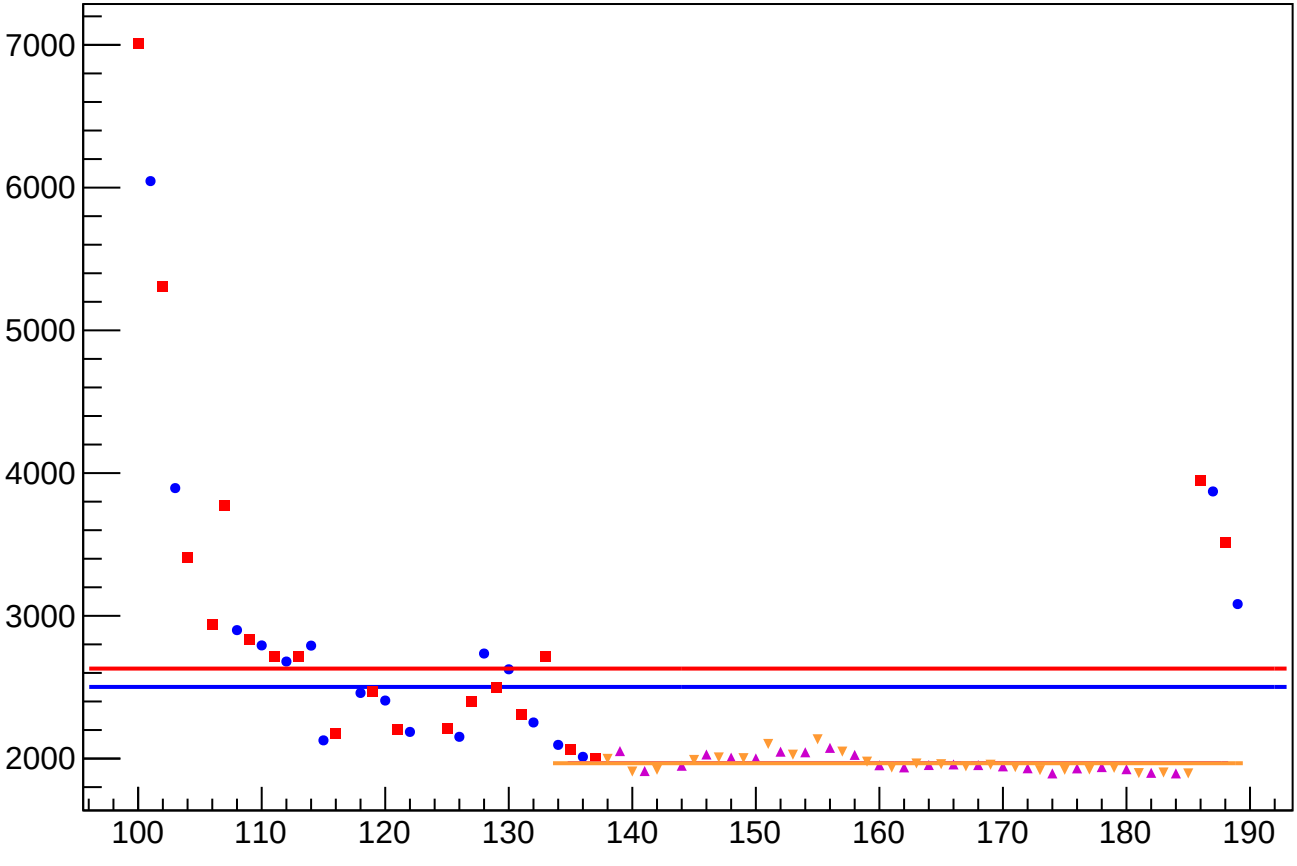
Right: -46.148+/-648.809 χ^2/NDF: 32.4/37

In: 83.106+/-410.940 χ^2/NDF:47.0/40

Out: 1183.356+/-409.215 χ^2/NDF:47.7/43

All: 635.546+/-289.967 χ^2/NDF: 98.3/84

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2501.913+/-0.647 χ^2/NDF: 921415.5/17

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2630.477+/-0.651 χ^2/NDF: 903244.6/19

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

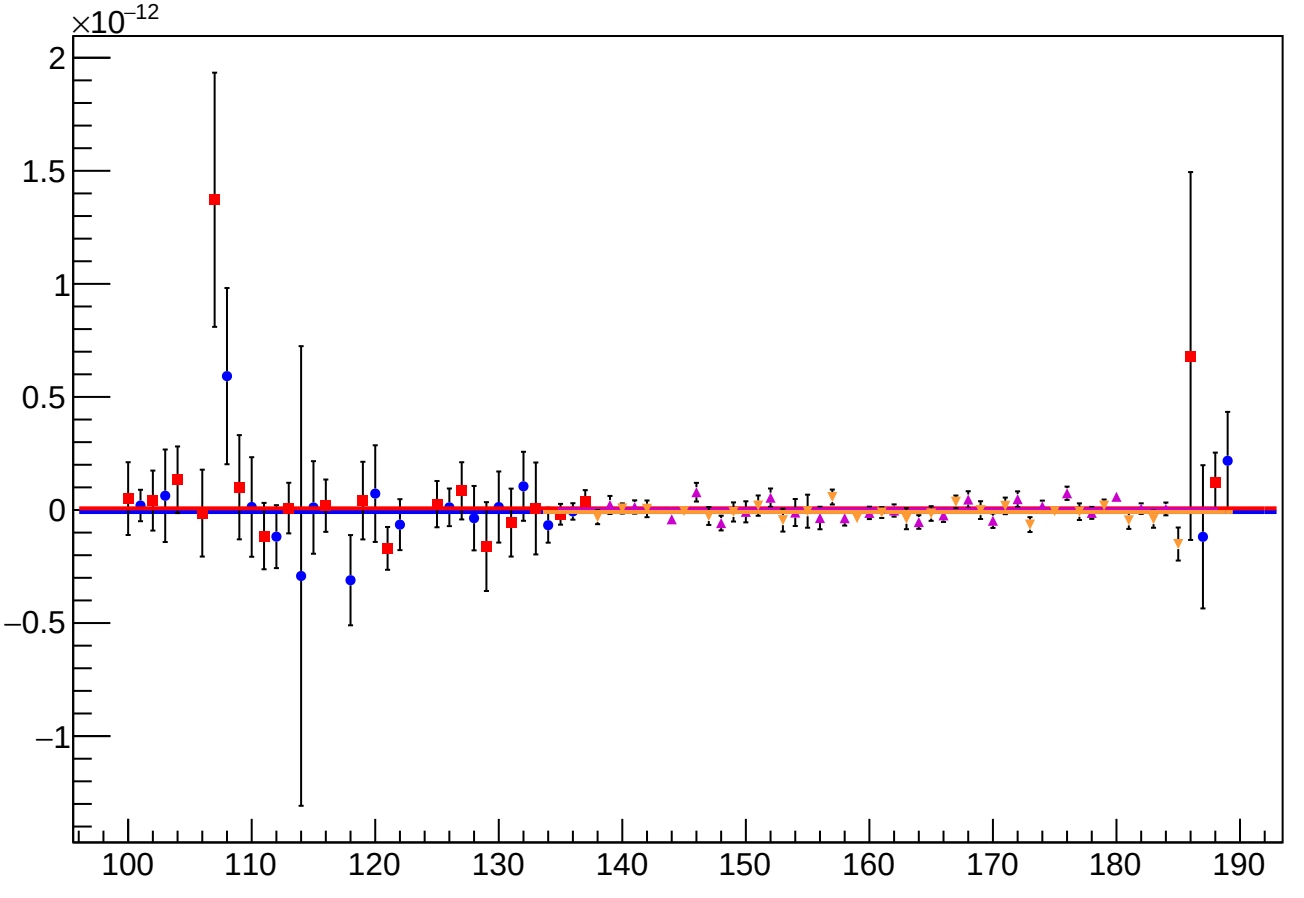
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2565.833+/-0.459 χ^2/NDF: 1844292.0/37

In: 2076.513+/-0.291 χ^2/NDF:1489491.3/40

Out: 2098.557+/-0.289 χ^2/NDF:1770596.6/43

All: 2087.581+/-0.205 χ^2/NDF: 3262977.7/84



Right In: -0.000+/-0.000 χ^2/NDF: 8.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

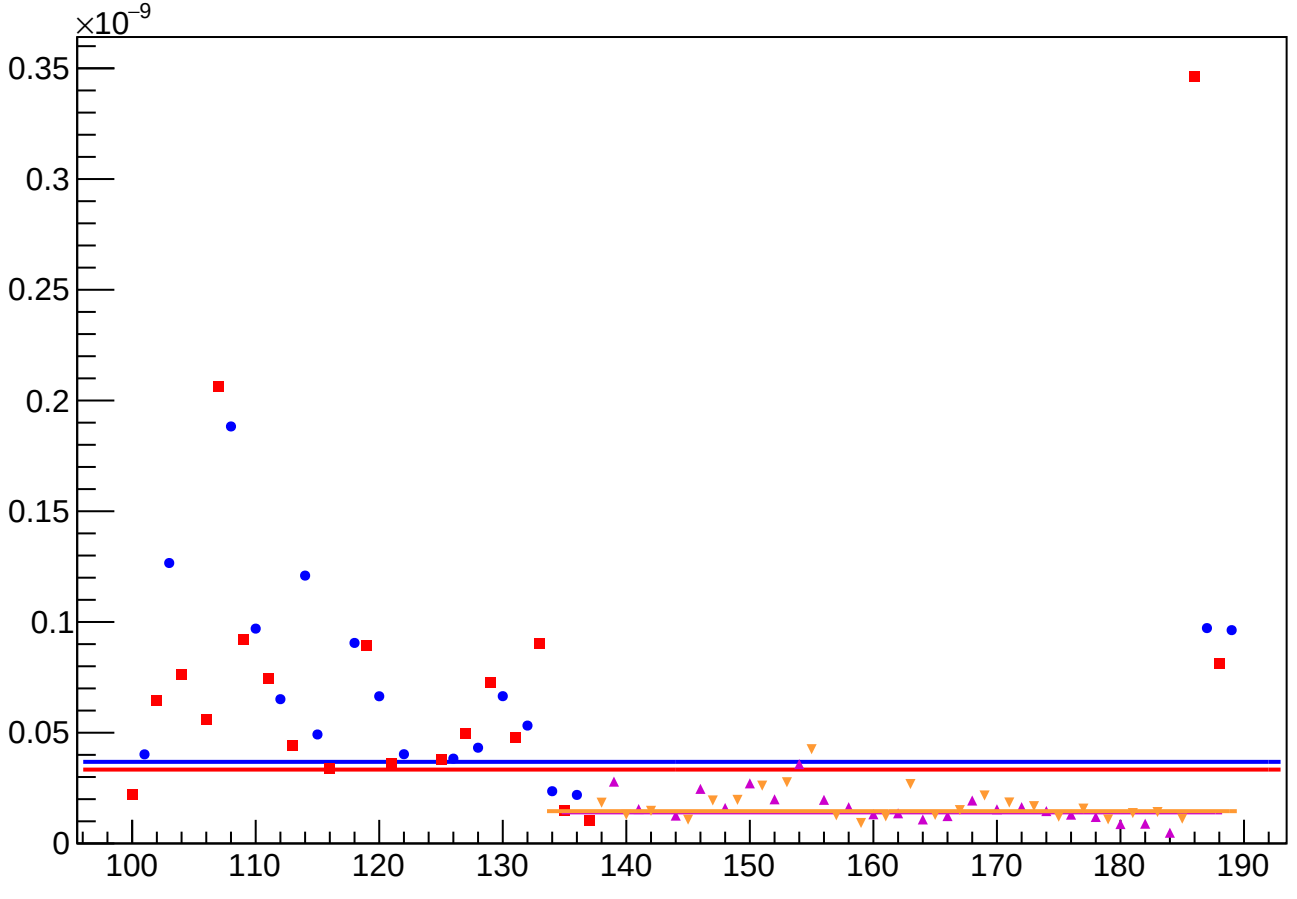
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 23.5/37

In: 0.000+/-0.000 χ^2/NDF:47.7/40

Out: -0.000+/-0.000 χ^2/NDF:35.9/43

All: -0.000+/-0.000 χ^2/NDF: 84.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 1848417.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2647881.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

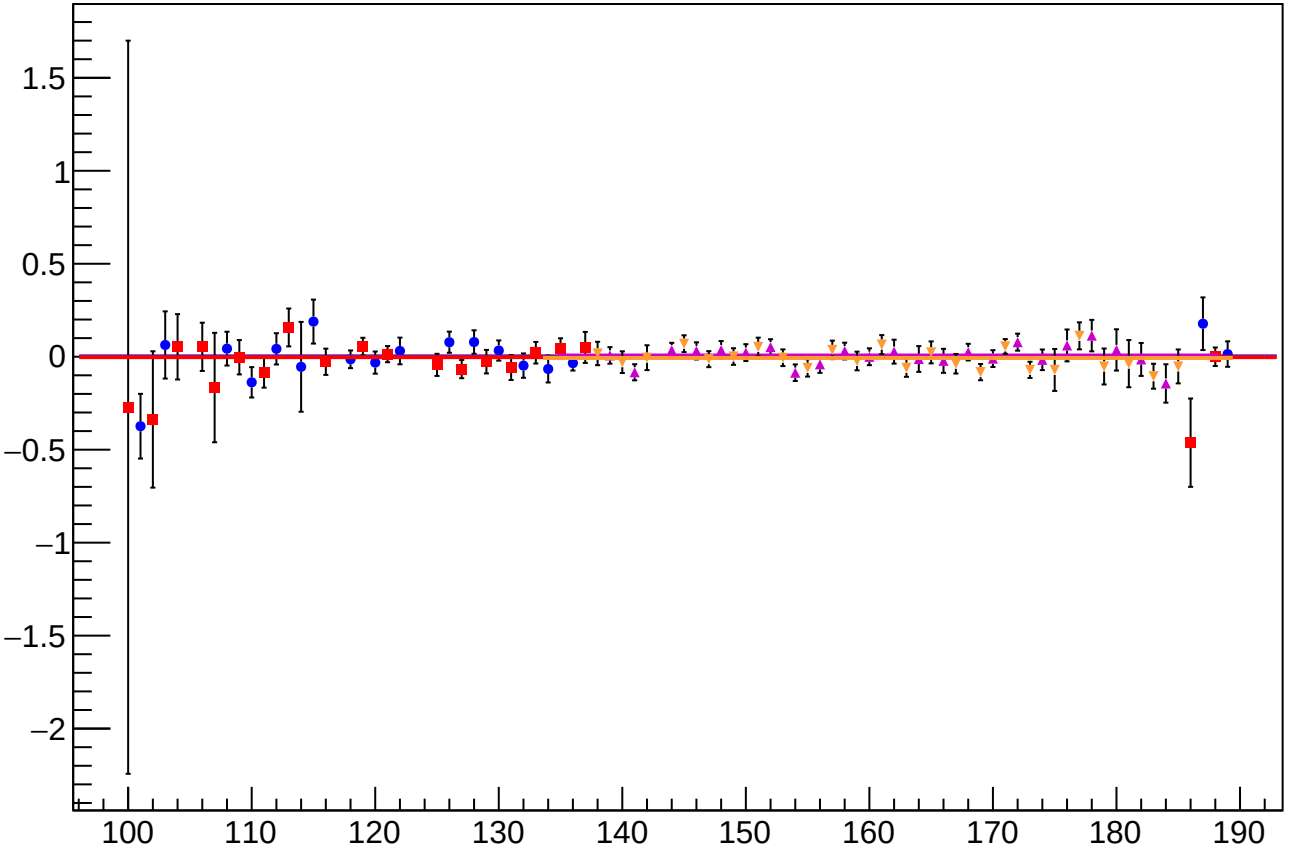
Right: 0.000+/-0.000 χ^2/NDF: 4517253.7/37

In: 0.000+/-0.000 χ^2/NDF:4929787.9/40

Out: 0.000+/-0.000 χ^2/NDF:4972284.0/43

All: 0.000+/-0.000 χ^2/NDF: 9905922.8/84

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

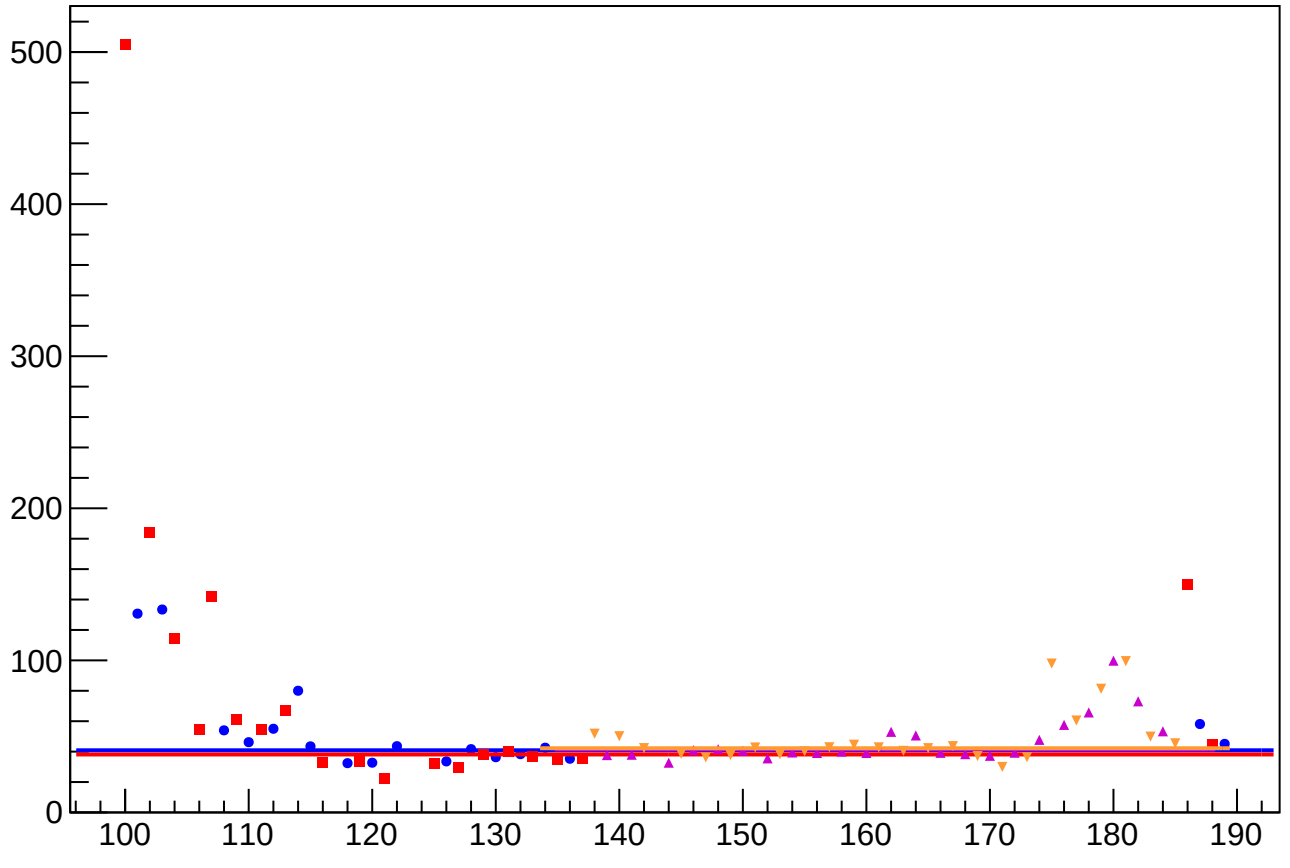
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.000+/-0.011 χ^2/NDF: 33.4/37

In: 0.005+/-0.009 χ^2/NDF:38.9/40

Out: -0.005+/-0.009 χ^2/NDF:38.7/43

All: -0.000+/-0.006 χ^2/NDF: 78.2/84



Right In: 40.866+/-0.012 χ^2/NDF: 1449342.6/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.127+/-0.011 χ^2/NDF: 2329962.4/19

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

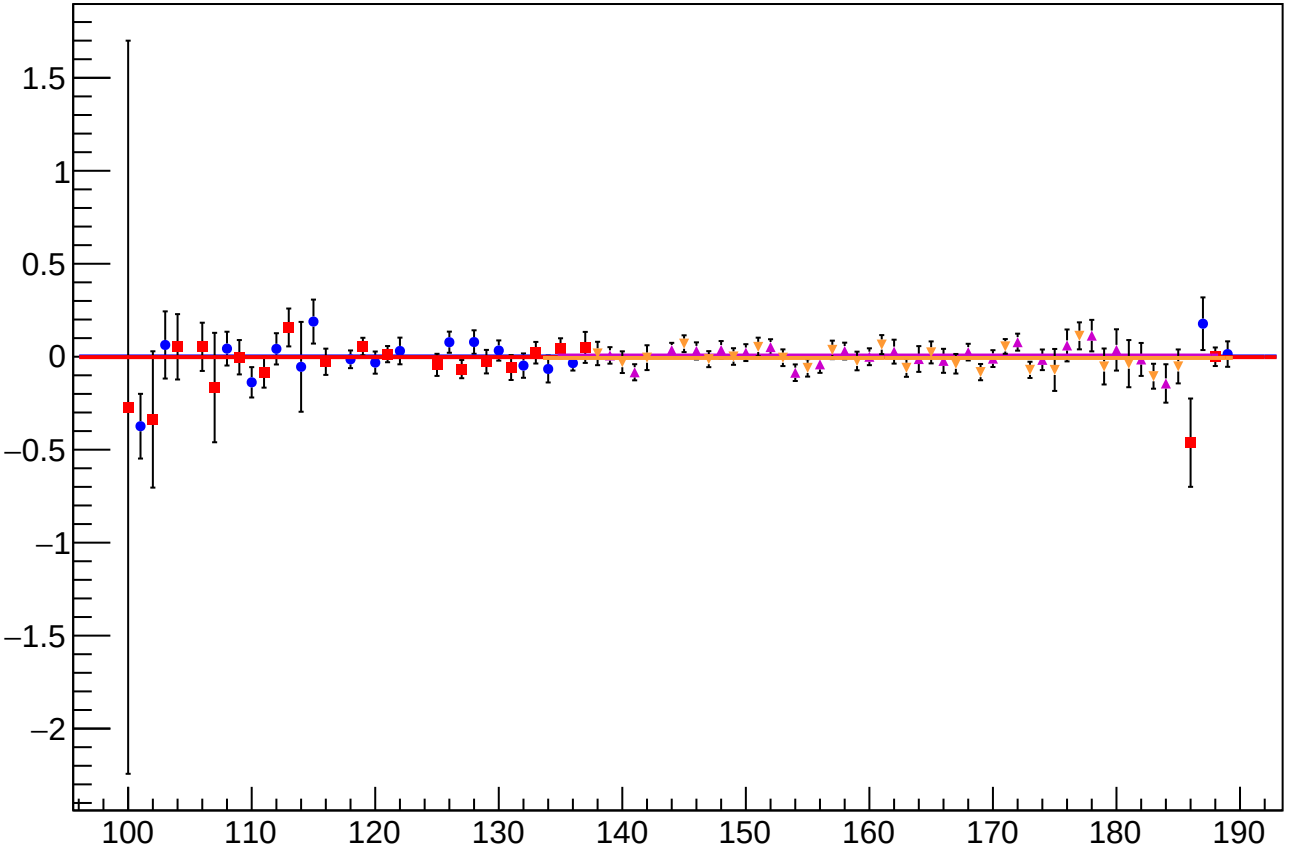
Right: 39.438+/-0.008 χ^2/NDF: 3808171.3/37

In: 41.255+/-0.006 χ^2/NDF:2863114.1/40

Out: 40.886+/-0.006 χ^2/NDF:4239840.6/43

All: 41.070+/-0.004 χ^2/NDF: 7104643.9/84

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

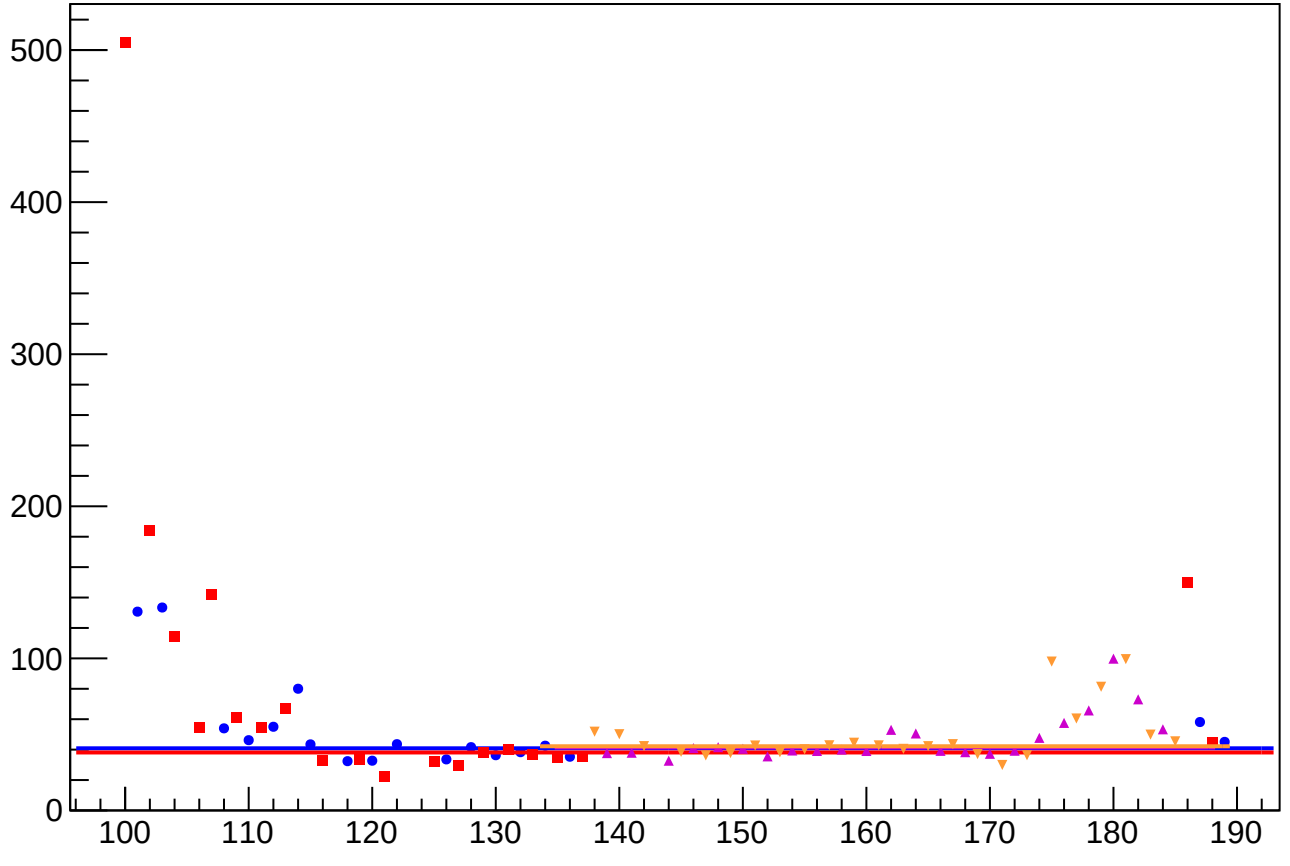
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.000+/-0.011 χ^2/NDF: 33.4/37

In: 0.005+/-0.009 χ^2/NDF:38.9/40

Out: -0.005+/-0.009 χ^2/NDF:38.7/43

All: -0.000+/-0.006 χ^2/NDF: 78.2/84



Right In: 40.866+/-0.012 χ^2/NDF: 1449342.6/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.127+/-0.011 χ^2/NDF: 2329962.4/19

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

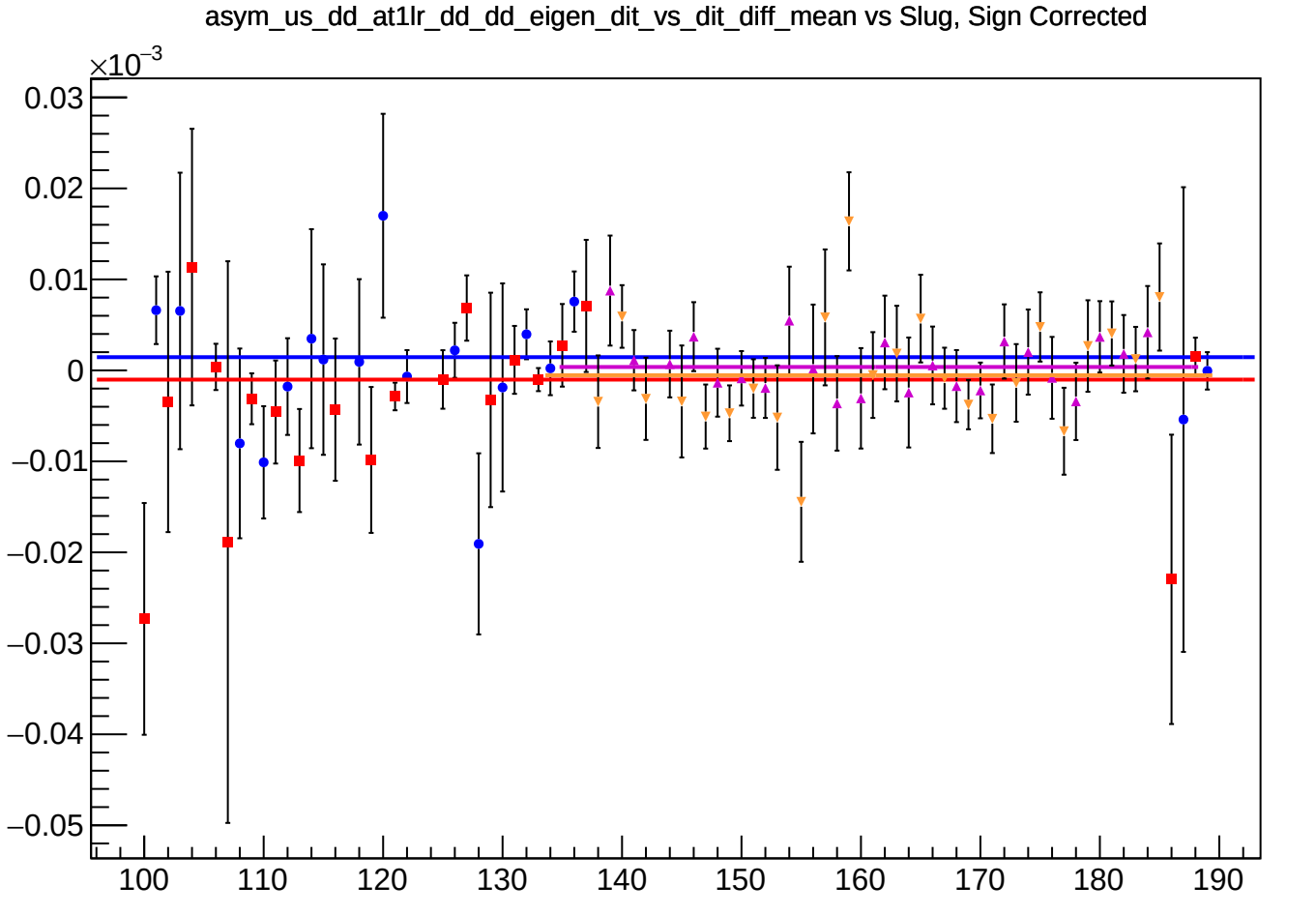
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 39.438+/-0.008 χ^2/NDF: 3808171.3/37

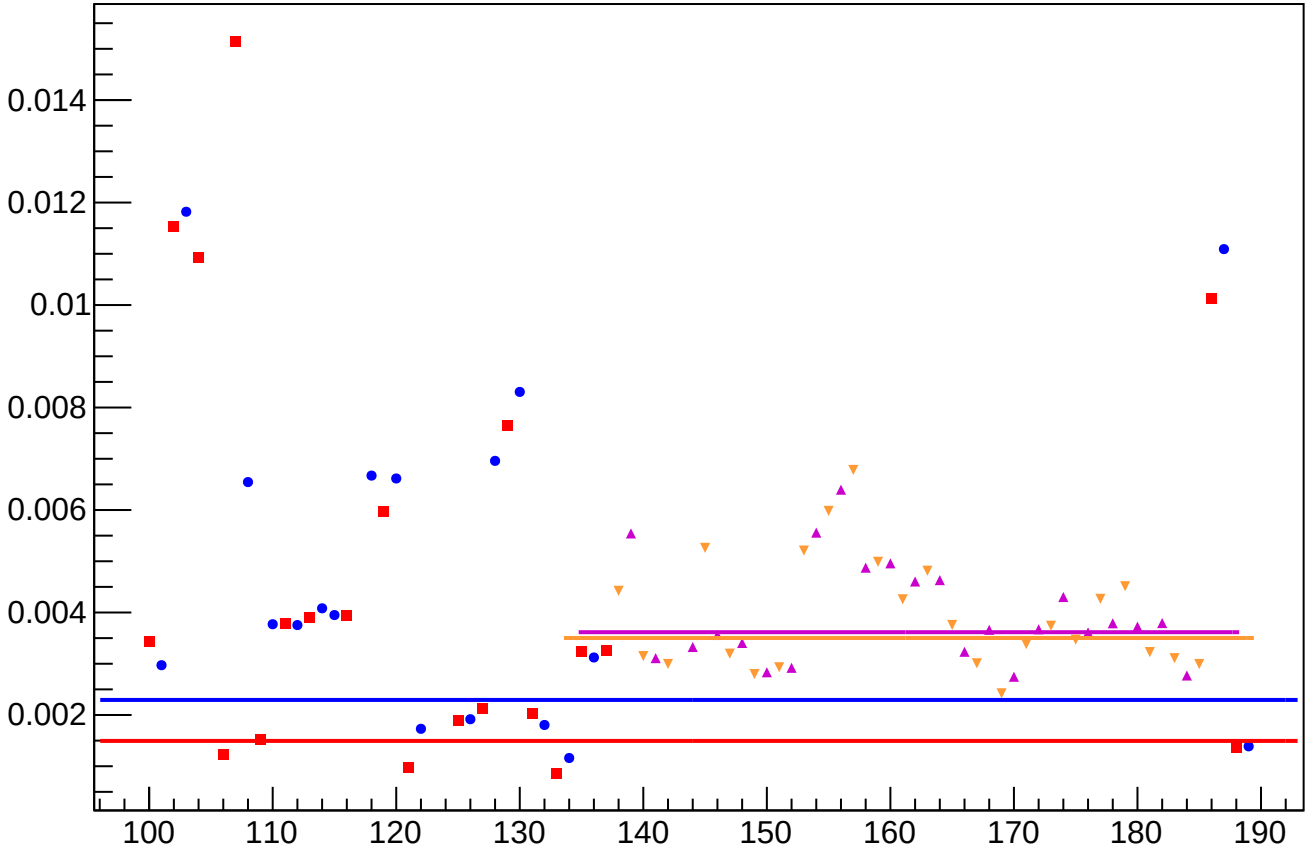
In: 41.255+/-0.006 χ^2/NDF:2863114.1/40

Out: 40.886+/-0.006 χ^2/NDF:4239840.6/43

All: 41.070+/-0.004 χ^2/NDF: 7104643.9/84


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.6/17
Left Out: -0.000+/-0.000 χ²/NDF:36.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.4/19
Left In: 0.000+/-0.000 χ²/NDF:9.7/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/46
Right: -0.000+/-0.000 χ²/NDF: 45.1/37
In: 0.000+/-0.000 χ²/NDF:29.0/40
Out: -0.000+/-0.000 χ²/NDF:59.4/43
All: -0.000+/-0.000 χ²/NDF: 92.2/84

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4512894.3/17

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6160986.5/19

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

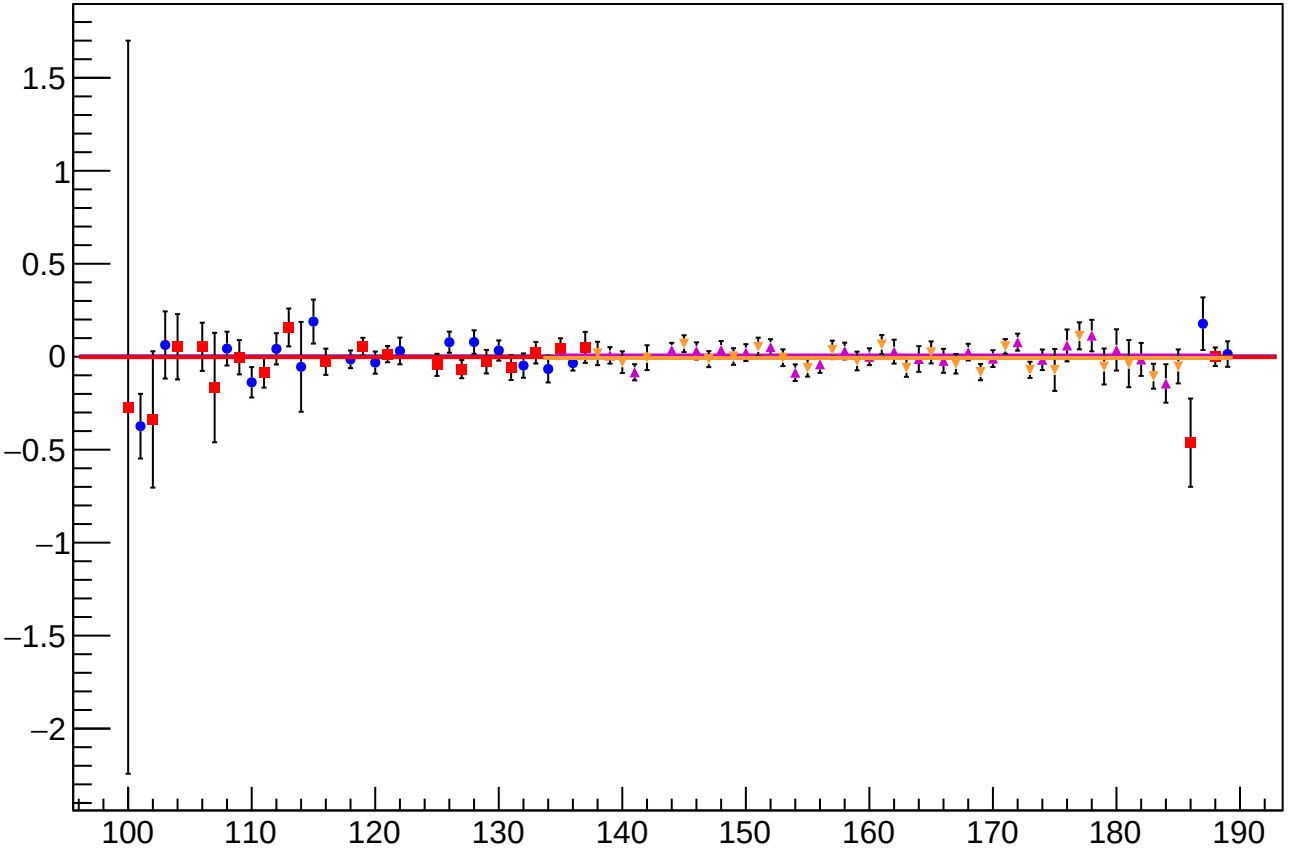
Right: 0.002+/-0.000 χ^2/NDF: 11529641.7/37

In: 0.003+/-0.000 χ^2/NDF:8173160.0/40

Out: 0.002+/-0.000 χ^2/NDF:15011780.6/43

All: 0.003+/-0.000 χ^2/NDF: 24617726.2/84

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

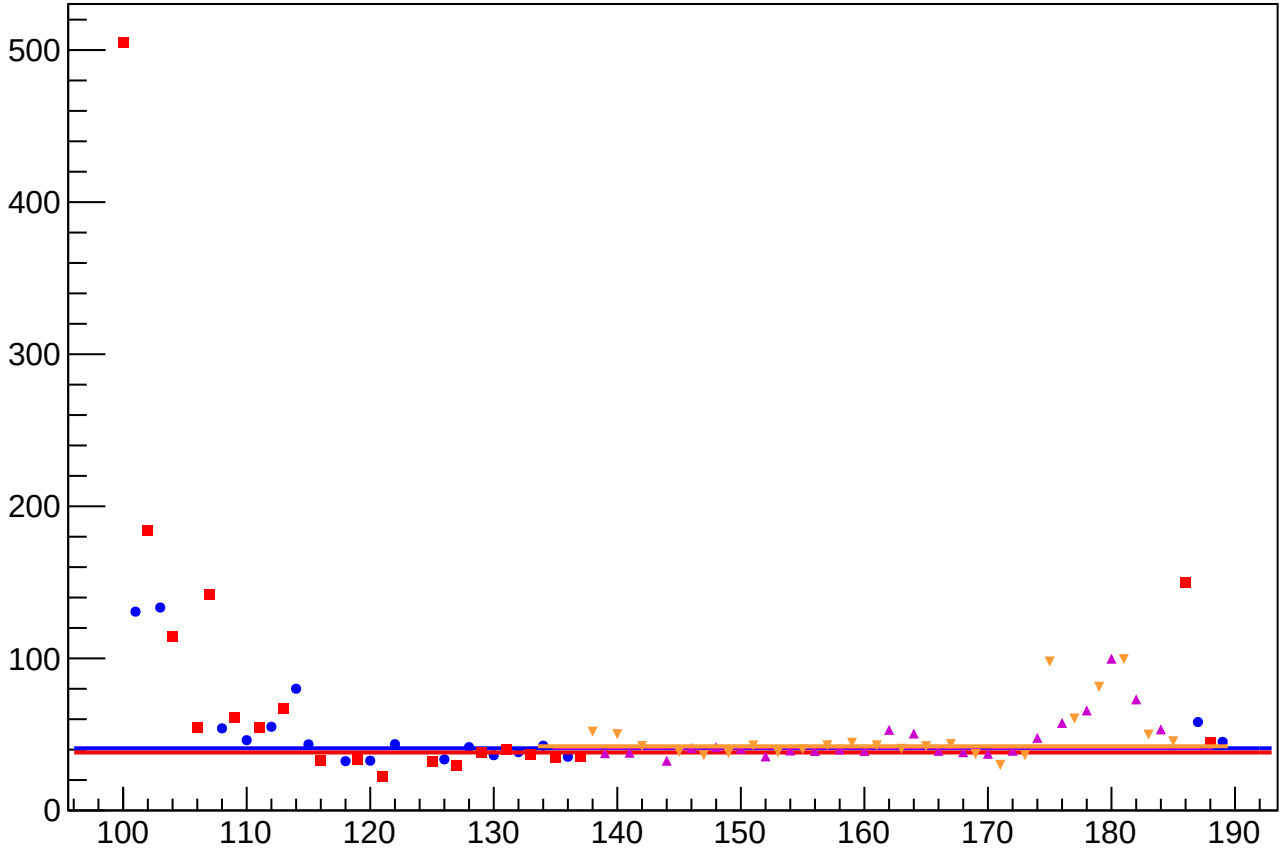
Right: -0.000+/-0.011 χ^2/NDF: 33.4/37

In: 0.005+/-0.009 χ^2/NDF:38.9/40

Out: -0.005+/-0.009 χ^2/NDF:38.7/43

All: -0.000+/-0.006 χ^2/NDF: 78.2/84

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.866+/-0.012 χ^2/NDF: 1449217.9/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.126+/-0.011 χ^2/NDF: 2329959.0/19

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

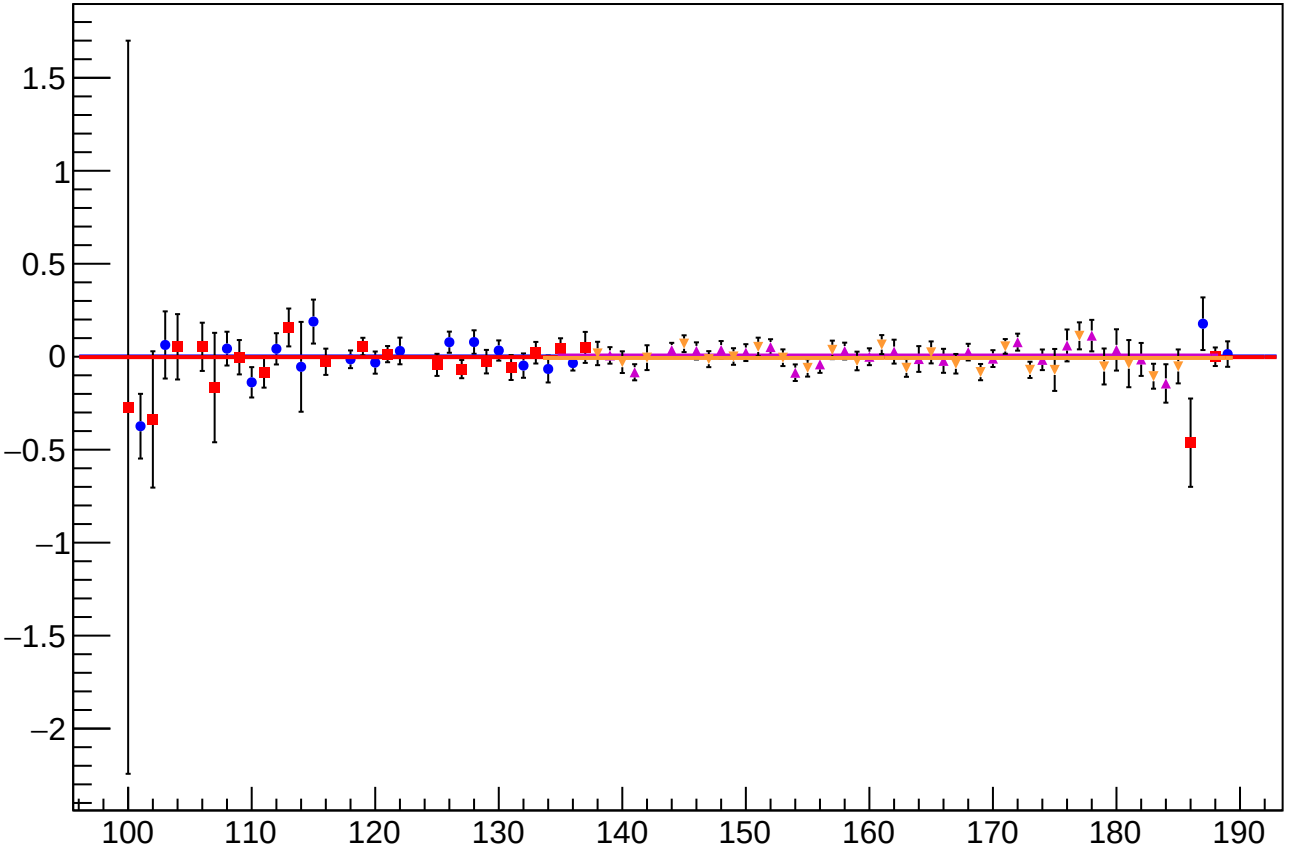
Right: 39.438+/-0.008 χ^2/NDF: 3808073.8/37

In: 41.255+/-0.006 χ^2/NDF:2862919.9/40

Out: 40.885+/-0.006 χ^2/NDF:4239876.8/43

All: 41.070+/-0.004 χ^2/NDF: 7104491.4/84

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.016 χ^2/NDF: 18.7/17

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

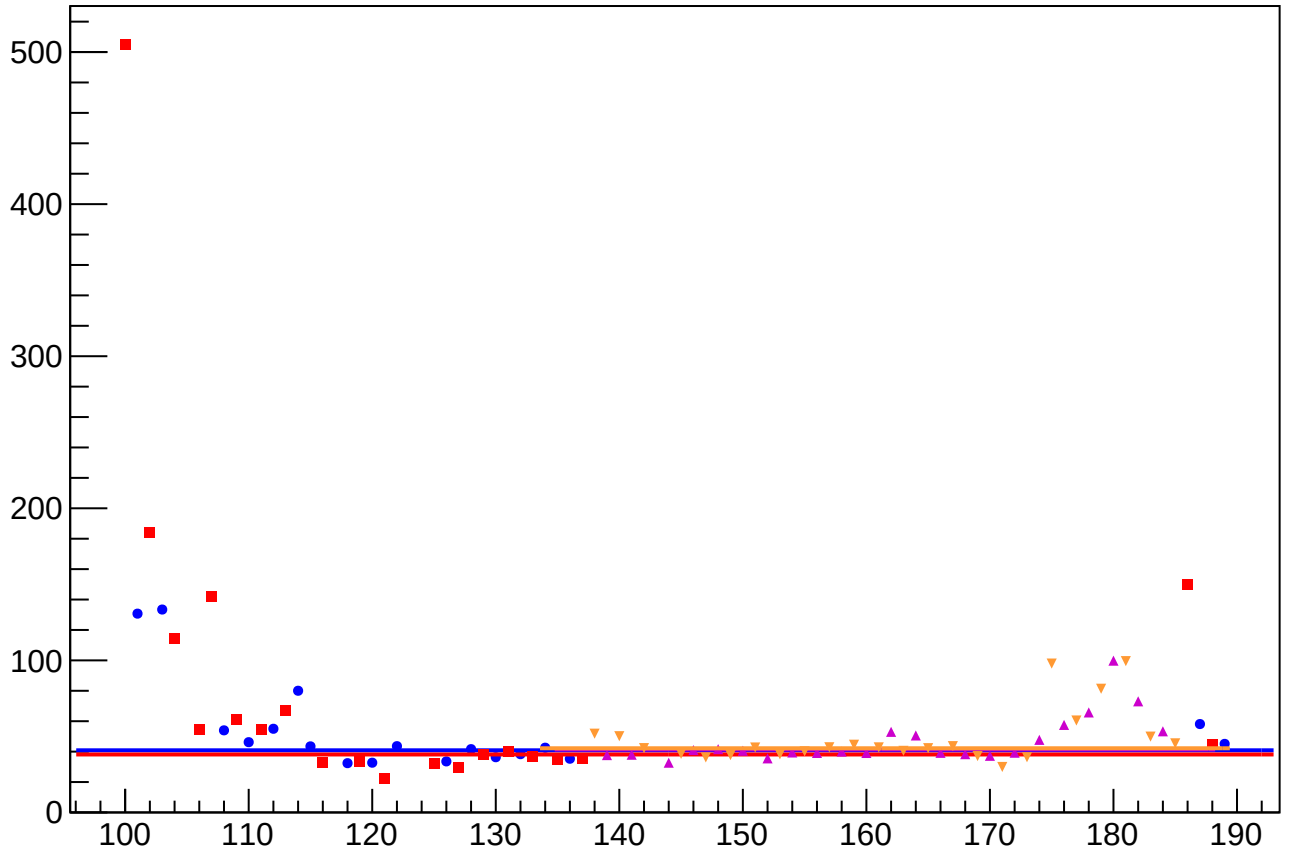
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.000+/-0.011 χ^2/NDF: 33.4/37

In: 0.005+/-0.009 χ^2/NDF:38.9/40

Out: -0.005+/-0.009 χ^2/NDF:38.7/43

All: -0.000+/-0.006 χ^2/NDF: 78.2/84



Right In: 40.866+/-0.012 χ^2/NDF: 1449217.9/17

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.126+/-0.011 χ^2/NDF: 2329959.0/19

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

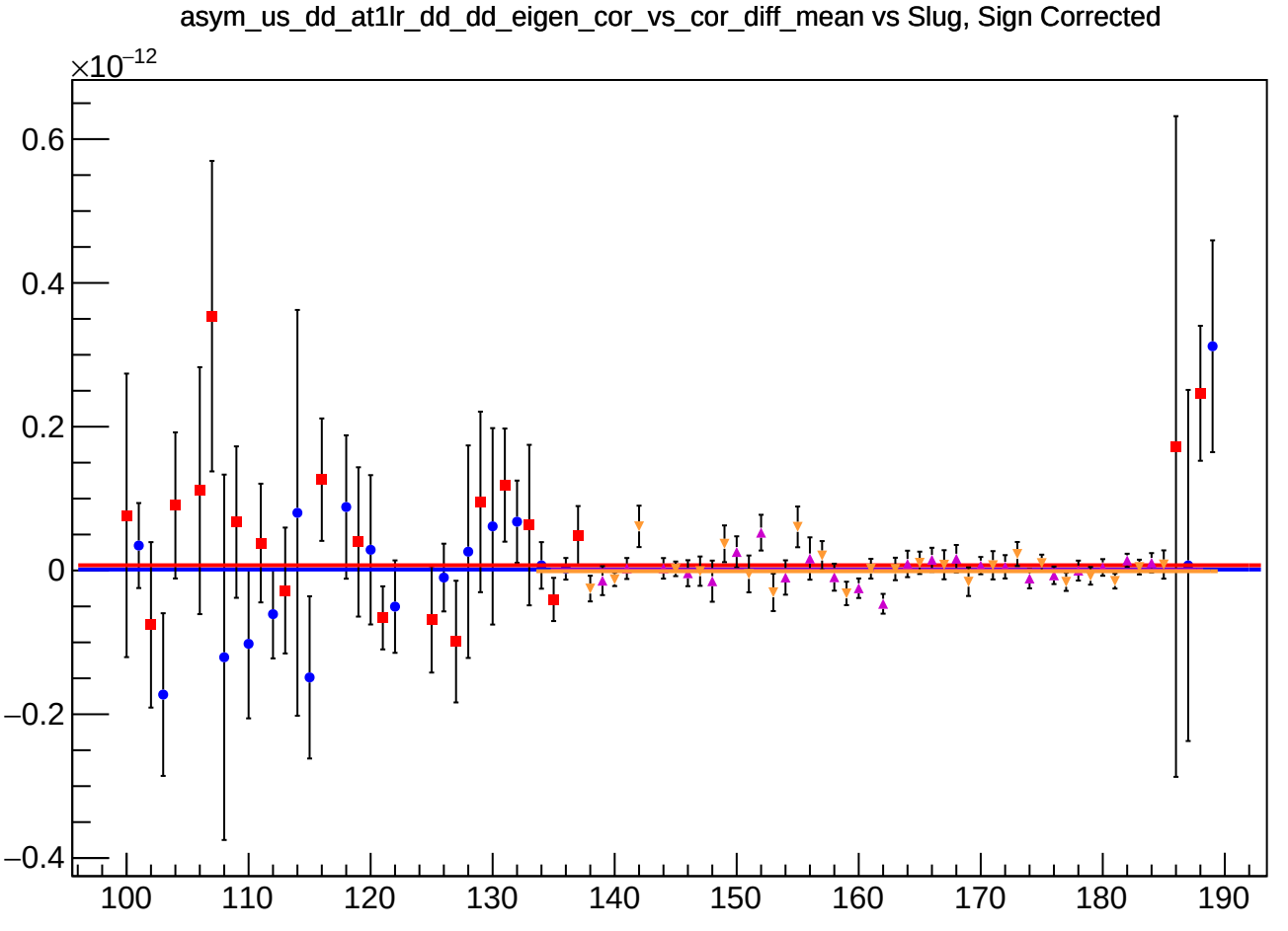
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

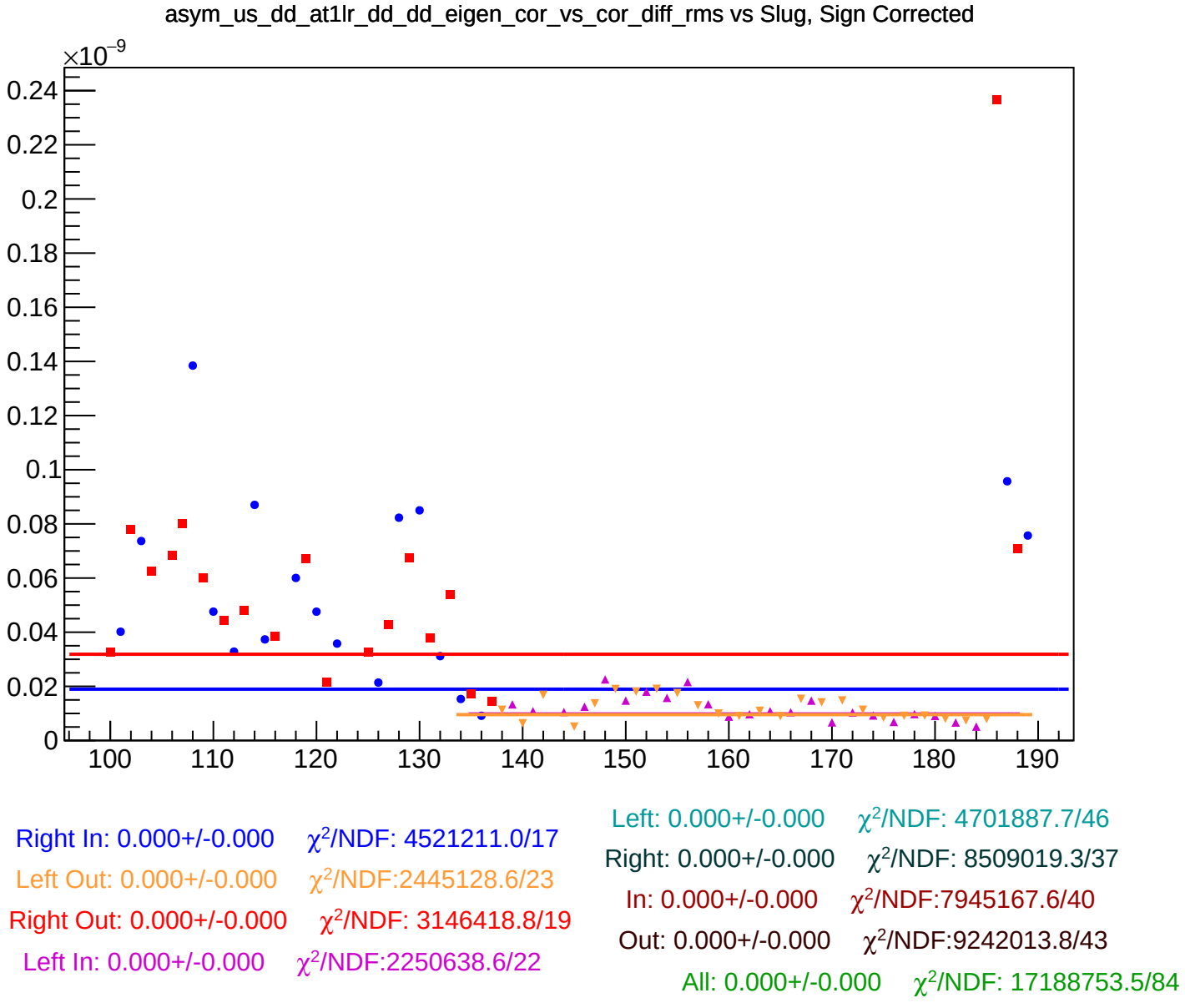
Right: 39.438+/-0.008 χ^2/NDF: 3808073.8/37

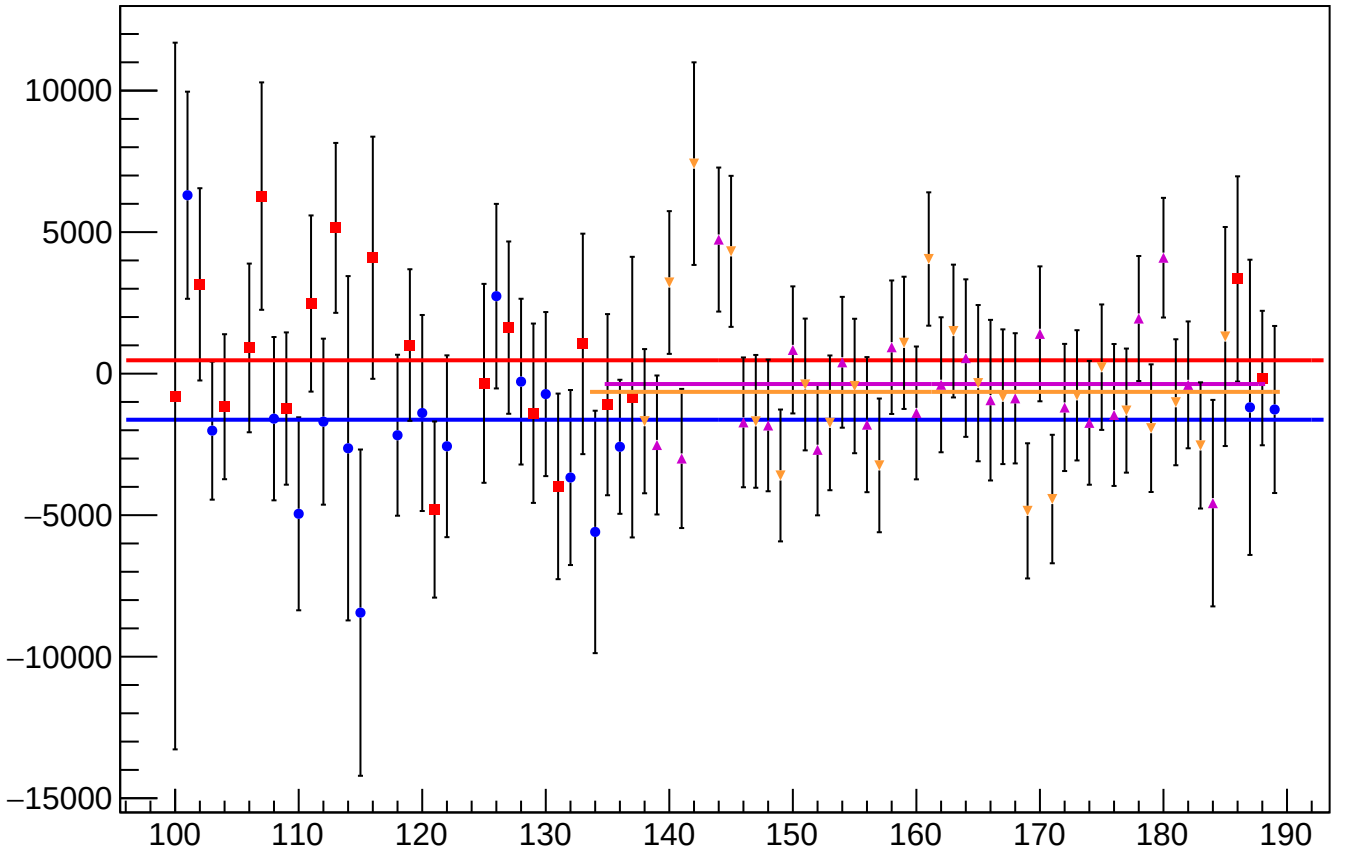
In: 41.255+/-0.006 χ^2/NDF:2862919.9/40

Out: 40.885+/-0.006 χ^2/NDF:4239876.8/43

All: 41.070+/-0.004 χ^2/NDF: 7104491.4/84


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.4/17
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.2/19
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: 0.000+/-0.000 χ²/NDF: 39.6/37
In: 0.000+/-0.000 χ²/NDF:42.7/40
Out: -0.000+/-0.000 χ²/NDF:54.9/43
All: -0.000+/-0.000 χ²/NDF: 97.7/84


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 4521211.0/17
Left Out: 0.000+/-0.000 χ²/NDF:2445128.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 3146418.8/19
Left In: 0.000+/-0.000 χ²/NDF:2250638.6/22
Left: 0.000+/-0.000 χ²/NDF: 4701887.7/46
Right: 0.000+/-0.000 χ²/NDF: 8509019.3/37
In: 0.000+/-0.000 χ²/NDF:7945167.6/40
Out: 0.000+/-0.000 χ²/NDF:9242013.8/43
All: 0.000+/-0.000 χ²/NDF: 17188753.5/84



Right In: -1628.130+/-756.980 χ^2/NDF: 10.8/17

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 471.778+/-723.755 χ^2/NDF: 13.4/19

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

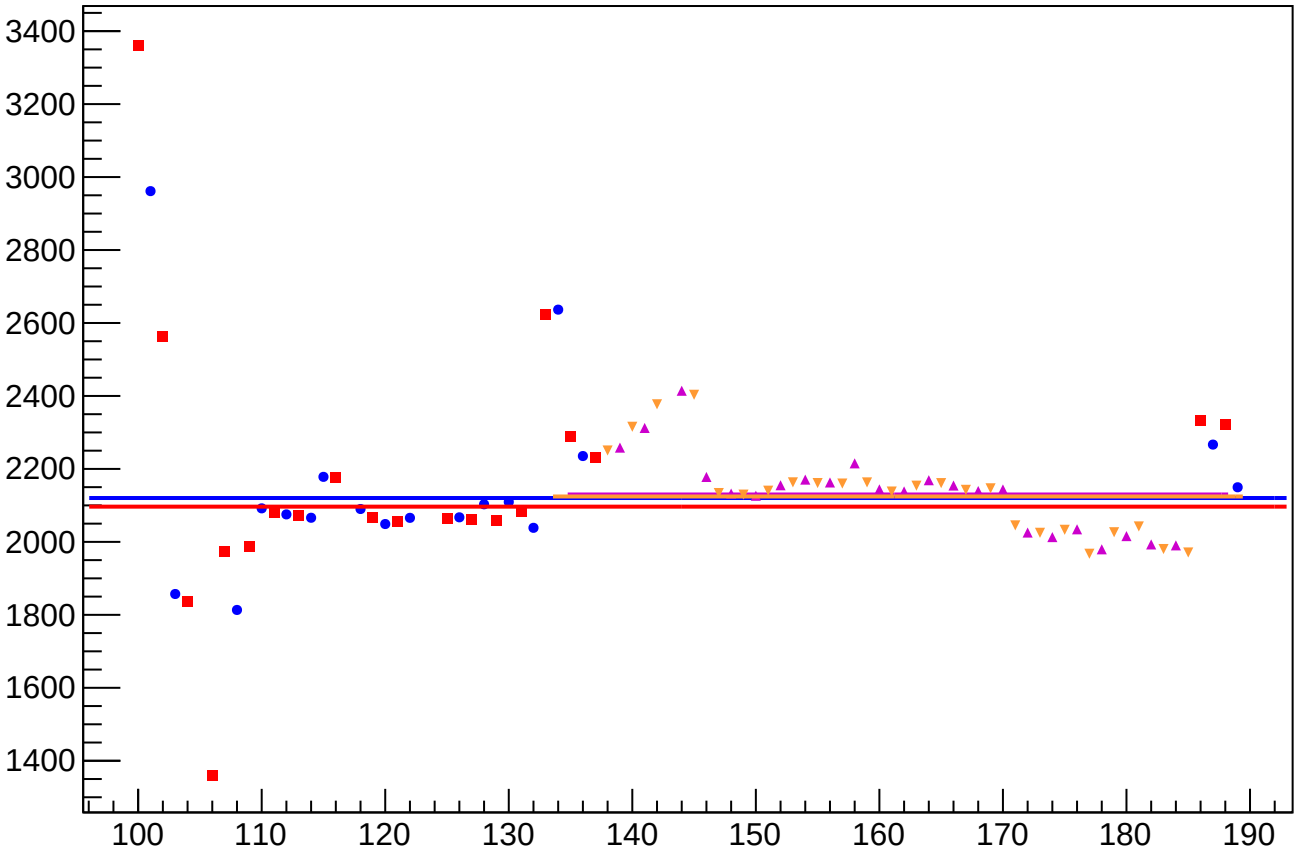
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -531.081+/-523.124 χ^2/NDF: 28.3/37

In: -747.666+/-415.981 χ^2/NDF:30.0/40

Out: -289.573+/-407.837 χ^2/NDF:42.2/43

All: -514.092+/-291.221 χ^2/NDF: 72.9/84



Right In: 2120.255+/-0.535 χ^2/NDF: 191792.9/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2096.586+/-0.512 χ^2/NDF: 279809.3/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

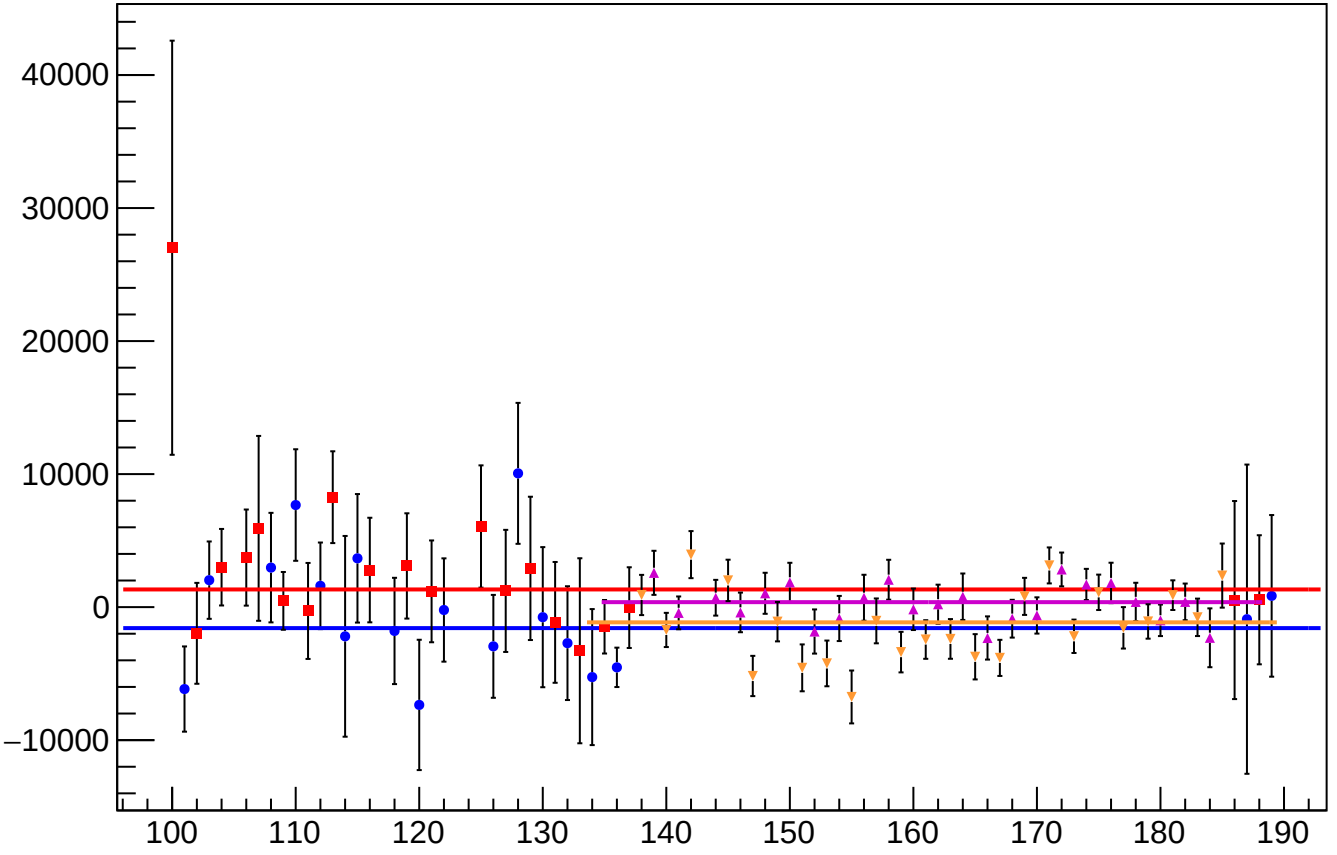
Right: 2107.890+/-0.370 χ^2/NDF: 472623.8/37

In: 2126.985+/-0.294 χ^2/NDF:277373.8/40

Out: 2115.593+/-0.288 χ^2/NDF:371014.5/43

All: 2121.177+/-0.206 χ^2/NDF: 649153.2/84

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1577.938+/-851.563 χ^2/NDF: 23.0/17

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1328.383+/-823.011 χ^2/NDF: 13.5/19

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

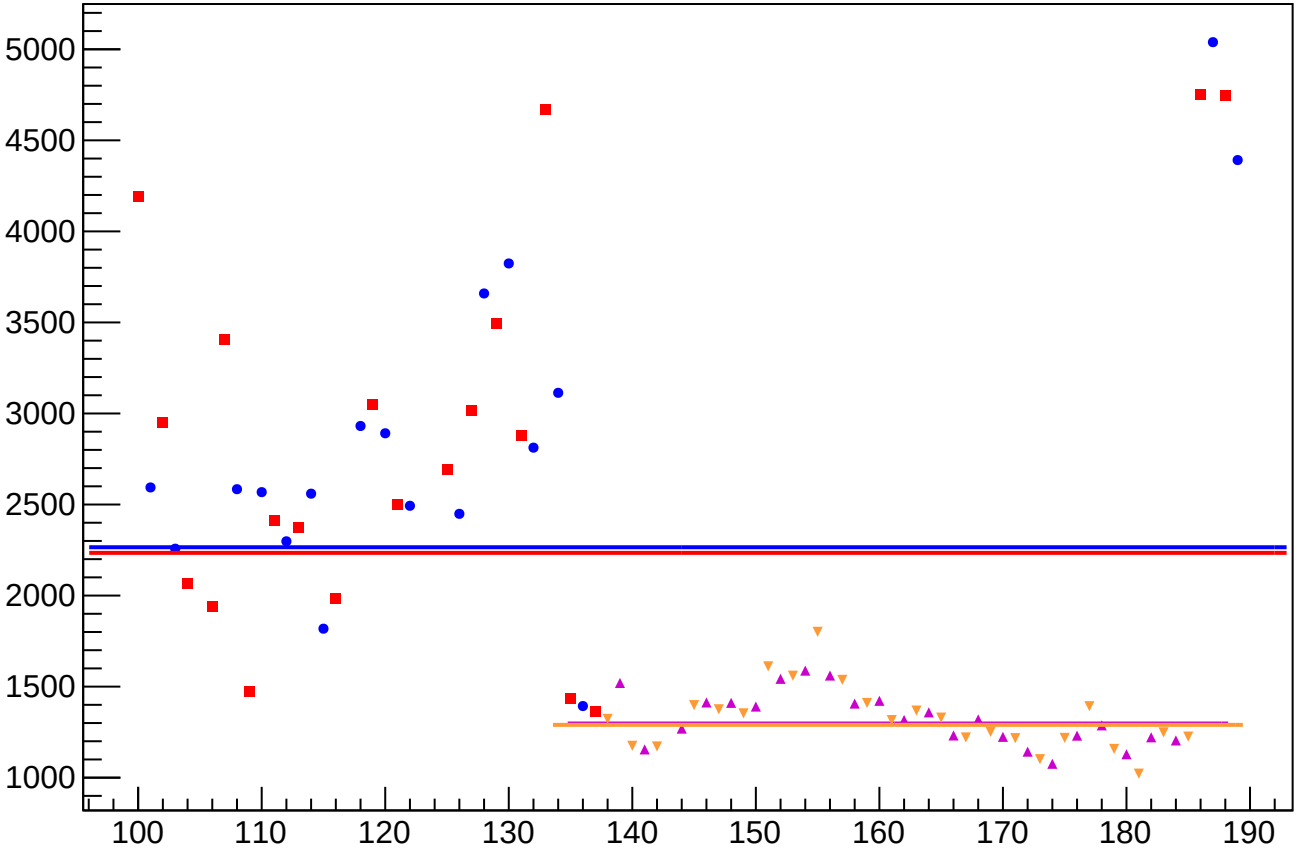
Right: -75.239+/-591.793 χ^2/NDF: 42.5/37

In: 150.965+/-287.453 χ^2/NDF:48.0/40

Out: -850.486+/-283.919 χ^2/NDF:89.0/43

All: -355.955+/-201.999 χ^2/NDF: 143.1/84

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2265.365+/-0.602 χ^2/NDF: 1617191.3/17

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2234.619+/-0.582 χ^2/NDF: 2254757.4/19

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

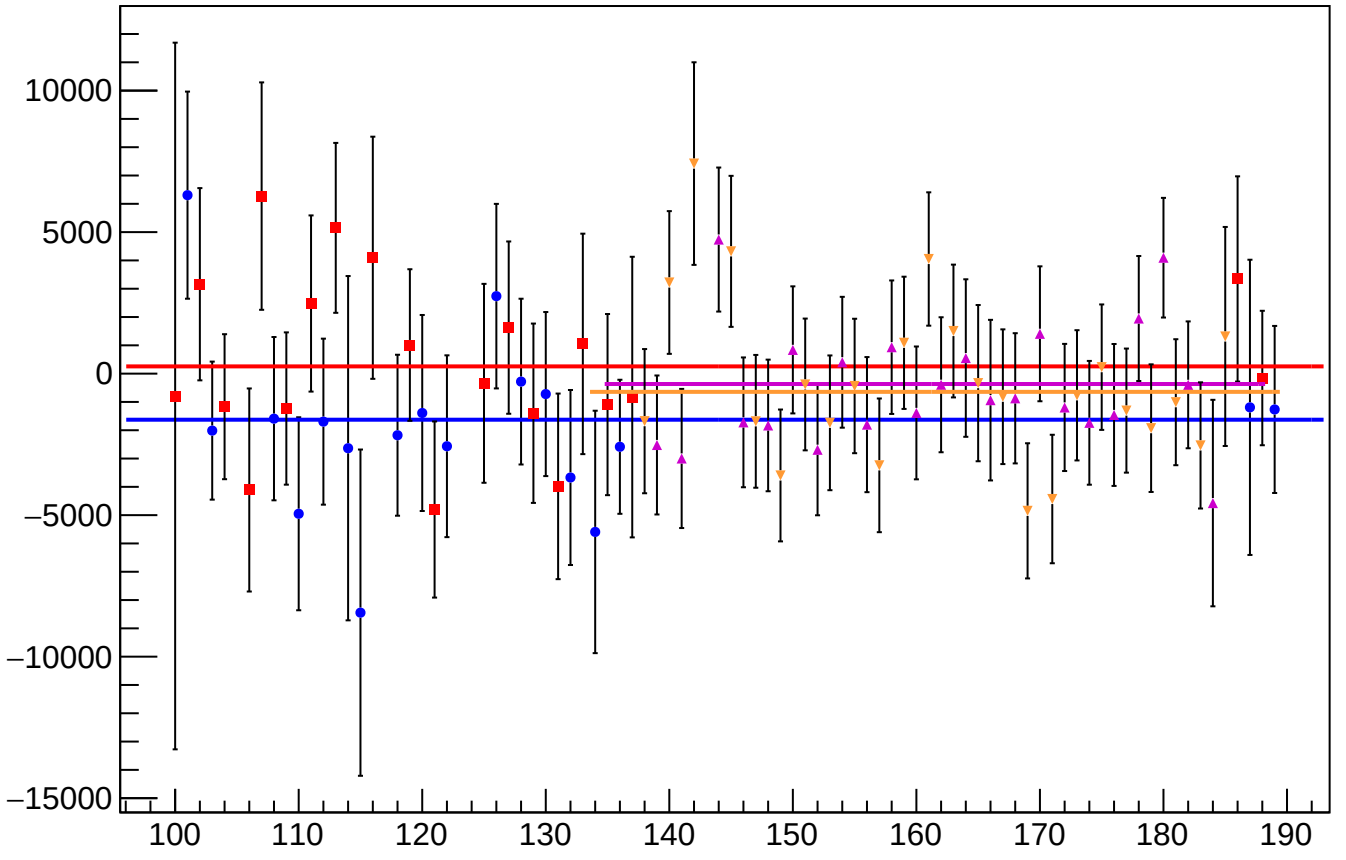
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2249.468+/-0.418 χ^2/NDF: 3873296.7/37

In: 1407.744+/-0.203 χ^2/NDF:4340609.7/40

Out: 1402.443+/-0.201 χ^2/NDF:5143715.8/43

All: 1405.061+/-0.143 χ^2/NDF: 9484669.9/84



Right In: -1628.040+/-756.981 χ^2/NDF: 10.8/17

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 255.898+/-730.463 χ^2/NDF: 15.0/19

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

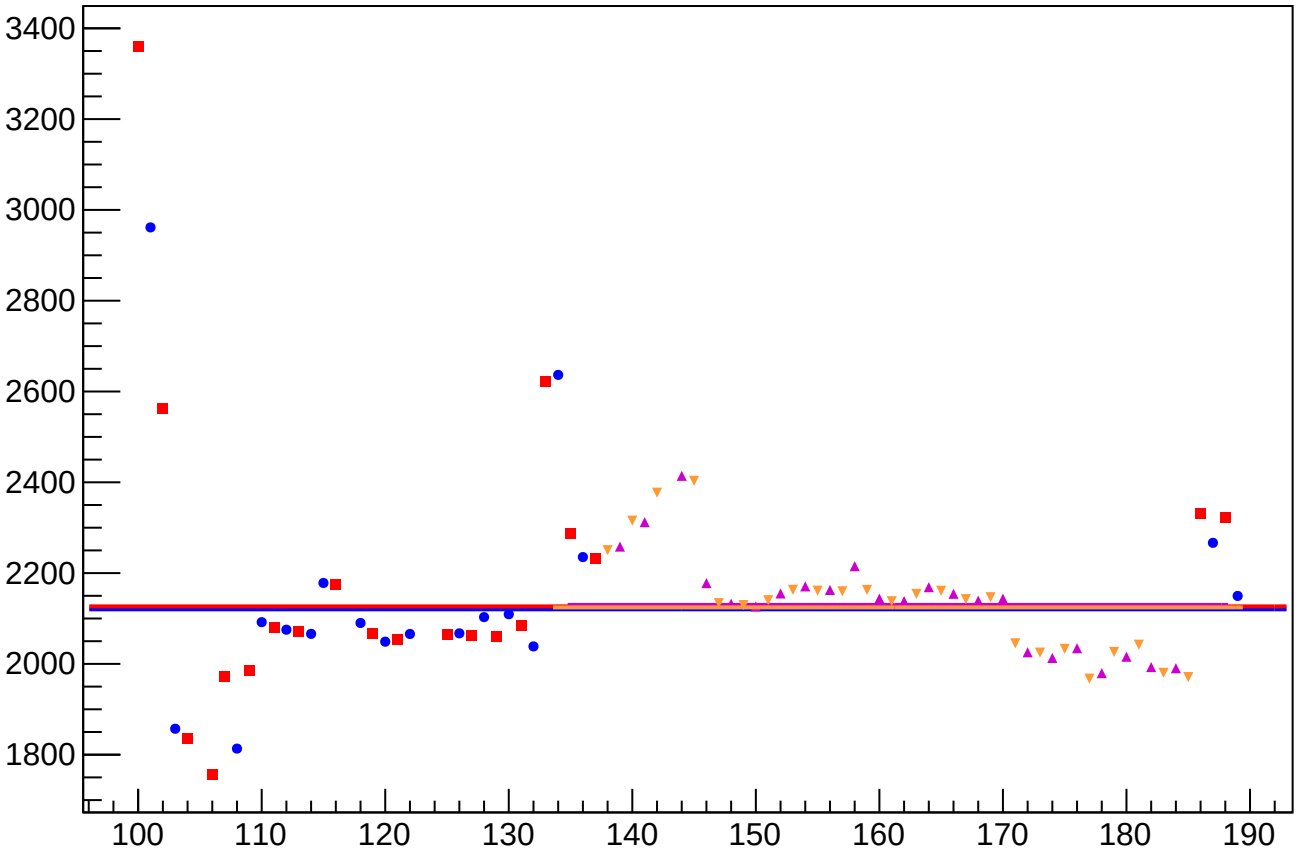
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -652.496+/-525.640 χ^2/NDF: 29.0/37

In: -747.563+/-415.981 χ^2/NDF:30.1/40

Out: -361.613+/-409.026 χ^2/NDF:43.1/43

All: -551.335+/-291.653 χ^2/NDF: 73.6/84



Right In: 2120.255+/-0.535 χ^2/NDF: 191793.2/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2126.674+/-0.517 χ^2/NDF: 172530.5/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

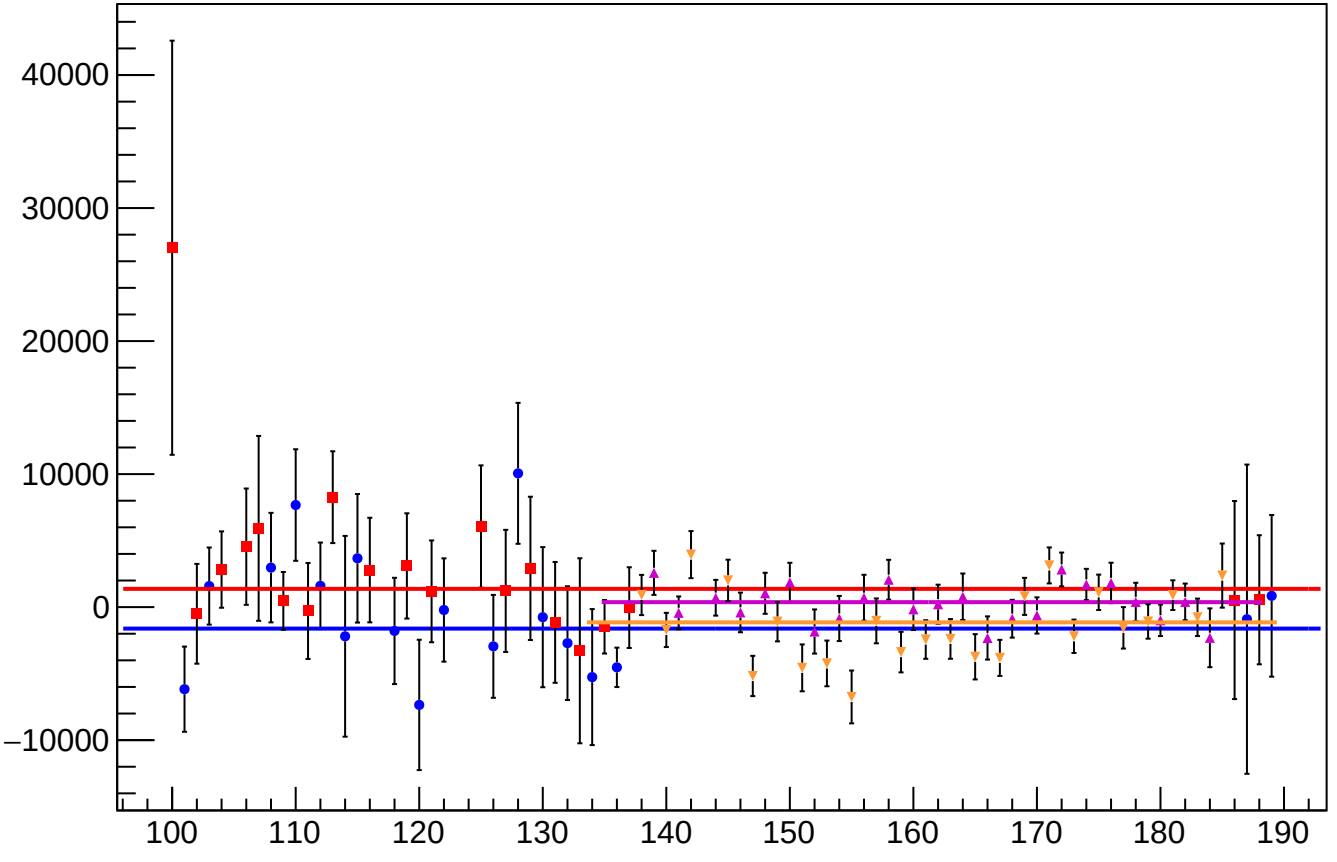
Right: 2123.579+/-0.372 χ^2/NDF: 364398.1/37

In: 2126.985+/-0.294 χ^2/NDF:277374.1/40

Out: 2125.138+/-0.289 χ^2/NDF:261727.3/43

All: 2126.046+/-0.206 χ^2/NDF: 539121.5/84

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1615.017+/-851.283 χ^2/NDF: 22.7/17

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1372.103+/-829.255 χ^2/NDF: 13.0/19

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

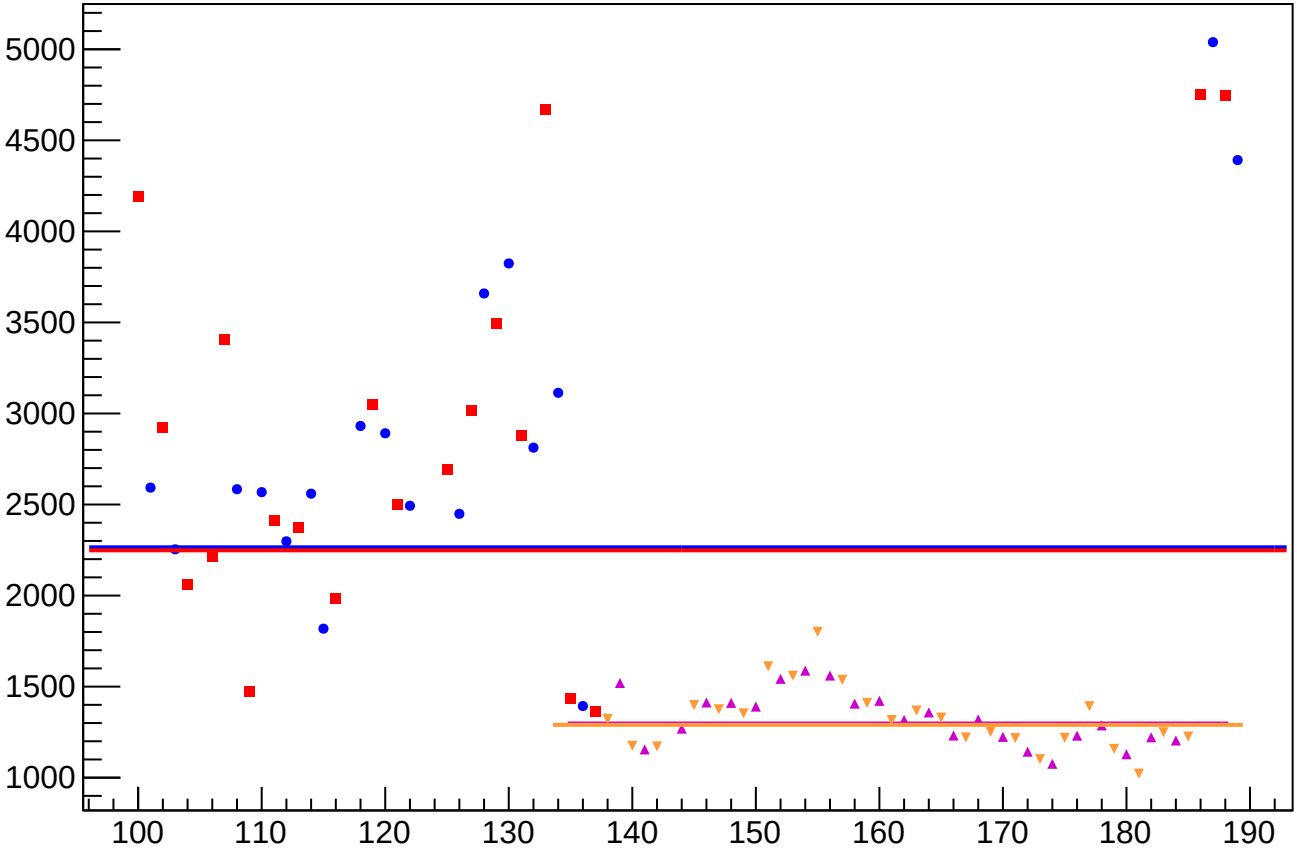
Right: -82.309+/-594.007 χ^2/NDF: 42.0/37

In: 146.504+/-287.443 χ^2/NDF:47.8/40

Out: -849.212+/-284.174 χ^2/NDF:88.7/43

All: -357.048+/-202.087 χ^2/NDF: 142.5/84

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2264.999+/-0.602 χ^2/NDF: 1617060.5/17

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2248.556+/-0.586 χ^2/NDF: 2236778.6/19

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

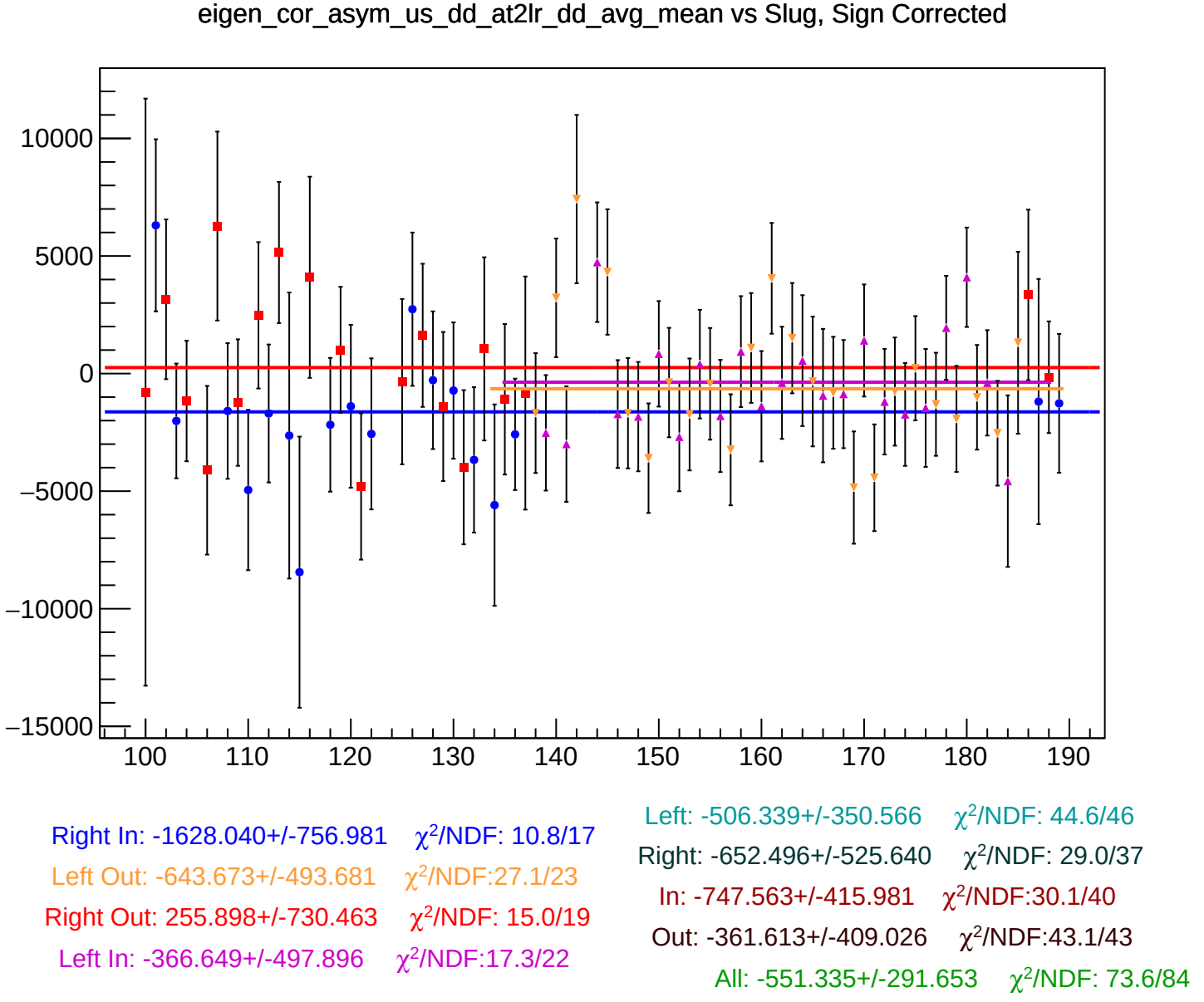
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

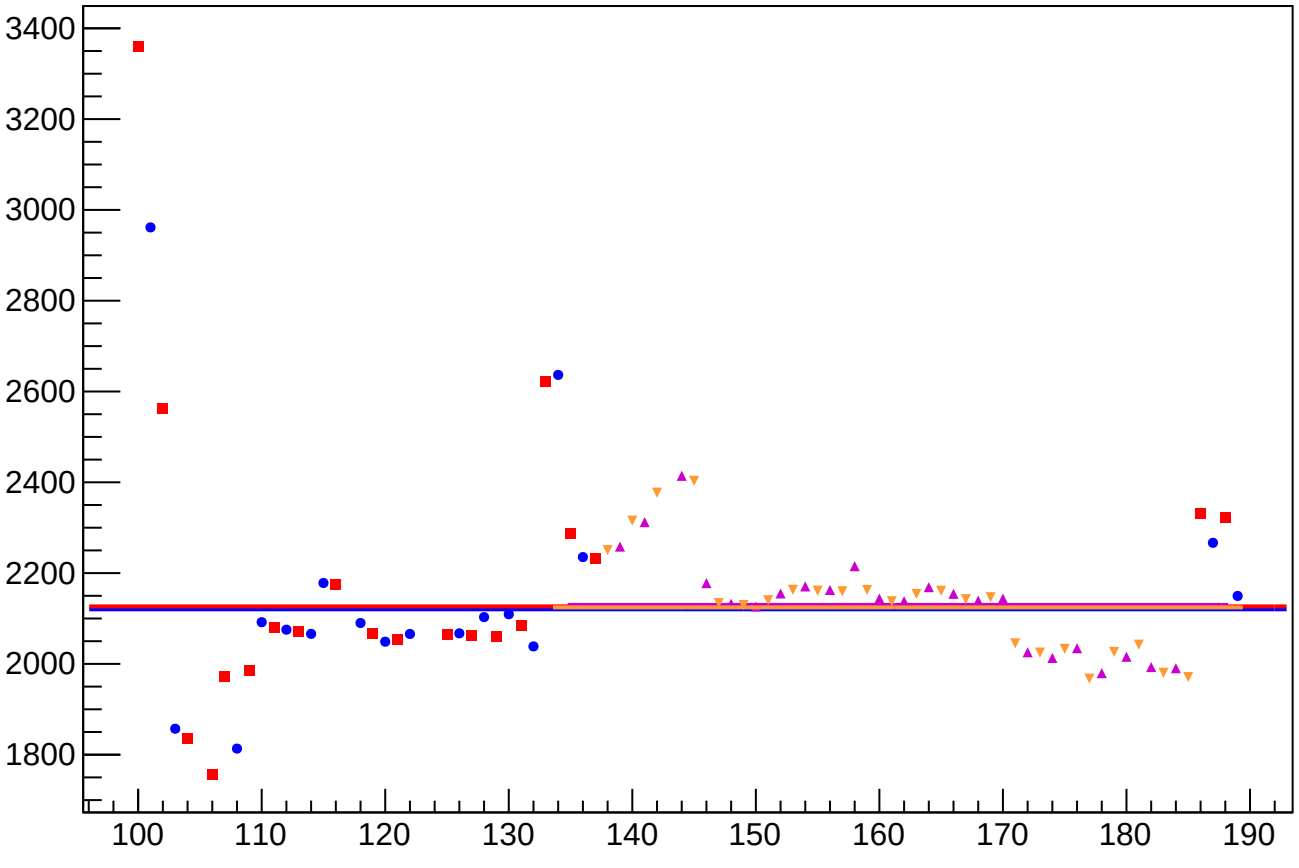
Right: 2256.562+/-0.420 χ^2/NDF: 3854222.0/37

In: 1407.770+/-0.203 χ^2/NDF:4340077.8/40

Out: 1402.603+/-0.201 χ^2/NDF:5162965.0/43

All: 1405.157+/-0.143 χ^2/NDF: 9503369.7/84


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -1628.040+/-756.981 χ²/NDF: 10.8/17
Left Out: -643.673+/-493.681 χ²/NDF:27.1/23
Right Out: 255.898+/-730.463 χ²/NDF: 15.0/19
Left In: -366.649+/-497.896 χ²/NDF:17.3/22
Left: -506.339+/-350.566 χ²/NDF: 44.6/46
Right: -652.496+/-525.640 χ²/NDF: 29.0/37
In: -747.563+/-415.981 χ²/NDF:30.1/40
Out: -361.613+/-409.026 χ²/NDF:43.1/43
All: -551.335+/-291.653 χ²/NDF: 73.6/84



Right In: 2120.255+/-0.535 χ^2/NDF: 191793.2/17

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2126.674+/-0.517 χ^2/NDF: 172530.5/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

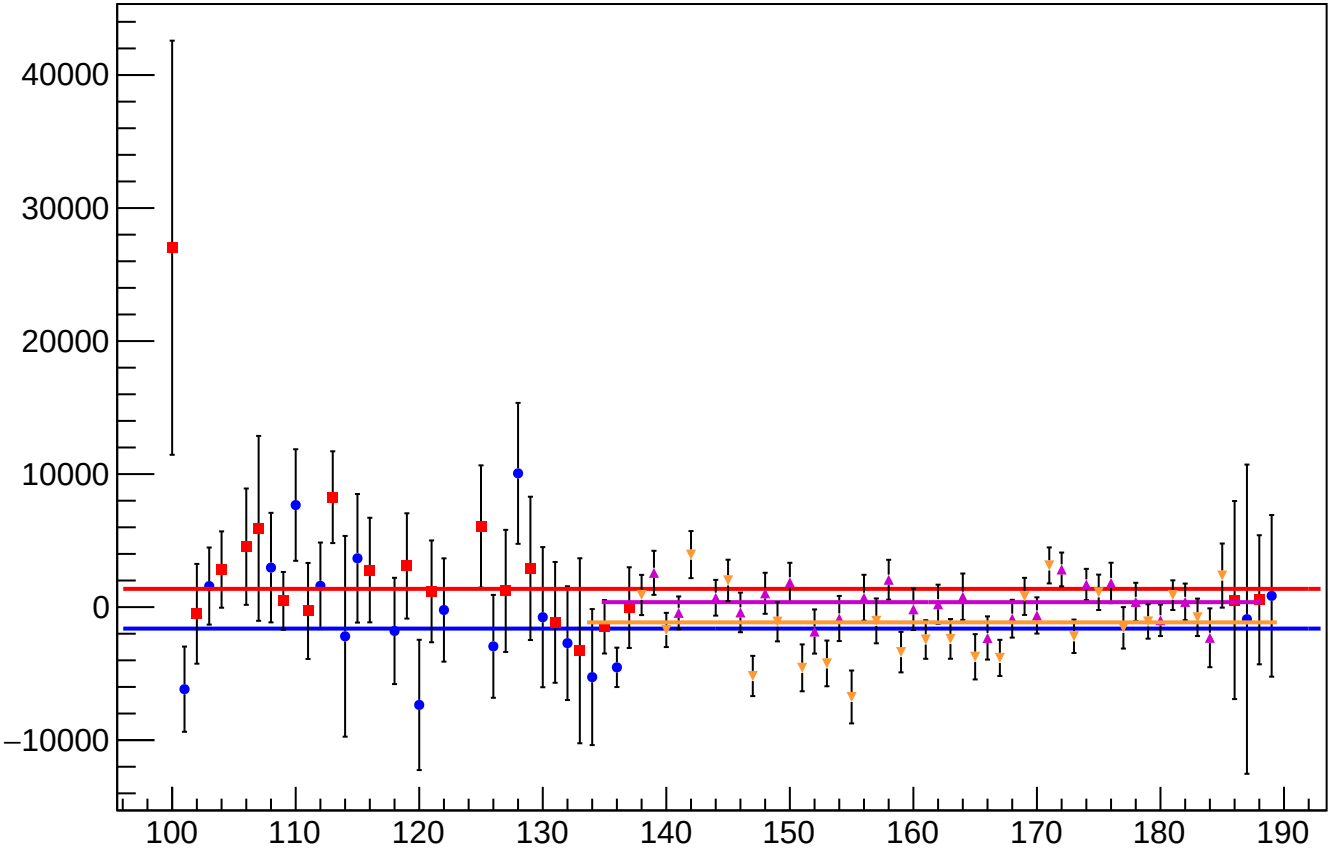
Right: 2123.579+/-0.372 χ^2/NDF: 364398.1/37

In: 2126.985+/-0.294 χ^2/NDF:277374.1/40

Out: 2125.138+/-0.289 χ^2/NDF:261727.3/43

All: 2126.046+/-0.206 χ^2/NDF: 539121.5/84

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1615.017+/-851.283 χ^2/NDF: 22.7/17

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1372.103+/-829.255 χ^2/NDF: 13.0/19

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

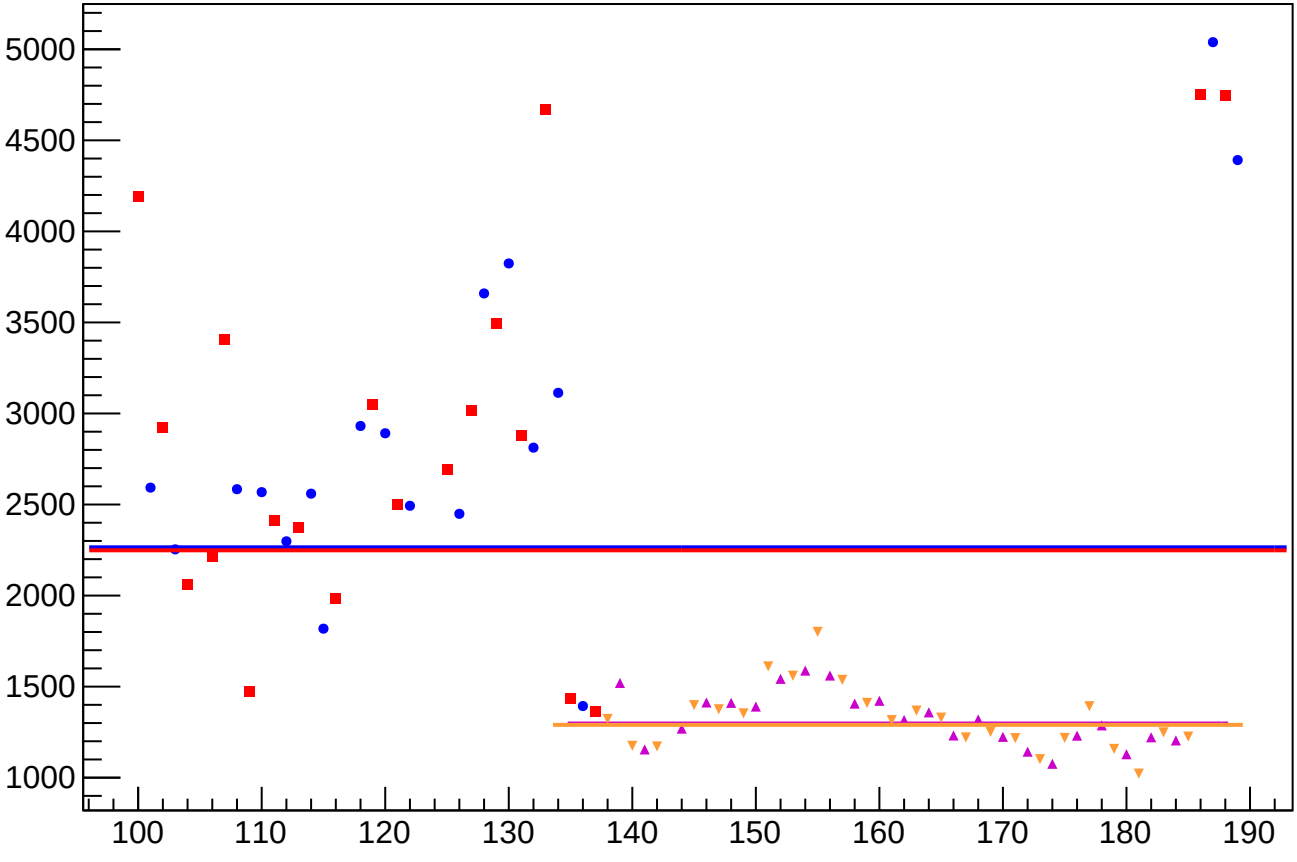
Right: -82.309+/-594.007 χ^2/NDF: 42.0/37

In: 146.504+/-287.443 χ^2/NDF:47.8/40

Out: -849.212+/-284.174 χ^2/NDF:88.7/43

All: -357.048+/-202.087 χ^2/NDF: 142.5/84

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2264.999+/-0.602 χ^2/NDF: 1617060.5/17

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2248.556+/-0.586 χ^2/NDF: 2236778.6/19

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

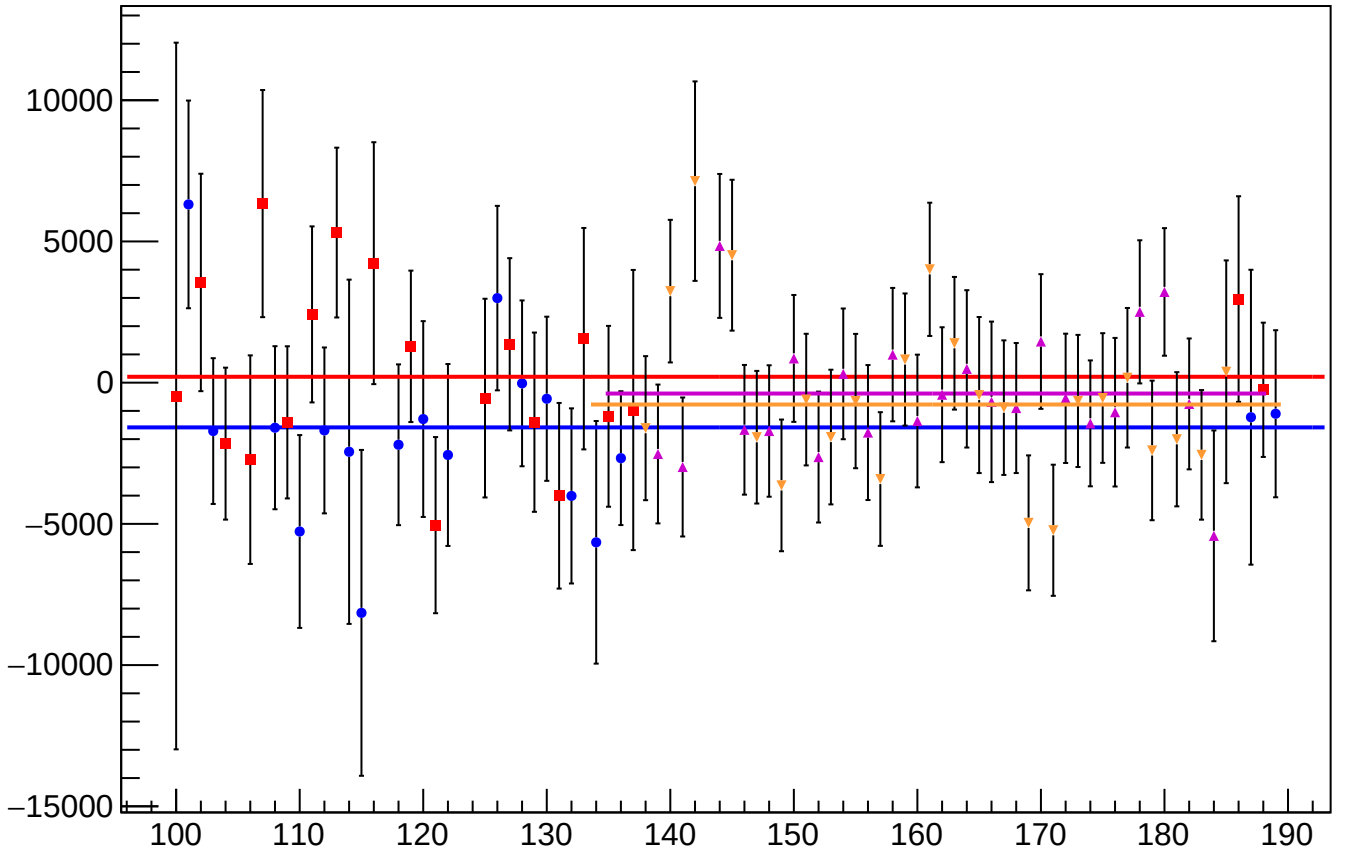
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2256.562+/-0.420 χ^2/NDF: 3854222.0/37

In: 1407.770+/-0.203 χ^2/NDF:4340077.8/40

Out: 1402.603+/-0.201 χ^2/NDF:5162965.0/43

All: 1405.157+/-0.143 χ^2/NDF: 9503369.7/84



Right In: -1584.041+/-762.168 χ^2/NDF: 11.4/17

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 208.026+/-739.007 χ^2/NDF: 15.2/19

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

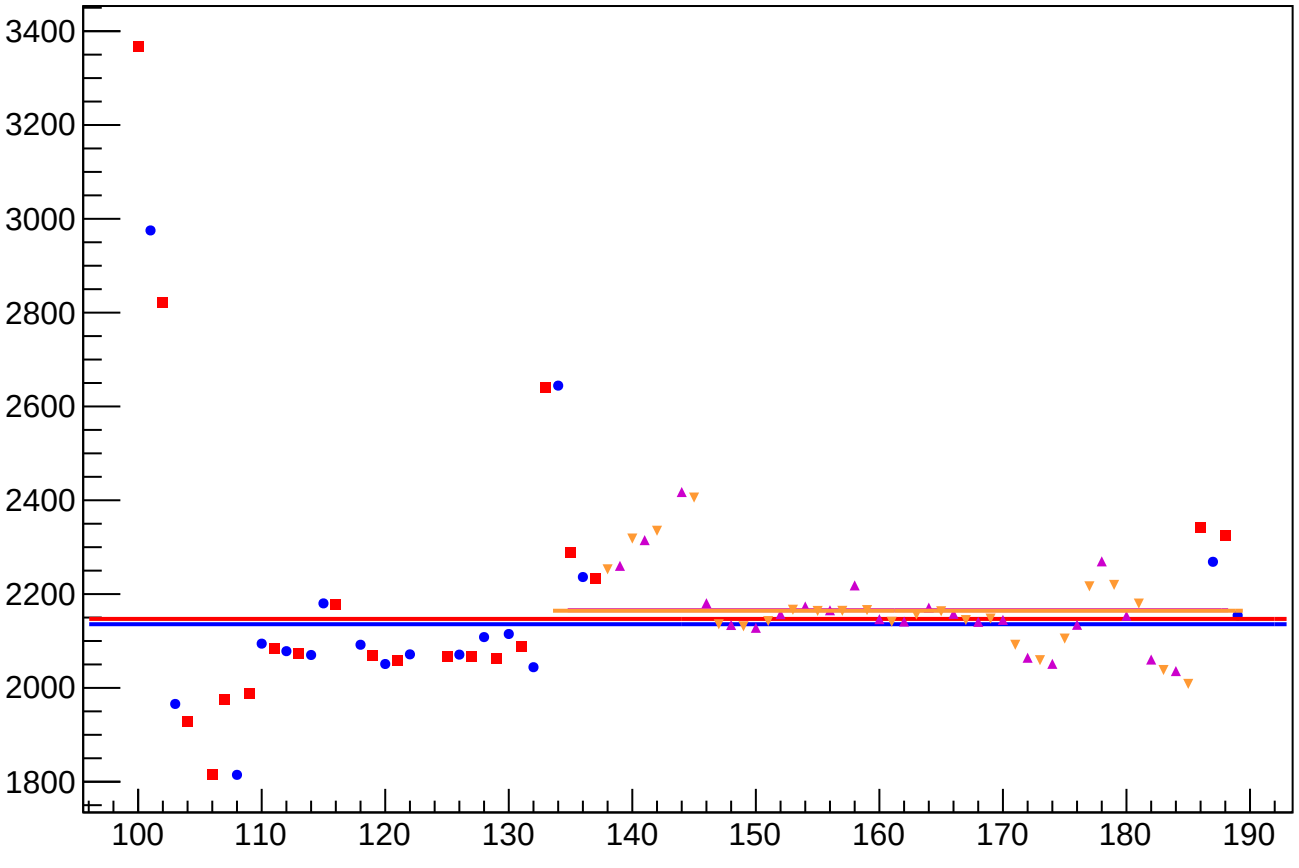
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -660.366+/-530.556 χ^2/NDF: 29.4/37

In: -752.051+/-421.586 χ^2/NDF:28.7/40

Out: -462.957+/-415.716 χ^2/NDF:44.9/43

All: -605.477+/-296.009 χ^2/NDF: 73.9/84



Right In: 2135.768+/-0.539 χ^2/NDF: 177385.5/17

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2147.086+/-0.523 χ^2/NDF: 183205.8/19

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

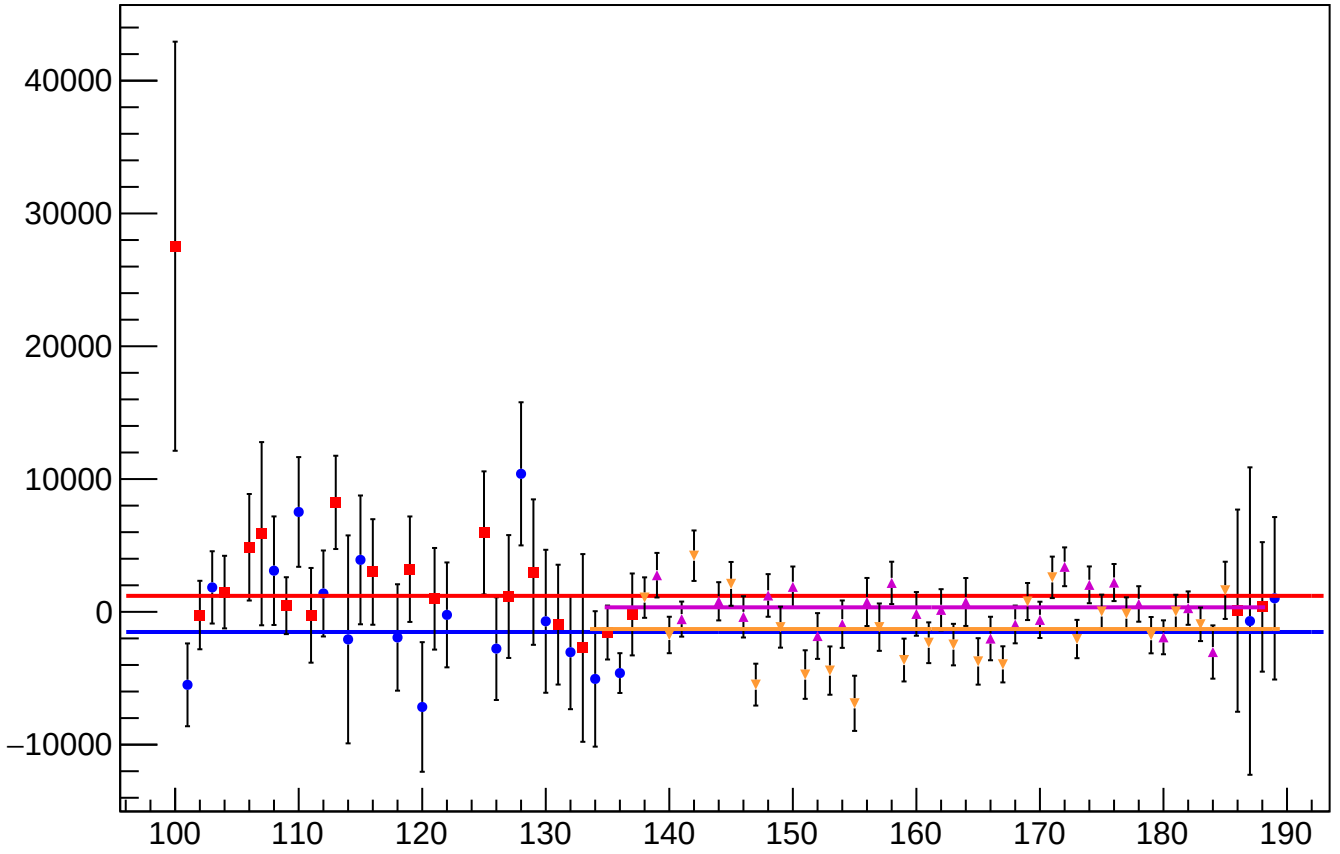
Right: 2141.601+/-0.375 χ^2/NDF: 360818.7/37

In: 2156.502+/-0.298 χ^2/NDF:231642.8/40

Out: 2159.011+/-0.294 χ^2/NDF:234644.0/43

All: 2157.775+/-0.209 χ^2/NDF: 466322.7/84

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1516.404+/-849.093 χ^2/NDF: 22.8/17

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1204.569+/-803.911 χ^2/NDF: 13.1/19

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

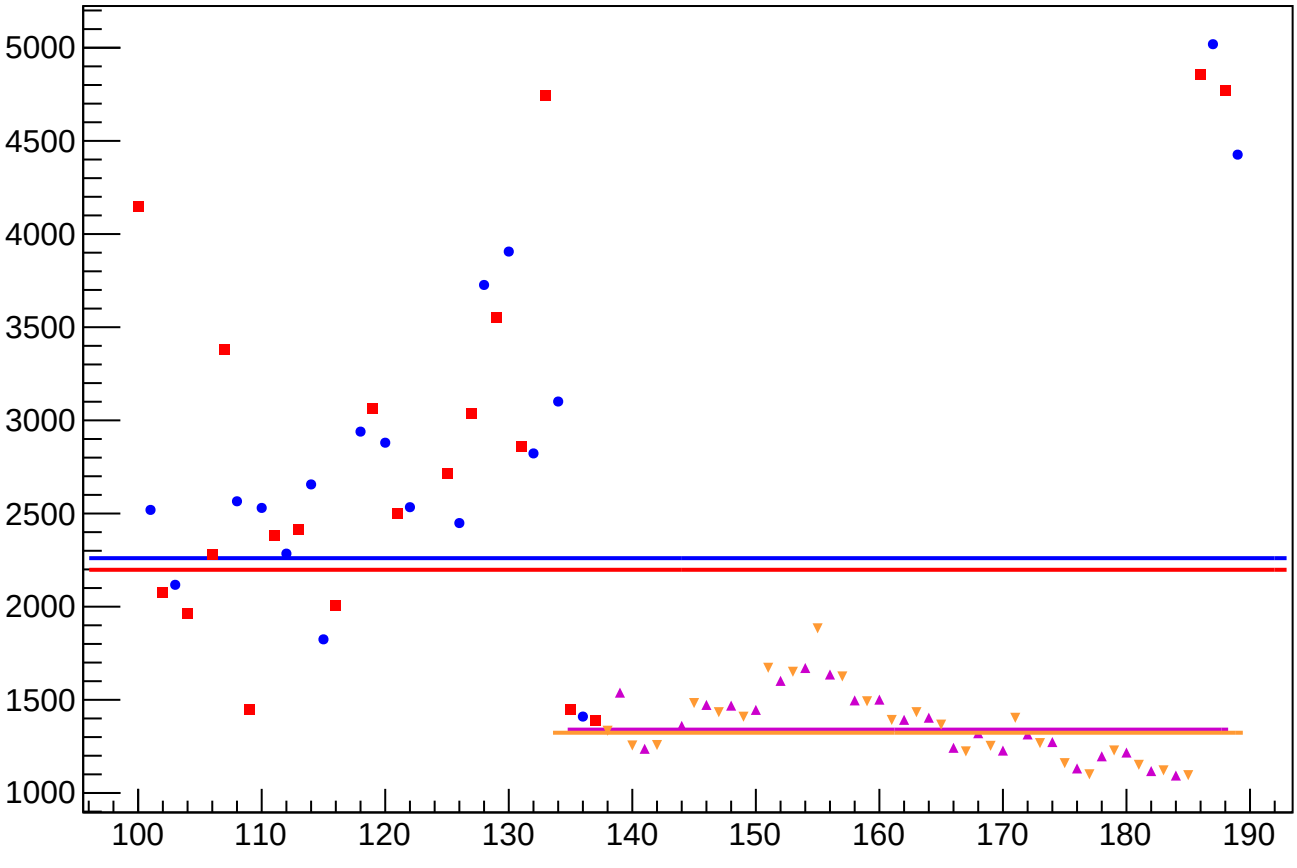
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -81.601+/-583.771 χ^2/NDF: 41.3/37

In: 115.810+/-295.798 χ^2/NDF:51.8/40

Out: -969.184+/-289.745 χ^2/NDF:80.2/43

All: -437.901+/-206.988 χ^2/NDF: 138.8/84



Right In: 2260.377+/-0.600 χ^2/NDF: 1596349.9/17

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2197.969+/-0.568 χ^2/NDF: 2206011.4/19

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

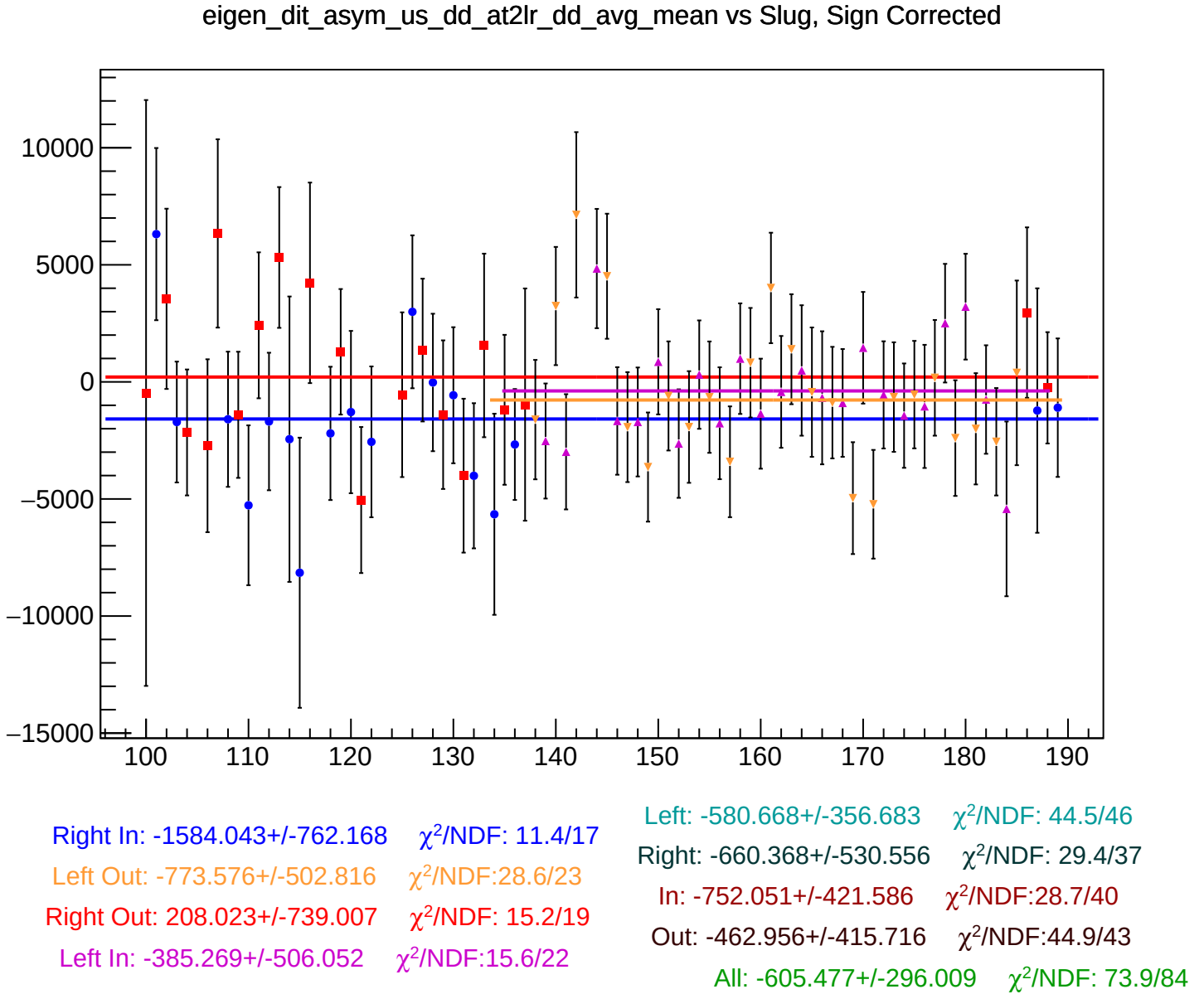
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

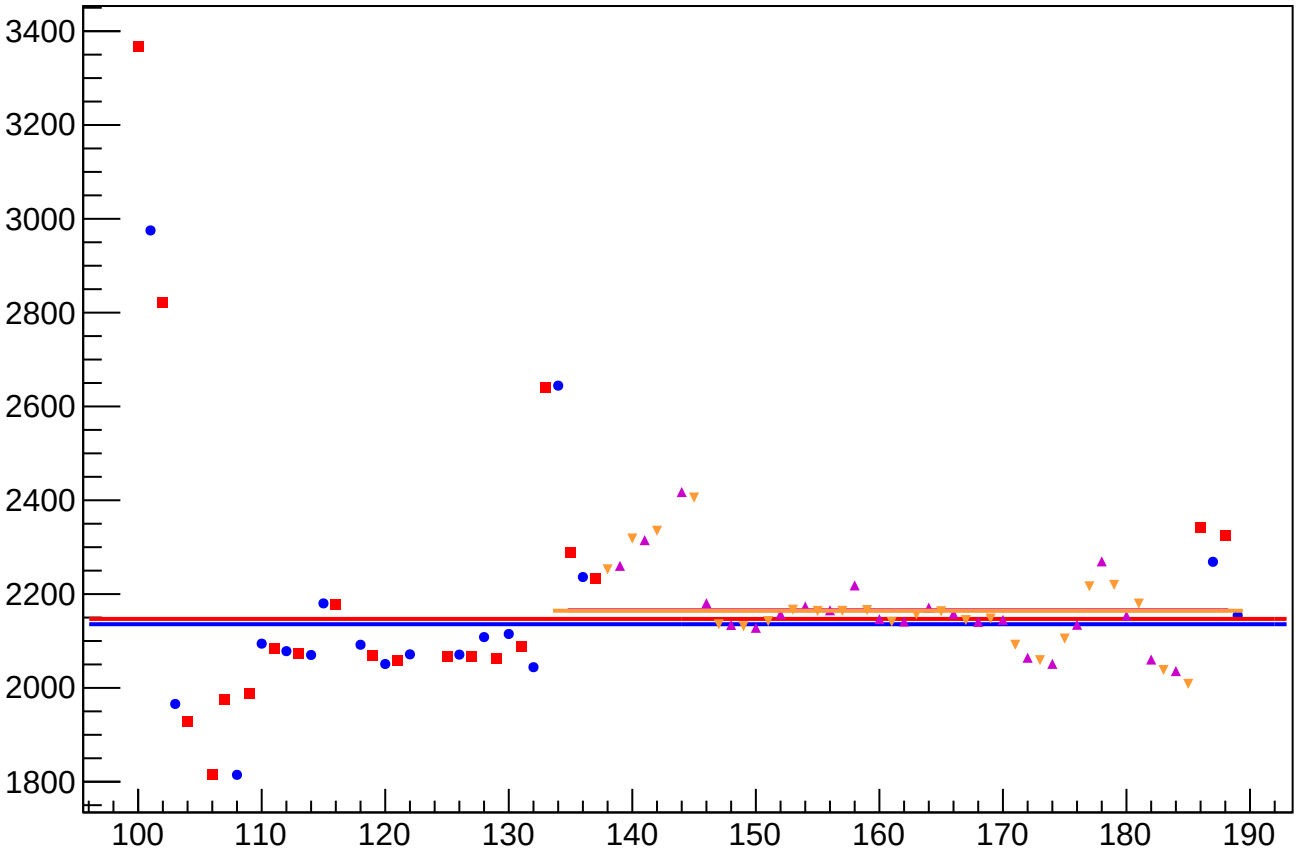
Right: 2227.468+/-0.413 χ^2/NDF: 3808058.6/37

In: 1451.772+/-0.209 χ^2/NDF:4154958.4/40

Out: 1437.010+/-0.205 χ^2/NDF:4929396.4/43

All: 1444.239+/-0.146 χ^2/NDF: 9086896.9/84


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -1584.043+/-762.168 χ²/NDF: 11.4/17
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 208.023+/-739.007 χ²/NDF: 15.2/19
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -660.368+/-530.556 χ²/NDF: 29.4/37
In: -752.051+/-421.586 χ²/NDF:28.7/40
Out: -462.956+/-415.716 χ²/NDF:44.9/43
All: -605.477+/-296.009 χ²/NDF: 73.9/84



Right In: 2135.767+/-0.539 χ^2/NDF: 177385.5/17

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2147.086+/-0.523 χ^2/NDF: 183205.8/19

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

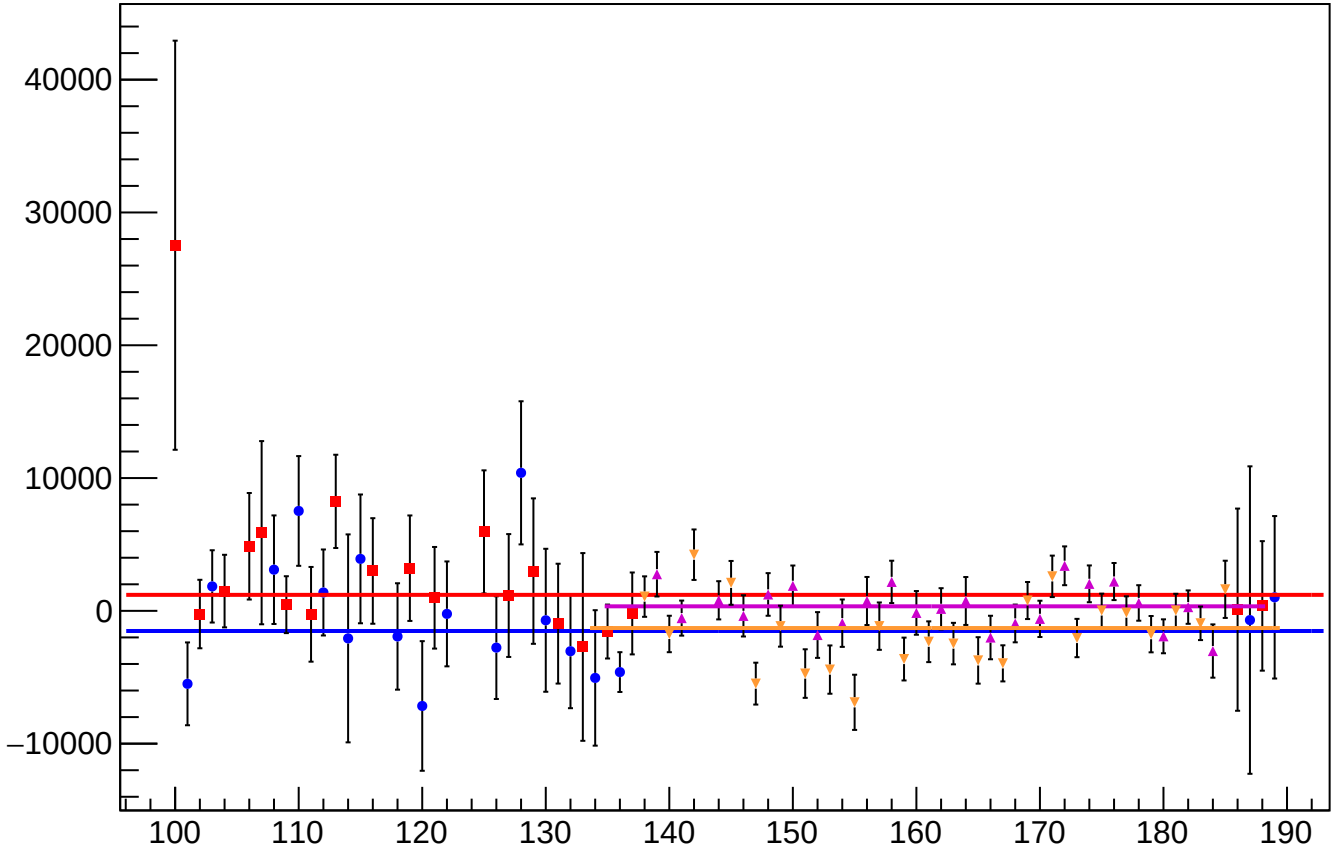
Right: 2141.601+/-0.375 χ^2/NDF: 360818.6/37

In: 2156.502+/-0.298 χ^2/NDF:231642.7/40

Out: 2159.011+/-0.294 χ^2/NDF:234644.0/43

All: 2157.774+/-0.209 χ^2/NDF: 466322.6/84

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1516.391+/-849.096 χ^2/NDF: 22.8/17

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1204.583+/-803.914 χ^2/NDF: 13.1/19

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

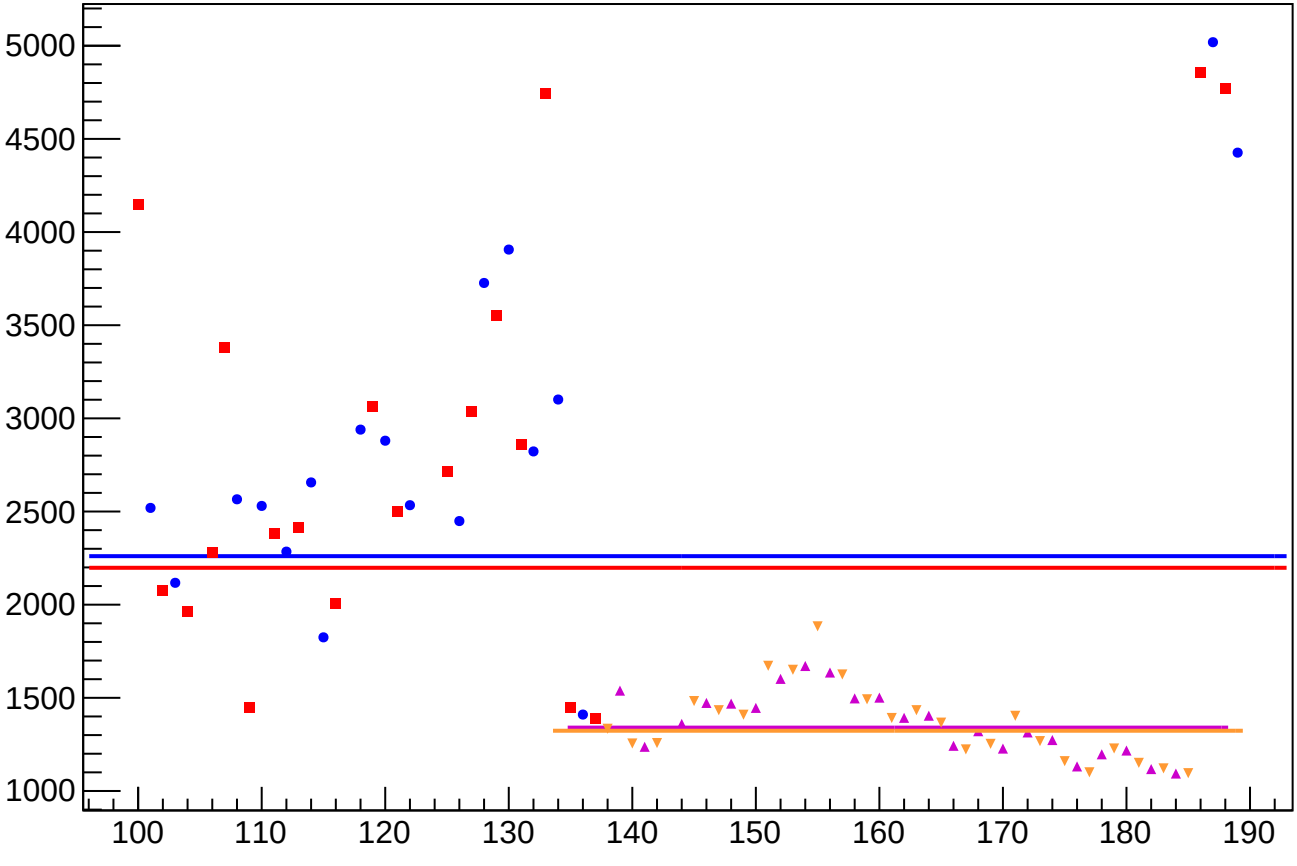
Right: -81.588+/-583.773 χ^2/NDF: 41.3/37

In: 115.811+/-295.798 χ^2/NDF:51.8/40

Out: -969.185+/-289.745 χ^2/NDF:80.2/43

All: -437.901+/-206.988 χ^2/NDF: 138.8/84

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2260.389+/-0.600 χ^2/NDF: 1596287.2/17

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2197.981+/-0.568 χ^2/NDF: 2205958.3/19

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

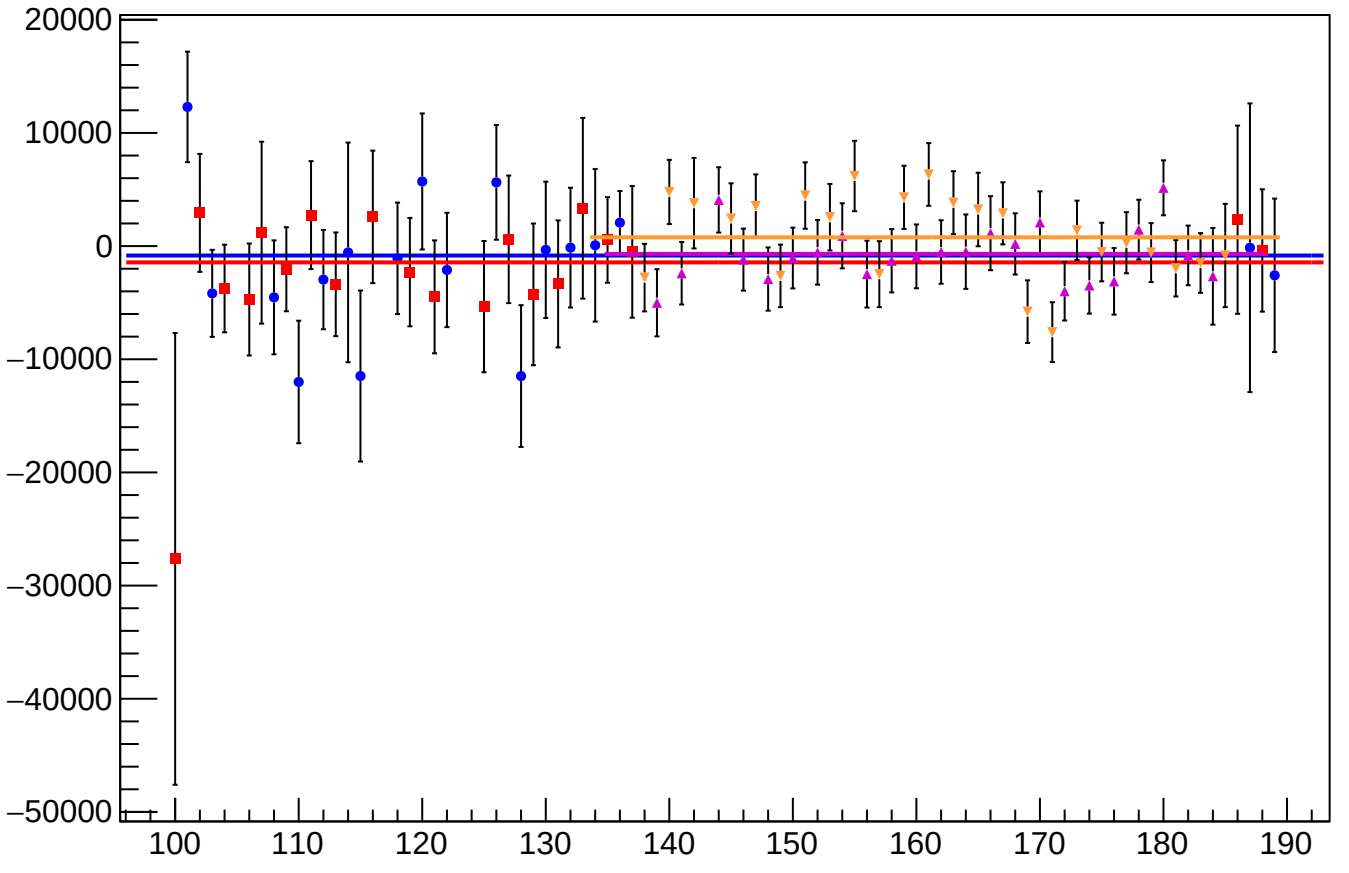
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2227.481+/-0.413 χ^2/NDF: 3807942.8/37

In: 1451.772+/-0.209 χ^2/NDF:4154955.2/40

Out: 1437.011+/-0.205 χ^2/NDF:4929387.9/43

All: 1444.239+/-0.146 χ^2/NDF: 9086884.7/84



Right In: -833.786+/-1215.847 χ^2/NDF: 22.0/17

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1440.044+/-1177.146 χ^2/NDF: 7.0/19

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

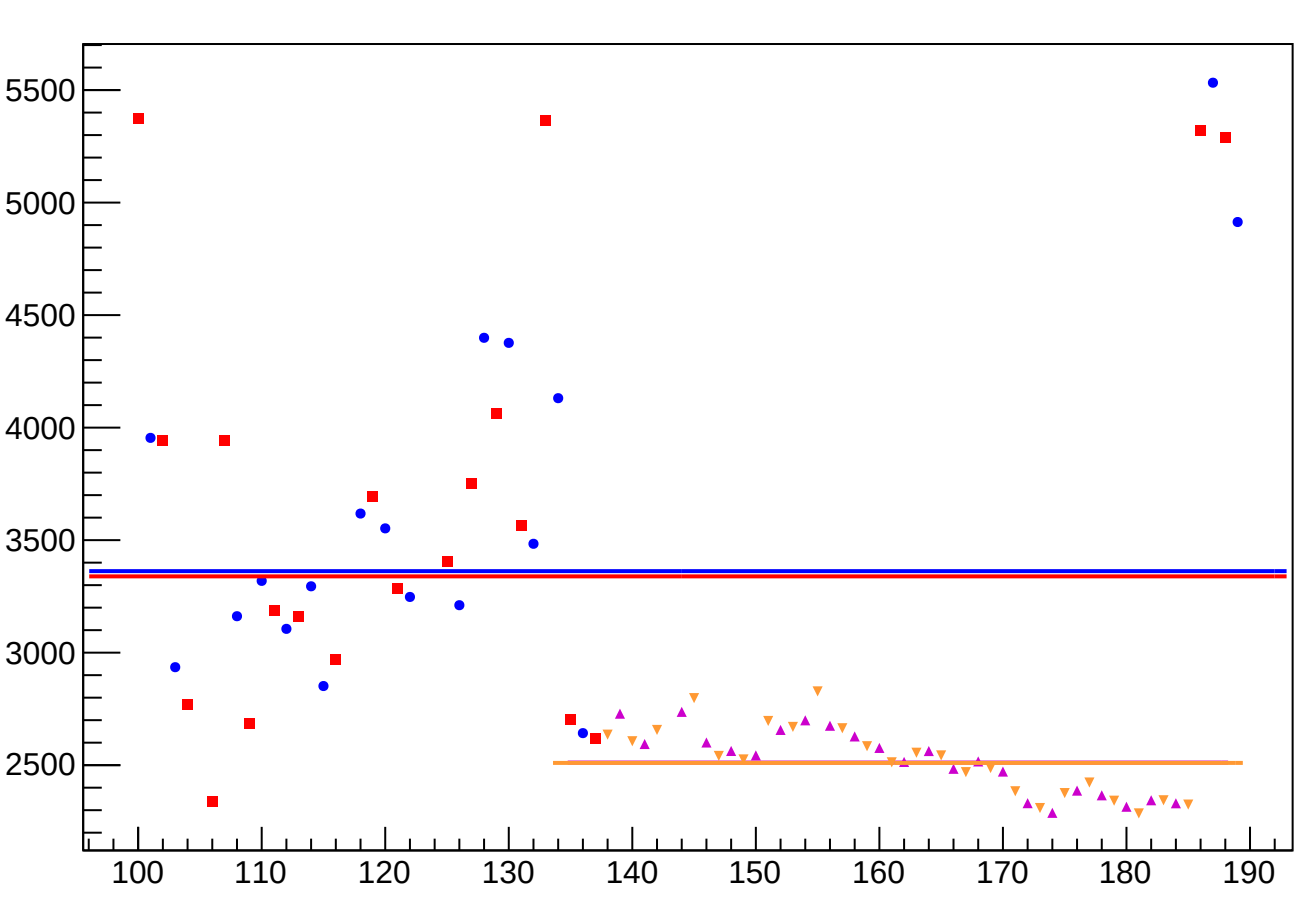
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -1146.717+/-845.719 χ^2/NDF: 29.1/37

In: -717.196+/-528.932 χ^2/NDF:40.3/40

Out: 337.693+/-522.935 χ^2/NDF:49.2/43

All: -183.737+/-371.873 χ^2/NDF: 91.5/84



Right In: 3362.267+/-0.860 χ^2/NDF: 517006.5/17

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3339.017+/-0.832 χ^2/NDF: 900447.4/19

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

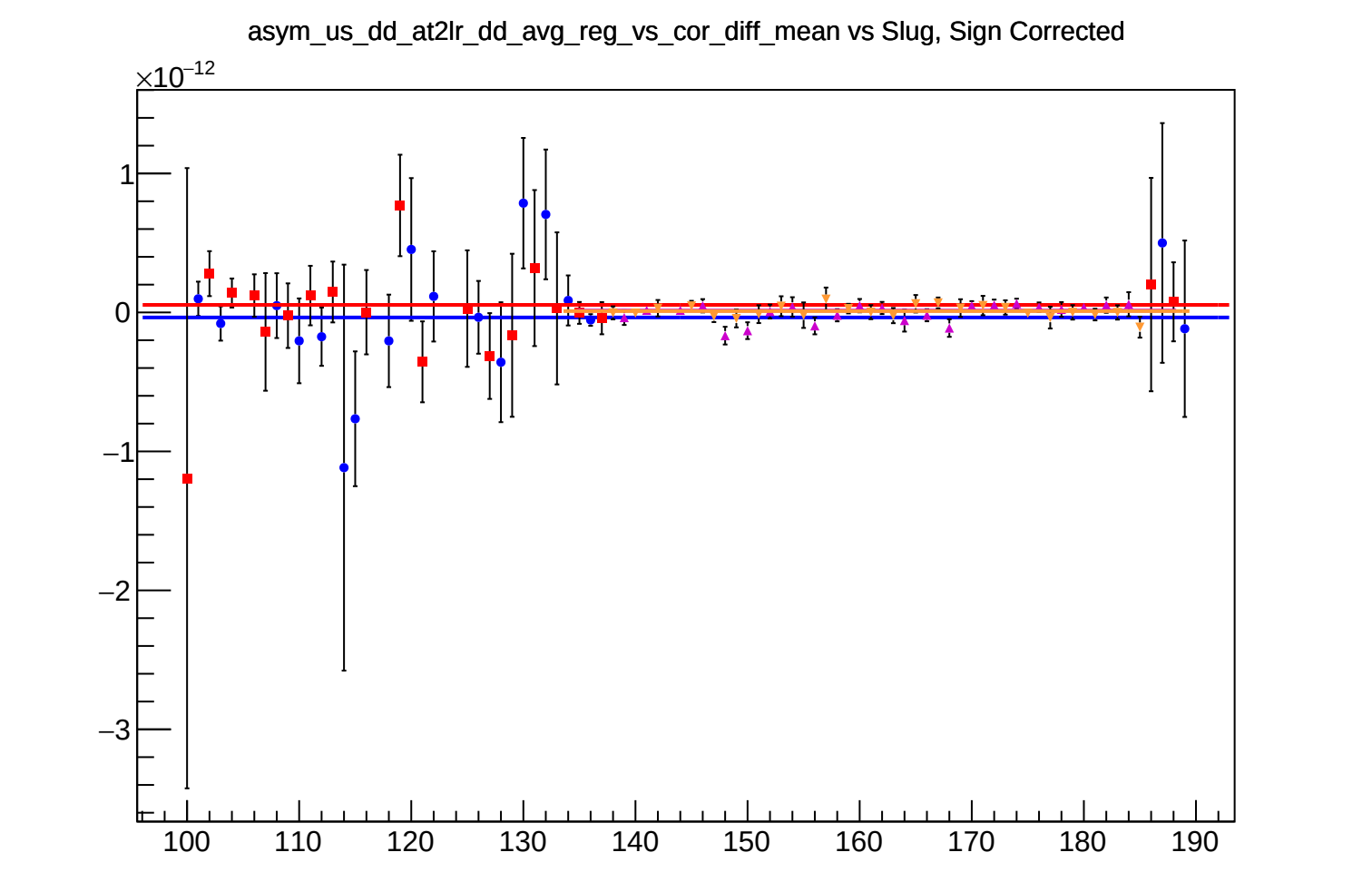
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3350.266+/-0.598 χ^2/NDF: 1417831.4/37

In: 2672.601+/-0.374 χ^2/NDF:1424208.5/40

Out: 2673.664+/-0.370 χ^2/NDF:1825167.2/43

All: 2673.139+/-0.263 χ^2/NDF: 3249379.8/84



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/19

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

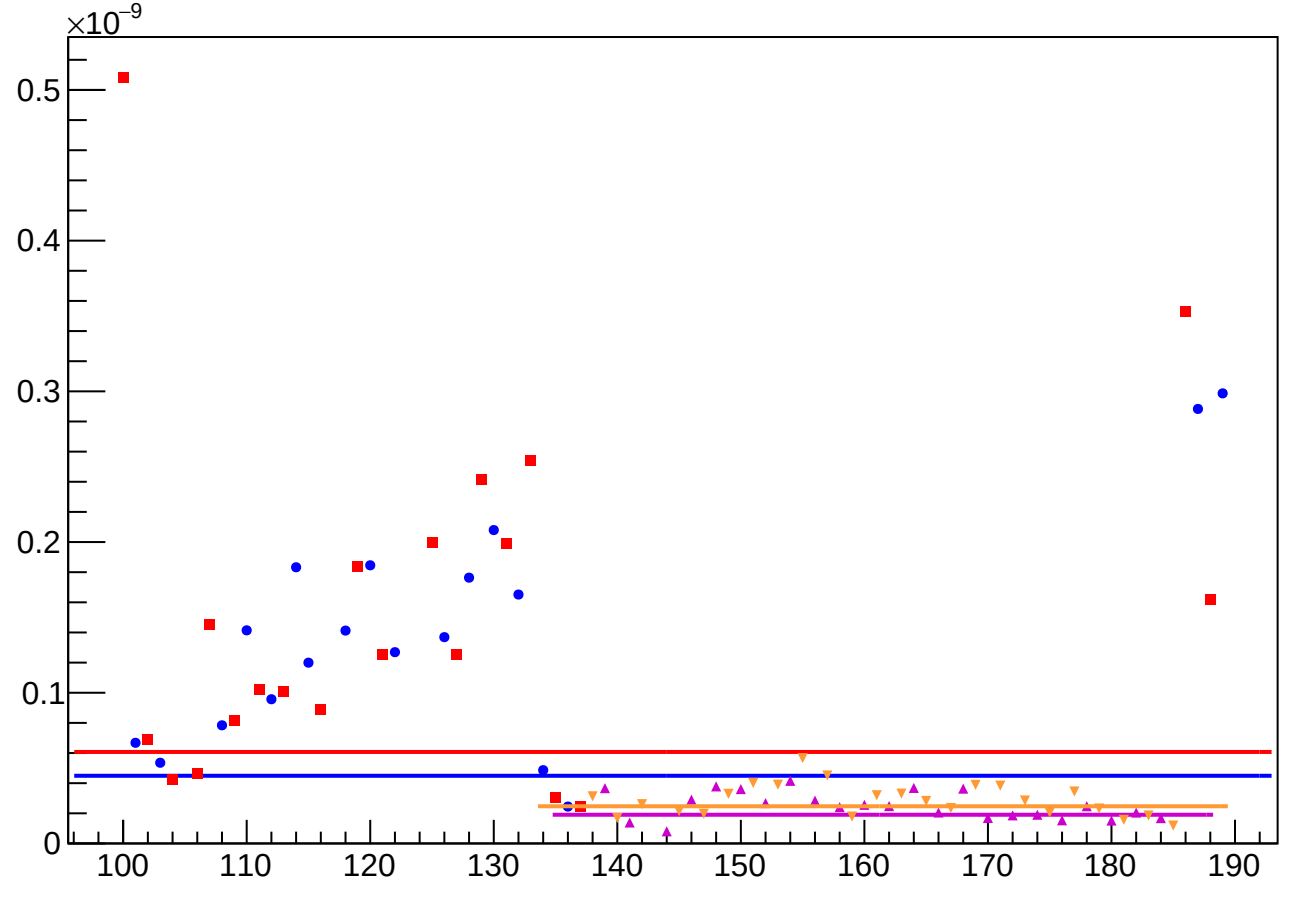
Right: -0.000+/-0.000 χ^2/NDF: 28.9/37

In: 0.000+/-0.000 χ^2/NDF:46.5/40

Out: 0.000+/-0.000 χ^2/NDF:25.8/43

All: 0.000+/-0.000 χ^2/NDF: 72.3/84

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2708979.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2640840.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

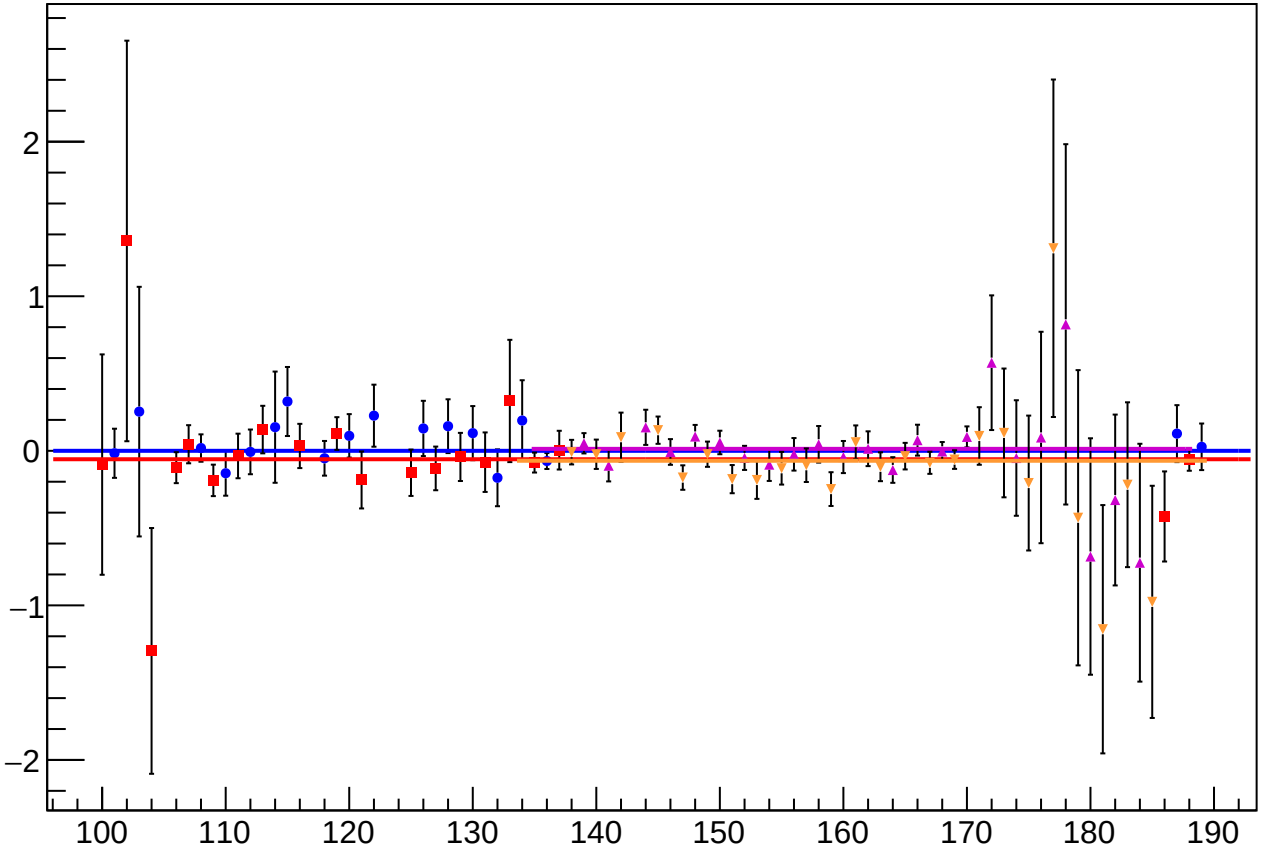
Right: 0.000+/-0.000 χ^2/NDF: 5516004.7/37

In: 0.000+/-0.000 χ^2/NDF:5971514.6/40

Out: 0.000+/-0.000 χ^2/NDF:5399811.2/43

All: 0.000+/-0.000 χ^2/NDF: 11812035.5/84

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

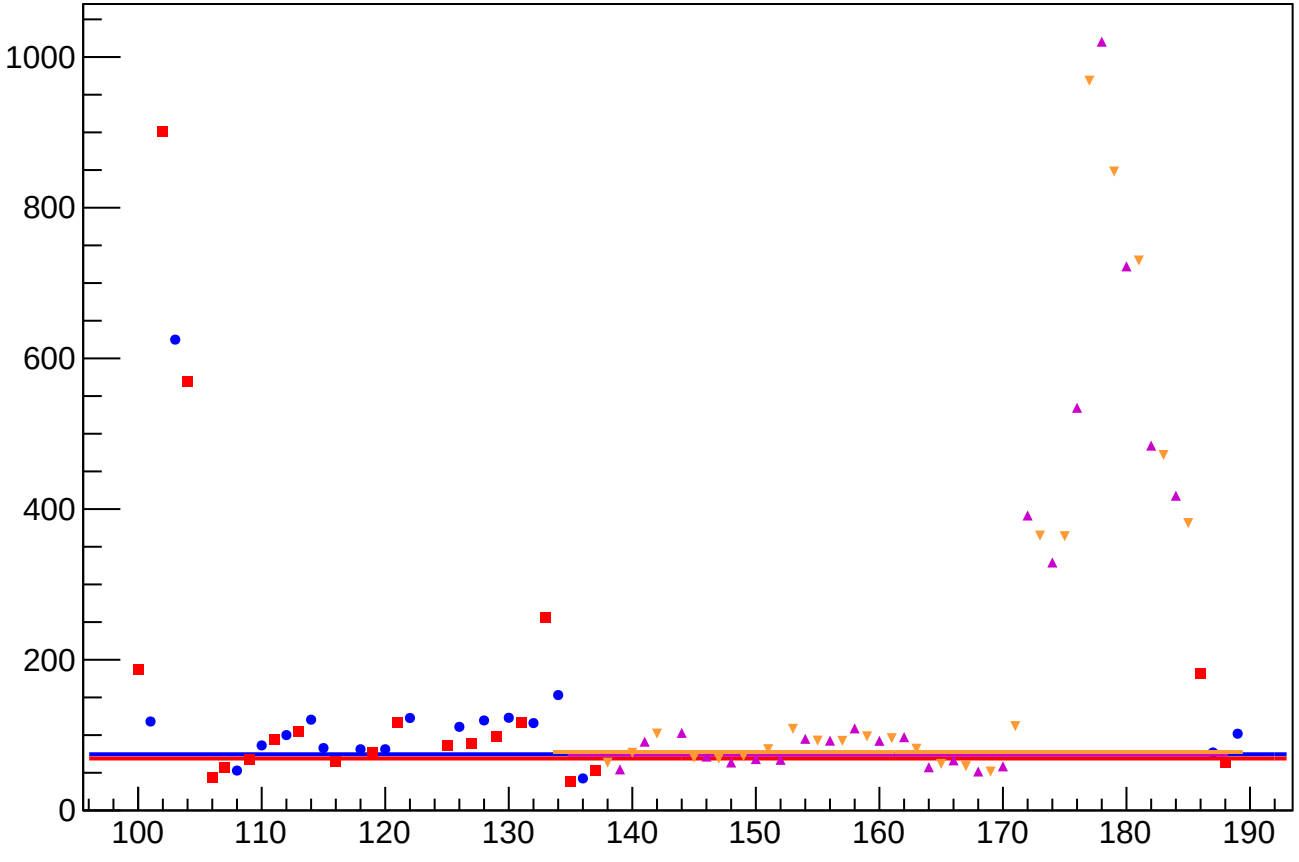
Right: -0.029+/-0.021 χ^2/NDF: 27.1/37

In: 0.009+/-0.017 χ^2/NDF:25.9/40

Out: -0.061+/-0.018 χ^2/NDF:37.1/43

All: -0.026+/-0.012 χ^2/NDF: 70.8/84

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 74.558+/-0.022 χ^2/NDF: 2924082.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 68.977+/-0.020 χ^2/NDF: 3643854.7/19

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

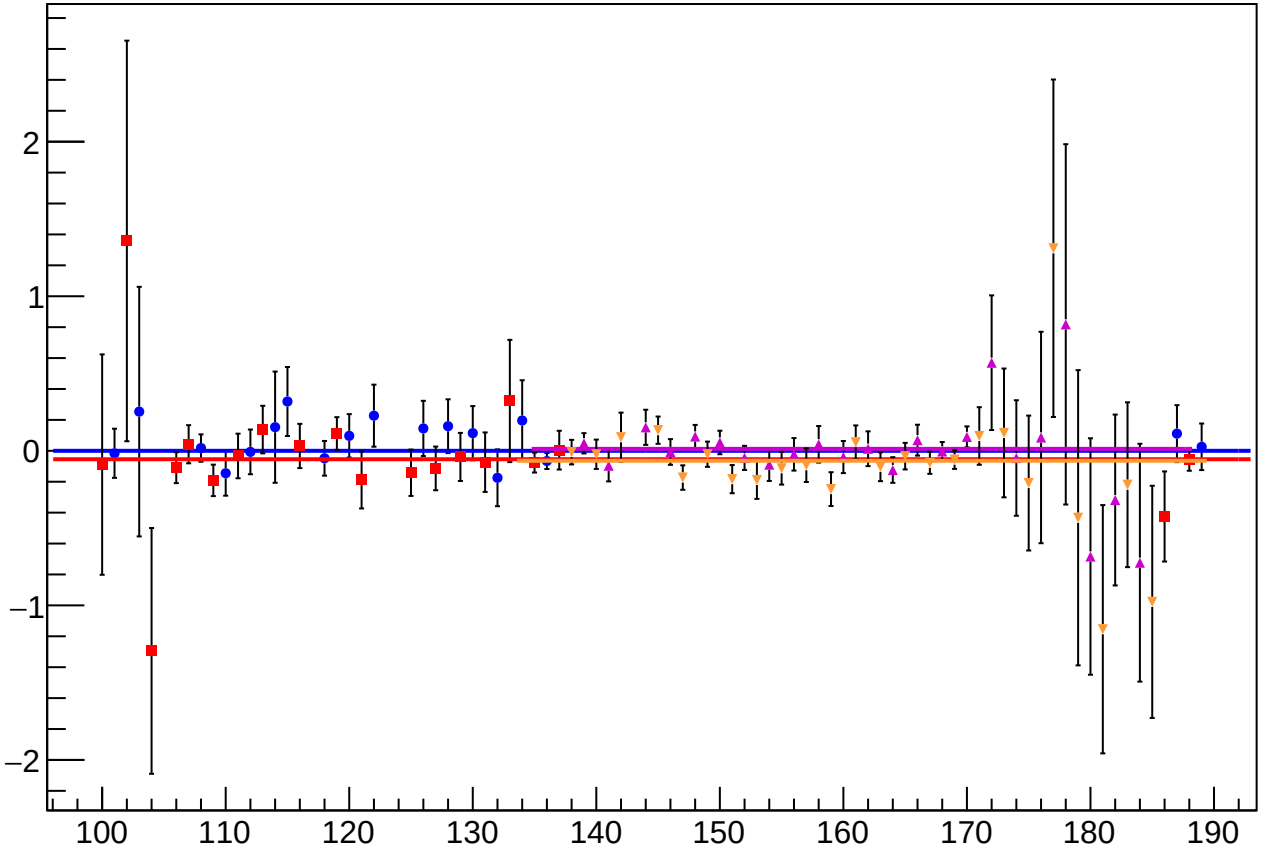
Right: 71.556+/-0.015 χ^2/NDF: 6602660.6/37

In: 74.324+/-0.012 χ^2/NDF:11438328.7/40

Out: 74.360+/-0.012 χ^2/NDF:12086173.8/43

All: 74.342+/-0.009 χ^2/NDF: 23524506.7/84

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

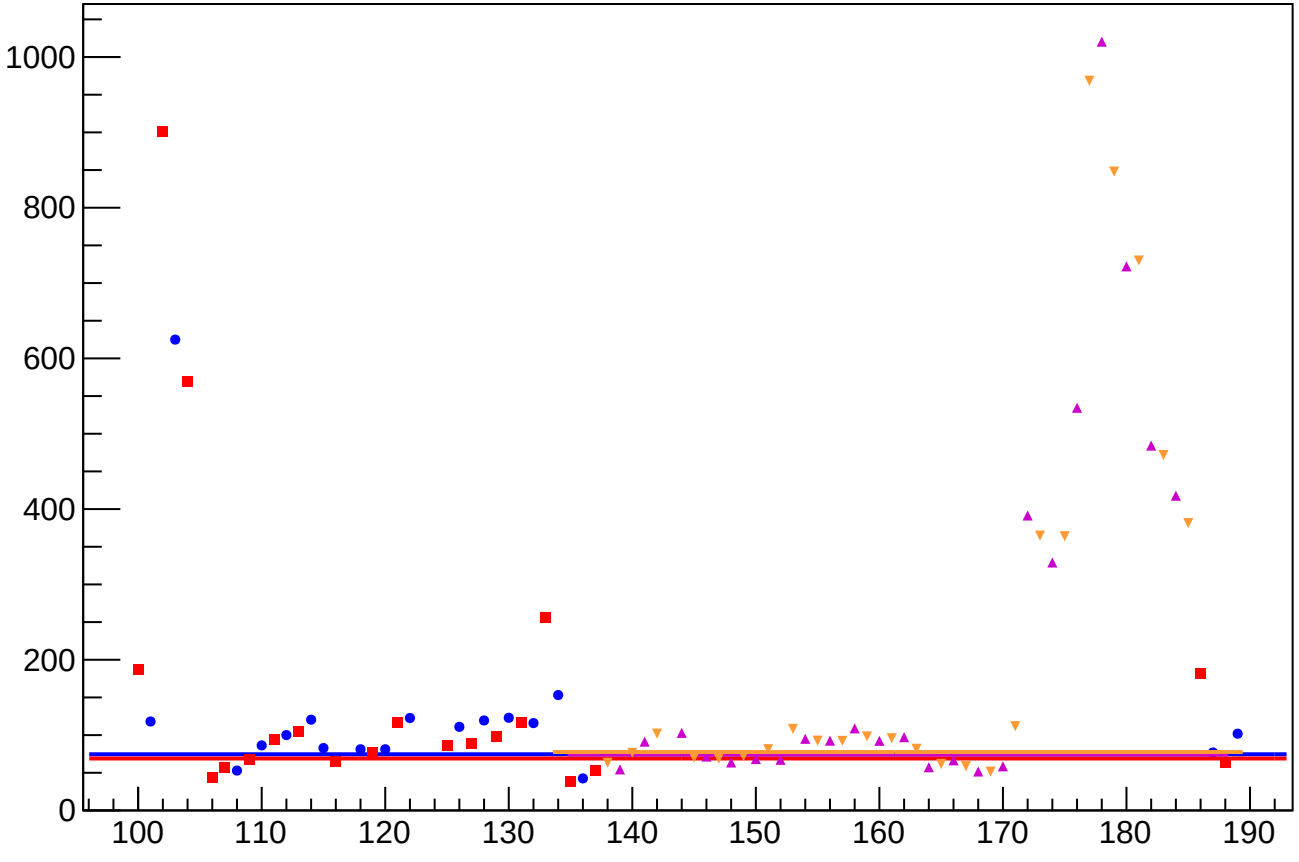
Right: -0.029+/-0.021 χ^2/NDF: 27.1/37

In: 0.009+/-0.017 χ^2/NDF:25.9/40

Out: -0.061+/-0.018 χ^2/NDF:37.1/43

All: -0.026+/-0.012 χ^2/NDF: 70.8/84

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 74.558+/-0.022 χ^2/NDF: 2924082.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 68.977+/-0.020 χ^2/NDF: 3643854.7/19

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

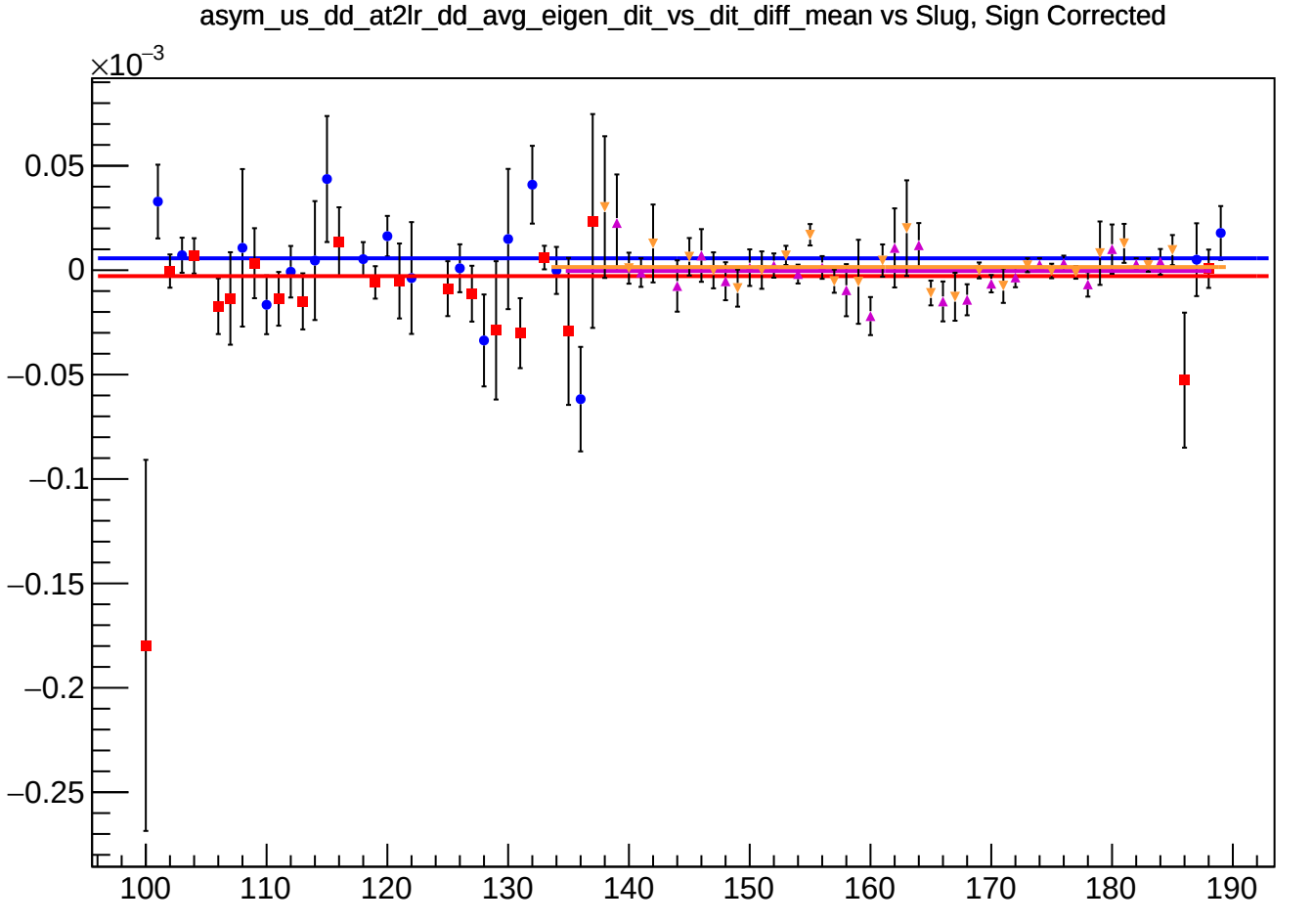
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 71.556+/-0.015 χ^2/NDF: 6602660.6/37

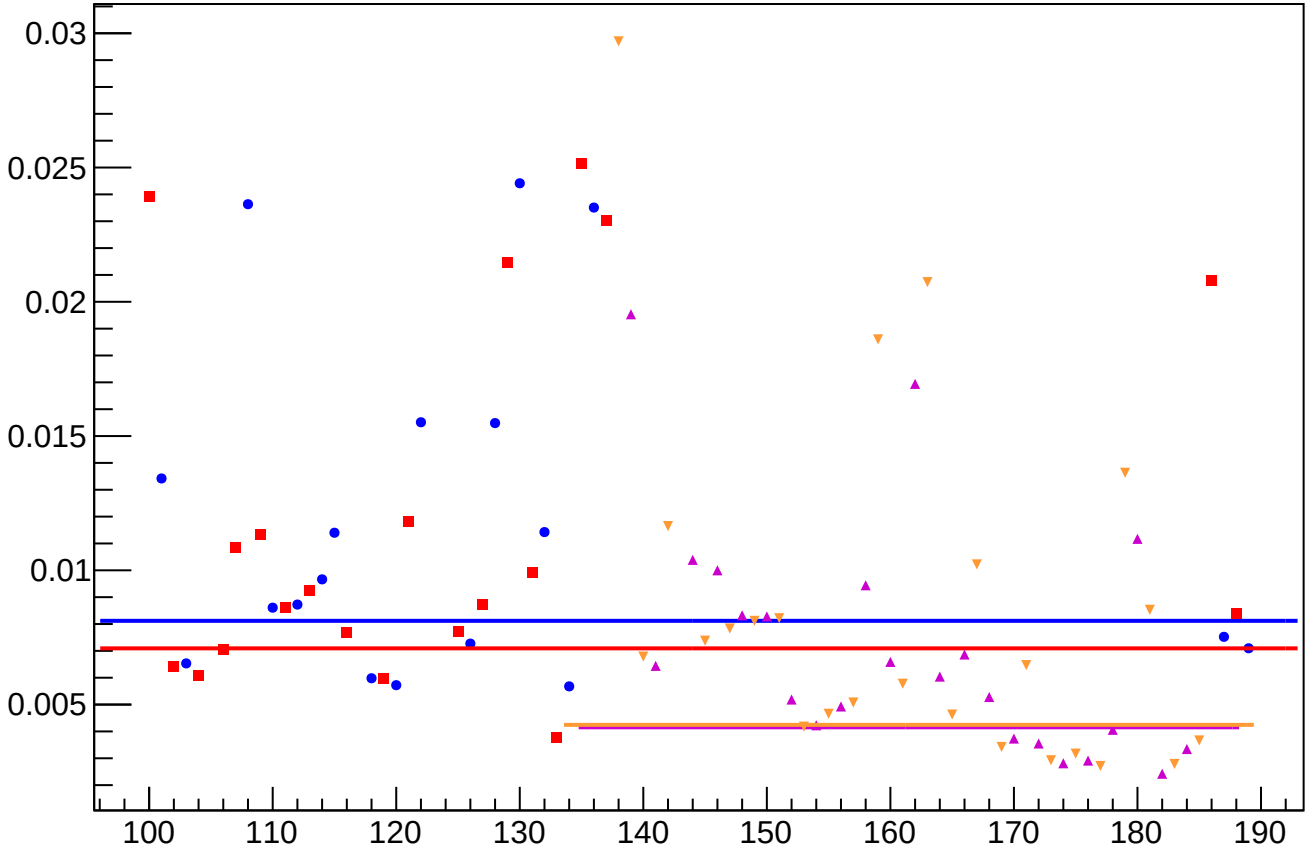
In: 74.324+/-0.012 χ^2/NDF:11438328.7/40

Out: 74.360+/-0.012 χ^2/NDF:12086173.8/43

All: 74.342+/-0.009 χ^2/NDF: 23524506.7/84


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 23.5/17
Left Out: 0.000+/-0.000 χ²/NDF:27.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 19.3/19
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: 0.000+/-0.000 χ²/NDF: 52.9/46
Right: 0.000+/-0.000 χ²/NDF: 46.8/37
In: 0.000+/-0.000 χ²/NDF:51.1/40
Out: 0.000+/-0.000 χ²/NDF:48.6/43
All: 0.000+/-0.000 χ²/NDF: 99.8/84

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2672709.1/17

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 2837194.4/19

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

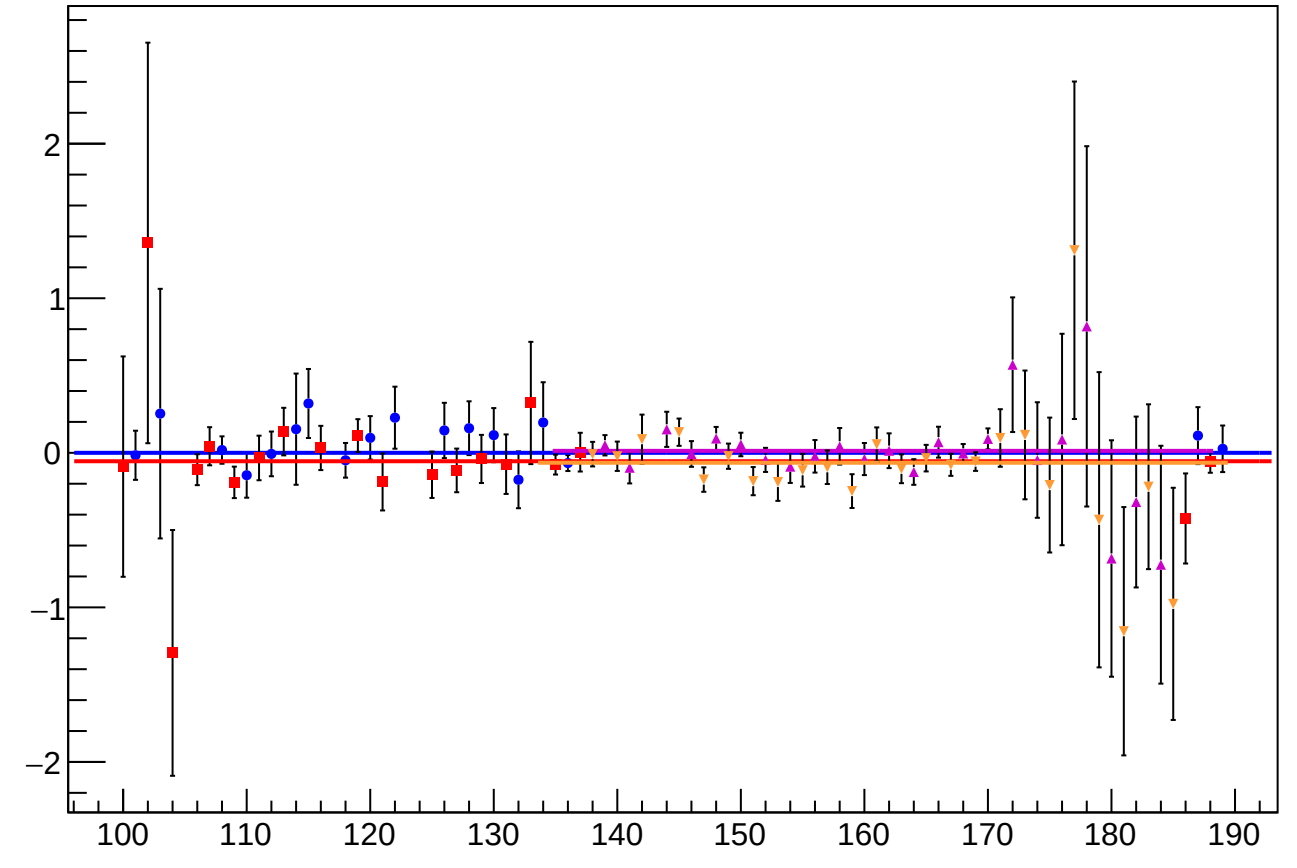
Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

Right: 0.008+/-0.000 χ^2/NDF: 5625201.9/37

In: 0.005+/-0.000 χ^2/NDF:12105129.5/40

Out: 0.005+/-0.000 χ^2/NDF:13369829.6/43

All: 0.005+/-0.000 χ^2/NDF: 25480688.6/84



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

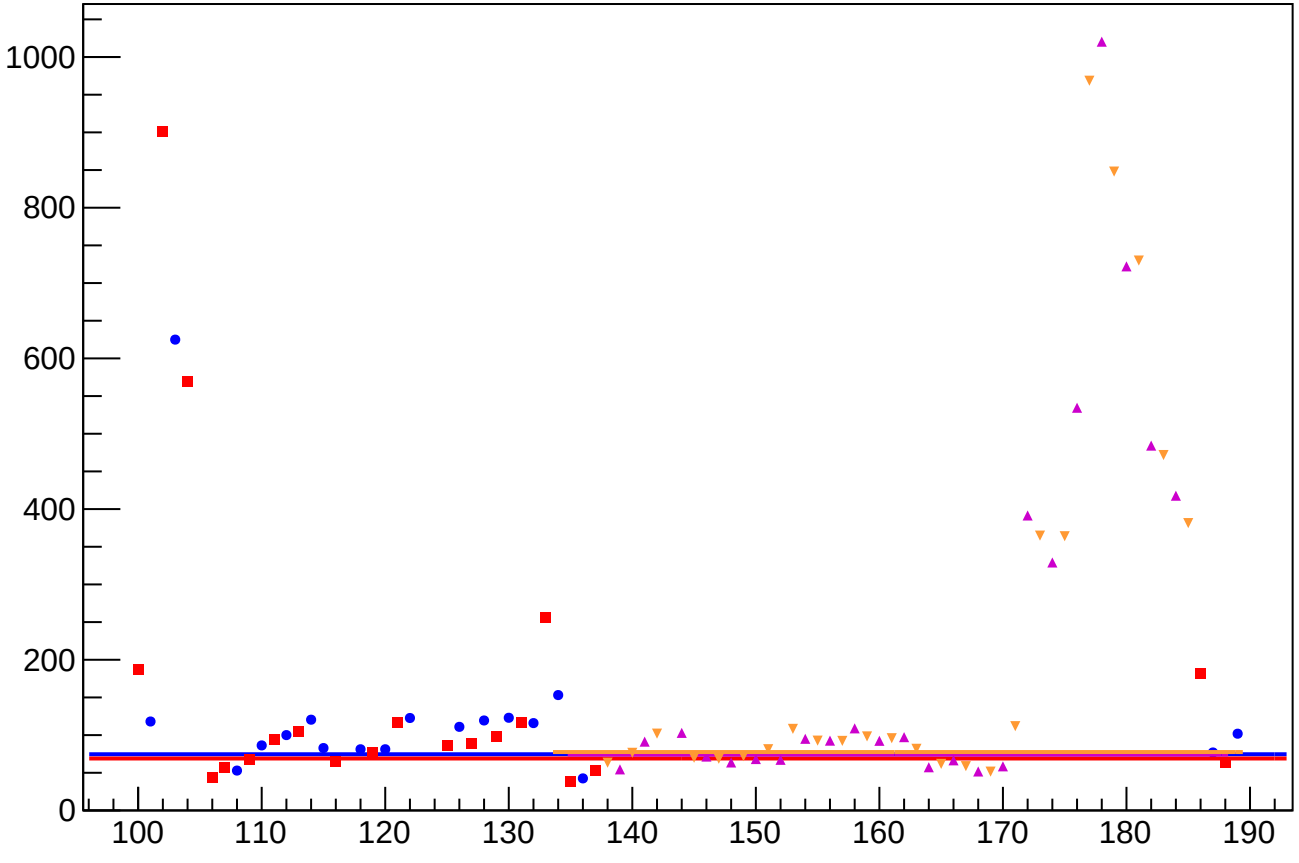
Right: -0.029+/-0.021 χ^2/NDF: 27.1/37

In: 0.009+/-0.017 χ^2/NDF:25.9/40

Out: -0.061+/-0.018 χ^2/NDF:37.1/43

All: -0.026+/-0.012 χ^2/NDF: 70.8/84

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 74.582+/-0.022 χ^2/NDF: 2921670.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 68.968+/-0.020 χ^2/NDF: 3644860.8/19

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

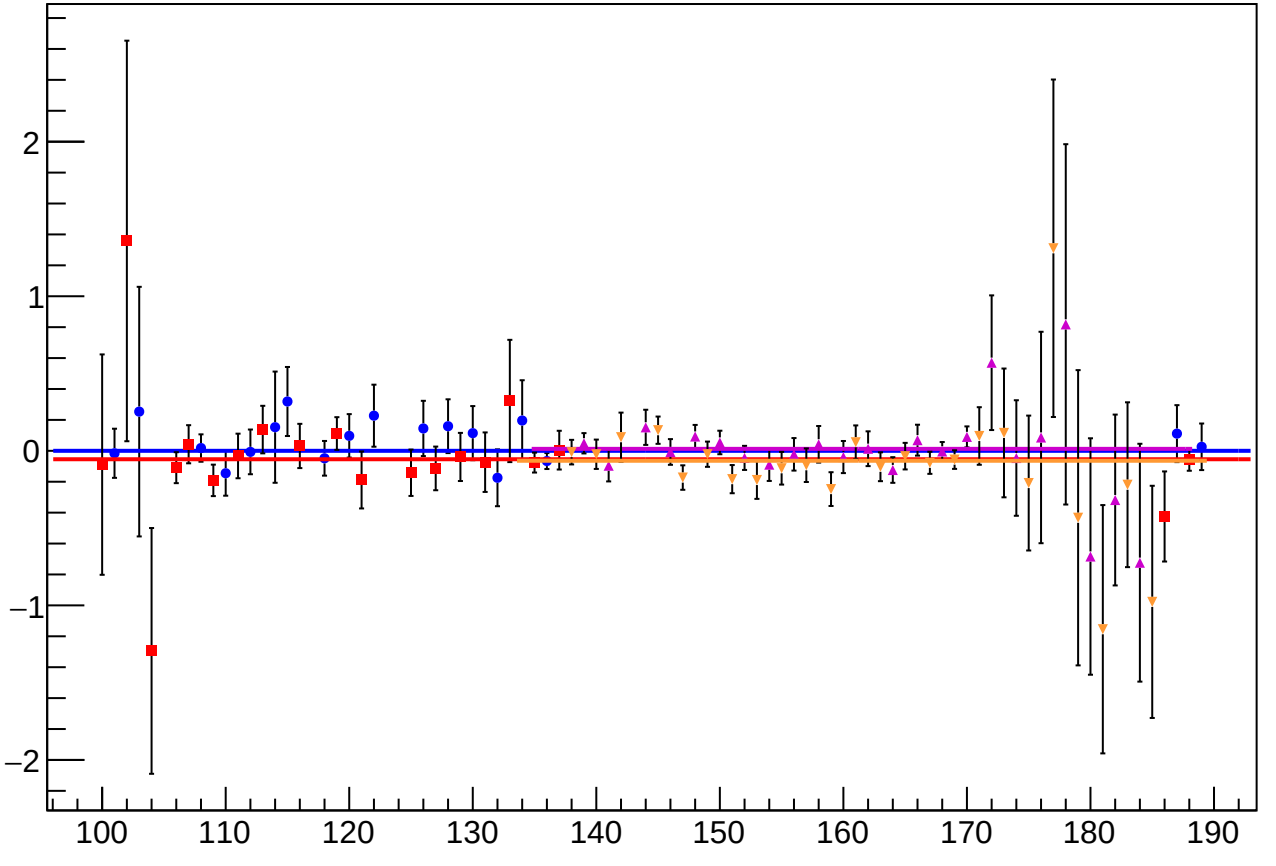
Right: 71.562+/-0.015 χ^2/NDF: 6601657.4/37

In: 74.333+/-0.012 χ^2/NDF:11435650.2/40

Out: 74.356+/-0.012 χ^2/NDF:12087320.1/43

All: 74.344+/-0.009 χ^2/NDF: 23522972.2/84

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.031 χ^2/NDF: 10.7/17

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

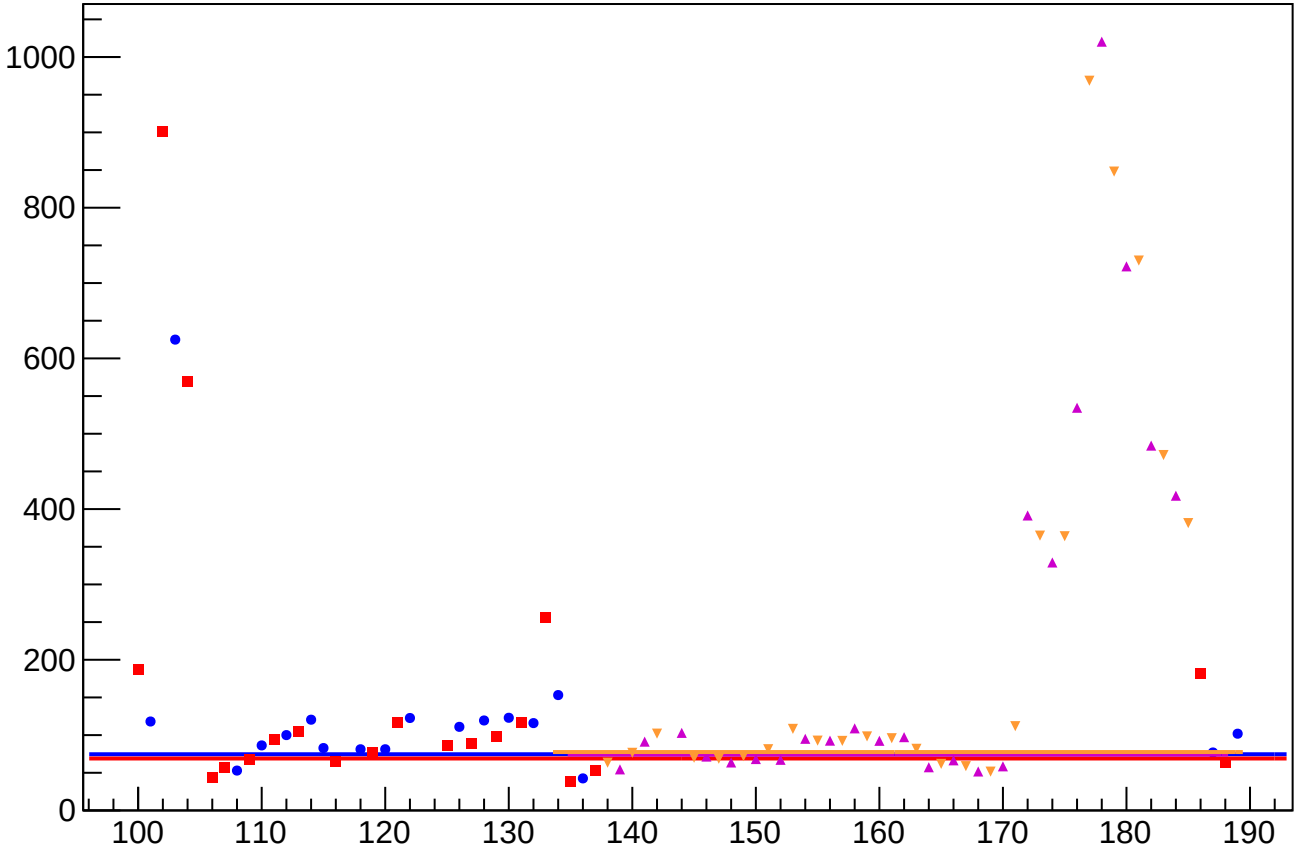
Right: -0.029+/-0.021 χ^2/NDF: 27.1/37

In: 0.009+/-0.017 χ^2/NDF:25.9/40

Out: -0.061+/-0.018 χ^2/NDF:37.1/43

All: -0.026+/-0.012 χ^2/NDF: 70.8/84

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 74.582+/-0.022 χ^2/NDF: 2921670.8/17

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 68.968+/-0.020 χ^2/NDF: 3644860.8/19

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

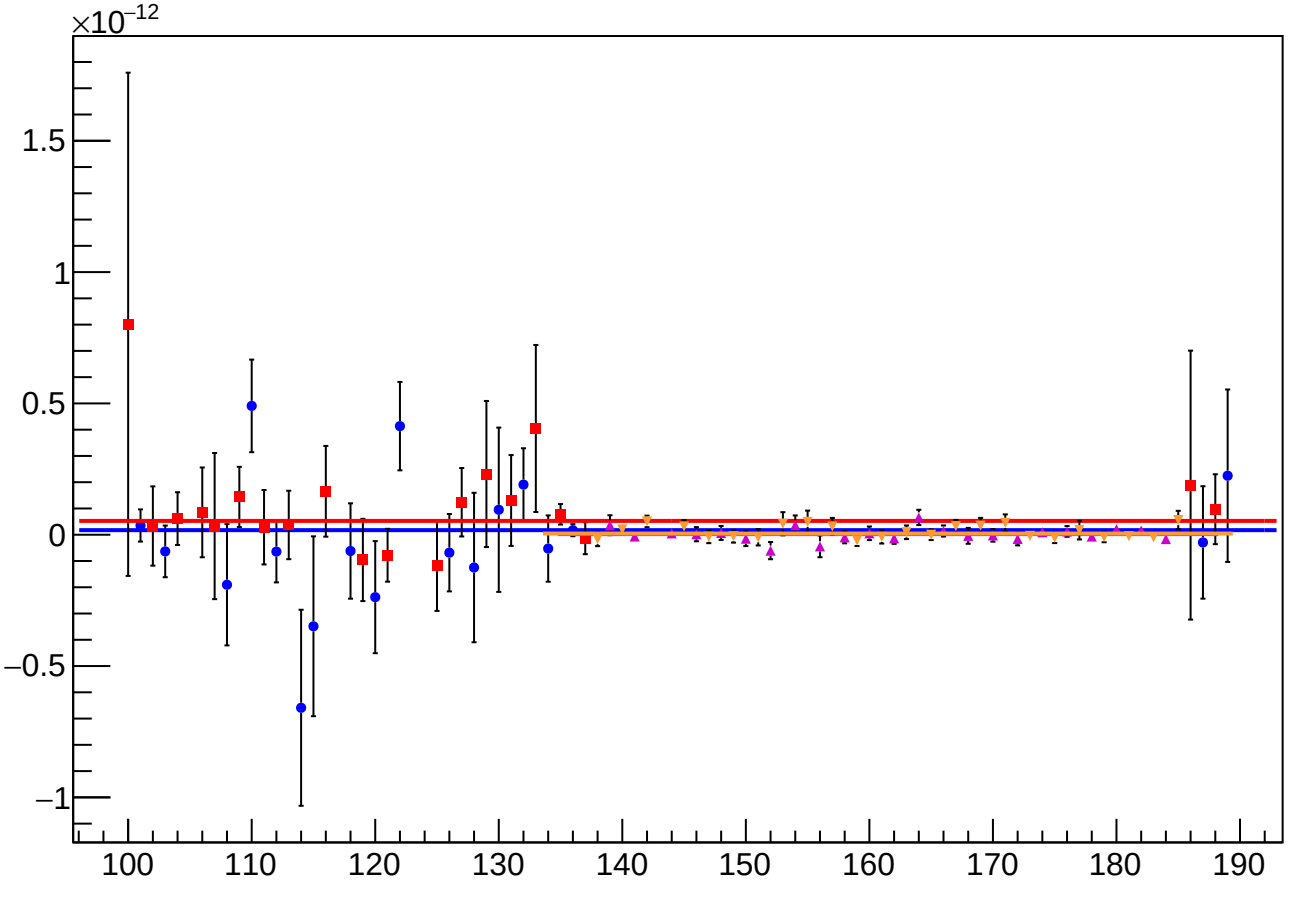
Right: 71.562+/-0.015 χ^2/NDF: 6601657.4/37

In: 74.333+/-0.012 χ^2/NDF:11435650.2/40

Out: 74.356+/-0.012 χ^2/NDF:12087320.1/43

All: 74.344+/-0.009 χ^2/NDF: 23522972.2/84

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9.3/19

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

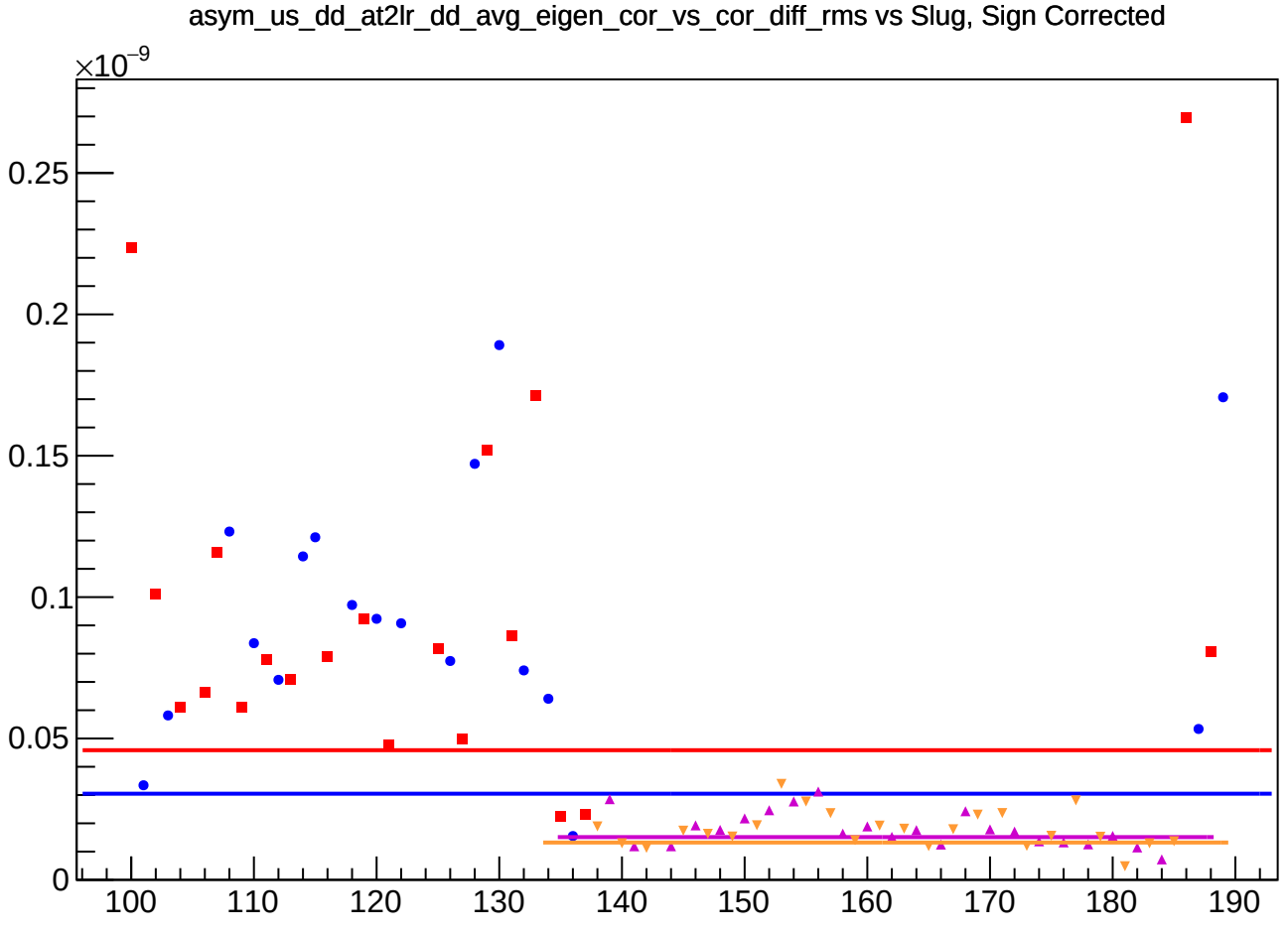
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 34.4/37

In: 0.000+/-0.000 χ^2/NDF:41.9/40

Out: 0.000+/-0.000 χ^2/NDF:34.7/43

All: 0.000+/-0.000 χ^2/NDF: 76.8/84



Right In: 0.000+/-0.000 χ^2/NDF: 4469830.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3306819.3/19

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

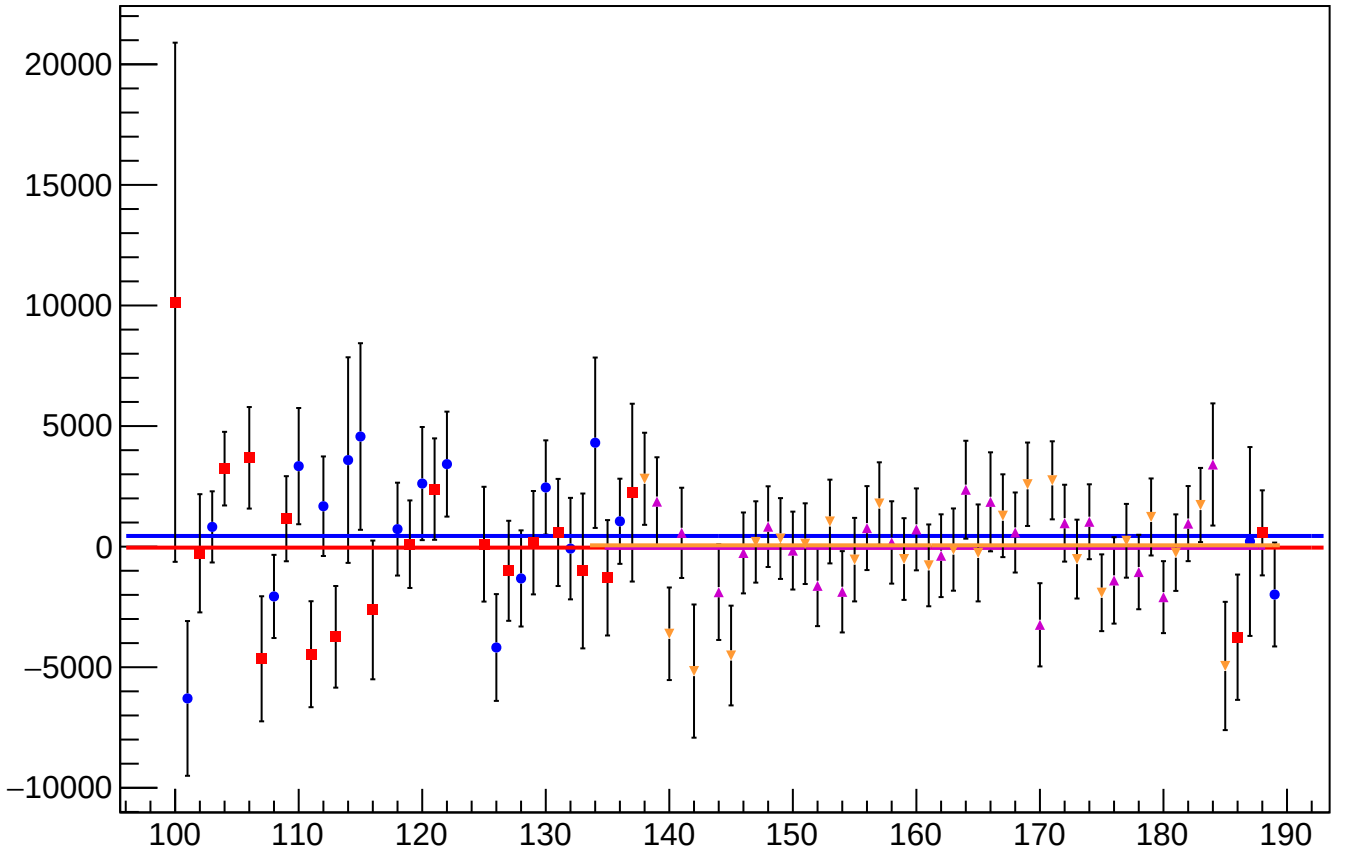
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 8268315.9/37

In: 0.000+/-0.000 χ^2/NDF:7822310.2/40

Out: 0.000+/-0.000 χ^2/NDF:11029943.2/43

All: 0.000+/-0.000 χ^2/NDF: 19013709.3/84



Right In: 443.037+/-519.204 χ^2/NDF: 21.7/17

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -40.309+/-498.318 χ^2/NDF: 24.7/19

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

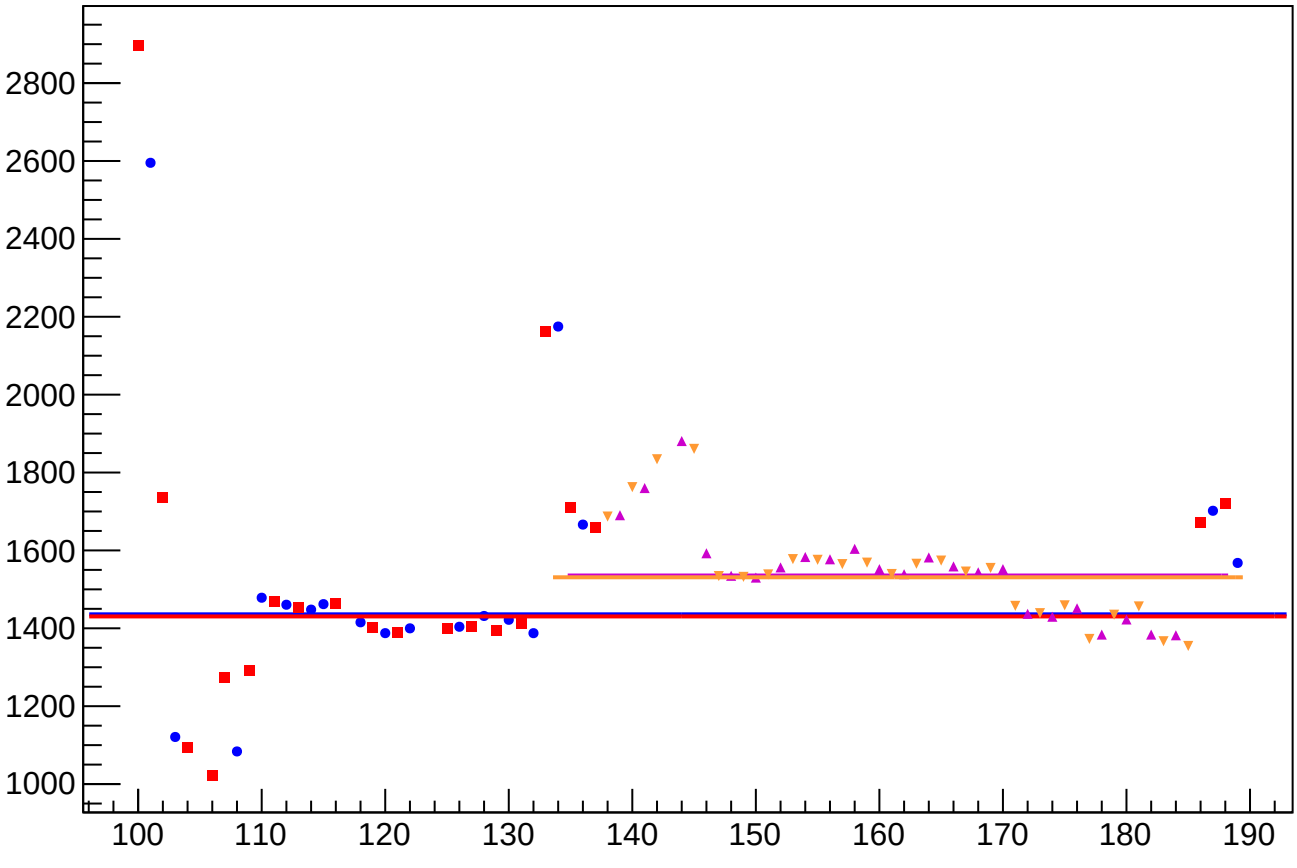
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 191.447+/-359.521 χ^2/NDF: 46.9/37

In: 111.026+/-295.581 χ^2/NDF:39.1/40

Out: 22.597+/-289.875 χ^2/NDF:53.2/43

All: 65.950+/-206.961 χ^2/NDF: 92.3/84



Right In: 1435.877+/-0.367 χ^2/NDF: 578224.9/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1430.498+/-0.352 χ^2/NDF: 474652.3/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

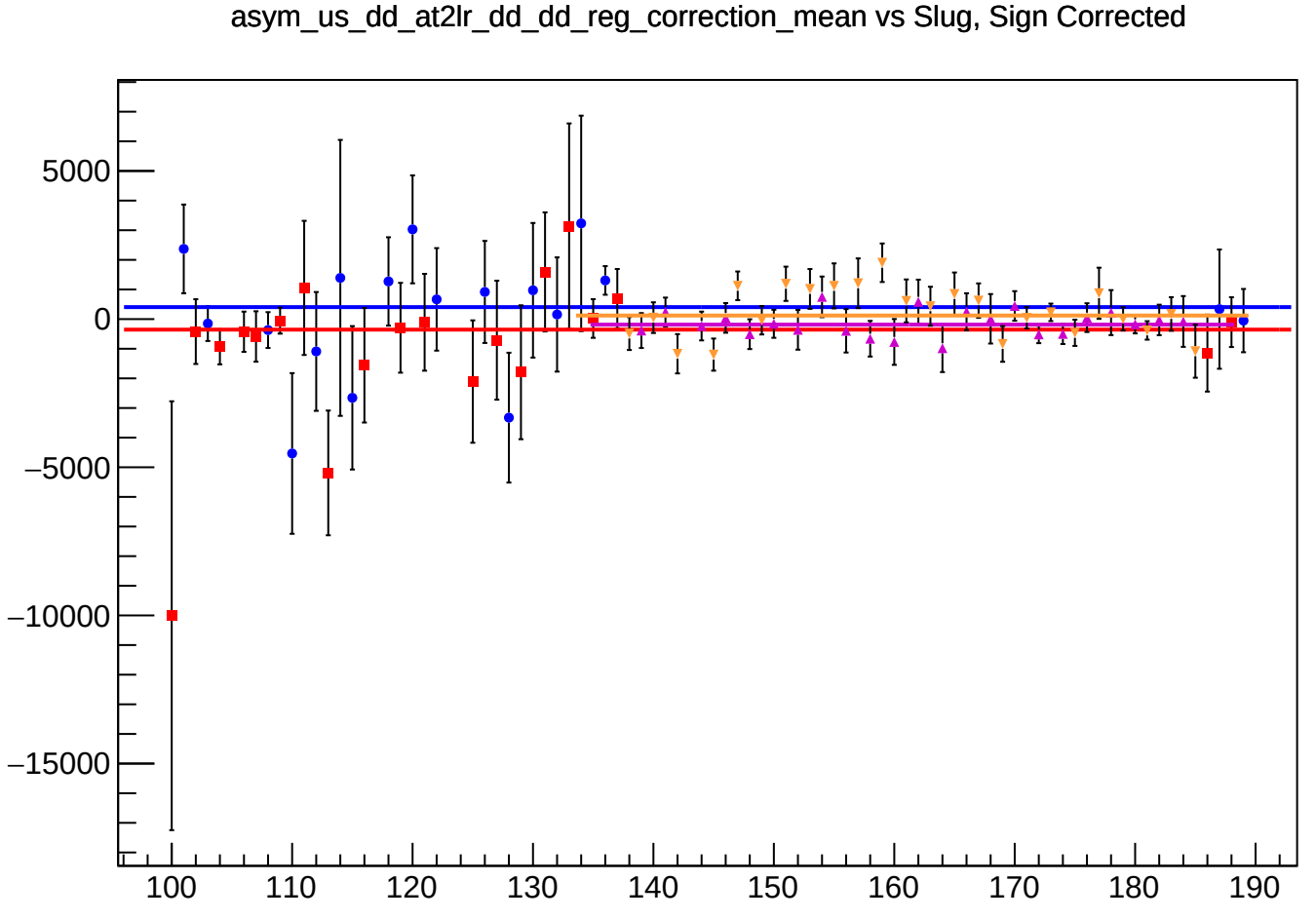
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1433.077+/-0.254 χ^2/NDF: 1052988.9/37

In: 1503.247+/-0.209 χ^2/NDF:820477.0/40

Out: 1496.976+/-0.205 χ^2/NDF:731989.6/43

All: 1500.050+/-0.146 χ^2/NDF: 1552925.5/84



Right In: 404.856+/-264.817 χ^2/NDF: 19.5/17

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -354.708+/-221.888 χ^2/NDF: 14.4/19

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

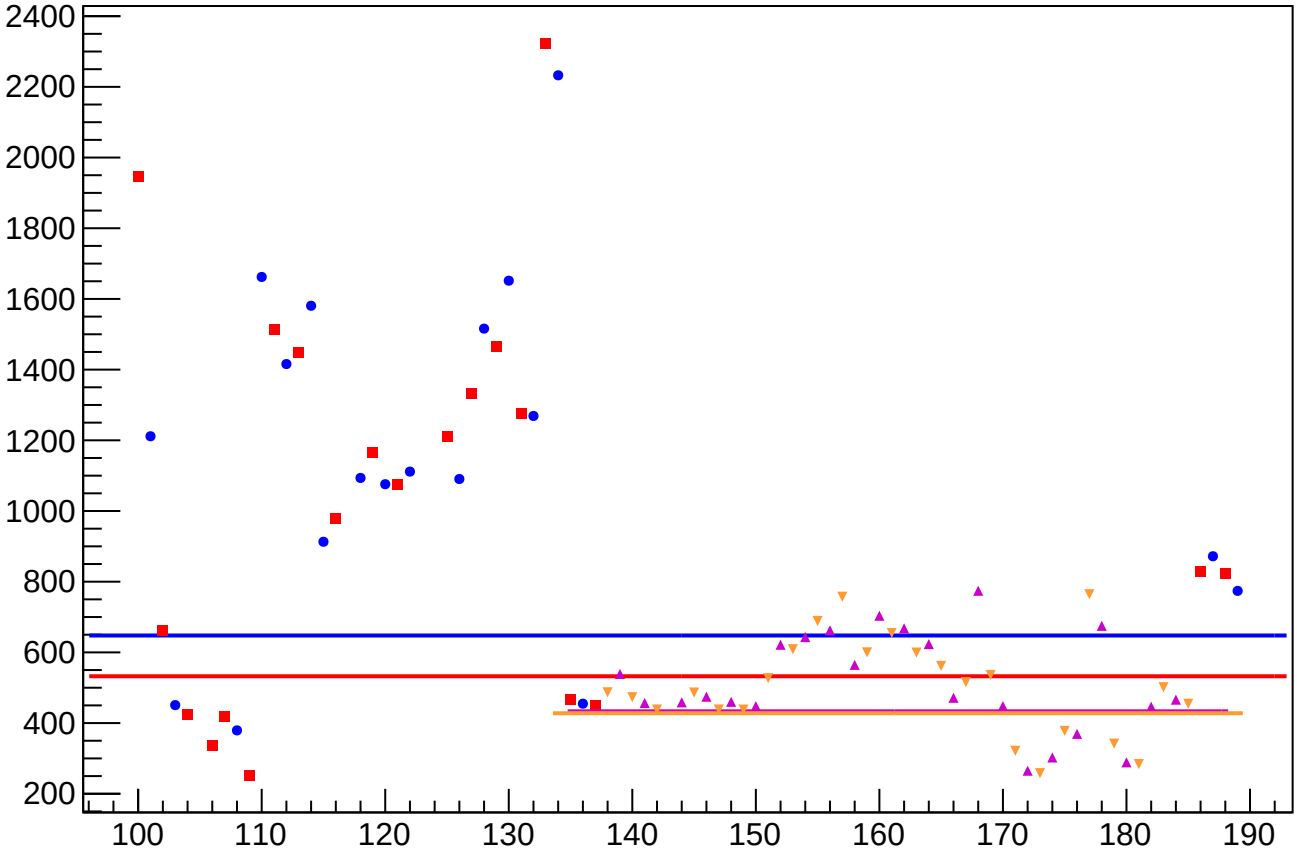
Right: -41.405+/-170.077 χ^2/NDF: 38.8/37

In: -103.820+/-99.188 χ^2/NDF:35.4/40

Out: 34.151+/-94.954 χ^2/NDF:61.8/43

All: -31.827+/-68.591 χ^2/NDF: 98.2/84

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 647.781+/-0.187 χ^2/NDF: 3809576.1/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 532.428+/-0.157 χ^2/NDF: 4692907.5/19

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

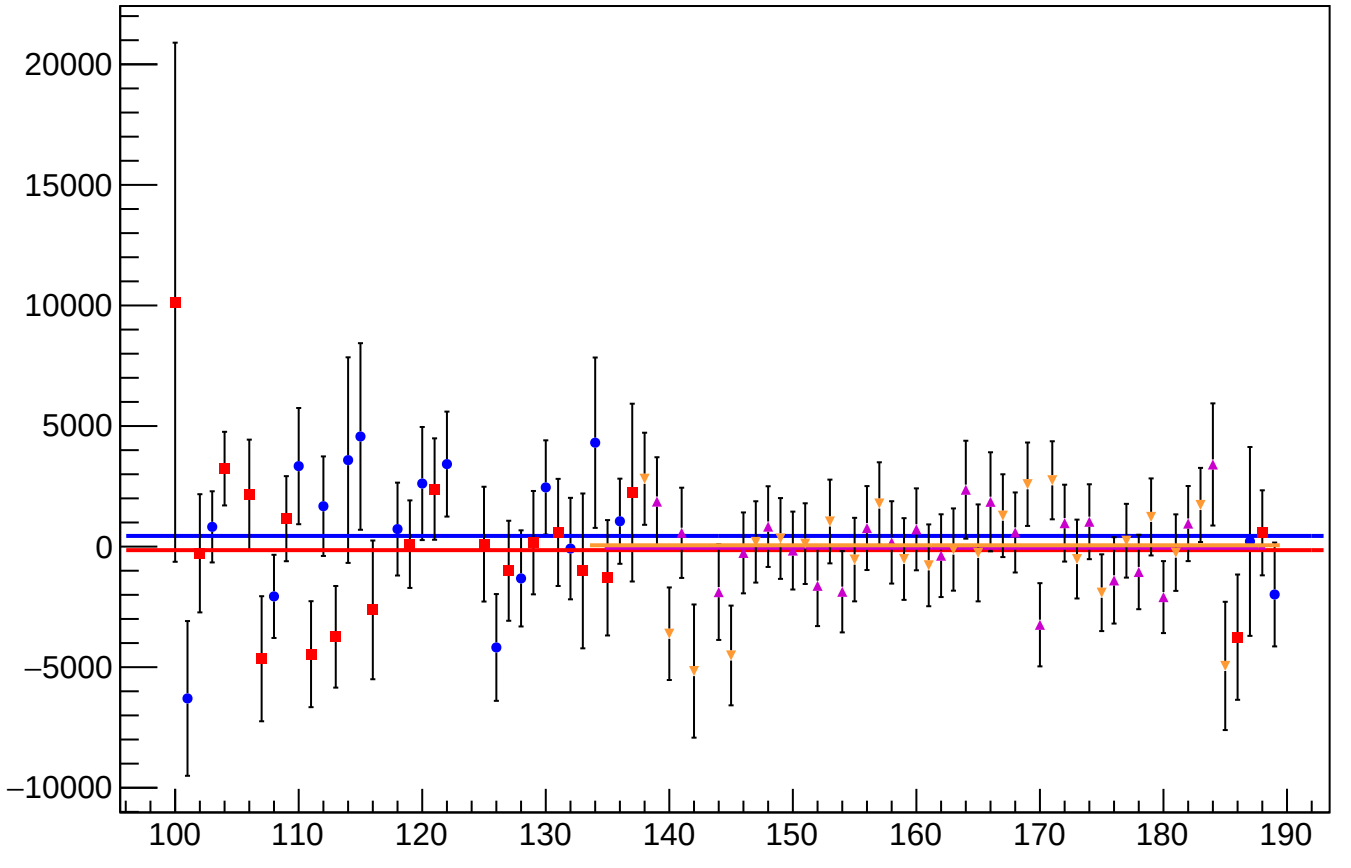
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 580.008+/-0.120 χ^2/NDF: 8725437.6/37

In: 463.375+/-0.070 χ^2/NDF:8185636.1/40

Out: 446.972+/-0.067 χ^2/NDF:8244223.4/43

All: 454.816+/-0.049 χ^2/NDF: 16458399.6/84



Right In: 442.921+/-519.204 χ^2/NDF: 21.7/17

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -146.561+/-500.492 χ^2/NDF: 22.5/19

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

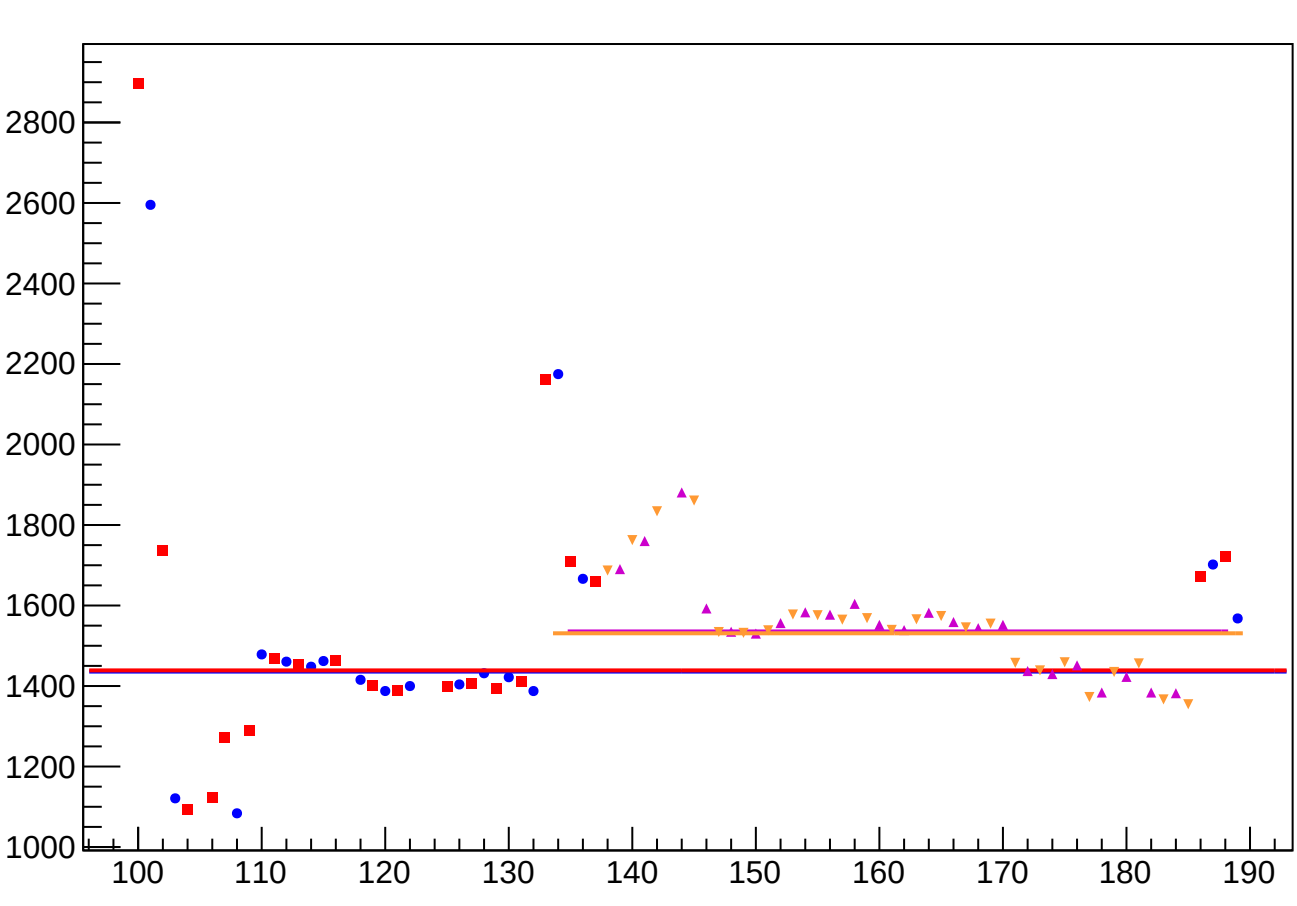
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 137.366+/-360.335 χ^2/NDF: 44.8/37

In: 110.934+/-295.581 χ^2/NDF:39.1/40

Out: -12.989+/-290.301 χ^2/NDF:51.1/43

All: 47.856+/-207.115 χ^2/NDF: 90.2/84



Right In: 1435.877+/-0.367 χ^2/NDF: 578225.1/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1438.800+/-0.354 χ^2/NDF: 435402.8/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

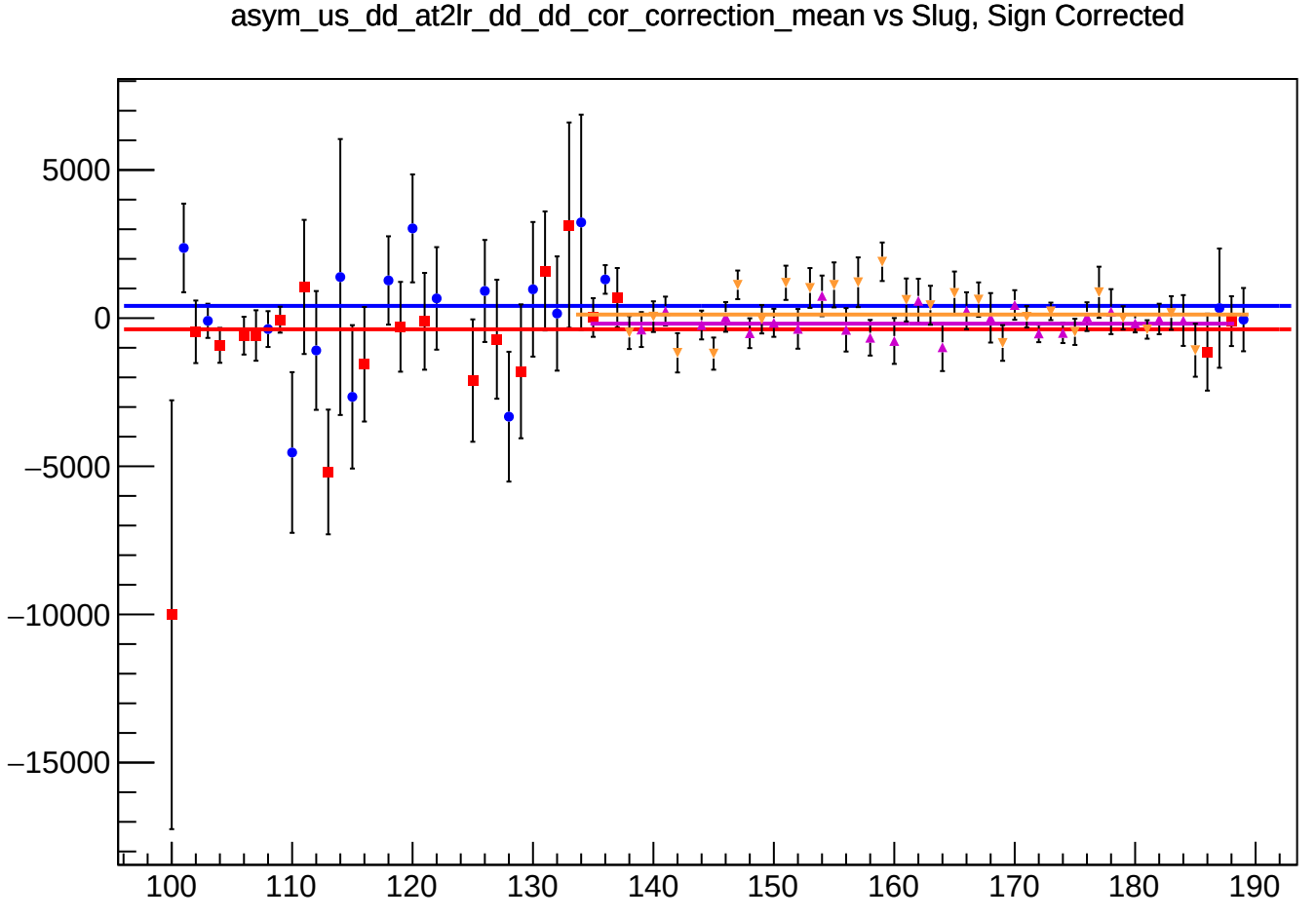
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1437.392+/-0.255 χ^2/NDF: 1013660.7/37

In: 1503.247+/-0.209 χ^2/NDF:820477.4/40

Out: 1499.964+/-0.205 χ^2/NDF:683957.2/43

All: 1501.576+/-0.146 χ^2/NDF: 1504560.1/84



Right In: 413.027+/-263.774 χ^2/NDF: 19.4/17

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -376.237+/-219.839 χ^2/NDF: 14.5/19

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

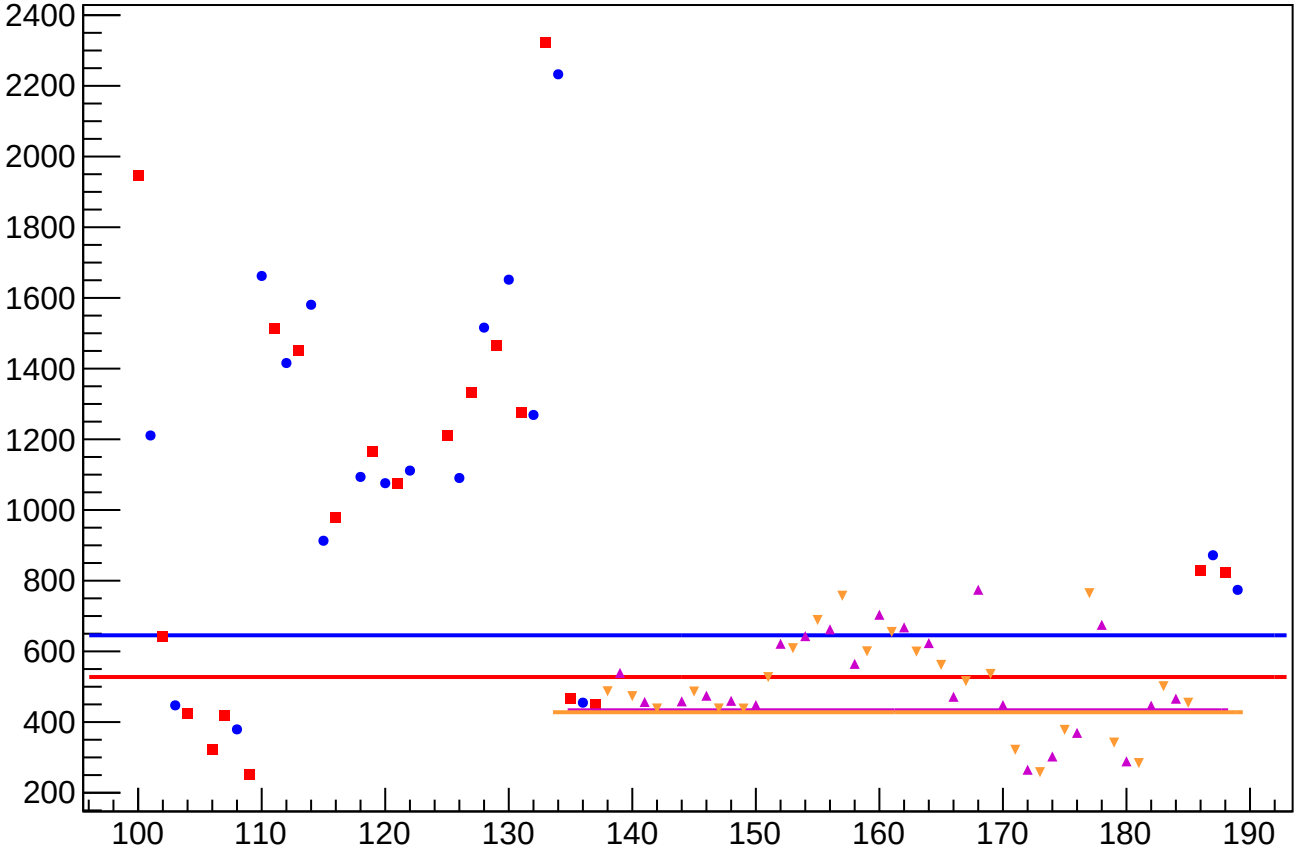
Right: -52.720+/-168.877 χ^2/NDF: 39.1/37

In: -102.281+/-99.133 χ^2/NDF:35.4/40

Out: 28.817+/-94.792 χ^2/NDF:62.3/43

All: -33.798+/-68.511 χ^2/NDF: 98.6/84

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.486+/-0.187 χ^2/NDF: 3826356.7/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 527.456+/-0.155 χ^2/NDF: 4733628.5/19

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

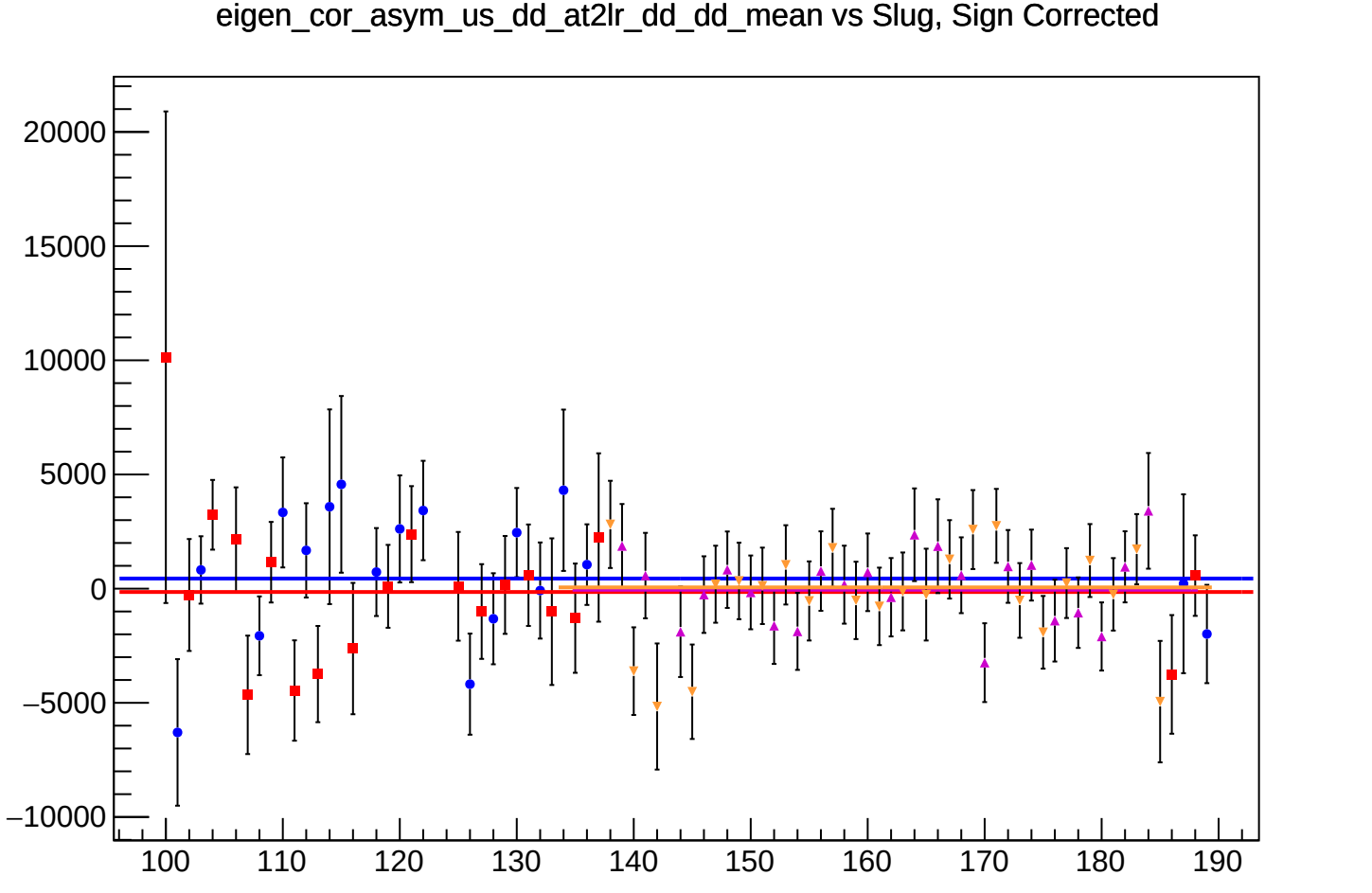
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

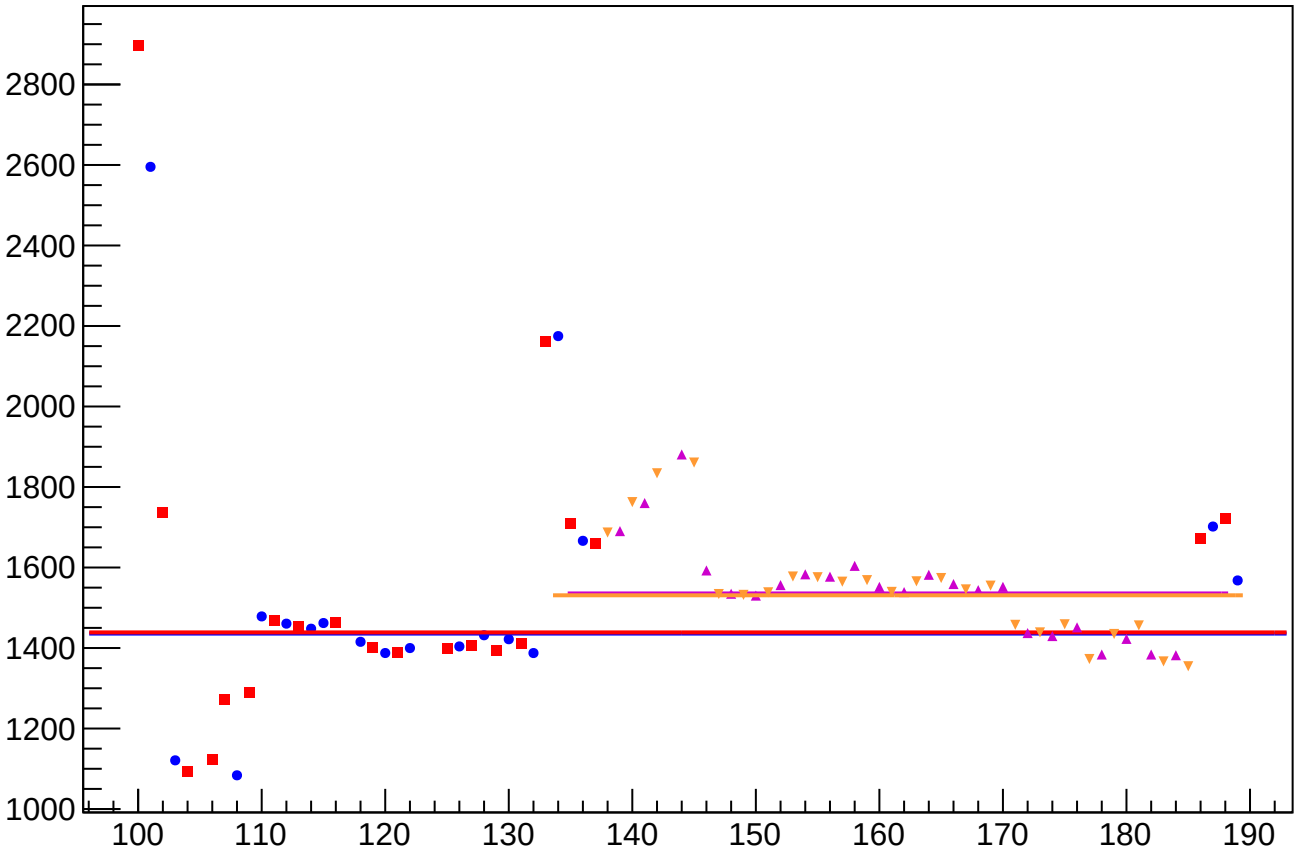
Right: 575.836+/-0.119 χ^2/NDF: 8796291.3/37

In: 463.257+/-0.070 χ^2/NDF:8185776.9/40

Out: 446.340+/-0.067 χ^2/NDF:8256504.2/43

All: 454.420+/-0.048 χ^2/NDF: 16472707.2/84


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 442.921+/-519.204 χ²/NDF: 21.7/17
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -146.561+/-500.492 χ²/NDF: 22.5/19
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 137.366+/-360.335 χ²/NDF: 44.8/37
In: 110.934+/-295.581 χ²/NDF:39.1/40
Out: -12.989+/-290.301 χ²/NDF:51.1/43
All: 47.856+/-207.115 χ²/NDF: 90.2/84



Right In: 1435.877+/-0.367 χ^2/NDF: 578225.1/17

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1438.800+/-0.354 χ^2/NDF: 435402.8/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

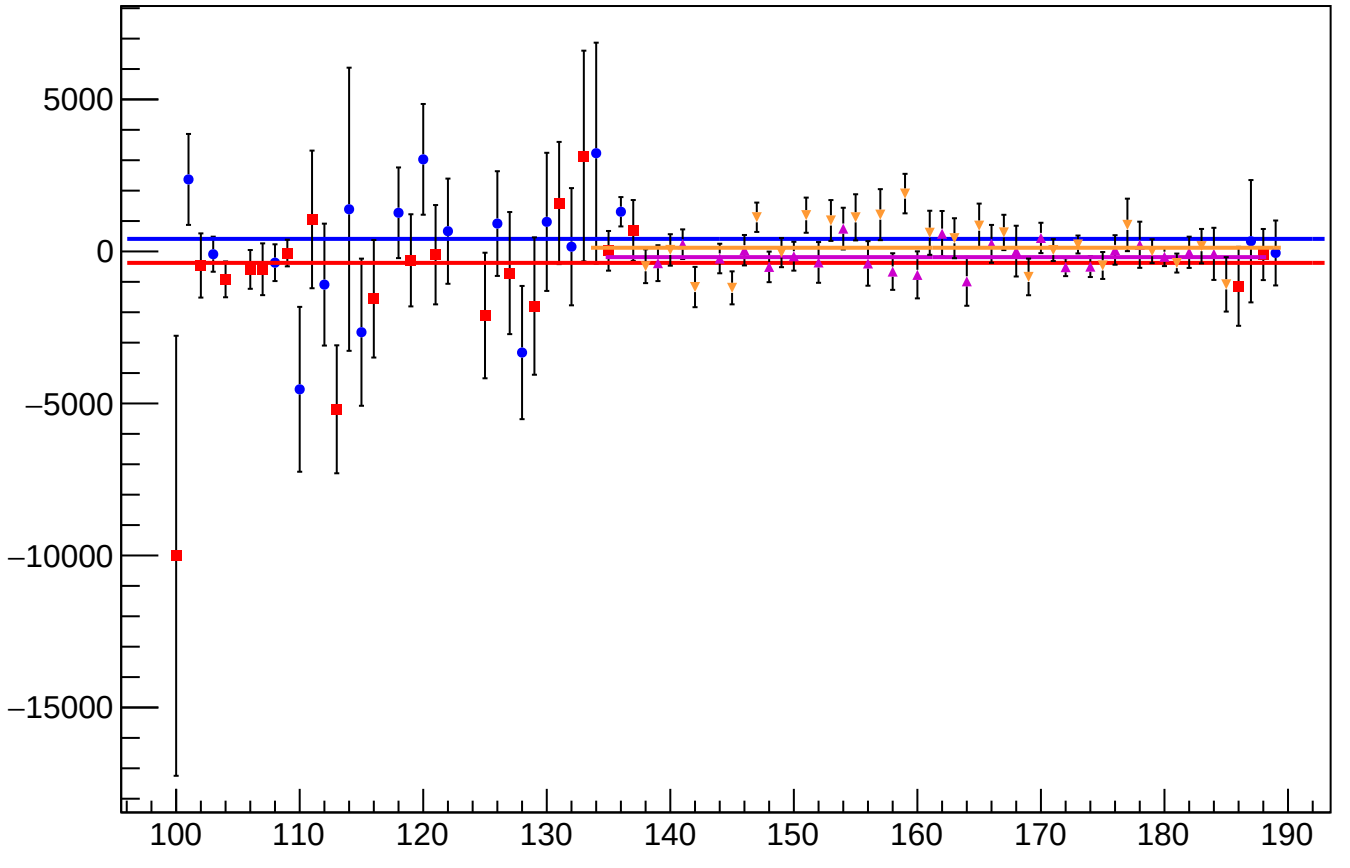
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1437.392+/-0.255 χ^2/NDF: 1013660.7/37

In: 1503.247+/-0.209 χ^2/NDF:820477.4/40

Out: 1499.964+/-0.205 χ^2/NDF:683957.2/43

All: 1501.576+/-0.146 χ^2/NDF: 1504560.1/84



Right In: 413.027+/-263.774 χ^2/NDF: 19.4/17

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -376.237+/-219.839 χ^2/NDF: 14.5/19

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

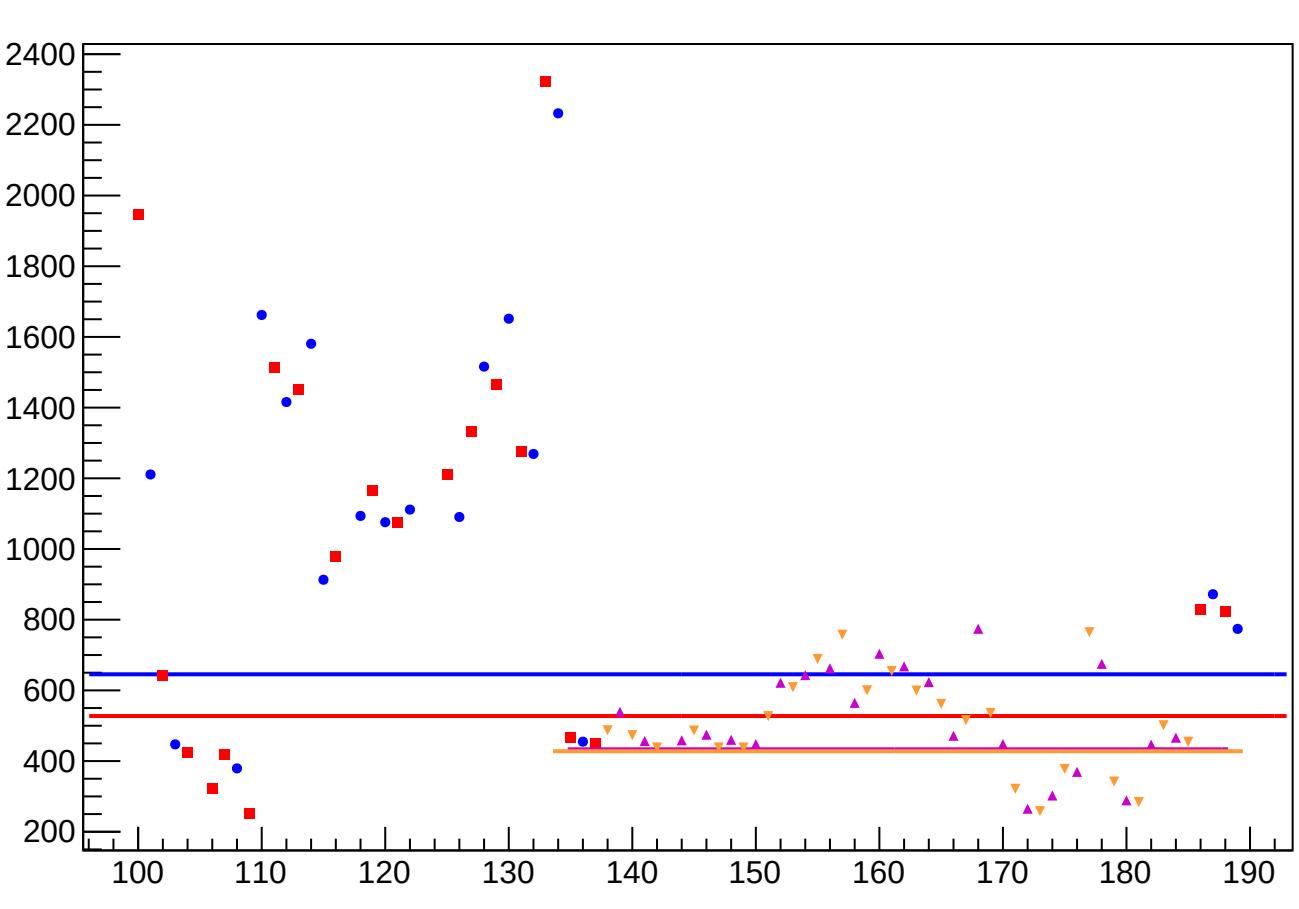
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: -52.720+/-168.877 χ^2/NDF: 39.1/37

In: -102.281+/-99.133 χ^2/NDF:35.4/40

Out: 28.817+/-94.792 χ^2/NDF:62.3/43

All: -33.798+/-68.511 χ^2/NDF: 98.6/84



Right In: 645.486+/-0.187 χ^2/NDF: 3826356.7/17

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 527.456+/-0.155 χ^2/NDF: 4733628.5/19

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

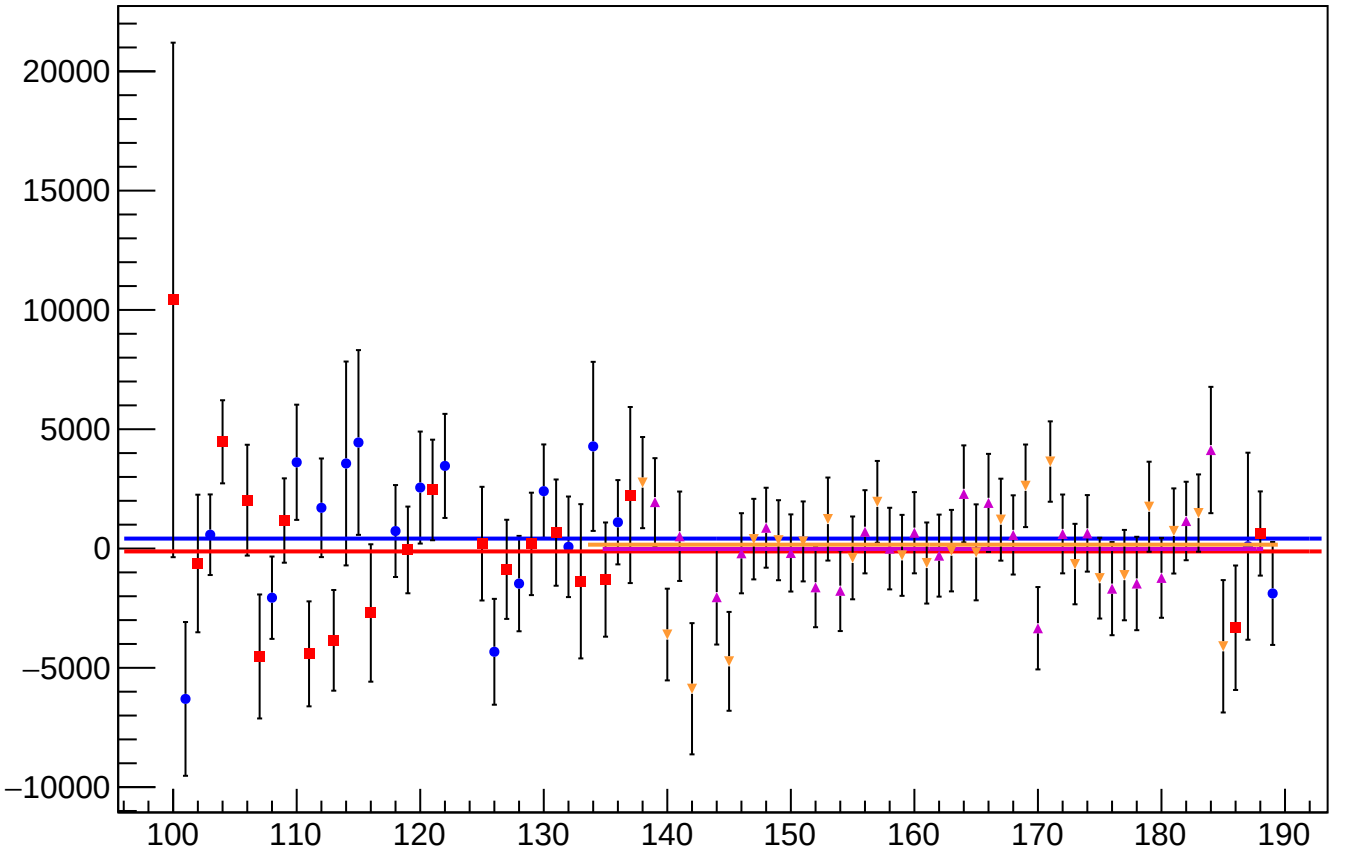
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 575.836+/-0.119 χ^2/NDF: 8796291.3/37

In: 463.257+/-0.070 χ^2/NDF:8185776.9/40

Out: 446.340+/-0.067 χ^2/NDF:8256504.2/43

All: 454.420+/-0.048 χ^2/NDF: 16472707.2/84



Right In: 416.629+/-527.764 χ^2/NDF: 22.0/17

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -121.784+/-510.944 χ^2/NDF: 24.2/19

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

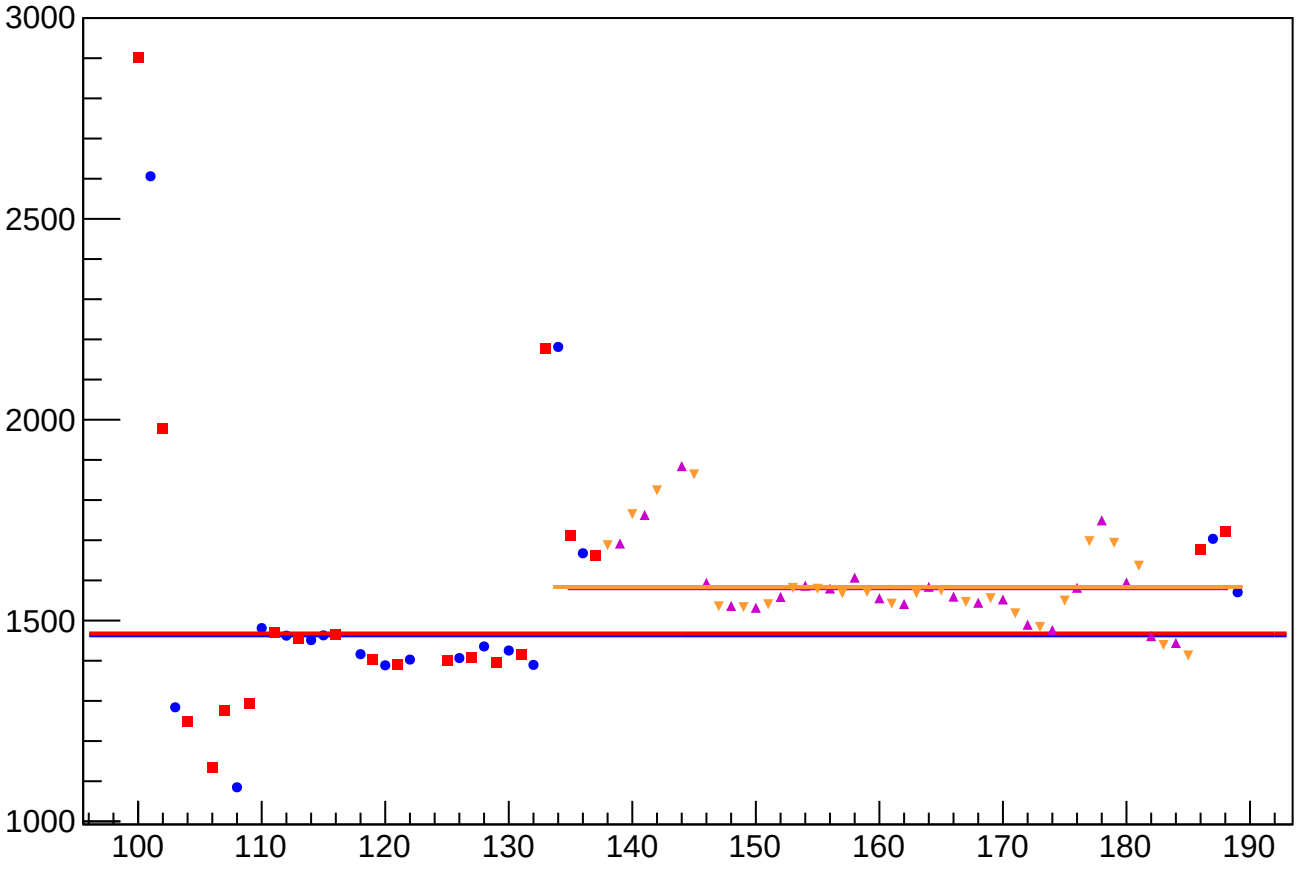
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 138.706+/-367.094 χ^2/NDF: 46.8/37

In: 123.601+/-302.843 χ^2/NDF:38.4/40

Out: 64.675+/-298.806 χ^2/NDF:54.3/43

All: 93.743+/-212.701 χ^2/NDF: 92.8/84



Right In: 1463.262+/-0.373 χ^2/NDF: 501188.5/17

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1467.853+/-0.361 χ^2/NDF: 390867.6/19

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

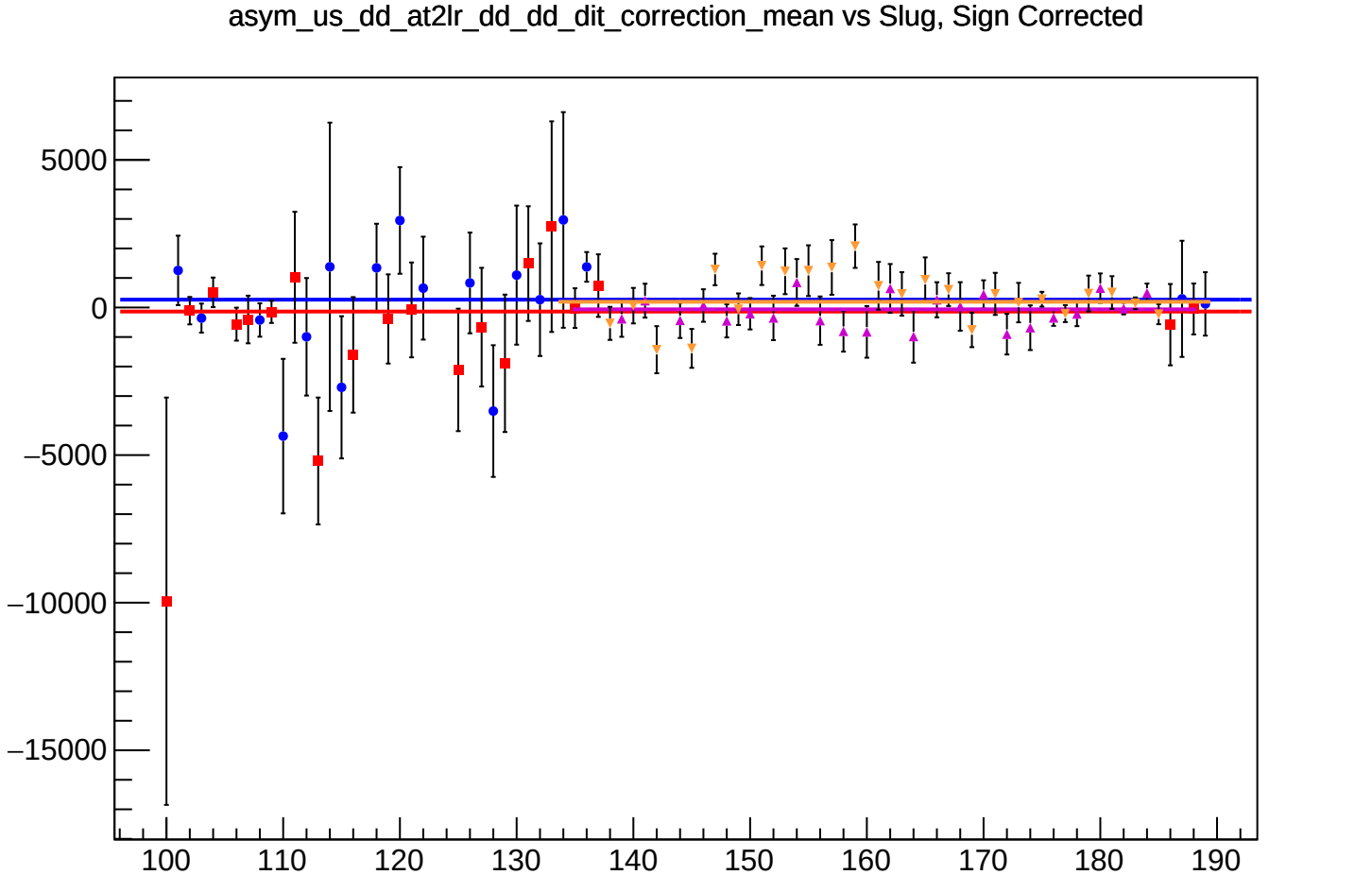
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1465.632+/-0.260 χ^2/NDF: 892134.2/37

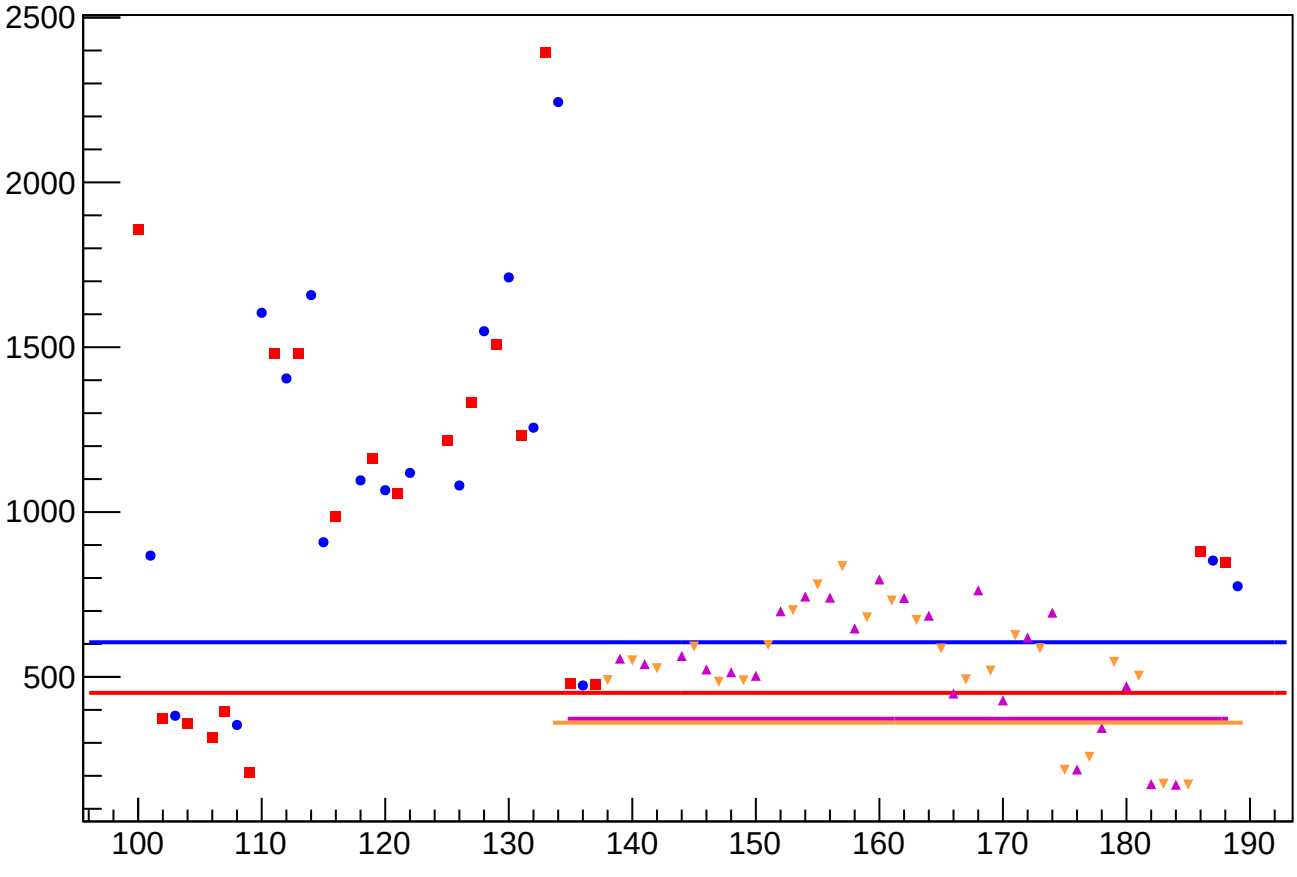
In: 1541.873+/-0.214 χ^2/NDF:693090.1/40

Out: 1544.062+/-0.211 χ^2/NDF:592070.6/43

All: 1542.982+/-0.150 χ^2/NDF: 1285213.7/84


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 265.458+/-251.122 χ²/NDF: 20.2/17
Left Out: 193.307+/-95.894 χ²/NDF:40.1/23
Right Out: -137.070+/-189.256 χ²/NDF: 14.5/19
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: 8.740+/-151.140 χ²/NDF: 36.4/37
In: -17.557+/-92.678 χ²/NDF:38.7/40
Out: 125.816+/-85.540 χ²/NDF:57.0/43
All: 59.863+/-62.858 χ²/NDF: 97.1/84

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.091+/-0.178 χ^2/NDF: 3973313.4/17

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 451.619+/-0.134 χ^2/NDF: 5512461.3/19

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

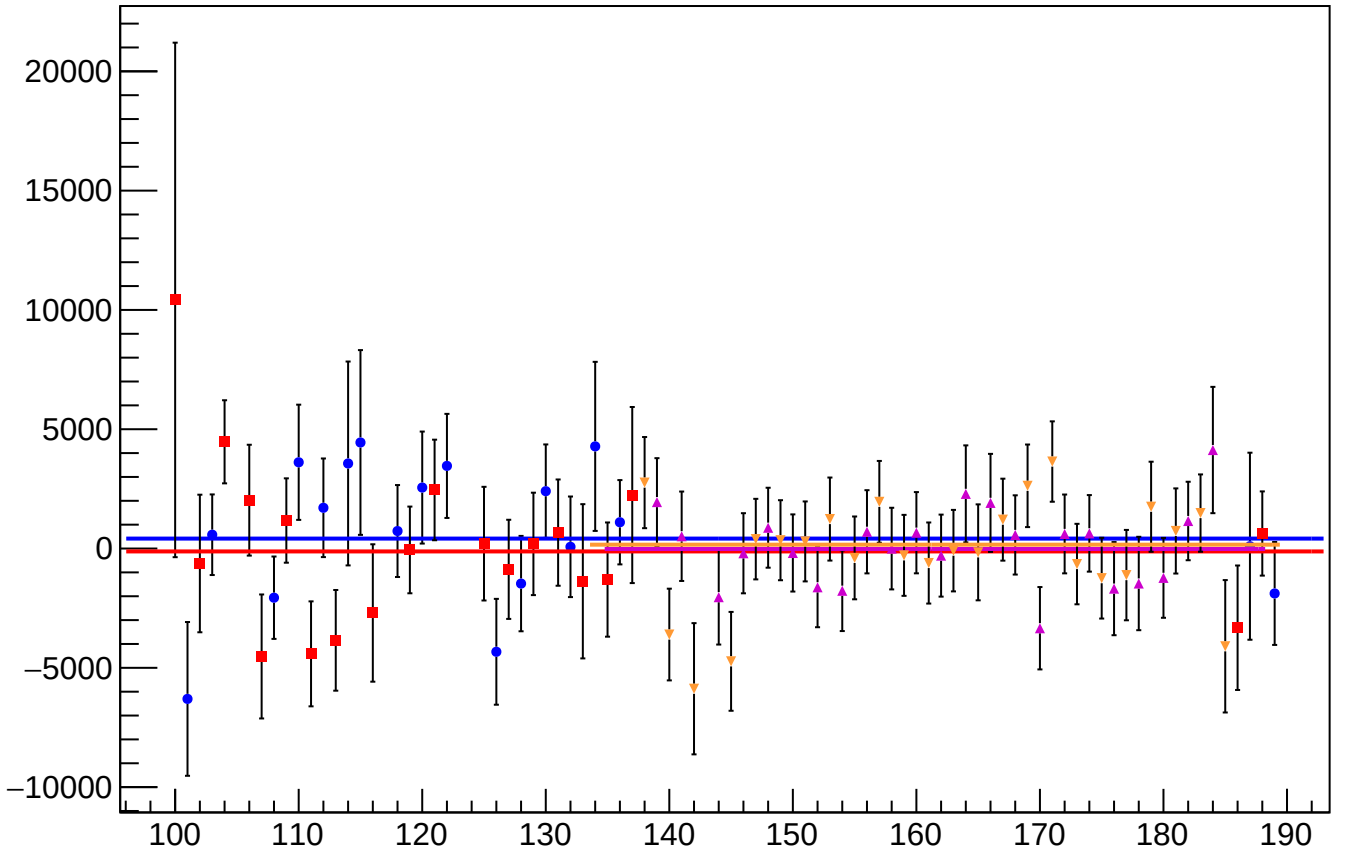
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 507.212+/-0.107 χ^2/NDF: 9962180.2/37

In: 404.732+/-0.066 χ^2/NDF:13654559.7/40

Out: 379.591+/-0.060 χ^2/NDF:14059645.7/43

All: 391.157+/-0.044 χ^2/NDF: 27793678.4/84



Right In: 416.629+/-527.764 χ^2/NDF: 22.0/17

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -121.783+/-510.944 χ^2/NDF: 24.2/19

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

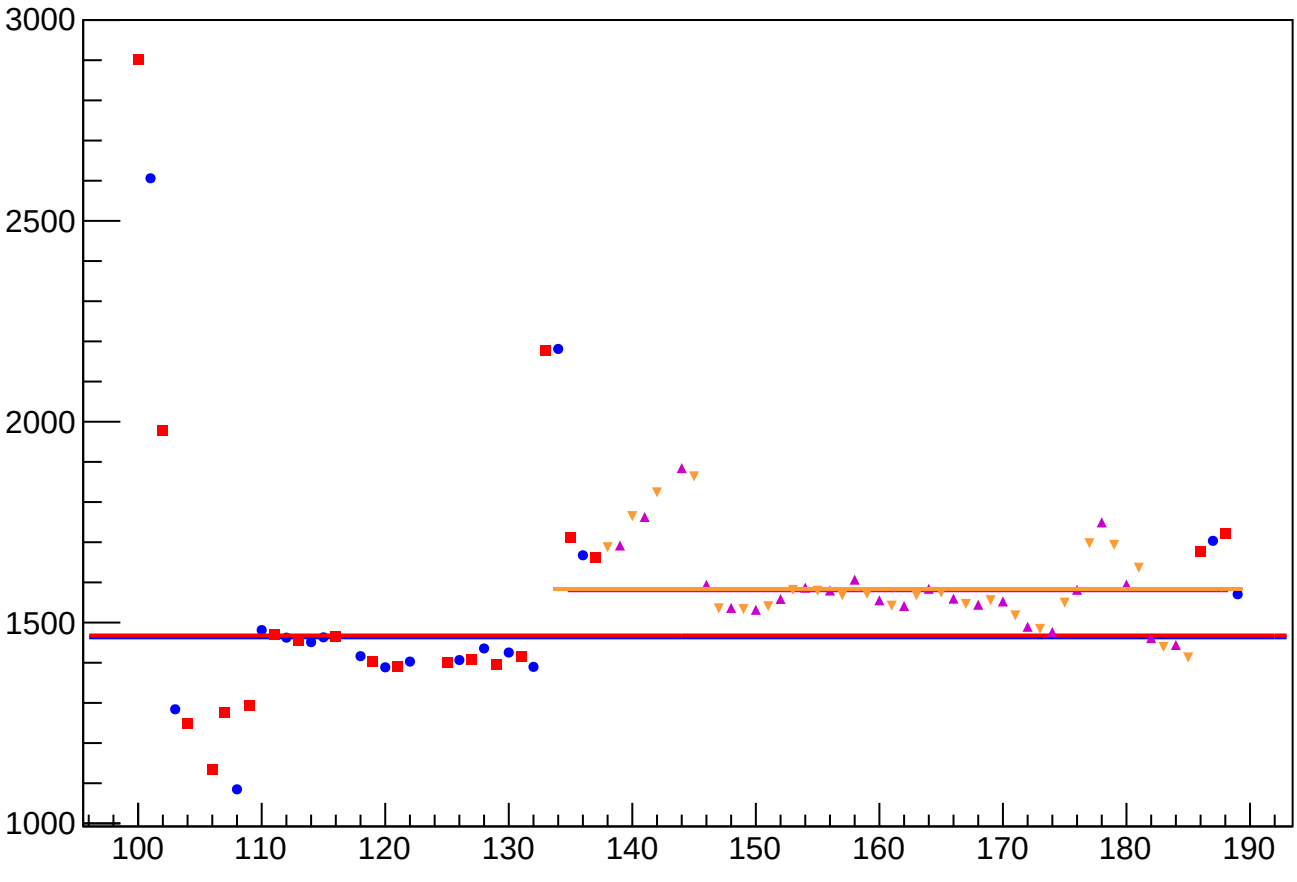
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 138.707+/-367.094 χ^2/NDF: 46.8/37

In: 123.602+/-302.843 χ^2/NDF:38.4/40

Out: 64.673+/-298.806 χ^2/NDF:54.3/43

All: 93.742+/-212.701 χ^2/NDF: 92.8/84



Right In: 1463.262+/-0.373 χ^2/NDF: 501188.1/17

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1467.853+/-0.361 χ^2/NDF: 390867.8/19

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

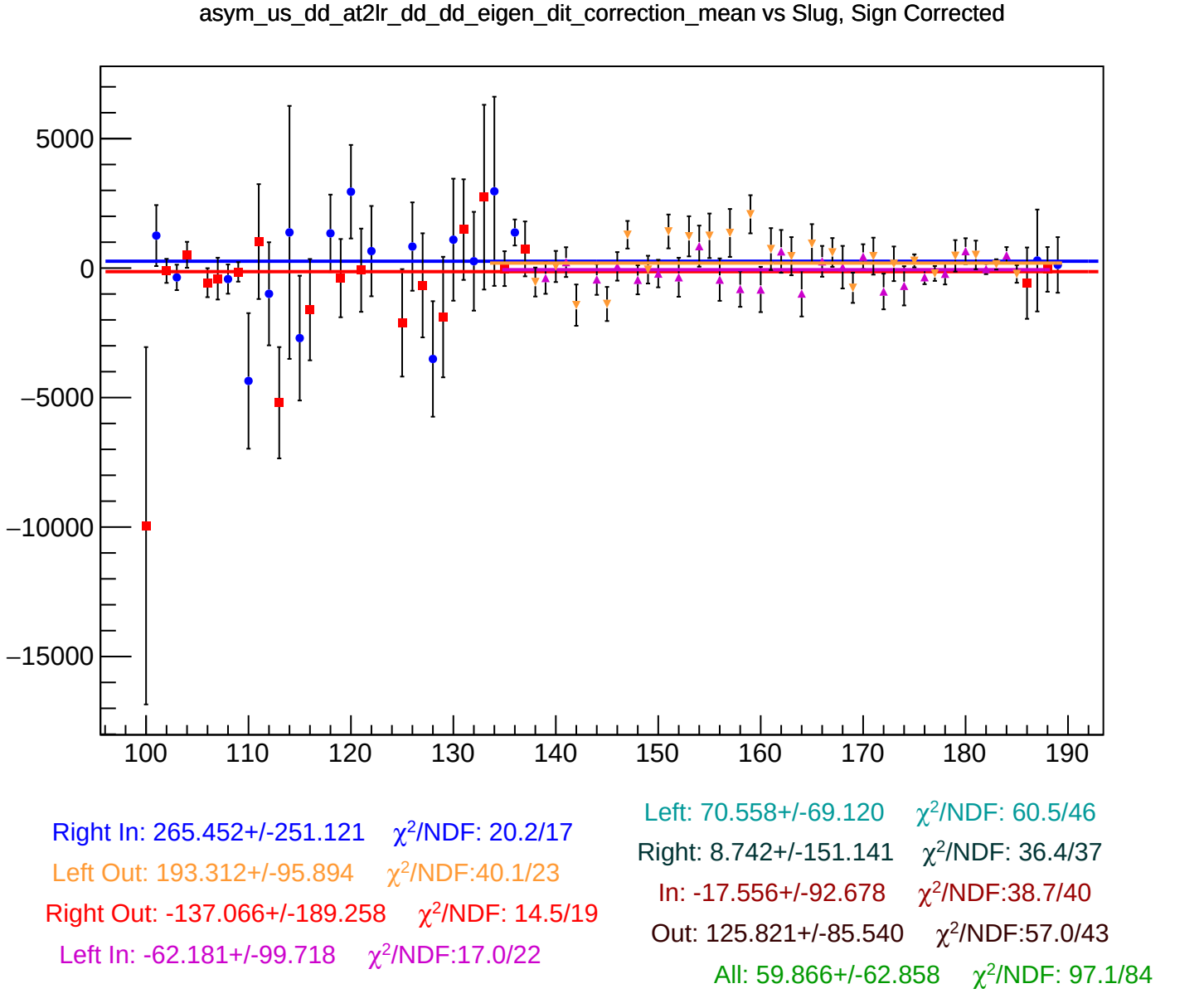
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1465.632+/-0.260 χ^2/NDF: 892134.0/37

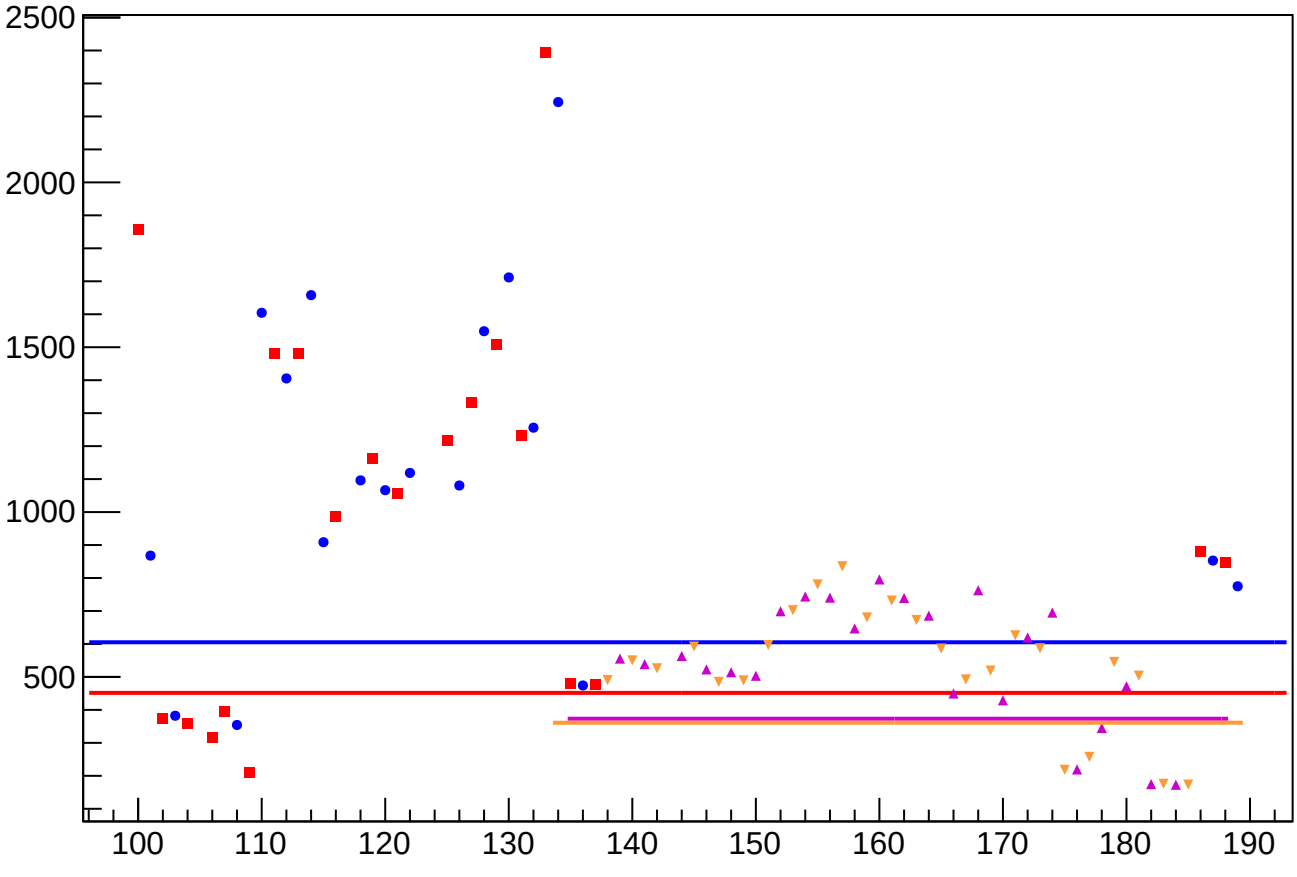
In: 1541.873+/-0.214 χ^2/NDF:693089.3/40

Out: 1544.062+/-0.211 χ^2/NDF:592070.8/43

All: 1542.982+/-0.150 χ^2/NDF: 1285213.1/84


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 265.452+/-251.121 χ²/NDF: 20.2/17
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -137.066+/-189.258 χ²/NDF: 14.5/19
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: 8.742+/-151.141 χ²/NDF: 36.4/37
In: -17.556+/-92.678 χ²/NDF:38.7/40
Out: 125.821+/-85.540 χ²/NDF:57.0/43
All: 59.866+/-62.858 χ²/NDF: 97.1/84

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.089+/-0.178 χ^2/NDF: 3973350.2/17

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 451.625+/-0.134 χ^2/NDF: 5512386.8/19

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

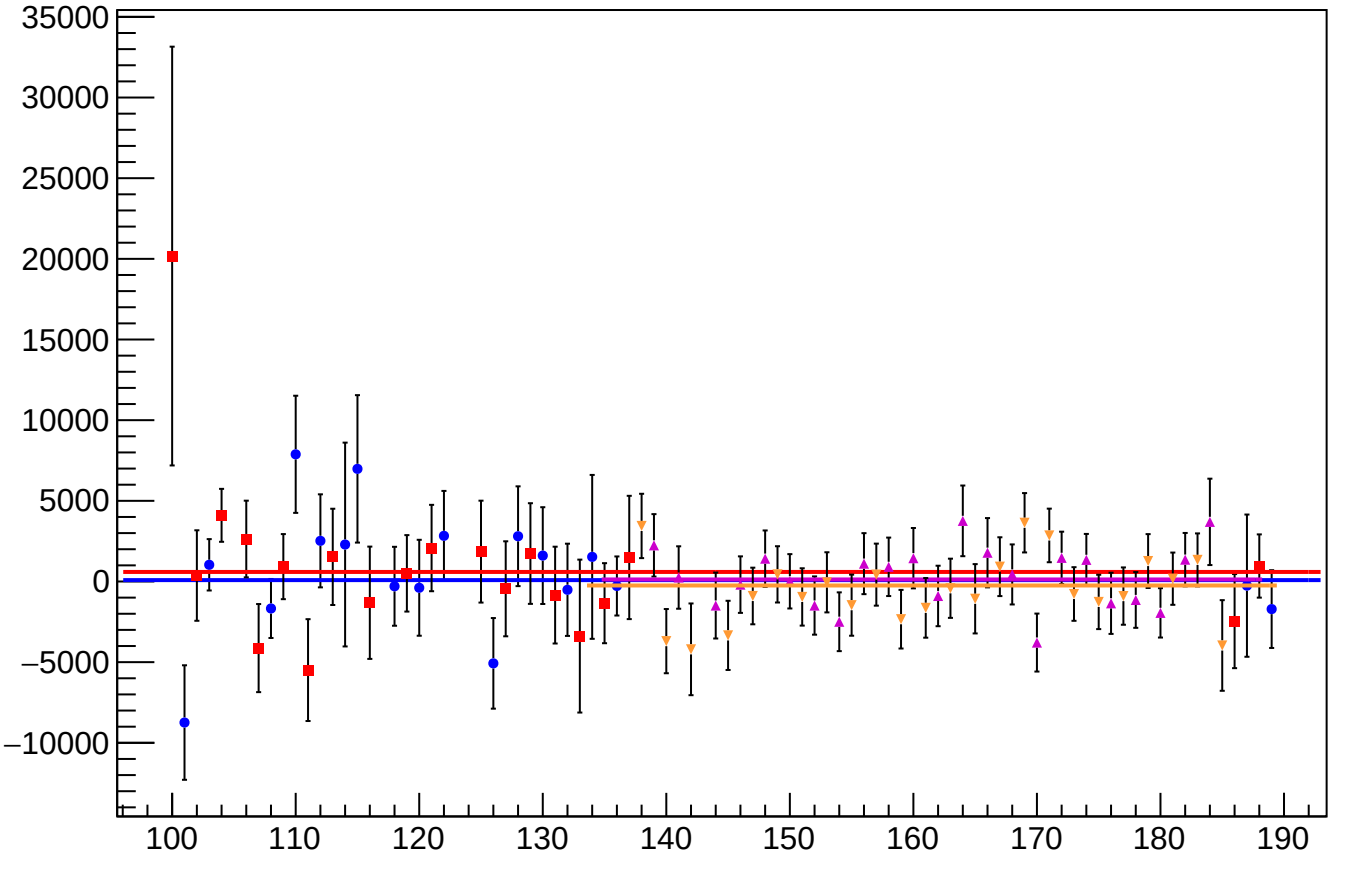
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 507.216+/-0.107 χ^2/NDF: 9962095.6/37

In: 404.737+/-0.066 χ^2/NDF:13654272.8/40

Out: 379.595+/-0.060 χ^2/NDF:14059426.3/43

All: 391.161+/-0.044 χ^2/NDF: 27793173.8/84



Right In: 85.677+/-635.451 χ^2/NDF: 21.3/17

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 591.901+/-602.255 χ^2/NDF: 18.2/19

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

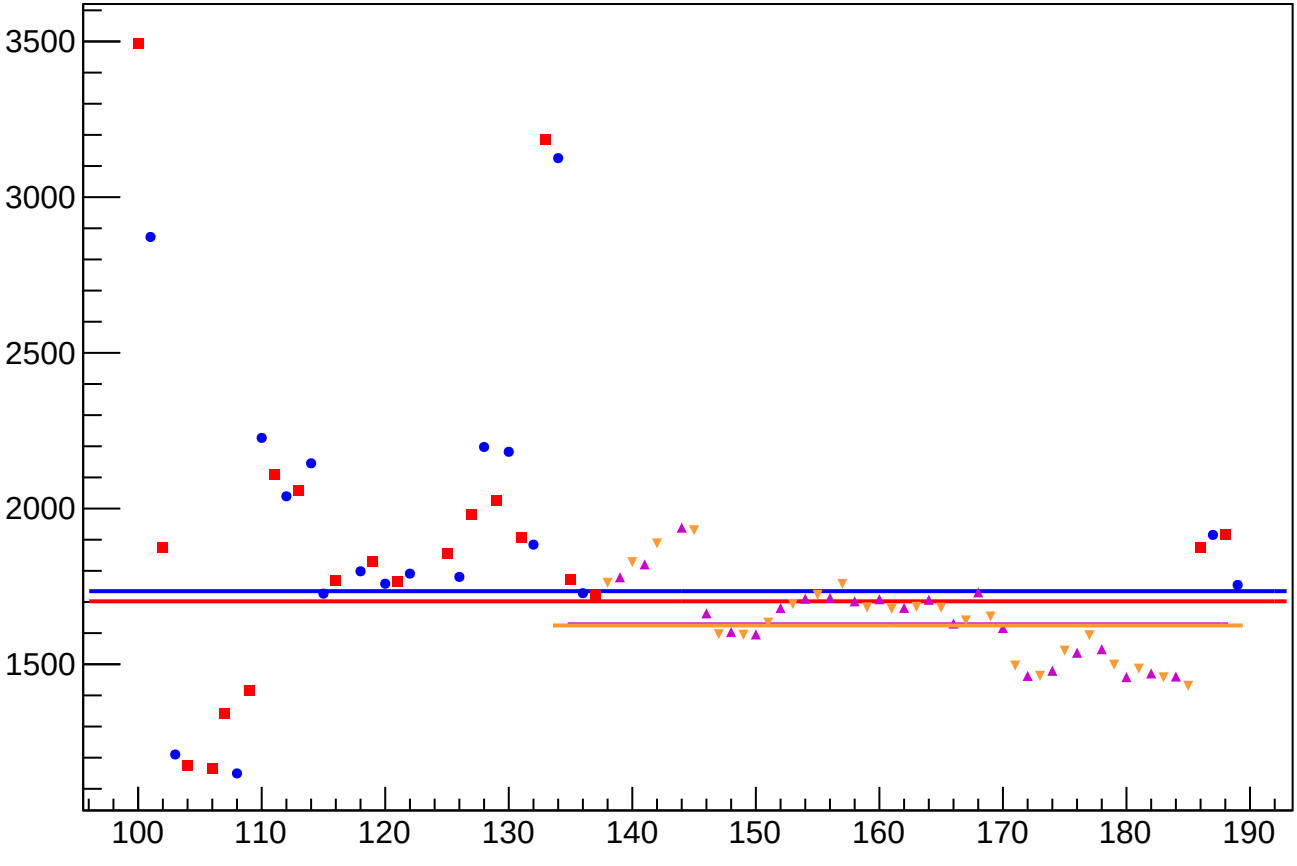
Right: 352.357+/-437.123 χ^2/NDF: 39.9/37

In: 115.409+/-326.959 χ^2/NDF:42.6/40

Out: -9.799+/-320.299 χ^2/NDF:45.6/43

All: 51.517+/-228.804 χ^2/NDF: 88.2/84

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1734.705+/-0.449 χ^2/NDF: 945721.5/17

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1702.099+/-0.426 χ^2/NDF: 780376.3/19

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

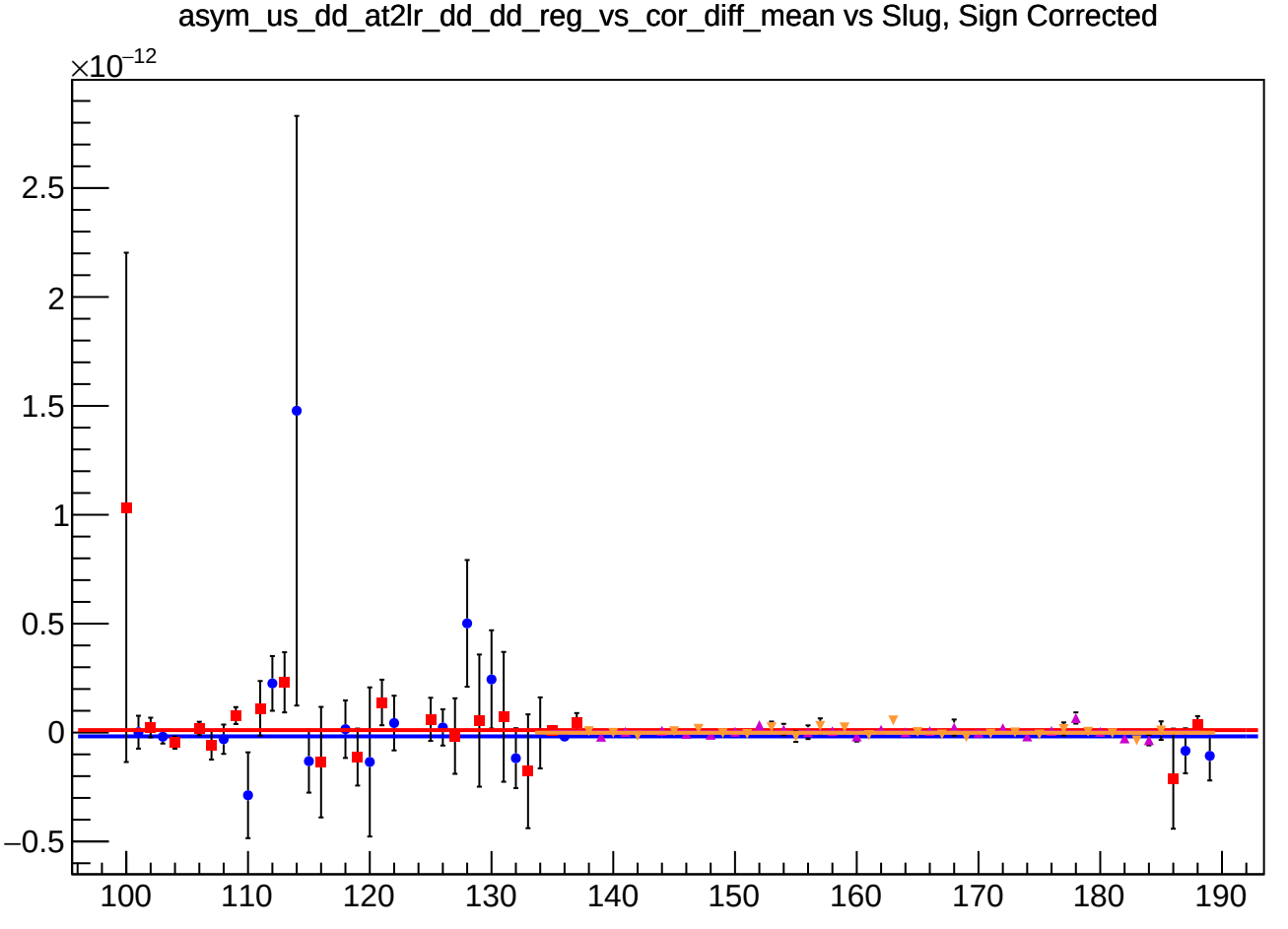
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1717.528+/-0.309 χ^2/NDF: 1728871.7/37

In: 1656.412+/-0.231 χ^2/NDF:1191894.8/40

Out: 1646.531+/-0.226 χ^2/NDF:1011375.9/43

All: 1651.370+/-0.162 χ^2/NDF: 2204202.7/84



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/19

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

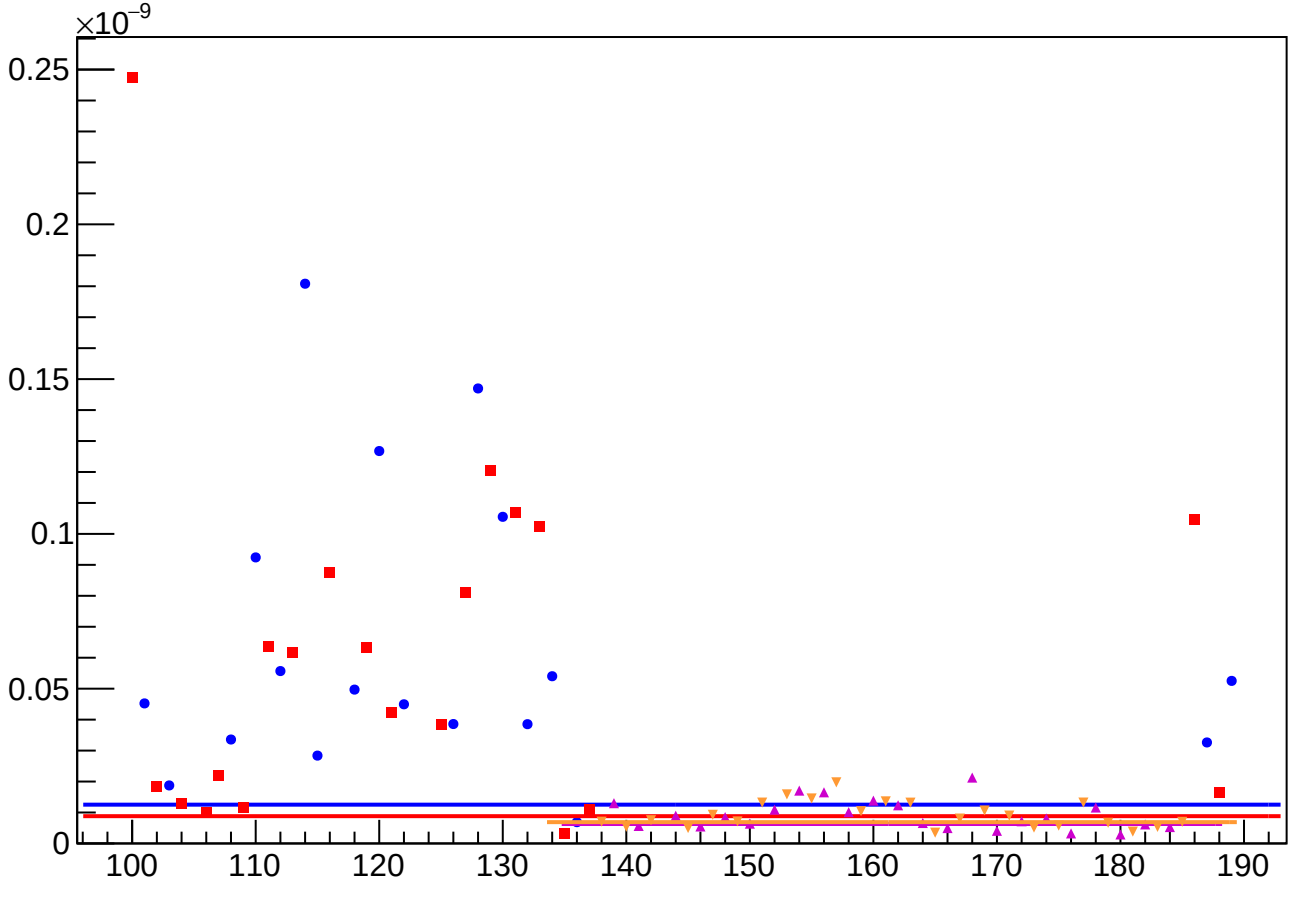
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 37.0/37

In: 0.000+/-0.000 χ^2/NDF:41.9/40

Out: 0.000+/-0.000 χ^2/NDF:42.3/43

All: 0.000+/-0.000 χ^2/NDF: 84.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 3756846.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3953735.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

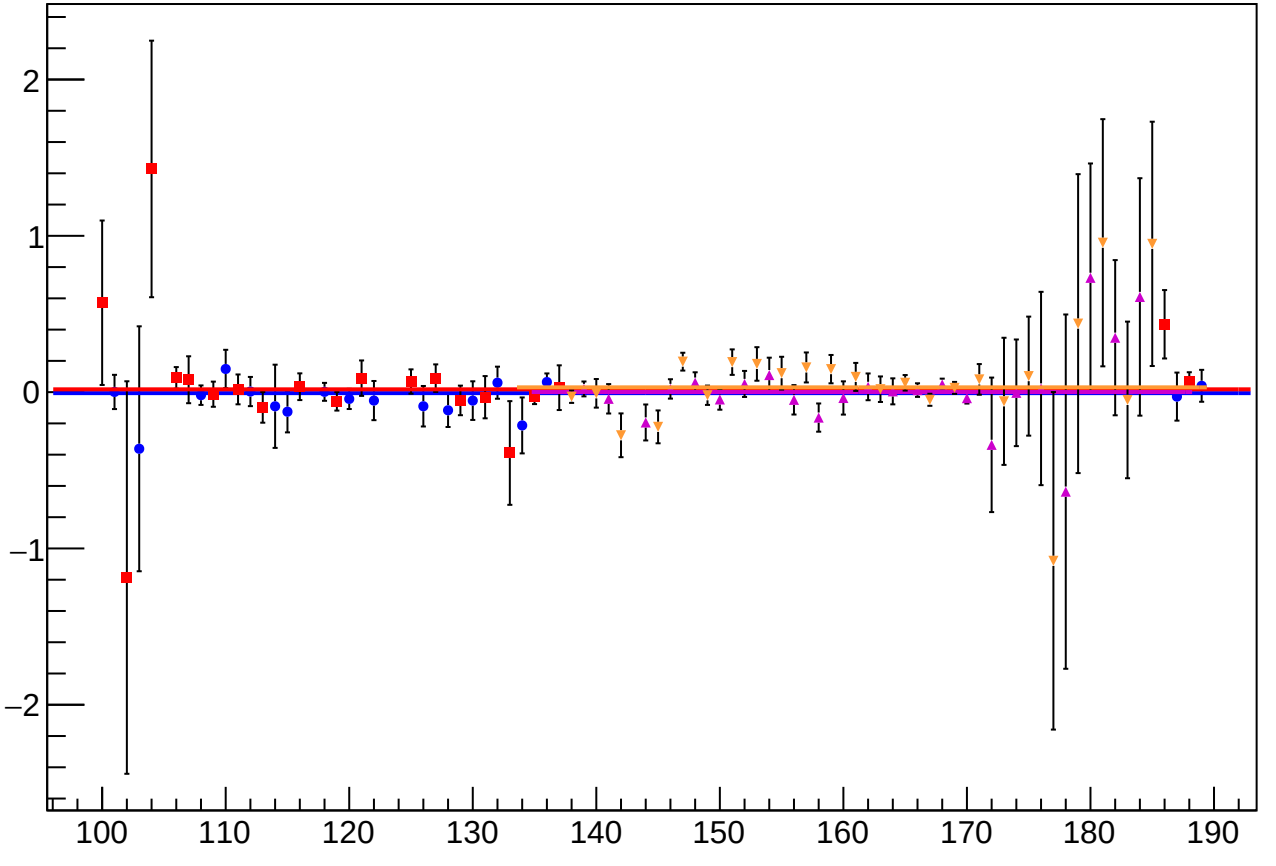
Right: 0.000+/-0.000 χ^2/NDF: 7868887.7/37

In: 0.000+/-0.000 χ^2/NDF:7348399.9/40

Out: 0.000+/-0.000 χ^2/NDF:6303151.7/43

All: 0.000+/-0.000 χ^2/NDF: 13670812.2/84

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

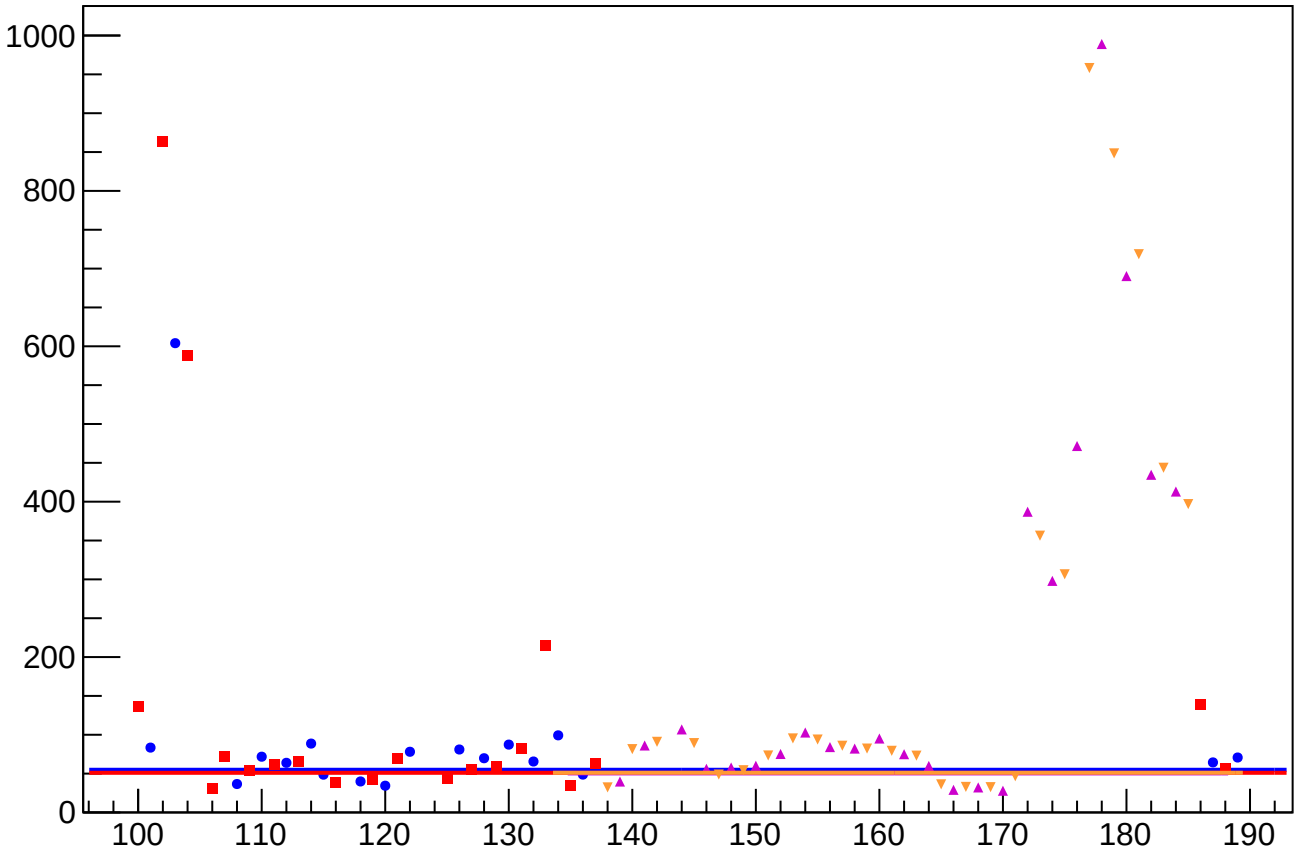
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.007+/-0.015 χ^2/NDF: 27.4/37

In: -0.002+/-0.013 χ^2/NDF:24.6/40

Out: 0.026+/-0.012 χ^2/NDF:60.0/43

All: 0.013+/-0.009 χ^2/NDF: 87.0/84



Right In: 54.949+/-0.016 χ^2/NDF: 2273622.7/17

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.038+/-0.015 χ^2/NDF: 3362362.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

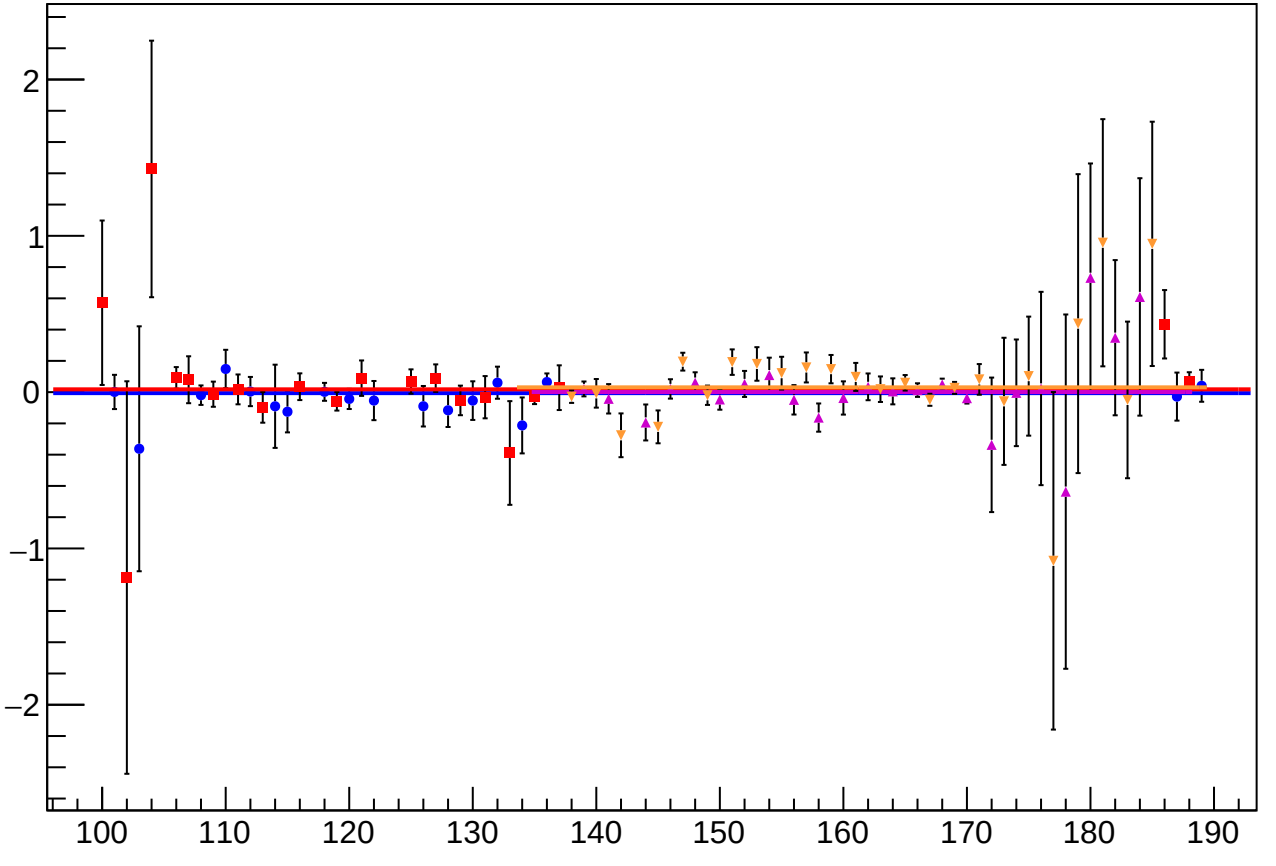
Right: 52.854+/-0.011 χ^2/NDF: 5668934.7/37

In: 51.749+/-0.009 χ^2/NDF:14529812.0/40

Out: 51.065+/-0.009 χ^2/NDF:15099004.2/43

All: 51.402+/-0.006 χ^2/NDF: 29631805.0/84

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

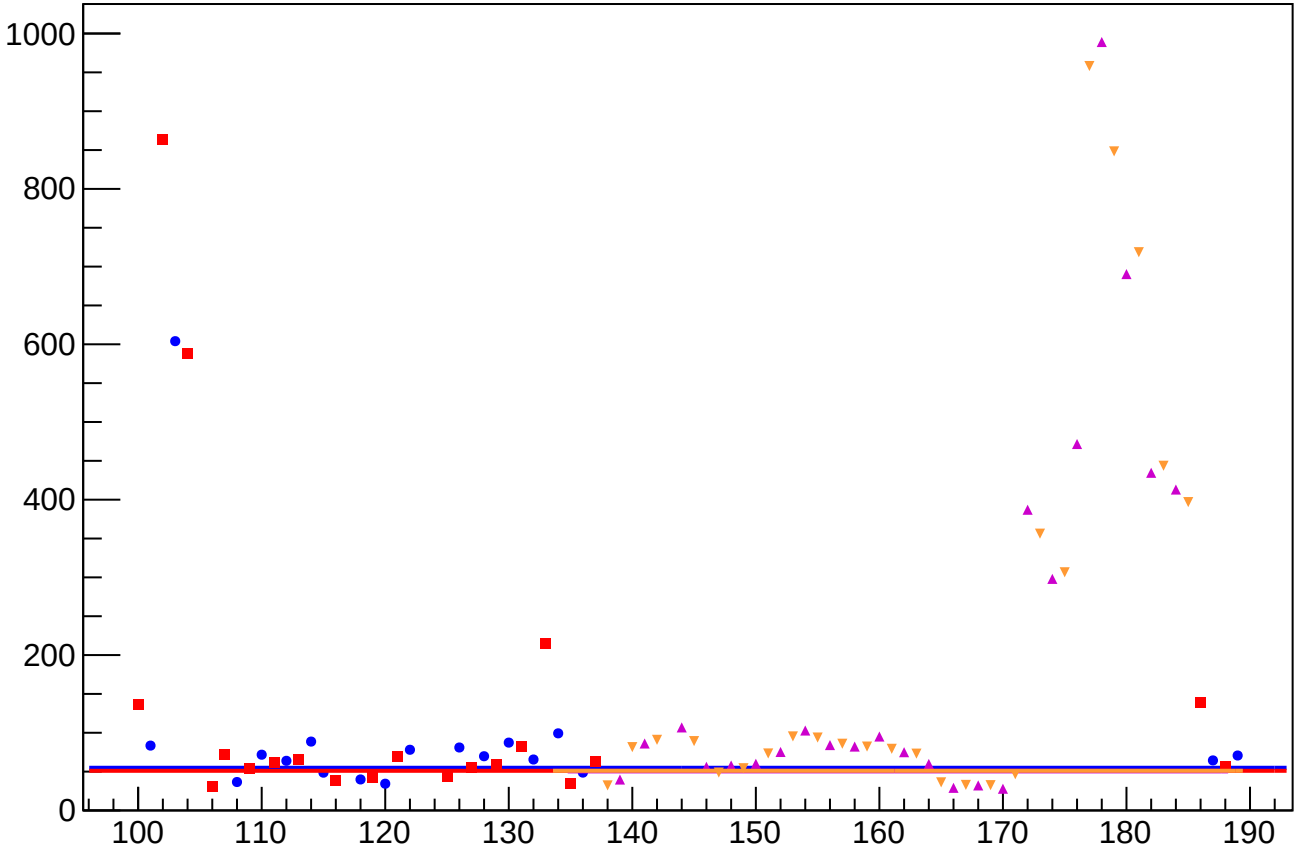
Right: 0.007+/-0.015 χ^2/NDF: 27.4/37

In: -0.002+/-0.013 χ^2/NDF:24.6/40

Out: 0.026+/-0.012 χ^2/NDF:60.0/43

All: 0.013+/-0.009 χ^2/NDF: 87.0/84

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.949+/-0.016 χ^2/NDF: 2273622.7/17

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.038+/-0.015 χ^2/NDF: 3362362.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

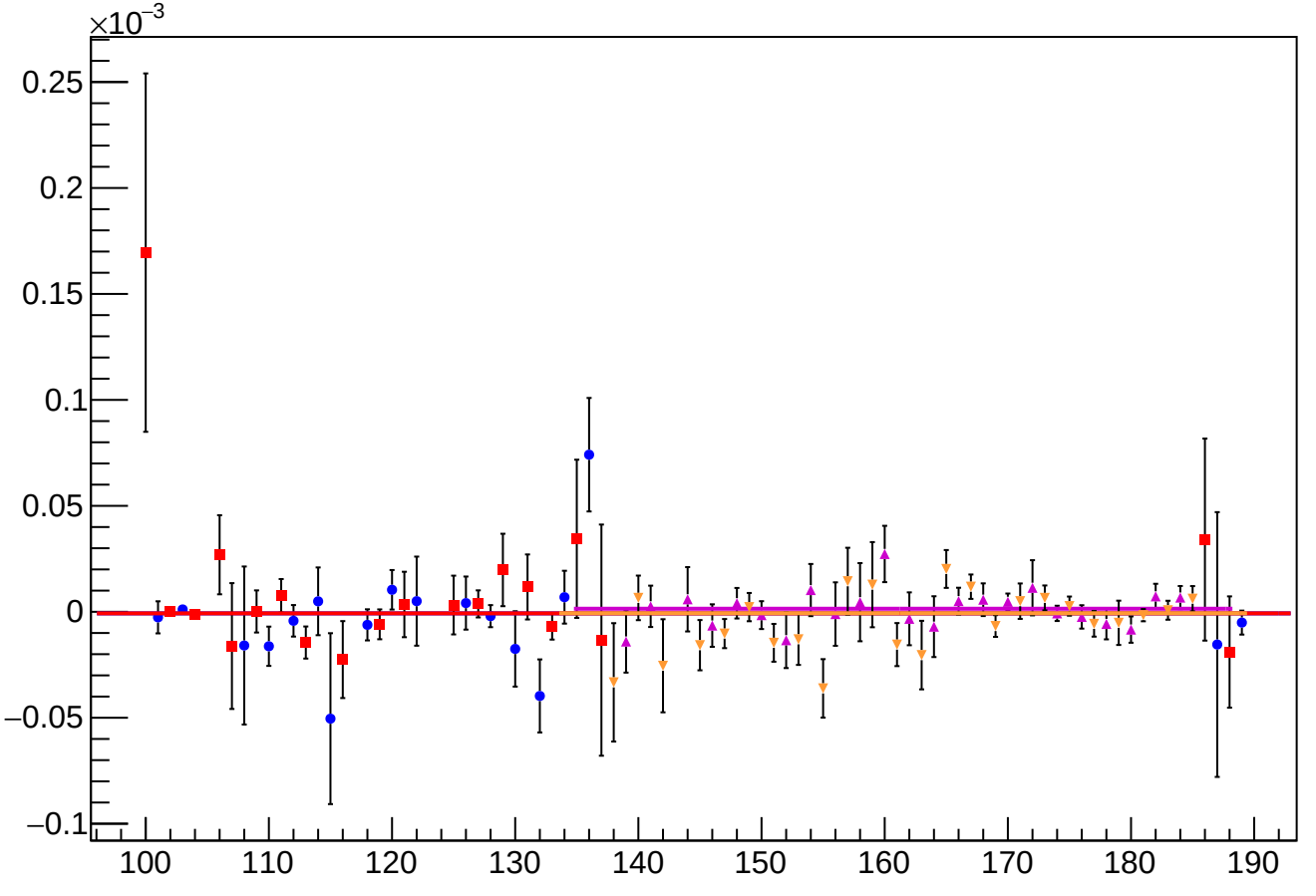
Right: 52.854+/-0.011 χ^2/NDF: 5668934.7/37

In: 51.749+/-0.009 χ^2/NDF:14529812.0/40

Out: 51.065+/-0.009 χ^2/NDF:15099004.2/43

All: 51.402+/-0.006 χ^2/NDF: 29631805.0/84

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

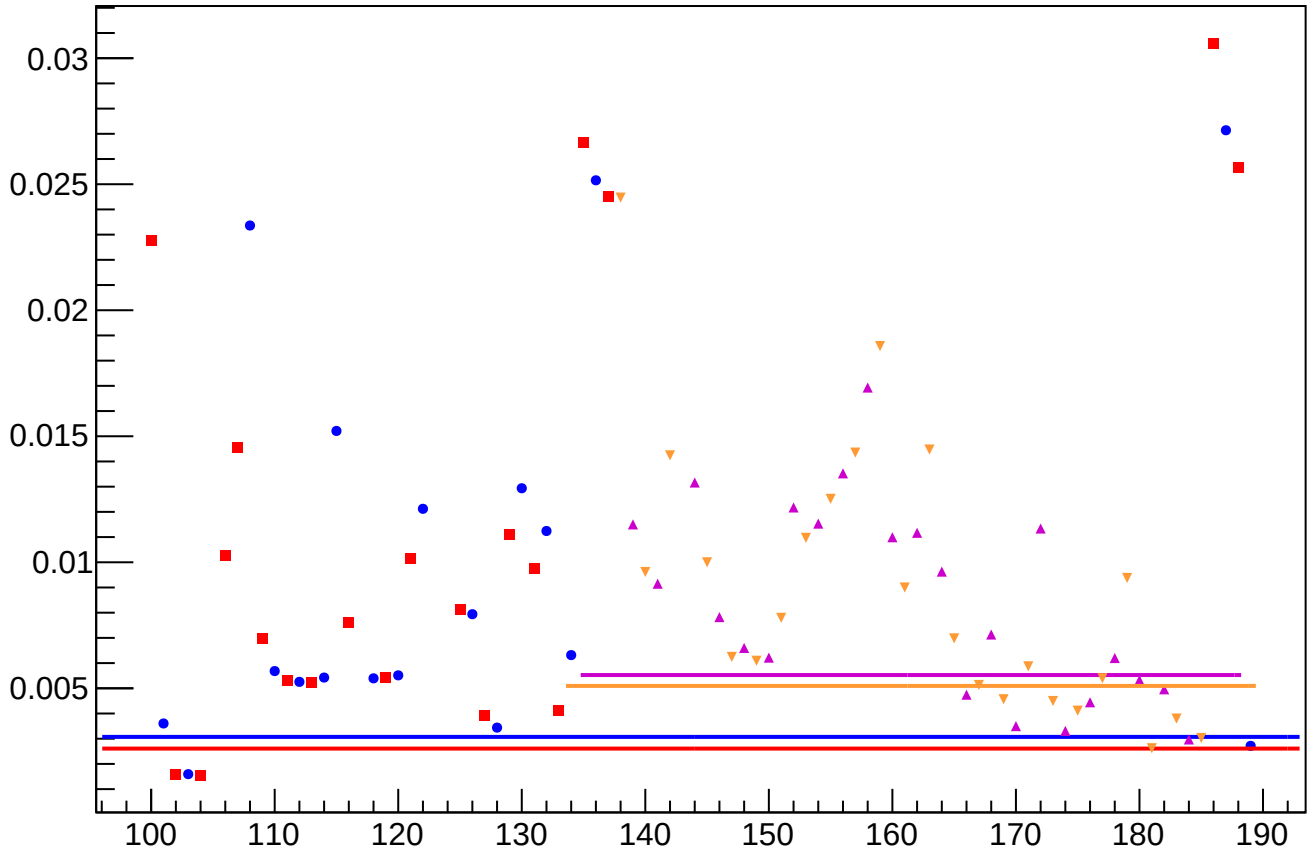
Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

Right: -0.000+/-0.000 χ^2/NDF: 41.7/37

In: 0.000+/-0.000 χ^2/NDF:40.3/40

Out: -0.000+/-0.000 χ^2/NDF:57.3/43

All: -0.000+/-0.000 χ^2/NDF: 98.2/84



Right In: 0.003+/-0.000 χ^2/NDF: 6083964.2/17

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8474449.2/19

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

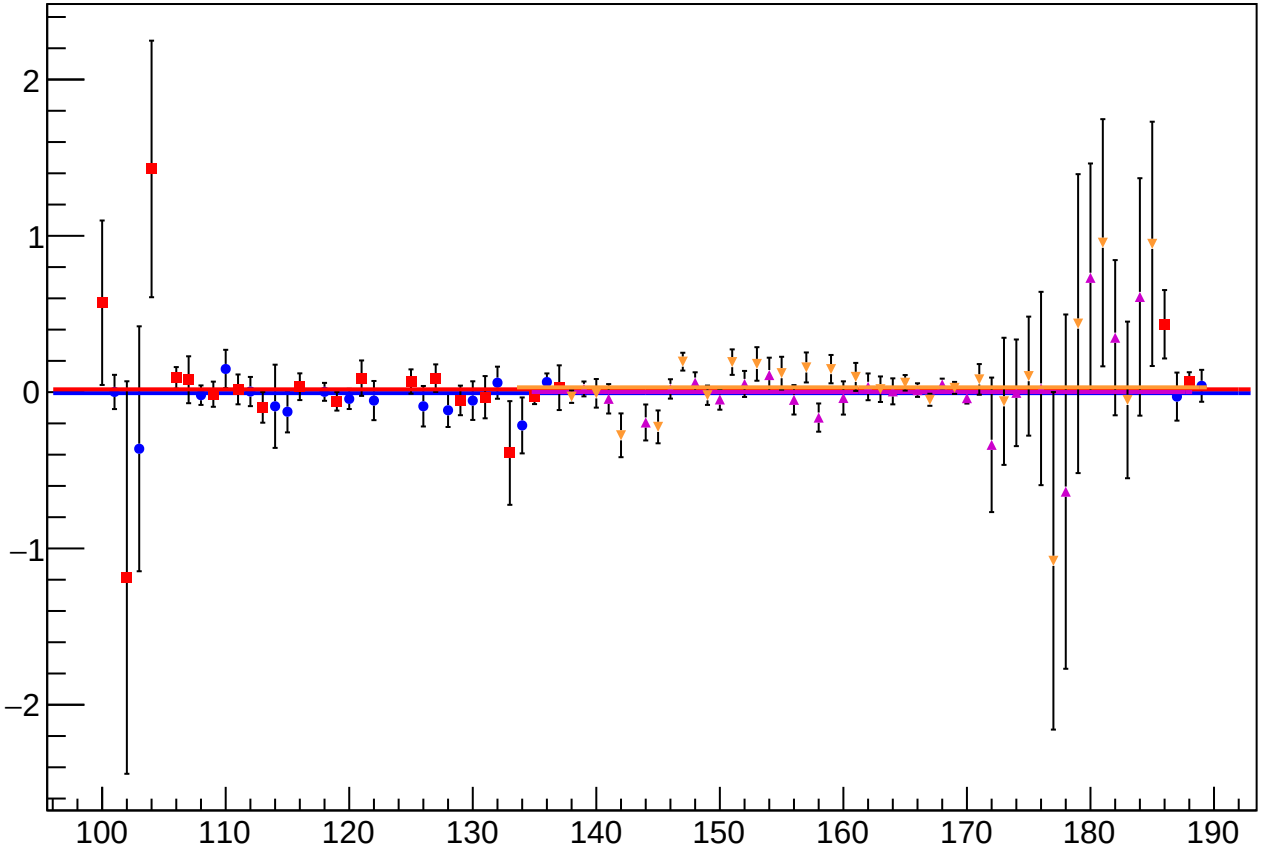
Right: 0.003+/-0.000 χ^2/NDF: 14665080.0/37

In: 0.004+/-0.000 χ^2/NDF:15537628.5/40

Out: 0.004+/-0.000 χ^2/NDF:20347105.9/43

All: 0.004+/-0.000 χ^2/NDF: 36238072.5/84

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

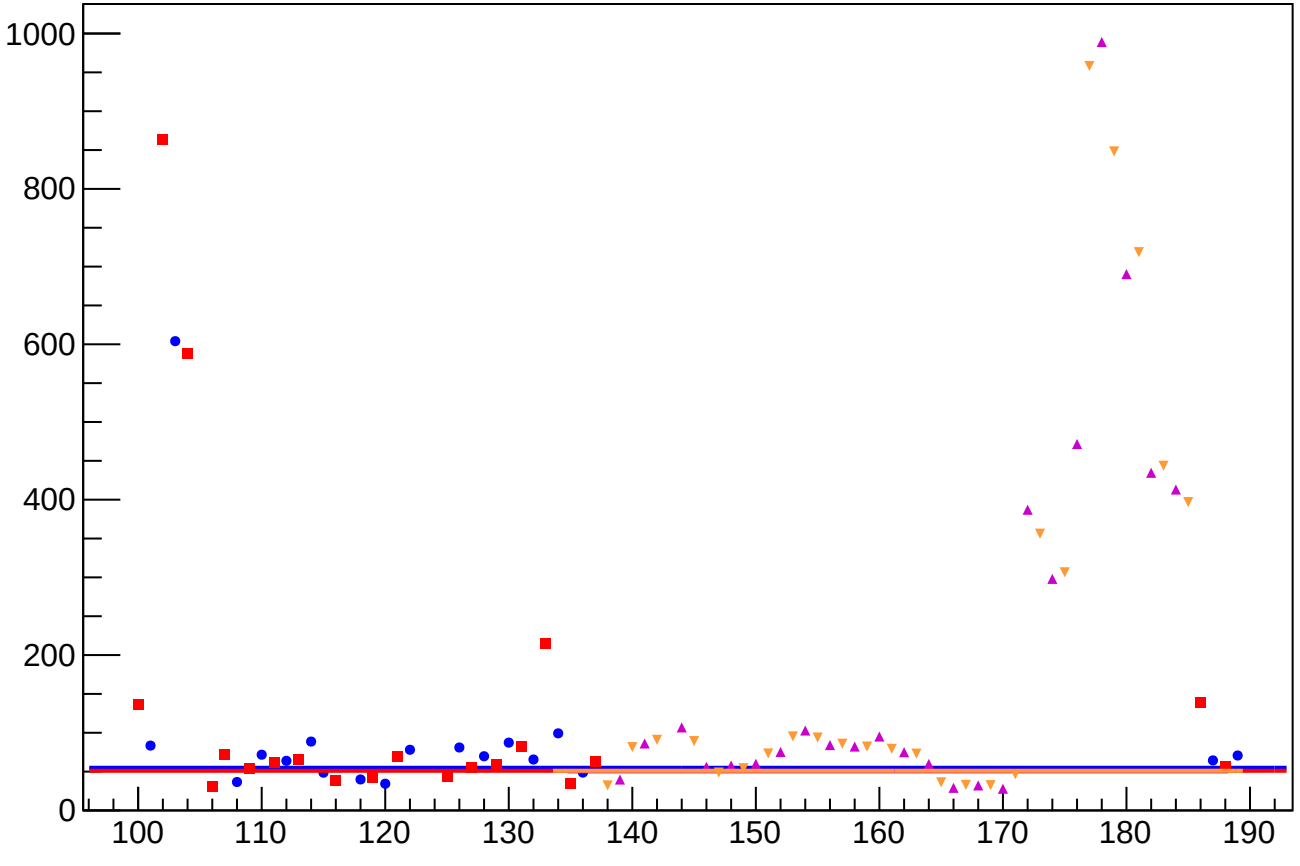
Right: 0.007+/-0.015 χ^2/NDF: 27.4/37

In: -0.002+/-0.013 χ^2/NDF:24.6/40

Out: 0.026+/-0.012 χ^2/NDF:60.0/43

All: 0.013+/-0.009 χ^2/NDF: 87.0/84

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.952+/-0.016 χ^2/NDF: 2273218.6/17

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.040+/-0.015 χ^2/NDF: 3362102.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

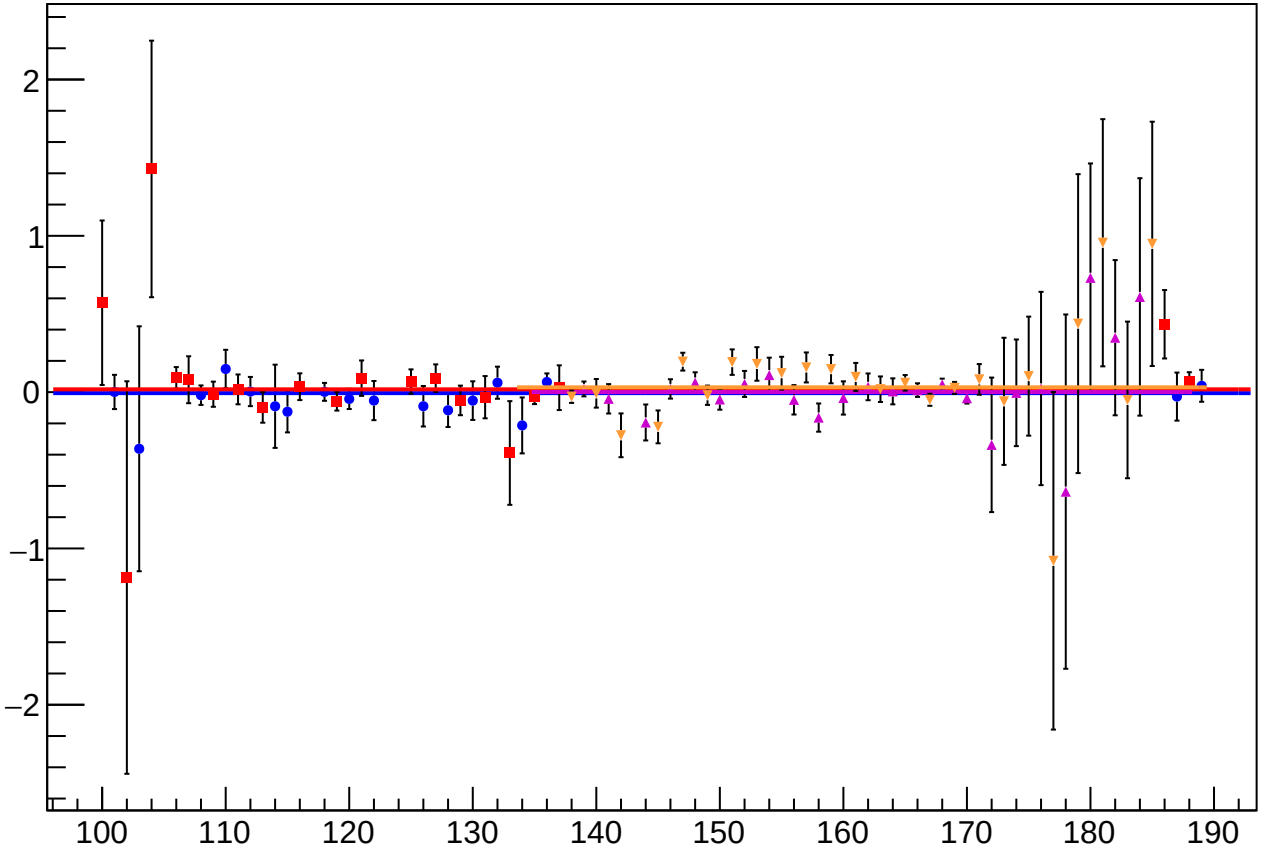
Right: 52.857+/-0.011 χ^2/NDF: 5668284.3/37

In: 51.750+/-0.009 χ^2/NDF:14529430.3/40

Out: 51.068+/-0.009 χ^2/NDF:15097913.1/43

All: 51.404+/-0.006 χ^2/NDF: 29630319.6/84

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.022 χ^2/NDF: 8.5/17

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

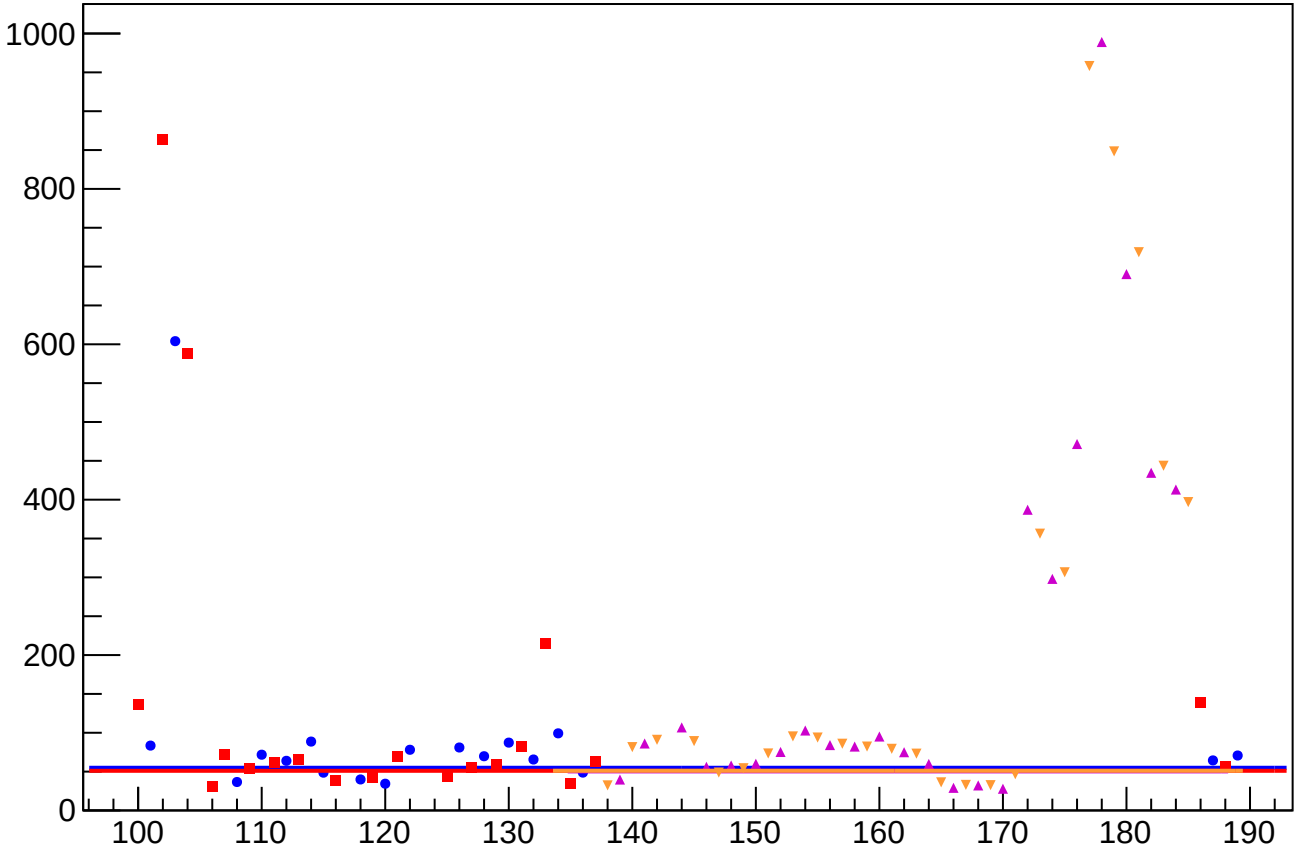
Right: 0.007+/-0.015 χ^2/NDF: 27.4/37

In: -0.002+/-0.013 χ^2/NDF:24.6/40

Out: 0.026+/-0.012 χ^2/NDF:60.0/43

All: 0.013+/-0.009 χ^2/NDF: 87.0/84

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.952+/-0.016 χ^2/NDF: 2273218.6/17

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.040+/-0.015 χ^2/NDF: 3362102.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

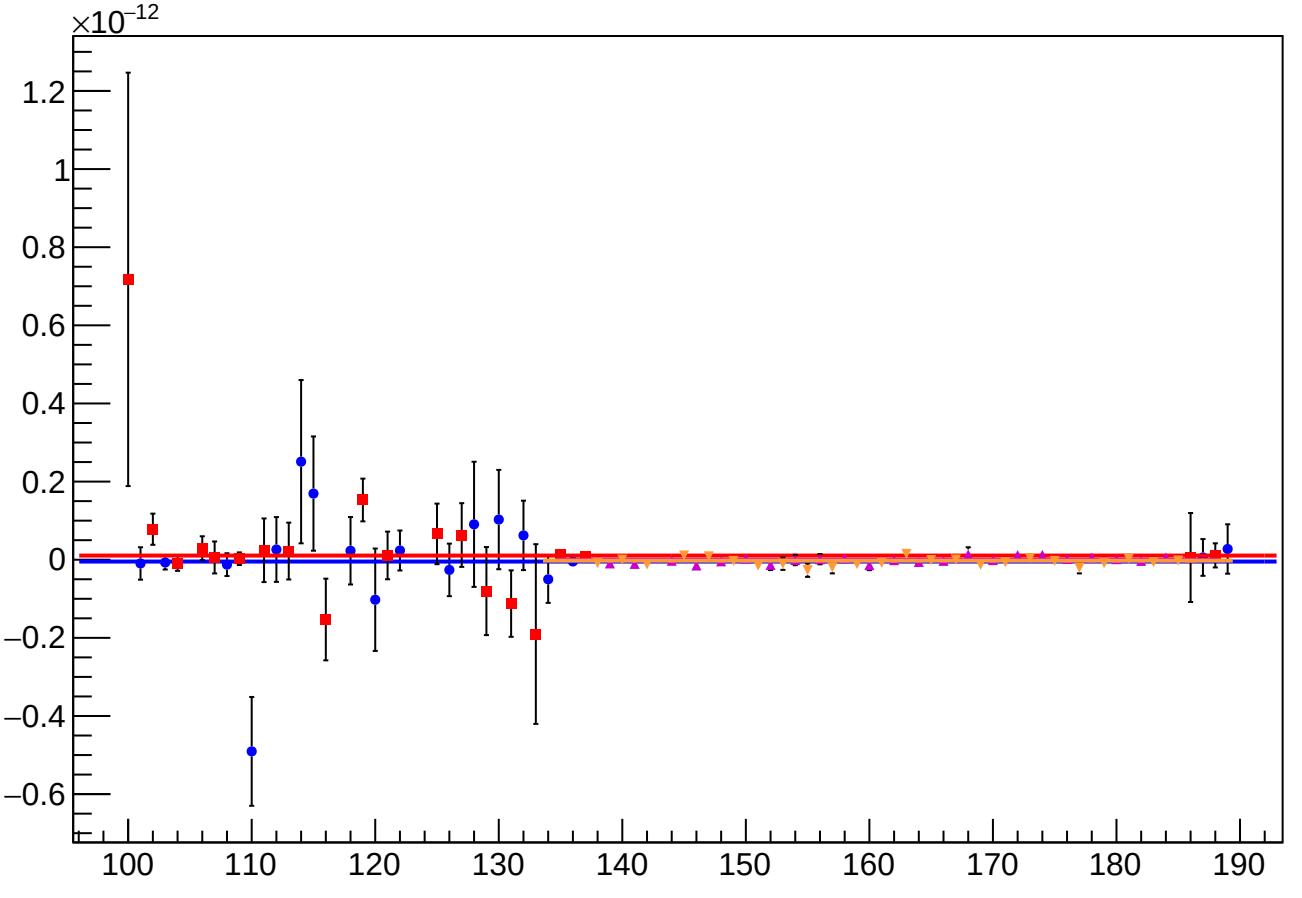
Right: 52.857+/-0.011 χ^2/NDF: 5668284.3/37

In: 51.750+/-0.009 χ^2/NDF:14529430.3/40

Out: 51.068+/-0.009 χ^2/NDF:15097913.1/43

All: 51.404+/-0.006 χ^2/NDF: 29630319.6/84

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/19

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

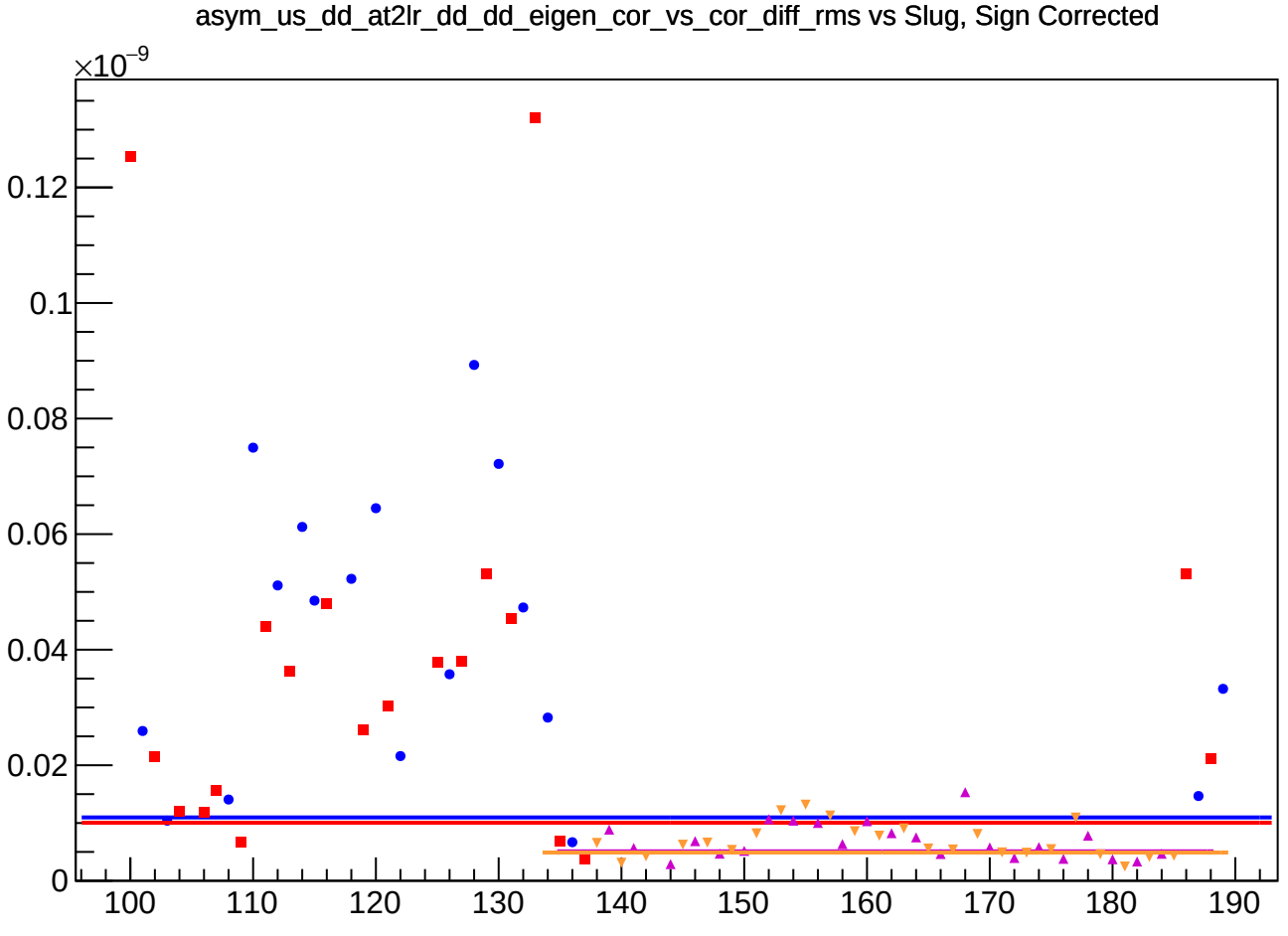
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 41.7/37

In: -0.000+/-0.000 χ^2/NDF:37.5/40

Out: -0.000+/-0.000 χ^2/NDF:46.3/43

All: -0.000+/-0.000 χ^2/NDF: 84.1/84



Right In: 0.000+/-0.000 χ^2/NDF: 4822478.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4593325.3/19

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

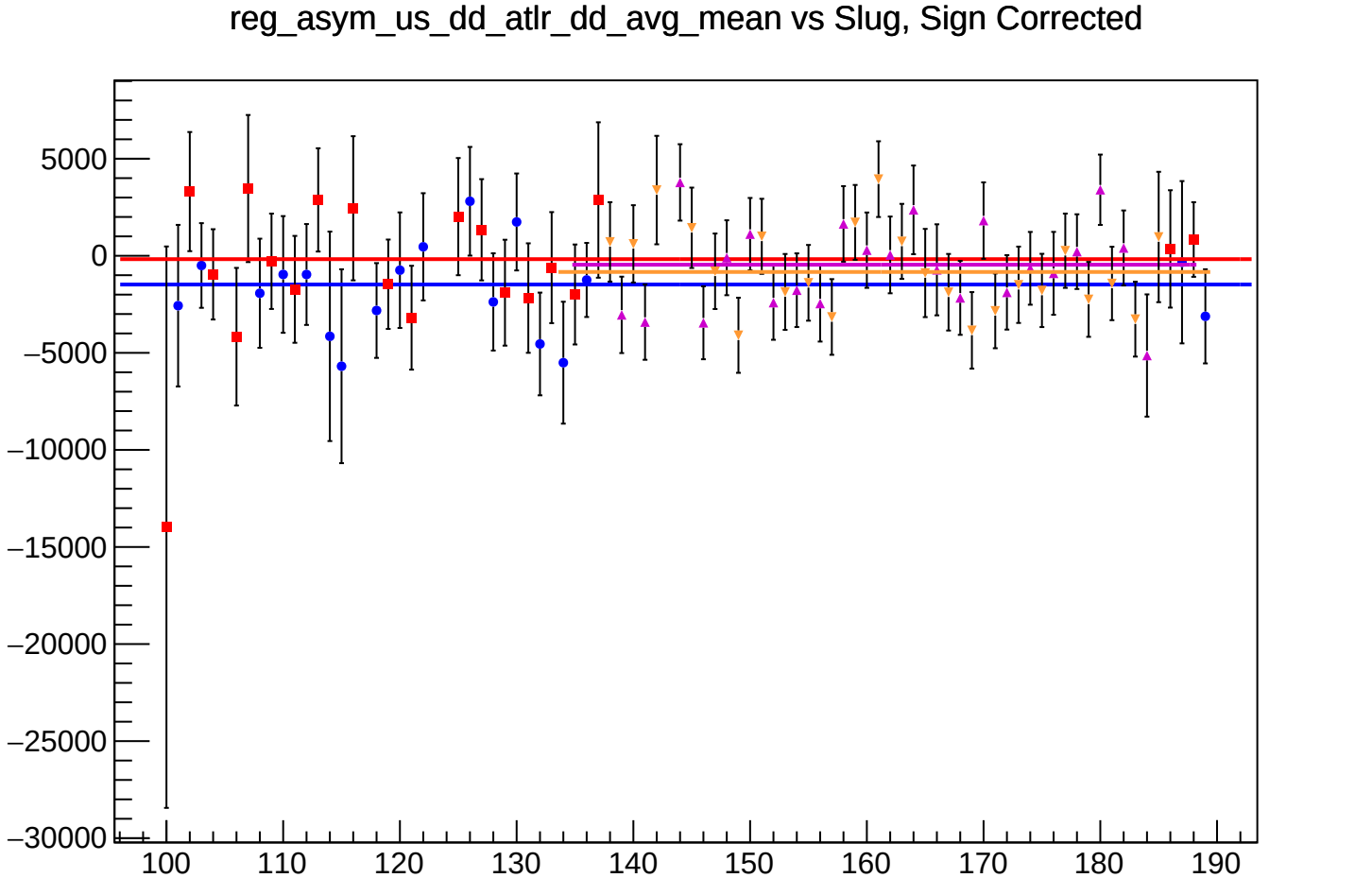
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 9435655.0/37

In: 0.000+/-0.000 χ^2/NDF:10041017.5/40

Out: 0.000+/-0.000 χ^2/NDF:10166401.1/43

All: 0.000+/-0.000 χ^2/NDF: 20230959.6/84



Right In: -1479.992+/-654.602 χ^2/NDF: 9.9/17

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -173.654+/-630.169 χ^2/NDF: 11.4/19

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

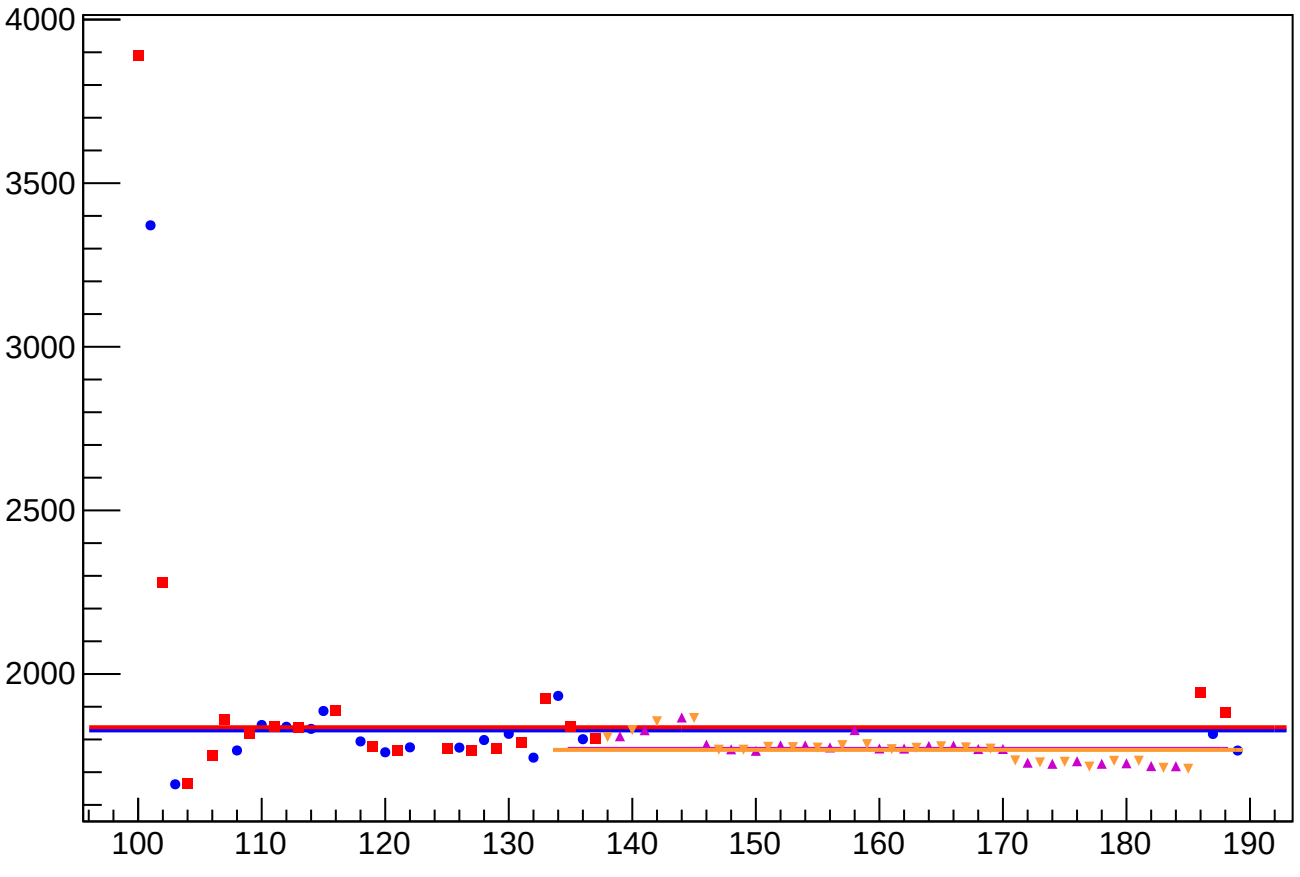
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -801.989+/-453.989 χ^2/NDF: 23.3/37

In: -750.765+/-349.677 χ^2/NDF:38.8/40

Out: -636.310+/-343.928 χ^2/NDF:37.6/43

All: -692.589+/-245.201 χ^2/NDF: 76.5/84



Right In: 1827.680+/-0.463 χ^2/NDF: 296858.3/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1837.325+/-0.446 χ^2/NDF: 107121.5/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

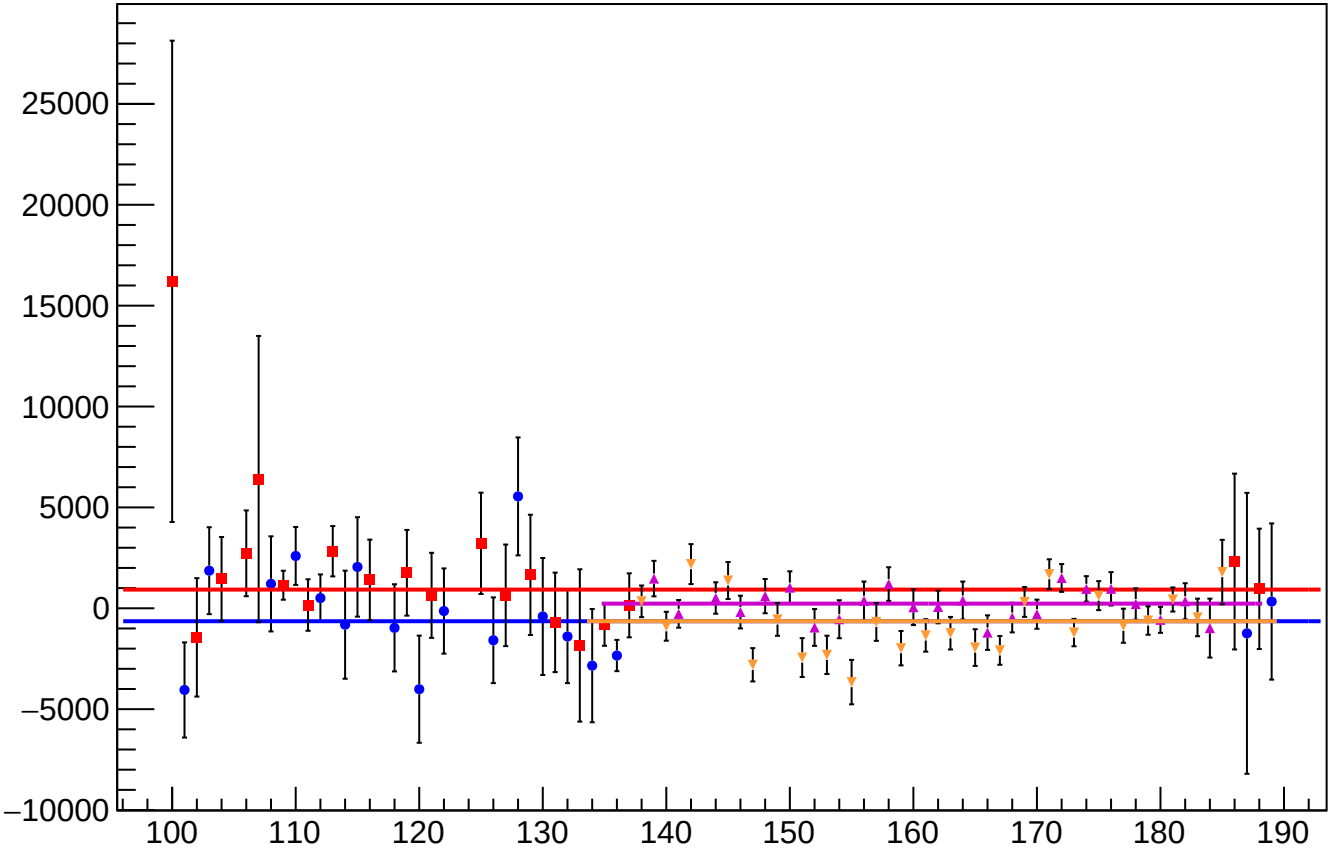
Right: 1832.686+/-0.321 χ^2/NDF: 404205.2/37

In: 1787.329+/-0.247 χ^2/NDF:323918.0/40

Out: 1788.738+/-0.243 χ^2/NDF:140413.3/43

All: 1788.045+/-0.173 χ^2/NDF: 464347.8/84

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -641.618+/-438.407 χ^2/NDF: 23.3/17

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 926.678+/-388.493 χ^2/NDF: 11.6/19

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

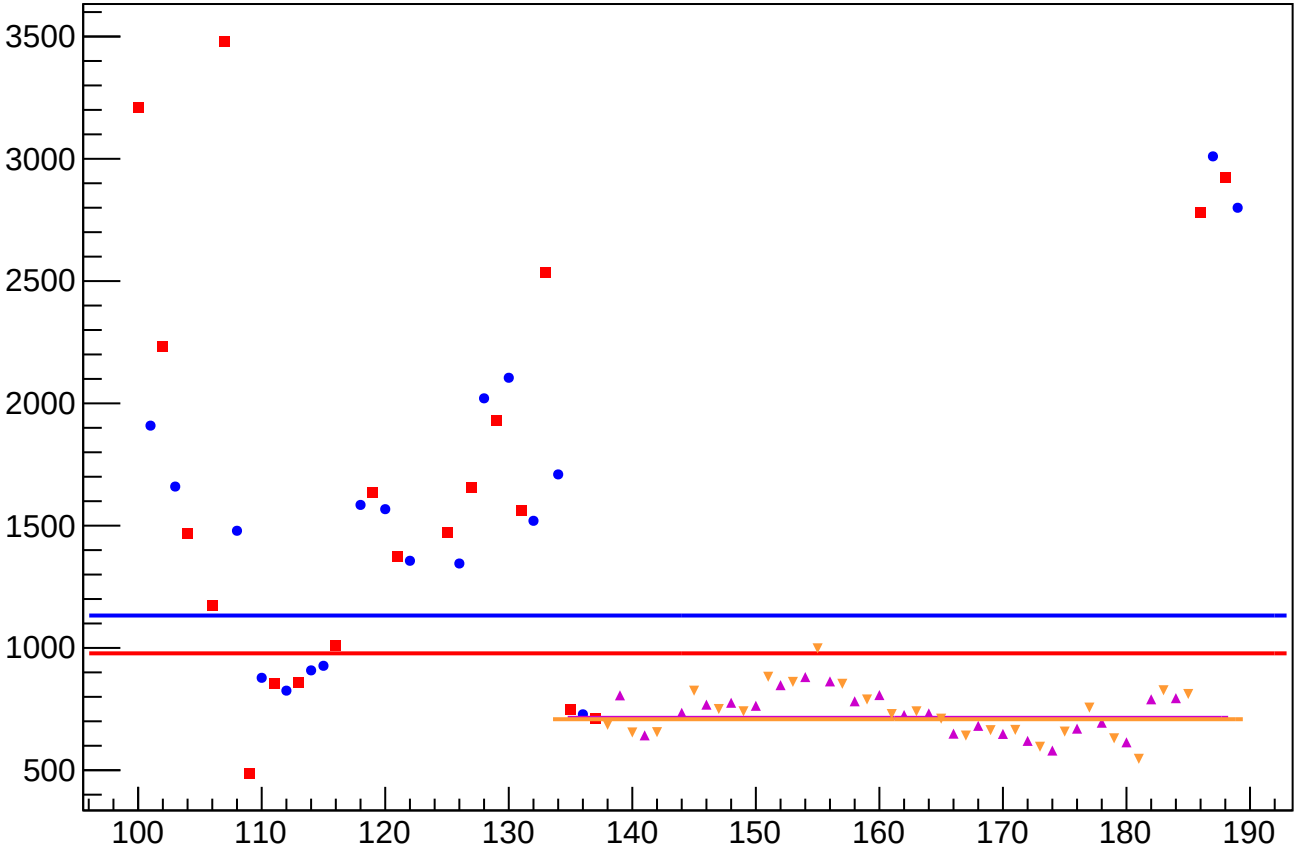
Right: 236.854+/-290.759 χ^2/NDF: 42.1/37

In: 118.594+/-157.136 χ^2/NDF:46.7/40

Out: -397.882+/-152.998 χ^2/NDF:92.1/43

All: -146.534+/-109.619 χ^2/NDF: 144.3/84

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1132.503+/-0.310 χ^2/NDF: 2403409.5/17

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 977.852+/-0.275 χ^2/NDF: 4276023.8/19

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

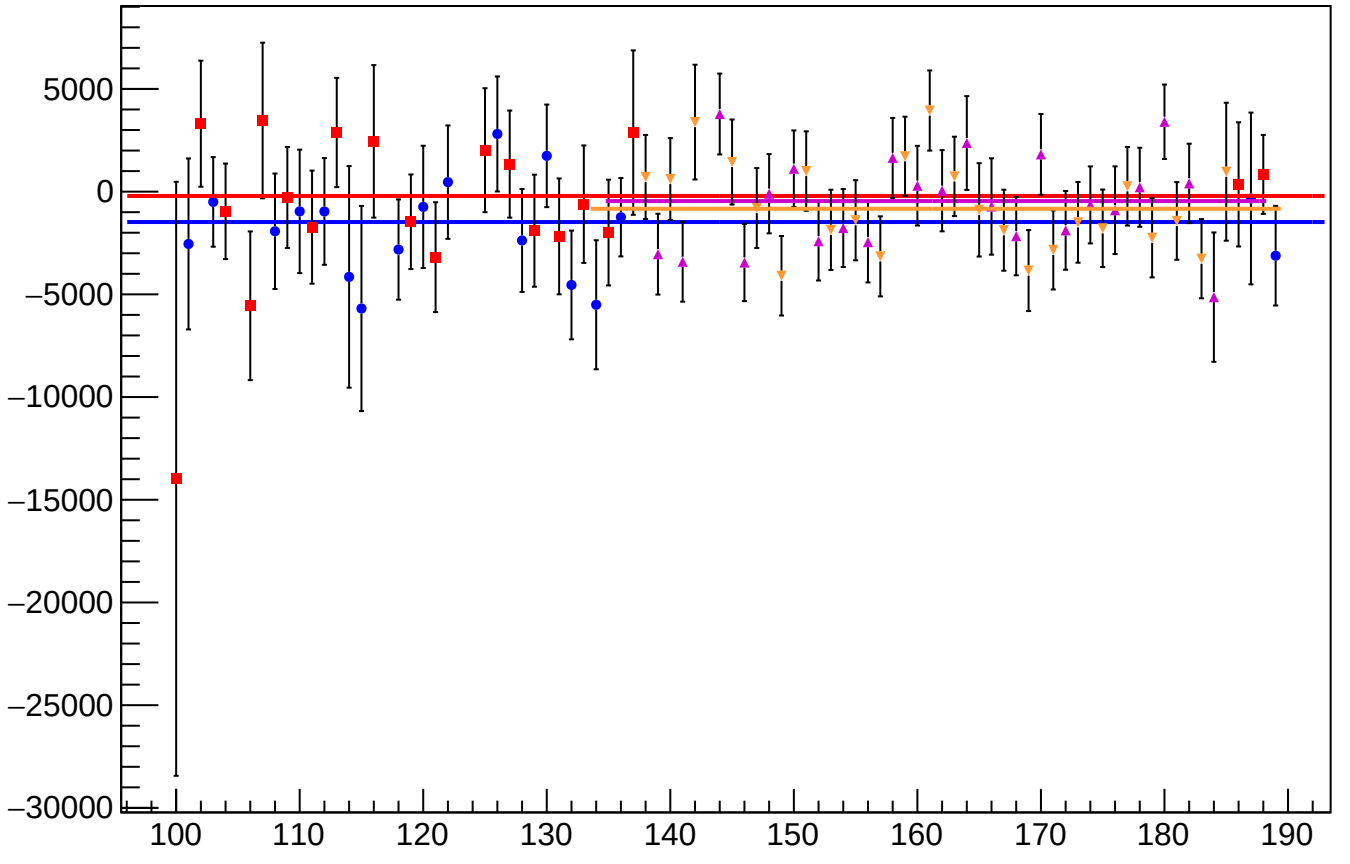
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1045.876+/-0.206 χ^2/NDF: 6818840.2/37

In: 767.905+/-0.111 χ^2/NDF:4487810.9/40

Out: 750.278+/-0.108 χ^2/NDF:5788769.6/43

All: 758.857+/-0.078 χ^2/NDF: 10289500.7/84



Right In: -1479.410+/-654.602 χ^2/NDF: 9.8/17

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -210.530+/-630.576 χ^2/NDF: 12.3/19

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

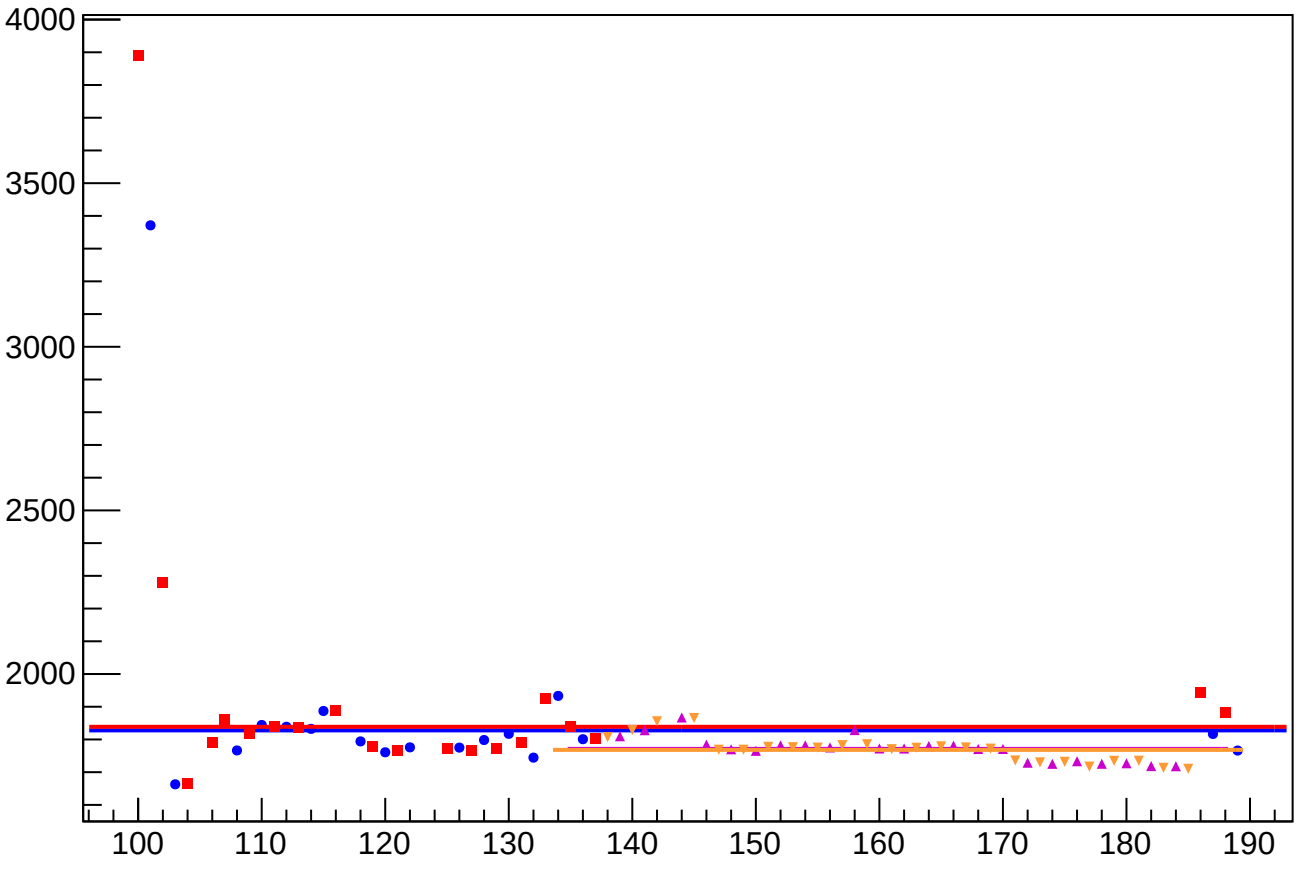
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -821.257+/-454.141 χ^2/NDF: 24.1/37

In: -750.570+/-349.677 χ^2/NDF:38.8/40

Out: -647.387+/-343.994 χ^2/NDF:38.5/43

All: -698.133+/-245.225 χ^2/NDF: 77.3/84



Right In: 1827.680+/-0.463 χ^2/NDF: 296860.2/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1838.678+/-0.446 χ^2/NDF: 106236.1/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

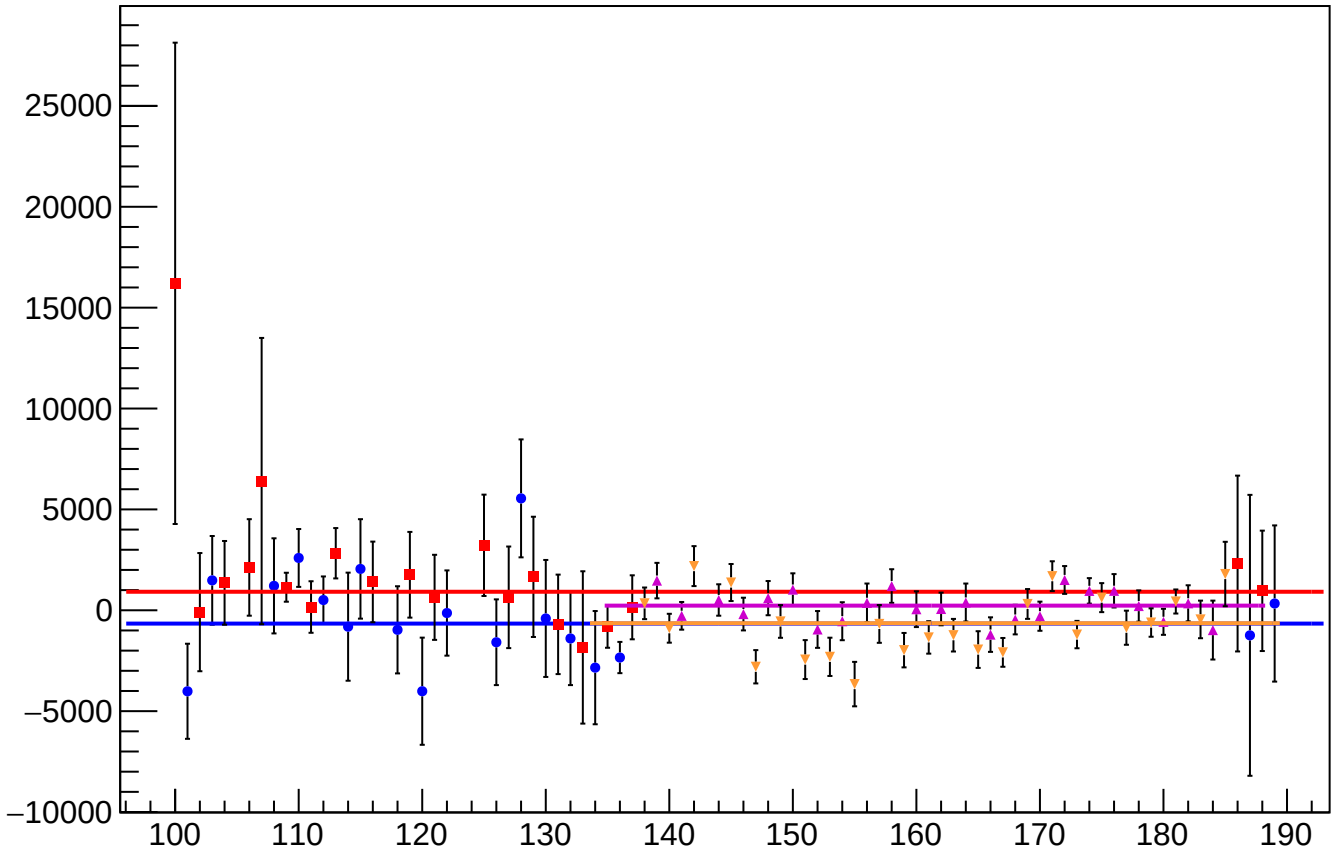
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1833.385+/-0.321 χ^2/NDF: 403389.1/37

In: 1787.329+/-0.247 χ^2/NDF:323919.8/40

Out: 1789.122+/-0.243 χ^2/NDF:140180.6/43

All: 1788.240+/-0.173 χ^2/NDF: 464127.2/84



Right In: -659.877+/-438.768 χ^2/NDF: 22.8/17

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 918.151+/-389.834 χ^2/NDF: 10.6/19

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

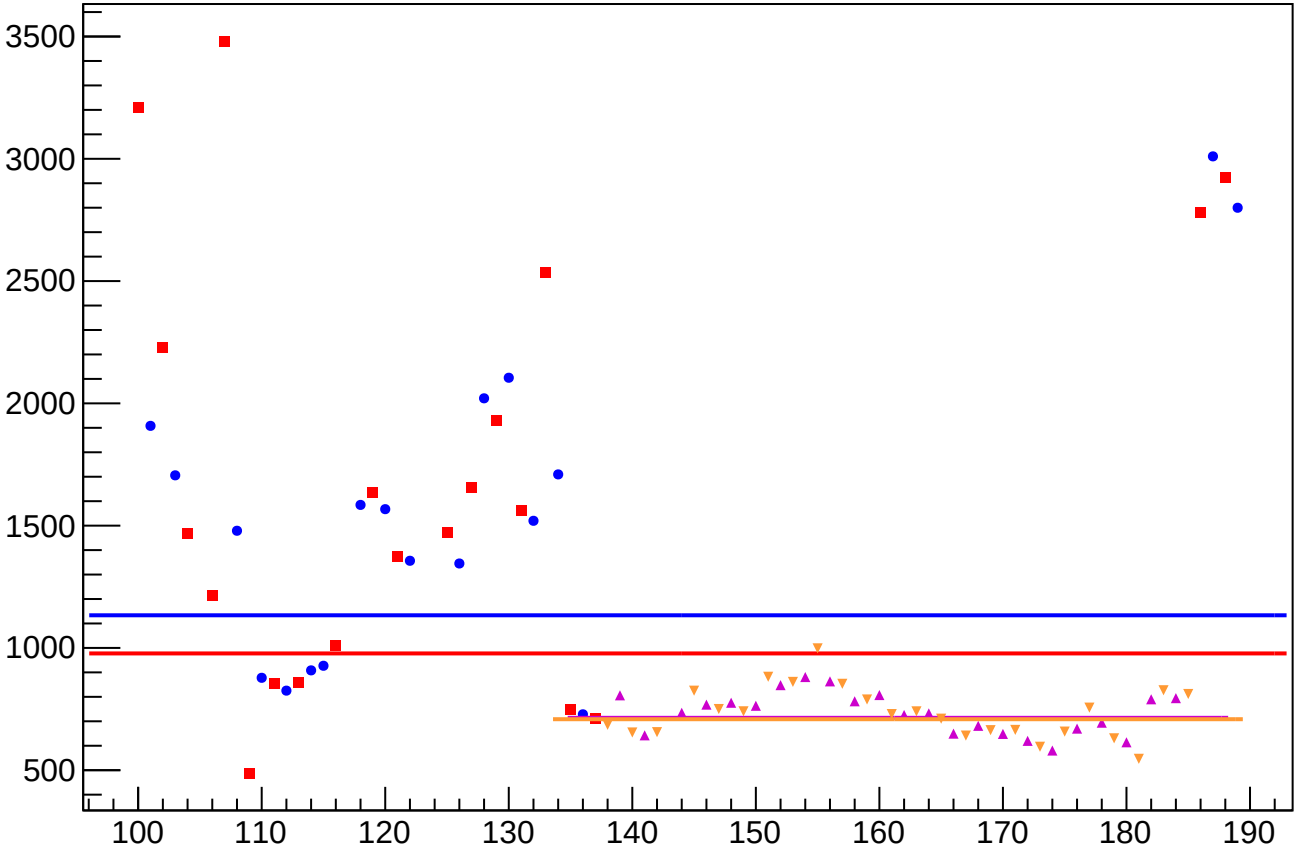
Right: 222.007+/-291.426 χ^2/NDF: 40.7/37

In: 116.340+/-157.154 χ^2/NDF:46.4/40

Out: -400.585+/-153.080 χ^2/NDF:90.8/43

All: -148.908+/-109.656 χ^2/NDF: 142.7/84

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1133.456+/-0.310 χ^2/NDF: 2419149.3/17

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 977.477+/-0.276 χ^2/NDF: 4277013.3/19

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

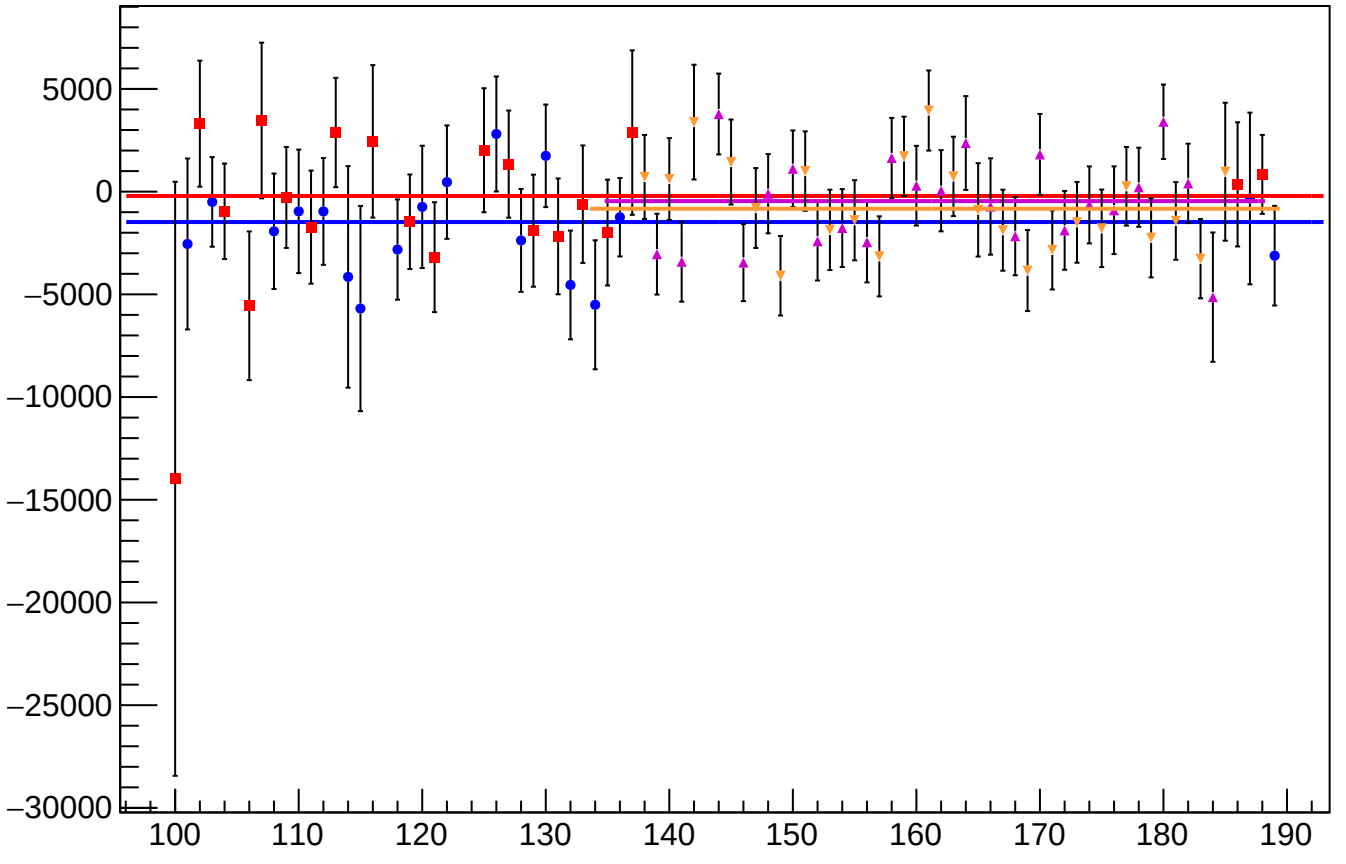
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1046.287+/-0.206 χ^2/NDF: 6837410.7/37

In: 767.956+/-0.111 χ^2/NDF:4508454.3/40

Out: 749.983+/-0.108 χ^2/NDF:5782738.1/43

All: 758.734+/-0.078 χ^2/NDF: 10304616.2/84



Right In: -1479.410+/-654.602 χ^2/NDF: 9.8/17

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -210.530+/-630.576 χ^2/NDF: 12.3/19

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

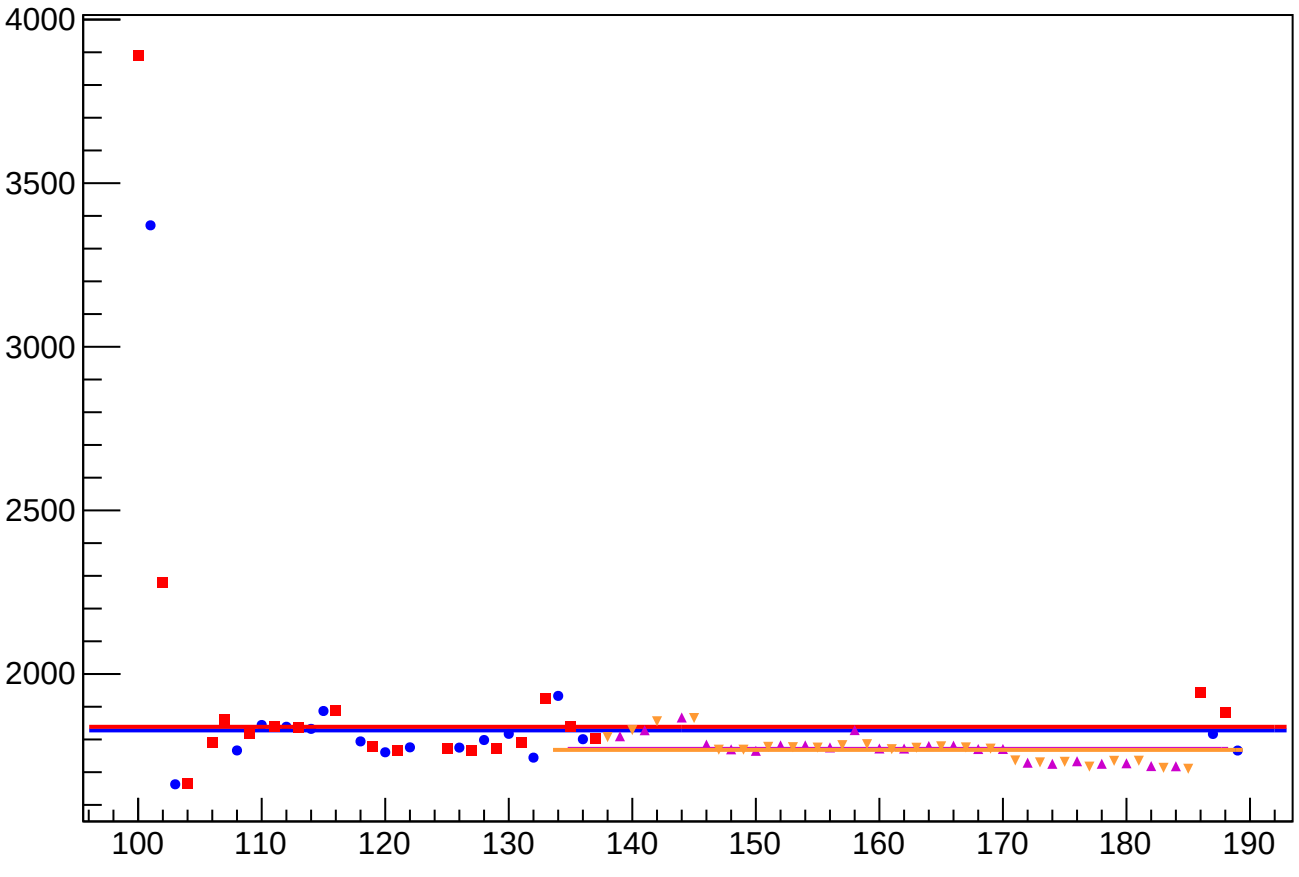
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -821.257+/-454.141 χ^2/NDF: 24.1/37

In: -750.570+/-349.677 χ^2/NDF:38.8/40

Out: -647.387+/-343.994 χ^2/NDF:38.5/43

All: -698.133+/-245.225 χ^2/NDF: 77.3/84



Right In: 1827.680+/-0.463 χ^2/NDF: 296860.2/17

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1838.678+/-0.446 χ^2/NDF: 106236.1/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

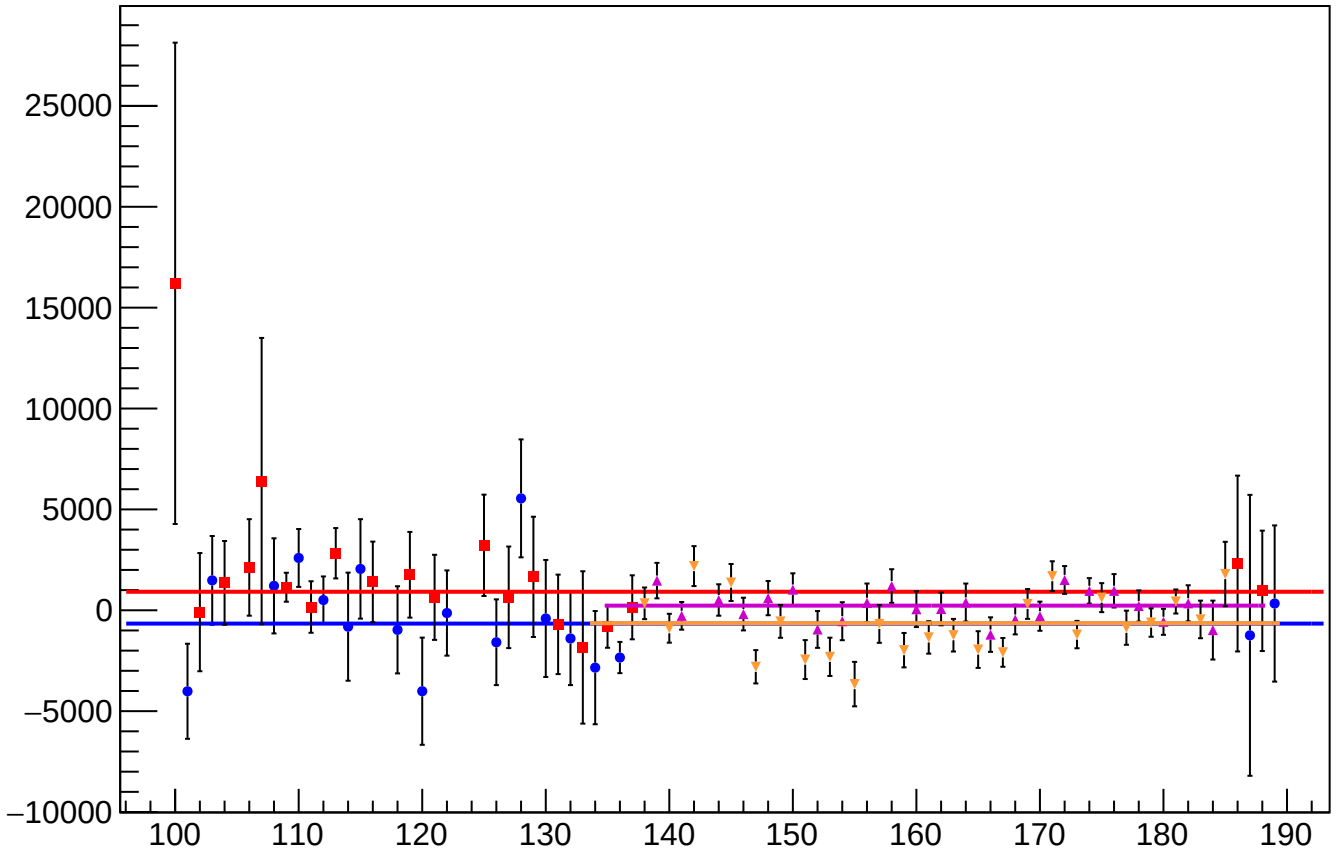
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1833.385+/-0.321 χ^2/NDF: 403389.1/37

In: 1787.329+/-0.247 χ^2/NDF:323919.8/40

Out: 1789.122+/-0.243 χ^2/NDF:140180.6/43

All: 1788.240+/-0.173 χ^2/NDF: 464127.2/84



Right In: -659.877+/-438.768 χ^2/NDF: 22.8/17

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 918.151+/-389.834 χ^2/NDF: 10.6/19

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

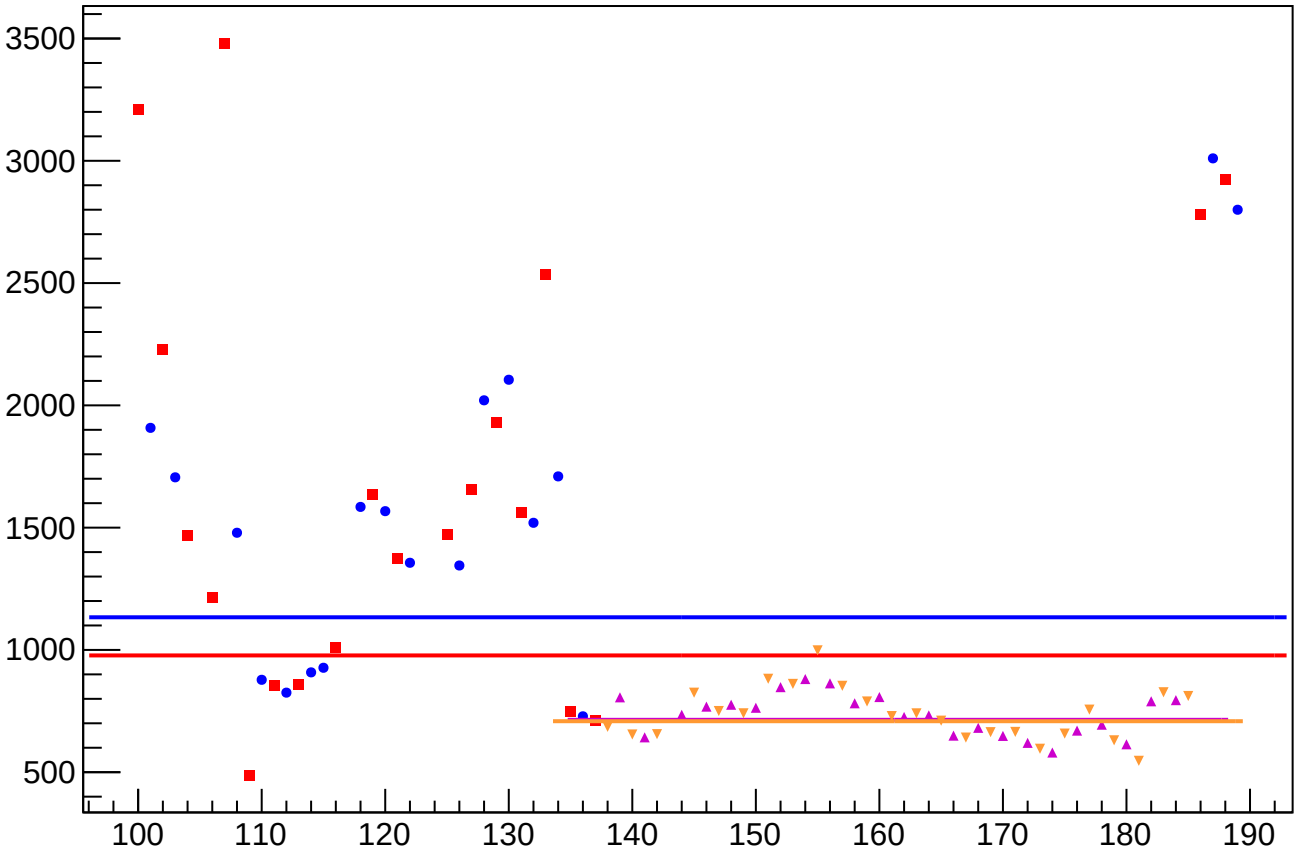
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 222.007+/-291.426 χ^2/NDF: 40.7/37

In: 116.340+/-157.154 χ^2/NDF:46.4/40

Out: -400.585+/-153.080 χ^2/NDF:90.8/43

All: -148.908+/-109.656 χ^2/NDF: 142.7/84



Right In: 1133.456+/-0.310 χ^2/NDF: 2419149.3/17

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 977.477+/-0.276 χ^2/NDF: 4277013.3/19

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

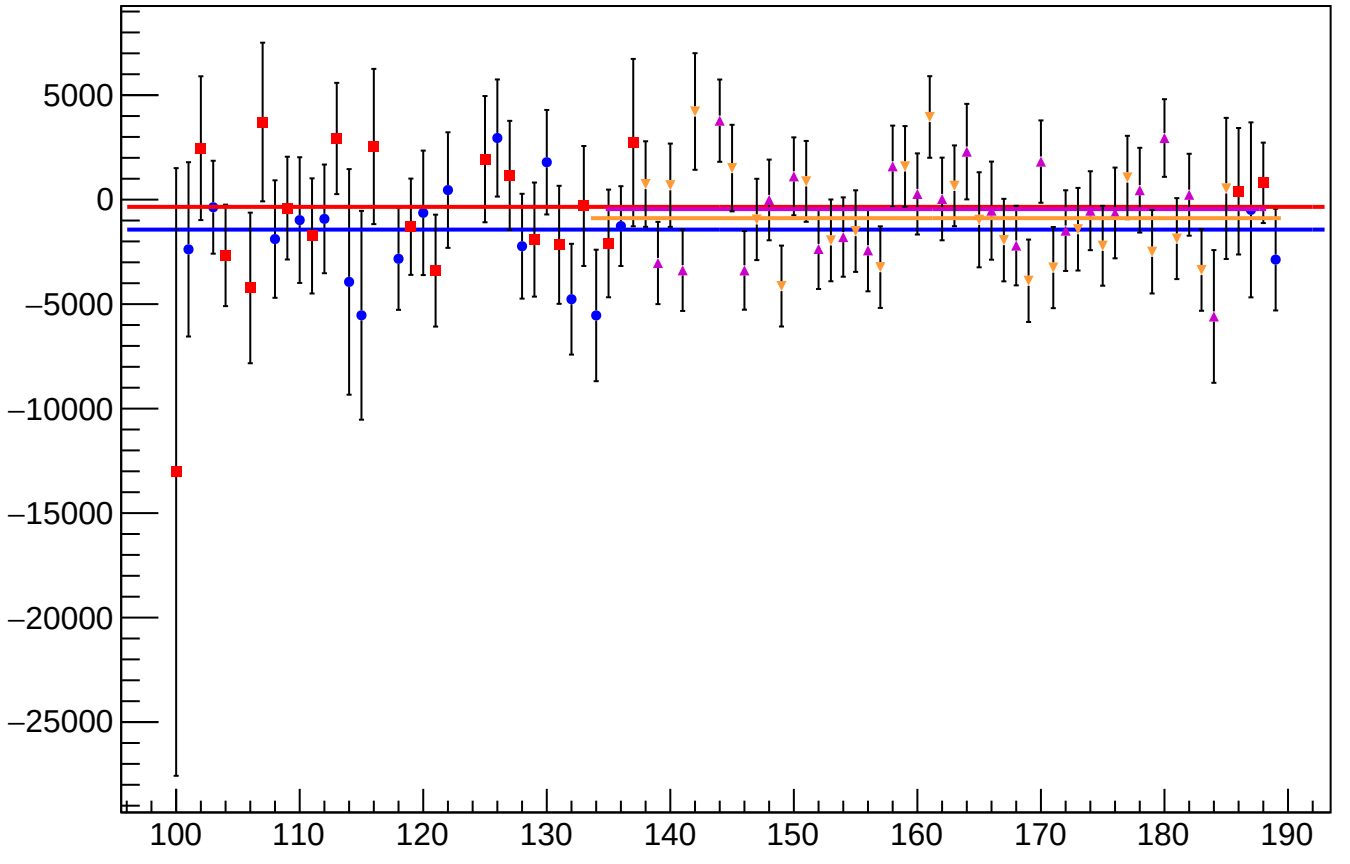
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1046.287+/-0.206 χ^2/NDF: 6837410.7/37

In: 767.956+/-0.111 χ^2/NDF:4508454.3/40

Out: 749.983+/-0.108 χ^2/NDF:5782738.1/43

All: 758.734+/-0.078 χ^2/NDF: 10304616.2/84



Right In: -1434.036+/-656.440 χ^2/NDF: 10.0/17

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -346.967+/-635.804 χ^2/NDF: 11.6/19

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

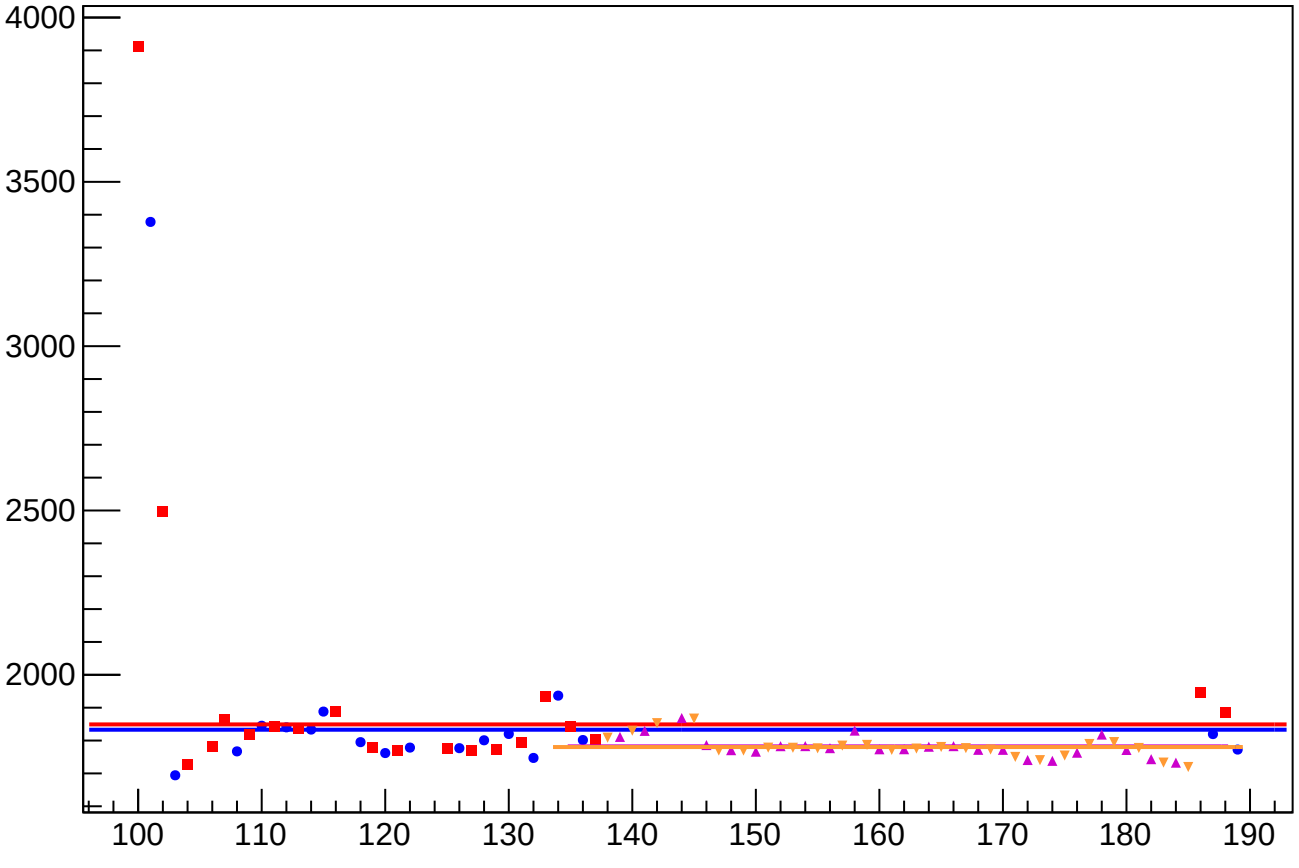
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -873.147+/-456.703 χ^2/NDF: 23.0/37

In: -734.459+/-351.504 χ^2/NDF:37.4/40

Out: -726.174+/-346.479 χ^2/NDF:40.2/43

All: -730.257+/-246.755 χ^2/NDF: 77.7/84



Right In: 1832.929+/-0.464 χ^2/NDF: 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1849.097+/-0.450 χ^2/NDF: 131367.0/19

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

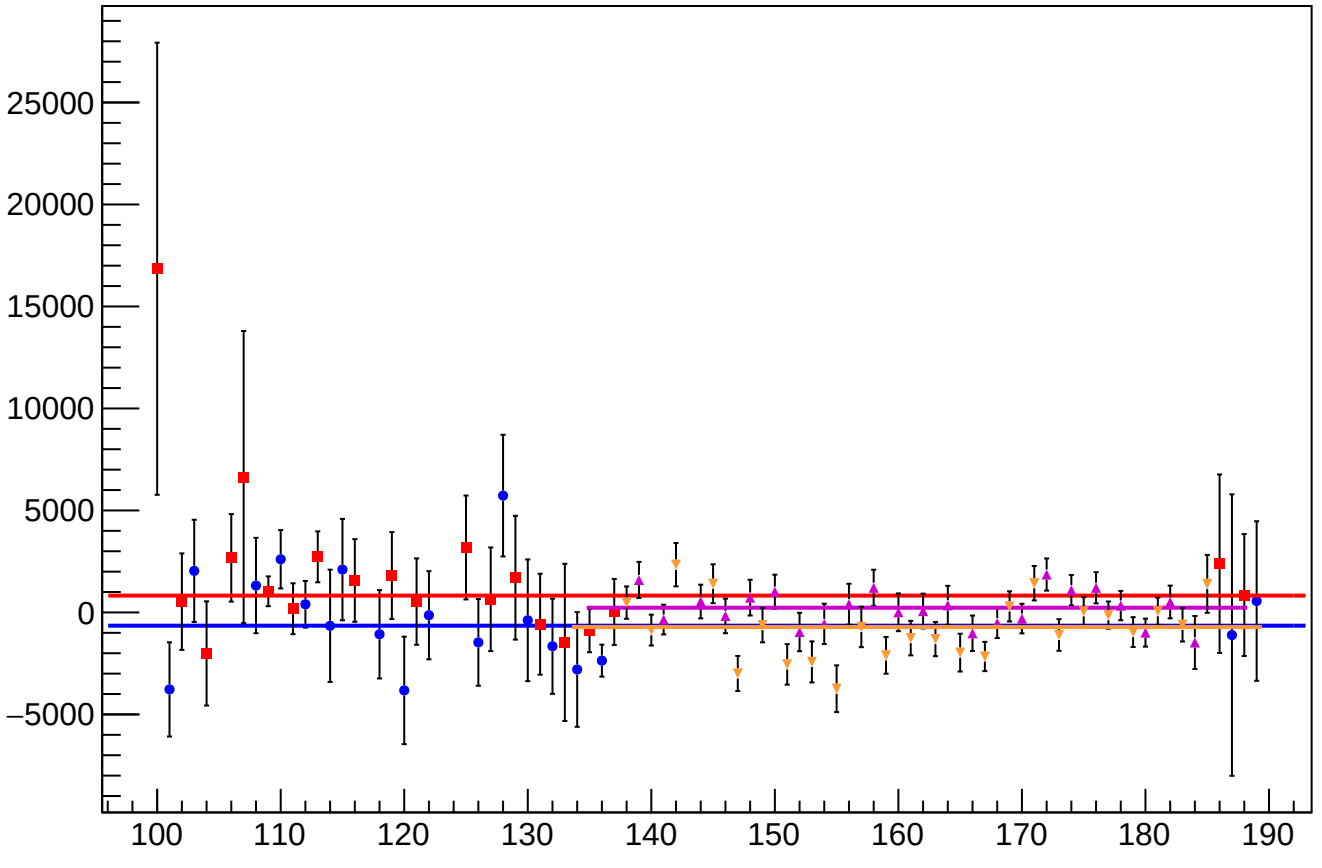
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1841.271+/-0.323 χ^2/NDF: 425343.2/37

In: 1796.816+/-0.249 χ^2/NDF:313068.9/40

Out: 1800.675+/-0.245 χ^2/NDF:158248.0/43

All: 1798.773+/-0.174 χ^2/NDF: 471439.2/84



Right In: -649.696+/-442.124 χ^2/NDF: 22.9/17

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 825.559+/-392.142 χ^2/NDF: 12.4/19

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

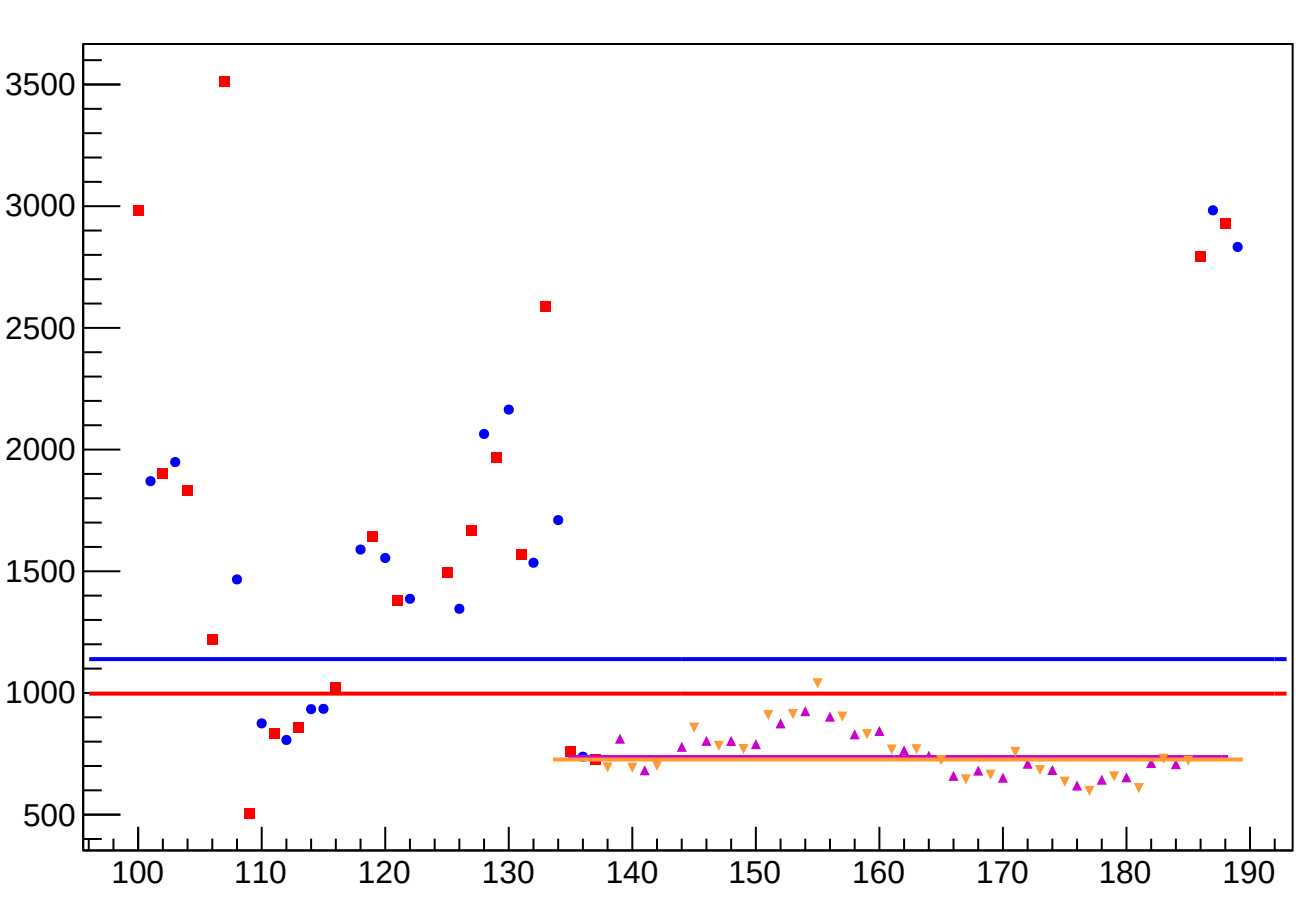
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 176.000+/-293.373 χ^2/NDF: 41.5/37

In: 113.827+/-161.457 χ^2/NDF:50.4/40

Out: -471.167+/-156.439 χ^2/NDF:84.7/43

All: -187.902+/-112.351 χ^2/NDF: 141.9/84



Right In: 1139.070+/-0.313 χ^2/NDF: 2499985.5/17

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 997.325+/-0.277 χ^2/NDF: 4255191.3/19

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

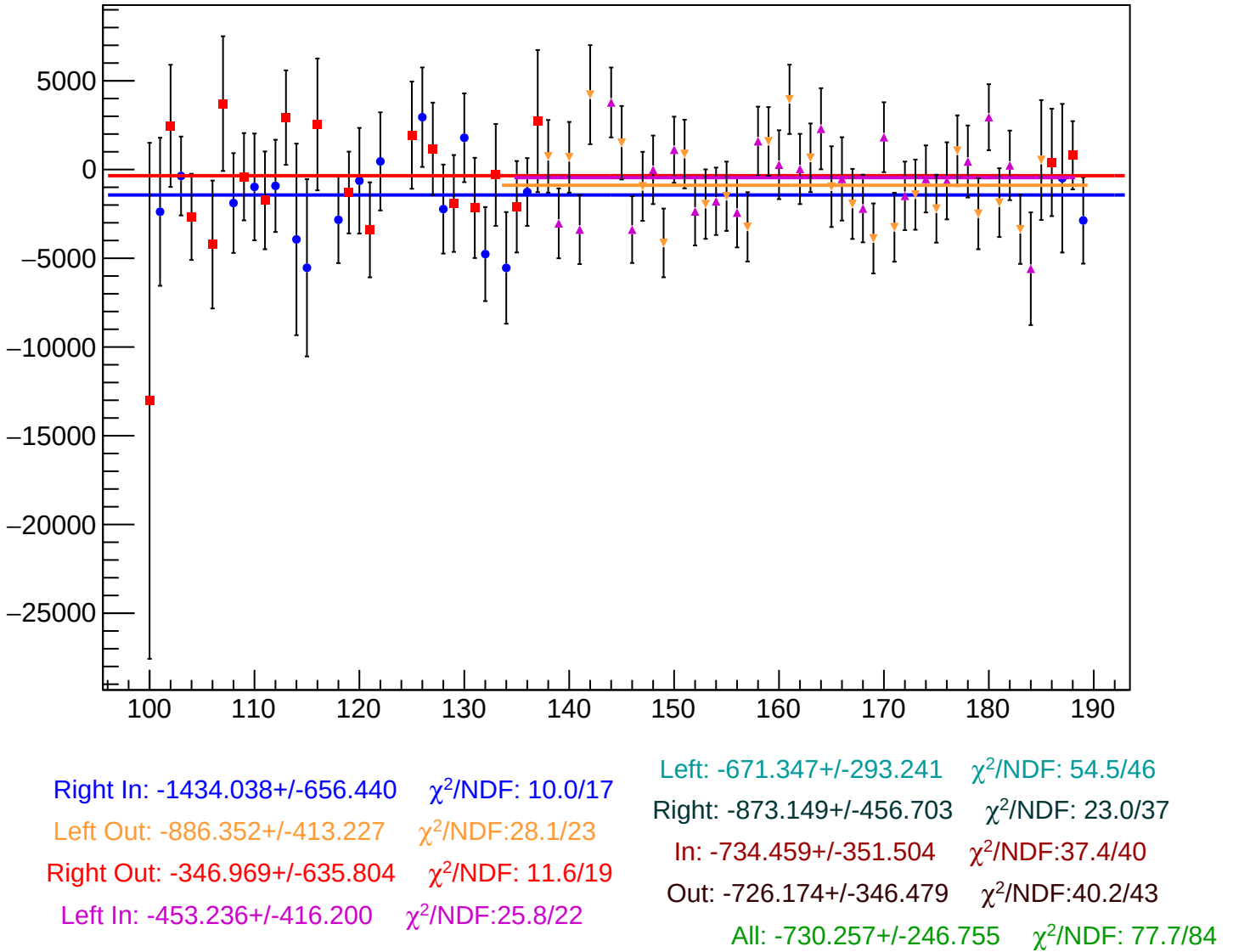
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

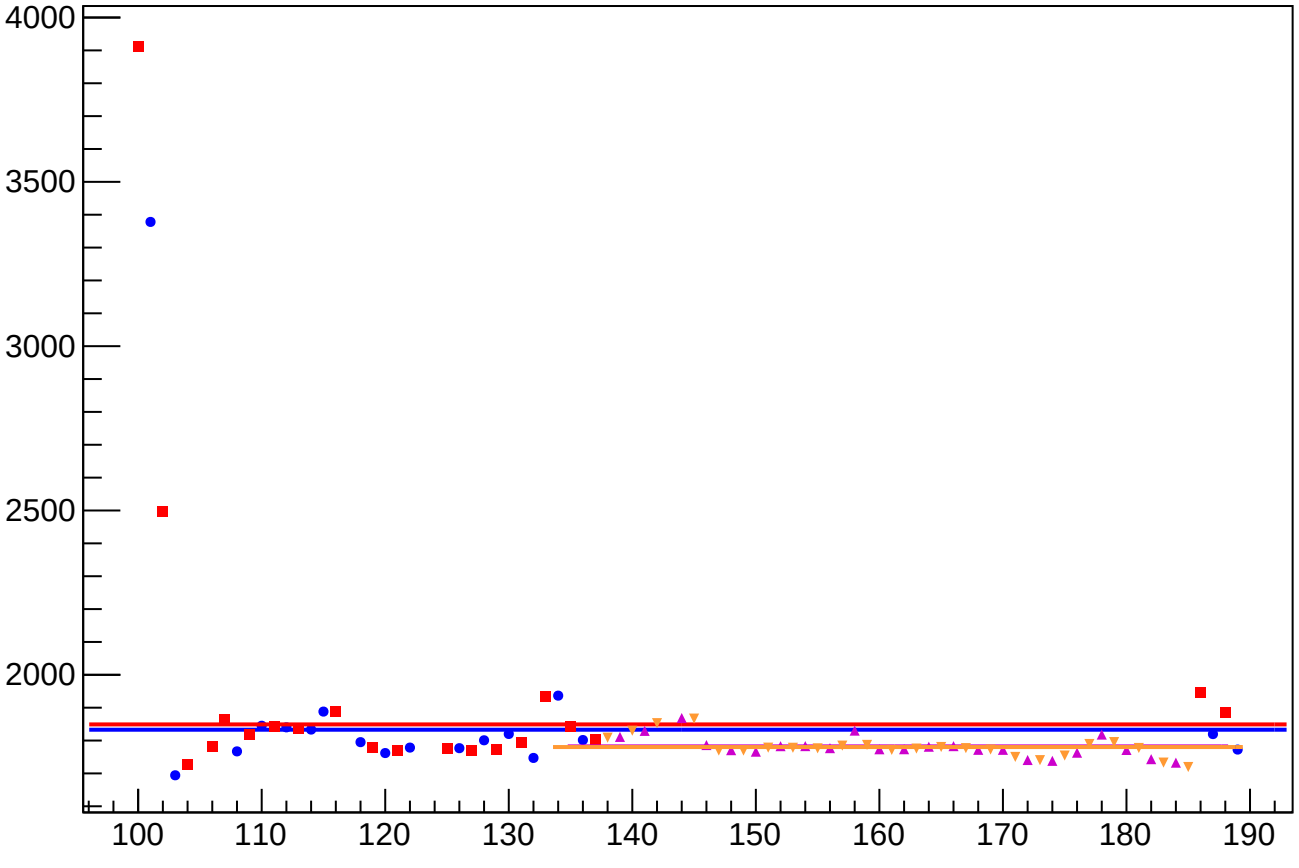
Right: 1059.736+/-0.207 χ^2/NDF: 6870233.6/37

In: 790.368+/-0.114 χ^2/NDF:4400556.5/40

Out: 769.689+/-0.111 χ^2/NDF:5741479.3/43

All: 779.703+/-0.079 χ^2/NDF: 10158957.6/84


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -1434.038+/-656.440 χ²/NDF: 10.0/17
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -346.969+/-635.804 χ²/NDF: 11.6/19
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -873.149+/-456.703 χ²/NDF: 23.0/37
In: -734.459+/-351.504 χ²/NDF:37.4/40
Out: -726.174+/-346.479 χ²/NDF:40.2/43
All: -730.257+/-246.755 χ²/NDF: 77.7/84



Right In: 1832.929+/-0.464 χ^2/NDF: 293350.2/17

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1849.097+/-0.450 χ^2/NDF: 131367.1/19

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

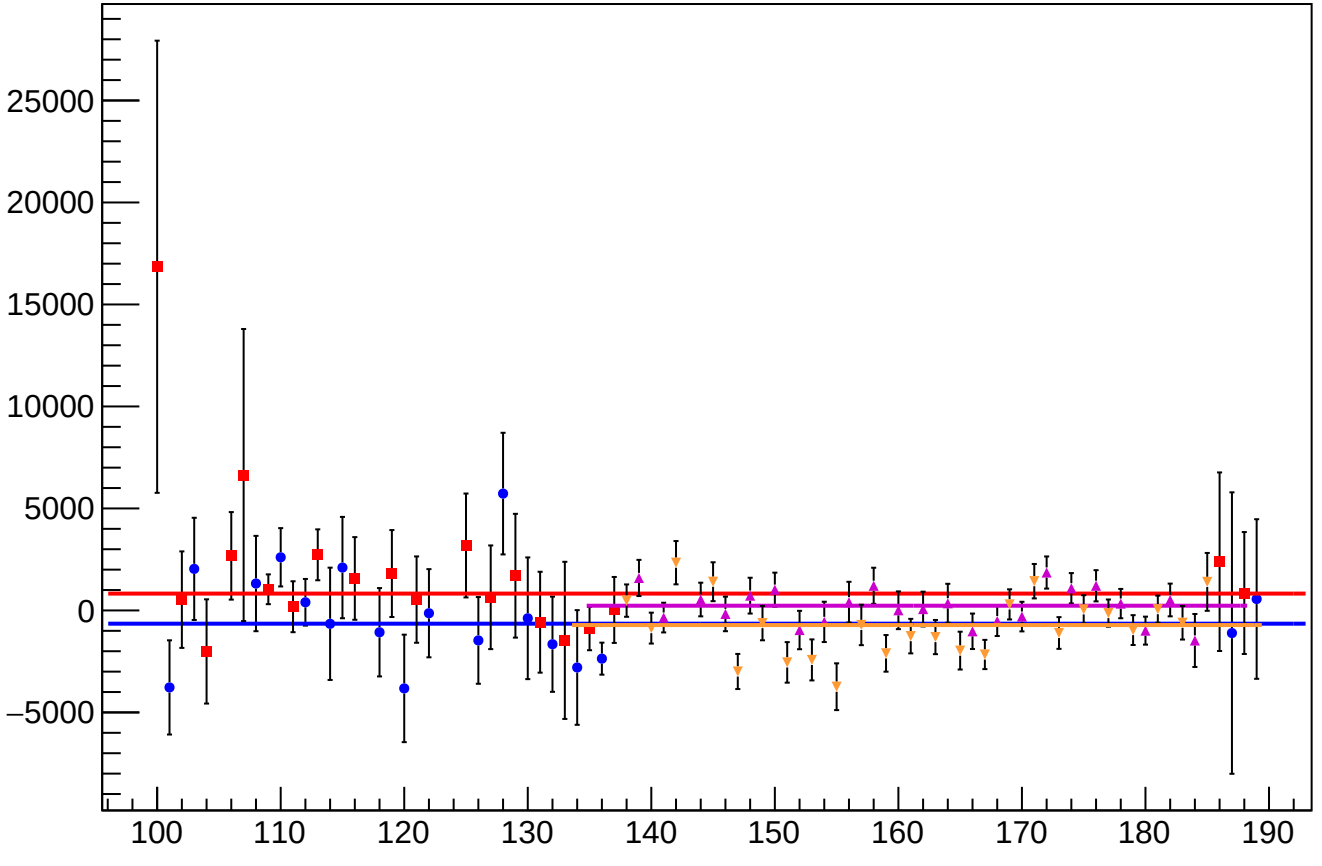
Right: 1841.271+/-0.323 χ^2/NDF: 425343.3/37

In: 1796.815+/-0.249 χ^2/NDF:313068.9/40

Out: 1800.674+/-0.245 χ^2/NDF:158248.2/43

All: 1798.773+/-0.174 χ^2/NDF: 471439.4/84

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -649.683+/-442.124 χ^2/NDF: 22.9/17

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 825.565+/-392.142 χ^2/NDF: 12.4/19

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

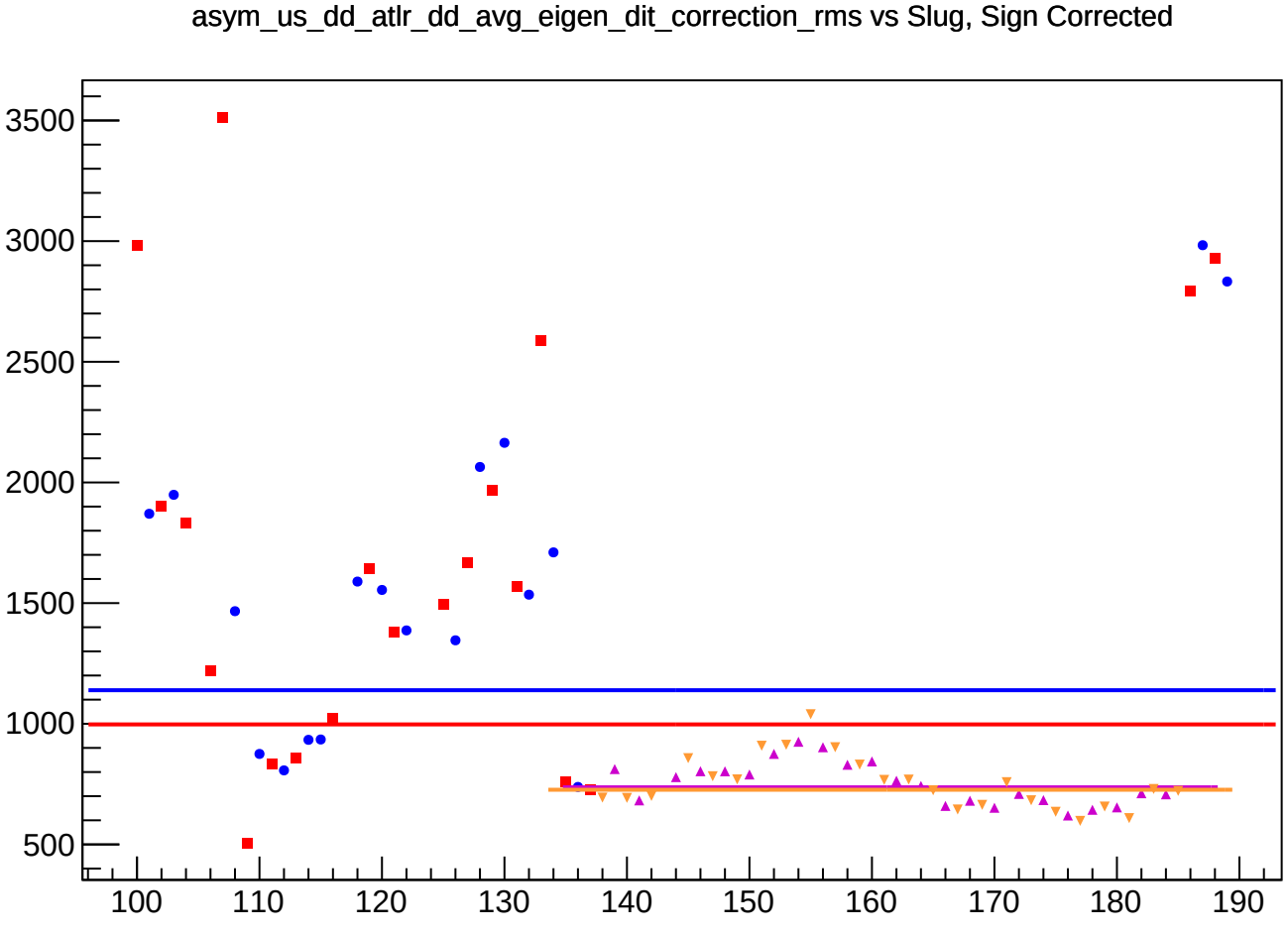
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

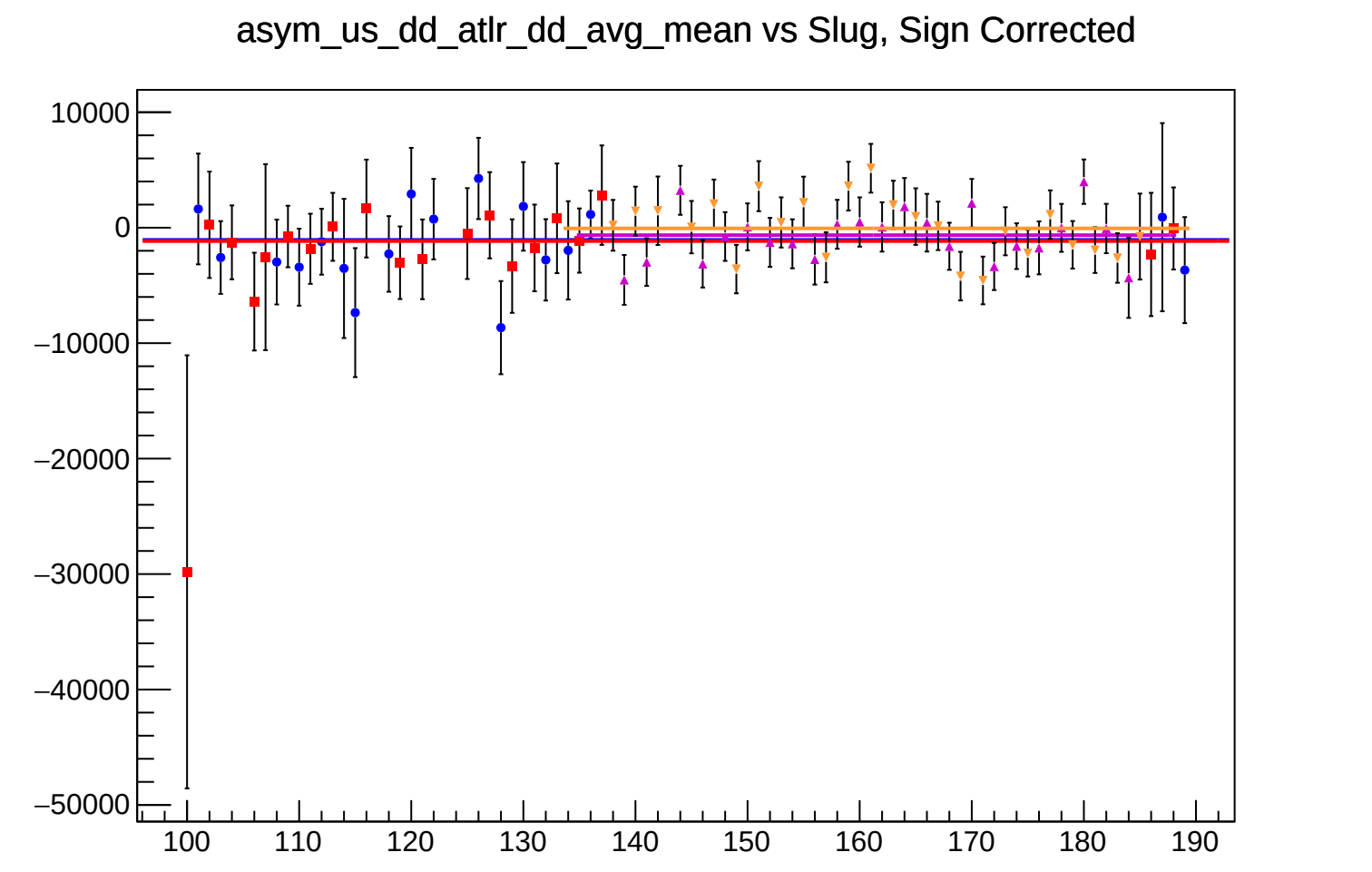
Right: 176.009+/-293.373 χ^2/NDF: 41.5/37

In: 113.828+/-161.457 χ^2/NDF:50.4/40

Out: -471.167+/-156.439 χ^2/NDF:84.7/43

All: -187.902+/-112.351 χ^2/NDF: 141.9/84


asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1139.073+/-0.313 χ²/NDF: 2499944.9/17
Left Out: 726.605+/-0.121 χ²/NDF:684780.2/23
Right Out: 997.327+/-0.277 χ²/NDF: 4255162.6/19
Left In: 736.709+/-0.123 χ²/NDF:465053.4/22
Left: 731.574+/-0.086 χ²/NDF: 1153283.6/46
Right: 1059.738+/-0.207 χ²/NDF: 6870164.9/37
In: 790.368+/-0.114 χ²/NDF:4400550.1/40
Out: 769.690+/-0.111 χ²/NDF:5741458.0/43
All: 779.703+/-0.079 χ²/NDF: 10158928.7/84



Right In: -1059.597+/-853.715 χ^2/NDF: 12.4/17

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1157.624+/-835.031 χ^2/NDF: 7.1/19

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

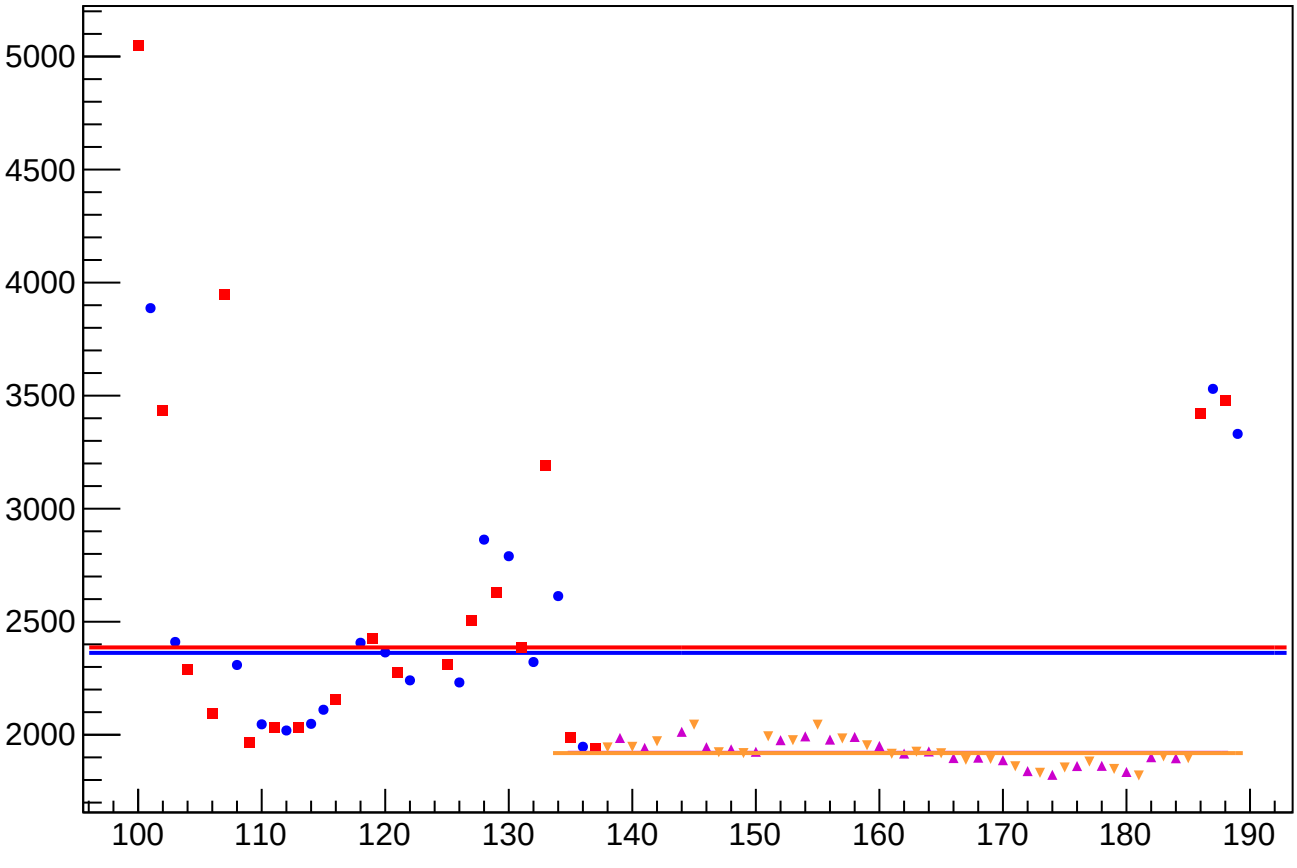
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -1109.695+/-596.952 χ^2/NDF: 19.5/37

In: -736.185+/-397.070 χ^2/NDF:36.2/40

Out: -302.966+/-393.128 χ^2/NDF:41.4/43

All: -517.414+/-279.367 χ^2/NDF: 78.3/84



Right In: 2362.236+/-0.604 χ^2/NDF: 538954.3/17

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2386.380+/-0.590 χ^2/NDF: 740557.0/19

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

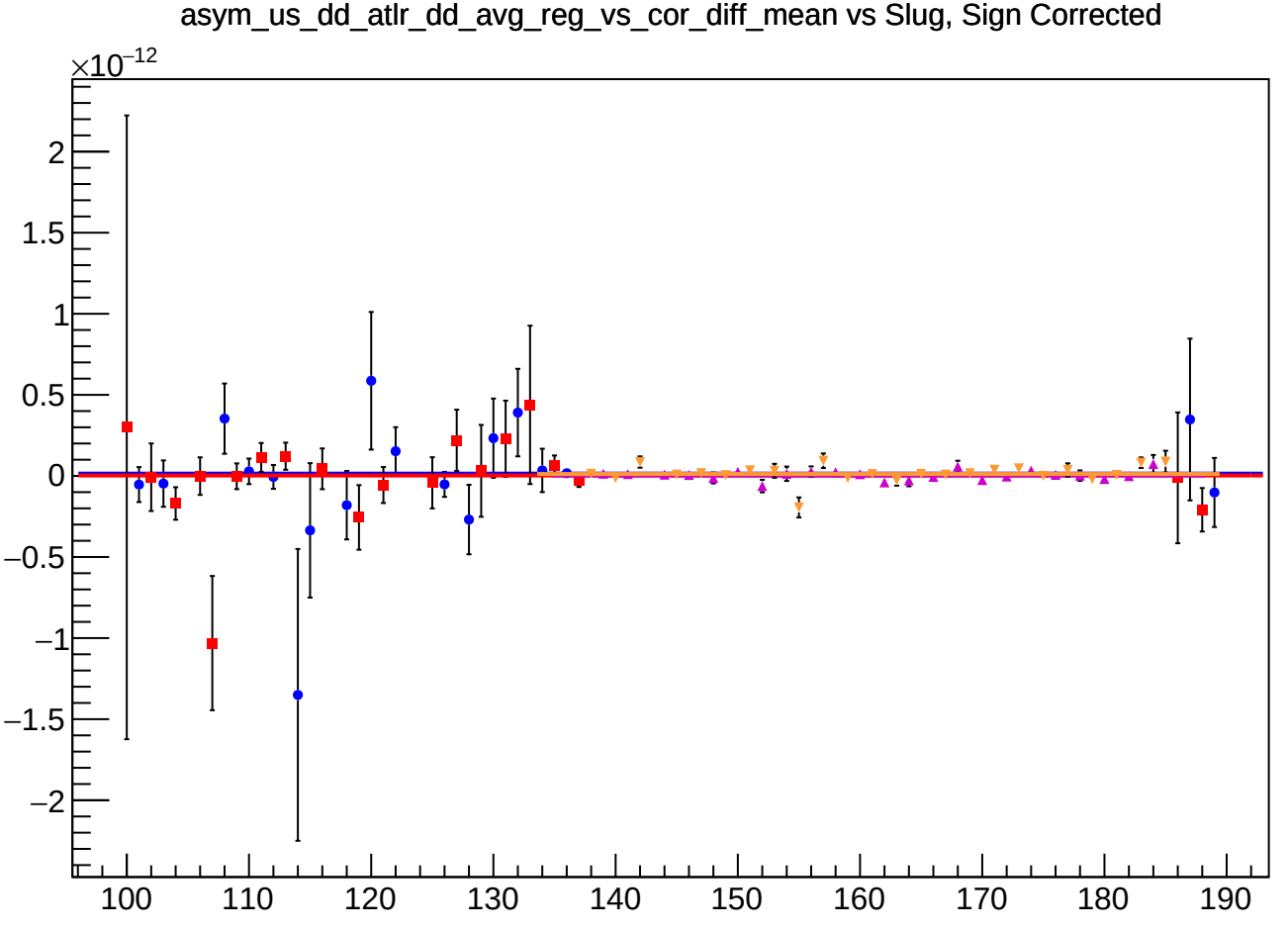
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2374.575+/-0.422 χ^2/NDF: 1280328.8/37

In: 2015.836+/-0.281 χ^2/NDF:989039.8/40

Out: 2022.576+/-0.278 χ^2/NDF:1263876.5/43

All: 2019.239+/-0.198 χ^2/NDF: 2253207.4/84



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/19

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

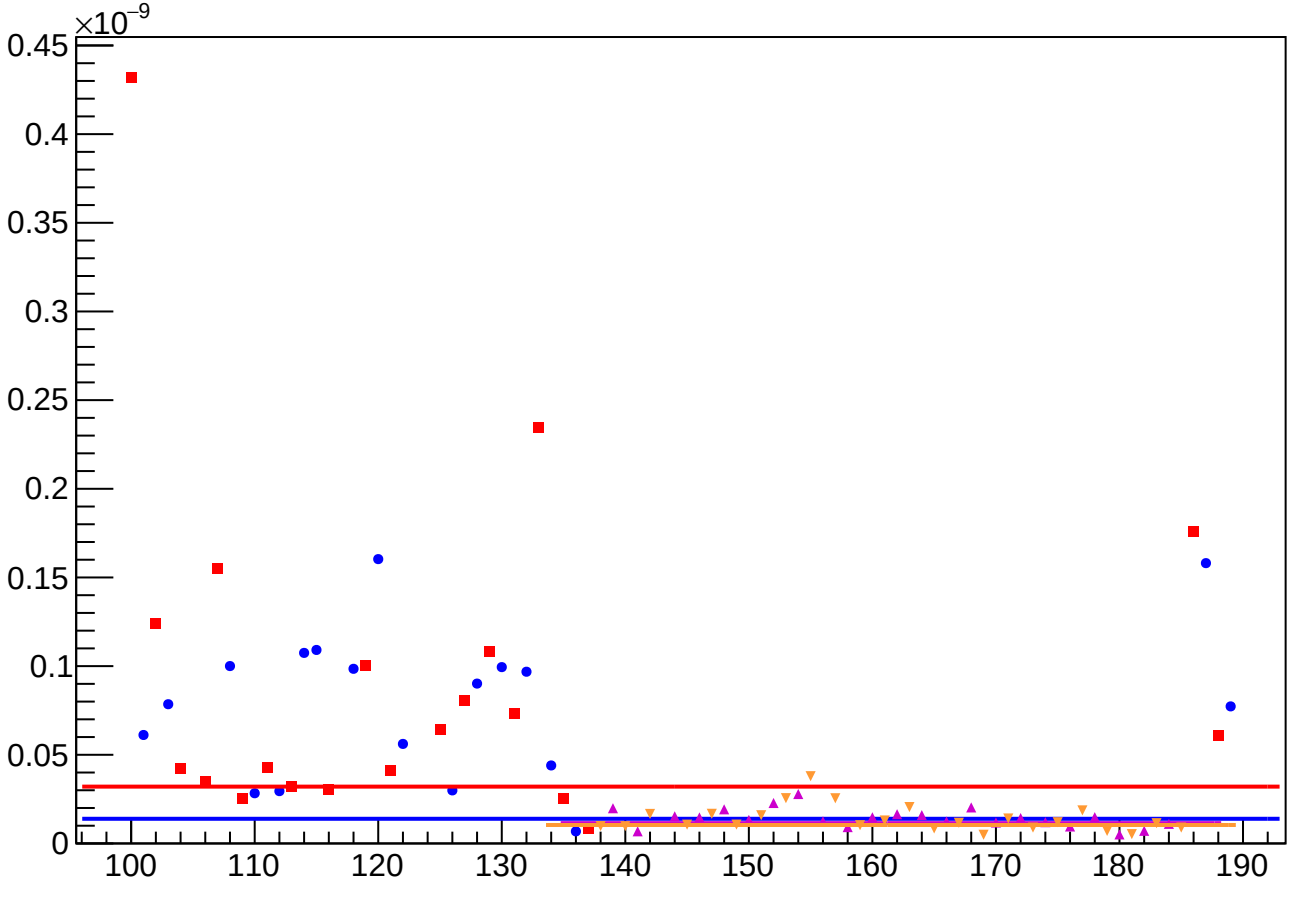
Right: 0.000+/-0.000 χ^2/NDF: 38.0/37

In: 0.000+/-0.000 χ^2/NDF:35.8/40

Out: 0.000+/-0.000 χ^2/NDF:60.3/43

All: 0.000+/-0.000 χ^2/NDF: 97.4/84

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3761847.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2702987.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

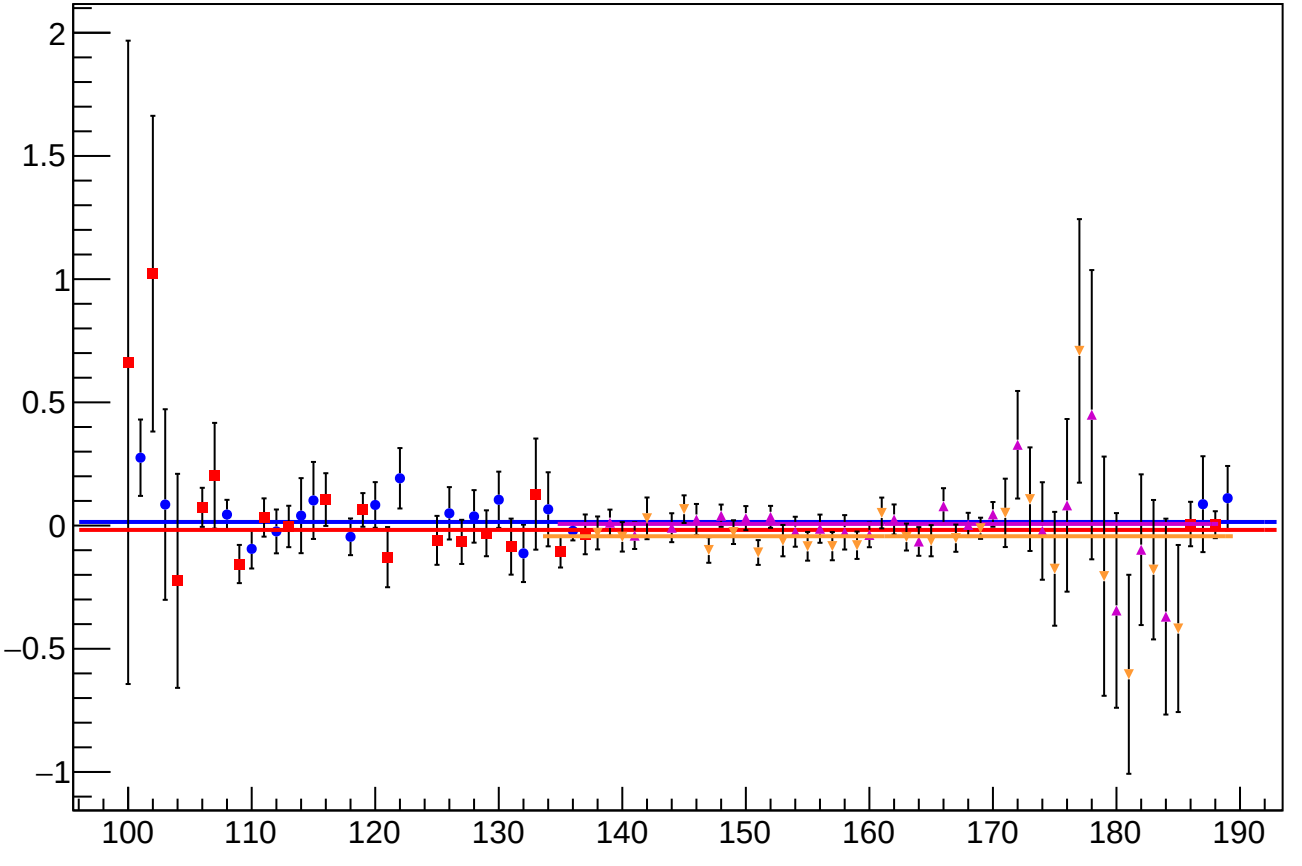
Right: 0.000+/-0.000 χ^2/NDF: 7336250.5/37

In: 0.000+/-0.000 χ^2/NDF:5711115.7/40

Out: 0.000+/-0.000 χ^2/NDF:6384757.4/43

All: 0.000+/-0.000 χ^2/NDF: 12107167.8/84

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

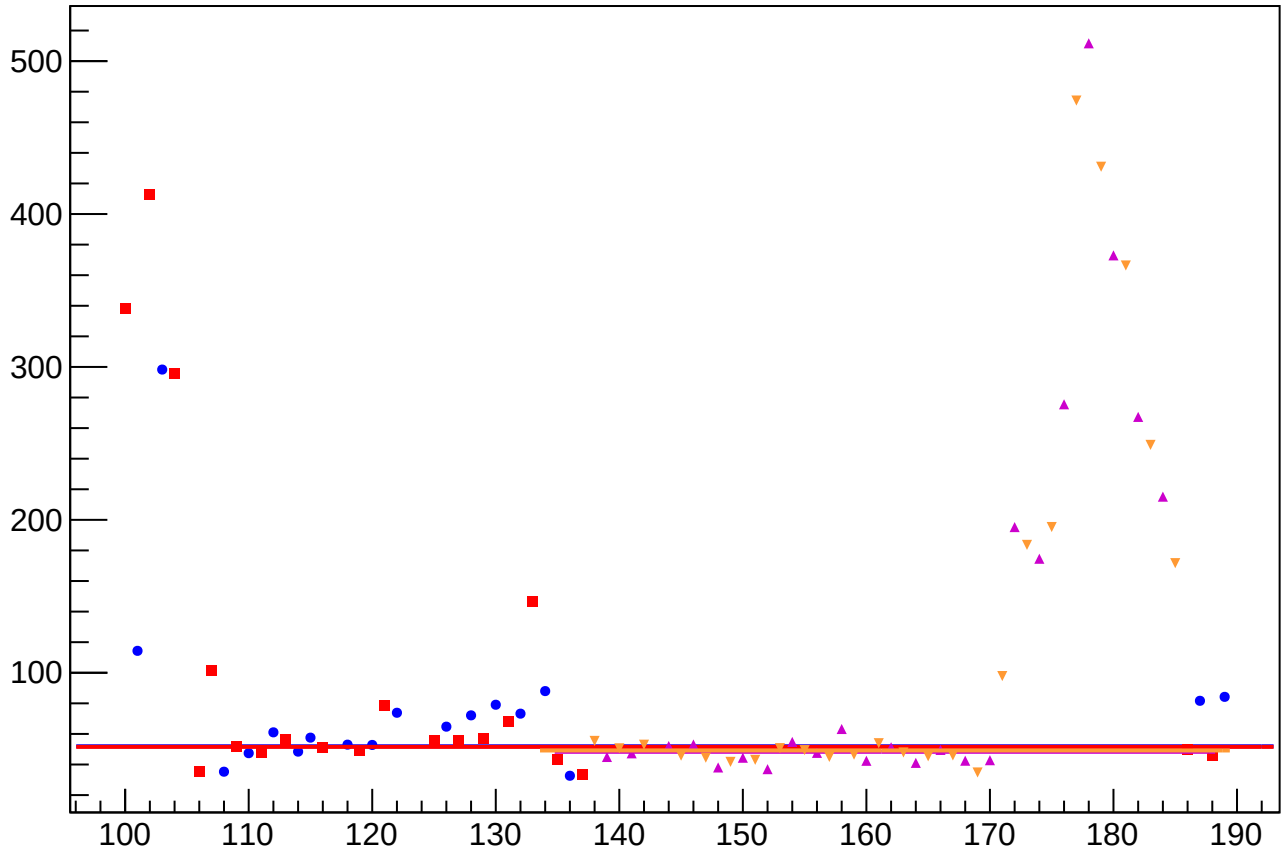
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.002+/-0.015 χ^2/NDF: 29.8/37

In: 0.009+/-0.011 χ^2/NDF:23.8/40

Out: -0.035+/-0.012 χ^2/NDF:36.1/43

All: -0.013+/-0.008 χ^2/NDF: 67.4/84



Right In: 51.927+/-0.015 χ^2/NDF: 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 51.535+/-0.015 χ^2/NDF: 2239338.2/19

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

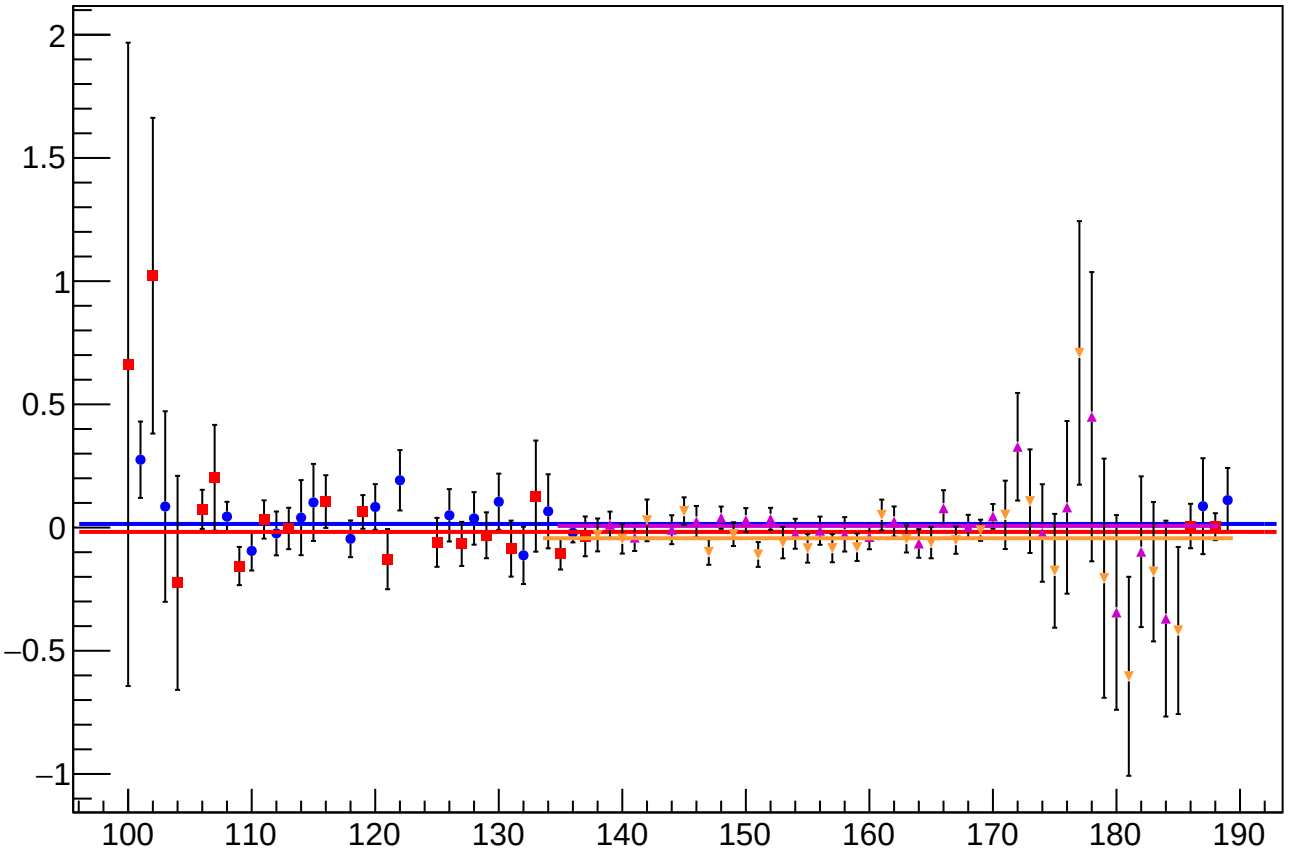
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 51.724+/-0.011 χ^2/NDF: 4682075.0/37

In: 49.337+/-0.008 χ^2/NDF:9523836.1/40

Out: 49.912+/-0.008 χ^2/NDF:9507247.8/43

All: 49.622+/-0.006 χ^2/NDF: 19033584.9/84



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

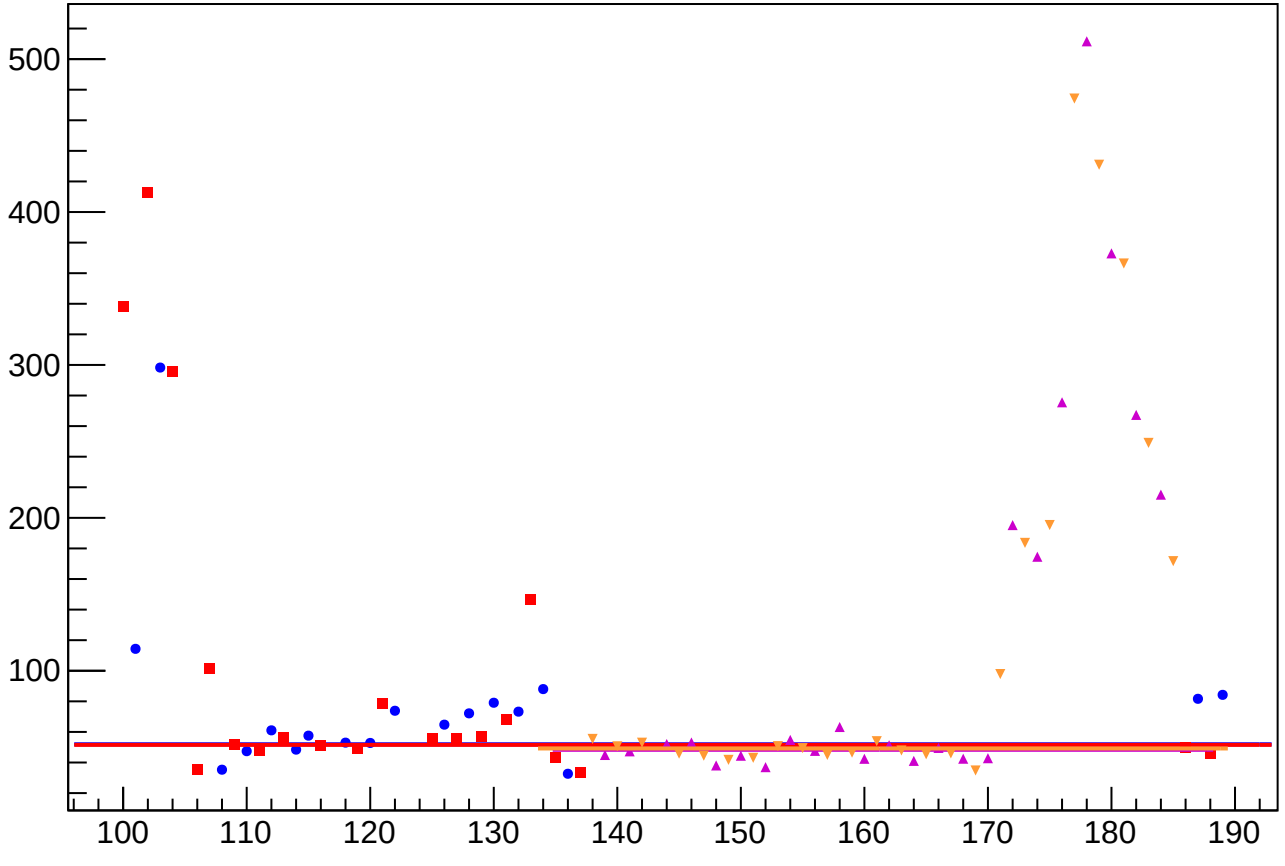
Right: -0.002+/-0.015 χ^2/NDF: 29.8/37

In: 0.009+/-0.011 χ^2/NDF:23.8/40

Out: -0.035+/-0.012 χ^2/NDF:36.1/43

All: -0.013+/-0.008 χ^2/NDF: 67.4/84

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.927+/-0.015 χ^2/NDF: 2442391.9/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 51.535+/-0.015 χ^2/NDF: 2239338.2/19

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

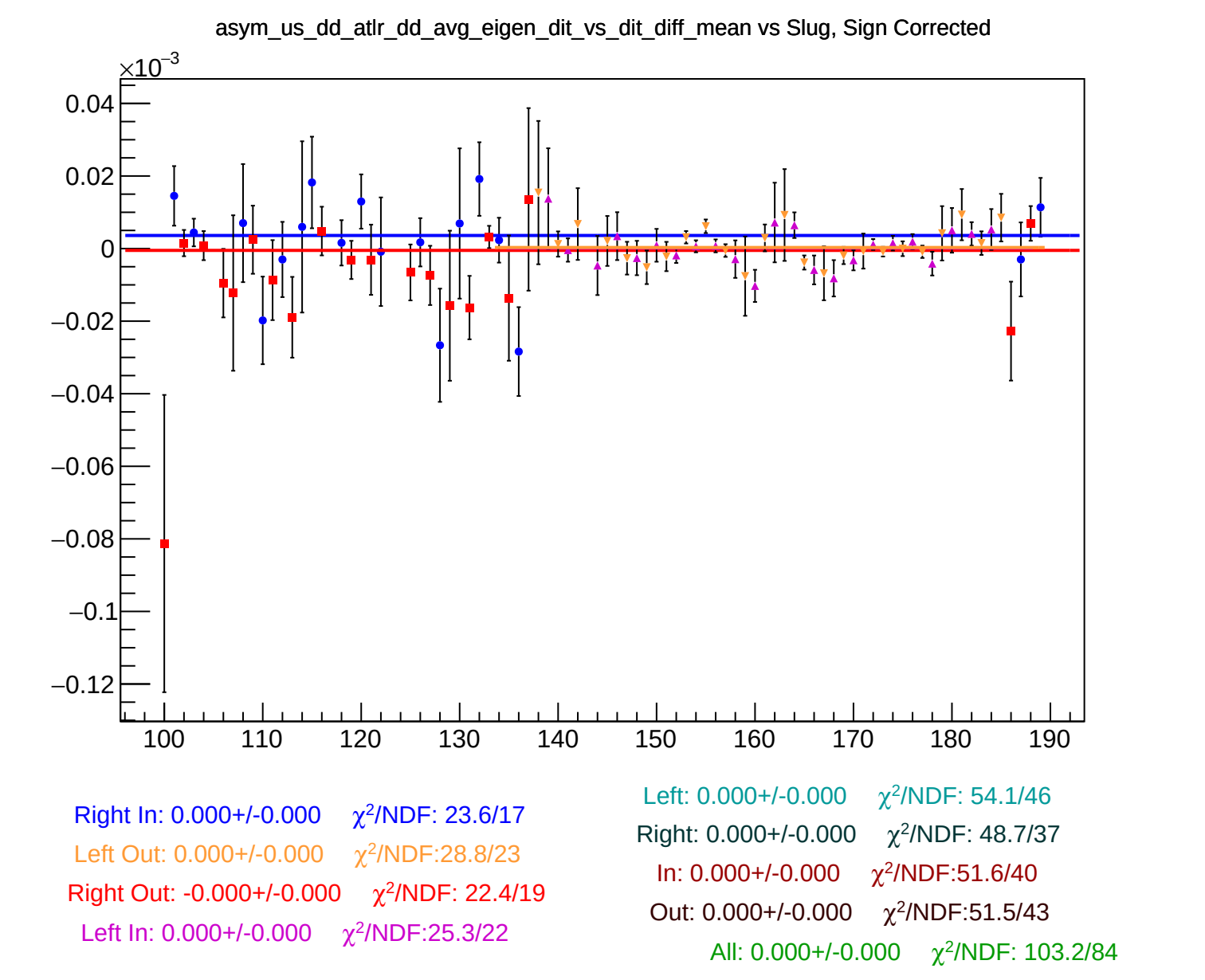
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

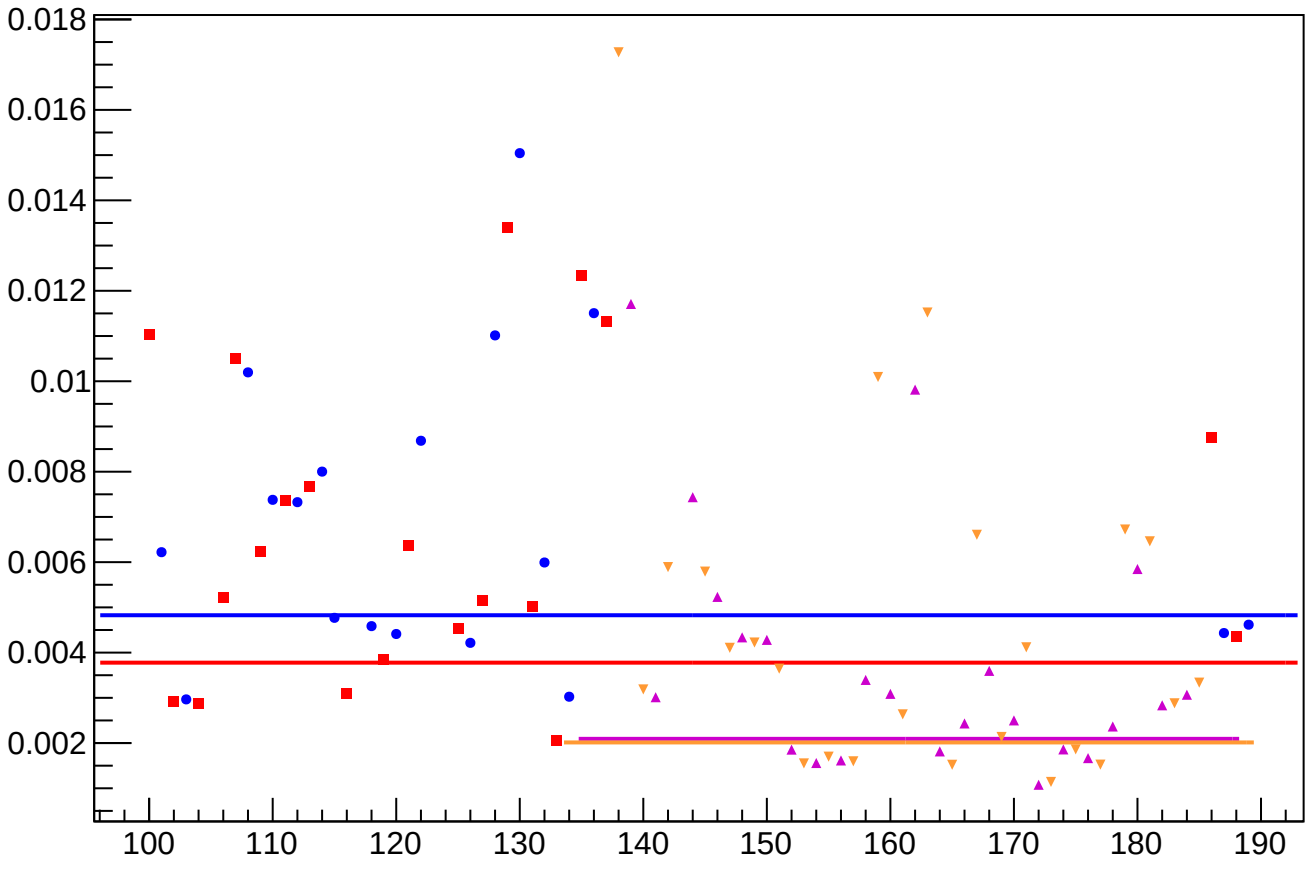
Right: 51.724+/-0.011 χ^2/NDF: 4682075.0/37

In: 49.337+/-0.008 χ^2/NDF:9523836.1/40

Out: 49.912+/-0.008 χ^2/NDF:9507247.8/43

All: 49.622+/-0.006 χ^2/NDF: 19033584.9/84


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 23.6/17
Left Out: 0.000+/-0.000 χ²/NDF:28.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.4/19
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 54.1/46
Right: 0.000+/-0.000 χ²/NDF: 48.7/37
In: 0.000+/-0.000 χ²/NDF:51.6/40
Out: 0.000+/-0.000 χ²/NDF:51.5/43
All: 0.000+/-0.000 χ²/NDF: 103.2/84



Right In: 0.005+/-0.000 χ^2/NDF: 2749821.1/17

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 3416919.4/19

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

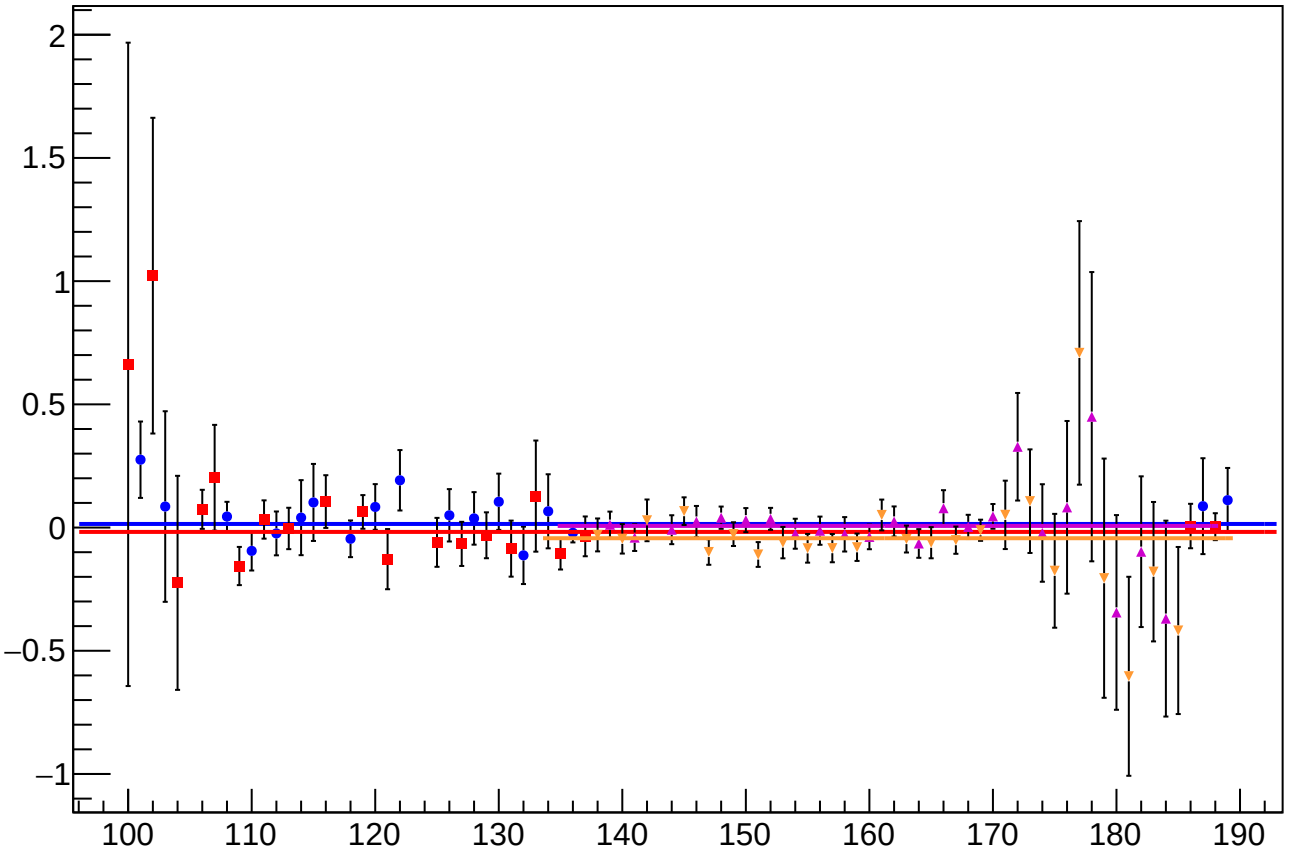
Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

Right: 0.004+/-0.000 χ^2/NDF: 6527404.6/37

In: 0.002+/-0.000 χ^2/NDF:13386482.1/40

Out: 0.002+/-0.000 χ^2/NDF:16157652.8/43

All: 0.002+/-0.000 χ^2/NDF: 29570614.5/84



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

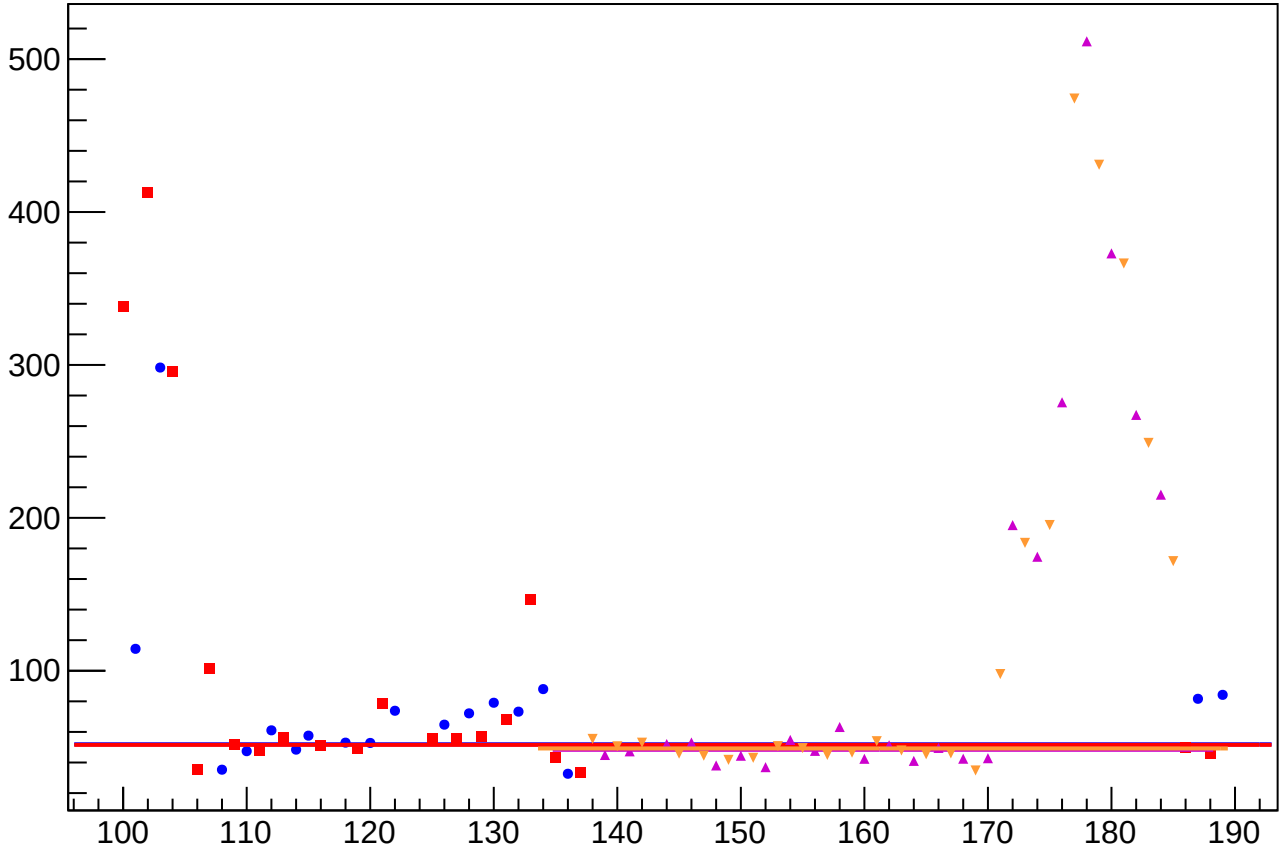
Right: -0.002+/-0.015 χ^2/NDF: 29.8/37

In: 0.009+/-0.011 χ^2/NDF:23.8/40

Out: -0.035+/-0.012 χ^2/NDF:36.1/43

All: -0.013+/-0.008 χ^2/NDF: 67.4/84

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.927+/-0.015 χ^2/NDF: 2442300.3/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 51.536+/-0.015 χ^2/NDF: 2239218.4/19

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

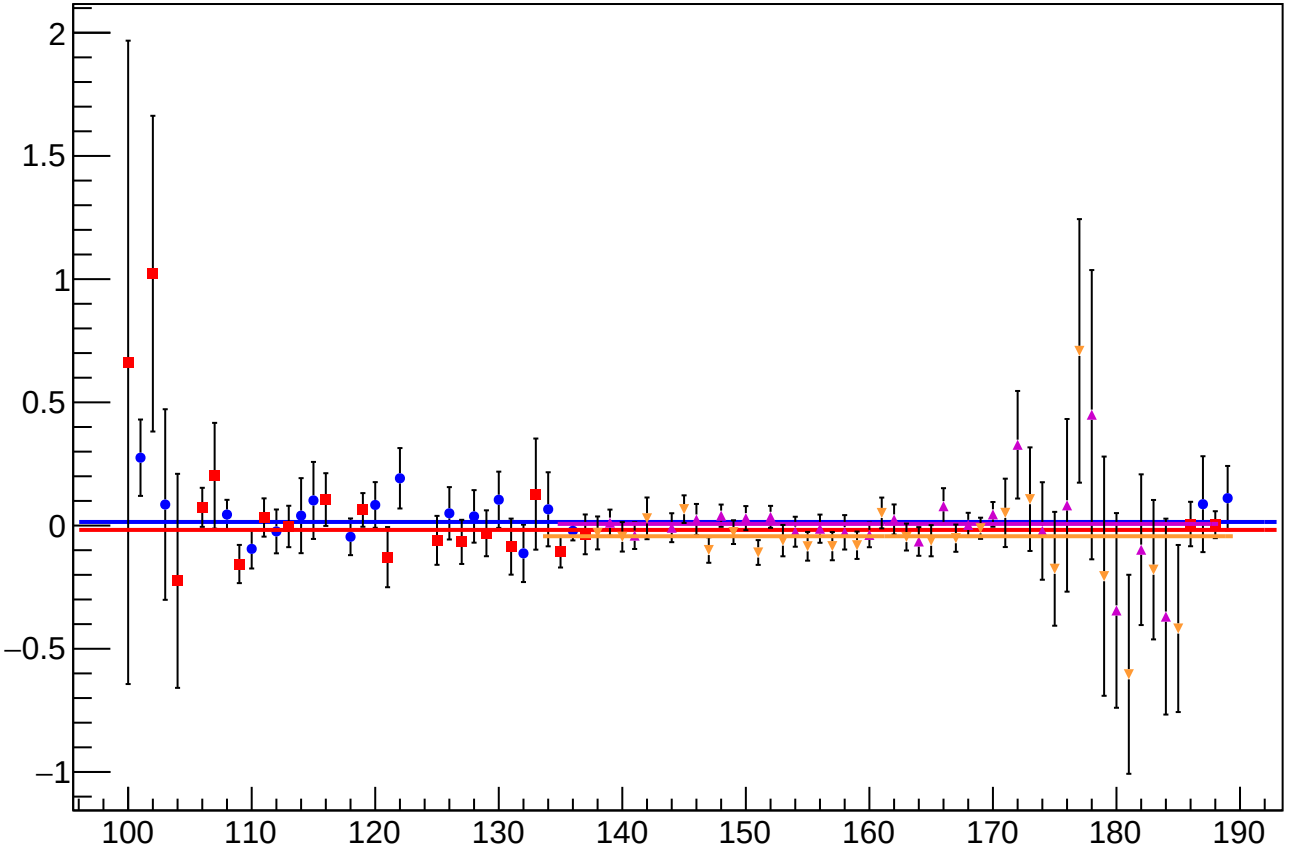
Right: 51.725+/-0.011 χ^2/NDF: 4681863.1/37

In: 49.337+/-0.008 χ^2/NDF:9523670.8/40

Out: 49.912+/-0.008 χ^2/NDF:9507154.0/43

All: 49.622+/-0.006 χ^2/NDF: 19033322.8/84

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.021 χ^2/NDF: 12.4/17

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

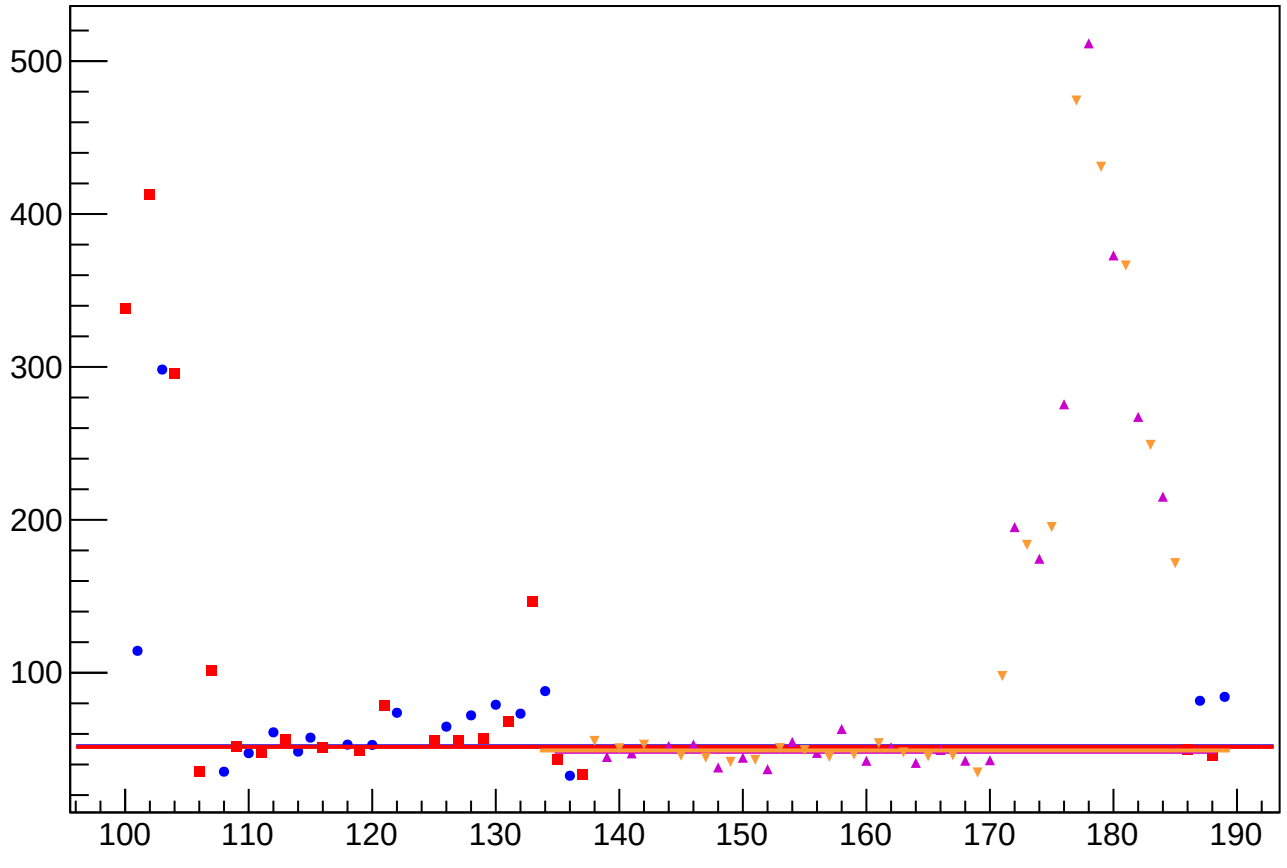
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.002+/-0.015 χ^2/NDF: 29.8/37

In: 0.009+/-0.011 χ^2/NDF:23.8/40

Out: -0.035+/-0.012 χ^2/NDF:36.1/43

All: -0.013+/-0.008 χ^2/NDF: 67.4/84



Right In: 51.927+/-0.015 χ^2/NDF: 2442300.3/17

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 51.536+/-0.015 χ^2/NDF: 2239218.4/19

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

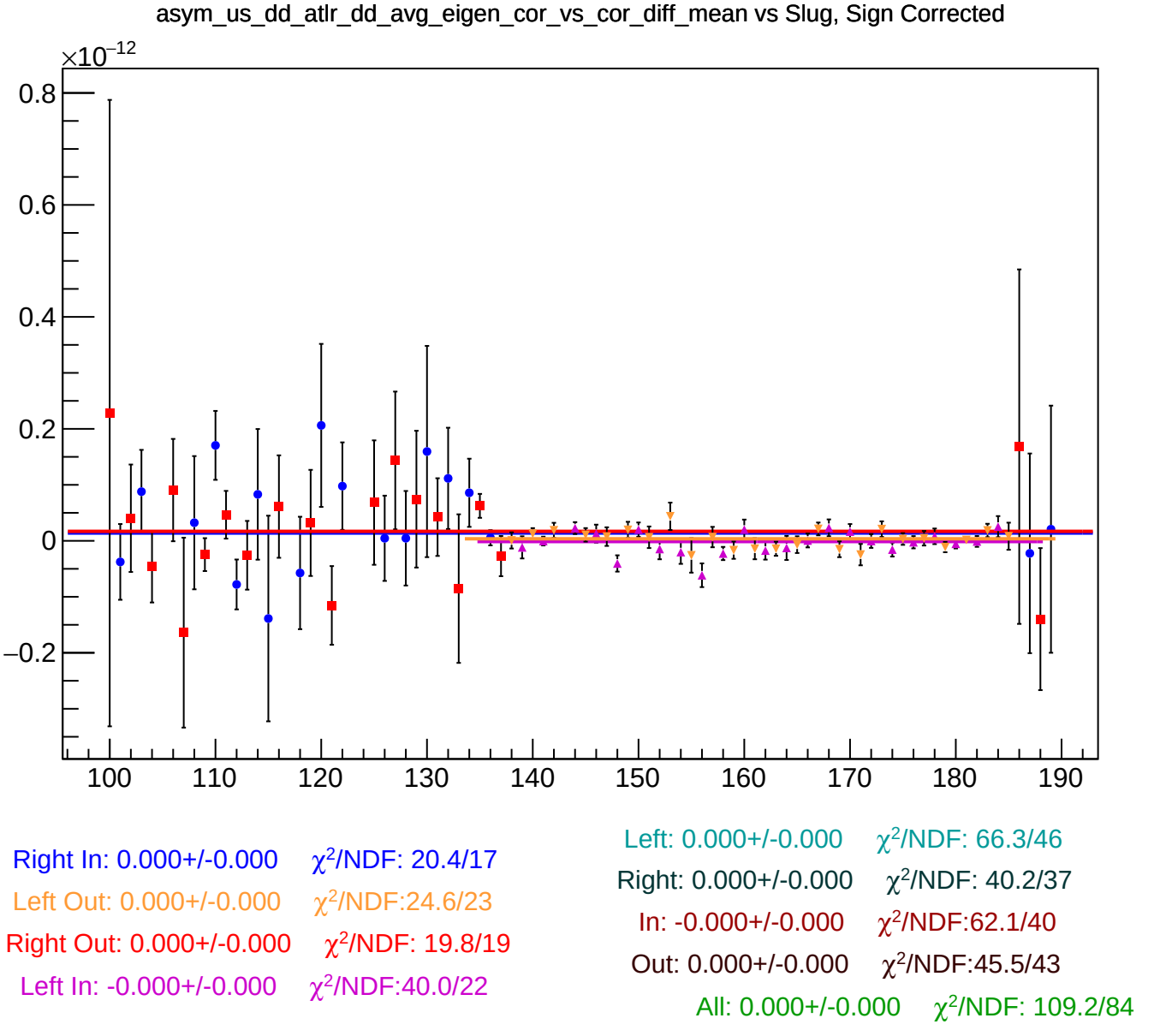
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

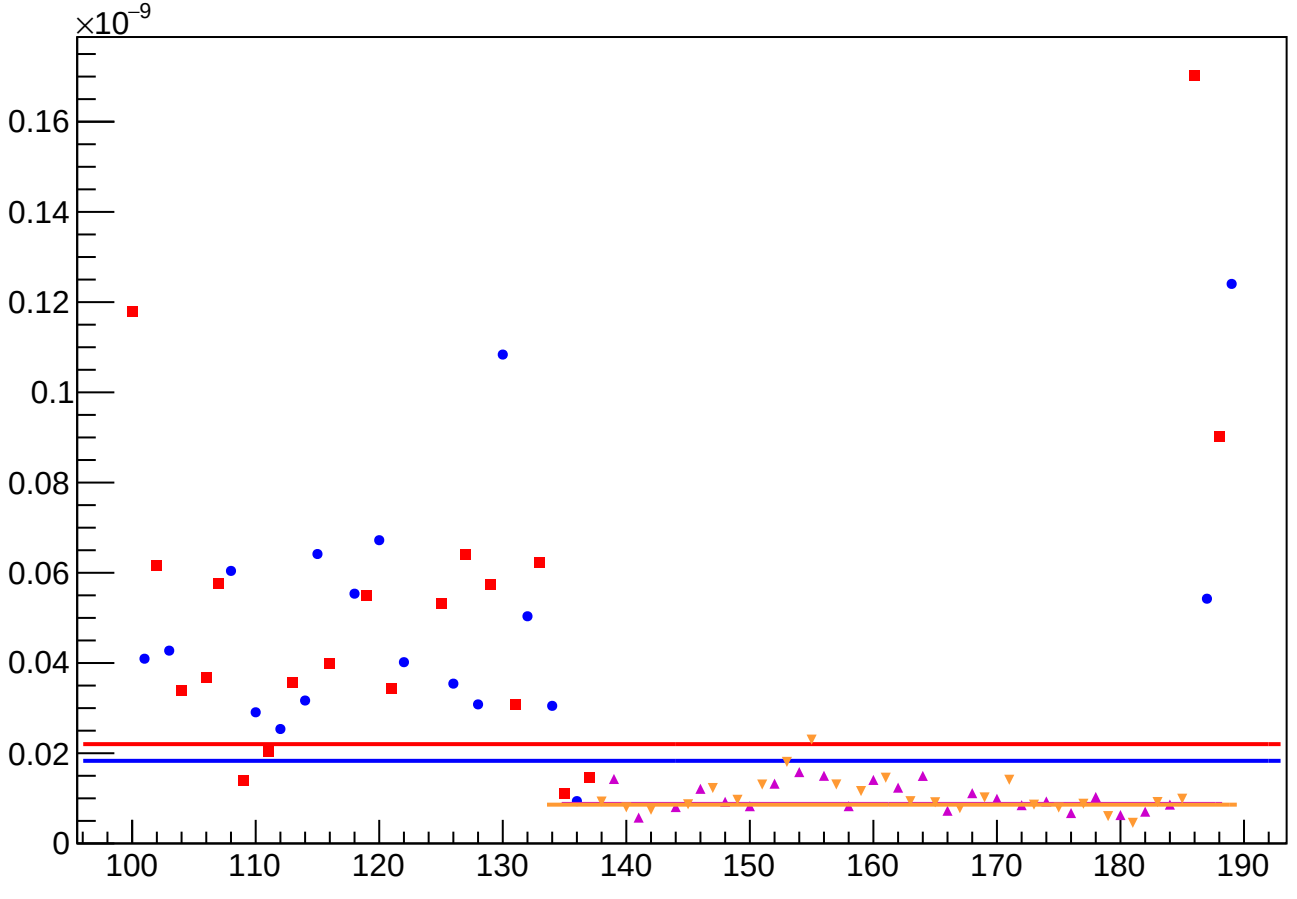
Right: 51.725+/-0.011 χ^2/NDF: 4681863.1/37

In: 49.337+/-0.008 χ^2/NDF:9523670.8/40

Out: 49.912+/-0.008 χ^2/NDF:9507154.0/43

All: 49.622+/-0.006 χ^2/NDF: 19033322.8/84


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
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.4/17
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.8/19
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: 40.2/37
In: -0.000+/-0.000 χ²/NDF:62.1/40
Out: 0.000+/-0.000 χ²/NDF:45.5/43
All: 0.000+/-0.000 χ²/NDF: 109.2/84



Right In: 0.000+/-0.000 χ^2/NDF: 3941474.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3646666.0/19

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

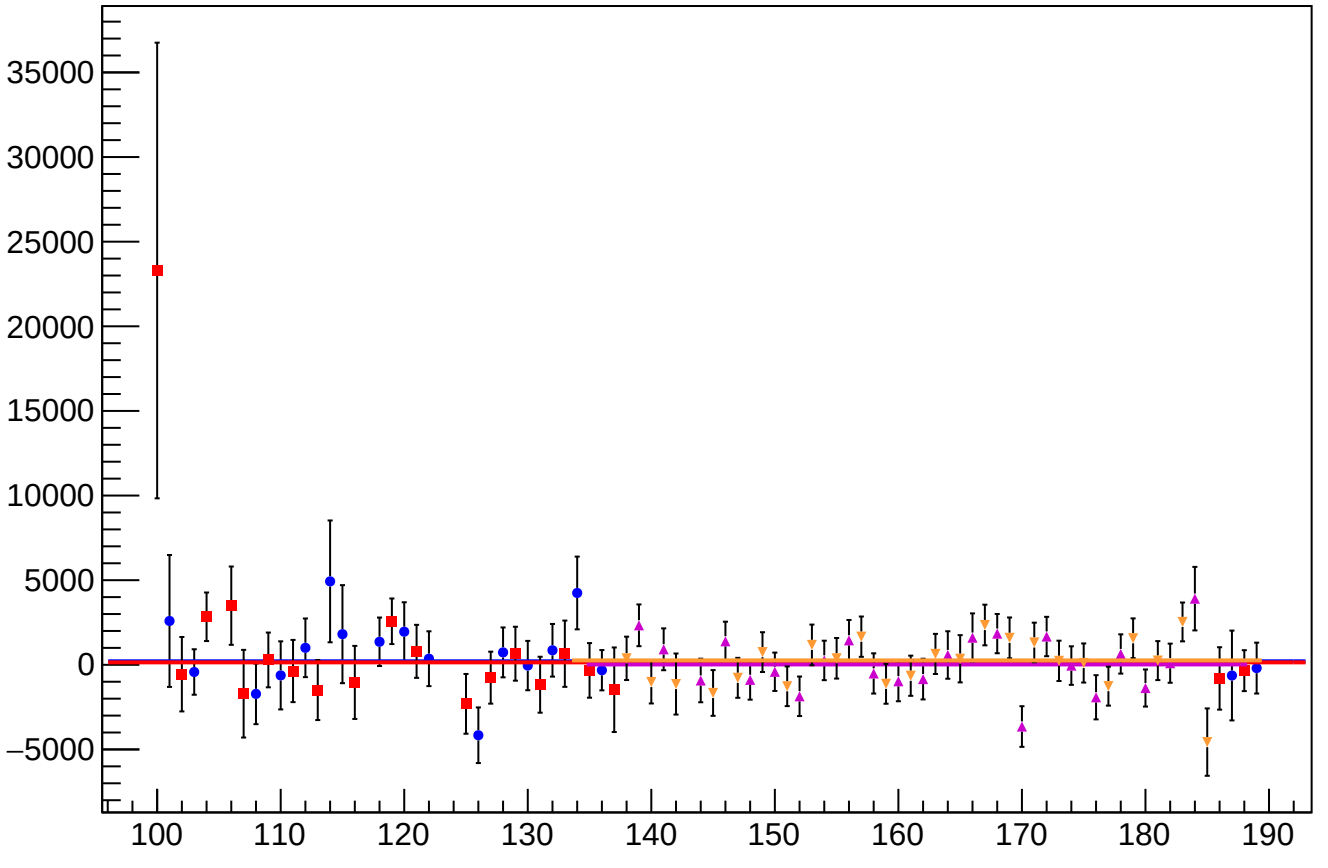
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 7685190.7/37

In: 0.000+/-0.000 χ^2/NDF:7251663.2/40

Out: 0.000+/-0.000 χ^2/NDF:8362877.2/43

All: 0.000+/-0.000 χ^2/NDF: 15615770.0/84



Right In: 207.282+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 144.612+/-392.408 χ^2/NDF: 17.9/19

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

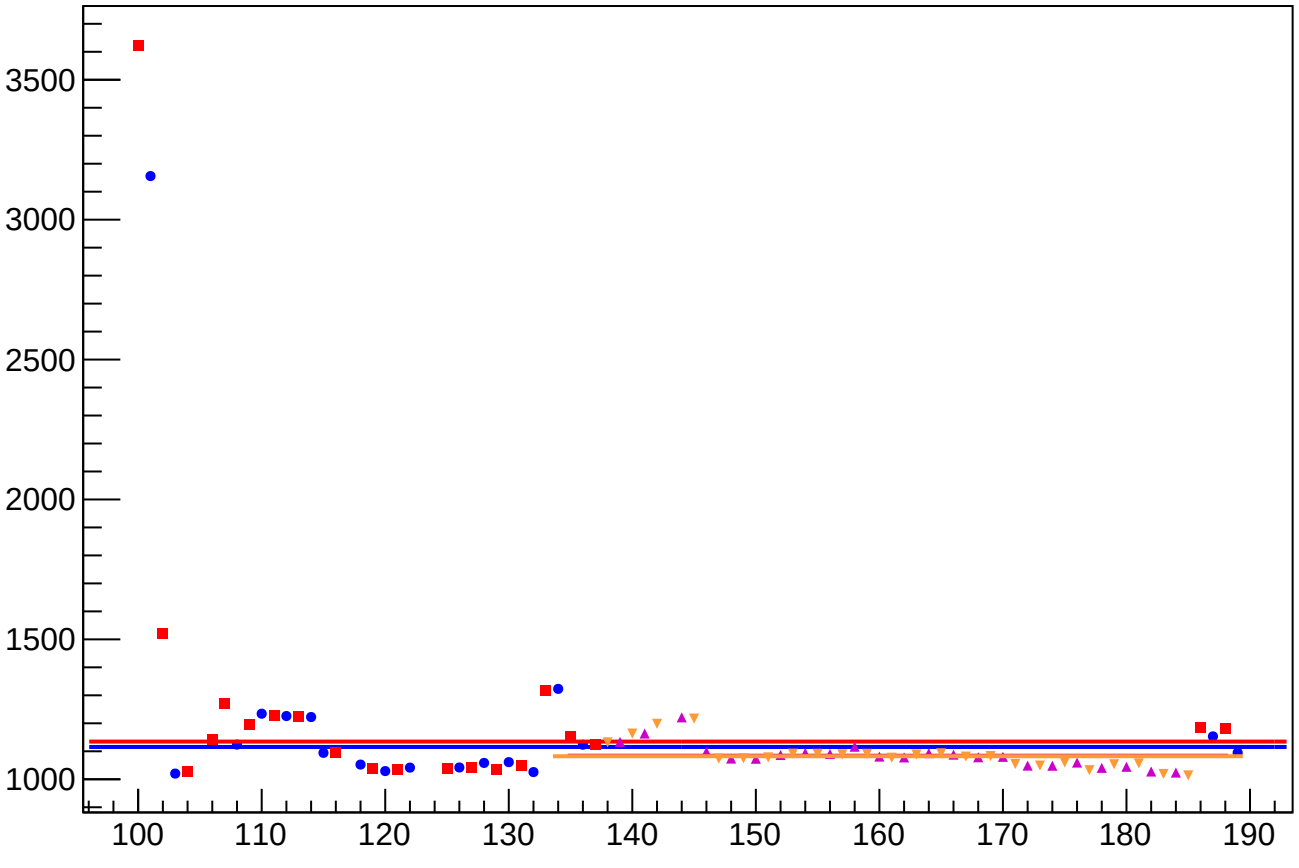
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 175.043+/-281.447 χ^2/NDF: 35.0/37

In: 74.576+/-214.610 χ^2/NDF:53.1/40

Out: 226.882+/-211.684 χ^2/NDF:46.2/43

All: 151.775+/-150.707 χ^2/NDF: 99.5/84



Right In: 1115.405+/-0.286 χ^2/NDF: 624183.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1134.679+/-0.277 χ^2/NDF: 227609.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

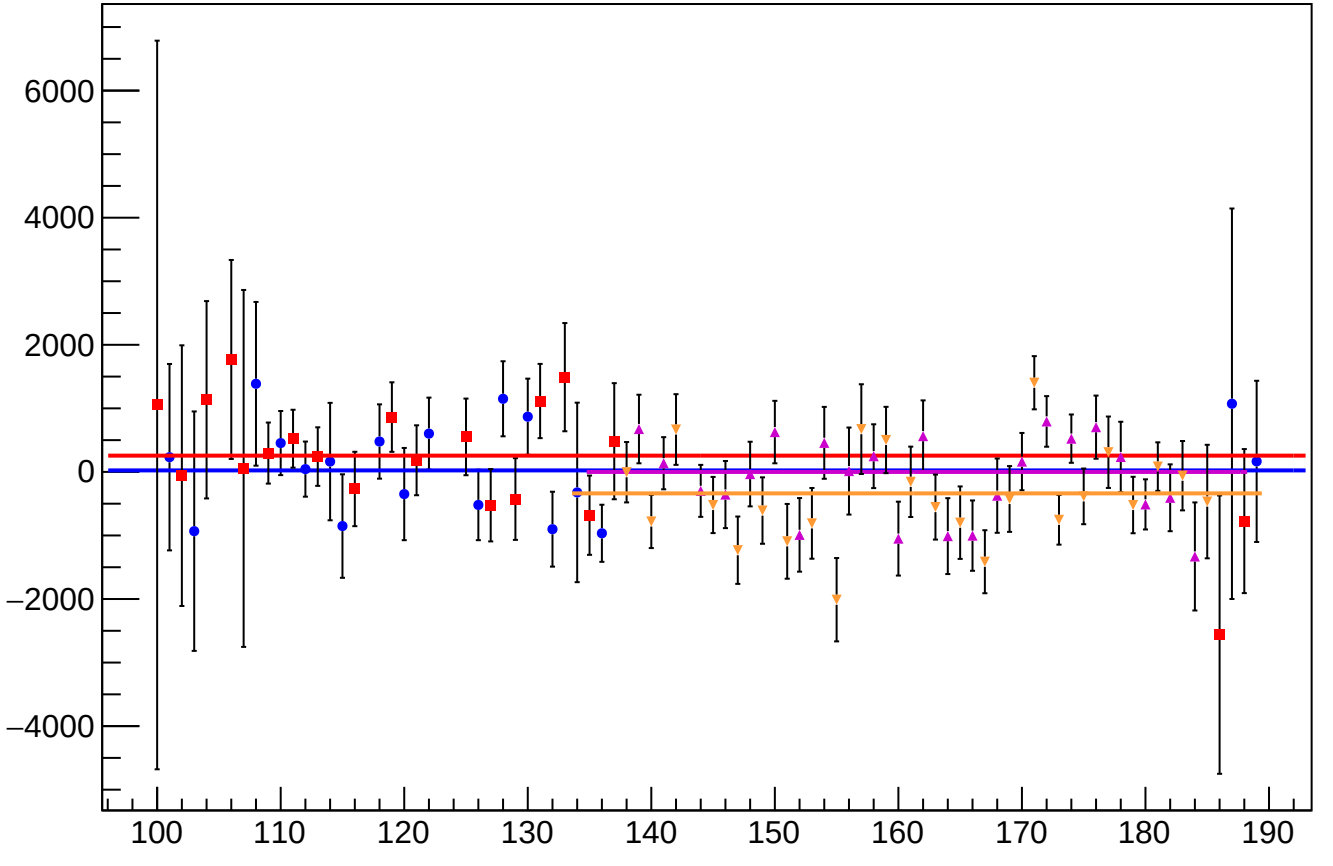
Right: 1125.320+/-0.199 χ^2/NDF: 854135.7/37

In: 1092.986+/-0.152 χ^2/NDF:686208.8/40

Out: 1097.548+/-0.150 χ^2/NDF:310739.9/43

All: 1095.298+/-0.107 χ^2/NDF: 997406.7/84

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 23.654+/-159.733 χ^2/NDF: 19.3/17

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 256.054+/-154.342 χ^2/NDF: 16.0/19

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

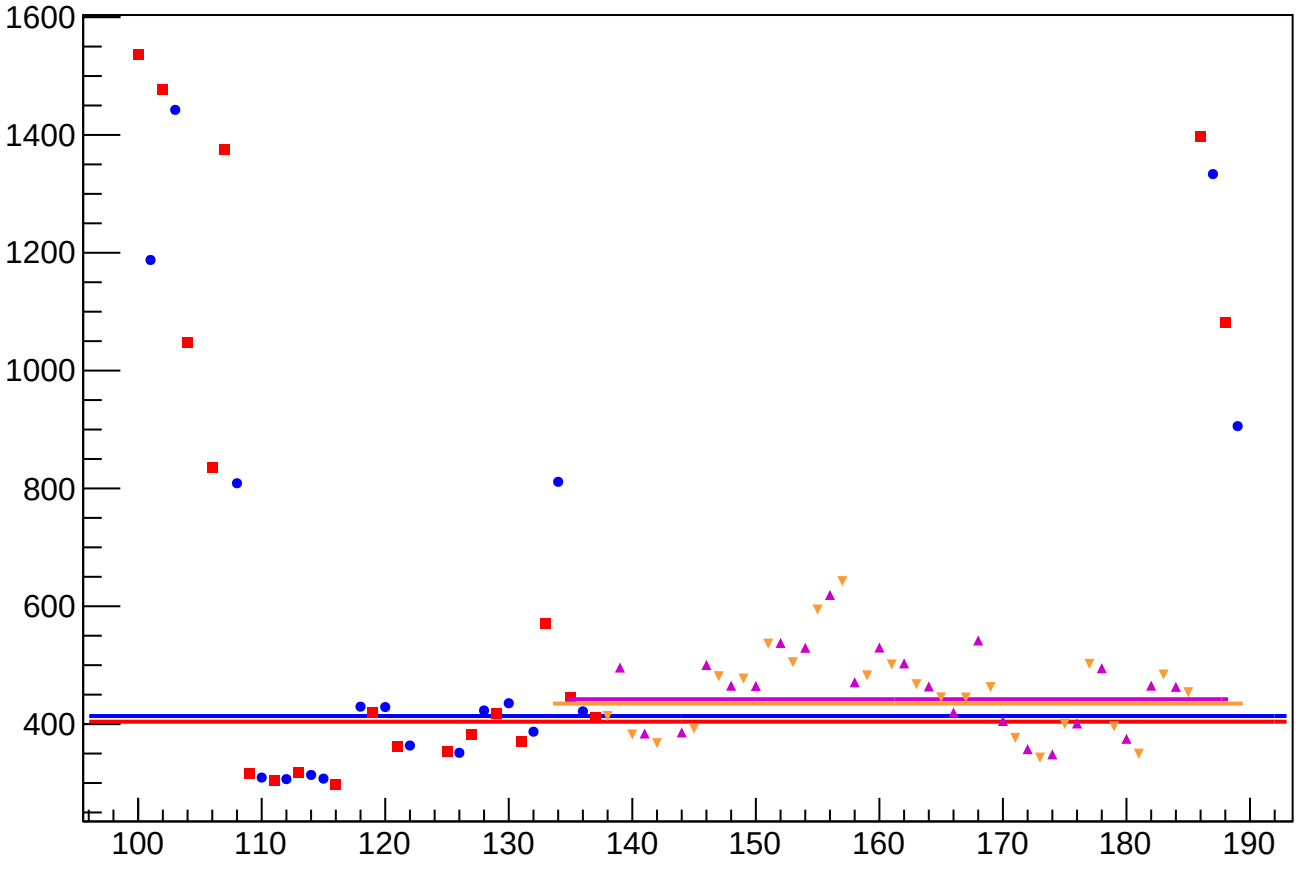
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 143.842+/-110.993 χ^2/NDF: 36.4/37

In: 6.729+/-87.585 χ^2/NDF:51.2/40

Out: -155.746+/-85.444 χ^2/NDF:75.1/43

All: -76.518+/-61.161 χ^2/NDF: 128.0/84



Right In: 413.682+/-0.113 χ^2/NDF: 2297291.4/17

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 404.062+/-0.109 χ^2/NDF: 2911121.3/19

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

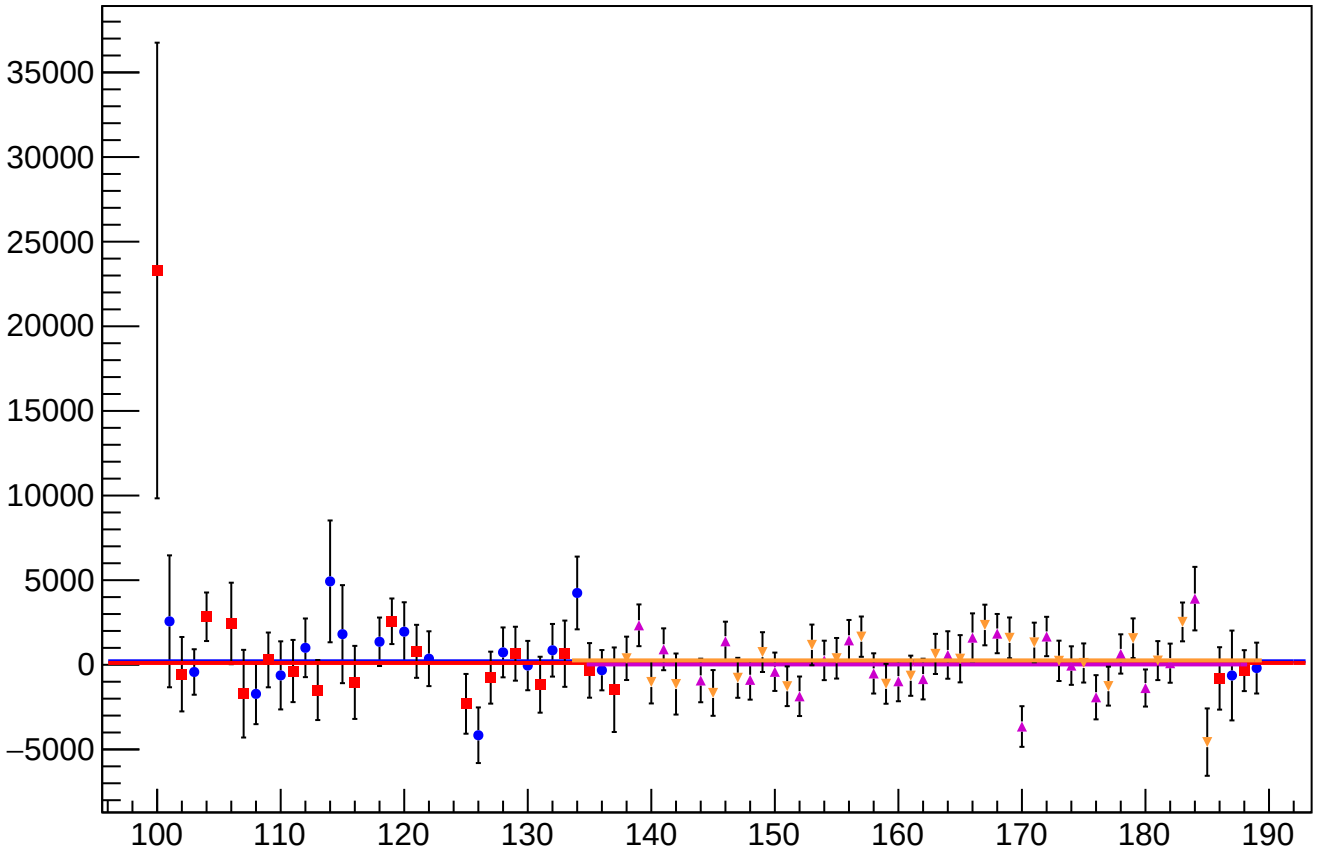
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 408.707+/-0.078 χ^2/NDF: 5212164.3/37

In: 433.632+/-0.062 χ^2/NDF:3167874.2/40

Out: 425.420+/-0.060 χ^2/NDF:3844761.9/43

All: 429.424+/-0.043 χ^2/NDF: 7021644.4/84



Right In: 206.945+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 109.177+/-392.843 χ^2/NDF: 16.7/19

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

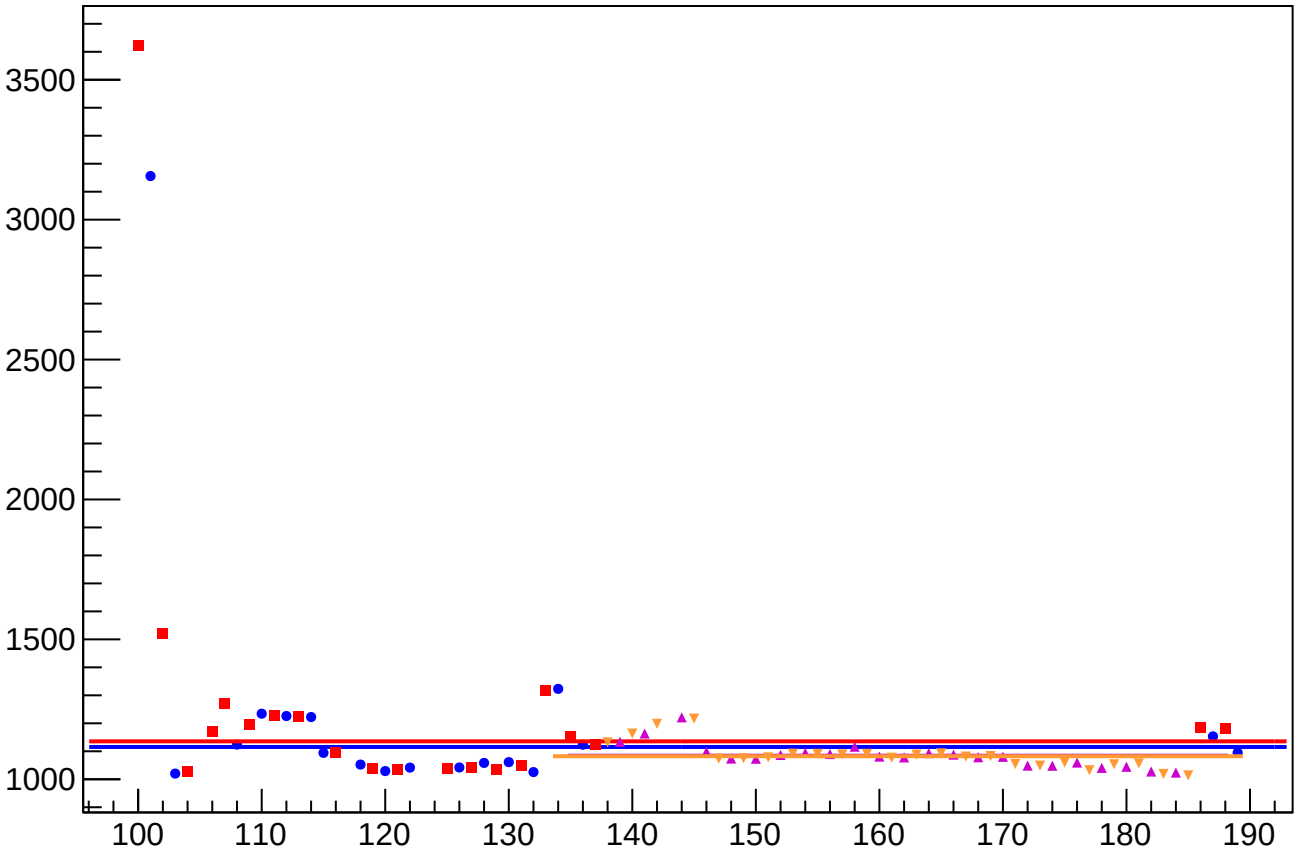
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 156.706+/-281.608 χ^2/NDF: 33.8/37

In: 74.477+/-214.610 χ^2/NDF:53.1/40

Out: 216.632+/-211.752 χ^2/NDF:45.0/43

All: 146.507+/-150.732 χ^2/NDF: 98.3/84



Right In: 1115.405+/-0.286 χ^2/NDF: 624184.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1135.501+/-0.278 χ^2/NDF: 228062.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

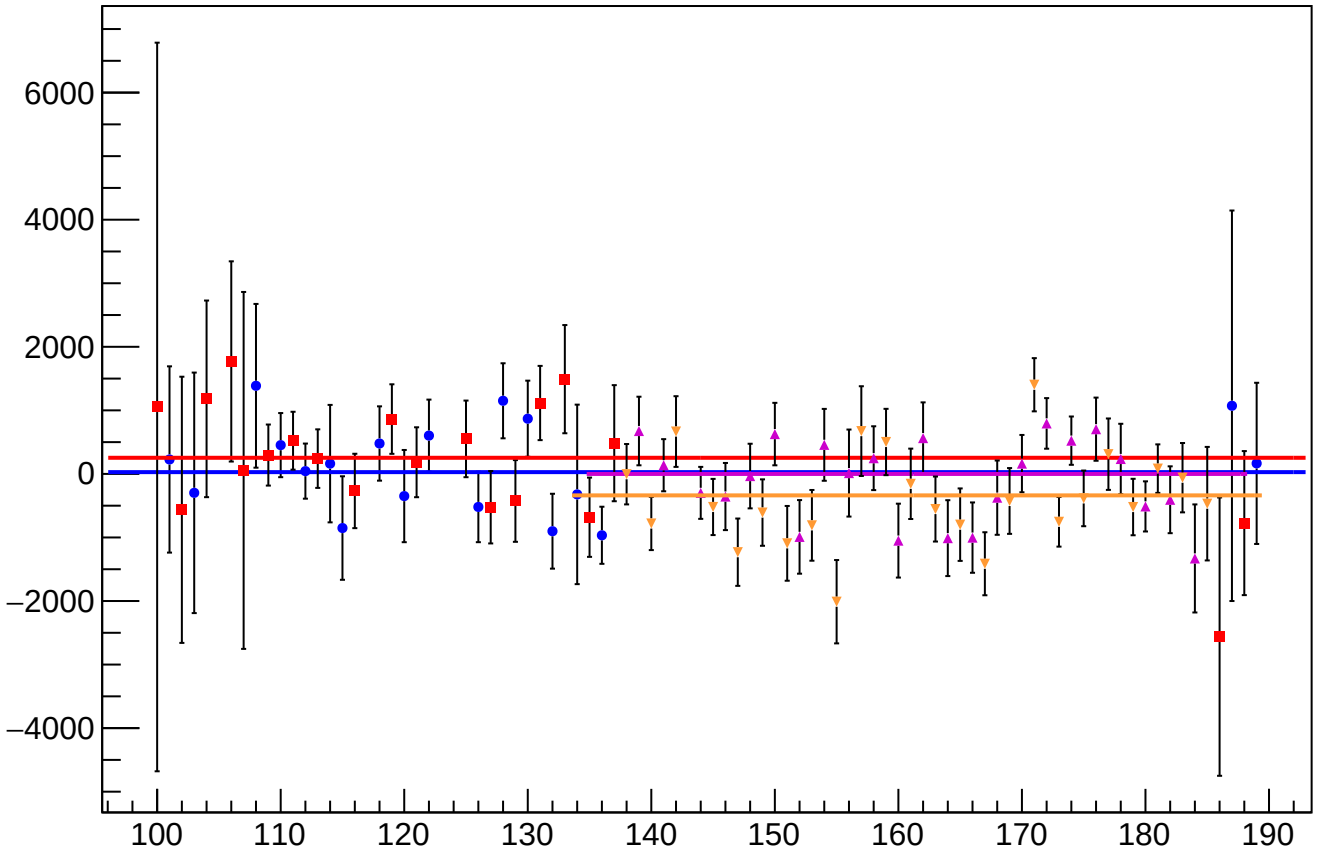
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.731+/-0.199 χ^2/NDF: 854791.0/37

In: 1092.986+/-0.152 χ^2/NDF:686209.7/40

Out: 1097.763+/-0.150 χ^2/NDF:311950.3/43

All: 1095.406+/-0.107 χ^2/NDF: 998662.0/84



Right In: 28.026+/-159.734 χ^2/NDF: 19.1/17

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 253.766+/-154.364 χ^2/NDF: 16.2/19

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

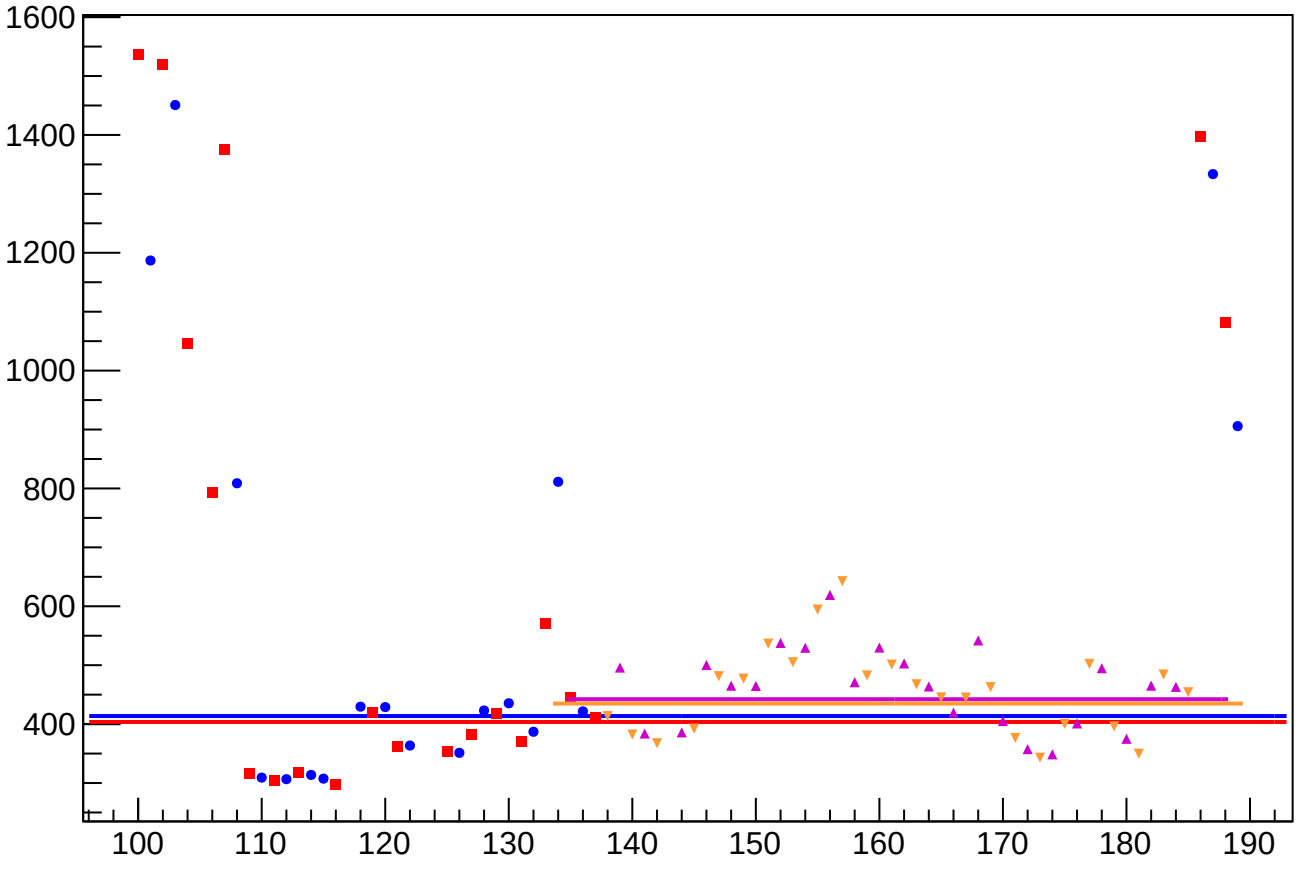
Right: 144.755+/-111.002 χ^2/NDF: 36.3/37

In: 8.030+/-87.585 χ^2/NDF:51.0/40

Out: -156.547+/-85.448 χ^2/NDF:75.2/43

All: -76.291+/-61.162 χ^2/NDF: 127.9/84

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 413.670+/-0.113 χ^2/NDF: 2300985.7/17

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 403.613+/-0.109 χ^2/NDF: 2900513.1/19

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

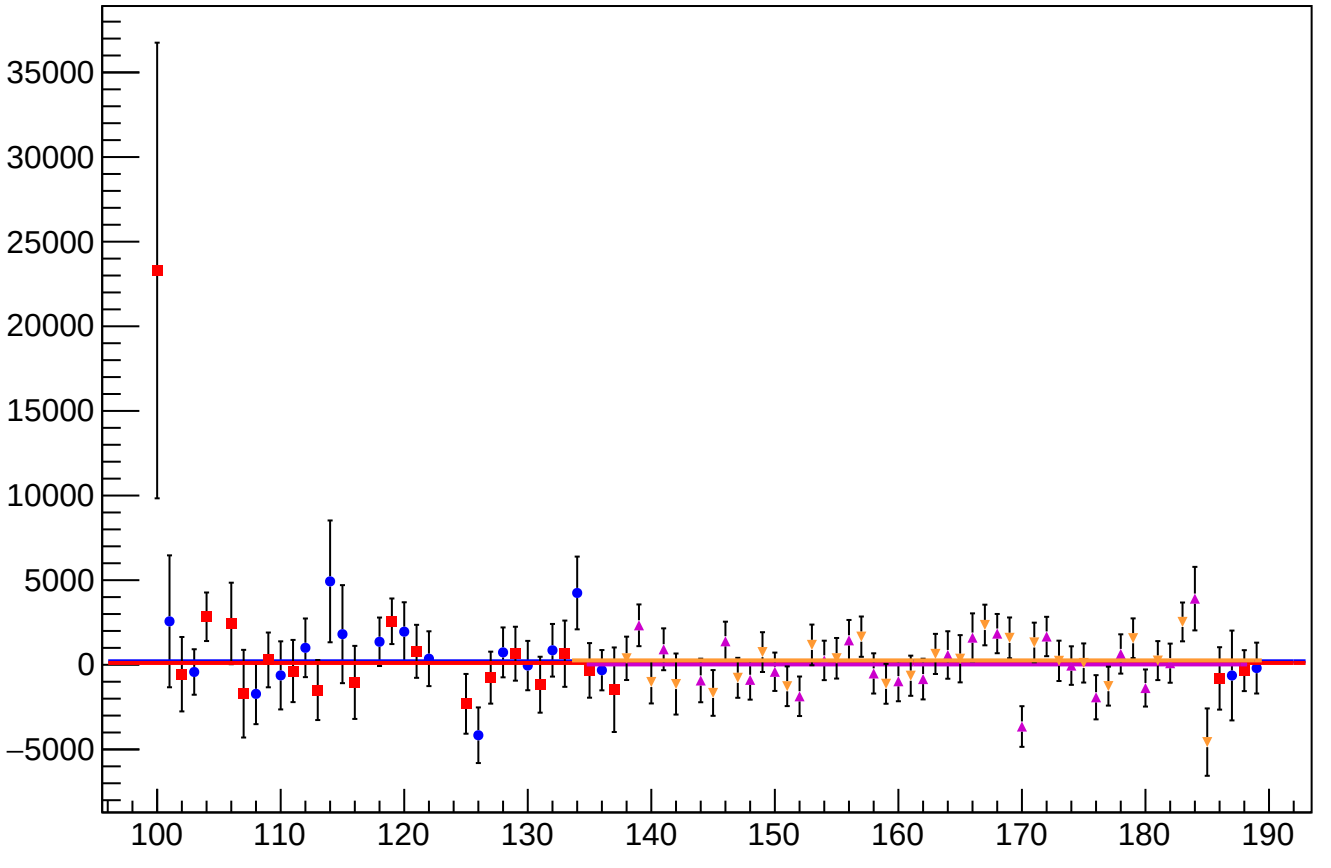
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 408.470+/-0.078 χ^2/NDF: 5205598.2/37

In: 433.629+/-0.062 χ^2/NDF:3171479.9/40

Out: 425.283+/-0.060 χ^2/NDF:3835843.8/43

All: 429.353+/-0.043 χ^2/NDF: 7016629.3/84



Right In: 206.945+/-403.893 χ^2/NDF: 17.1/17

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 109.177+/-392.843 χ^2/NDF: 16.7/19

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

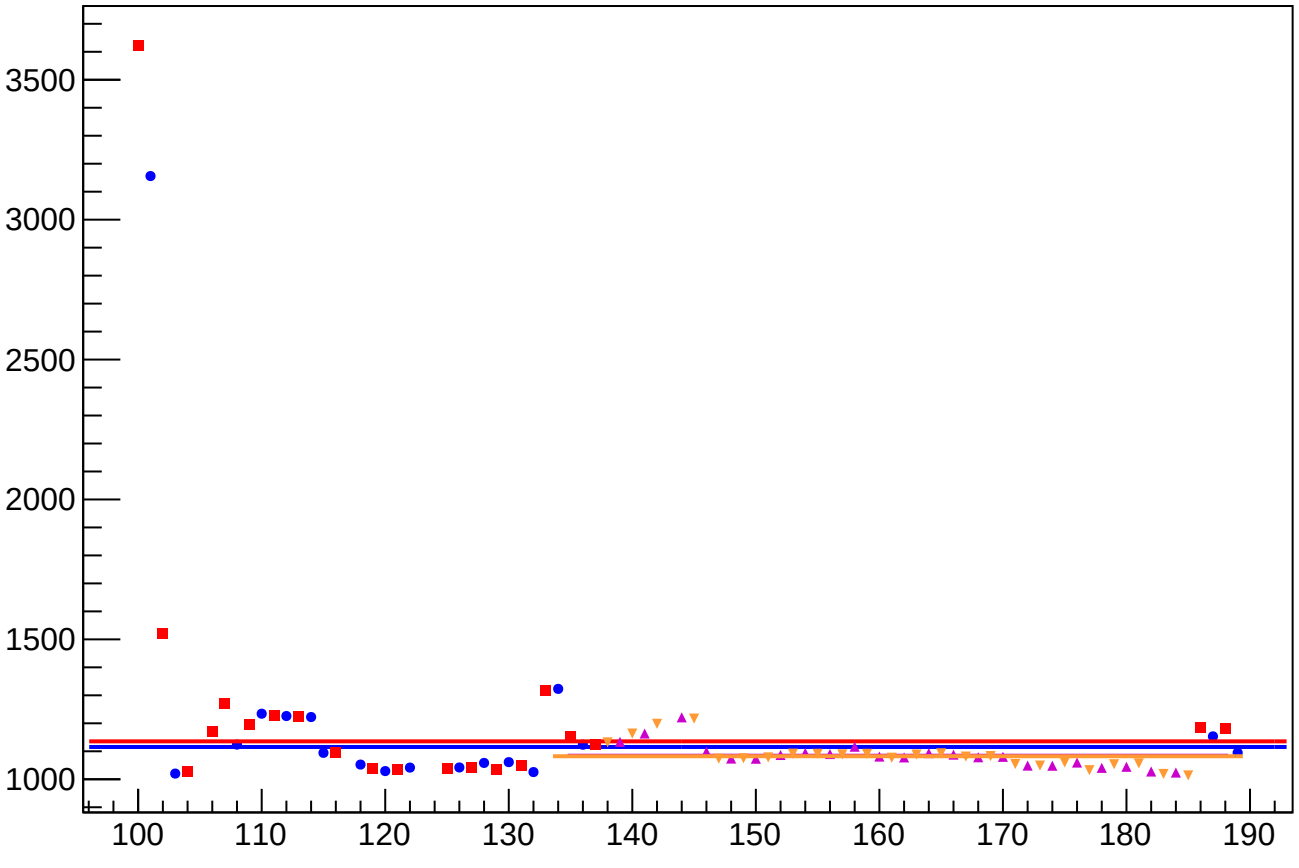
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 156.706+/-281.608 χ^2/NDF: 33.8/37

In: 74.477+/-214.610 χ^2/NDF:53.1/40

Out: 216.632+/-211.752 χ^2/NDF:45.0/43

All: 146.507+/-150.732 χ^2/NDF: 98.3/84



Right In: 1115.405+/-0.286 χ^2/NDF: 624184.6/17

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1135.501+/-0.278 χ^2/NDF: 228062.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

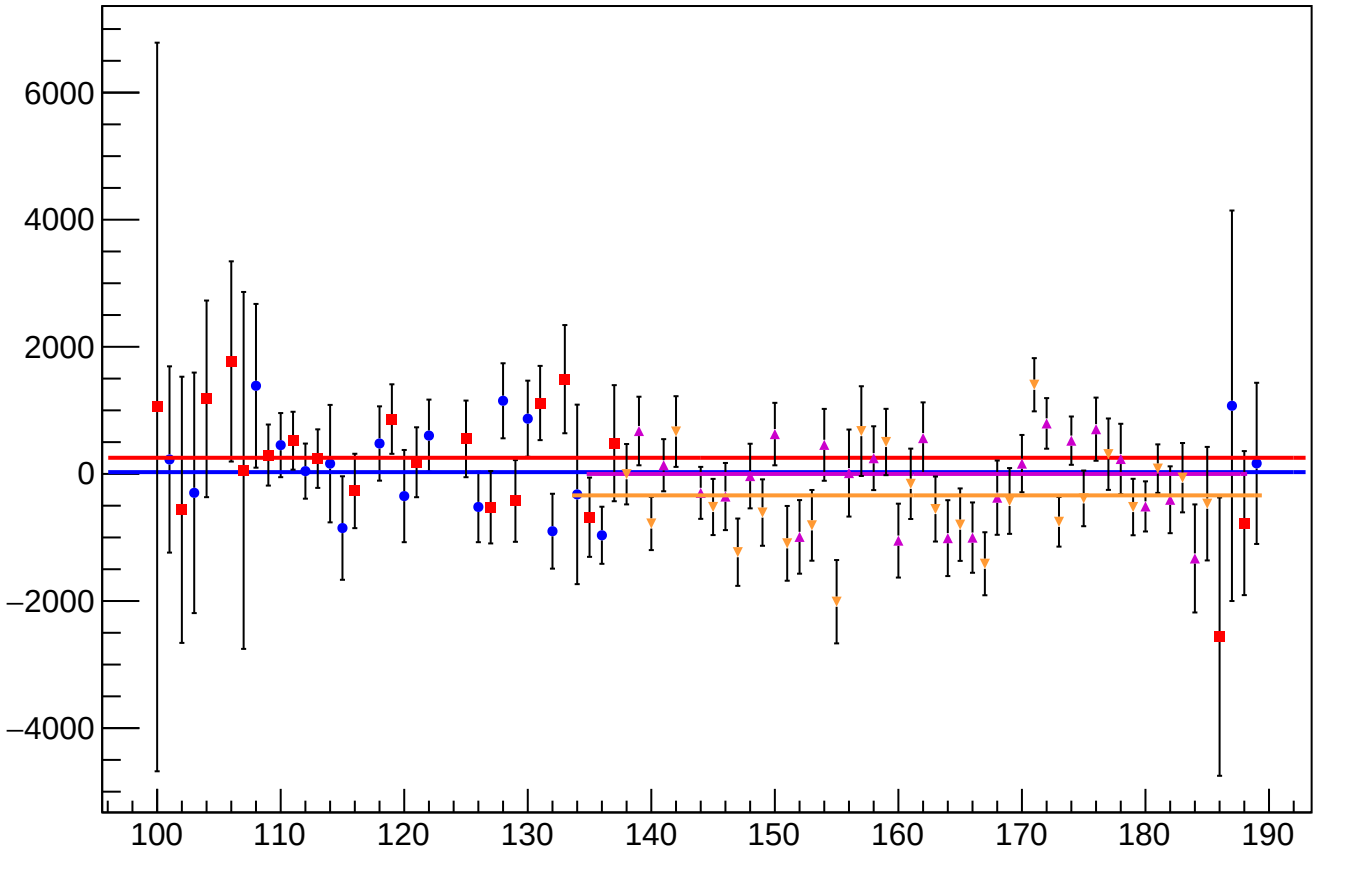
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1125.731+/-0.199 χ^2/NDF: 854791.0/37

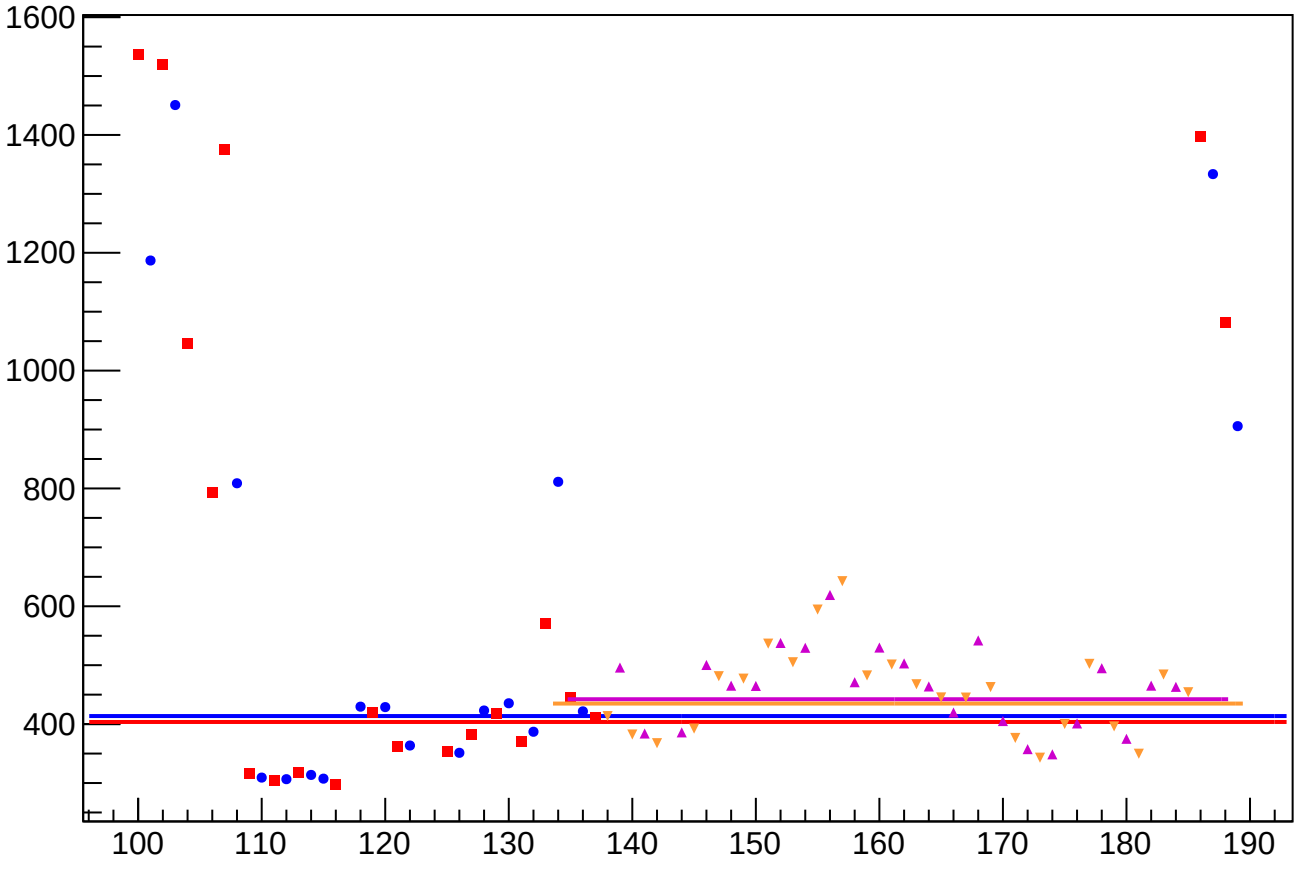
In: 1092.986+/-0.152 χ^2/NDF:686209.7/40

Out: 1097.763+/-0.150 χ^2/NDF:311950.3/43

All: 1095.406+/-0.107 χ^2/NDF: 998662.0/84


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 28.026+/-159.734 χ²/NDF: 19.1/17
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 253.766+/-154.364 χ²/NDF: 16.2/19
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 144.755+/-111.002 χ²/NDF: 36.3/37
In: 8.030+/-87.585 χ²/NDF:51.0/40
Out: -156.547+/-85.448 χ²/NDF:75.2/43
All: -76.291+/-61.162 χ²/NDF: 127.9/84

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 413.670+/-0.113 χ^2/NDF: 2300985.7/17

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 403.613+/-0.109 χ^2/NDF: 2900513.1/19

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

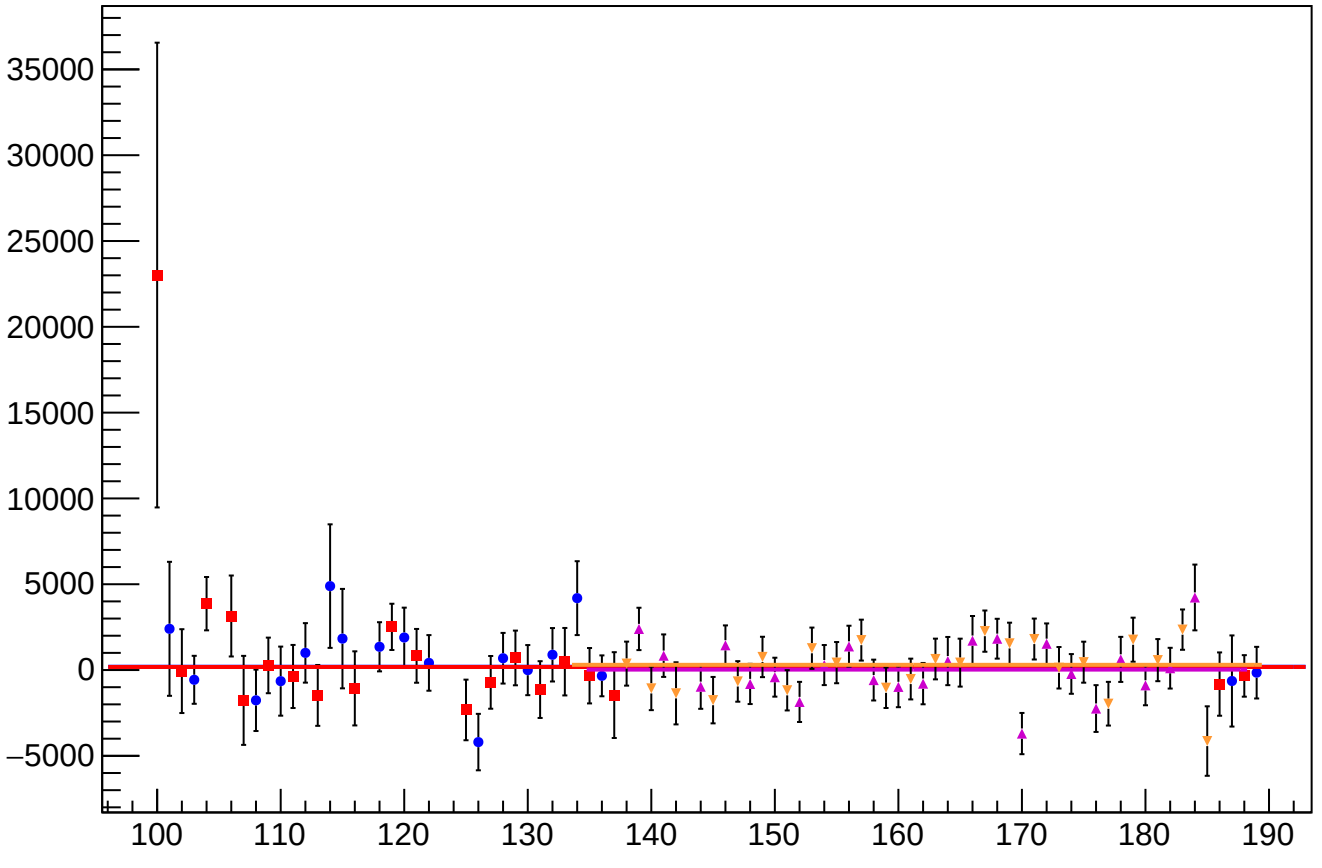
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 408.470+/-0.078 χ^2/NDF: 5205598.2/37

In: 433.629+/-0.062 χ^2/NDF:3171479.9/40

Out: 425.283+/-0.060 χ^2/NDF:3835843.8/43

All: 429.353+/-0.043 χ^2/NDF: 7016629.3/84



Right In: 191.691+/-405.597 χ^2/NDF: 17.1/17

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 178.524+/-396.333 χ^2/NDF: 19.2/19

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

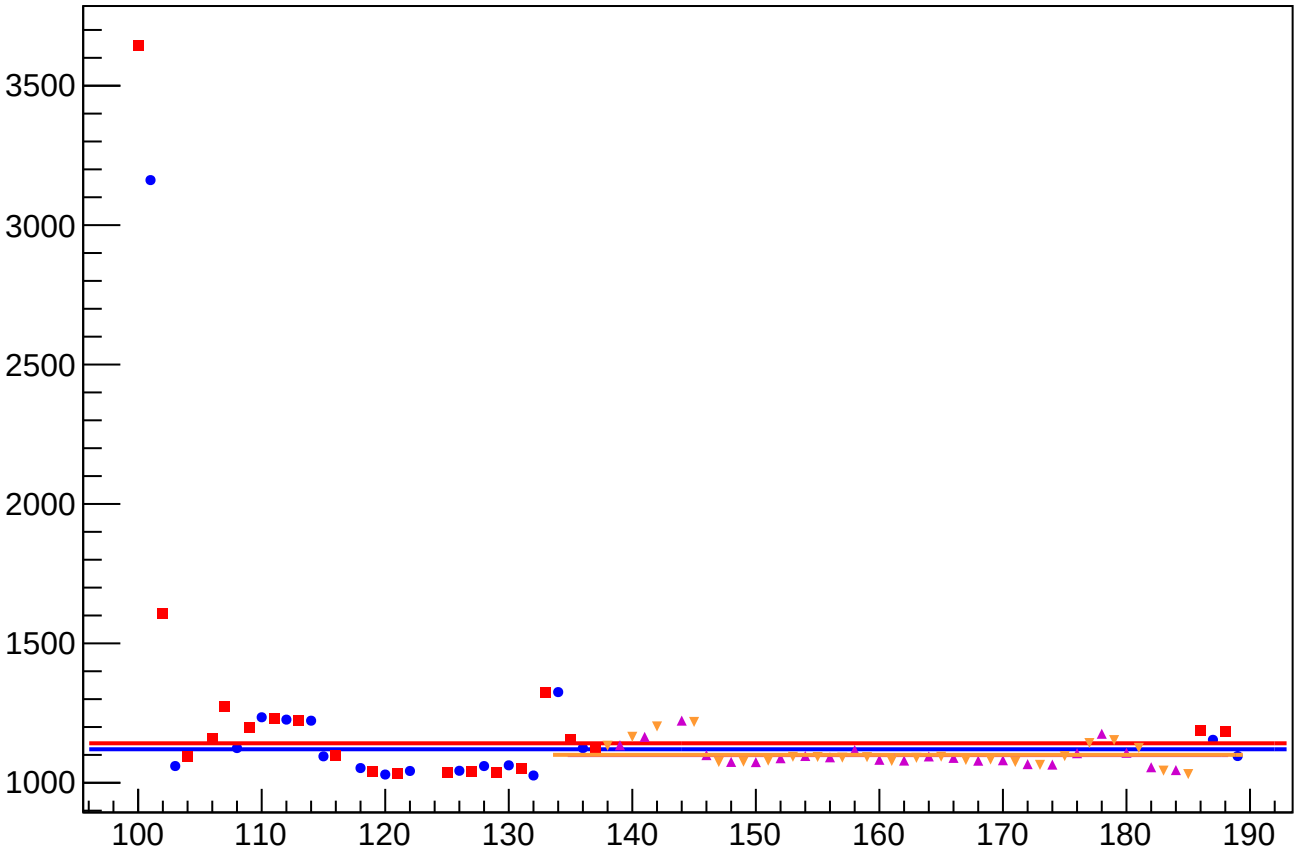
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 184.955+/-283.468 χ^2/NDF: 36.4/37

In: 72.945+/-217.008 χ^2/NDF:53.1/40

Out: 266.730+/-214.778 χ^2/NDF:47.8/43

All: 170.838+/-152.653 χ^2/NDF: 101.3/84



Right In: 1120.215+/-0.287 χ^2/NDF: 617887.8/17

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1141.651+/-0.280 χ^2/NDF: 231648.7/19

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

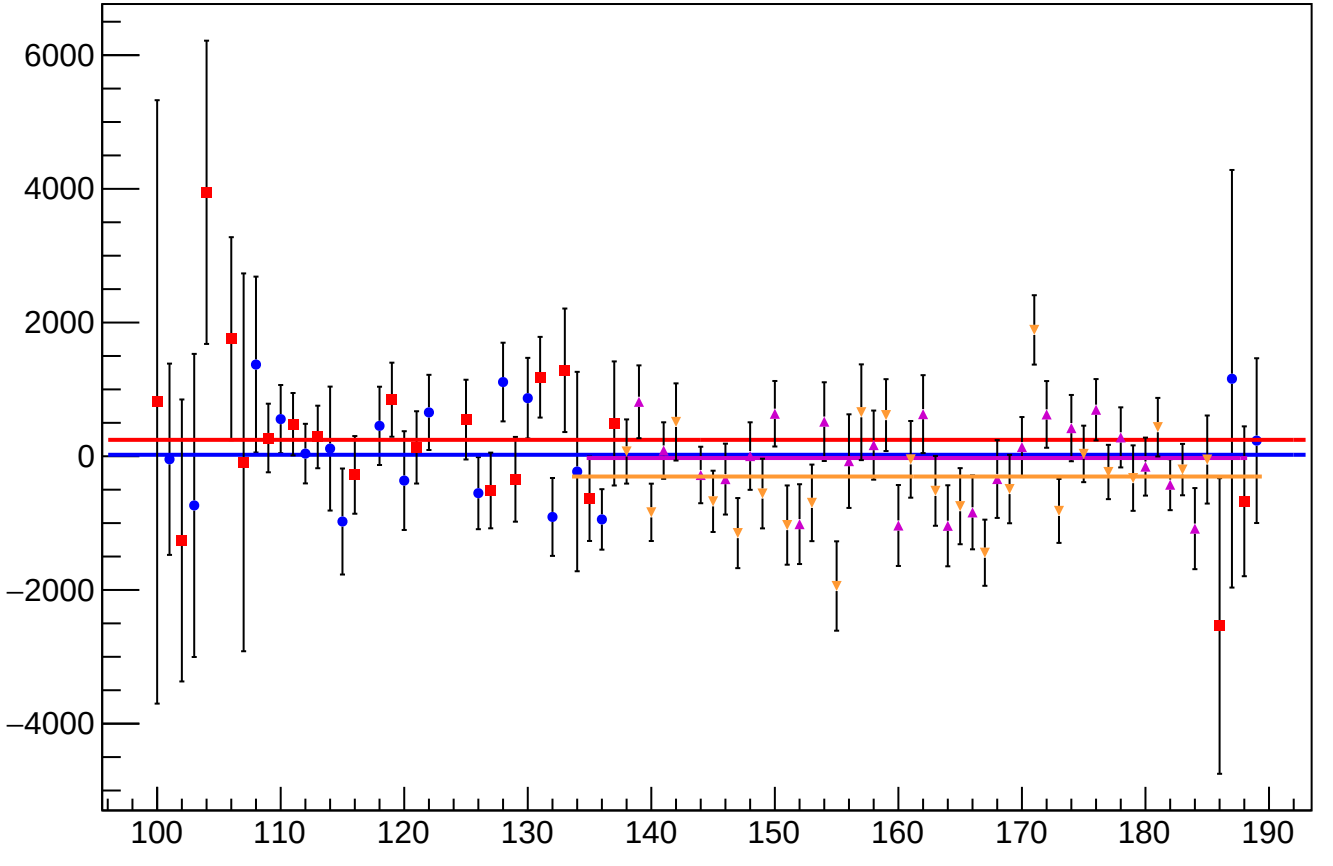
Right: 1131.180+/-0.200 χ^2/NDF: 852394.2/37

In: 1105.317+/-0.153 χ^2/NDF:666453.9/40

Out: 1112.414+/-0.152 χ^2/NDF:295831.6/43

All: 1108.902+/-0.108 χ^2/NDF: 963366.0/84

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 21.995+/-160.256 χ^2/NDF: 19.8/17

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 245.430+/-156.860 χ^2/NDF: 17.4/19

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

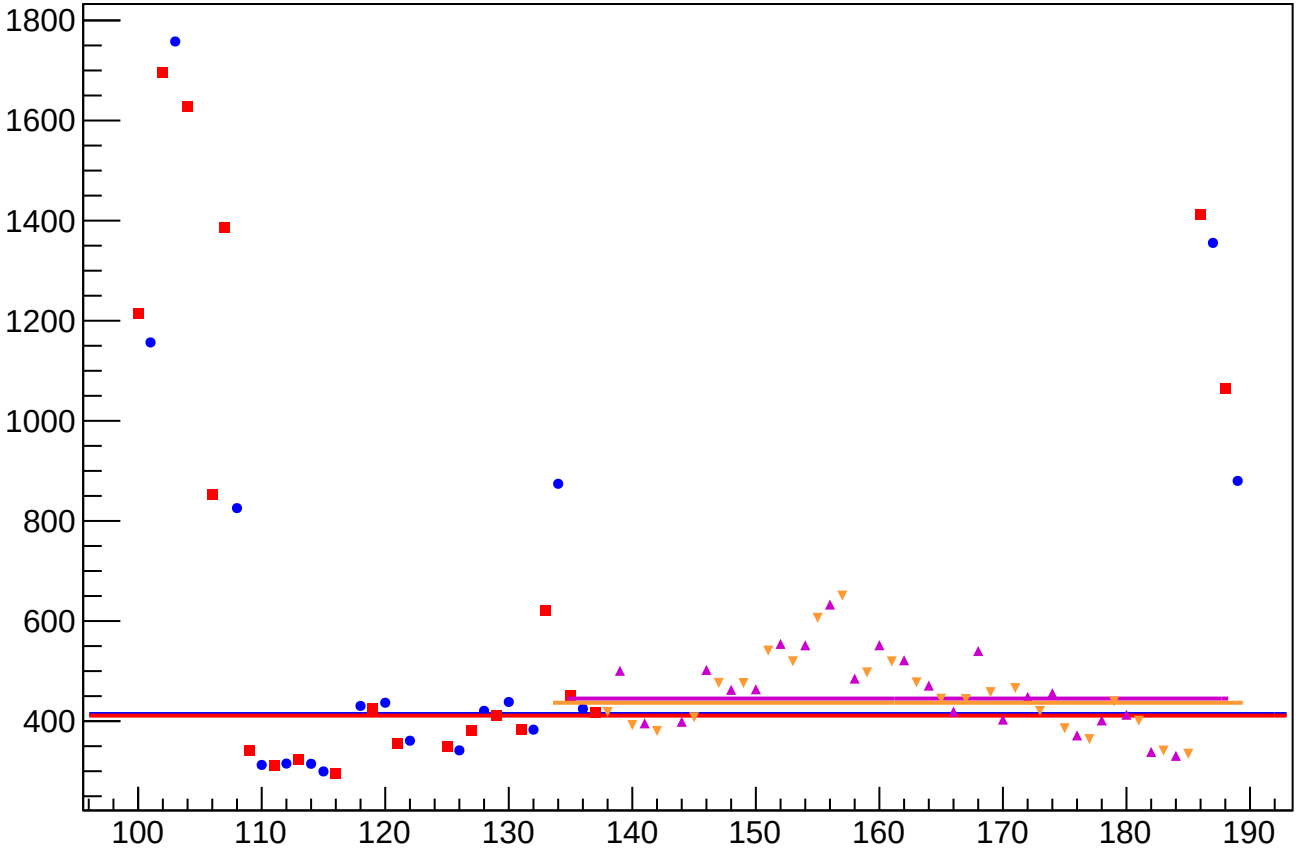
Right: 136.105+/-112.098 χ^2/NDF: 38.1/37

In: -12.020+/-88.073 χ^2/NDF:47.7/40

Out: -137.972+/-86.086 χ^2/NDF:75.5/43

All: -76.433+/-61.562 χ^2/NDF: 124.2/84

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 414.217+/-0.113 χ^2/NDF: 2405481.0/17

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 411.088+/-0.111 χ^2/NDF: 3317464.1/19

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

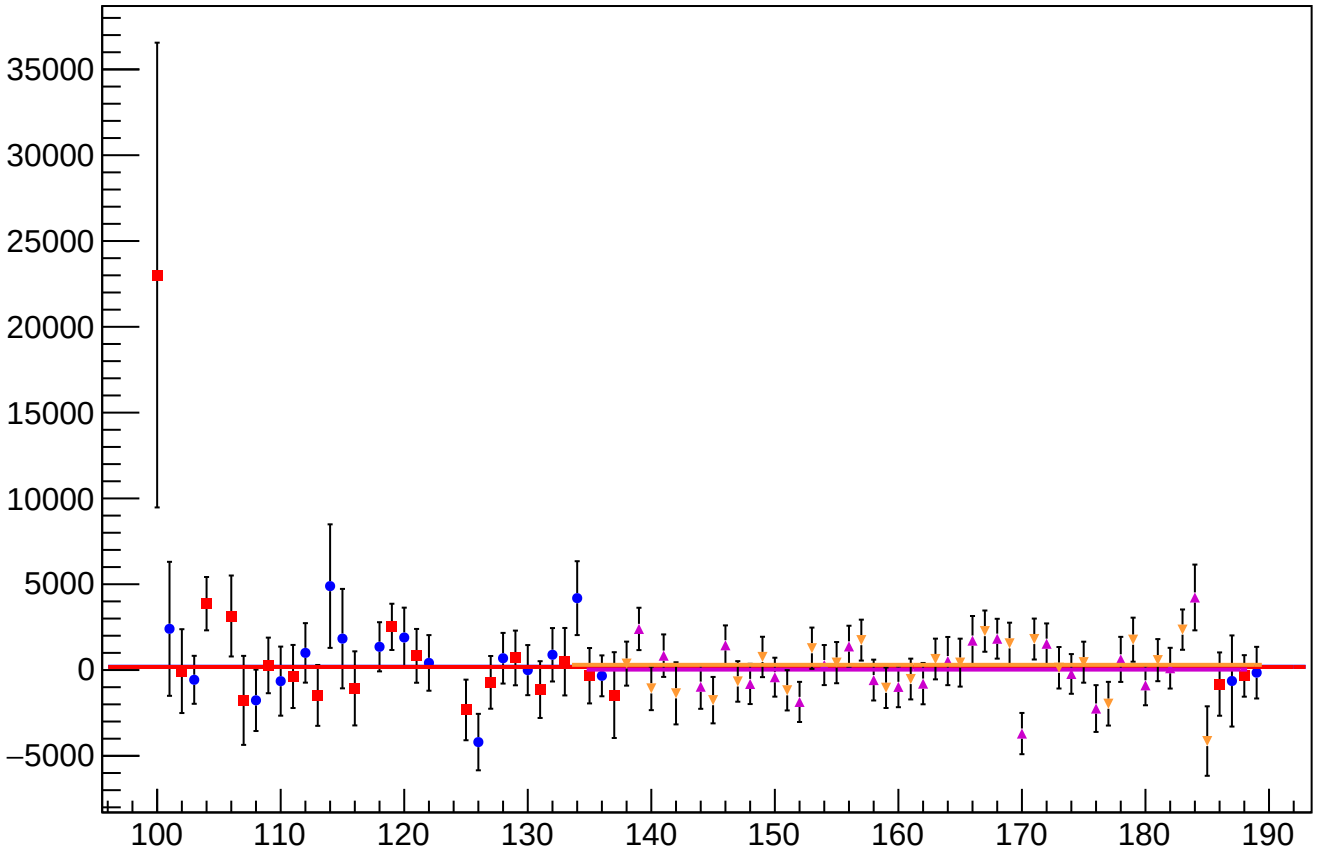
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 412.619+/-0.079 χ^2/NDF: 5723334.5/37

In: 435.778+/-0.062 χ^2/NDF:3331888.1/40

Out: 429.047+/-0.061 χ^2/NDF:4210185.4/43

All: 432.336+/-0.044 χ^2/NDF: 7548048.7/84



Right In: 191.692+/-405.597 χ^2/NDF: 17.1/17

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 178.525+/-396.333 χ^2/NDF: 19.2/19

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

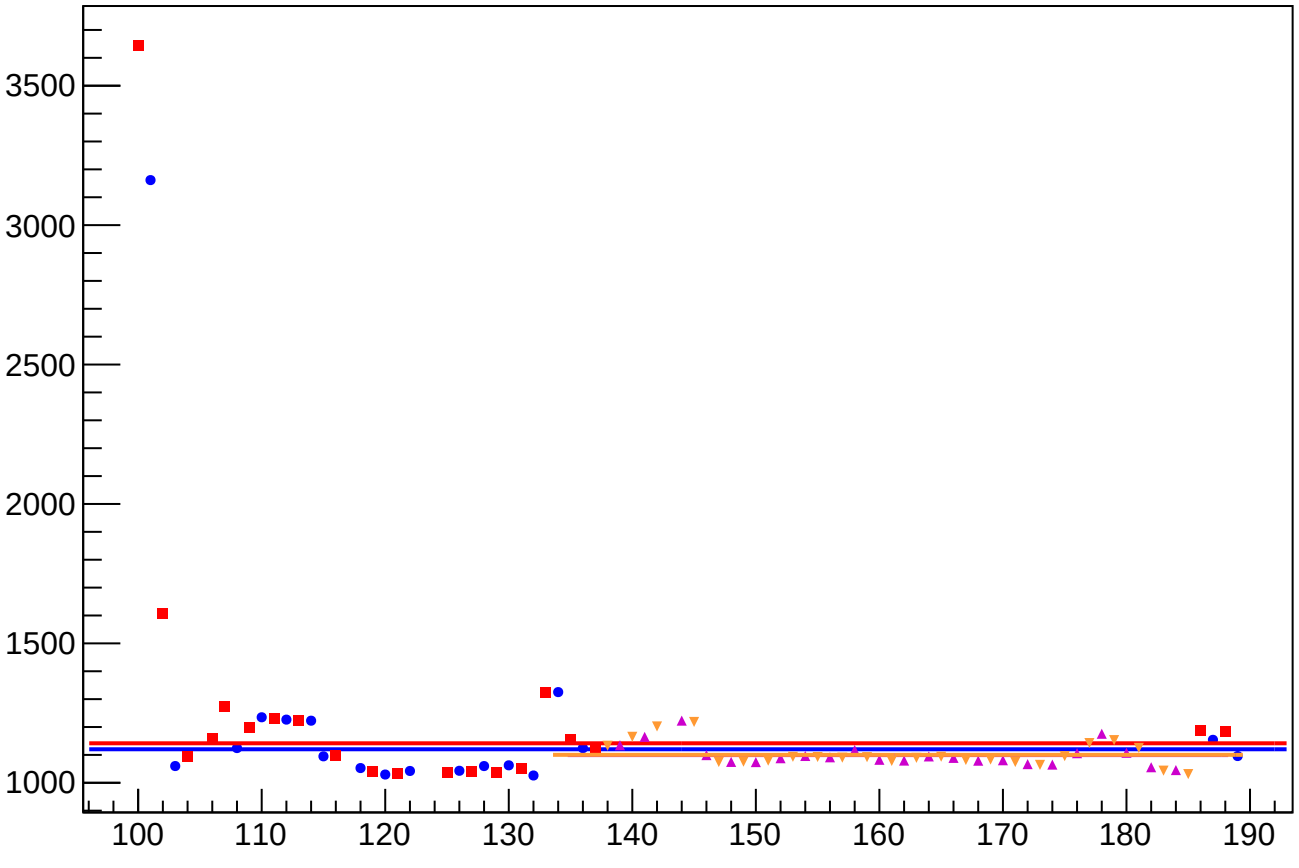
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 184.957+/-283.468 χ^2/NDF: 36.4/37

In: 72.946+/-217.008 χ^2/NDF:53.1/40

Out: 266.729+/-214.778 χ^2/NDF:47.8/43

All: 170.838+/-152.653 χ^2/NDF: 101.3/84



Right In: 1120.215+/-0.287 χ^2/NDF: 617887.8/17

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1141.651+/-0.280 χ^2/NDF: 231648.8/19

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

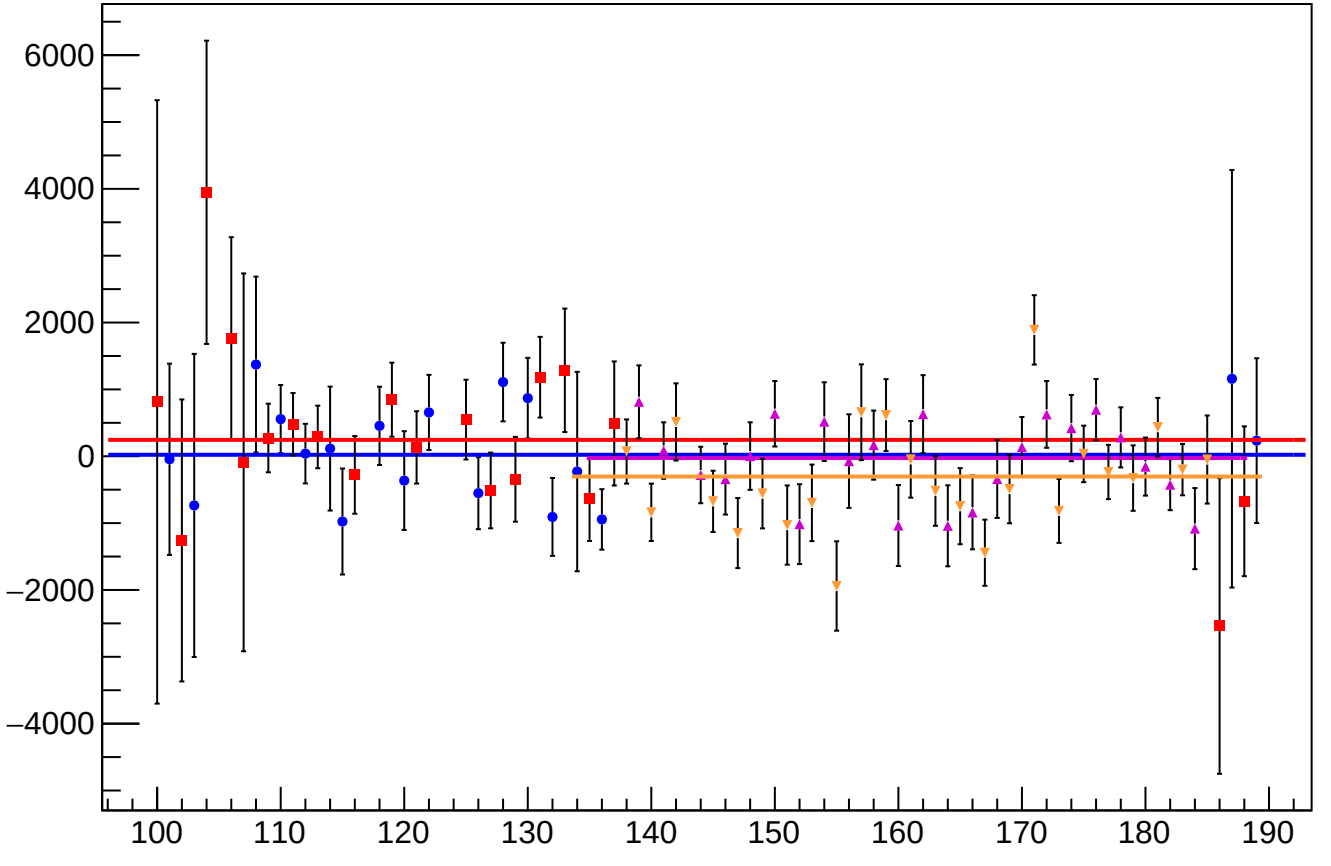
Right: 1131.180+/-0.200 χ^2/NDF: 852394.3/37

In: 1105.317+/-0.153 χ^2/NDF:666454.0/40

Out: 1112.414+/-0.152 χ^2/NDF:295831.8/43

All: 1108.902+/-0.108 χ^2/NDF: 963366.4/84

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 21.991+/-160.255 χ^2/NDF: 19.8/17

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 245.427+/-156.859 χ^2/NDF: 17.4/19

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

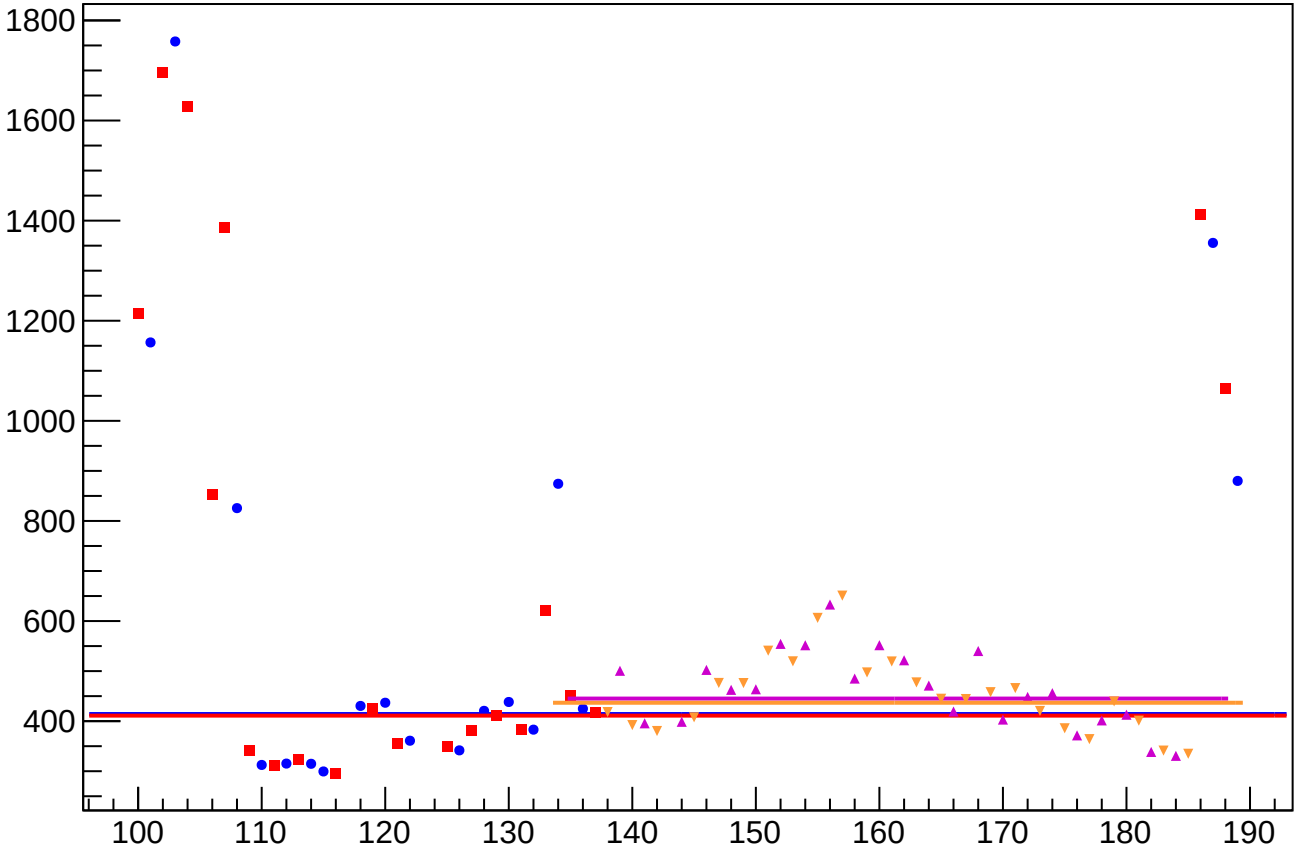
Right: 136.102+/-112.097 χ^2/NDF: 38.1/37

In: -12.021+/-88.073 χ^2/NDF:47.7/40

Out: -137.972+/-86.085 χ^2/NDF:75.5/43

All: -76.433+/-61.562 χ^2/NDF: 124.2/84

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 414.213+/-0.113 χ^2/NDF: 2405479.0/17

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 411.084+/-0.111 χ^2/NDF: 3317472.7/19

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

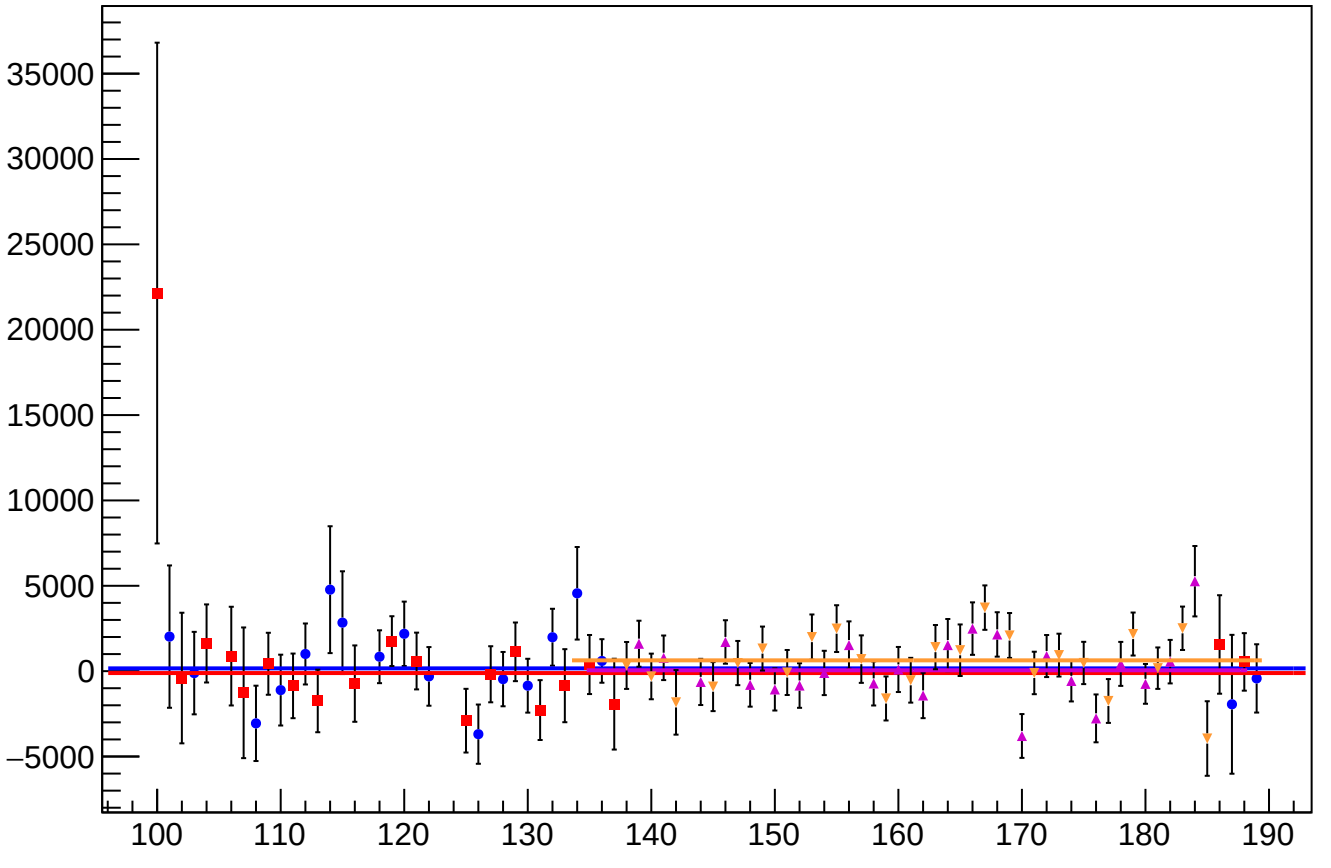
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 412.615+/-0.079 χ^2/NDF: 5723341.2/37

In: 435.777+/-0.062 χ^2/NDF:3331929.5/40

Out: 429.045+/-0.061 χ^2/NDF:4210233.3/43

All: 432.334+/-0.044 χ^2/NDF: 7548138.0/84



Right In: 163.067+/-458.795 χ^2/NDF: 16.5/17

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -111.309+/-453.963 χ^2/NDF: 11.5/19

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

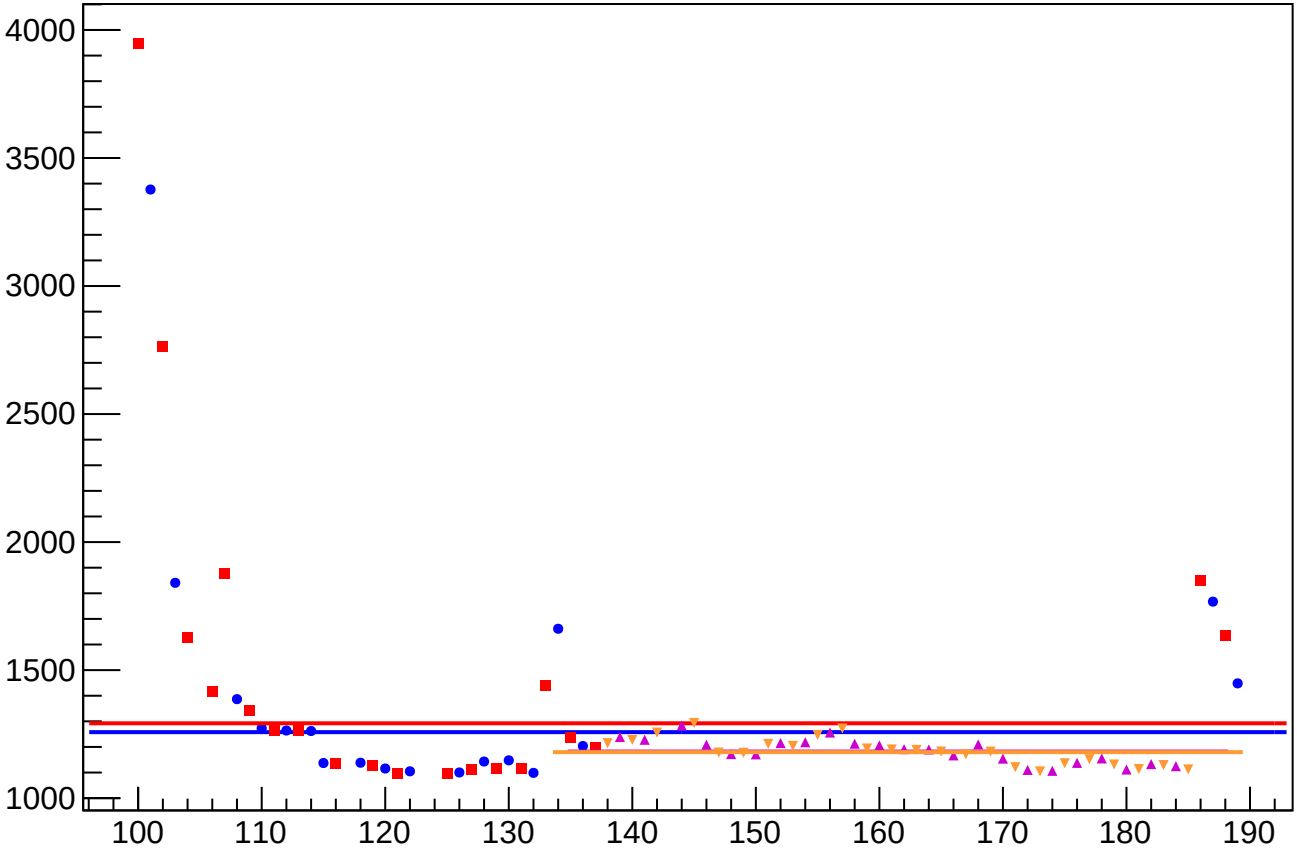
Right: 24.426+/-322.695 χ^2/NDF: 28.2/37

In: 80.692+/-236.637 χ^2/NDF:51.5/40

Out: 434.095+/-234.620 χ^2/NDF:43.6/43

All: 258.906+/-166.610 χ^2/NDF: 96.3/84

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1257.797+/-0.324 χ^2/NDF: 834979.1/17

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1292.349+/-0.321 χ^2/NDF: 780171.9/19

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

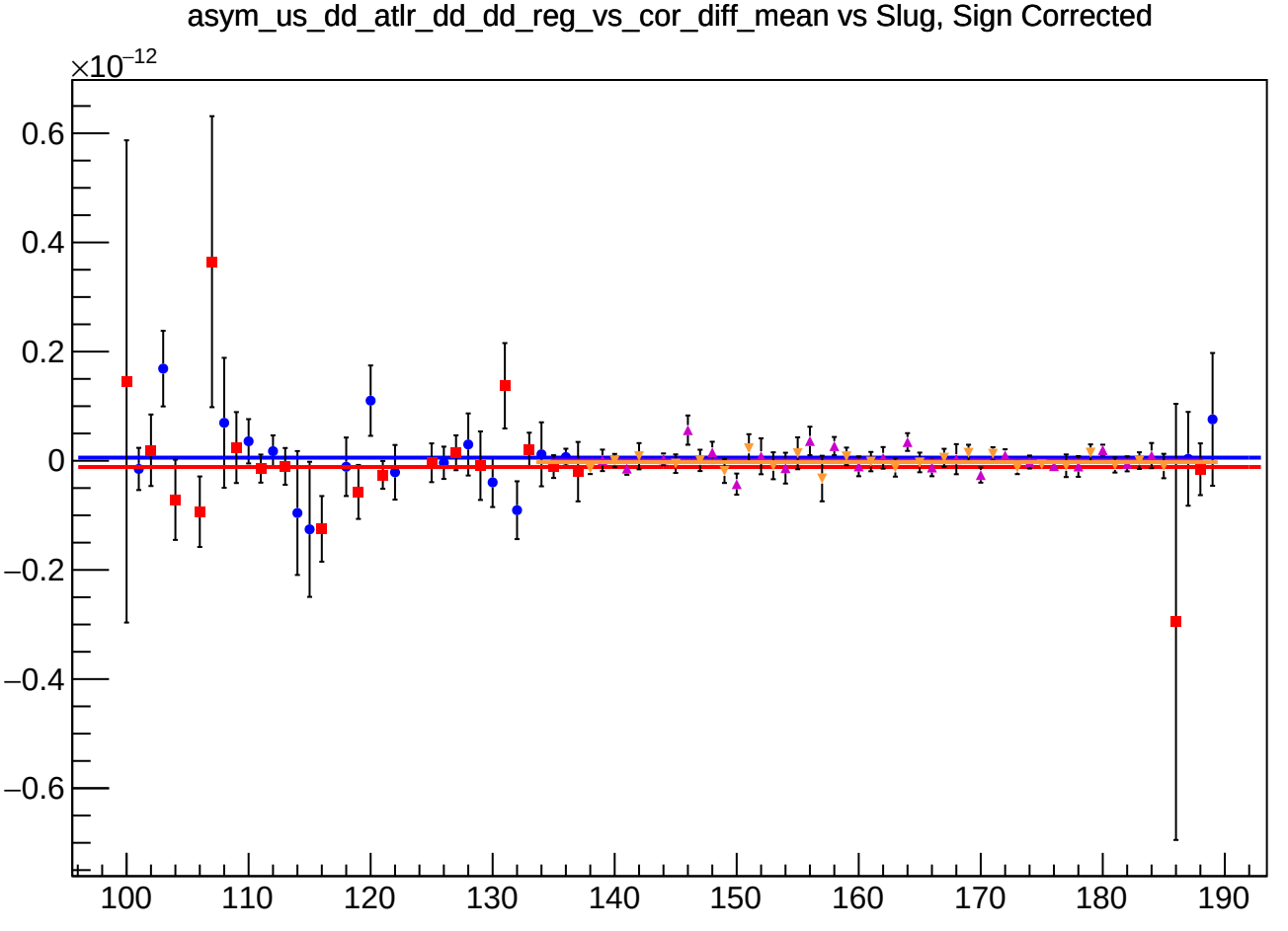
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1275.256+/-0.228 χ^2/NDF: 1620882.8/37

In: 1202.112+/-0.167 χ^2/NDF:935476.5/40

Out: 1209.800+/-0.166 χ^2/NDF:935077.1/43

All: 1205.989+/-0.118 χ^2/NDF: 1871618.0/84



Right In: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

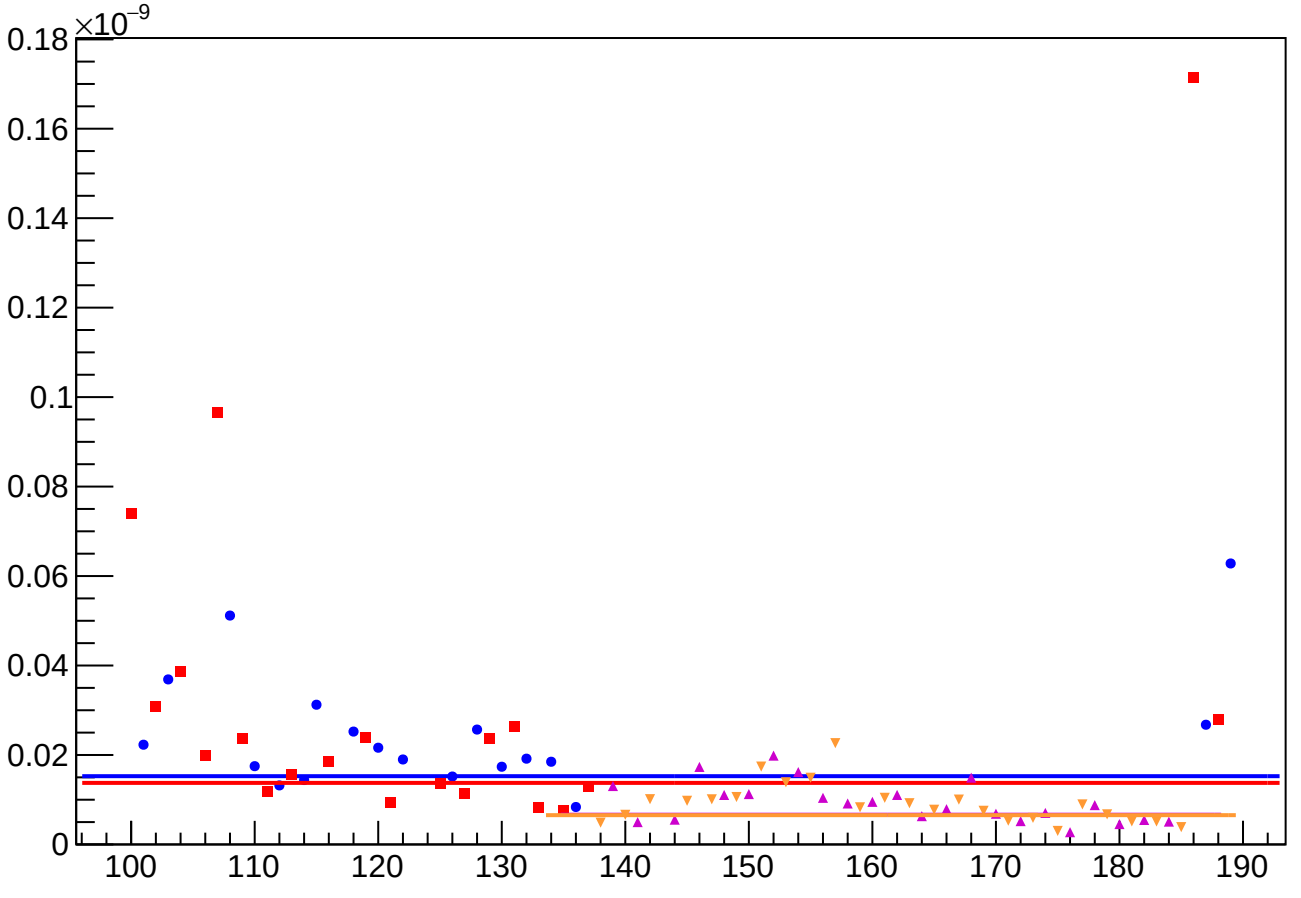
Right: -0.000+/-0.000 χ^2/NDF: 33.9/37

In: 0.000+/-0.000 χ^2/NDF:49.5/40

Out: -0.000+/-0.000 χ^2/NDF:26.9/43

All: -0.000+/-0.000 χ^2/NDF: 77.4/84

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1426964.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1682628.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

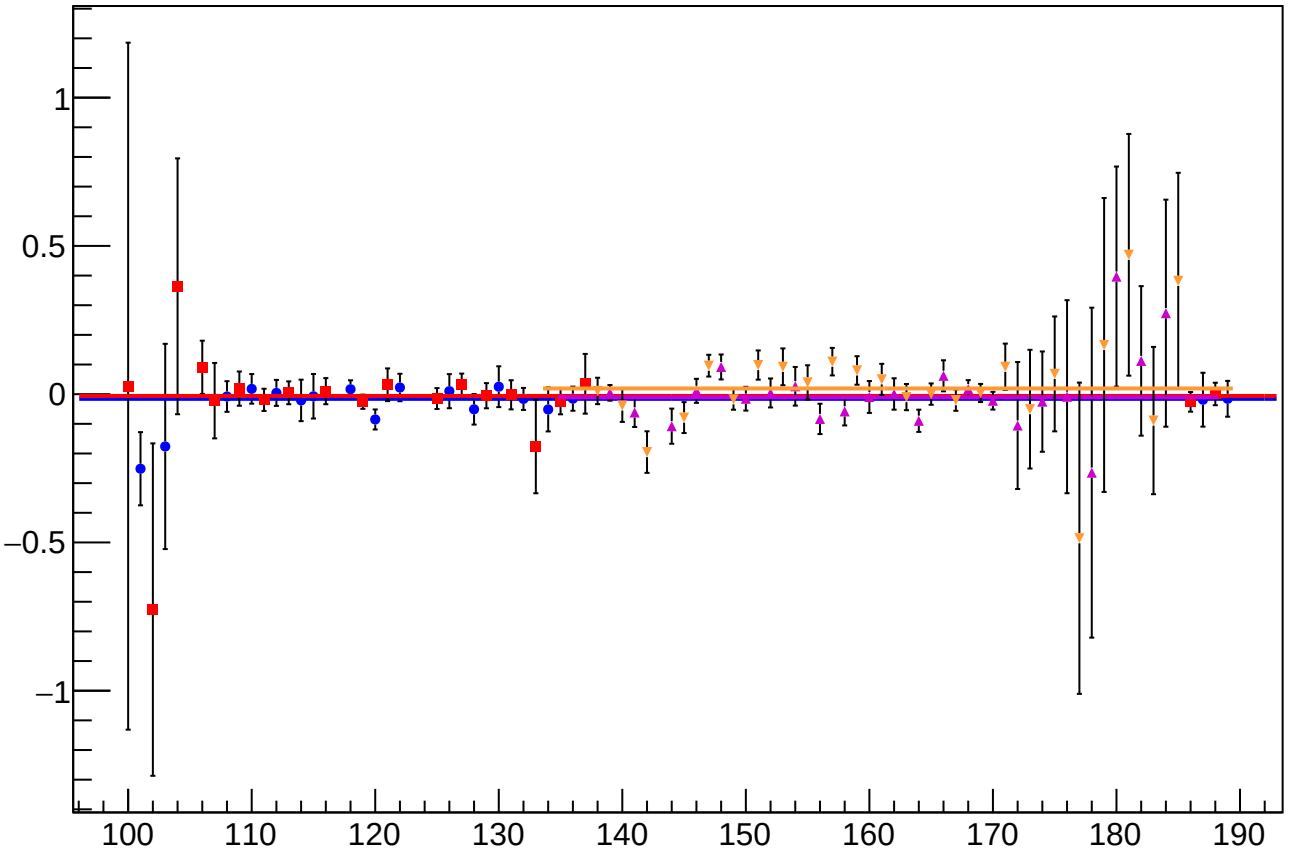
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 3135180.4/37

In: 0.000+/-0.000 χ^2/NDF:5440635.8/40

Out: 0.000+/-0.000 χ^2/NDF:5127587.4/43

All: 0.000+/-0.000 χ^2/NDF: 10573182.0/84



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

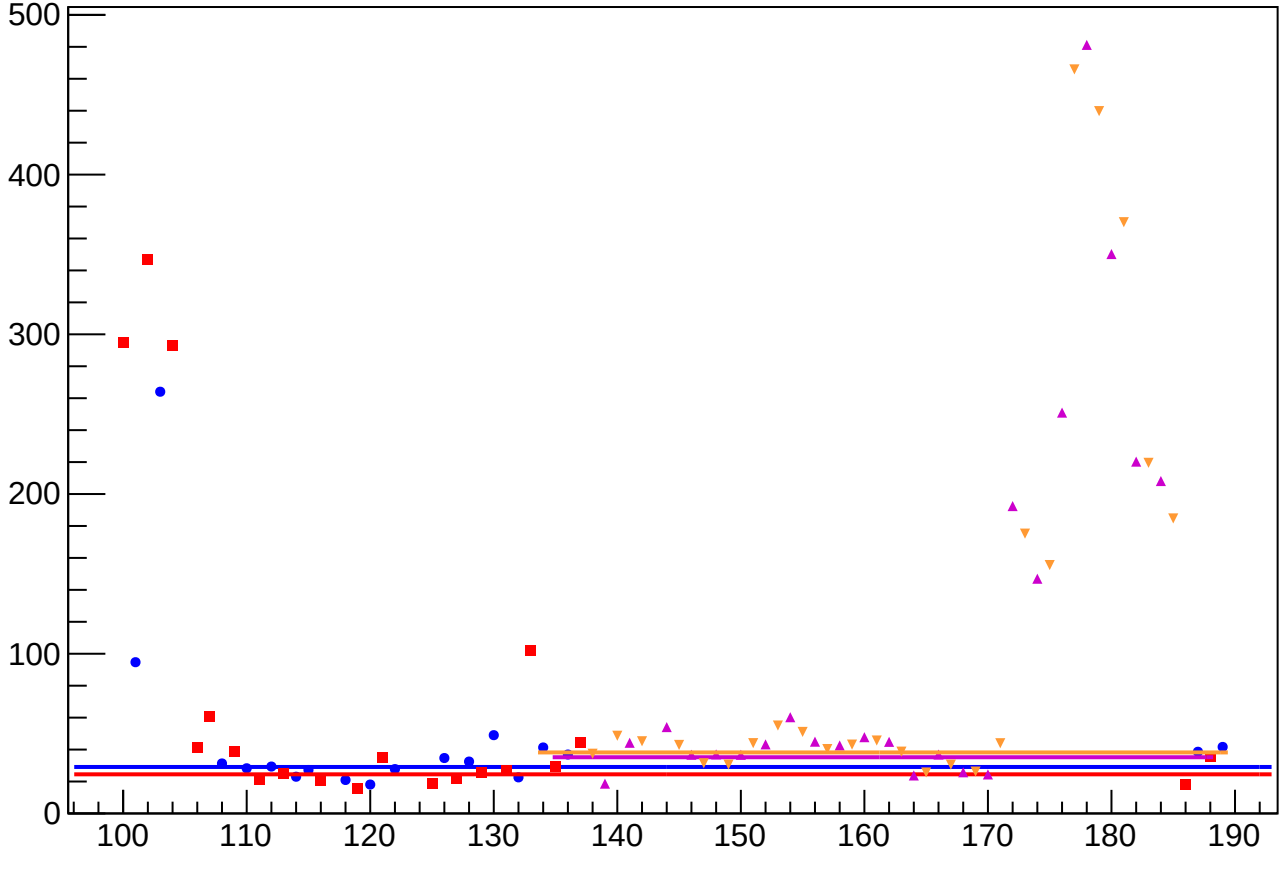
Right: -0.010+/-0.008 χ^2/NDF: 20.6/37

In: -0.013+/-0.008 χ^2/NDF:35.6/40

Out: 0.006+/-0.007 χ^2/NDF:47.0/43

All: -0.003+/-0.005 χ^2/NDF: 85.7/84

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.106+/-0.008 χ^2/NDF: 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 24.499+/-0.007 χ^2/NDF: 3176869.4/19

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

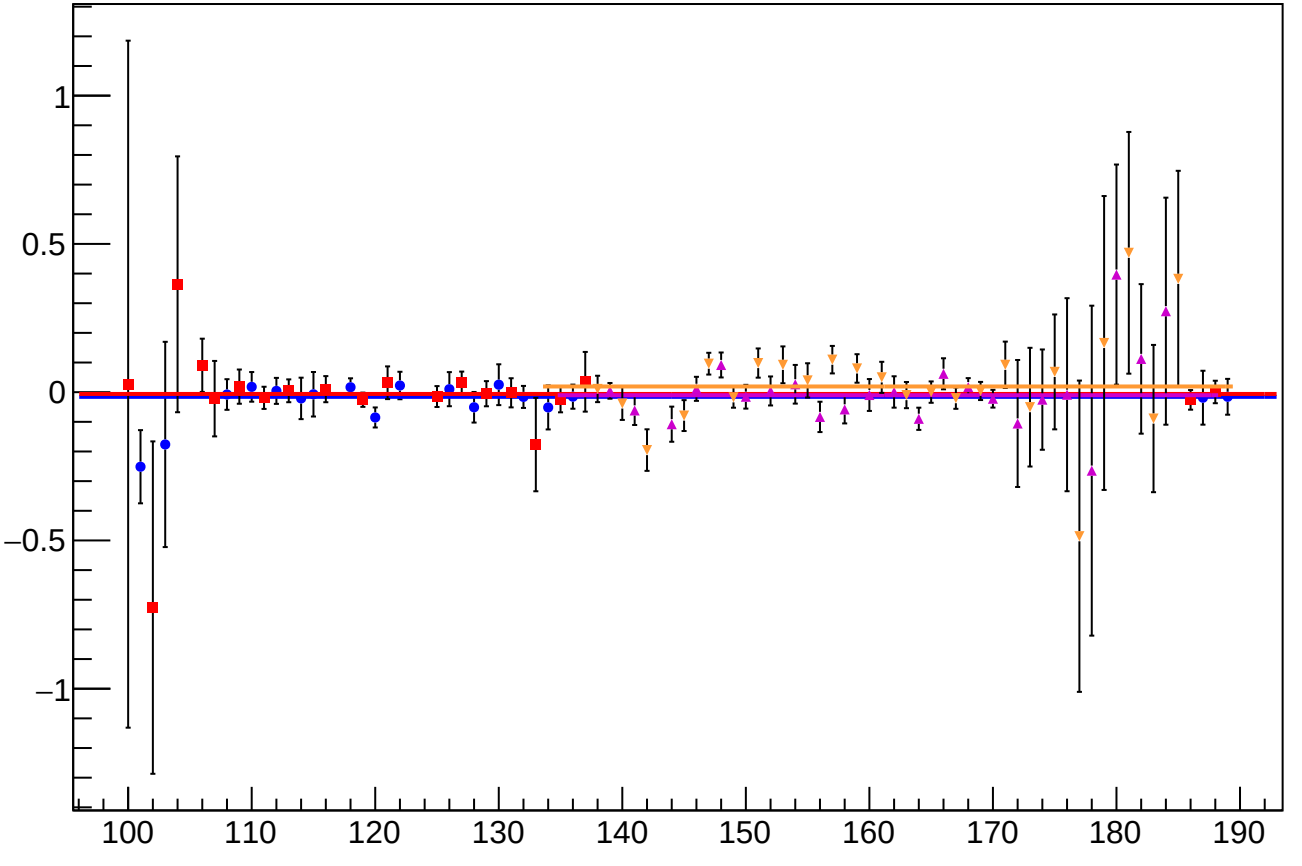
Right: 26.483+/-0.006 χ^2/NDF: 5706161.5/37

In: 32.612+/-0.006 χ^2/NDF:12049832.8/40

Out: 31.090+/-0.005 χ^2/NDF:13133842.7/43

All: 31.821+/-0.004 χ^2/NDF: 25223344.4/84

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

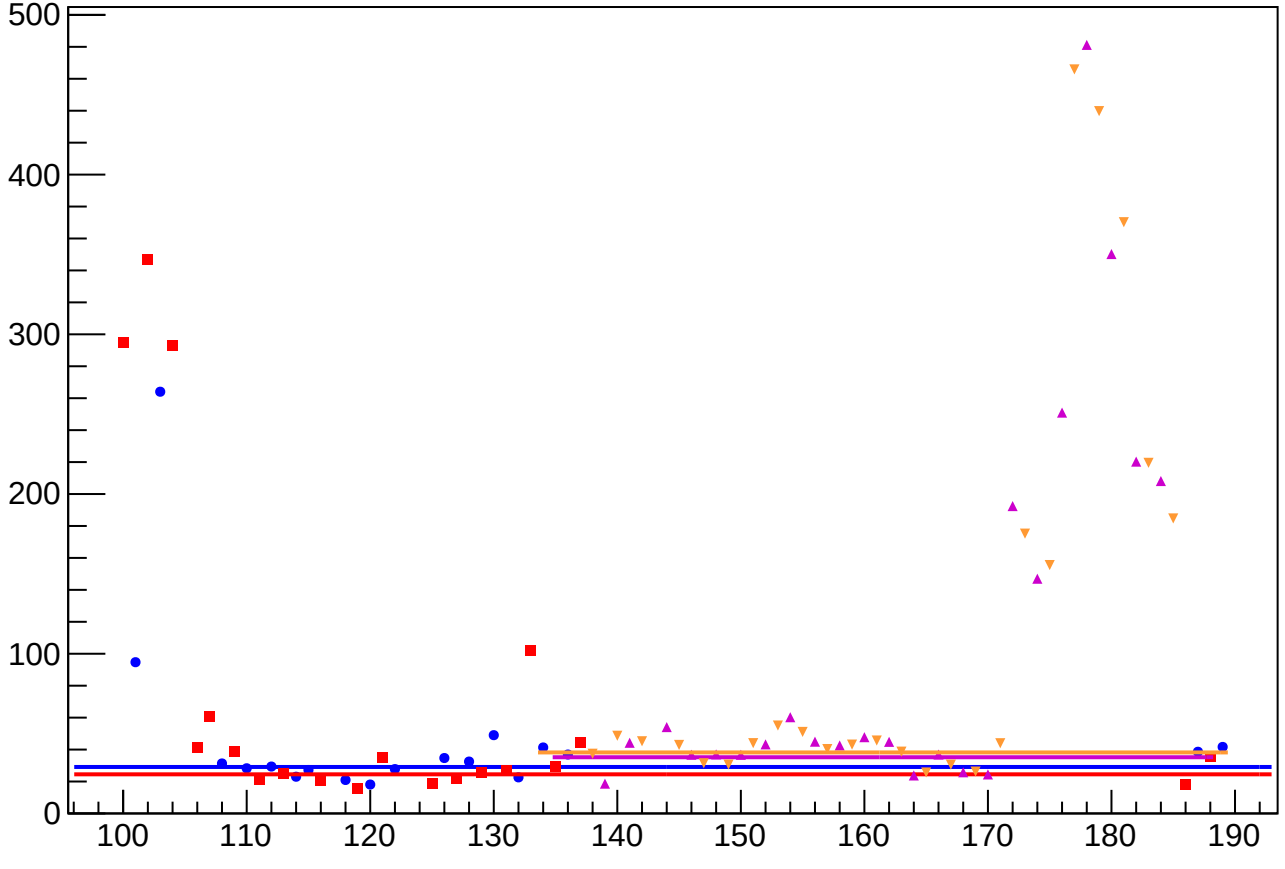
Right: -0.010+/-0.008 χ^2/NDF: 20.6/37

In: -0.013+/-0.008 χ^2/NDF:35.6/40

Out: 0.006+/-0.007 χ^2/NDF:47.0/43

All: -0.003+/-0.005 χ^2/NDF: 85.7/84

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.106+/-0.008 χ^2/NDF: 2360201.2/17

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 24.499+/-0.007 χ^2/NDF: 3176869.4/19

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

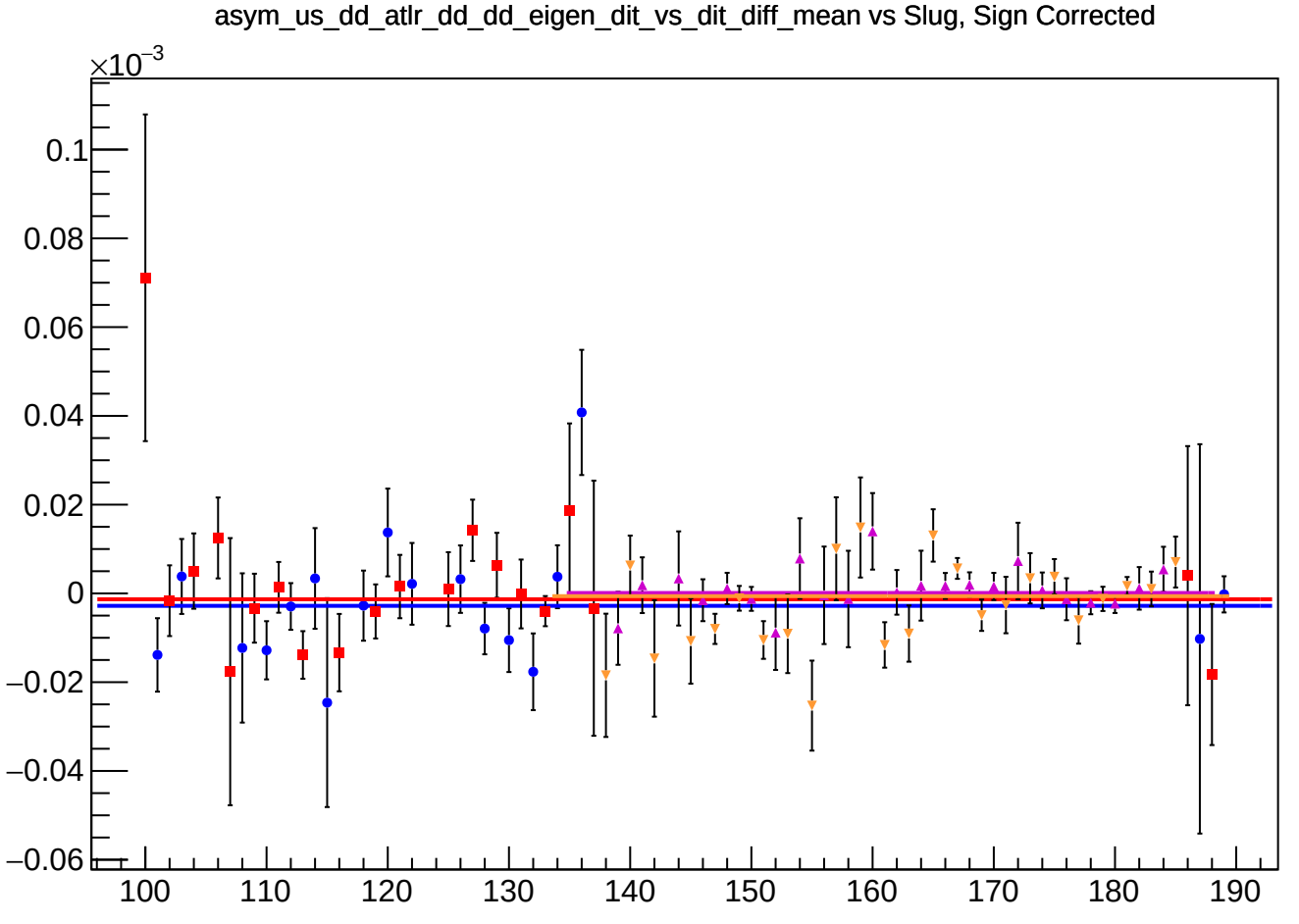
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 26.483+/-0.006 χ^2/NDF: 5706161.5/37

In: 32.612+/-0.006 χ^2/NDF:12049832.8/40

Out: 31.090+/-0.005 χ^2/NDF:13133842.7/43

All: 31.821+/-0.004 χ^2/NDF: 25223344.4/84



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/19

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

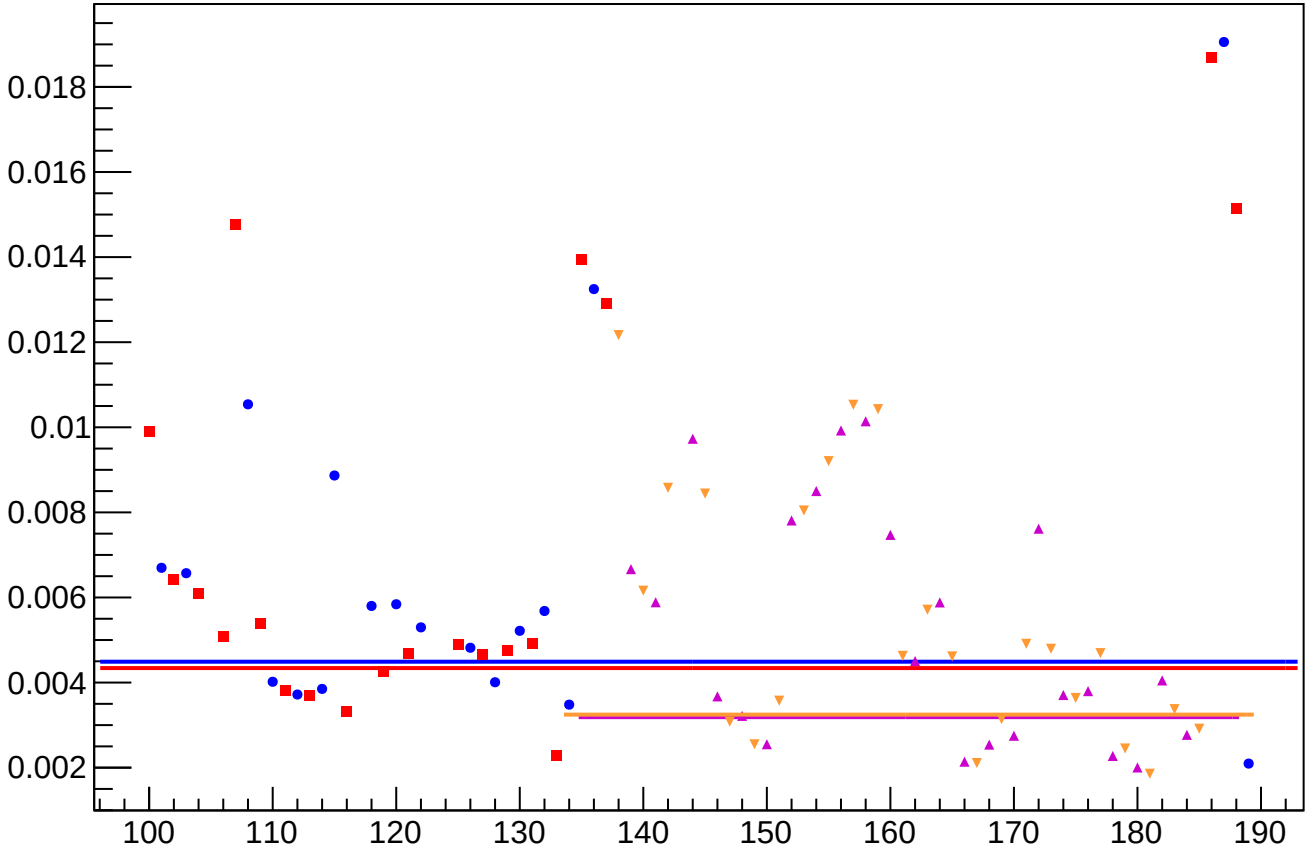
Right: -0.000+/-0.000 χ^2/NDF: 50.2/37

In: -0.000+/-0.000 χ^2/NDF:38.7/40

Out: -0.000+/-0.000 χ^2/NDF:75.5/43

All: -0.000+/-0.000 χ^2/NDF: 114.3/84

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 2557718.9/17

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 3470089.8/19

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

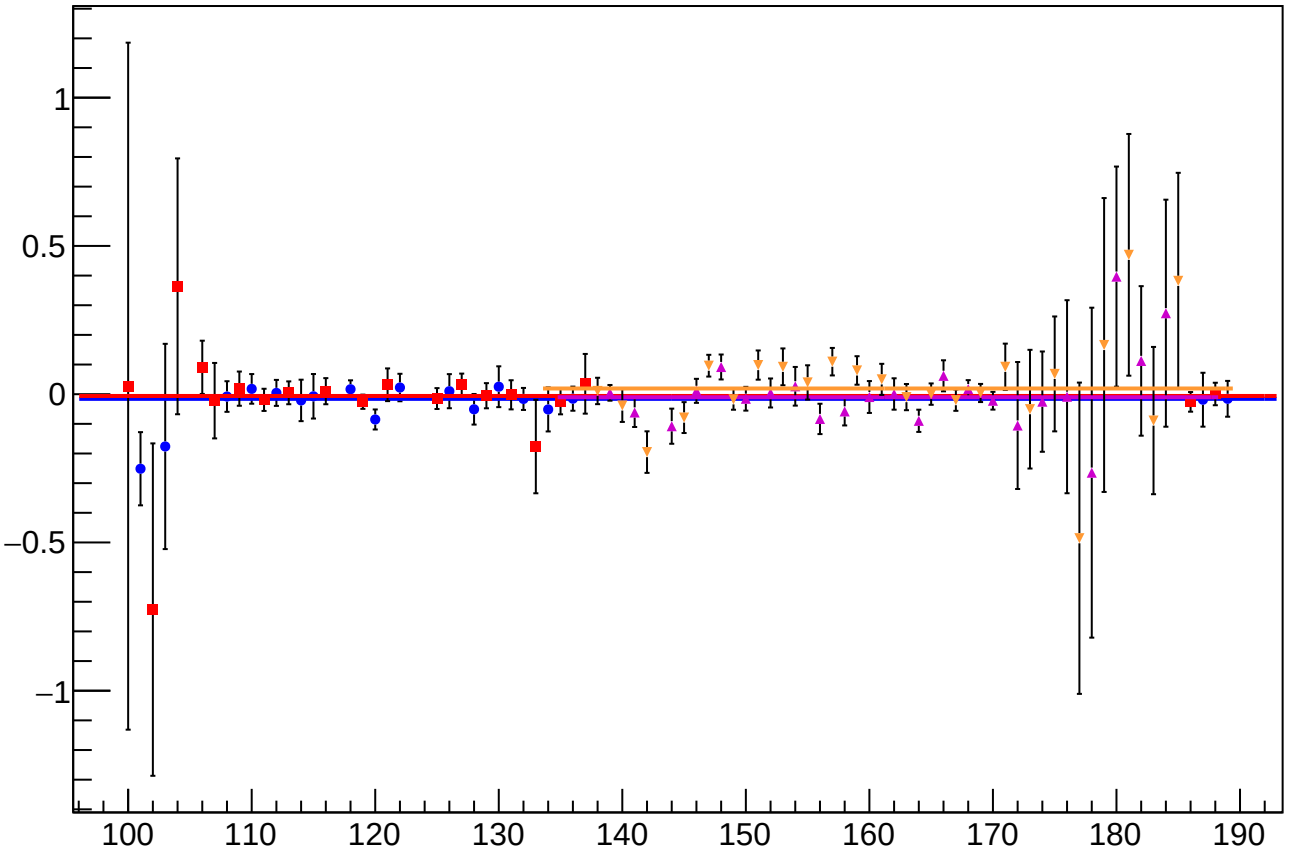
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.004+/-0.000 χ^2/NDF: 6035143.6/37

In: 0.003+/-0.000 χ^2/NDF:10703942.9/40

Out: 0.003+/-0.000 χ^2/NDF:11873305.6/43

All: 0.003+/-0.000 χ^2/NDF: 22581055.5/84



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

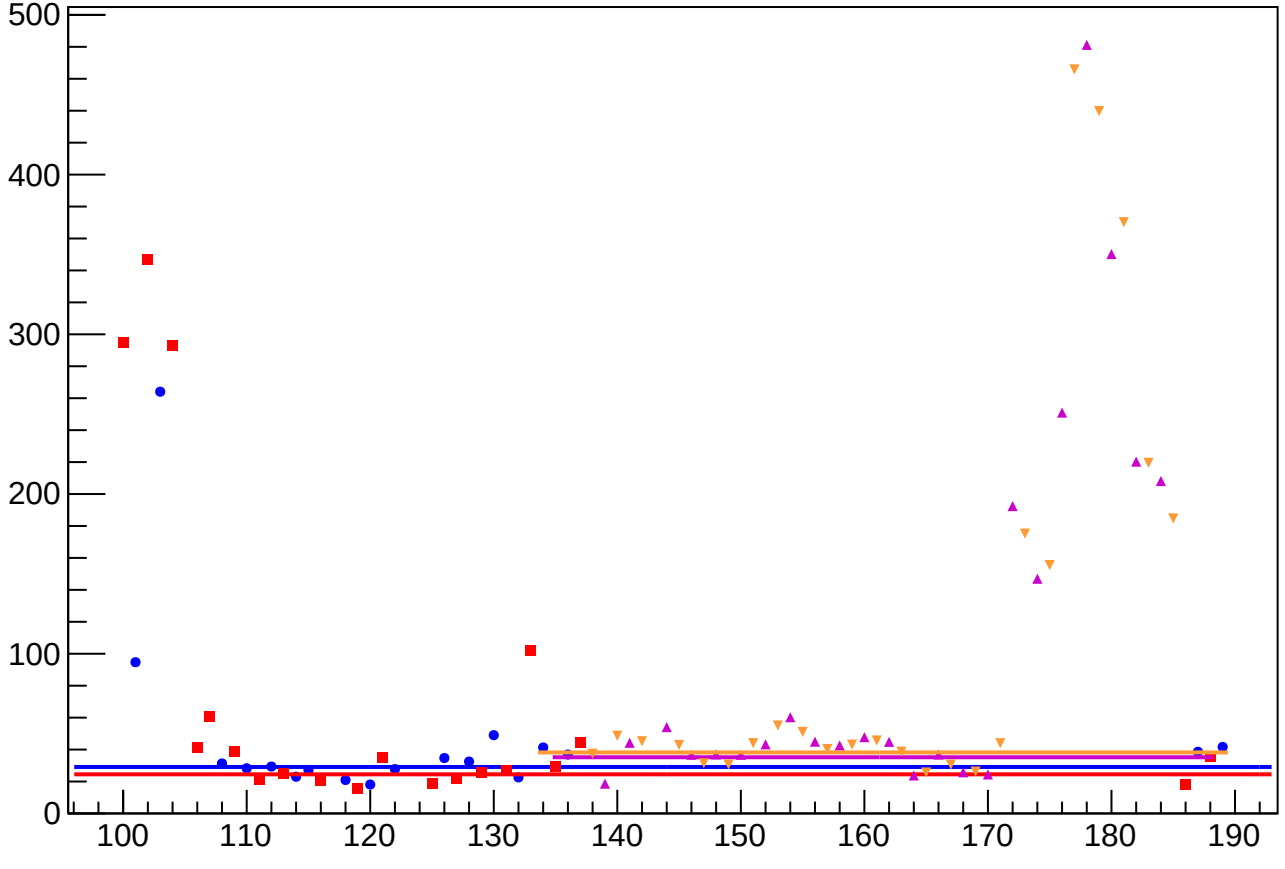
Right: -0.010+/-0.008 χ^2/NDF: 20.6/37

In: -0.013+/-0.008 χ^2/NDF:35.6/40

Out: 0.006+/-0.007 χ^2/NDF:47.0/43

All: -0.003+/-0.005 χ^2/NDF: 85.7/84

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.106+/-0.008 χ^2/NDF: 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 24.497+/-0.007 χ^2/NDF: 3177088.9/19

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

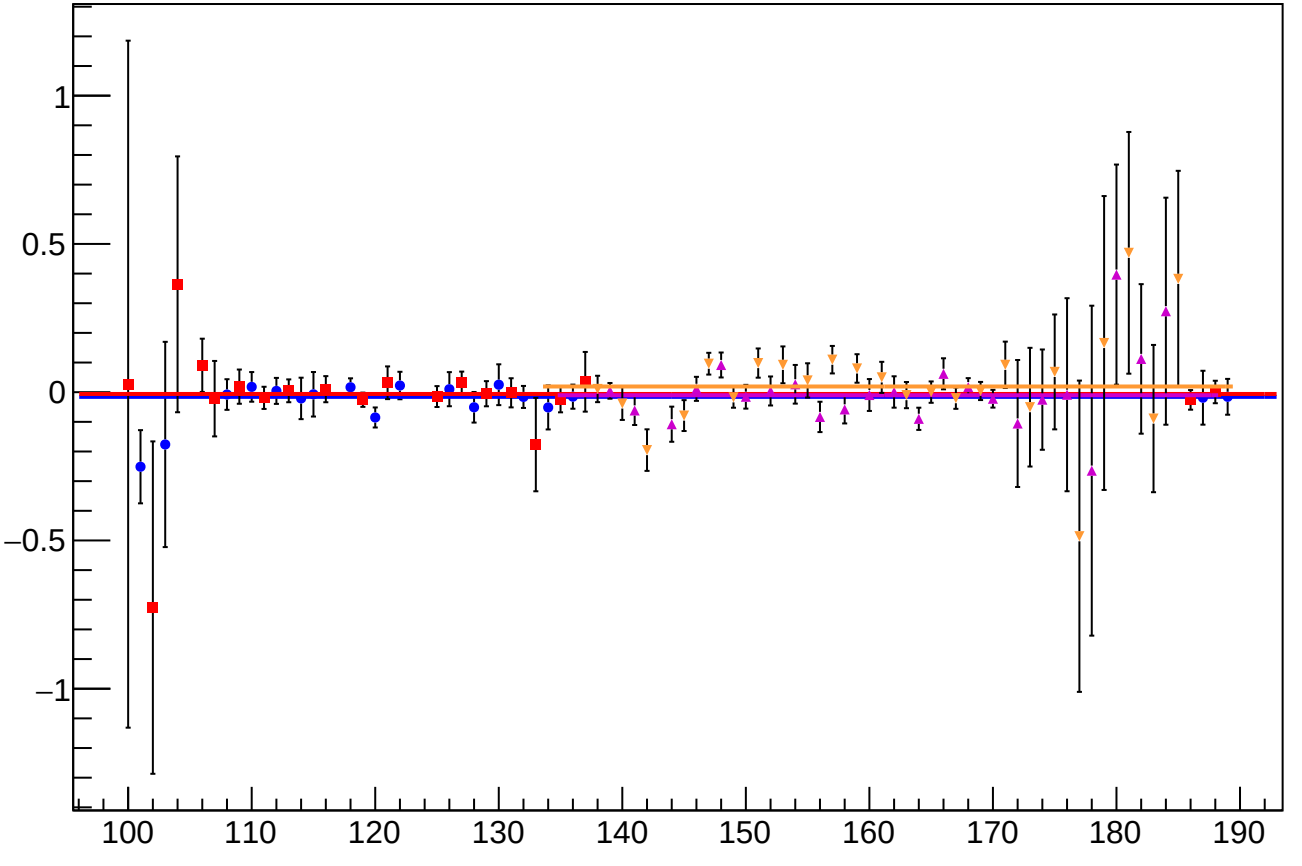
Right: 26.482+/-0.006 χ^2/NDF: 5706513.8/37

In: 32.611+/-0.006 χ^2/NDF:12050235.2/40

Out: 31.088+/-0.005 χ^2/NDF:13134753.2/43

All: 31.820+/-0.004 χ^2/NDF: 25224731.0/84

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/17

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

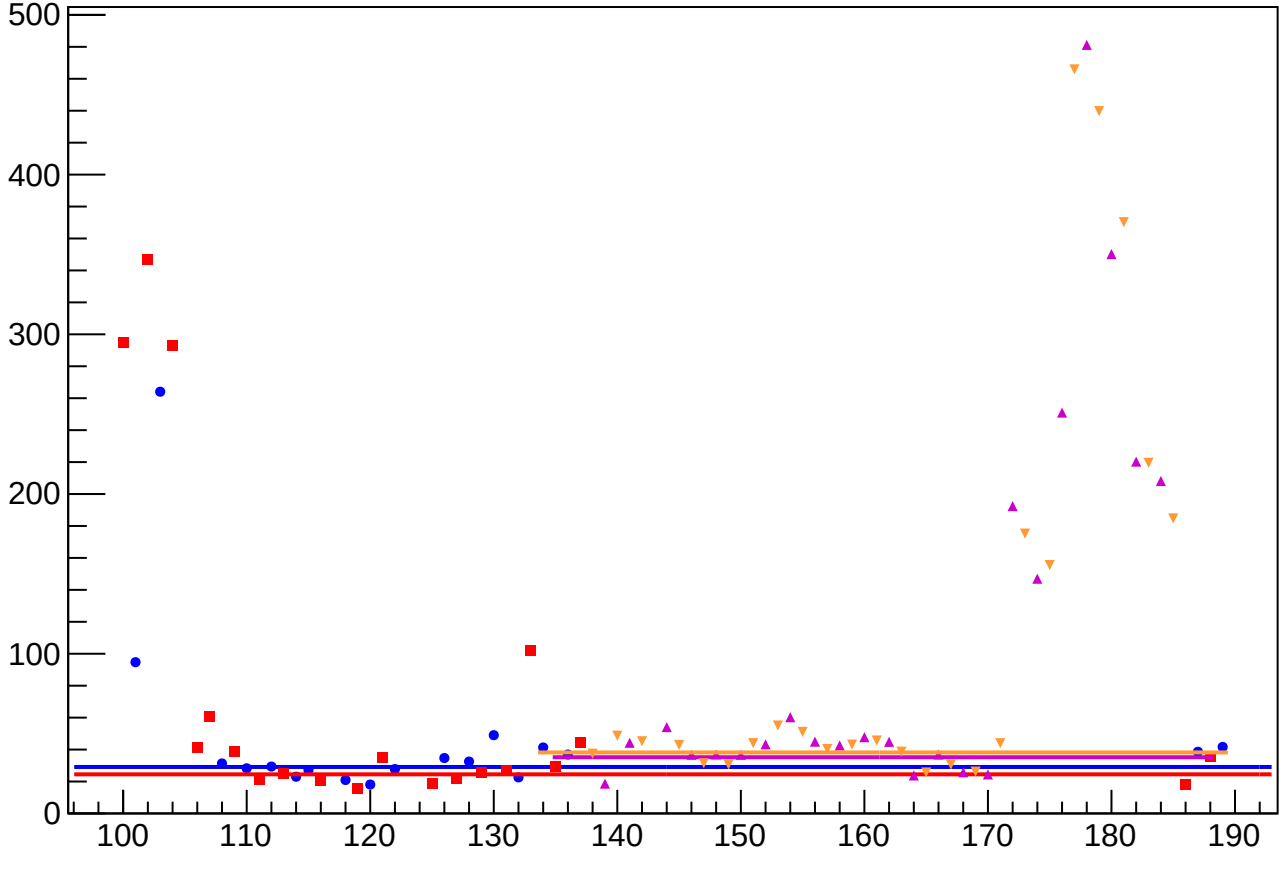
Right: -0.010+/-0.008 χ^2/NDF: 20.6/37

In: -0.013+/-0.008 χ^2/NDF:35.6/40

Out: 0.006+/-0.007 χ^2/NDF:47.0/43

All: -0.003+/-0.005 χ^2/NDF: 85.7/84

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.106+/-0.008 χ^2/NDF: 2360184.1/17

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 24.497+/-0.007 χ^2/NDF: 3177088.9/19

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

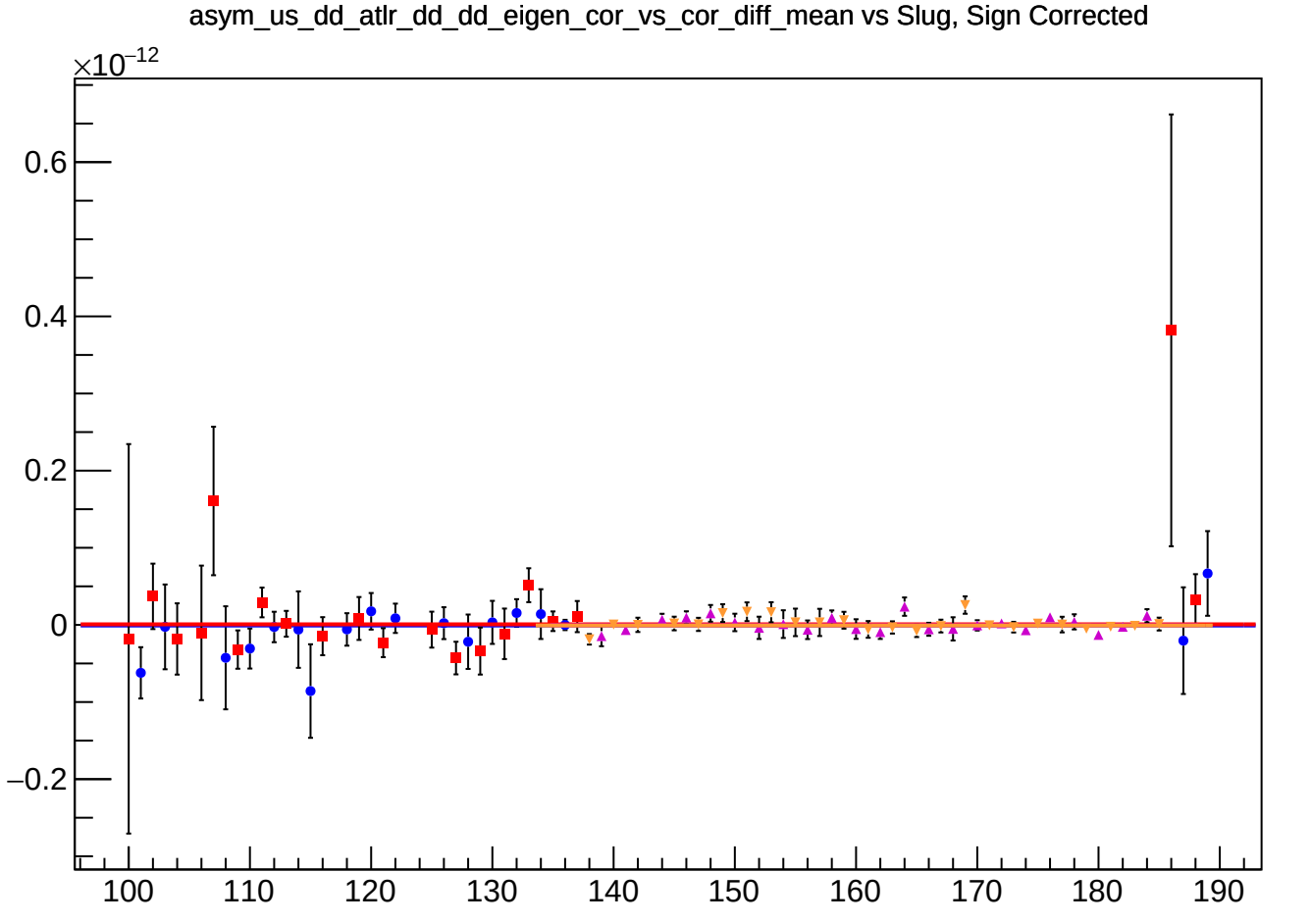
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 26.482+/-0.006 χ^2/NDF: 5706513.8/37

In: 32.611+/-0.006 χ^2/NDF:12050235.2/40

Out: 31.088+/-0.005 χ^2/NDF:13134753.2/43

All: 31.820+/-0.004 χ^2/NDF: 25224731.0/84



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/19

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

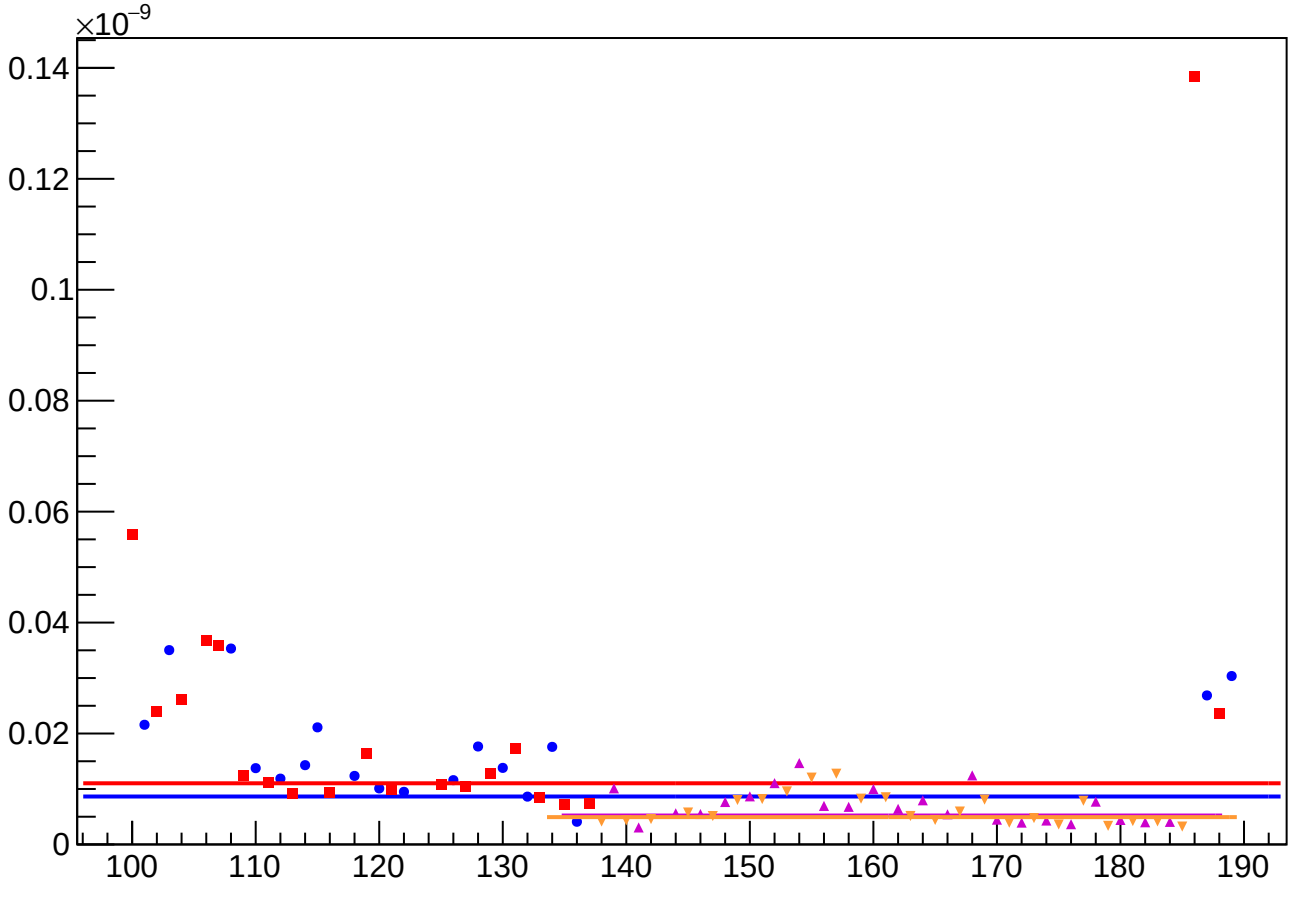
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

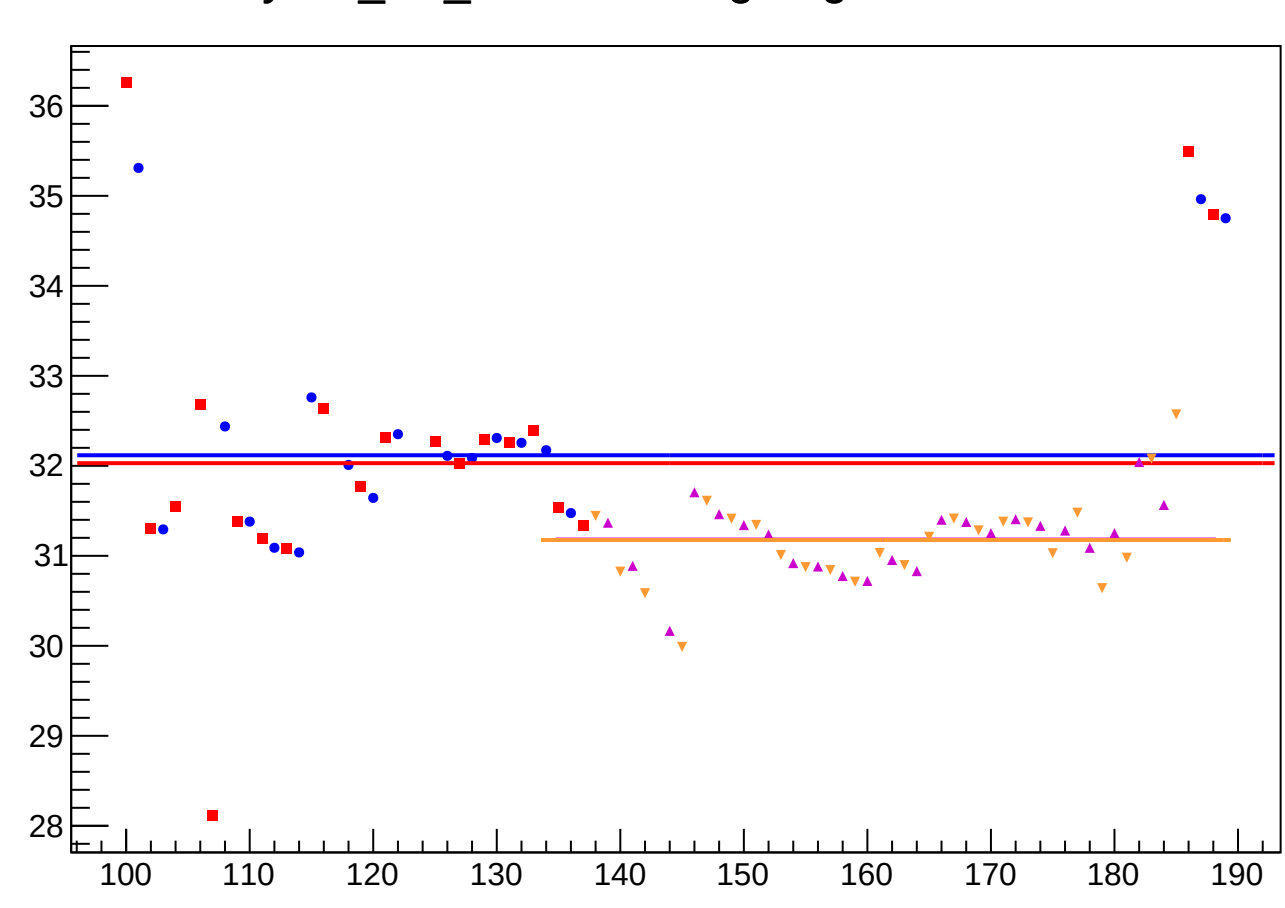
Right: -0.000+/-0.000 χ^2/NDF: 35.0/37

In: -0.000+/-0.000 χ^2/NDF:37.3/40

Out: -0.000+/-0.000 χ^2/NDF:45.1/43

All: -0.000+/-0.000 χ^2/NDF: 82.4/84


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3167538.6/17
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 1952833.4/19
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
Left: 0.000+/-0.000 χ²/NDF: 6113497.8/46
Right: 0.000+/-0.000 χ²/NDF: 5334218.4/37
In: 0.000+/-0.000 χ²/NDF:7547810.7/40
Out: 0.000+/-0.000 χ²/NDF:6832918.4/43
All: 0.000+/-0.000 χ²/NDF: 14397417.9/84



Right In: 32.117+/-0.000 χ^2/NDF: 1158409623.7/17

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.030+/-0.000 χ^2/NDF: 1113859072.3/19

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

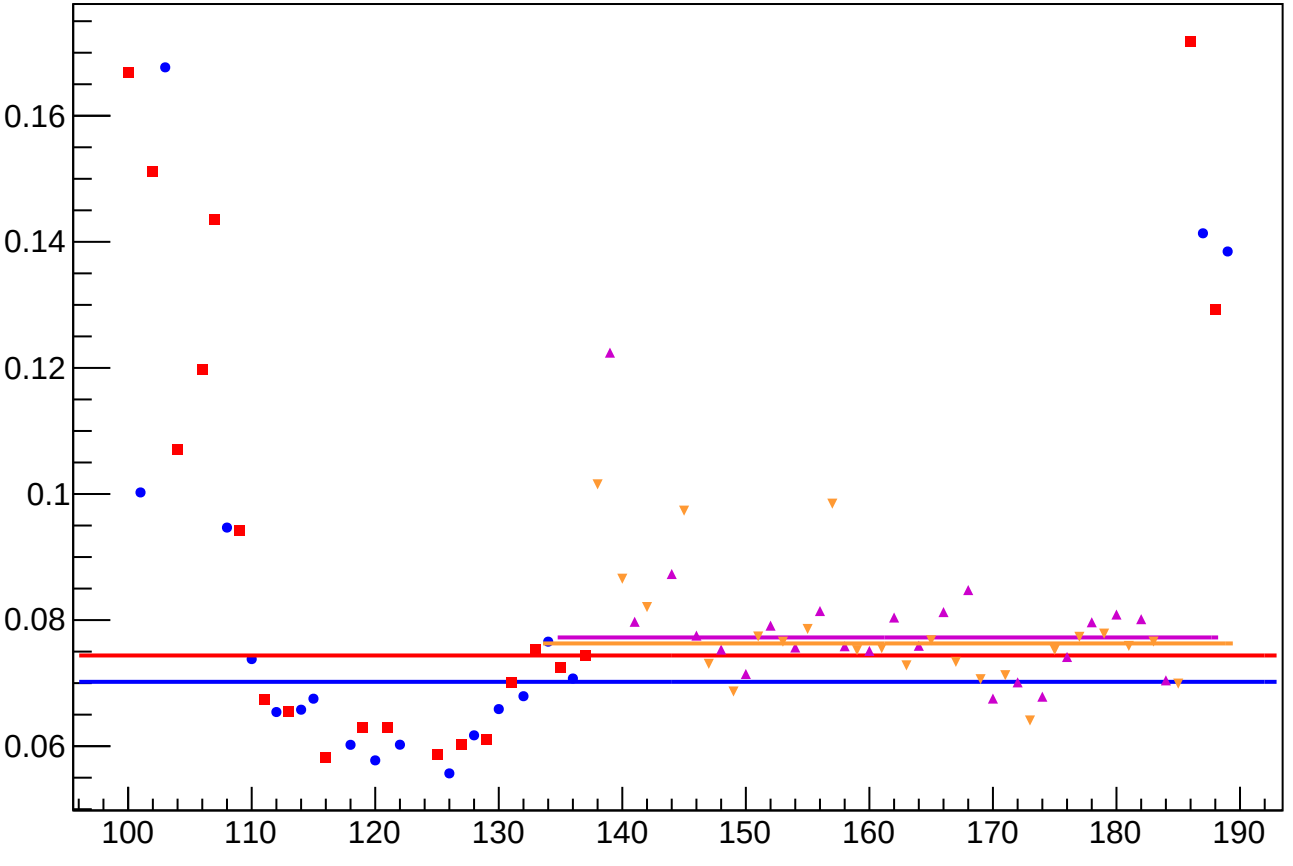
Right: 32.075+/-0.000 χ^2/NDF: 2277446597.2/37

In: 31.491+/-0.000 χ^2/NDF:2339751215.8/40

Out: 31.443+/-0.000 χ^2/NDF:2300207501.3/43

All: 31.467+/-0.000 χ^2/NDF: 4644770971.1/8

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.070+/-0.000 χ^2/NDF: 1045528.0/17

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.074+/-0.000 χ^2/NDF: 1497051.7/19

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

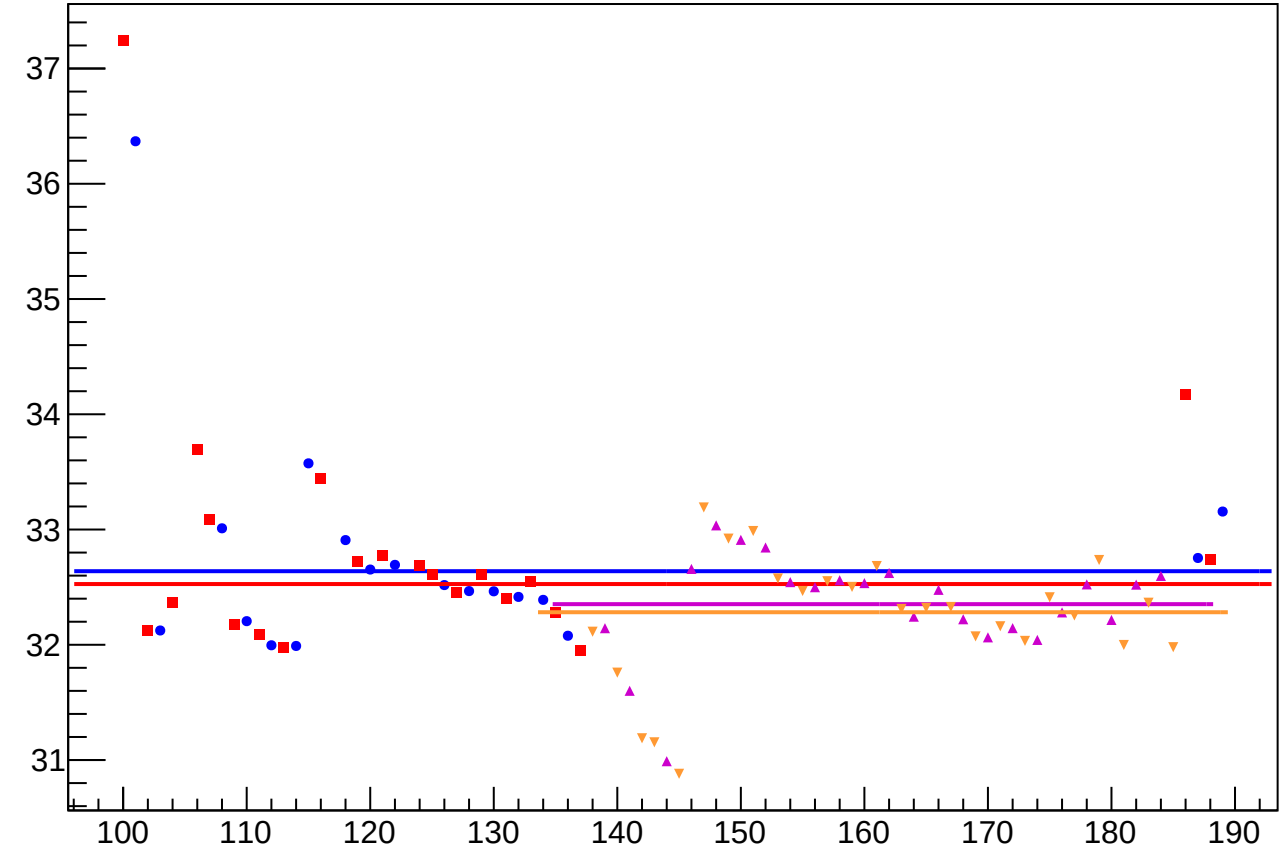
Right: 0.072+/-0.000 χ^2/NDF: 2566025.8/37

In: 0.075+/-0.000 χ^2/NDF:1501757.0/40

Out: 0.076+/-0.000 χ^2/NDF:1860316.8/43

All: 0.075+/-0.000 χ^2/NDF: 3364632.9/84

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.638+/-0.000 χ^2/NDF: 744771316.2/17

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.527+/-0.000 χ^2/NDF: 214677154.6/20

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

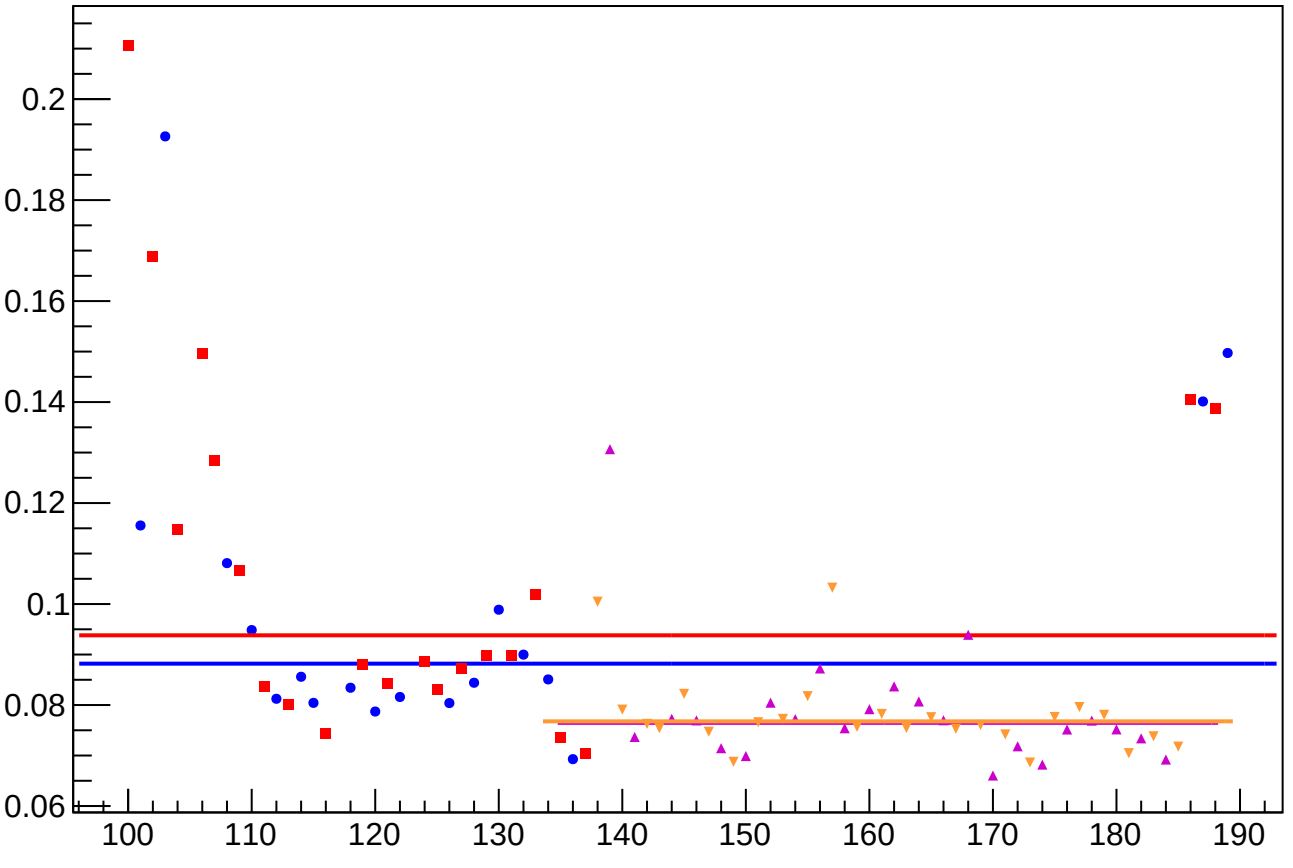
Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

Right: 32.583+/-0.000 χ^2/NDF: 964837562.2/38

In: 32.419+/-0.000 χ^2/NDF:1389444054.8/40

Out: 32.337+/-0.000 χ^2/NDF:1093566256.5/45

All: 32.377+/-0.000 χ^2/NDF: 2495877007.4/8



Right In: 0.088+/-0.000 χ^2/NDF: 803415.8/17

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.094+/-0.000 χ^2/NDF: 912600.6/20

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

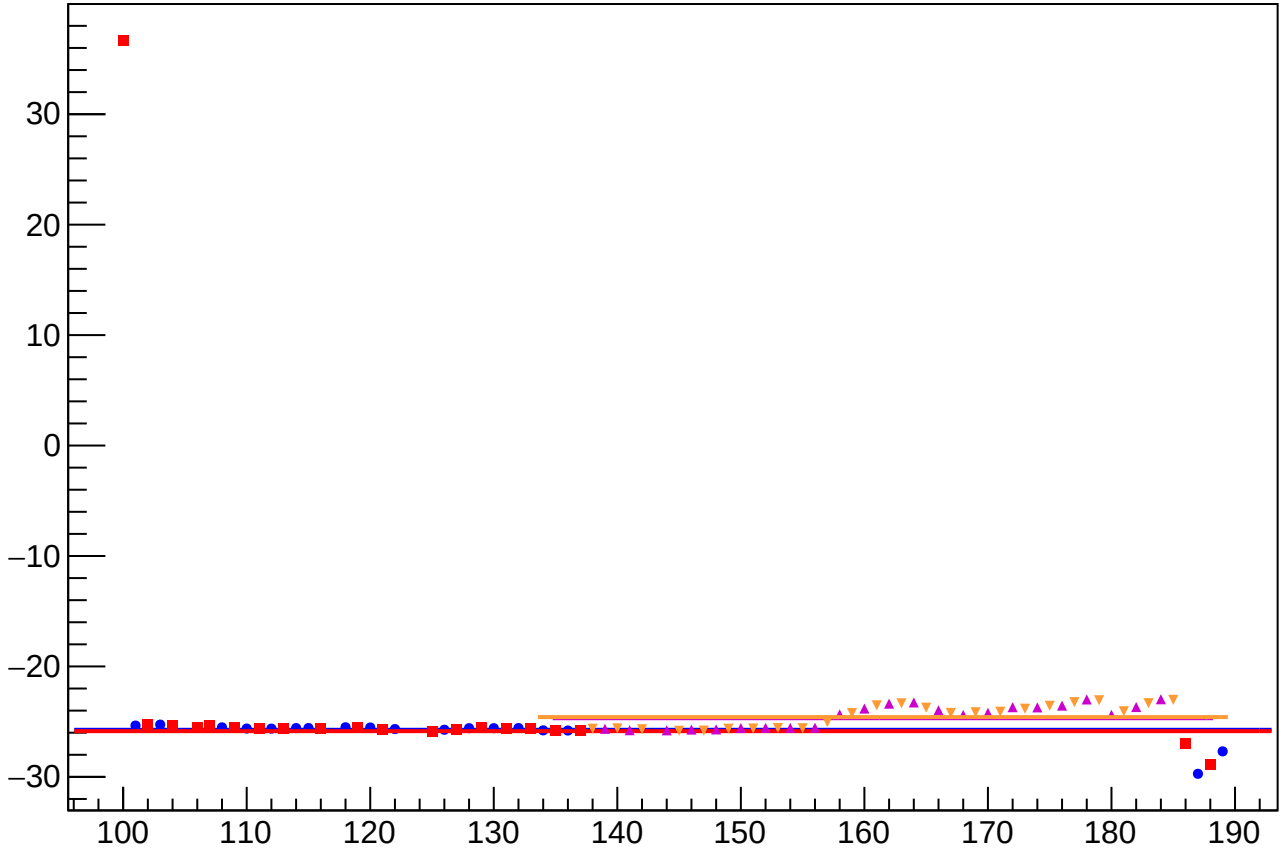
Right: 0.091+/-0.000 χ^2/NDF: 1743315.9/38

In: 0.079+/-0.000 χ^2/NDF:1470242.6/40

Out: 0.081+/-0.000 χ^2/NDF:1551215.8/45

All: 0.080+/-0.000 χ^2/NDF: 3028544.4/86

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.737+/-0.000 χ^2/NDF: 1995035888.2/17

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.860+/-0.000 χ^2/NDF: 12831877194.3/19

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

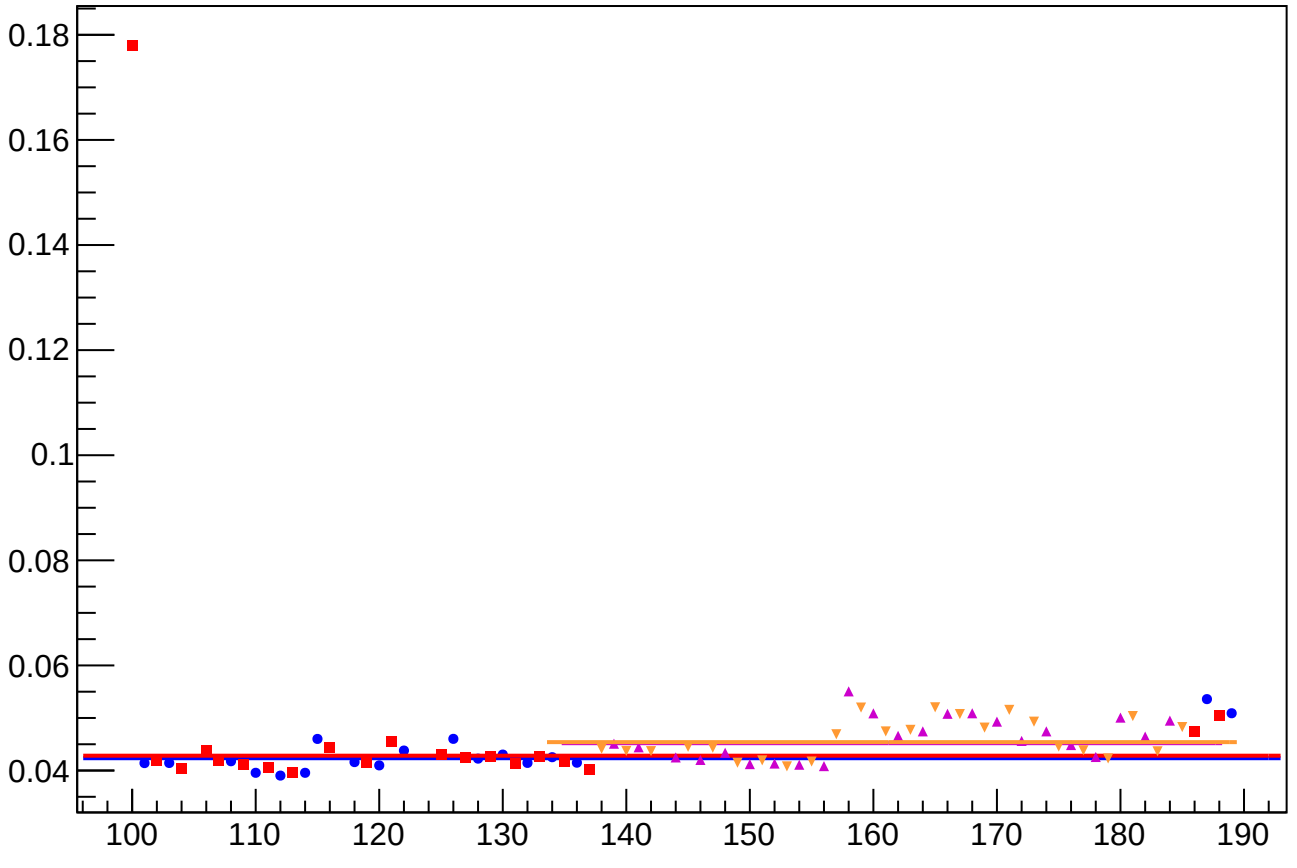
Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

Right: -25.800+/-0.000 χ^2/NDF: 14860993223.5/37

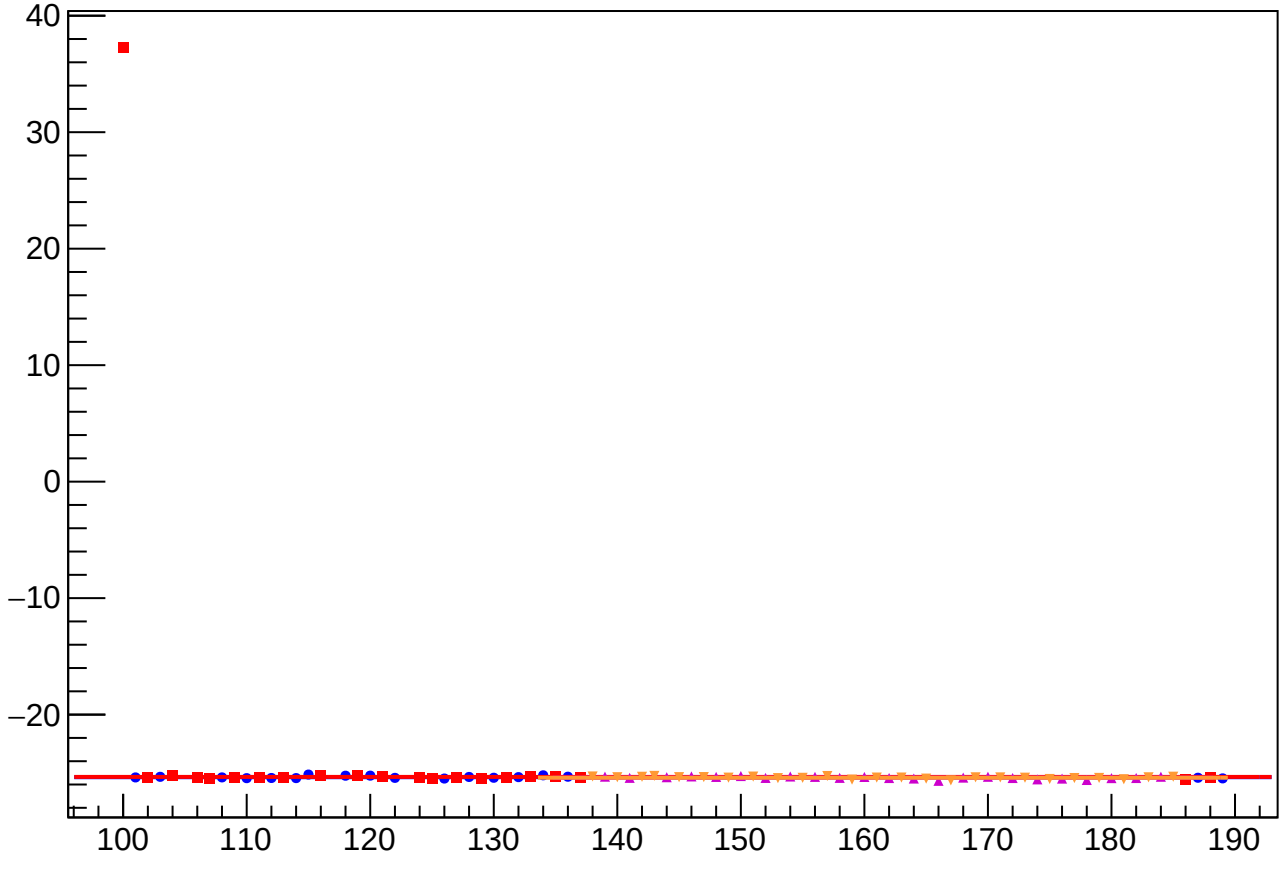
In: -25.039+/-0.000 χ^2/NDF:14016661255.0/40

Out: -25.031+/-0.000 χ^2/NDF:26944232850.8/43

All: -25.035+/-0.000 χ^2/NDF: 40961391364.1


yield_dsl_rms vs Slug, Sign Corrected
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
100
110
120
130
140
150
160
170
180
190
Right In: 0.042+/-0.000 χ²/NDF: 69408.4/17
Left Out: 0.045+/-0.000 χ²/NDF:205535.7/23
Right Out: 0.043+/-0.000 χ²/NDF: 158510.1/19
Left In: 0.045+/-0.000 χ²/NDF:244675.5/22
Left: 0.045+/-0.000 χ²/NDF: 450560.0/46
Right: 0.043+/-0.000 χ²/NDF: 228962.7/37
In: 0.044+/-0.000 χ²/NDF:361792.2/40
Out: 0.045+/-0.000 χ²/NDF:404565.3/43
All: 0.044+/-0.000 χ²/NDF: 767231.5/84

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.373+/-0.000 χ^2/NDF: 16083627.2/17

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.348+/-0.000 χ^2/NDF: 6324307734.6/20

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

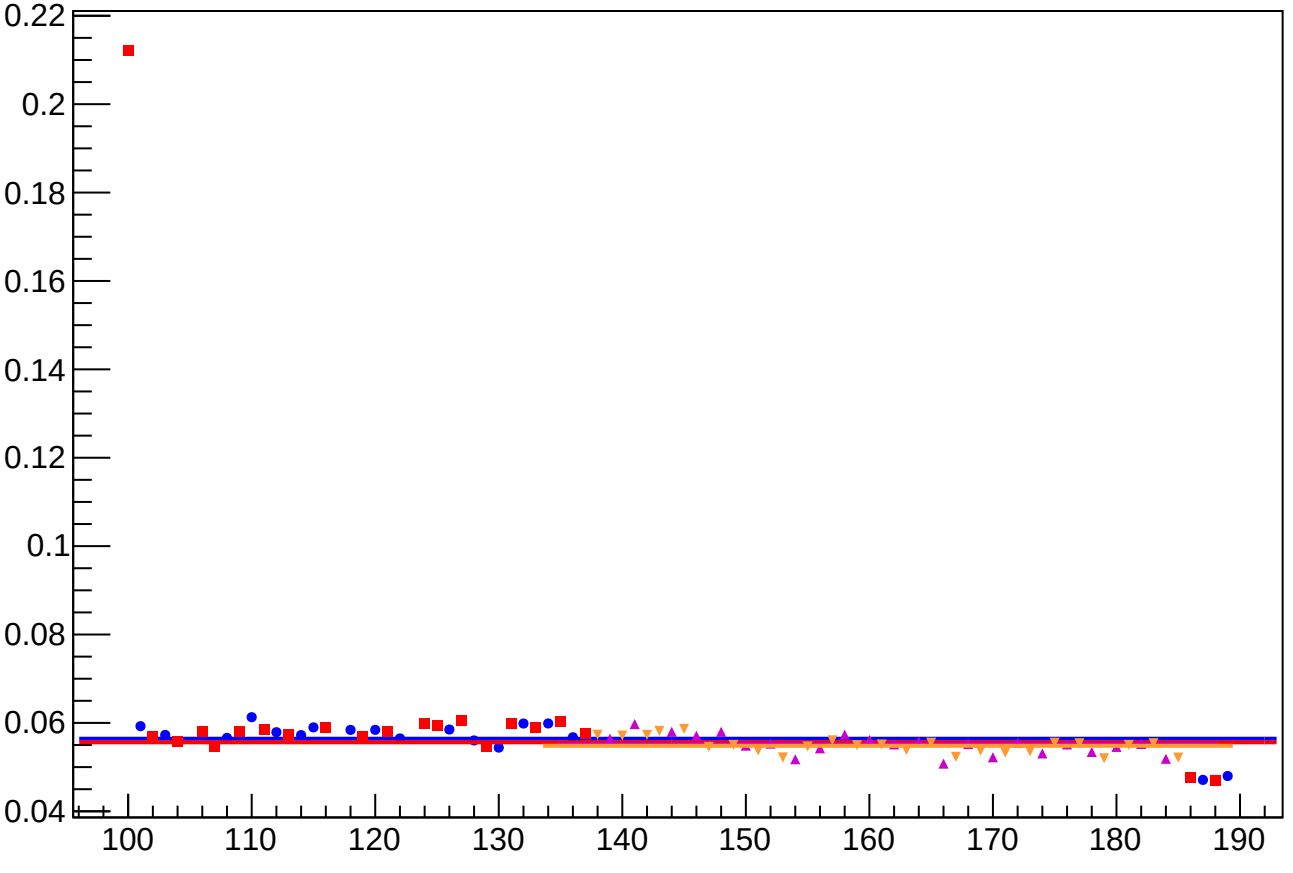
Right: -25.359+/-0.000 χ^2/NDF: 6341212853.0/38

In: -25.402+/-0.000 χ^2/NDF:74844716.1/40

Out: -25.396+/-0.000 χ^2/NDF:6385654936.4/45

All: -25.399+/-0.000 χ^2/NDF: 6460686228.3/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.056+/-0.000 χ^2/NDF: 65447.1/17

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.056+/-0.000 χ^2/NDF: 199764.1/20

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

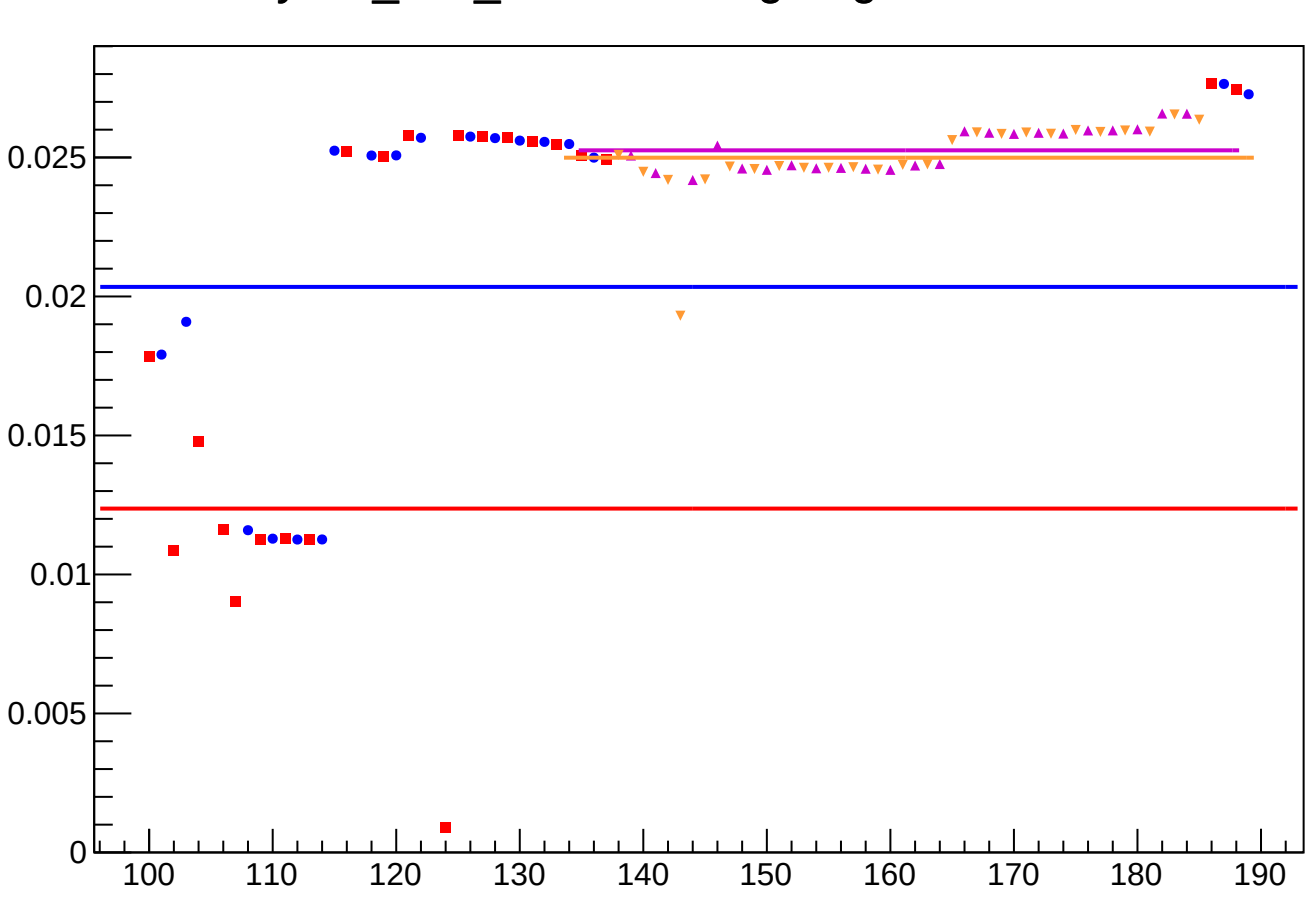
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.056+/-0.000 χ^2/NDF: 266879.7/38

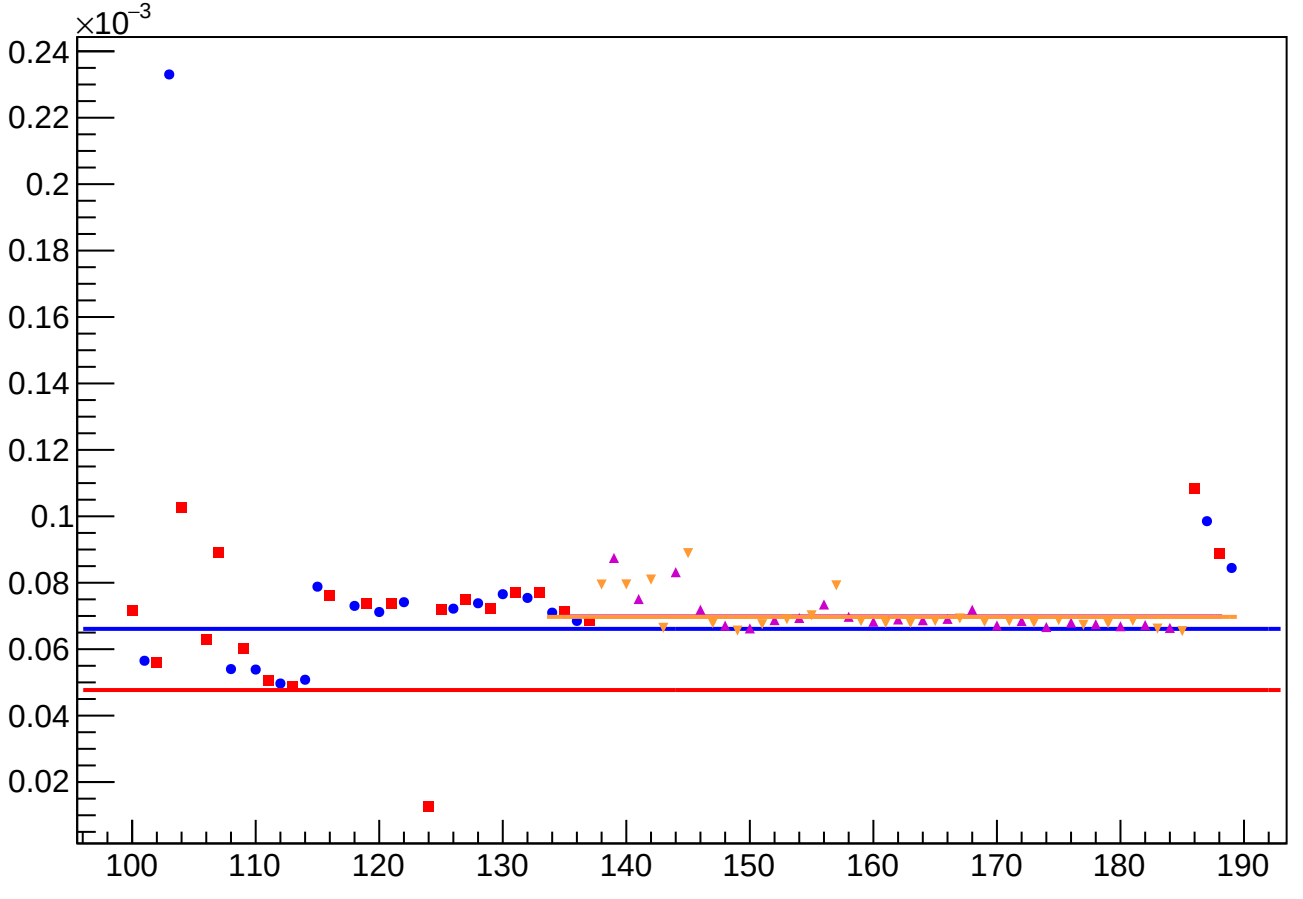
In: 0.055+/-0.000 χ^2/NDF:122795.1/40

Out: 0.055+/-0.000 χ^2/NDF:240240.2/45

All: 0.055+/-0.000 χ^2/NDF: 364610.7/86


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.020+/-0.000 χ²/NDF: 67216650235.6/17
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.012+/-0.000 χ²/NDF: 291470290586.9/20
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.015+/-0.000 χ²/NDF: 423564688712.3/38
In: 0.024+/-0.000 χ²/NDF:96586955495.6/40
Out: 0.020+/-0.000 χ²/NDF:552069839937.7/45
All: 0.022+/-0.000 χ²/NDF: 693125553583.8

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 909342.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4470156.4/20

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

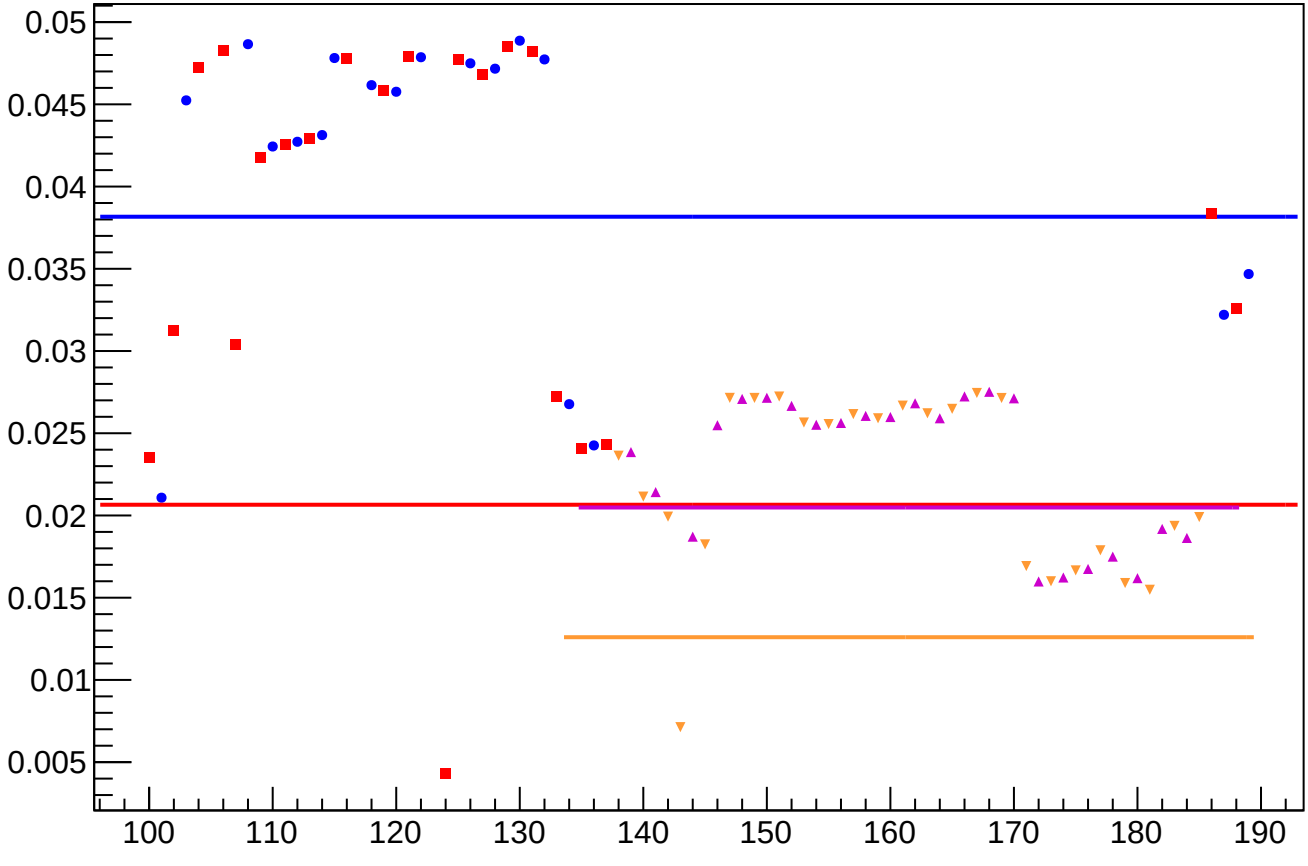
Right: 0.000+/-0.000 χ^2/NDF: 6071448.9/38

In: 0.000+/-0.000 χ^2/NDF:1093857.3/40

Out: 0.000+/-0.000 χ^2/NDF:6197622.4/45

All: 0.000+/-0.000 χ^2/NDF: 7663805.2/86

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7138914592.7/17

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 43188659895.5/20

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

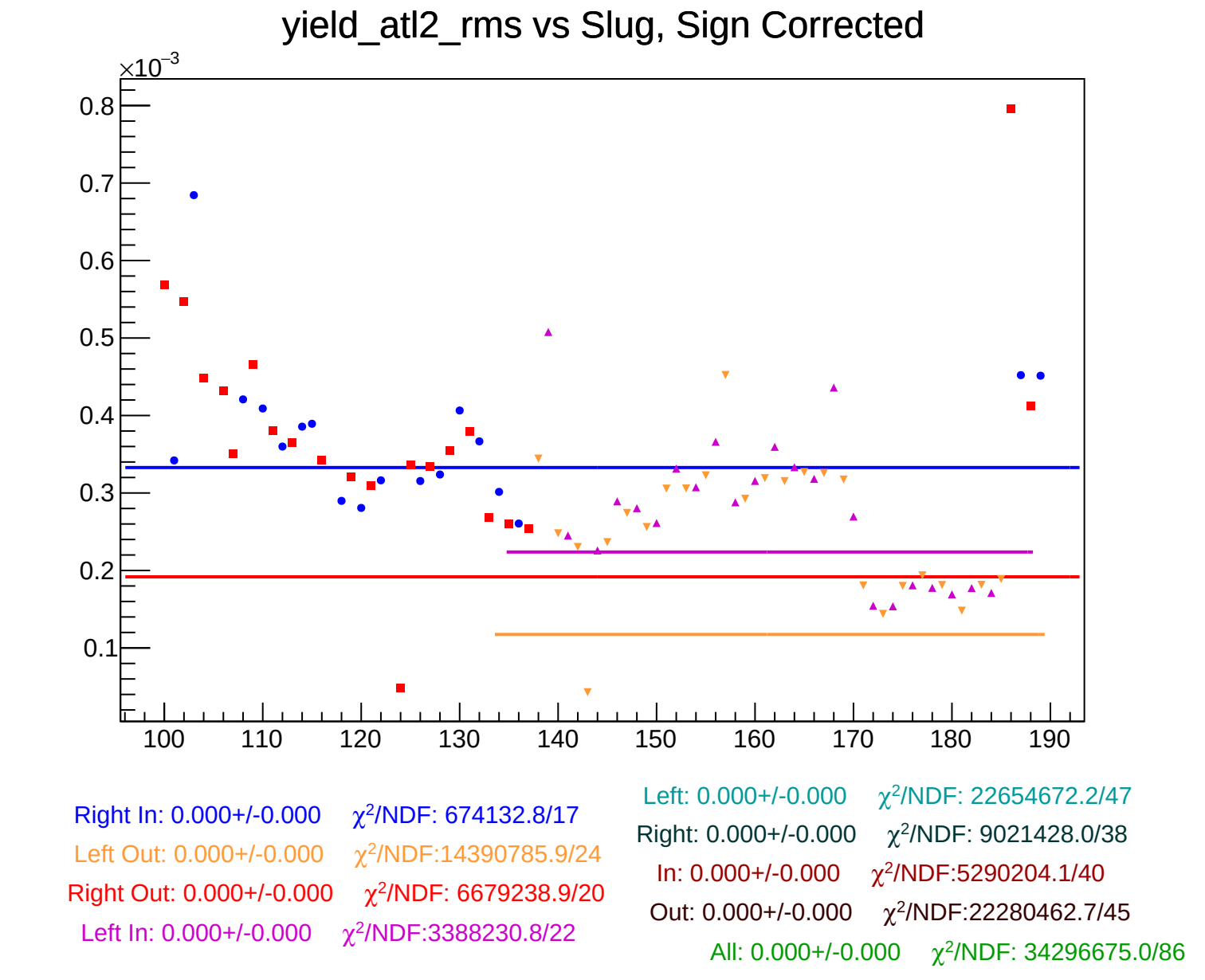
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.026+/-0.000 χ^2/NDF: 63184930616.0/38

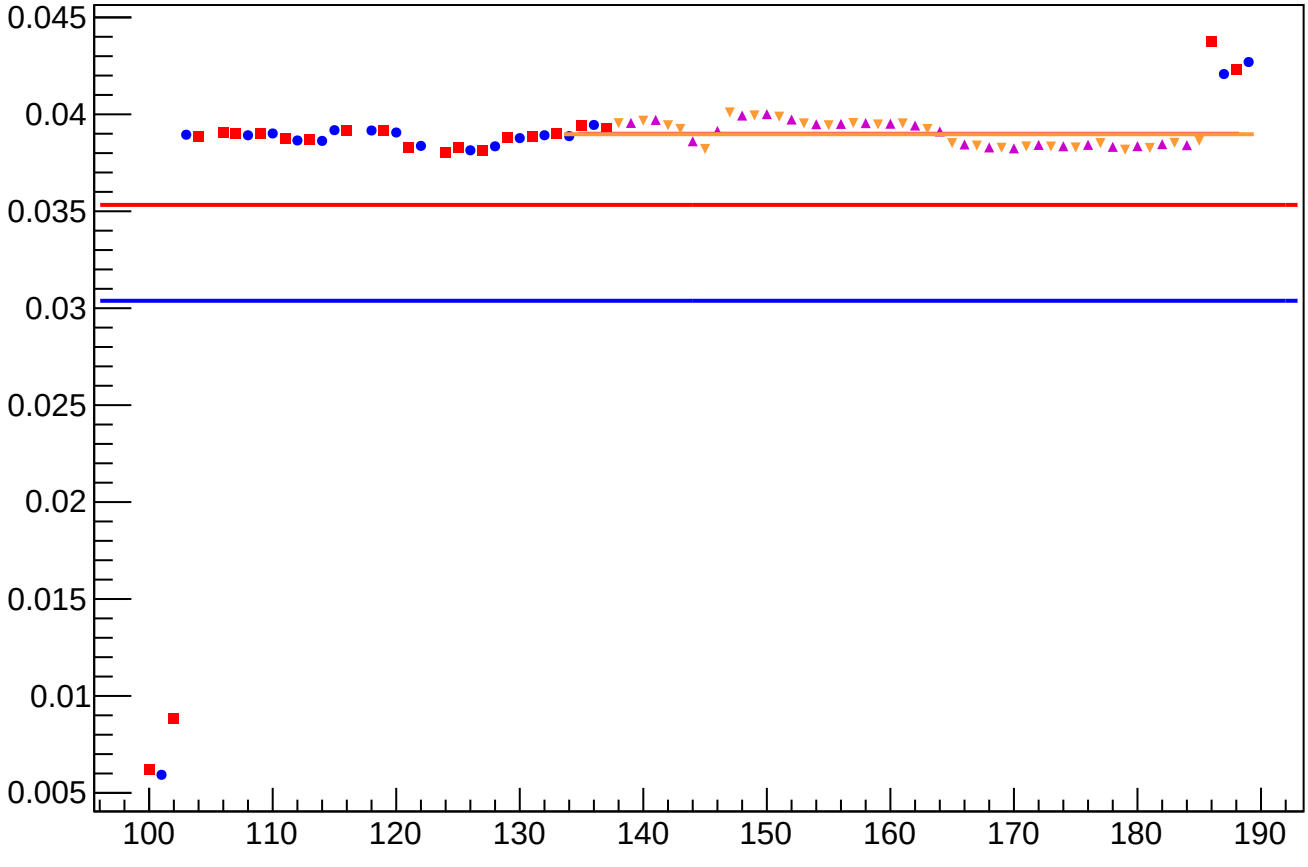
In: 0.024+/-0.000 χ^2/NDF:29387663222.4/40

Out: 0.014+/-0.000 χ^2/NDF:87628044502.2/45

All: 0.017+/-0.000 χ^2/NDF: 141476851541.7


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 674132.8/17
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6679238.9/20
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 9021428.0/38
In: 0.000+/-0.000 χ²/NDF:5290204.1/40
Out: 0.000+/-0.000 χ²/NDF:22280462.7/45
All: 0.000+/-0.000 χ²/NDF: 34296675.0/86

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 110883577952.2/17

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 49197545673.4/20

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

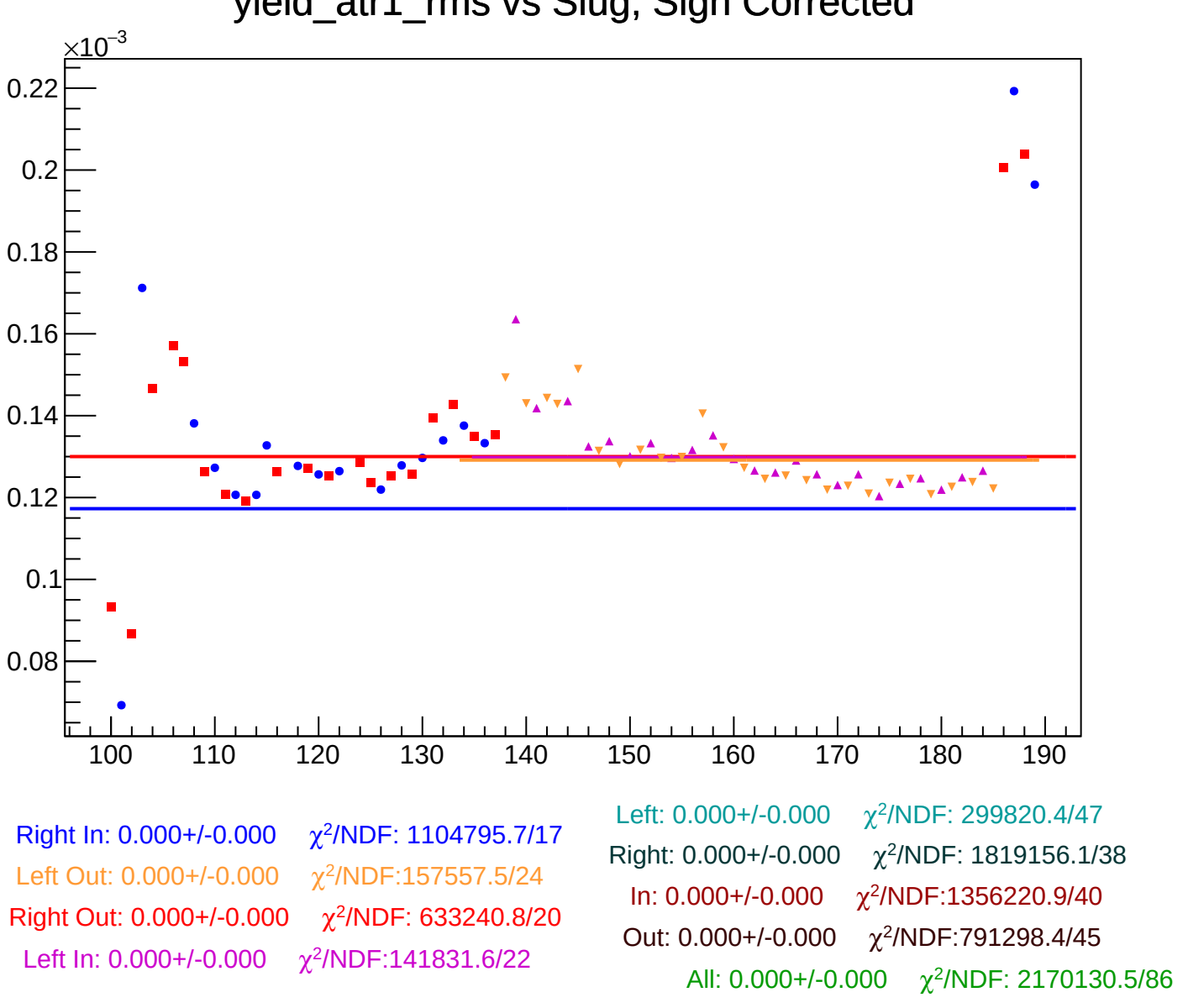
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.033+/-0.000 χ^2/NDF: 166203229807.2/38

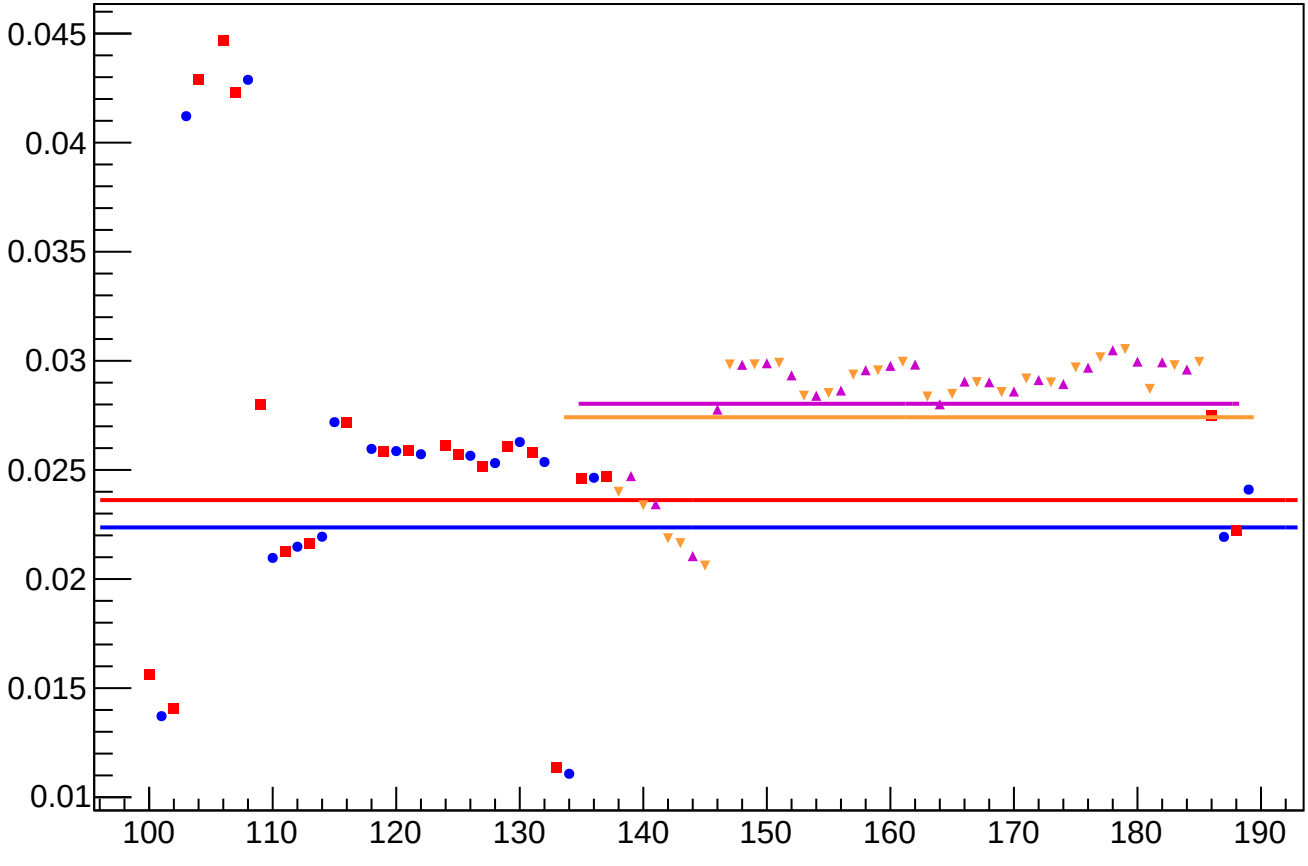
In: 0.036+/-0.000 χ^2/NDF:137326124132.4/40

Out: 0.038+/-0.000 χ^2/NDF:54142643780.7/45

All: 0.037+/-0.000 χ^2/NDF: 193893587492.5


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1104795.7/17
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 633240.8/20
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: 1819156.1/38
In: 0.000+/-0.000 χ²/NDF:1356220.9/40
Out: 0.000+/-0.000 χ²/NDF:791298.4/45
All: 0.000+/-0.000 χ²/NDF: 2170130.5/86

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5024142889.0/17

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.024+/-0.000 χ^2/NDF: 5619454259.2/20

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

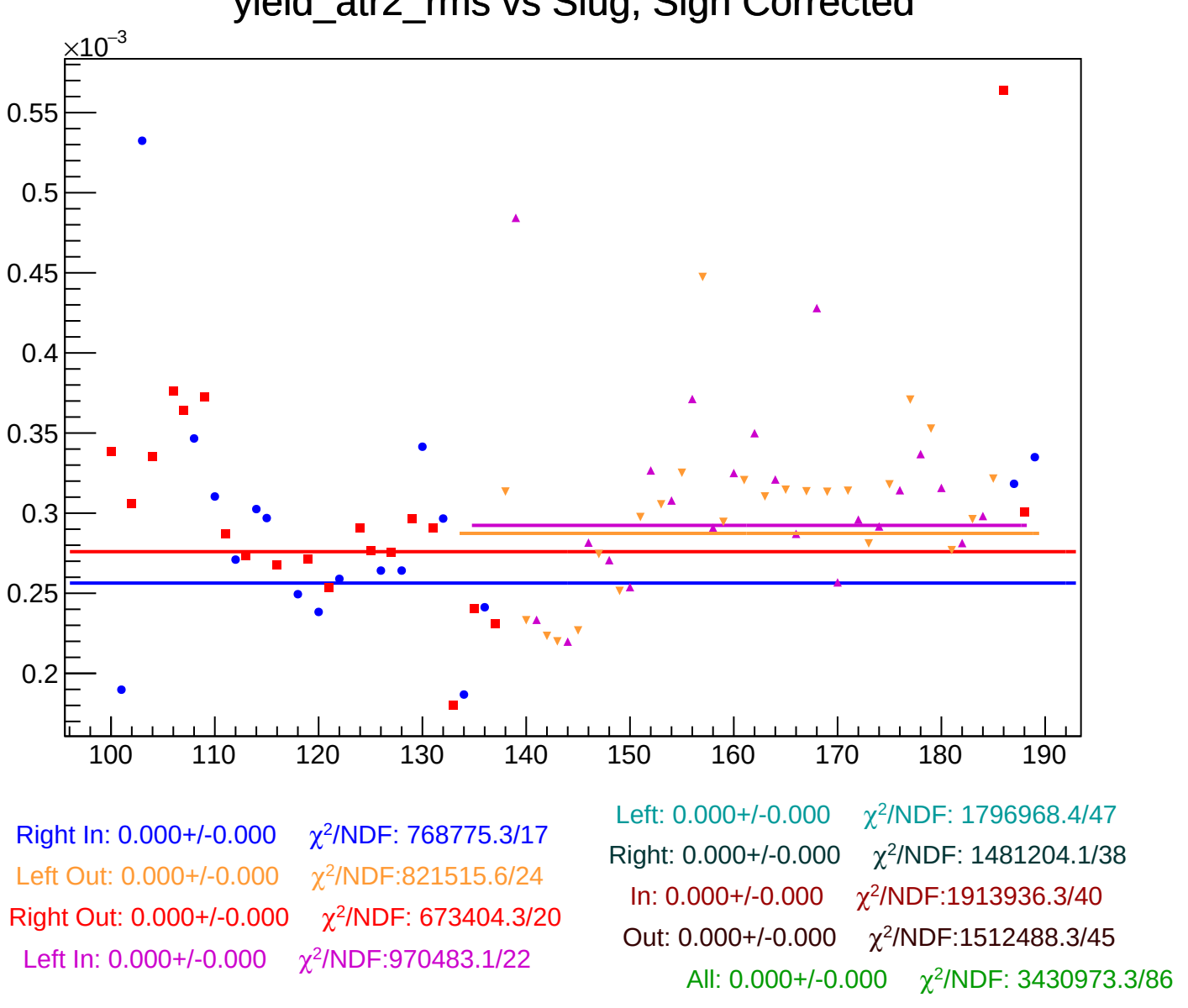
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

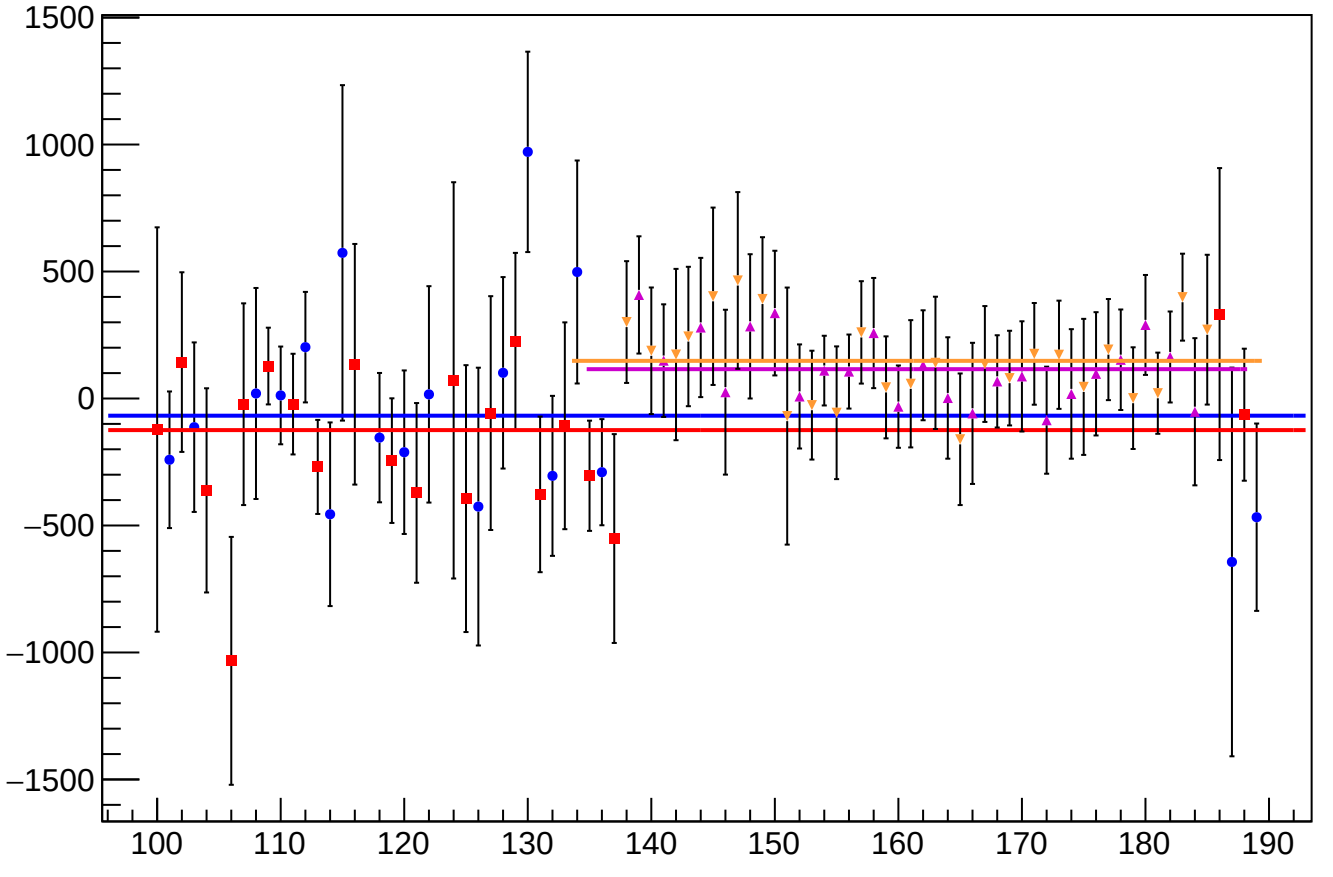
Right: 0.023+/-0.000 χ^2/NDF: 10723147373.6/38

In: 0.026+/-0.000 χ^2/NDF:8677003827.1/40

Out: 0.026+/-0.000 χ^2/NDF:8830461735.2/45

All: 0.026+/-0.000 χ^2/NDF: 17509986977.6/8


yield_atr2_rms vs Slug, Sign Corrected
×10⁻³
0.55
0.5
0.45
0.4
0.35
0.3
0.25
0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 768775.3/17
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 673404.3/20
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
Left: 0.000+/-0.000 χ²/NDF: 1796968.4/47
Right: 0.000+/-0.000 χ²/NDF: 1481204.1/38
In: 0.000+/-0.000 χ²/NDF:1913936.3/40
Out: 0.000+/-0.000 χ²/NDF:1512488.3/45
All: 0.000+/-0.000 χ²/NDF: 3430973.3/86



Right In: -67.684+/-74.270 χ^2/NDF: 17.3/17

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -124.433+/-65.414 χ^2/NDF: 13.6/20

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

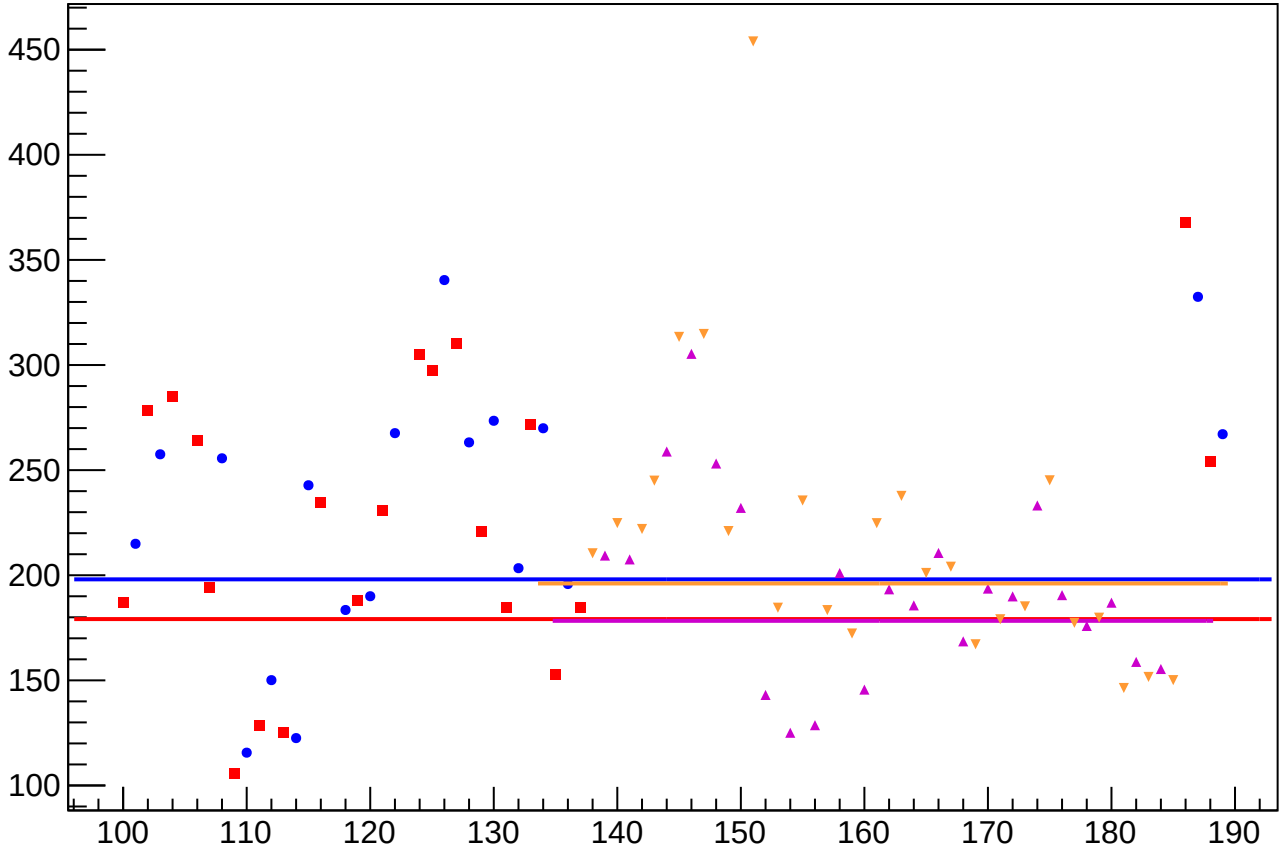
Right: -99.642+/-49.089 χ^2/NDF: 31.3/38

In: 68.592+/-37.579 χ^2/NDF:29.6/40

Out: 57.465+/-37.748 χ^2/NDF:35.6/45

All: 63.053+/-26.632 χ^2/NDF: 65.2/86

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 198.047+/-0.053 χ^2/NDF: 1186199.6/17

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 179.152+/-0.046 χ^2/NDF: 2064641.3/20

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

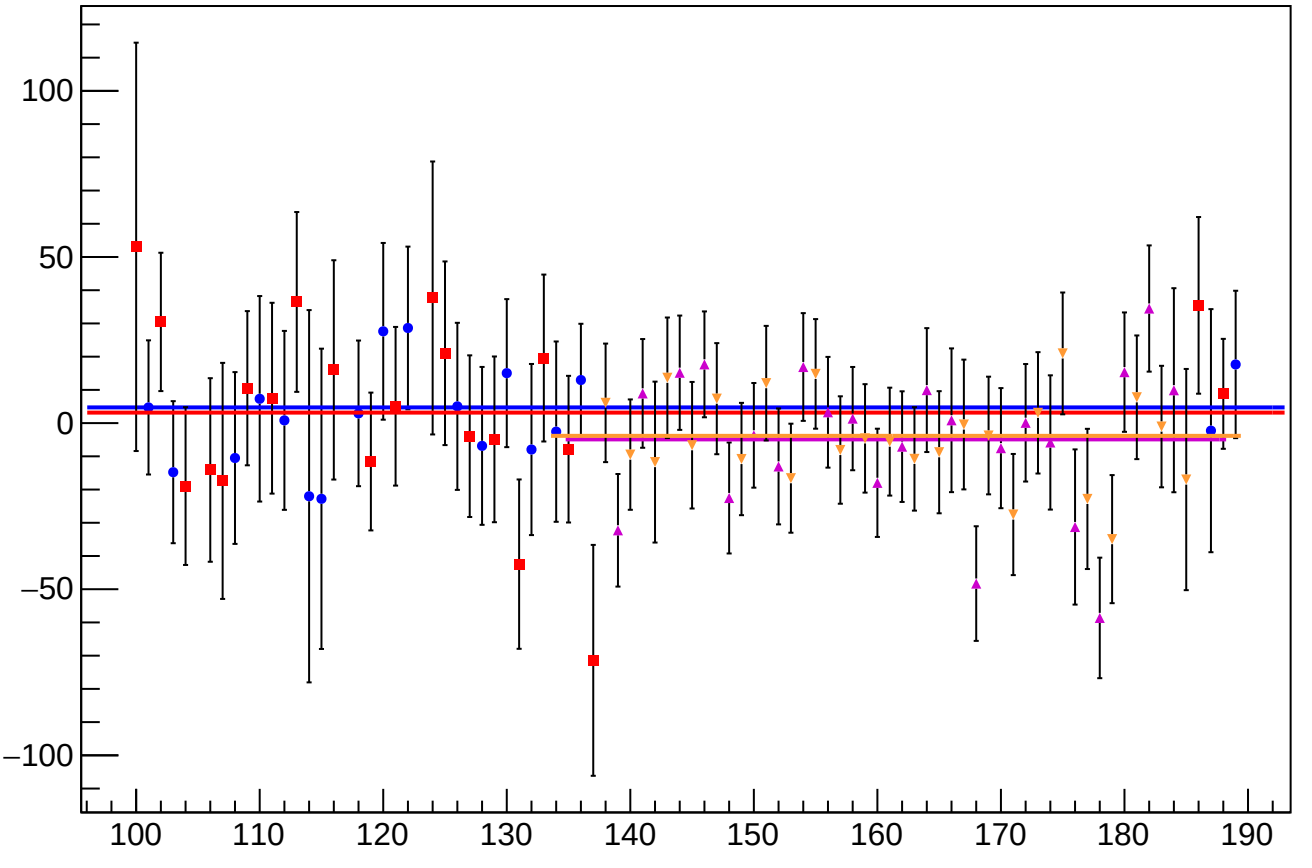
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 187.407+/-0.035 χ^2/NDF: 3323742.4/38

In: 183.369+/-0.027 χ^2/NDF:2969539.3/40

Out: 190.448+/-0.027 χ^2/NDF:3972540.1/45

All: 186.892+/-0.019 χ^2/NDF: 6977401.8/86



Right In: 4.725+/-5.869 χ^2/NDF: 4.9/17

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: 3.161+/-5.577 χ^2/NDF: 17.7/20

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

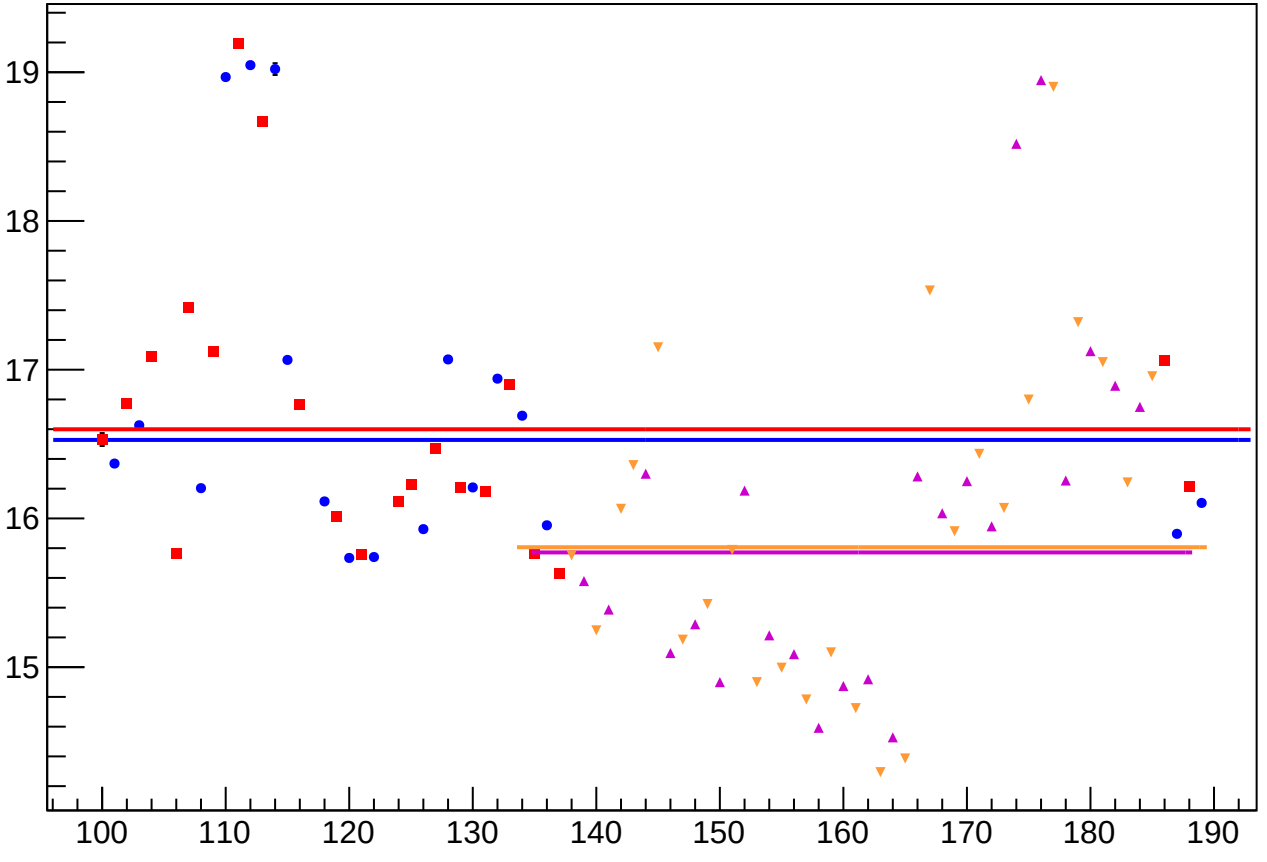
Right: 3.903+/-4.043 χ^2/NDF: 22.6/38

In: -2.170+/-3.127 χ^2/NDF:40.7/40

Out: -1.775+/-3.026 χ^2/NDF:31.6/45

All: -1.966+/-2.175 χ^2/NDF: 72.3/86

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.528+/-0.004 χ^2/NDF: 46036.1/17

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.599+/-0.004 χ^2/NDF: 45194.9/20

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

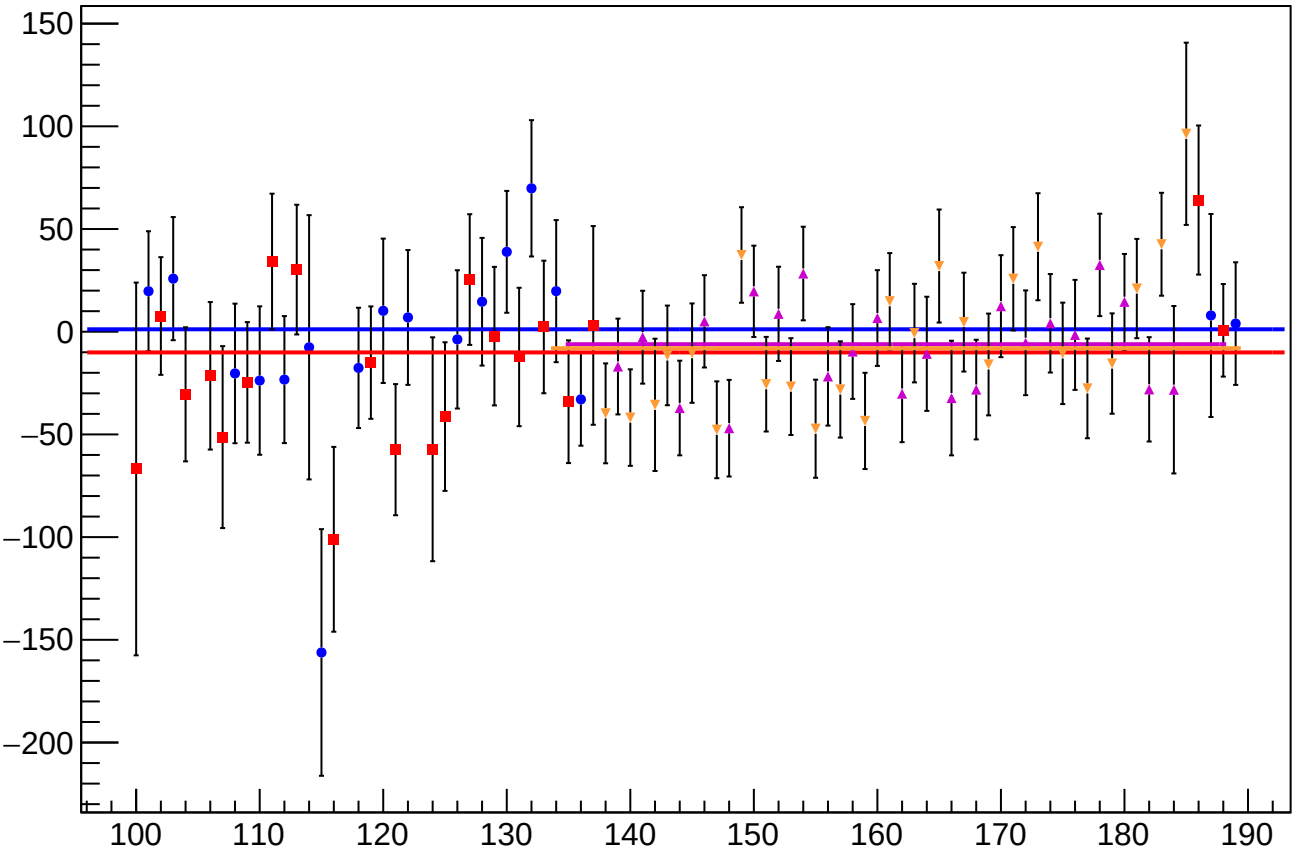
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 16.565+/-0.003 χ^2/NDF: 91387.2/38

In: 15.986+/-0.002 χ^2/NDF:221965.1/40

Out: 16.040+/-0.002 χ^2/NDF:246380.5/45

All: 16.014+/-0.002 χ^2/NDF: 468649.1/86



Right In: 1.177+/-7.742 χ^2/NDF: 18.7/17

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -10.079+/-7.345 χ^2/NDF: 20.2/20

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

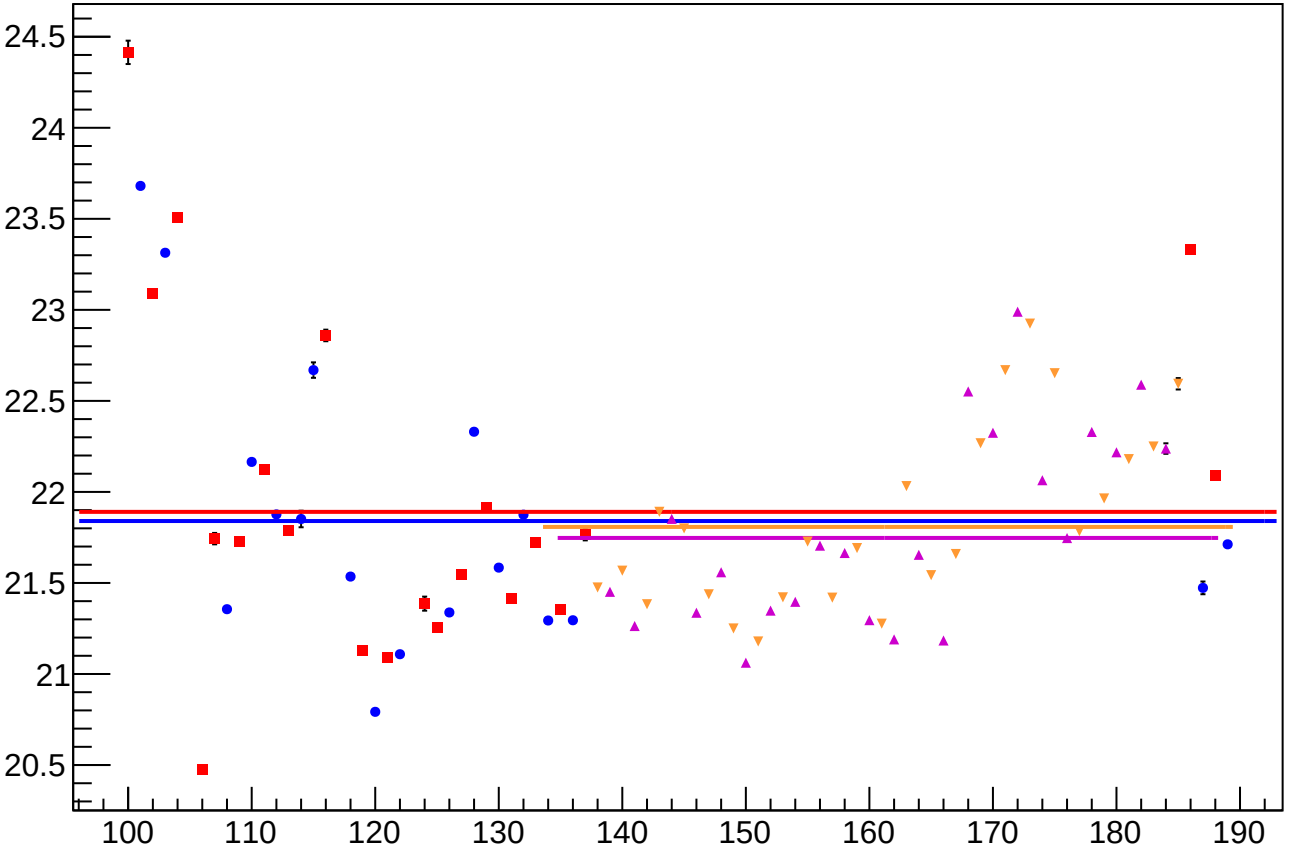
Right: -4.747+/-5.329 χ^2/NDF: 40.0/38

In: -3.900+/-4.247 χ^2/NDF:37.2/40

Out: -8.661+/-4.108 χ^2/NDF:59.1/45

All: -6.360+/-2.953 χ^2/NDF: 96.9/86

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.840+/-0.005 χ^2/NDF: 19626.7/17

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.890+/-0.005 χ^2/NDF: 22452.5/20

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

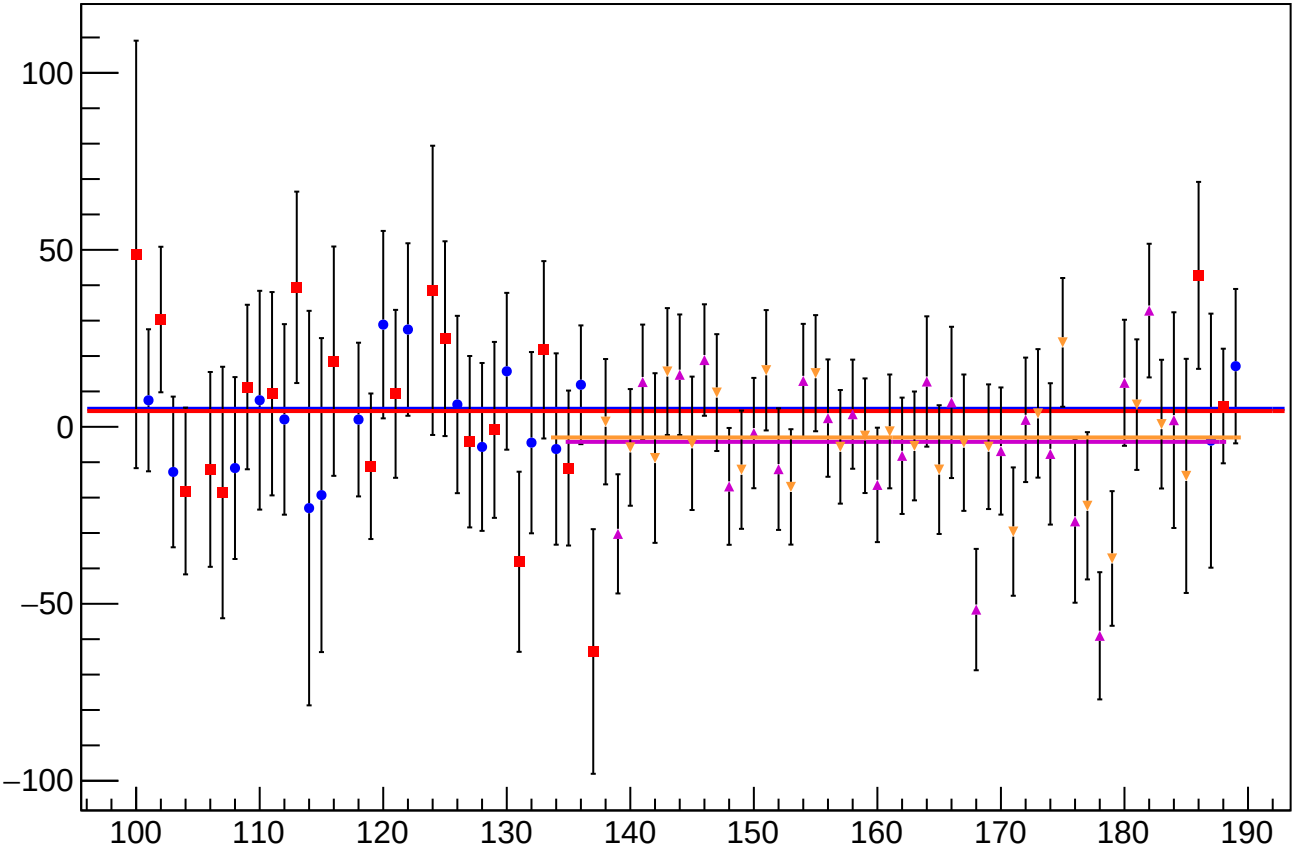
Right: 21.867+/-0.004 χ^2/NDF: 42123.7/38

In: 21.775+/-0.003 χ^2/NDF:40388.7/40

Out: 21.834+/-0.003 χ^2/NDF:40188.0/45

All: 21.805+/-0.002 χ^2/NDF: 80771.9/86

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.095+/-5.829 χ^2/NDF: 4.7/17

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: 4.449+/-5.535 χ^2/NDF: 17.6/20

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

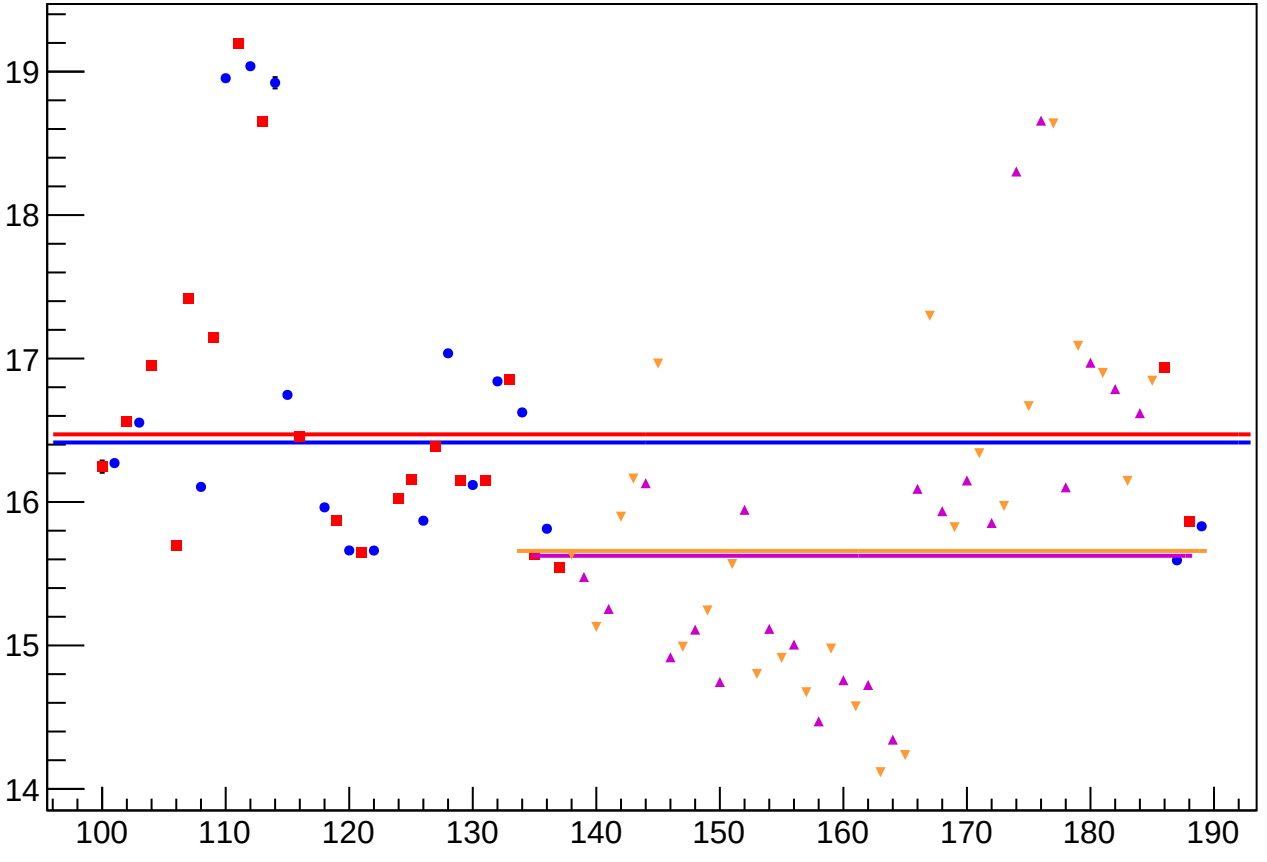
Right: 4.755+/-4.014 χ^2/NDF: 22.3/38

In: -1.606+/-3.100 χ^2/NDF:40.3/40

Out: -0.814+/-2.999 χ^2/NDF:33.6/45

All: -1.197+/-2.156 χ^2/NDF: 73.9/86

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.415+/-0.004 χ^2/NDF: 49930.5/17

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.471+/-0.004 χ^2/NDF: 50098.7/20

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

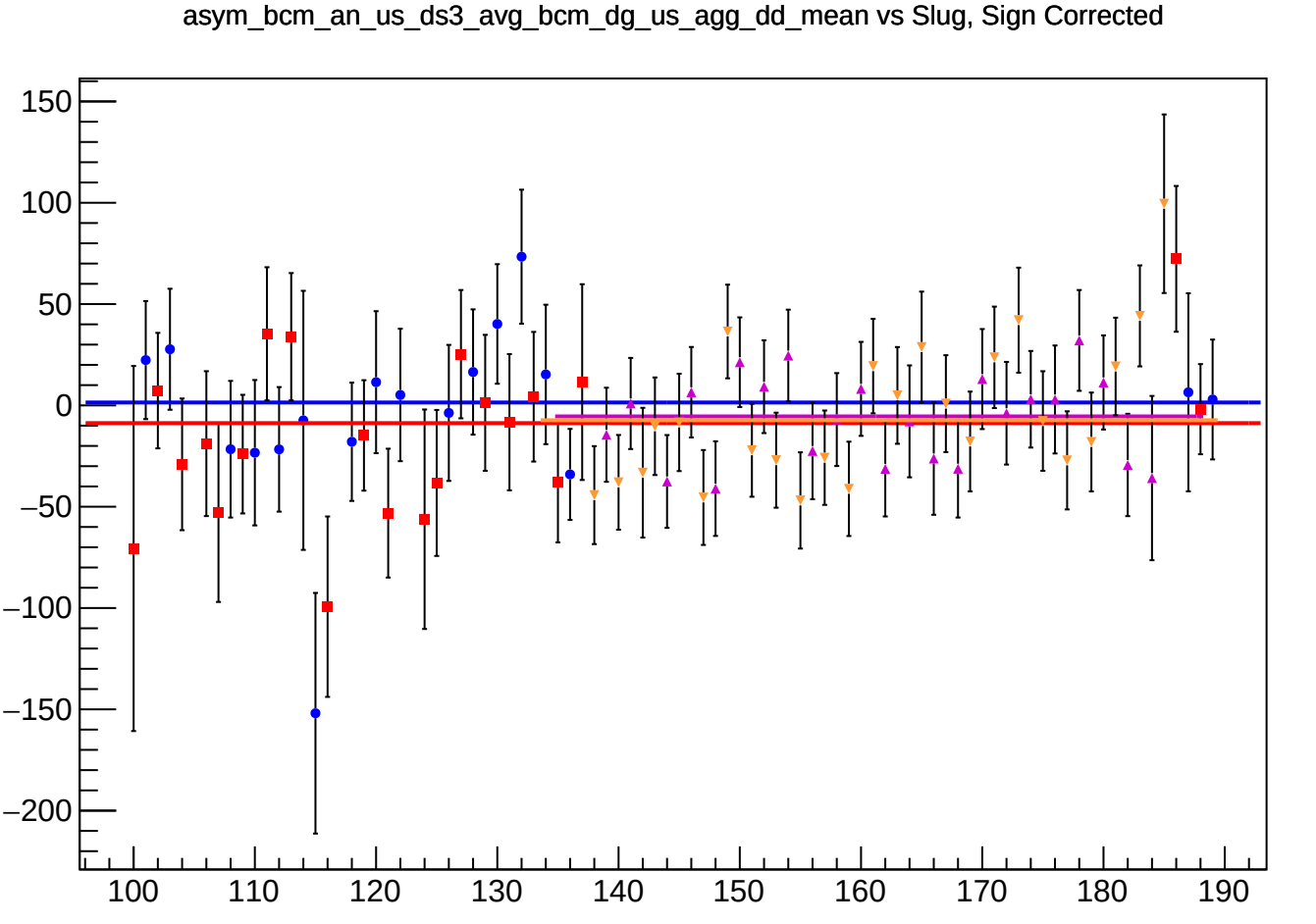
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 16.445+/-0.003 χ^2/NDF: 100128.1/38

In: 15.848+/-0.002 χ^2/NDF:226693.6/40

Out: 15.897+/-0.002 χ^2/NDF:250373.0/45

All: 15.874+/-0.002 χ^2/NDF: 477325.4/86



Right In: 1.433+/-7.704 χ^2/NDF: 19.4/17

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -8.751+/-7.302 χ^2/NDF: 21.5/20

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

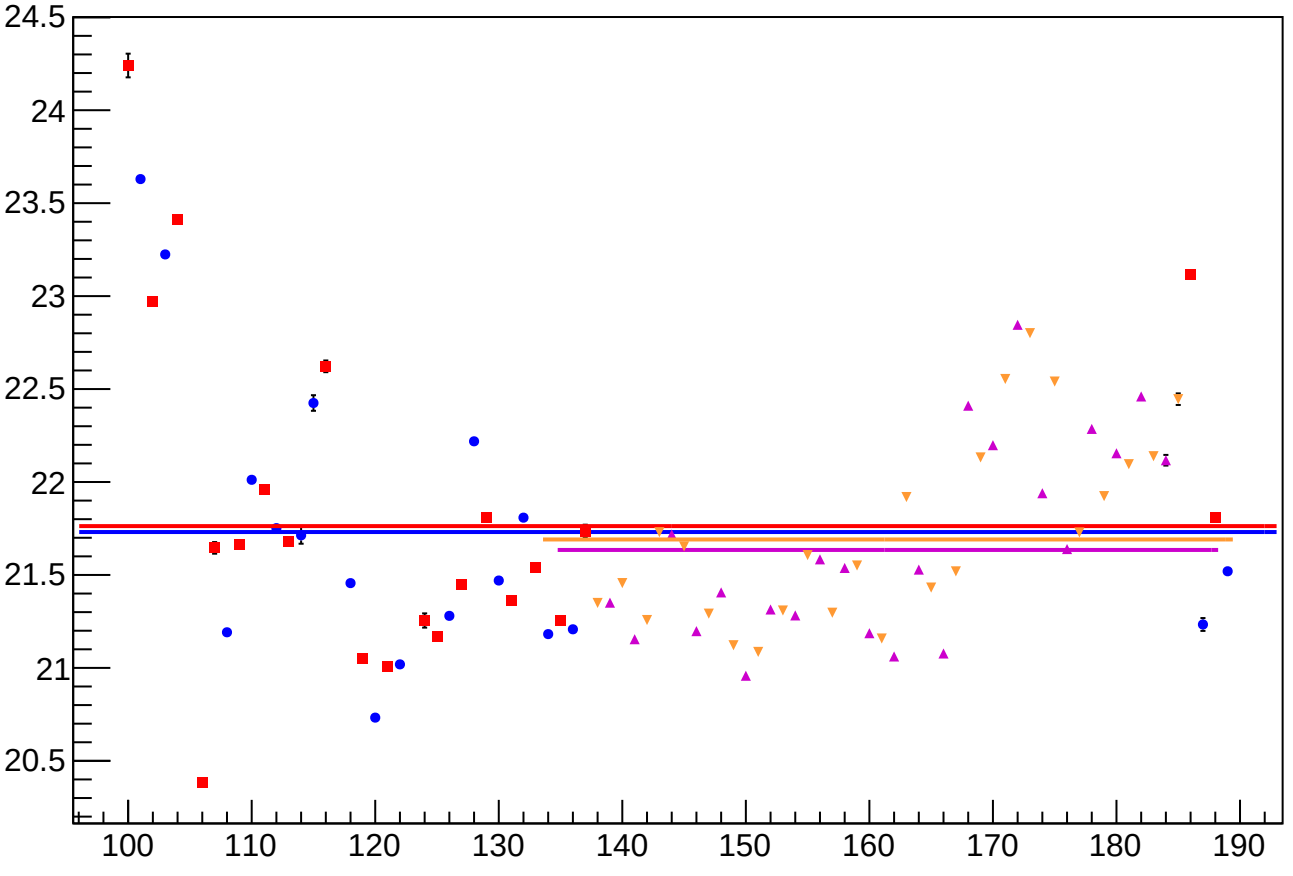
Right: -3.932+/-5.300 χ^2/NDF: 41.8/38

In: -3.369+/-4.226 χ^2/NDF:37.2/40

Out: -7.766+/-4.086 χ^2/NDF:60.1/45

All: -5.642+/-2.937 χ^2/NDF: 97.9/86

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.731+/-0.005 χ^2/NDF: 20081.0/17

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.763+/-0.005 χ^2/NDF: 21331.3/20

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

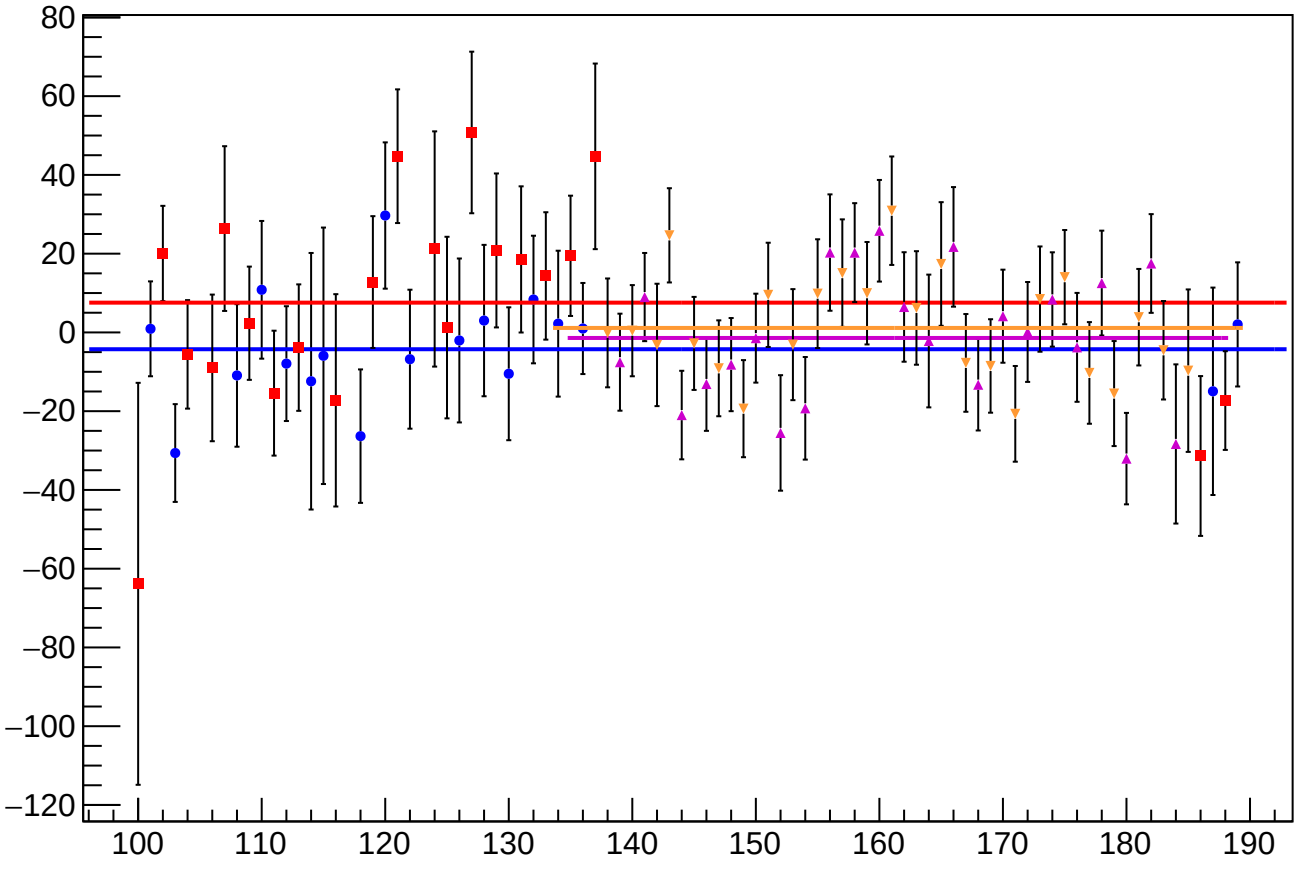
Right: 21.748+/-0.004 χ^2/NDF: 41430.4/38

In: 21.664+/-0.003 χ^2/NDF:40861.2/40

Out: 21.713+/-0.003 χ^2/NDF:39399.4/45

All: 21.689+/-0.002 χ^2/NDF: 80404.6/86

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.270+/-3.951 χ^2/NDF: 12.3/17

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 7.561+/-3.825 χ^2/NDF: 30.4/20

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

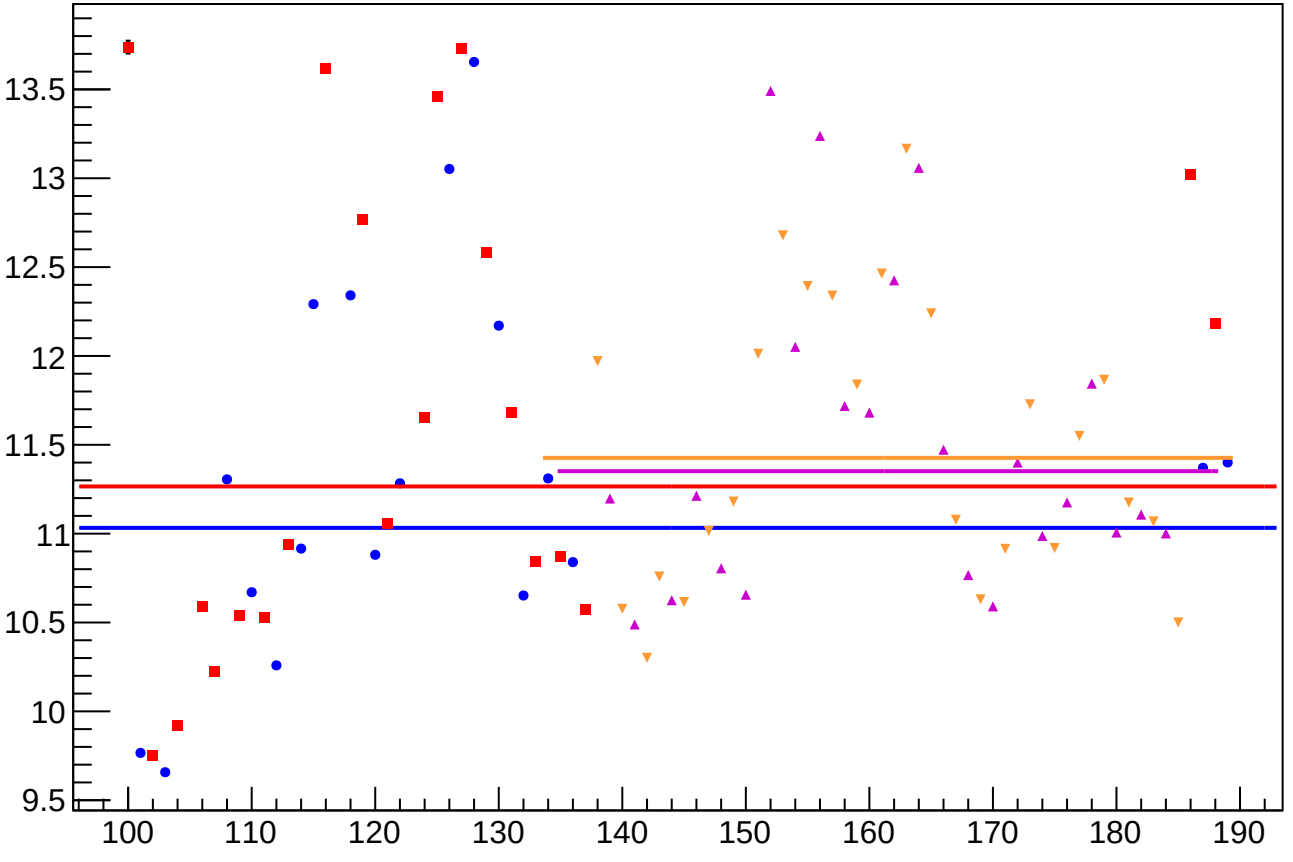
Right: 1.837+/-2.748 χ^2/NDF: 47.4/38

In: -2.306+/-2.214 χ^2/NDF:49.0/40

Out: 3.189+/-2.161 χ^2/NDF:56.9/45

All: 0.508+/-1.547 χ^2/NDF: 109.0/86

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.033+/-0.003 χ^2/NDF: 137710.8/17

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.266+/-0.003 χ^2/NDF: 192043.7/20

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

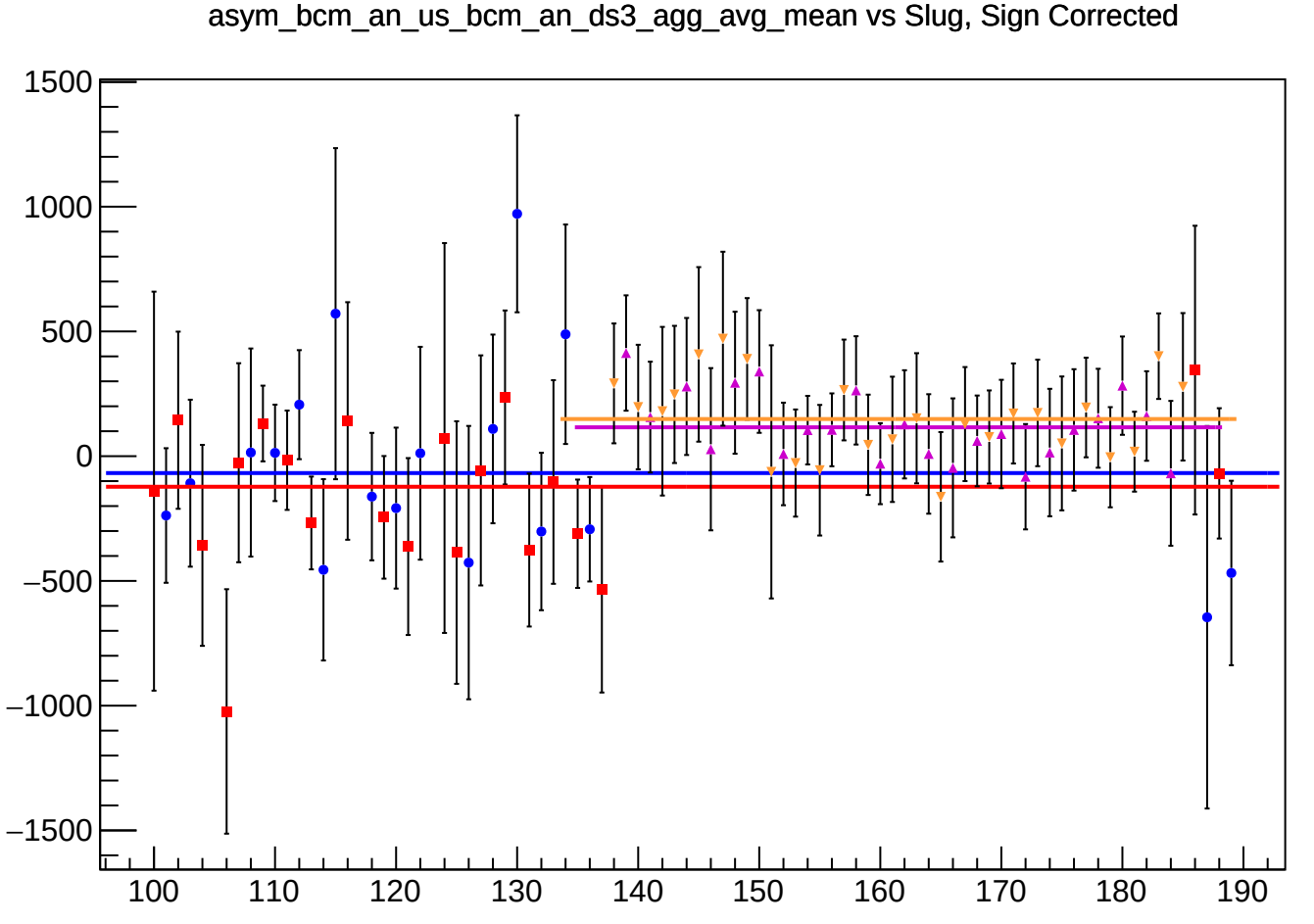
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.153+/-0.002 χ^2/NDF: 333346.3/38

In: 11.251+/-0.002 χ^2/NDF:317222.7/40

Out: 11.375+/-0.002 χ^2/NDF:351424.3/45

All: 11.315+/-0.001 χ^2/NDF: 671840.7/86



Right In: -67.666+/-74.487 χ^2/NDF: 17.3/17

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -122.563+/-65.625 χ^2/NDF: 13.6/20

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

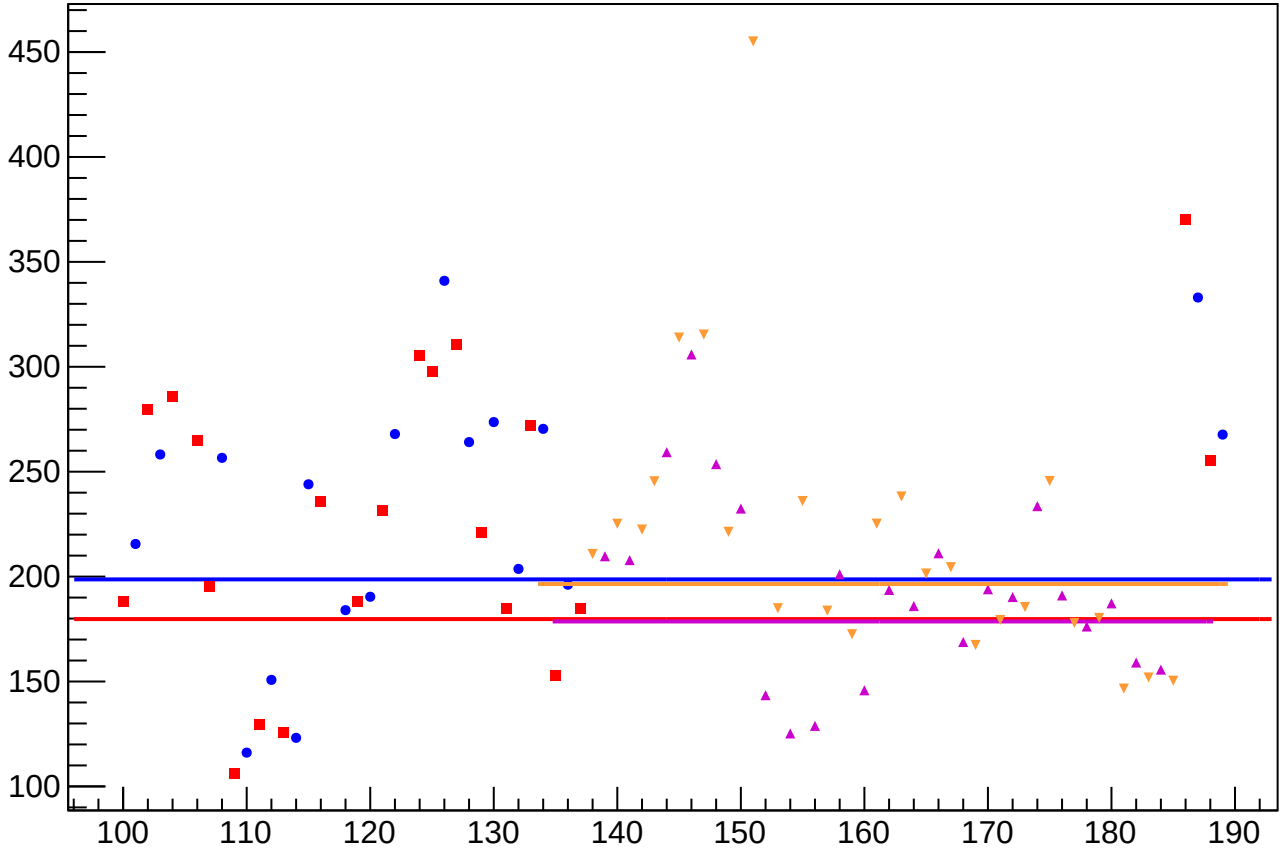
Right: -98.573+/-49.240 χ^2/NDF: 31.1/38

In: 68.848+/-37.654 χ^2/NDF:29.6/40

Out: 58.669+/-37.836 χ^2/NDF:35.5/45

All: 63.783+/-26.689 χ^2/NDF: 65.1/86

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 198.670+/-0.053 χ^2/NDF: 1179442.0/17

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.755+/-0.046 χ^2/NDF: 2060807.7/20

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

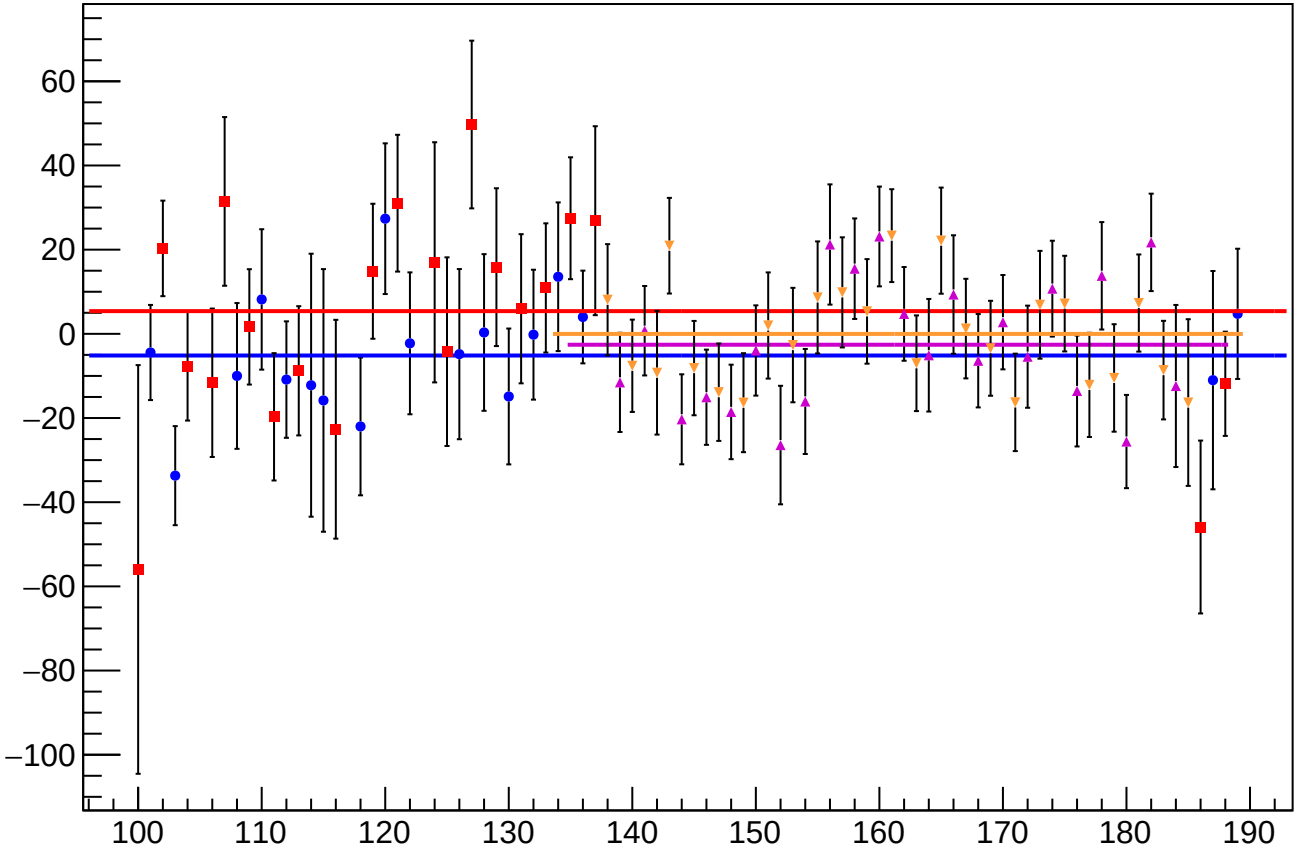
Right: 188.021+/-0.035 χ^2/NDF: 3312862.7/38

In: 183.739+/-0.027 χ^2/NDF:2966250.2/40

Out: 190.903+/-0.027 χ^2/NDF:3966014.5/45

All: 187.304+/-0.019 χ^2/NDF: 6968290.5/86

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.150+/-3.777 χ^2/NDF: 14.2/17

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 5.396+/-3.661 χ^2/NDF: 31.8/20

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

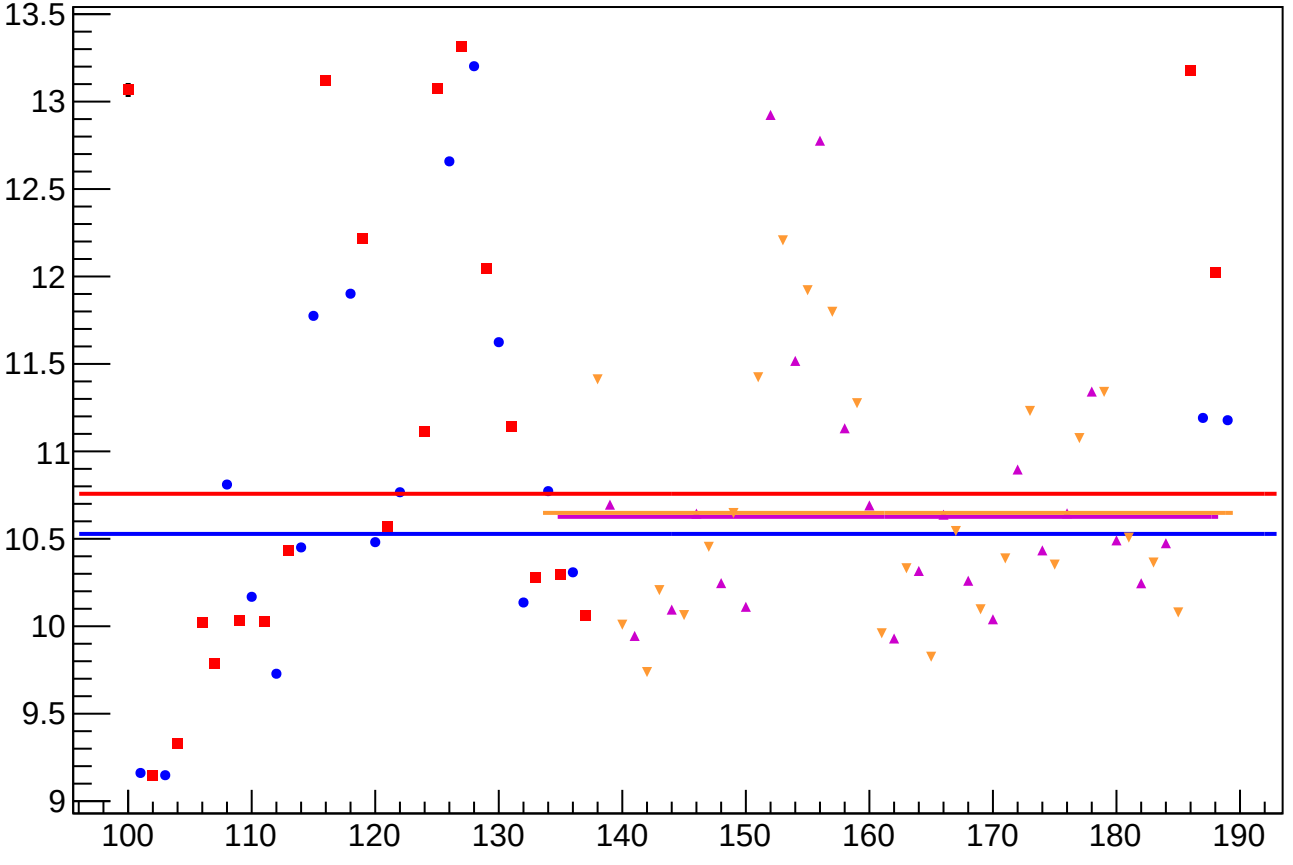
Right: 0.287+/-2.629 χ^2/NDF: 50.0/38

In: -3.373+/-2.088 χ^2/NDF:49.2/40

Out: 1.652+/-2.033 χ^2/NDF:57.1/45

All: -0.794+/-1.457 χ^2/NDF: 109.3/86

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.528+/-0.003 χ^2/NDF: 162631.3/17

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.757+/-0.003 χ^2/NDF: 241472.0/20

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

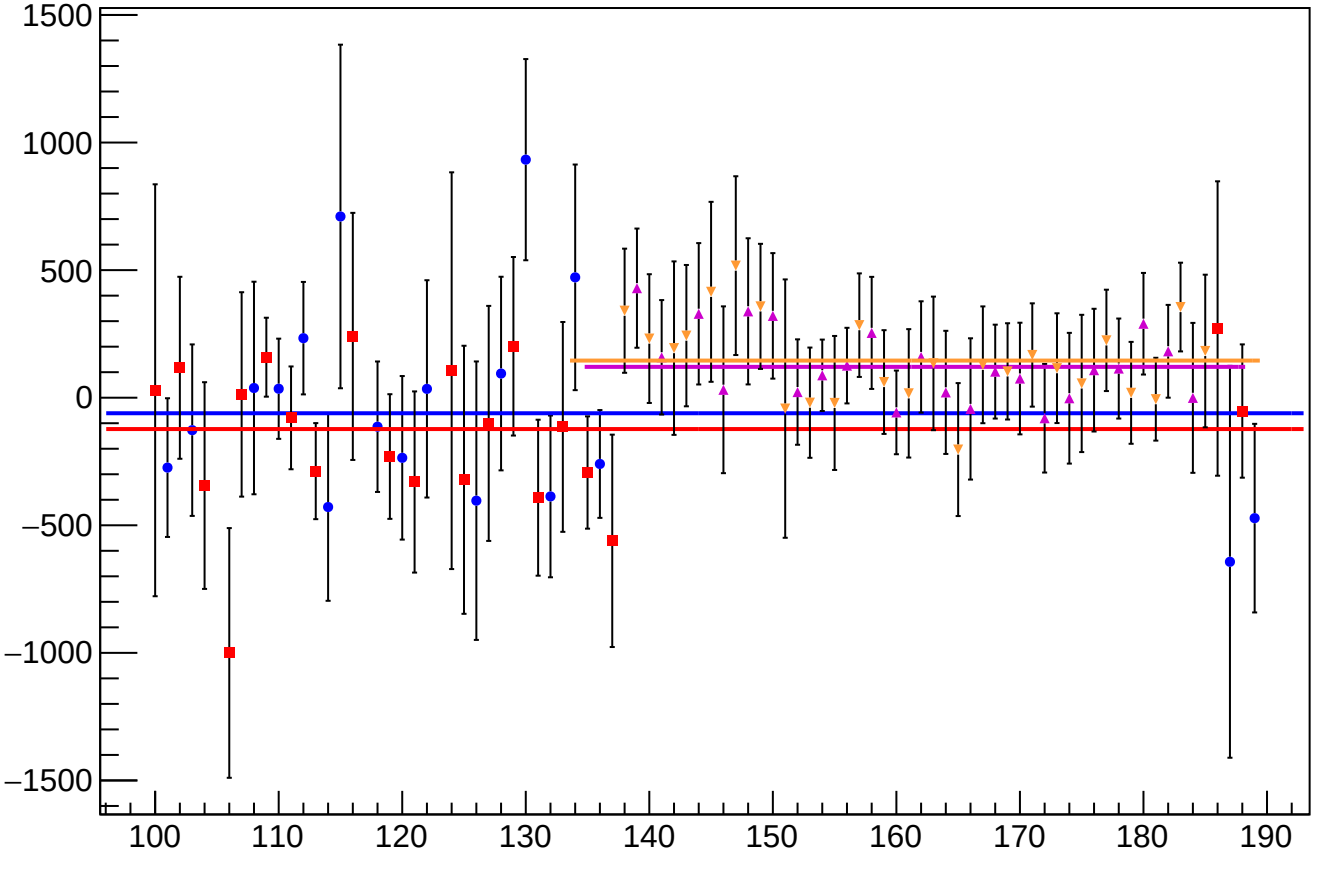
Right: 10.646+/-0.002 χ^2/NDF: 407908.2/38

In: 10.596+/-0.001 χ^2/NDF:323102.2/40

Out: 10.682+/-0.001 χ^2/NDF:386238.9/45

All: 10.640+/-0.001 χ^2/NDF: 711087.1/86

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -60.890+/-74.942 χ^2/NDF: 17.6/17

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -122.857+/-66.169 χ^2/NDF: 13.5/20

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

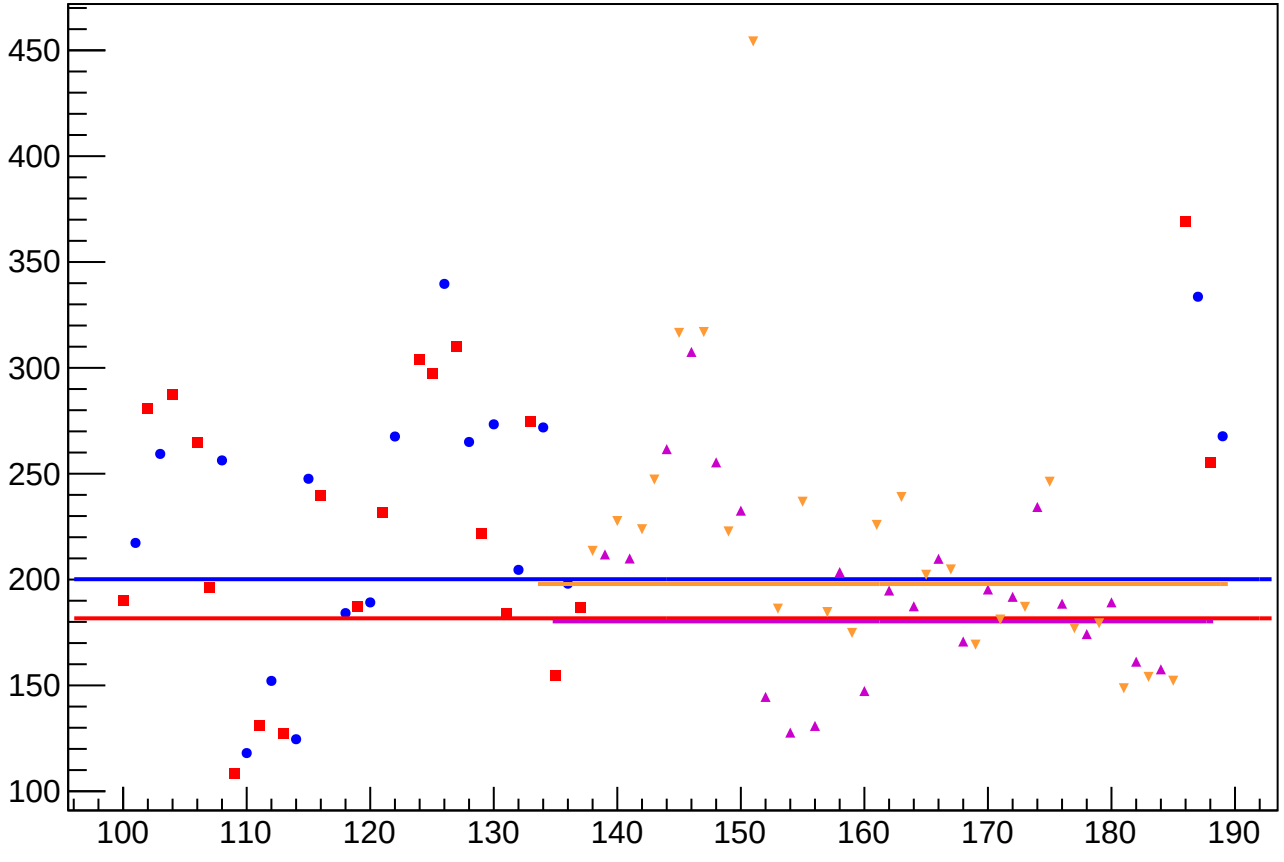
Right: -95.711+/-49.602 χ^2/NDF: 31.4/38

In: 74.299+/-37.940 χ^2/NDF:30.2/40

Out: 56.525+/-38.107 χ^2/NDF:34.7/45

All: 65.451+/-26.886 χ^2/NDF: 65.0/86

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 200.163+/-0.053 χ^2/NDF: 1144306.6/17

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 181.687+/-0.047 χ^2/NDF: 1994430.0/20

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

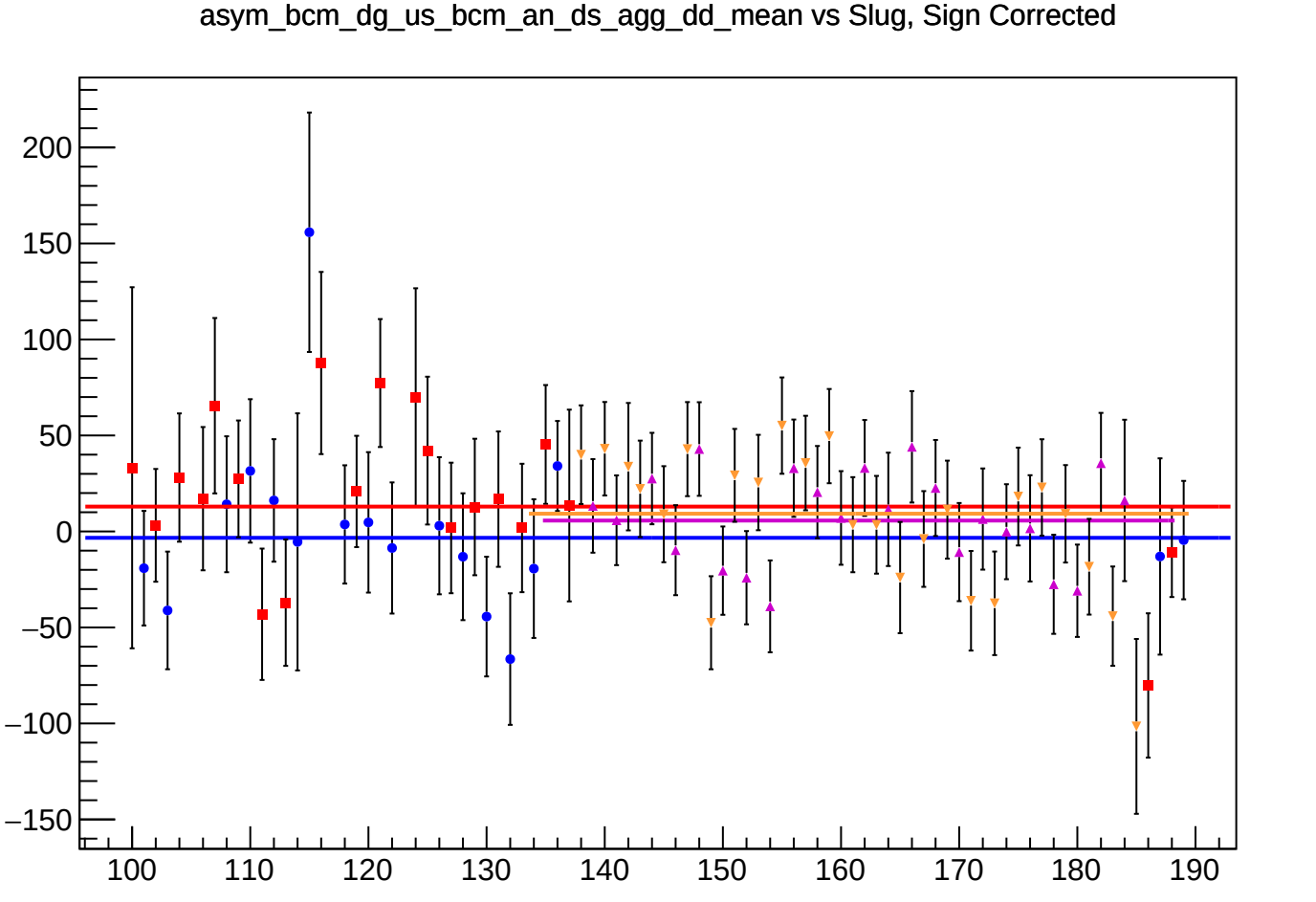
Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

Right: 189.780+/-0.035 χ^2/NDF: 3207048.3/38

In: 185.352+/-0.027 χ^2/NDF:2877120.6/40

Out: 192.516+/-0.027 χ^2/NDF:3863436.0/45

All: 188.918+/-0.019 χ^2/NDF: 6776054.7/86



Right In: -3.323+/-8.051 χ^2/NDF: 18.0/17

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 12.941+/-7.652 χ^2/NDF: 23.3/20

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

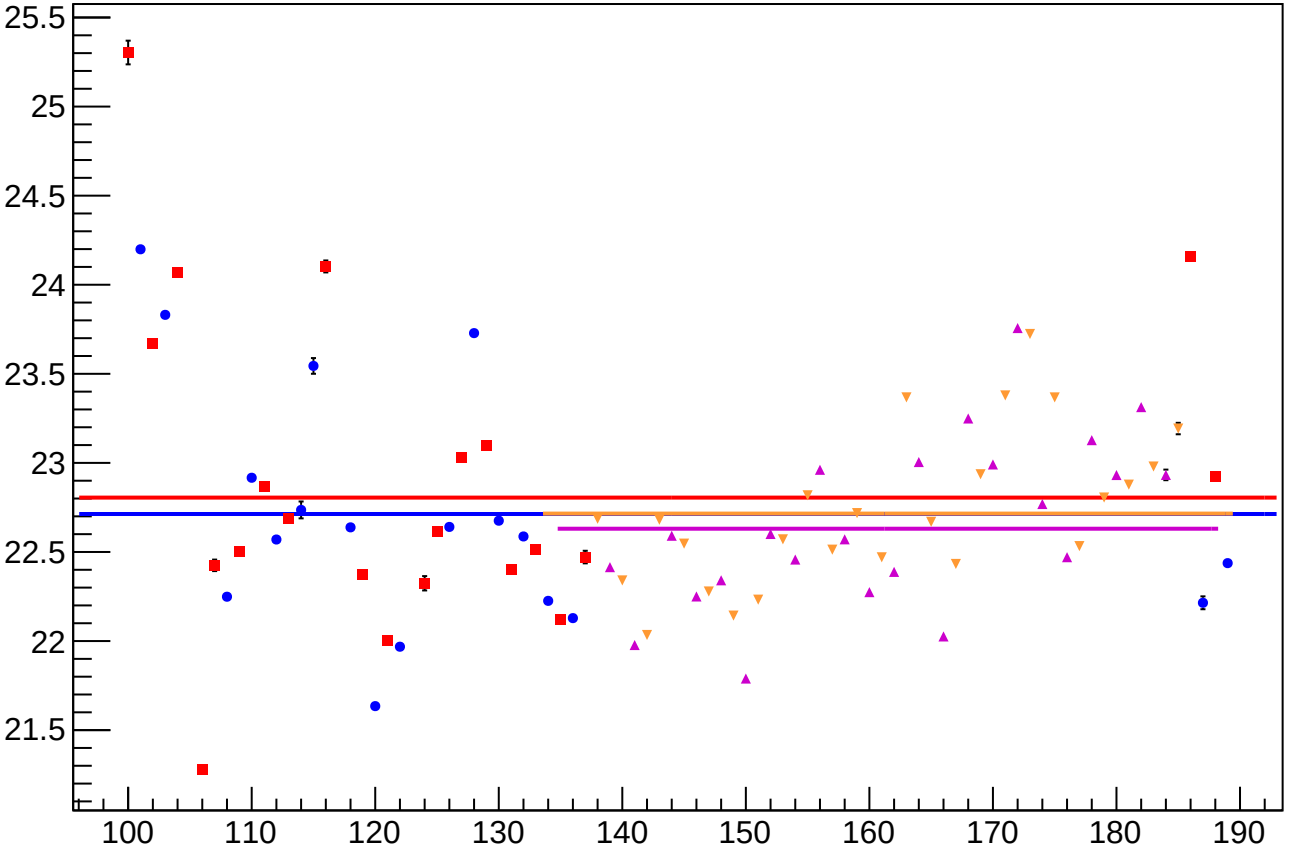
Right: 5.223+/-5.547 χ^2/NDF: 43.4/38

In: 2.960+/-4.419 χ^2/NDF:39.6/40

Out: 10.394+/-4.280 χ^2/NDF:62.9/45

All: 6.796+/-3.074 χ^2/NDF: 104.0/86

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.713+/-0.006 χ^2/NDF: 15005.8/17

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.805+/-0.005 χ^2/NDF: 17331.0/20

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

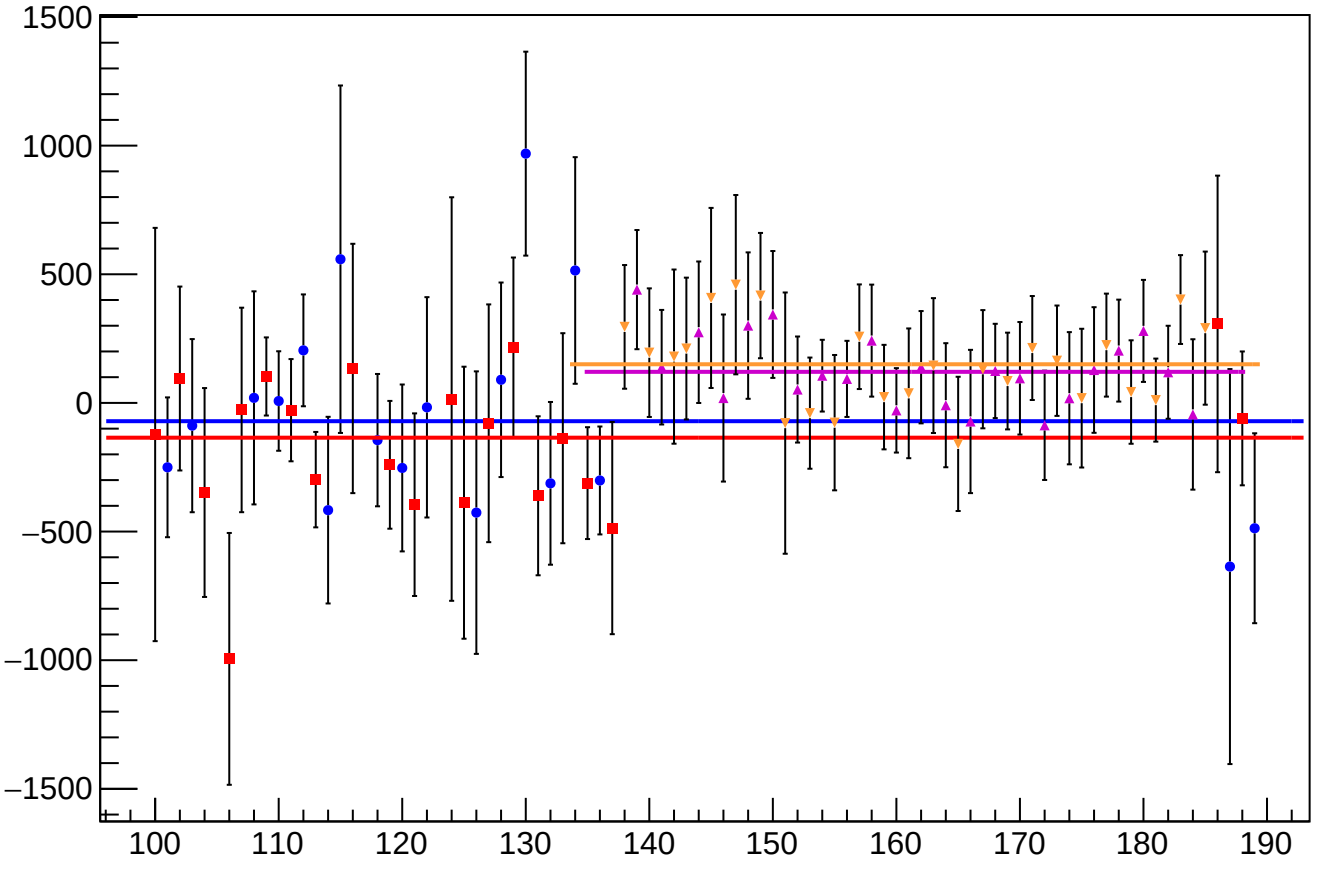
Right: 22.762+/-0.004 χ^2/NDF: 32474.3/38

In: 22.655+/-0.003 χ^2/NDF:30544.2/40

Out: 22.744+/-0.003 χ^2/NDF:29701.6/45

All: 22.701+/-0.002 χ^2/NDF: 60656.1/86

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -71.053+/-74.619 χ^2/NDF: 17.3/17

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -135.158+/-65.718 χ^2/NDF: 12.3/20

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

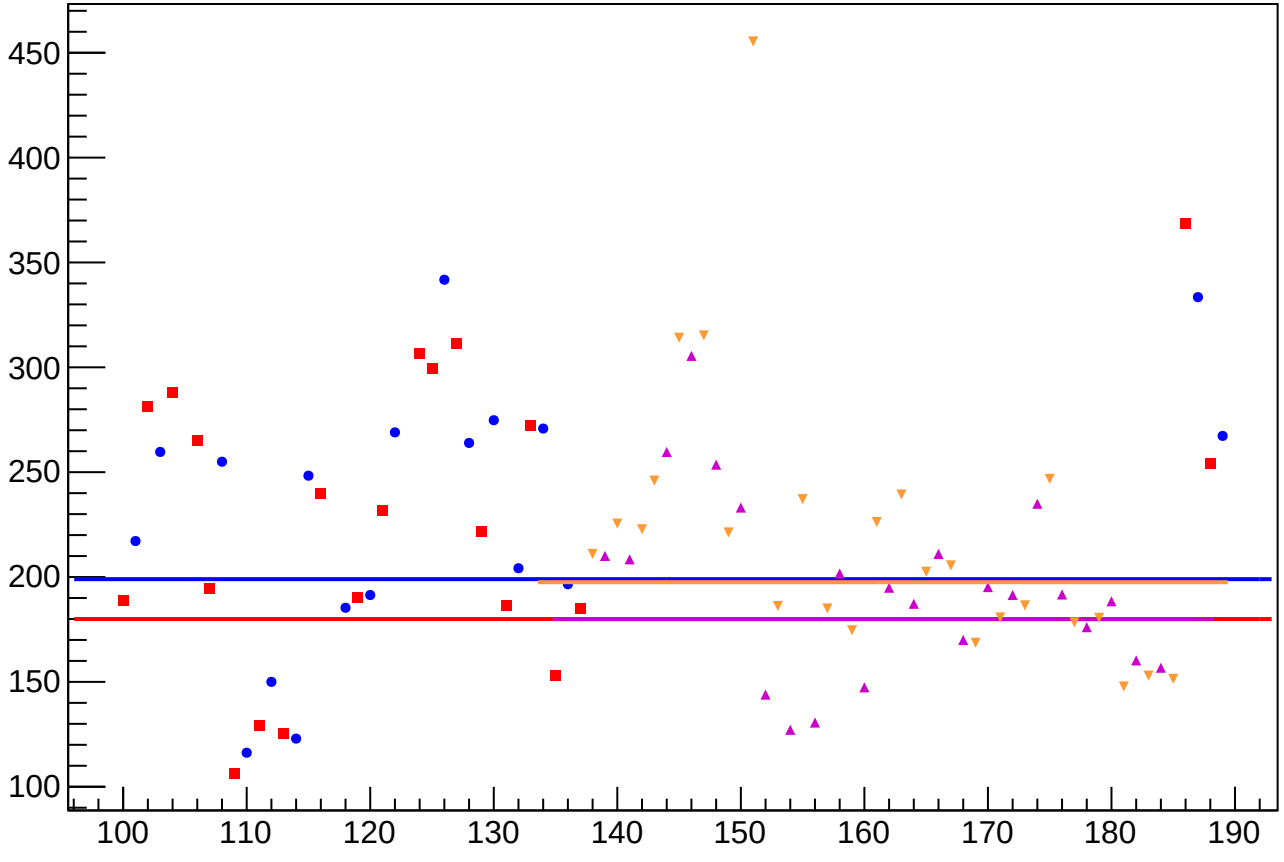
Right: -107.156+/-49.318 χ^2/NDF: 30.0/38

In: 71.407+/-37.850 χ^2/NDF:30.1/40

Out: 54.914+/-37.978 χ^2/NDF:35.8/45

All: 63.188+/-26.809 χ^2/NDF: 66.0/86

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 198.986+/-0.053 χ^2/NDF: 1188435.4/17

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 179.971+/-0.046 χ^2/NDF: 2073970.6/20

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

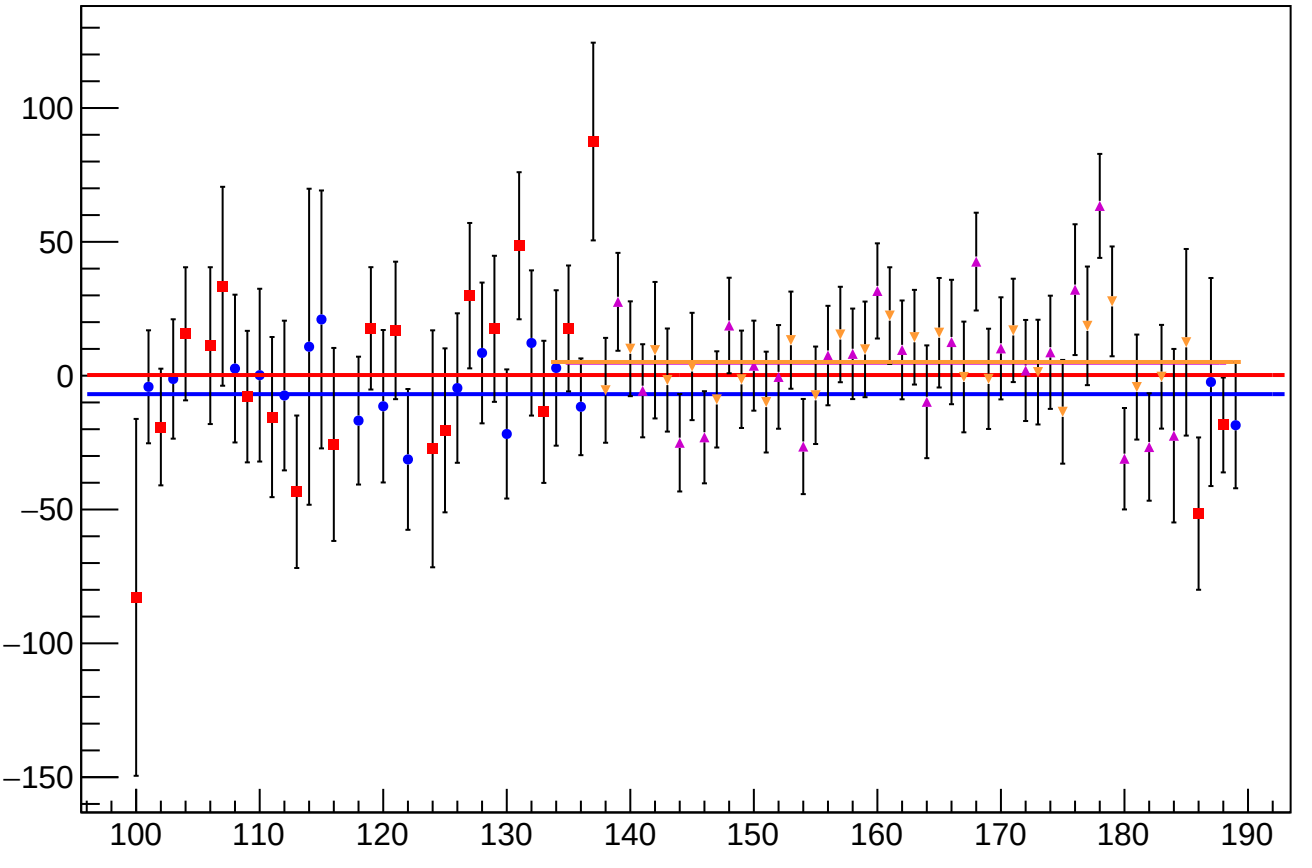
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 188.278+/-0.035 χ^2/NDF: 3335546.7/38

In: 184.828+/-0.027 χ^2/NDF:2909524.0/40

Out: 191.669+/-0.027 χ^2/NDF:3958997.4/45

All: 188.237+/-0.019 χ^2/NDF: 6901074.4/86



Right In: -6.898+/-6.265 χ^2/NDF: 3.4/17

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 0.244+/-5.974 χ^2/NDF: 24.3/20

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

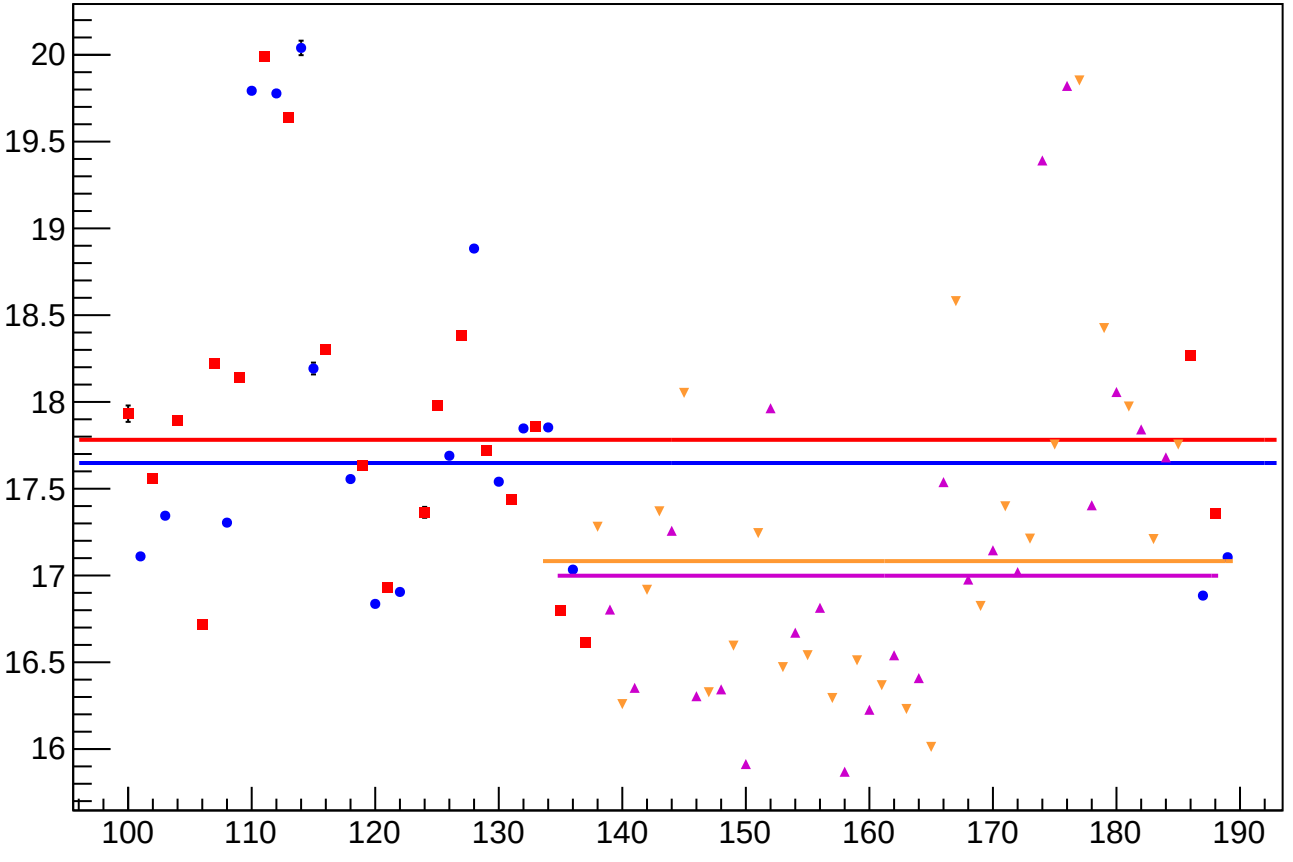
Right: -3.157+/-4.324 χ^2/NDF: 28.3/38

In: 1.478+/-3.360 χ^2/NDF:41.4/40

Out: 3.667+/-3.260 χ^2/NDF:32.6/45

All: 2.606+/-2.340 χ^2/NDF: 74.3/86

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.648+/-0.004 χ^2/NDF: 38009.9/17

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.782+/-0.004 χ^2/NDF: 34487.3/20

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

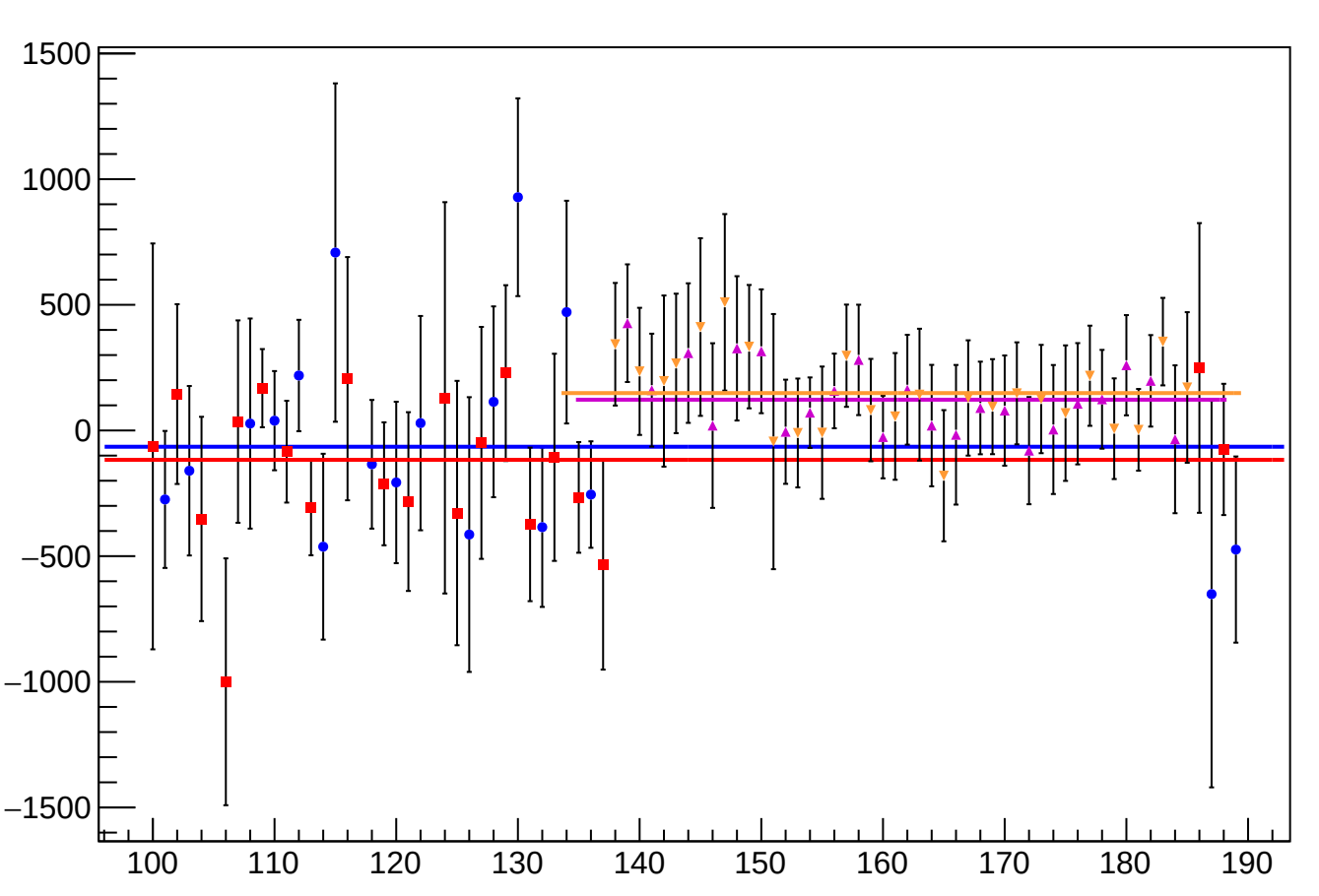
Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

Right: 17.718+/-0.003 χ^2/NDF: 72973.4/38

In: 17.185+/-0.002 χ^2/NDF:157340.6/40

Out: 17.291+/-0.002 χ^2/NDF:150483.6/45

All: 17.240+/-0.002 χ^2/NDF: 308840.9/86



Right In: -64.760+/-75.157 χ^2/NDF: 17.5/17

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -116.728+/-66.364 χ^2/NDF: 13.3/20

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

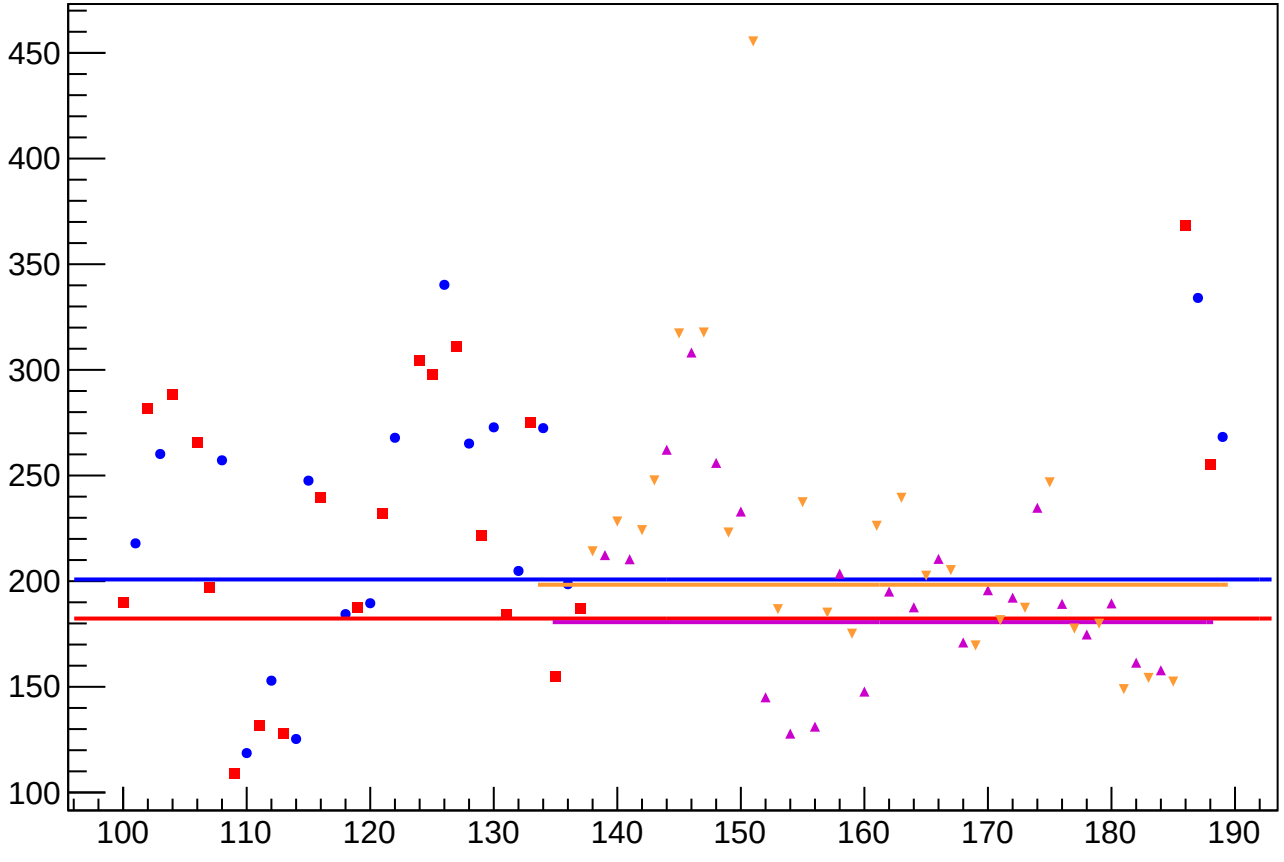
Right: -93.961+/-49.746 χ^2/NDF: 31.1/38

In: 74.477+/-38.023 χ^2/NDF:30.0/40

Out: 60.798+/-38.199 χ^2/NDF:33.6/45

All: 67.669+/-26.949 χ^2/NDF: 63.6/86

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 200.809+/-0.053 χ^2/NDF: 1133263.1/17

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 182.318+/-0.047 χ^2/NDF: 1978399.6/20

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

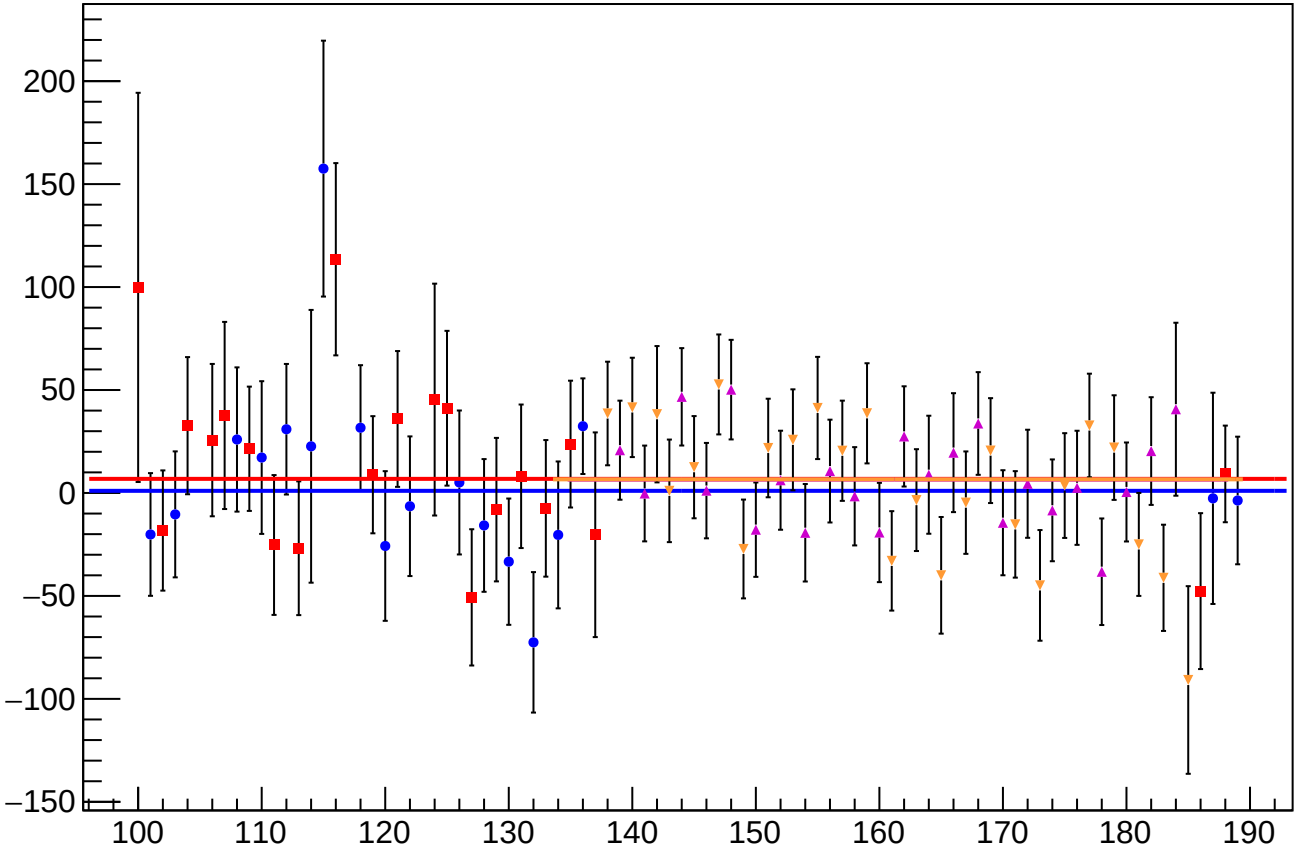
Right: 190.419+/-0.035 χ^2/NDF: 3179688.5/38

In: 185.774+/-0.027 χ^2/NDF:2868910.9/40

Out: 193.014+/-0.027 χ^2/NDF:3846372.2/45

All: 189.377+/-0.019 χ^2/NDF: 6751371.3/86

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.036+/-7.982 χ^2/NDF: 18.7/17

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 6.850+/-7.582 χ^2/NDF: 18.6/20

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

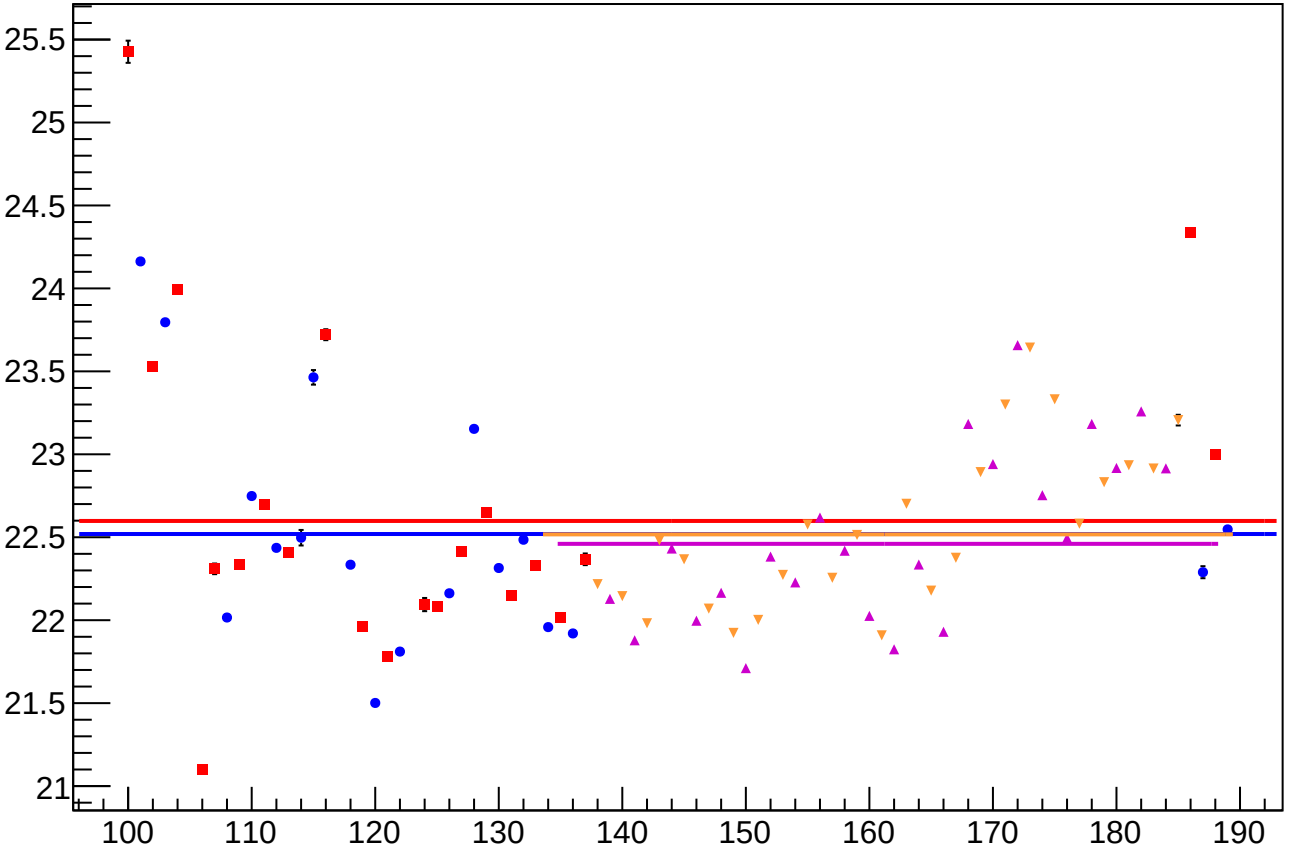
Right: 4.092+/-5.497 χ^2/NDF: 37.6/38

In: 4.839+/-4.384 χ^2/NDF:36.5/40

Out: 6.686+/-4.242 χ^2/NDF:55.5/45

All: 5.793+/-3.048 χ^2/NDF: 92.1/86

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.519+/-0.006 χ^2/NDF: 15990.2/17

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.598+/-0.005 χ^2/NDF: 20943.0/20

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

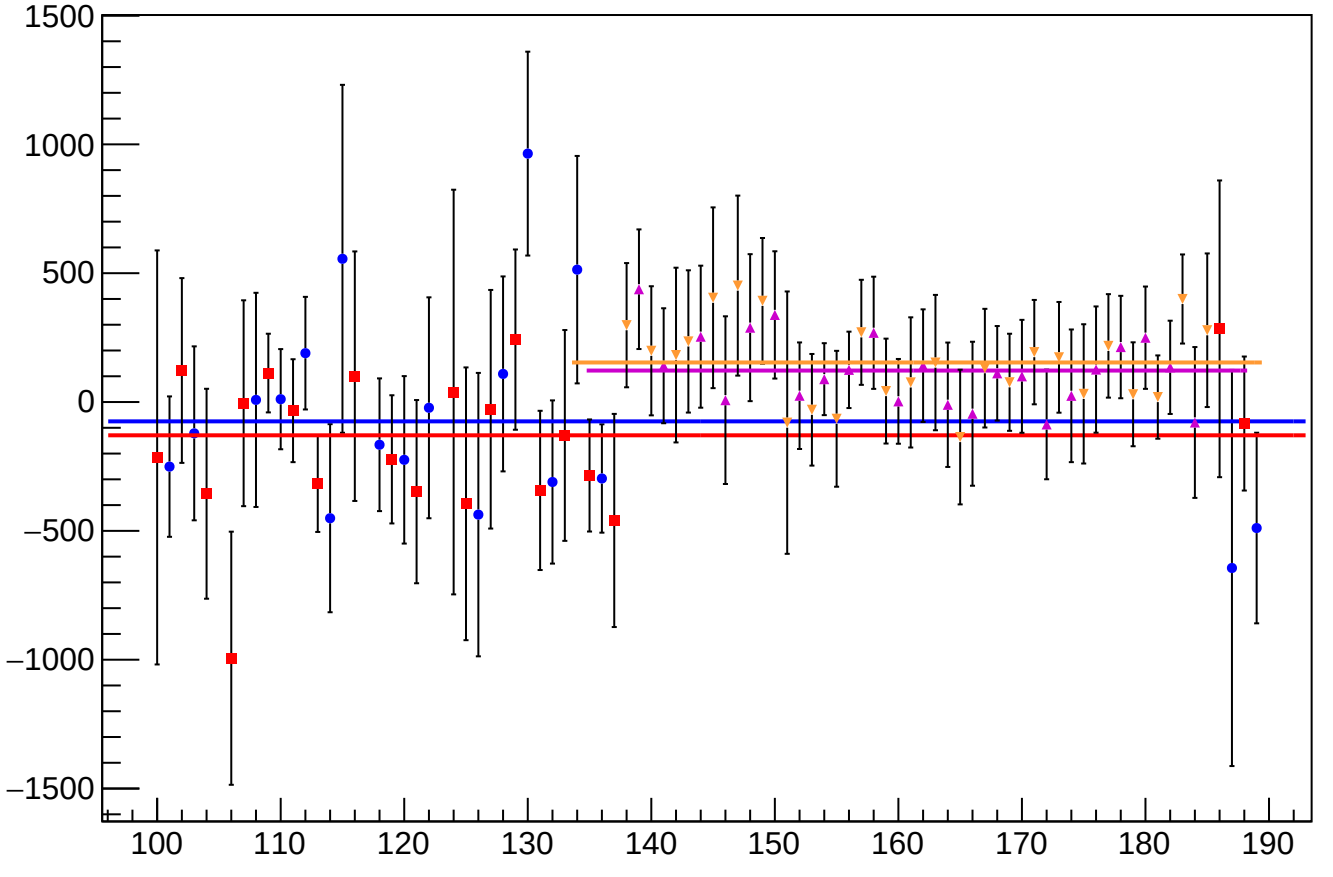
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.561+/-0.004 χ^2/NDF: 37035.4/38

In: 22.478+/-0.003 χ^2/NDF:35184.3/40

Out: 22.543+/-0.003 χ^2/NDF:37101.5/45

All: 22.511+/-0.002 χ^2/NDF: 72510.1/86



Right In: -75.018+/-74.837 χ^2/NDF: 17.2/17

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -129.132+/-65.917 χ^2/NDF: 12.2/20

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

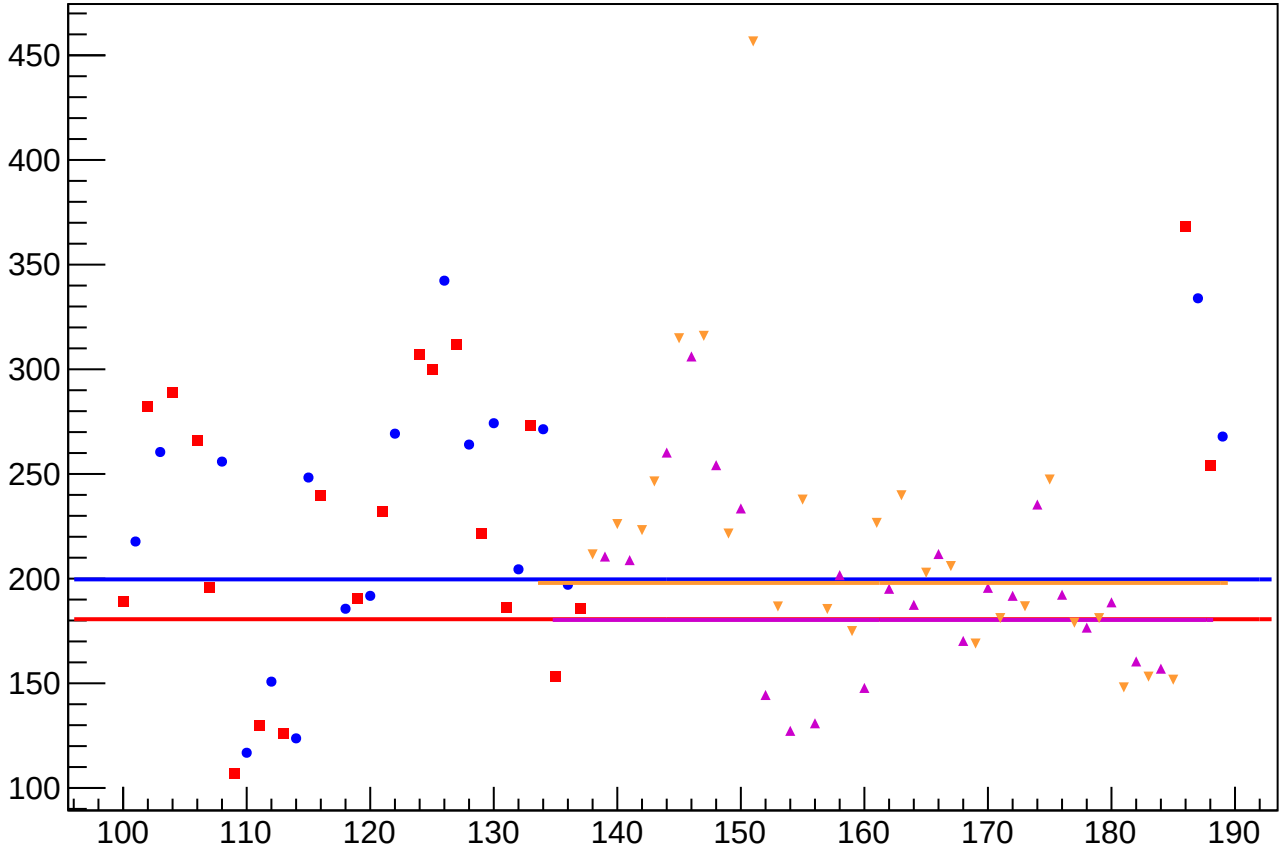
Right: -105.491+/-49.465 χ^2/NDF: 29.7/38

In: 71.502+/-37.934 χ^2/NDF:29.9/40

Out: 59.225+/-38.071 χ^2/NDF:34.5/45

All: 65.386+/-26.872 χ^2/NDF: 64.4/86

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 199.643+/-0.053 χ^2/NDF: 1176738.0/17

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 180.615+/-0.047 χ^2/NDF: 2057040.7/20

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

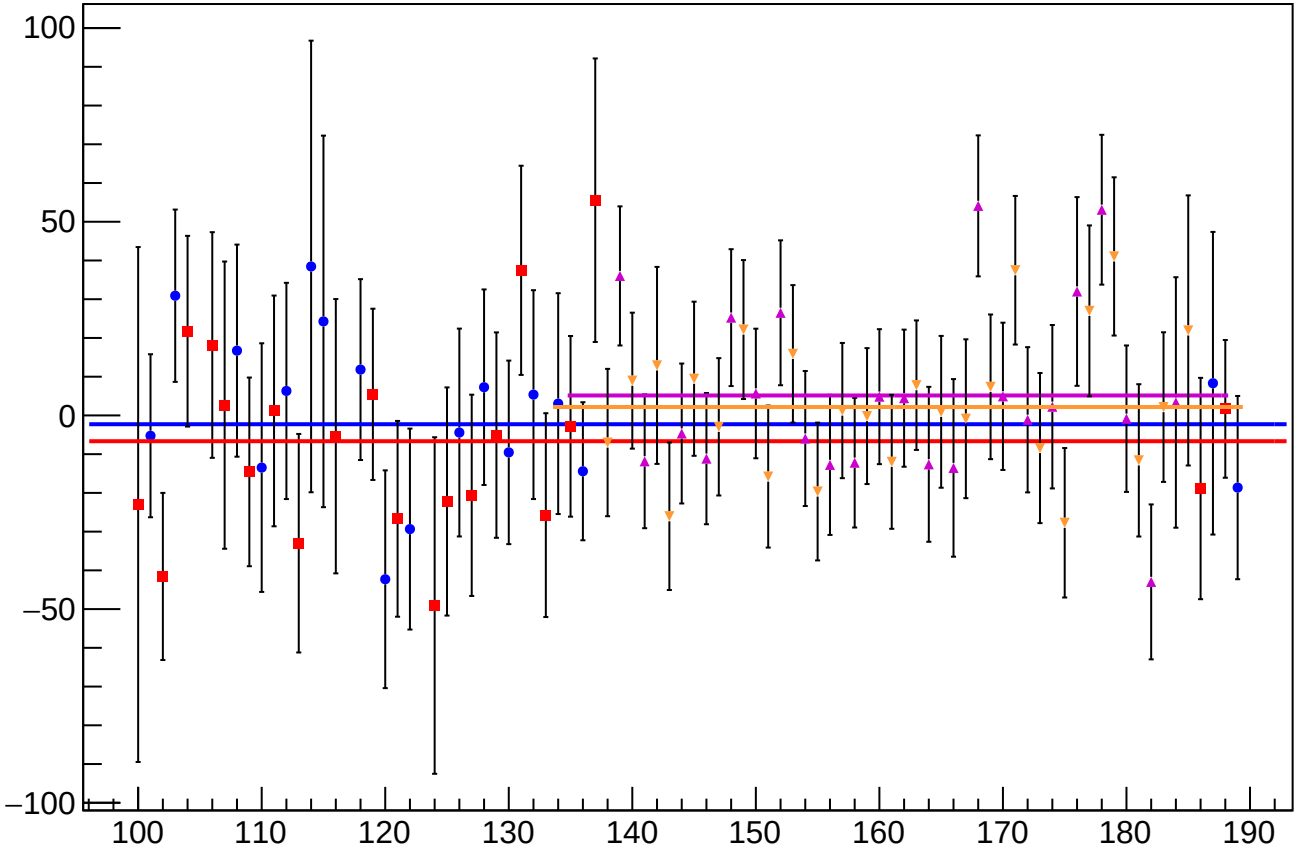
Right: 188.928+/-0.035 χ^2/NDF: 3306582.2/38

In: 185.251+/-0.027 χ^2/NDF:2900964.0/40

Out: 192.172+/-0.027 χ^2/NDF:3940646.9/45

All: 188.699+/-0.019 χ^2/NDF: 6874784.6/86

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.273+/-6.187 χ^2/NDF: 8.6/17

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -6.657+/-5.894 χ^2/NDF: 14.8/20

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

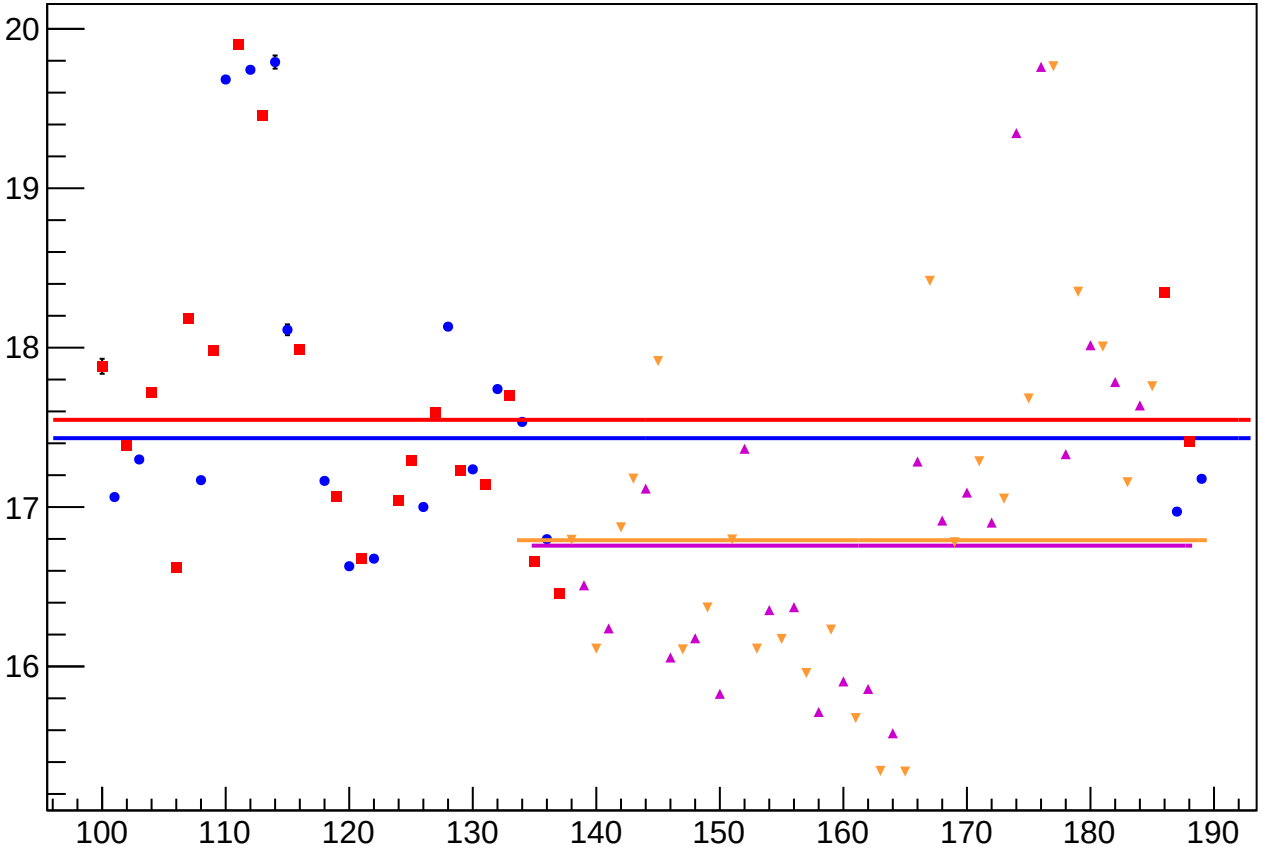
Right: -4.571+/-4.267 χ^2/NDF: 23.7/38

In: 3.021+/-3.314 χ^2/NDF:41.9/40

Out: -0.444+/-3.209 χ^2/NDF:36.4/45

All: 1.233+/-2.305 χ^2/NDF: 78.8/86

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.432+/-0.004 χ^2/NDF: 37209.2/17

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.547+/-0.004 χ^2/NDF: 36425.6/20

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

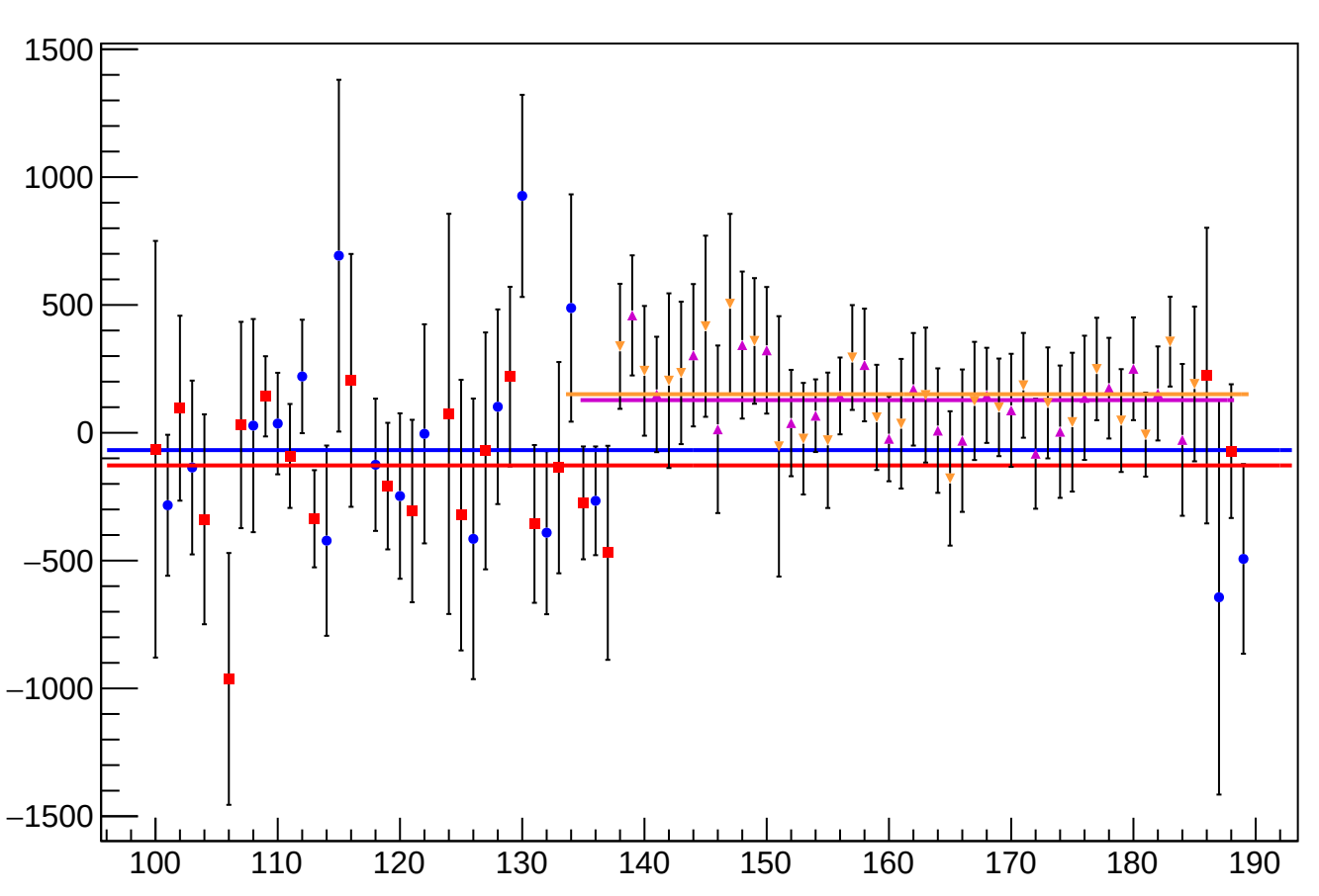
Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

Right: 17.492+/-0.003 χ^2/NDF: 73997.0/38

In: 16.951+/-0.002 χ^2/NDF:177460.0/40

Out: 17.016+/-0.002 χ^2/NDF:196531.5/45

All: 16.985+/-0.002 χ^2/NDF: 374383.2/86



Right In: -67.819+/-75.575 χ^2/NDF: 17.4/17

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -127.743+/-66.772 χ^2/NDF: 12.0/20

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

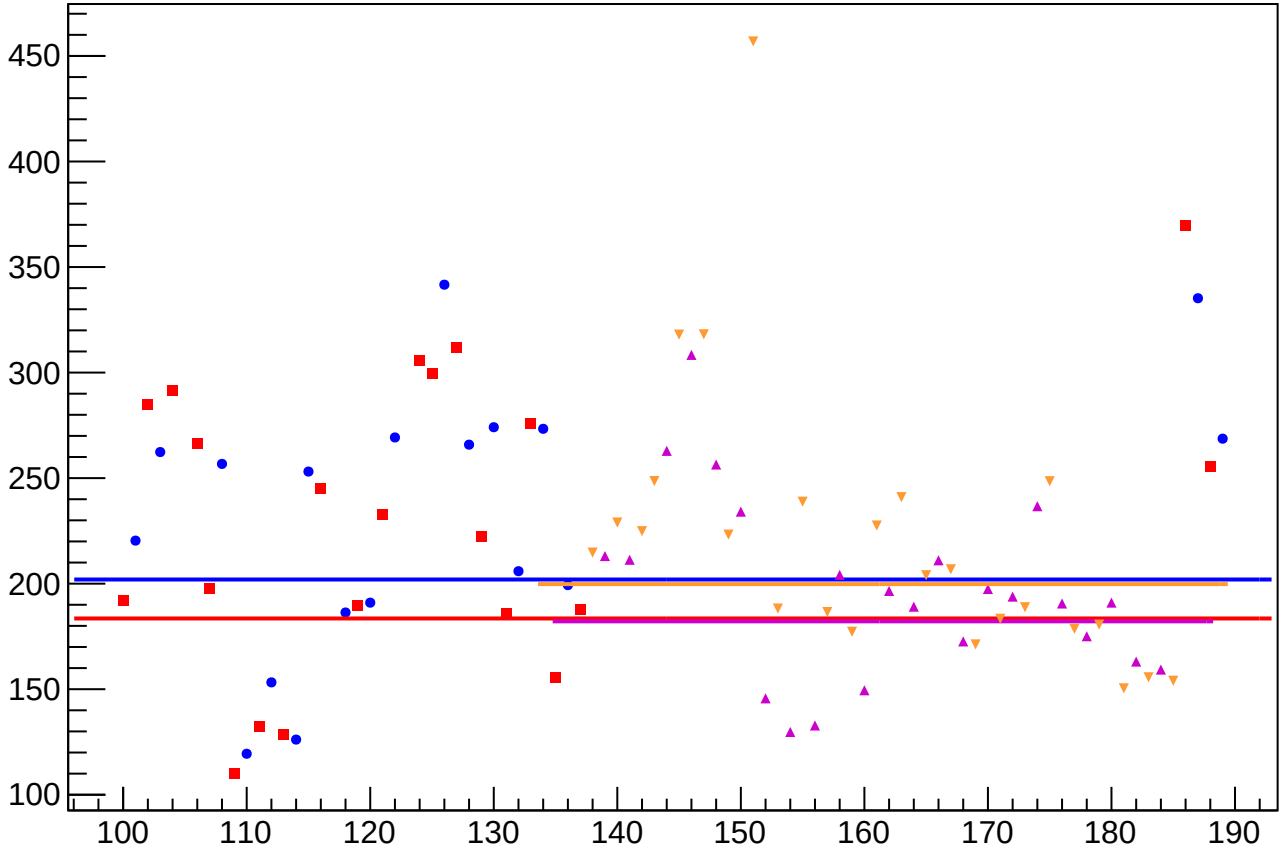
Right: -101.473+/-50.039 χ^2/NDF: 29.7/38

In: 77.495+/-38.299 χ^2/NDF:30.2/40

Out: 58.480+/-38.453 χ^2/NDF:33.6/45

All: 68.026+/-27.136 χ^2/NDF: 63.9/86

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 201.973+/-0.053 χ^2/NDF: 1130700.3/17

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 183.509+/-0.047 χ^2/NDF: 1975330.1/20

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

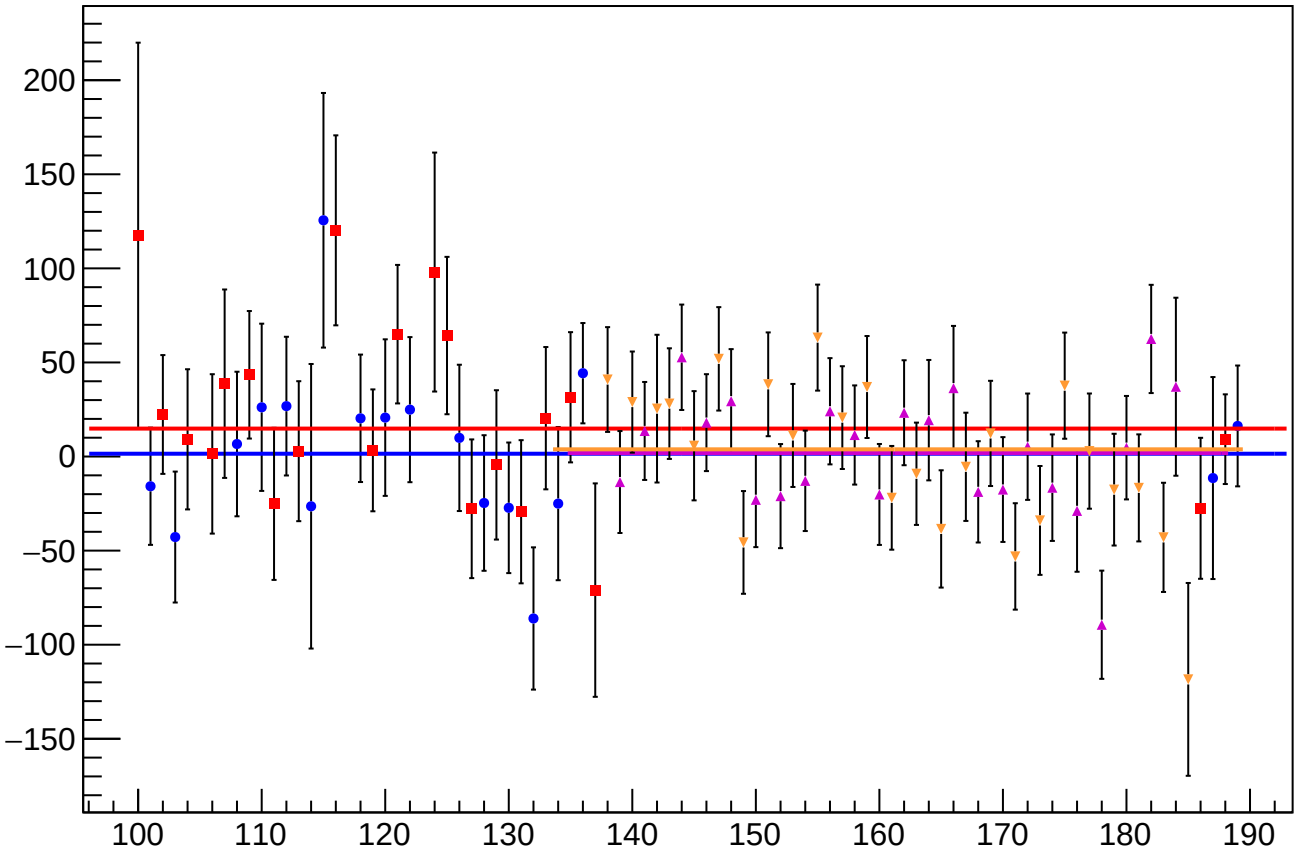
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 191.603+/-0.035 χ^2/NDF: 3173075.9/38

In: 187.241+/-0.027 χ^2/NDF:2817315.6/40

Out: 194.387+/-0.027 χ^2/NDF:3815082.1/45

All: 190.800+/-0.019 χ^2/NDF: 6667072.4/86



Right In: 1.492+/-8.915 χ^2/NDF: 17.0/17

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 14.848+/-8.372 χ^2/NDF: 19.5/20

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

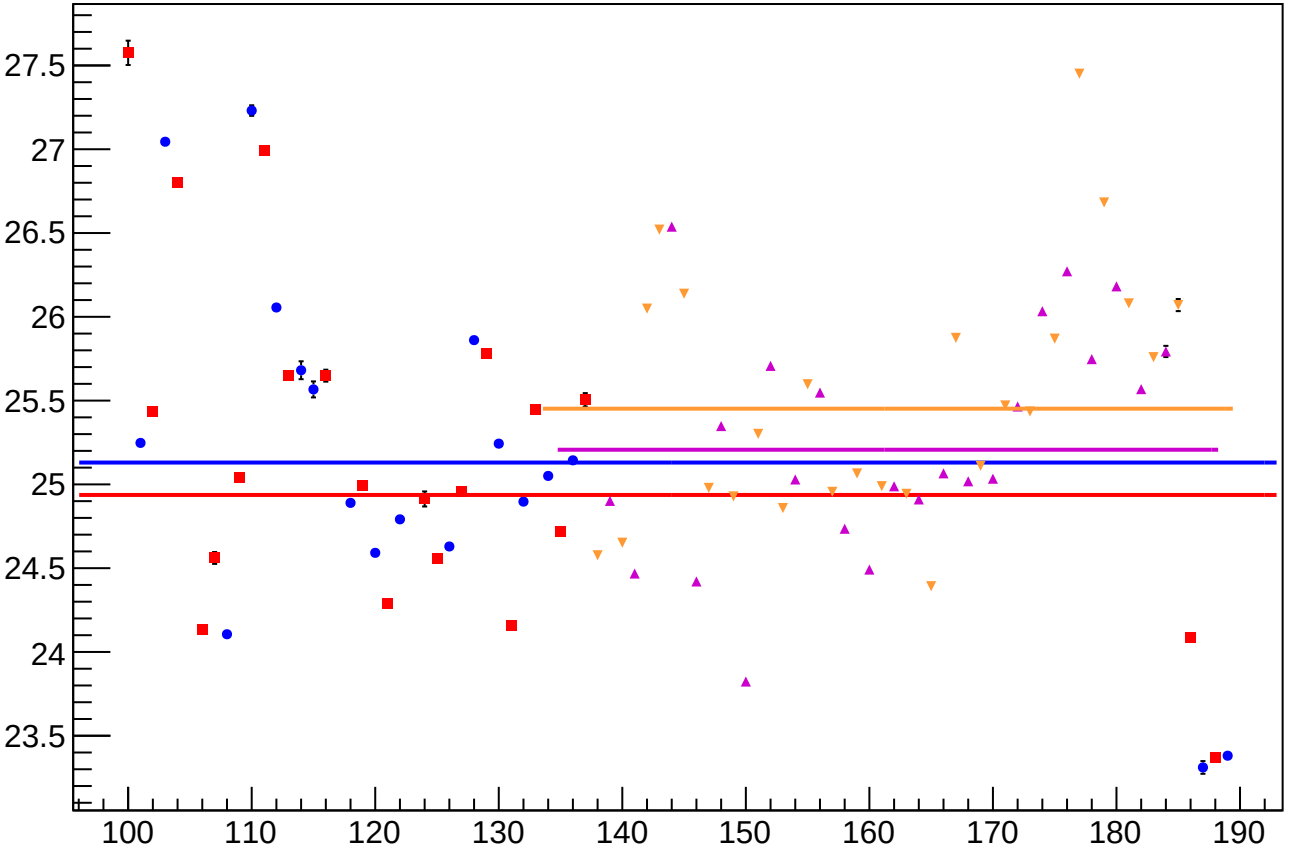
Right: 8.589+/-6.103 χ^2/NDF: 37.7/38

In: 1.741+/-4.916 χ^2/NDF:45.1/40

Out: 7.394+/-4.762 χ^2/NDF:58.2/45

All: 4.658+/-3.420 χ^2/NDF: 104.0/86

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.130+/-0.006 χ^2/NDF: 23513.5/17

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.937+/-0.006 χ^2/NDF: 26809.5/20

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

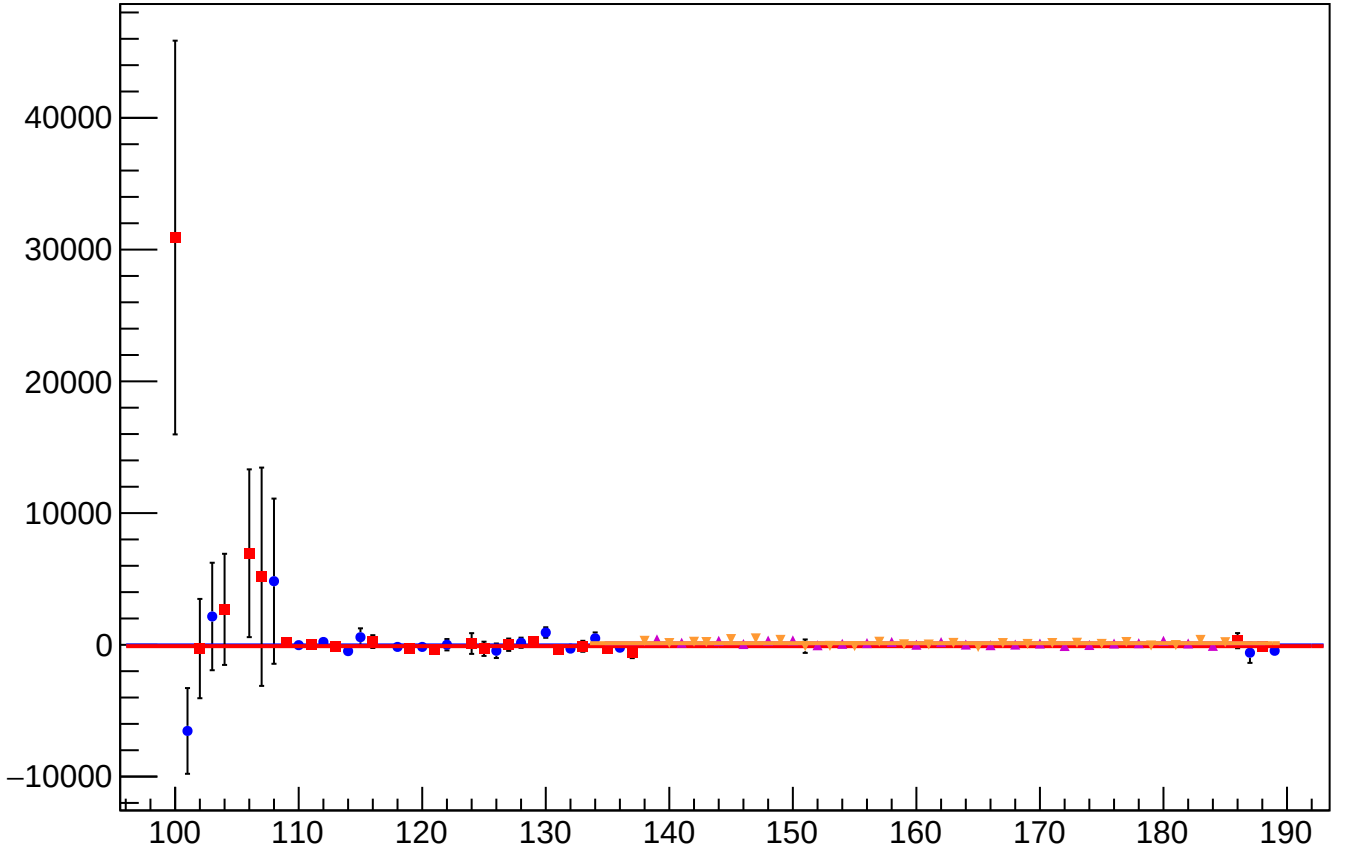
Right: 25.028+/-0.004 χ^2/NDF: 50822.9/38

In: 25.184+/-0.003 χ^2/NDF:49443.4/40

Out: 25.285+/-0.003 χ^2/NDF:61539.1/45

All: 25.236+/-0.002 χ^2/NDF: 111424.5/86

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.428+/-82.109 χ^2/NDF: 20.1/17

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -101.235+/-74.208 χ^2/NDF: 14.6/20

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

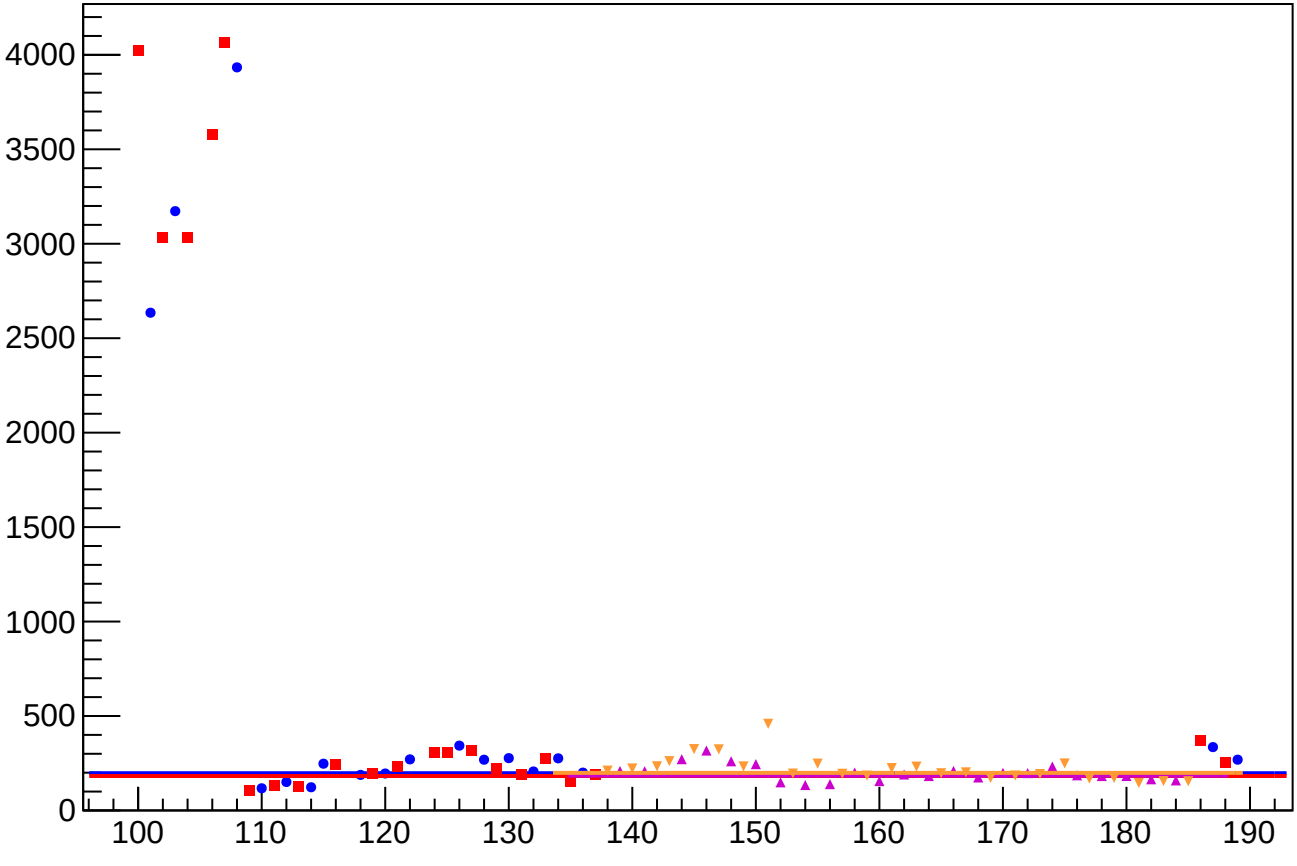
Right: -75.245+/-55.055 χ^2/NDF: 35.0/38

In: 80.331+/-39.375 χ^2/NDF:31.1/40

Out: 60.492+/-39.661 χ^2/NDF:32.3/45

All: 70.483+/-27.943 χ^2/NDF: 63.5/86

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.131+/-0.058 χ^2/NDF: 3968536.0/17

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 182.400+/-0.052 χ^2/NDF: 4699526.1/20

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

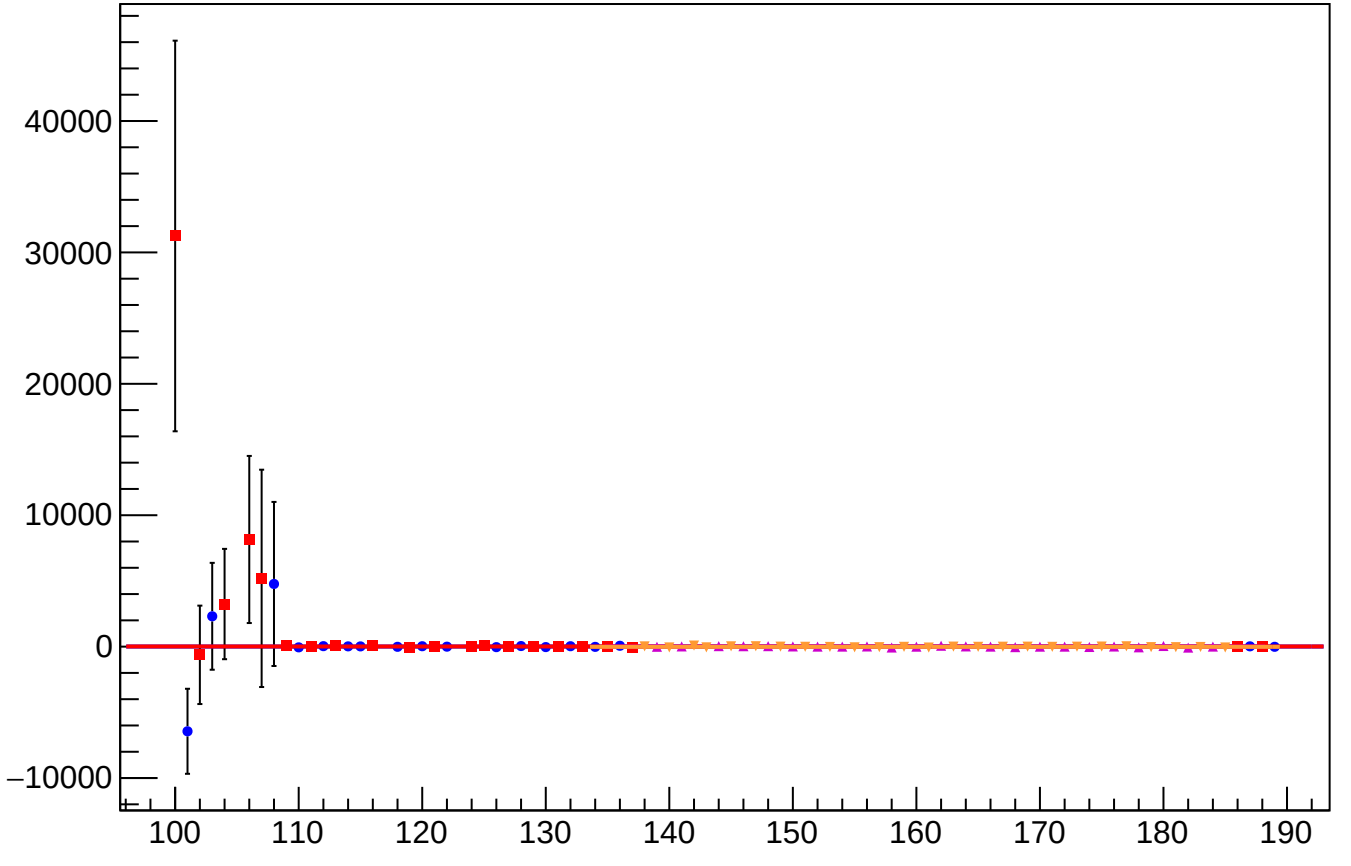
Right: 189.023+/-0.039 χ^2/NDF: 8703495.6/38

In: 187.327+/-0.028 χ^2/NDF:5451871.8/40

Out: 194.254+/-0.028 χ^2/NDF:6673124.0/45

All: 190.765+/-0.020 χ^2/NDF: 12155721.3/86

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 7.783+/-10.962 χ^2/NDF: 16.4/17

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 12.431+/-10.694 χ^2/NDF: 26.7/20

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

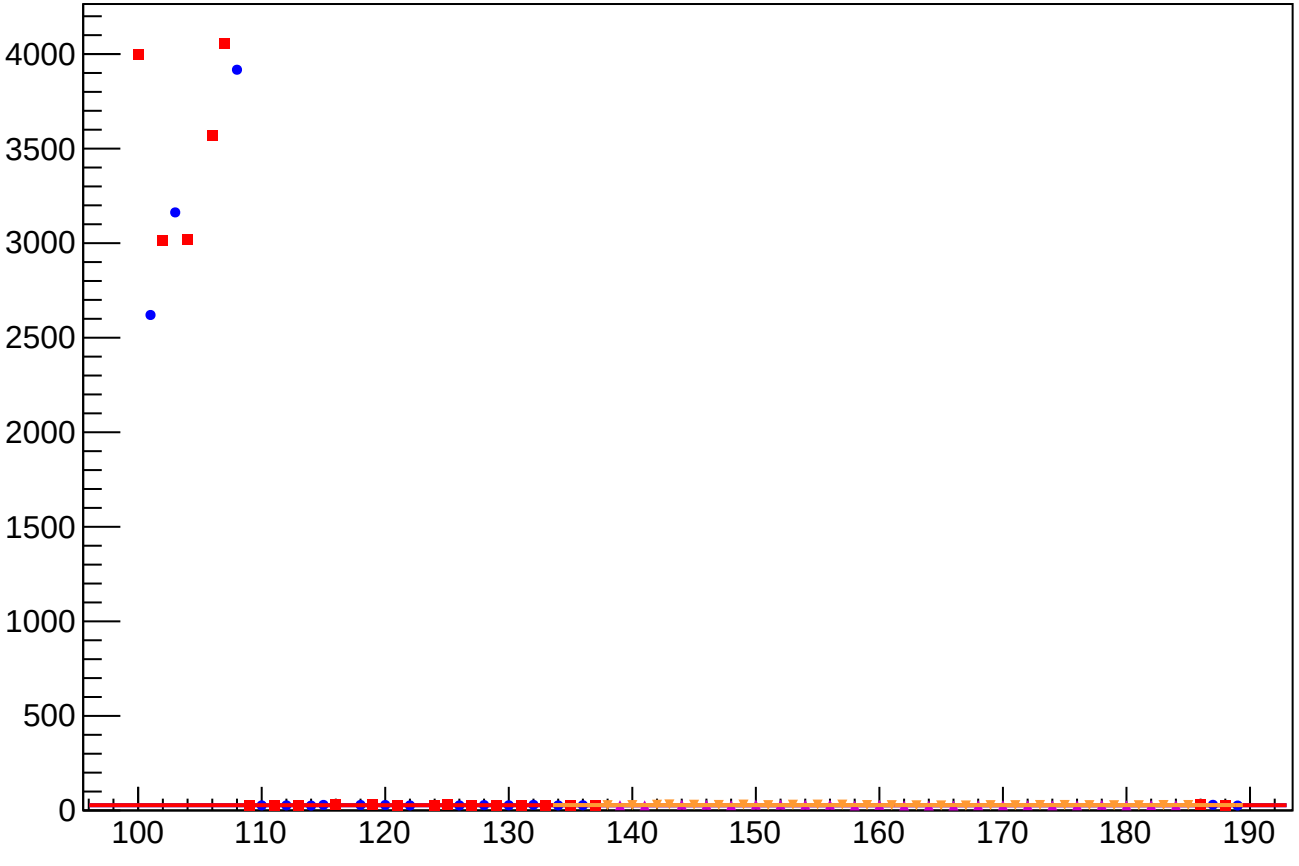
Right: 10.164+/-7.655 χ^2/NDF: 43.2/38

In: 3.699+/-5.719 χ^2/NDF:44.9/40

Out: -7.455+/-5.562 χ^2/NDF:53.7/45

All: -2.033+/-3.987 χ^2/NDF: 100.5/86

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.530+/-0.008 χ^2/NDF: 3271916.3/17

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.838+/-0.008 χ^2/NDF: 3572073.1/20

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

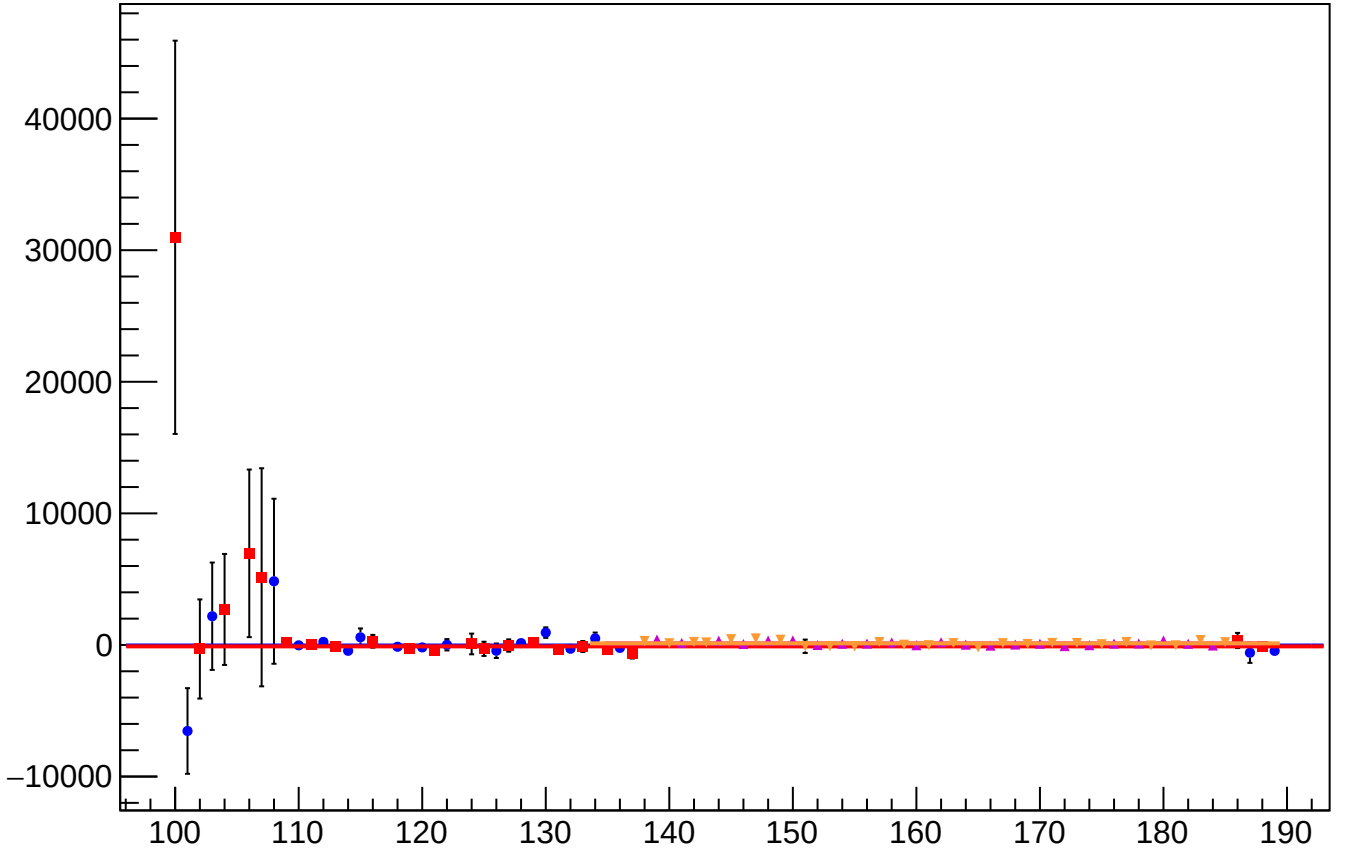
Right: 27.688+/-0.005 χ^2/NDF: 6844801.9/38

In: 28.313+/-0.004 χ^2/NDF:3408870.7/40

Out: 28.384+/-0.004 χ^2/NDF:3667327.4/45

All: 28.349+/-0.003 χ^2/NDF: 7076354.9/86

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.052+/-81.874 χ^2/NDF: 20.2/17

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -107.391+/-74.009 χ^2/NDF: 15.1/20

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

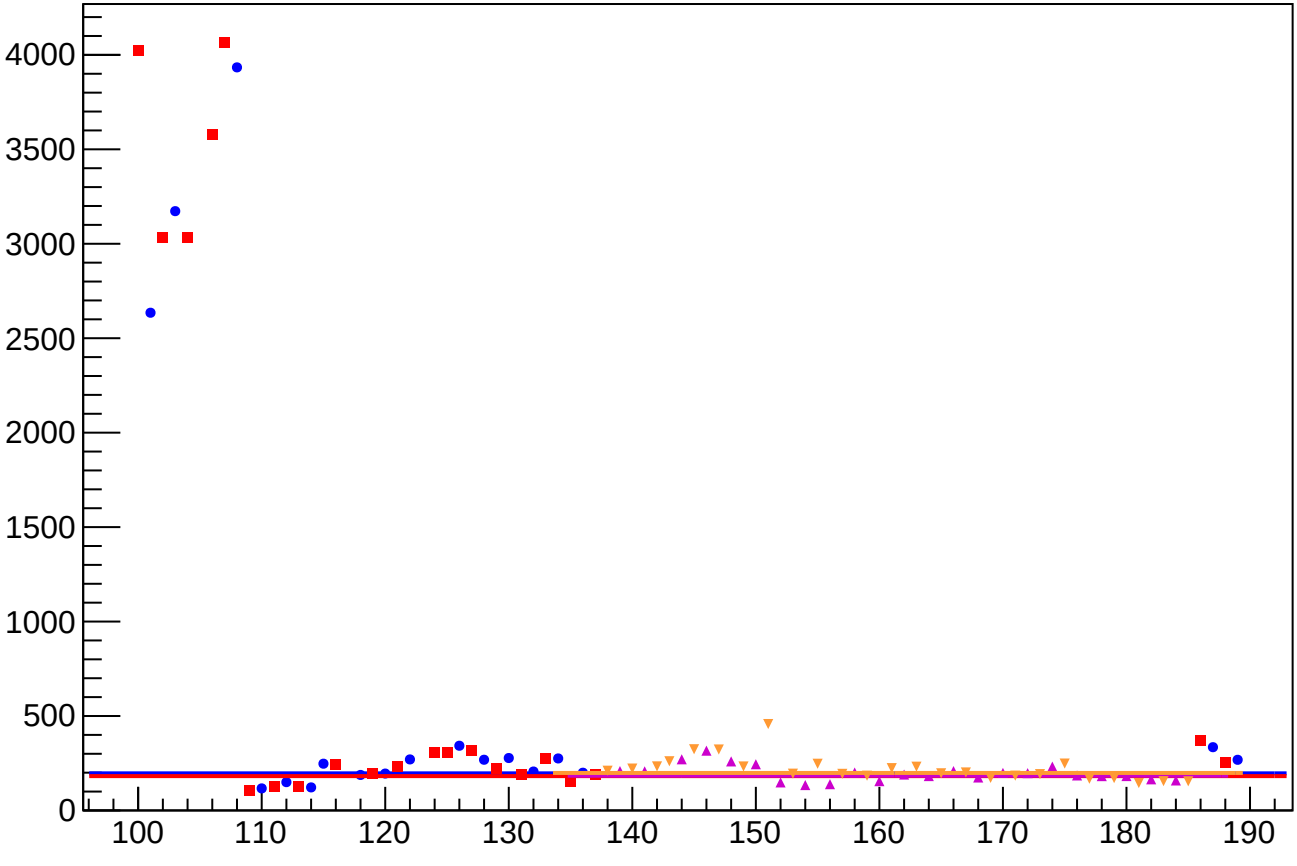
Right: -77.561+/-54.903 χ^2/NDF: 35.6/38

In: 80.017+/-39.292 χ^2/NDF:31.4/40

Out: 56.364+/-39.570 χ^2/NDF:33.9/45

All: 68.274+/-27.881 χ^2/NDF: 65.5/86

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.462+/-0.058 χ^2/NDF: 3981636.7/17

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 181.784+/-0.052 χ^2/NDF: 4716335.2/20

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

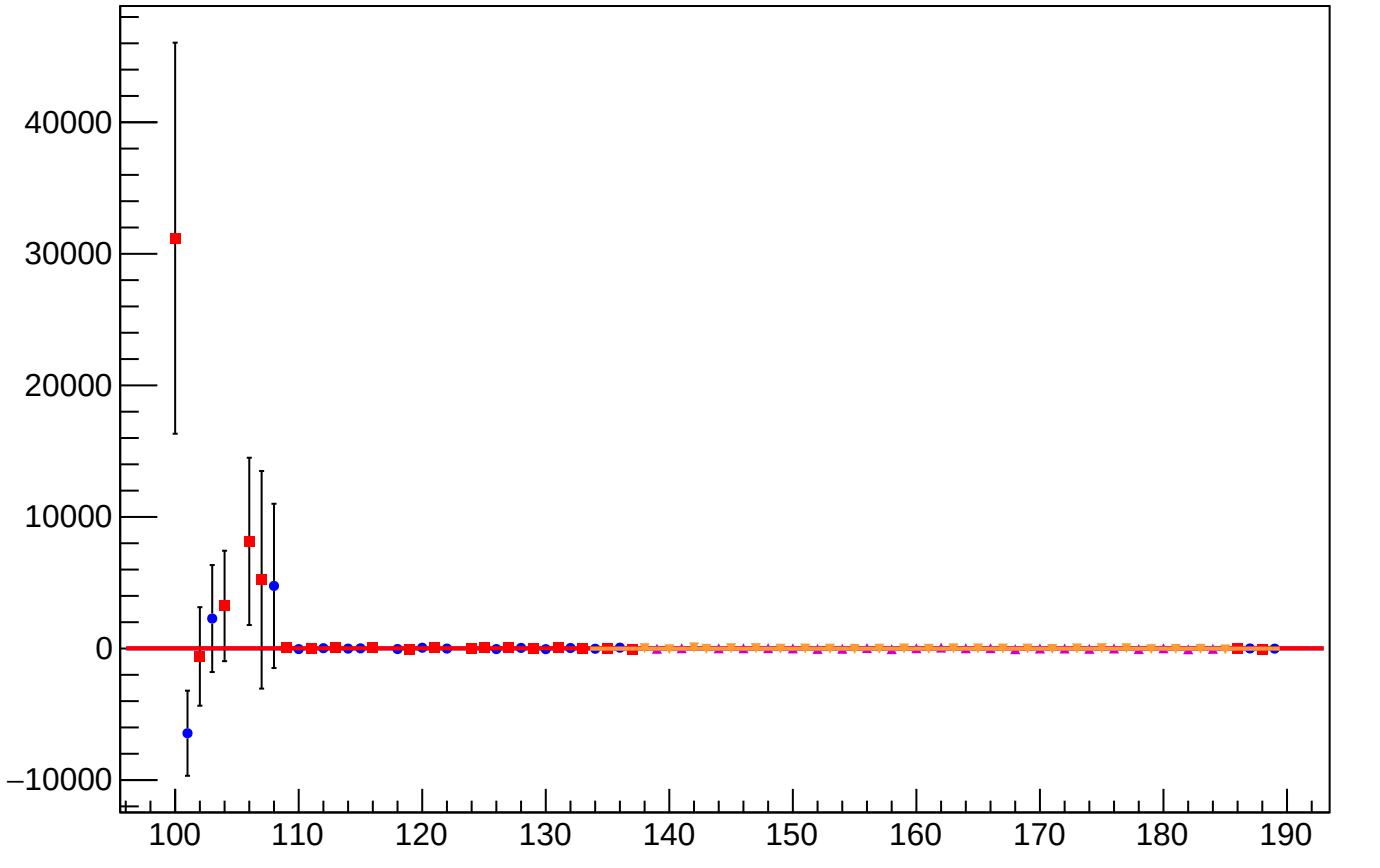
Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

Right: 188.384+/-0.039 χ^2/NDF: 8733343.9/38

In: 186.909+/-0.028 χ^2/NDF:5462435.1/40

Out: 193.772+/-0.028 χ^2/NDF:6691314.9/45

All: 190.316+/-0.020 χ^2/NDF: 12184041.0/86



Right In: 4.860+/-11.021 χ^2/NDF: 18.5/17

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 19.324+/-10.744 χ^2/NDF: 25.3/20

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

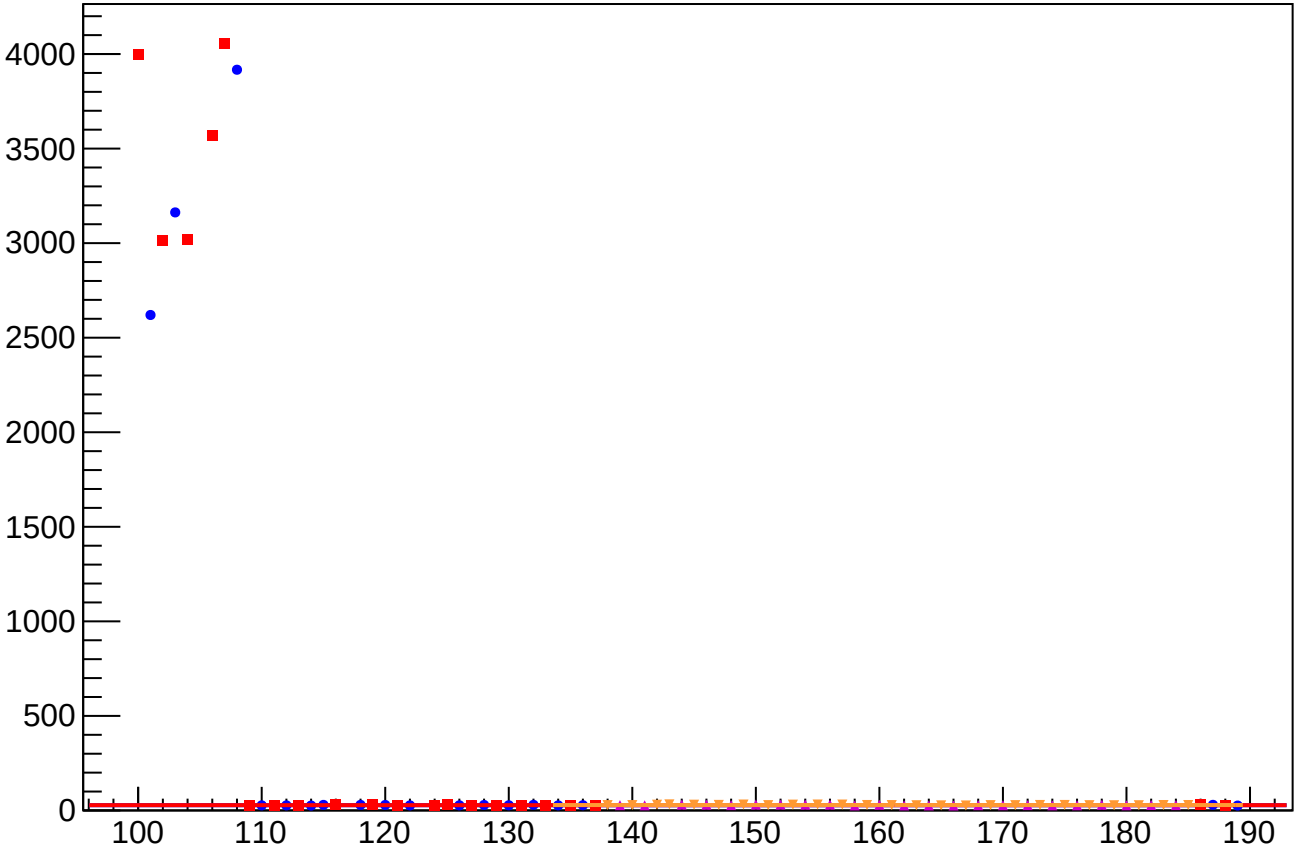
Right: 12.276+/-7.693 χ^2/NDF: 44.7/38

In: 3.197+/-5.745 χ^2/NDF:40.7/40

Out: -3.430+/-5.587 χ^2/NDF:49.4/45

All: -0.209+/-4.005 χ^2/NDF: 90.7/86

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.674+/-0.008 χ^2/NDF: 3273467.6/17

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.971+/-0.008 χ^2/NDF: 3568773.0/20

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

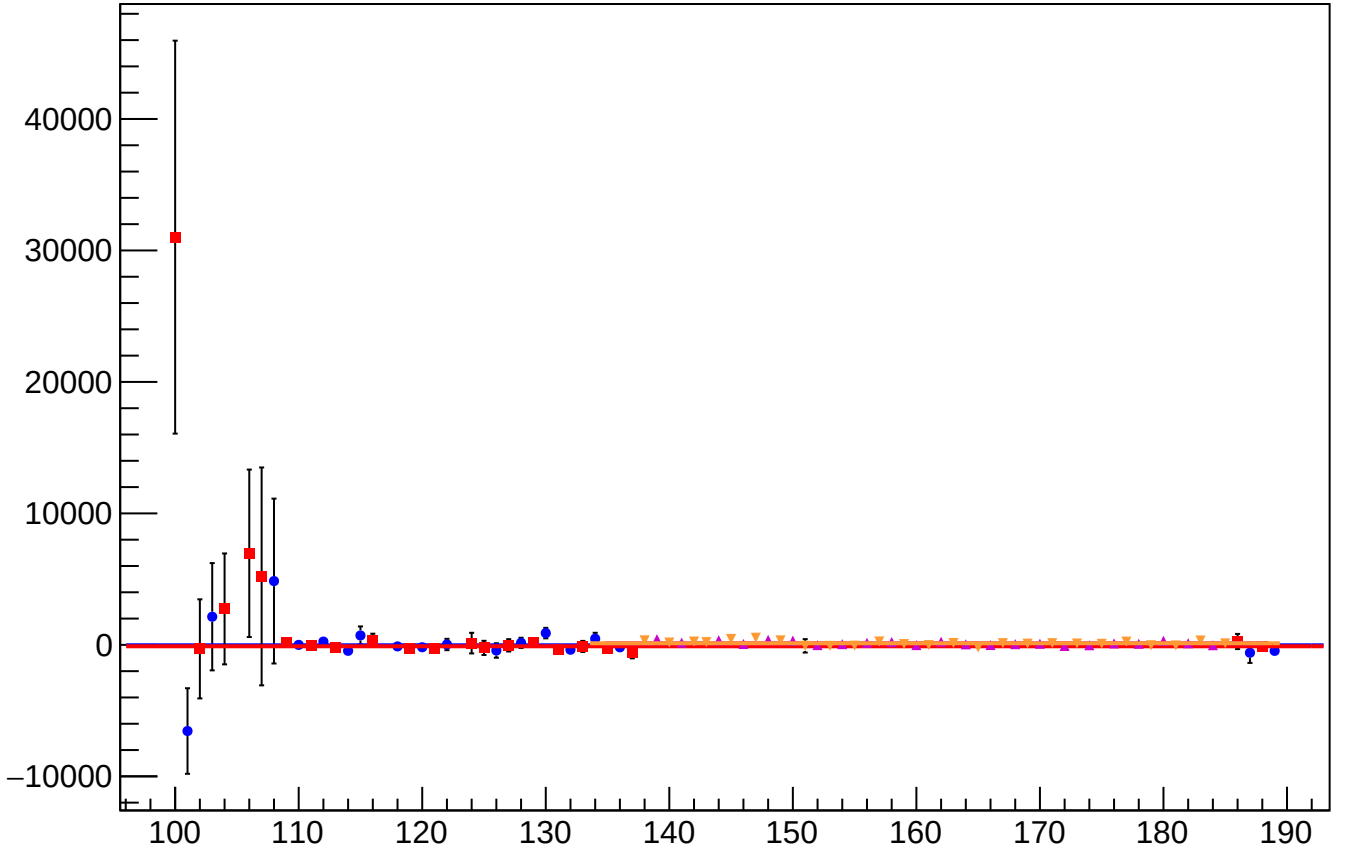
Right: 27.826+/-0.005 χ^2/NDF: 6842986.6/38

In: 28.441+/-0.004 χ^2/NDF:3414164.7/40

Out: 28.508+/-0.004 χ^2/NDF:3674489.5/45

All: 28.476+/-0.003 χ^2/NDF: 7088794.1/86

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -32.164+/-82.855 χ^2/NDF: 20.2/17

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -107.476+/-74.975 χ^2/NDF: 14.2/20

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

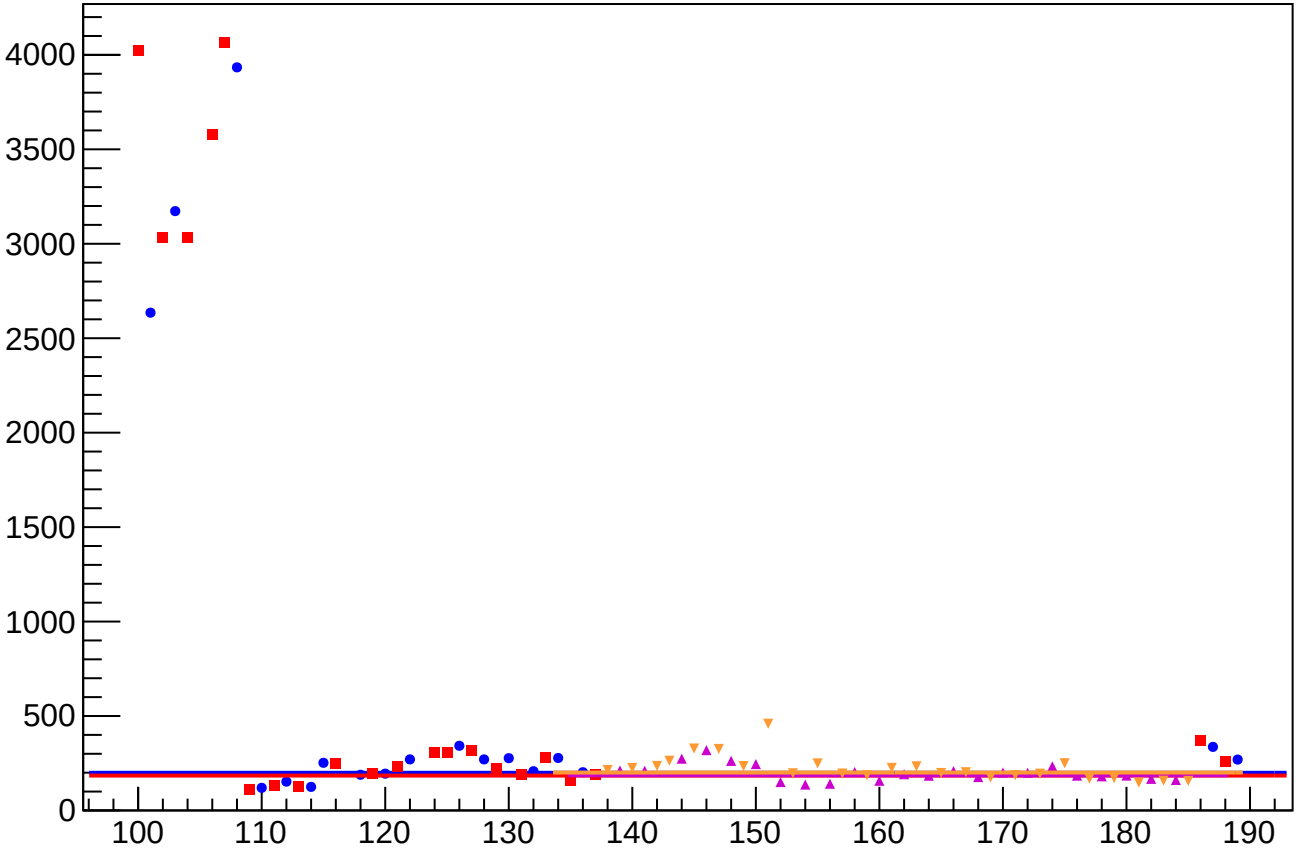
Right: -73.571+/-55.593 χ^2/NDF: 34.9/38

In: 87.365+/-39.726 χ^2/NDF:31.4/40

Out: 57.288+/-40.004 χ^2/NDF:32.3/45

All: 72.431+/-28.188 χ^2/NDF: 63.9/86

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 199.321+/-0.059 χ^2/NDF: 3926019.2/17

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 184.734+/-0.053 χ^2/NDF: 4645715.0/20

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

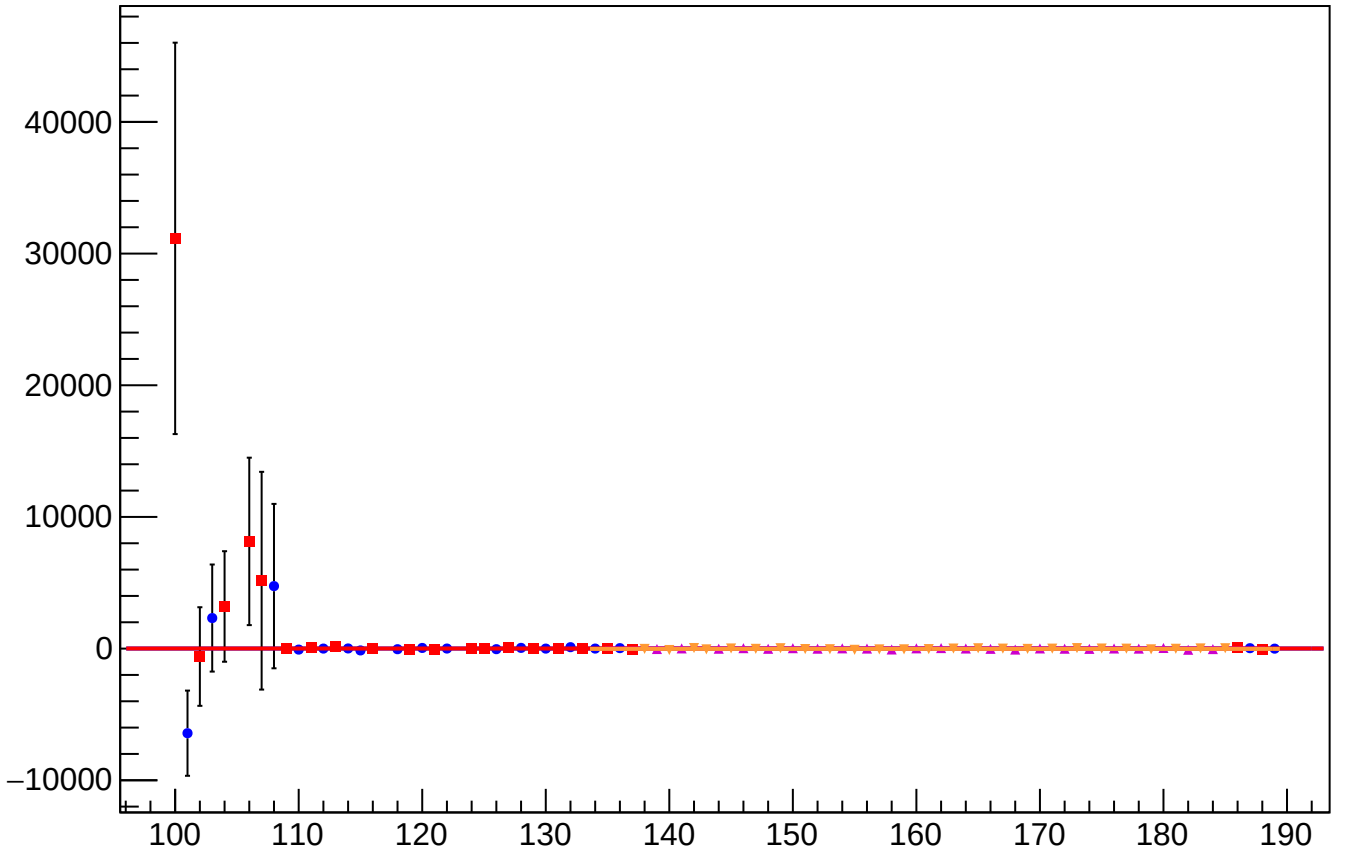
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 191.301+/-0.039 χ^2/NDF: 8605816.4/38

In: 189.192+/-0.028 χ^2/NDF:5378212.4/40

Out: 196.144+/-0.028 χ^2/NDF:6590560.0/45

All: 192.644+/-0.020 χ^2/NDF: 11999181.8/86



Right In: 5.519+/-13.425 χ^2/NDF: 17.6/17

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 7.028+/-13.024 χ^2/NDF: 25.9/20

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

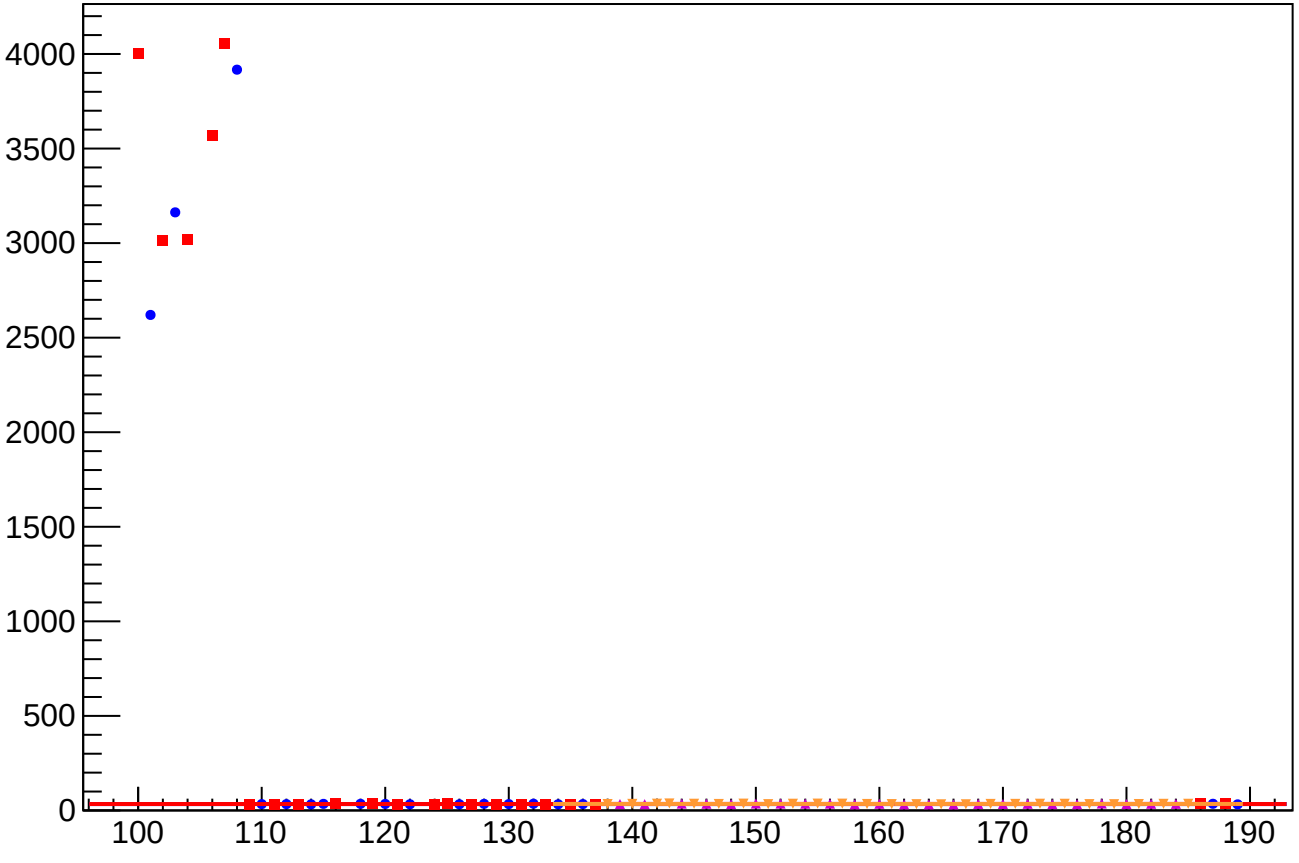
Right: 6.296+/-9.348 χ^2/NDF: 43.5/38

In: -1.488+/-6.925 χ^2/NDF:36.9/40

Out: -13.719+/-6.714 χ^2/NDF:52.2/45

All: -7.793+/-4.820 χ^2/NDF: 90.8/86

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.779+/-0.009 χ^2/NDF: 3247743.6/17

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.990+/-0.009 χ^2/NDF: 3533925.8/20

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

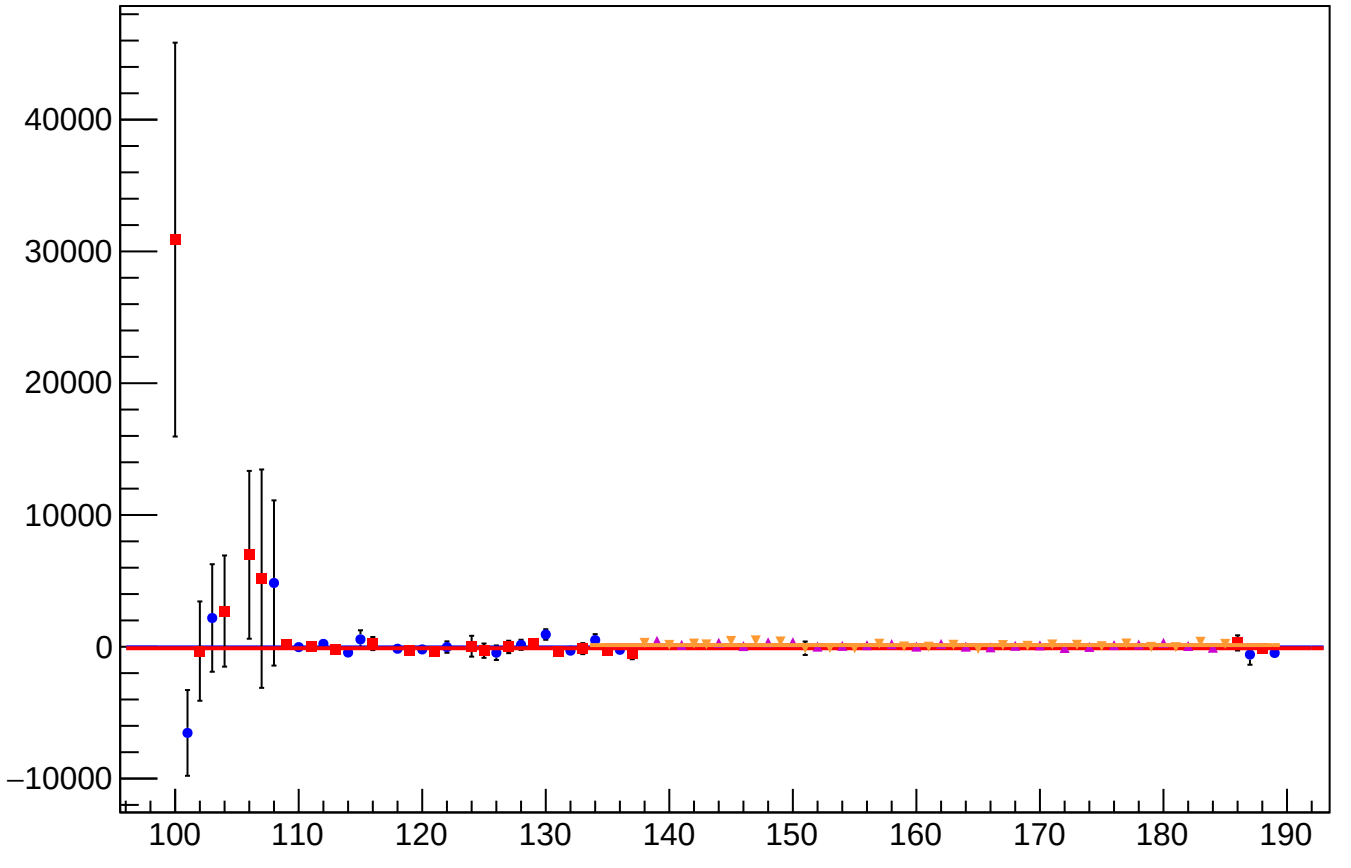
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.888+/-0.007 χ^2/NDF: 6781923.2/38

In: 34.346+/-0.005 χ^2/NDF:3311889.5/40

Out: 34.319+/-0.005 χ^2/NDF:3580355.9/45

All: 34.332+/-0.003 χ^2/NDF: 6892261.1/86



Right In: -48.308+/-82.444 χ^2/NDF: 20.1/17

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -111.365+/-74.522 χ^2/NDF: 13.8/20

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

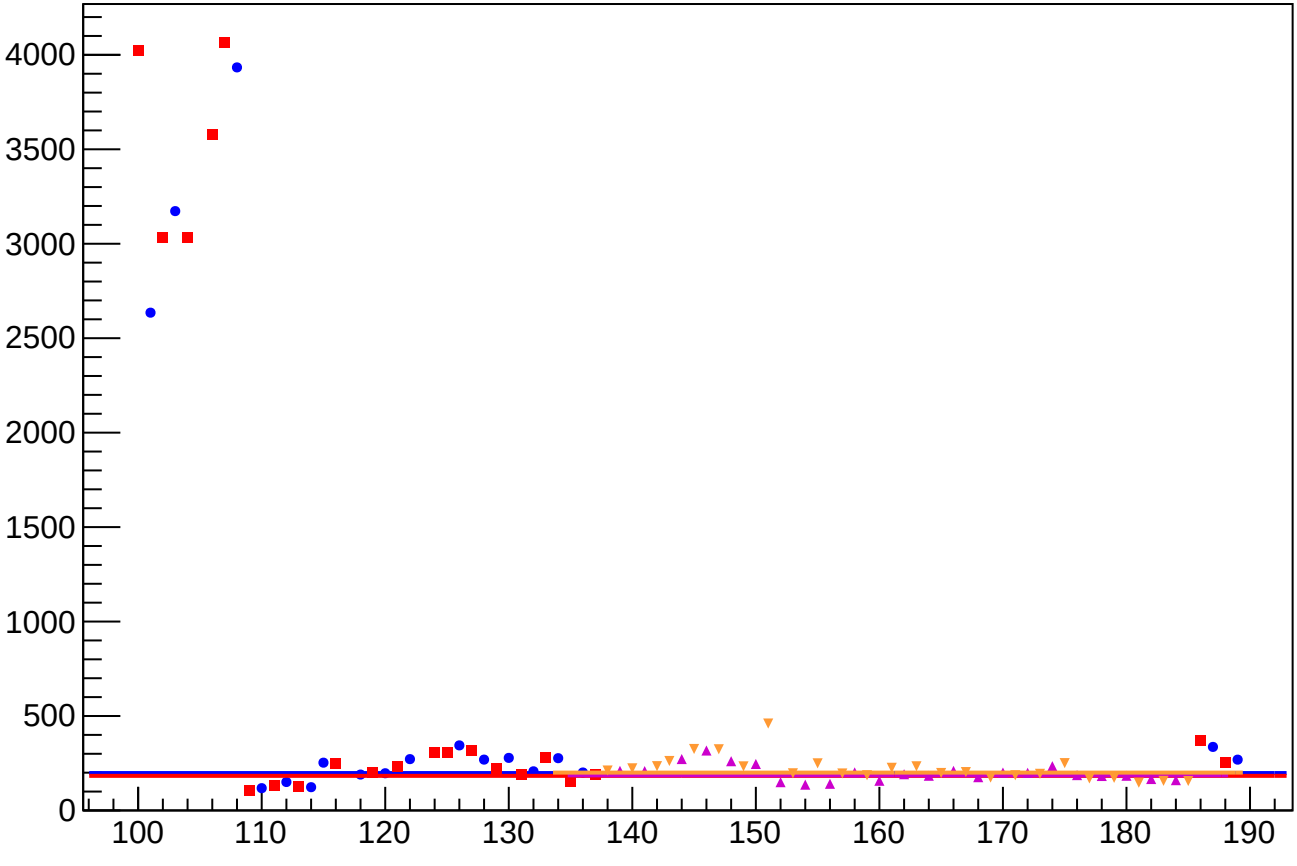
Right: -83.011+/-55.284 χ^2/NDF: 34.2/38

In: 83.263+/-39.633 χ^2/NDF:31.4/40

Out: 59.188+/-39.892 χ^2/NDF:32.8/45

All: 71.304+/-28.116 χ^2/NDF: 64.3/86

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.956+/-0.058 χ^2/NDF: 3967876.1/17

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 183.200+/-0.053 χ^2/NDF: 4700390.0/20

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

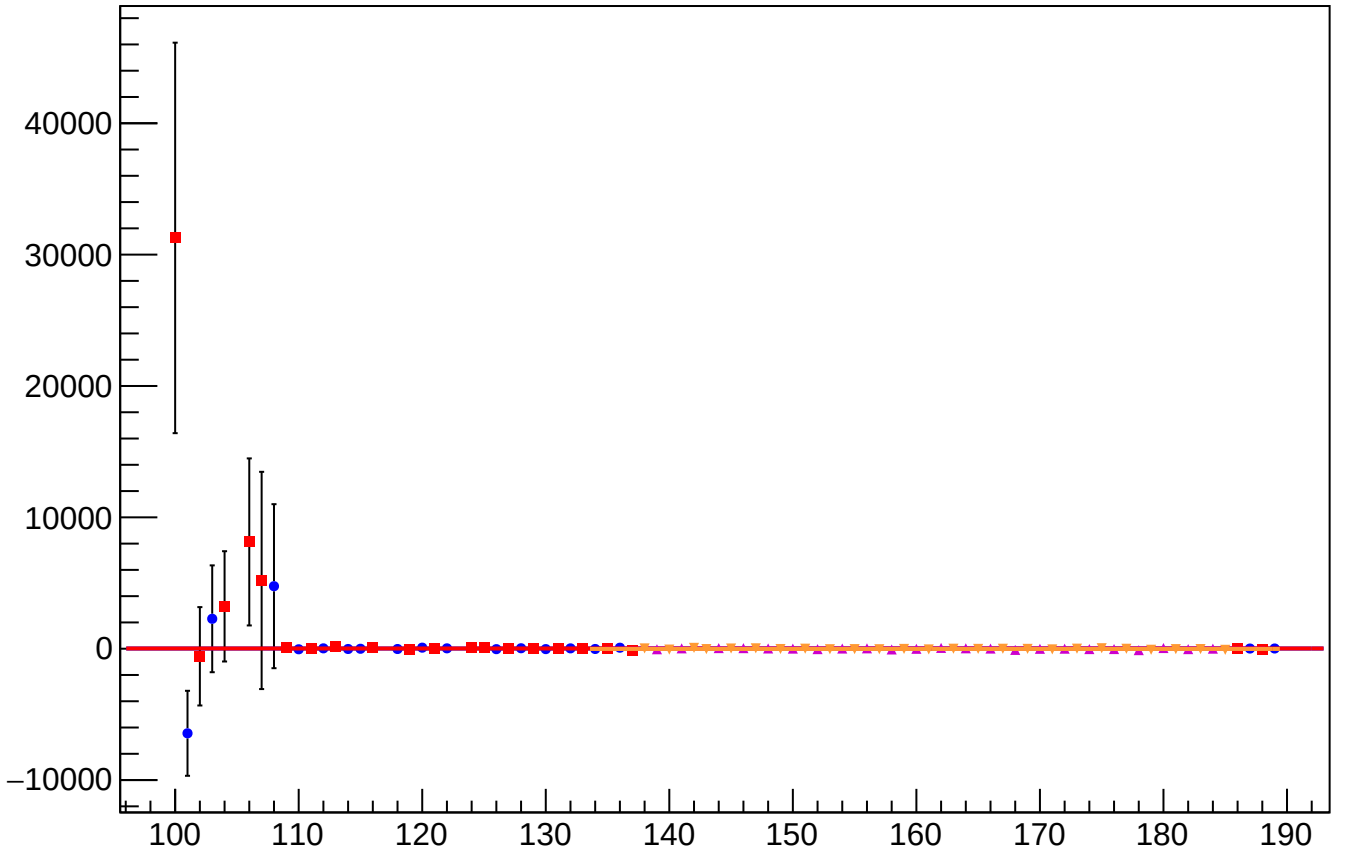
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 189.835+/-0.039 χ^2/NDF: 8703527.5/38

In: 188.664+/-0.028 χ^2/NDF:5406441.4/40

Out: 195.451+/-0.028 χ^2/NDF:6652691.8/45

All: 192.036+/-0.020 χ^2/NDF: 12088268.9/86



Right In: 13.859+/-12.230 χ^2/NDF: 15.5/17

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 17.242+/-11.868 χ^2/NDF: 30.8/20

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

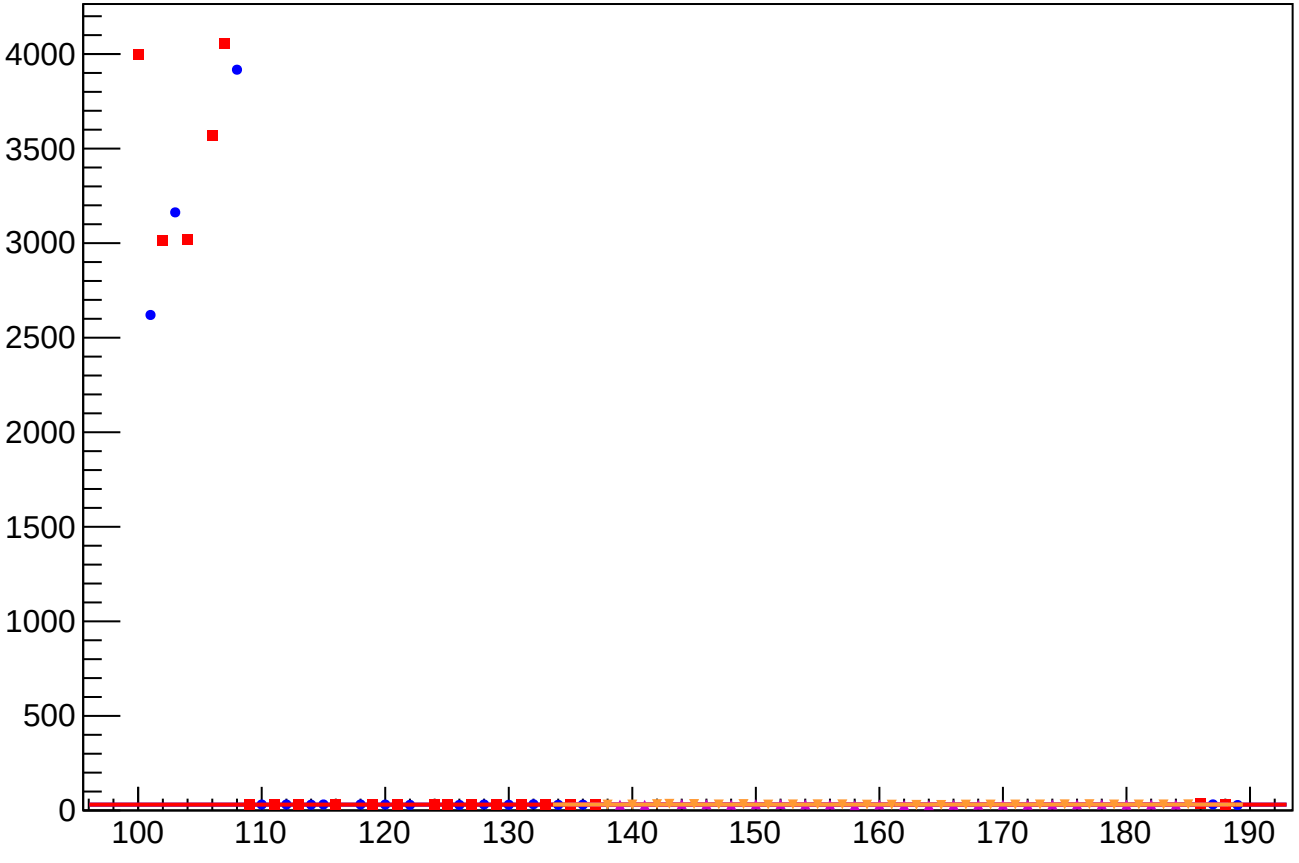
Right: 15.601+/-8.517 χ^2/NDF: 46.3/38

In: 1.685+/-6.298 χ^2/NDF:52.3/40

Out: -9.071+/-6.115 χ^2/NDF:57.9/45

All: -3.852+/-4.387 χ^2/NDF: 111.7/86

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.743+/-0.009 χ^2/NDF: 3259054.5/17

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.939+/-0.008 χ^2/NDF: 3545593.9/20

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

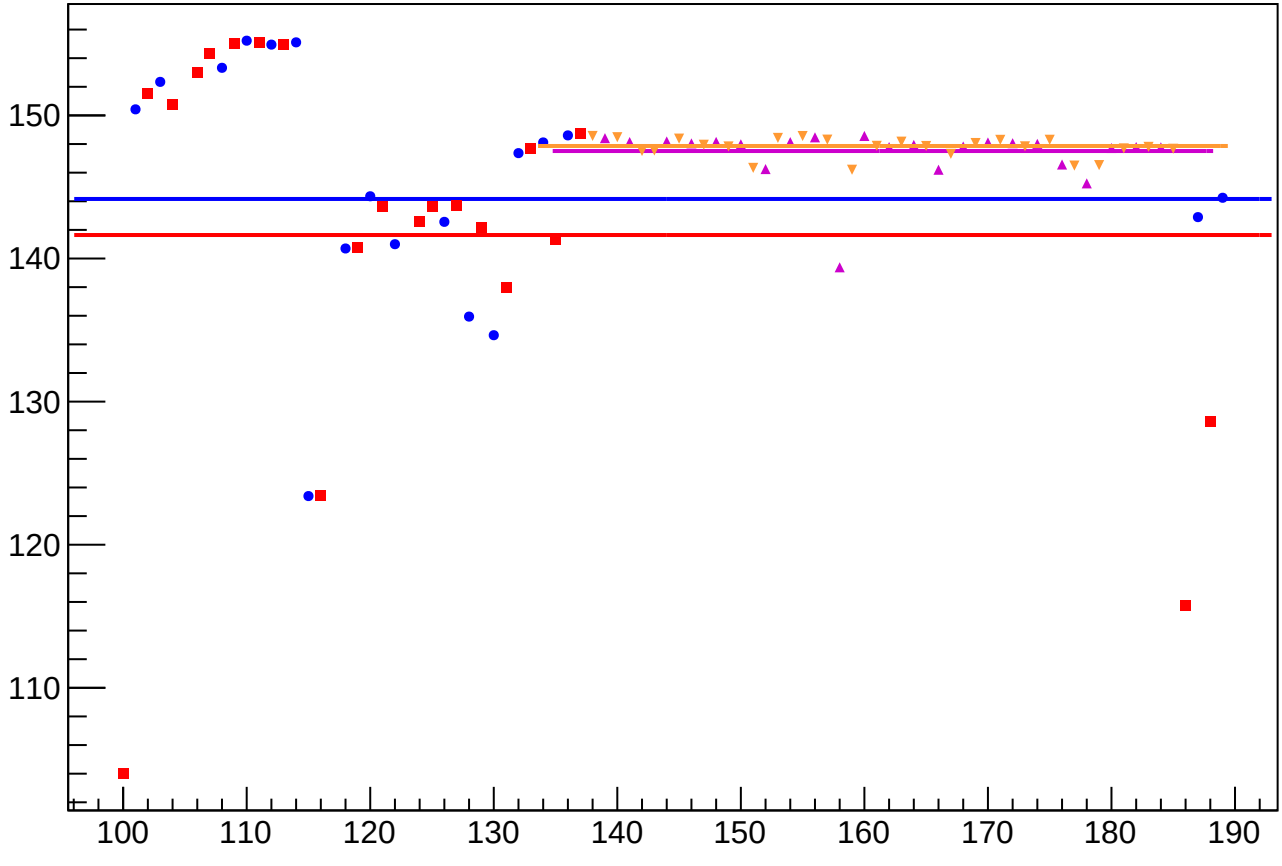
Right: 30.844+/-0.006 χ^2/NDF: 6804911.9/38

In: 31.211+/-0.004 χ^2/NDF:3348262.2/40

Out: 31.233+/-0.004 χ^2/NDF:3610290.1/45

All: 31.222+/-0.003 χ^2/NDF: 6958565.7/86

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.162+/-0.000 χ^2/NDF: 3726122611.2/17

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.642+/-0.000 χ^2/NDF: 7391814143.2/20

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

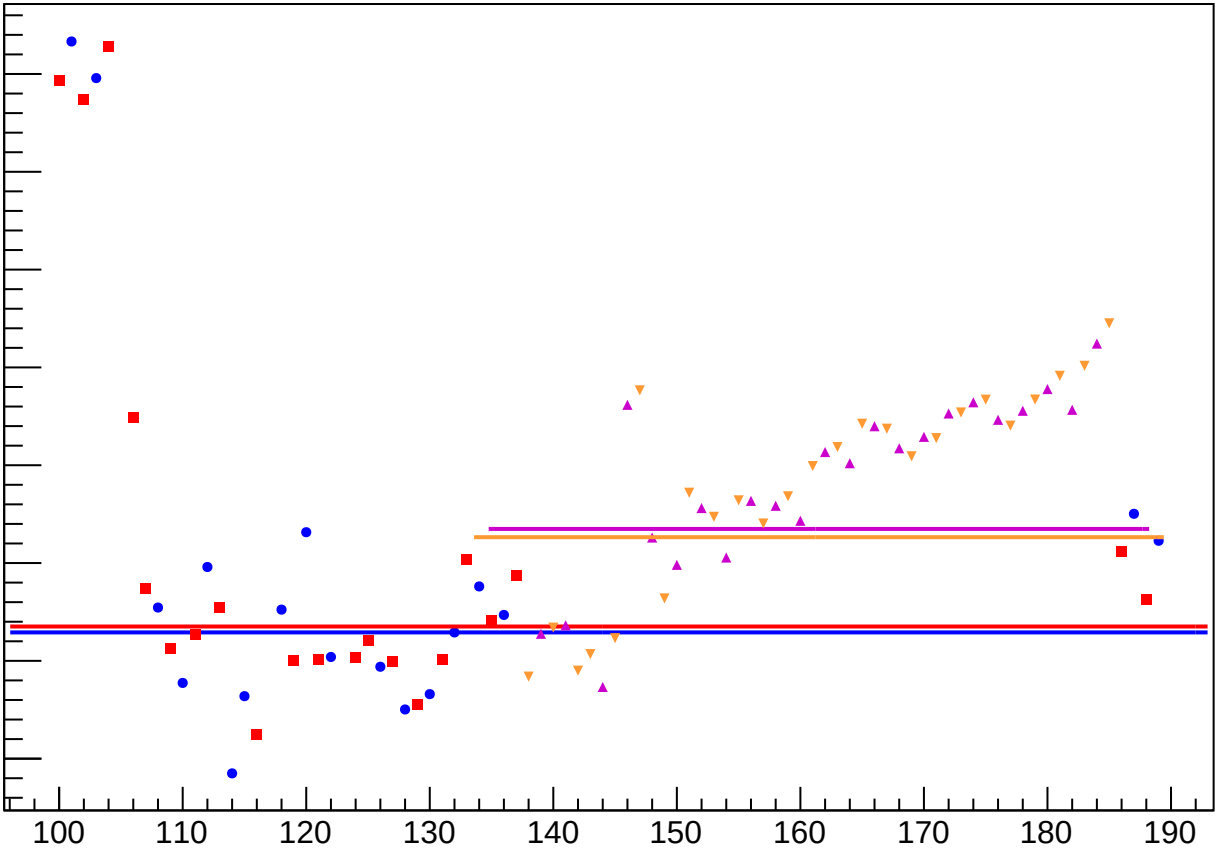
Right: 142.851+/-0.000 χ^2/NDF: 11318044040.3/38

In: 146.156+/-0.000 χ^2/NDF:4437346711.2/40

Out: 145.352+/-0.000 χ^2/NDF:8953464581.3/45

All: 145.737+/-0.000 χ^2/NDF: 13441289294.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF: 1472196.2/17

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.335+/-0.000 χ^2/NDF: 1346786.9/20

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

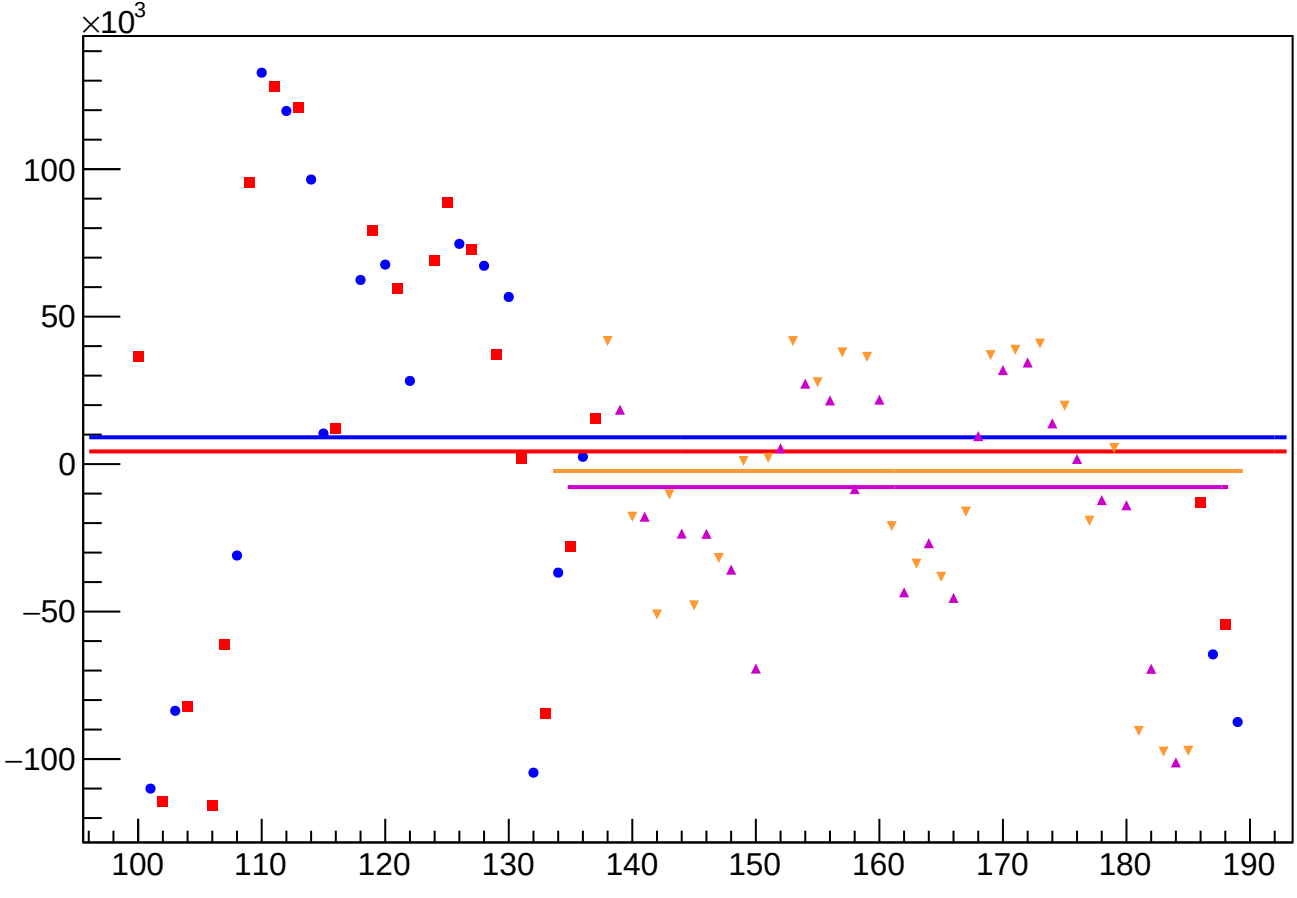
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.332+/-0.000 χ^2/NDF: 2821275.3/38

In: 0.392+/-0.000 χ^2/NDF:4054841.2/40

Out: 0.390+/-0.000 χ^2/NDF:4259372.7/45

All: 0.391+/-0.000 χ^2/NDF: 8315211.1/86



Right In: 9086.555+/-1.916 χ^2/NDF: 1610690472.2/17

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: 4293.150+/-1.755 χ^2/NDF: 2017483461.3/20

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

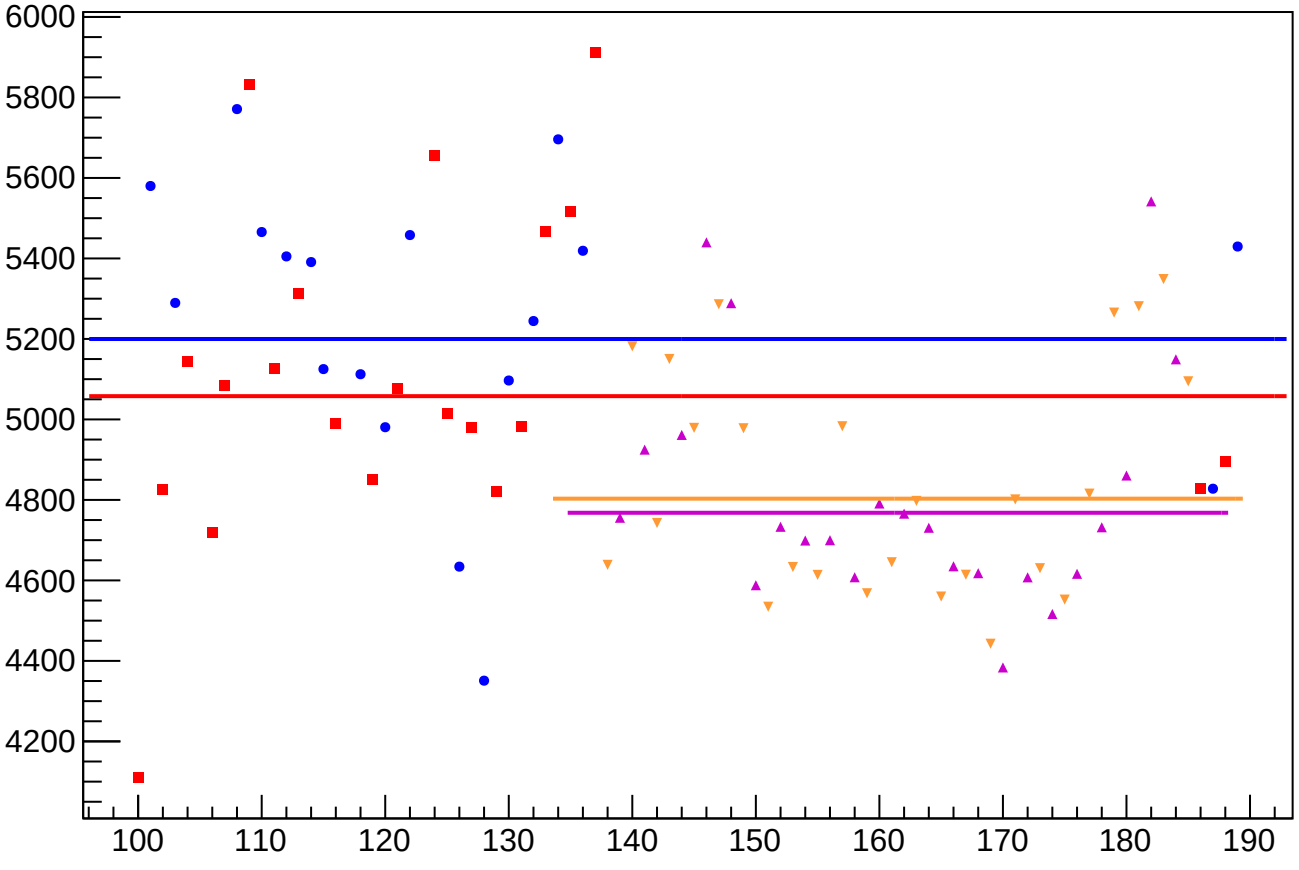
Right: 6479.950+/-1.294 χ^2/NDF: 3631577833.1/38

In: -3349.592+/-0.983 χ^2/NDF:2430357427.8/40

Out: -415.598+/-0.946 χ^2/NDF:3257662814.7/45

All: -1827.064+/-0.682 χ^2/NDF: 5692647254

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5199.840+/-1.355 χ^2/NDF: 80924.7/17

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5057.816+/-1.241 χ^2/NDF: 63646.0/20

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

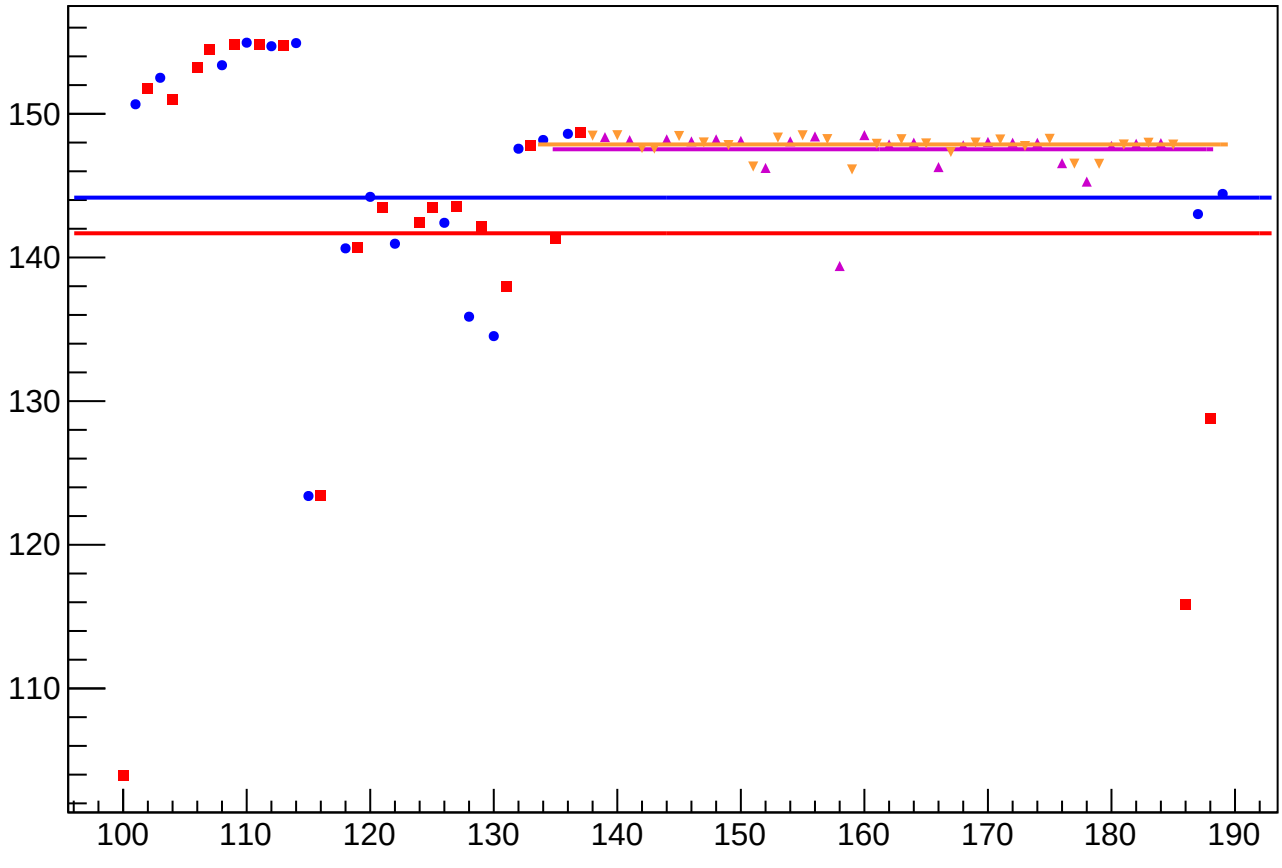
Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

Right: 5122.609+/-0.915 χ^2/NDF: 150547.2/38

In: 4881.621+/-0.695 χ^2/NDF:258145.5/40

Out: 4877.156+/-0.669 χ^2/NDF:208209.5/45

All: 4879.304+/-0.482 χ^2/NDF: 466376.5/86



Right In: 144.167+/-0.000 χ^2/NDF: 3766120620.4/17

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 141.685+/-0.000 χ^2/NDF: 7362855292.6/20

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

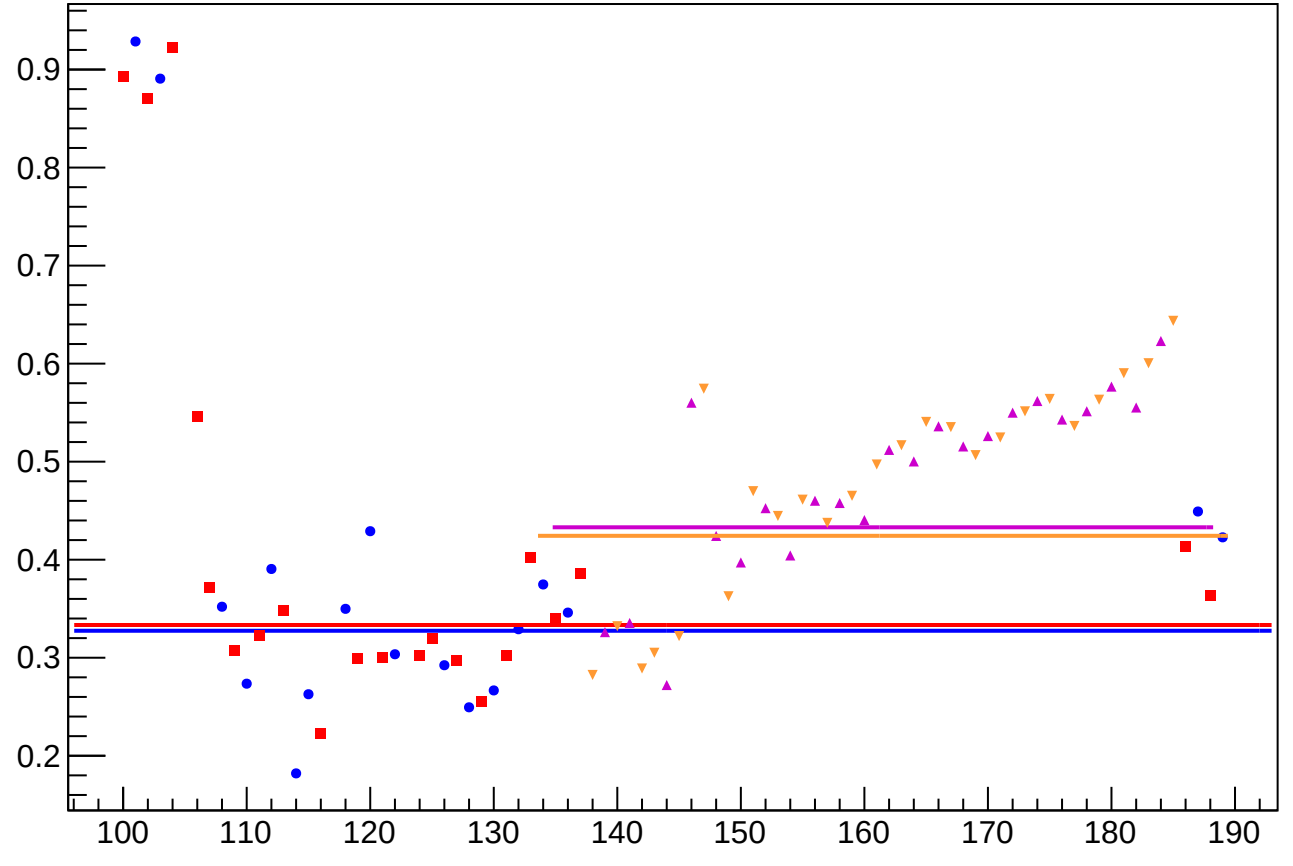
Right: 142.875+/-0.000 χ^2/NDF: 11325146765.9/38

In: 146.170+/-0.000 χ^2/NDF:4485467838.6/40

Out: 145.372+/-0.000 χ^2/NDF:8920884300.5/45

All: 145.754+/-0.000 χ^2/NDF: 13456452610.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF: 1474417.9/17

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.333+/-0.000 χ^2/NDF: 1349855.1/20

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

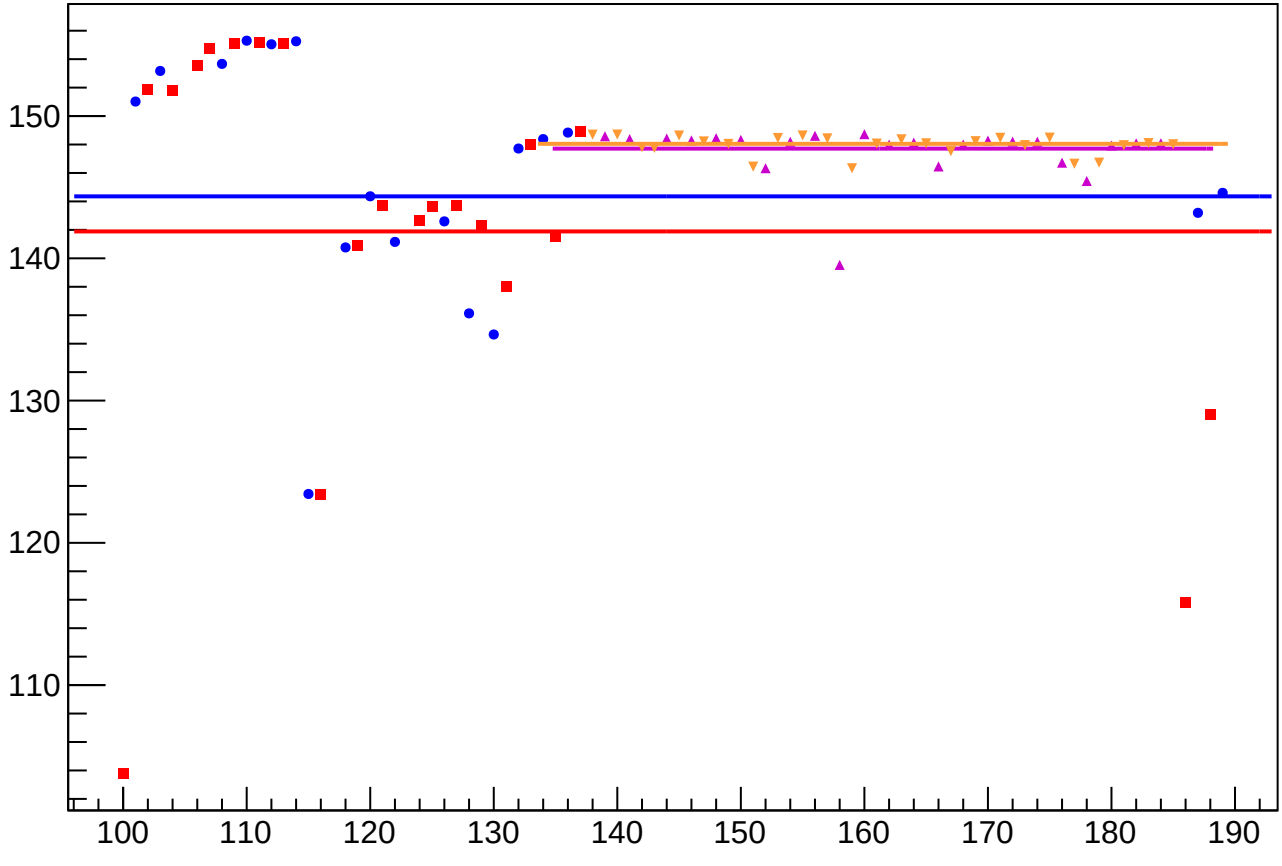
Right: 0.331+/-0.000 χ^2/NDF: 2826472.1/38

In: 0.390+/-0.000 χ^2/NDF:4056634.0/40

Out: 0.388+/-0.000 χ^2/NDF:4265363.2/45

All: 0.389+/-0.000 χ^2/NDF: 8323149.8/86

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.355+/-0.000 χ^2/NDF: 3759899101.3/17

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 141.890+/-0.000 χ^2/NDF: 7301780575.8/20

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

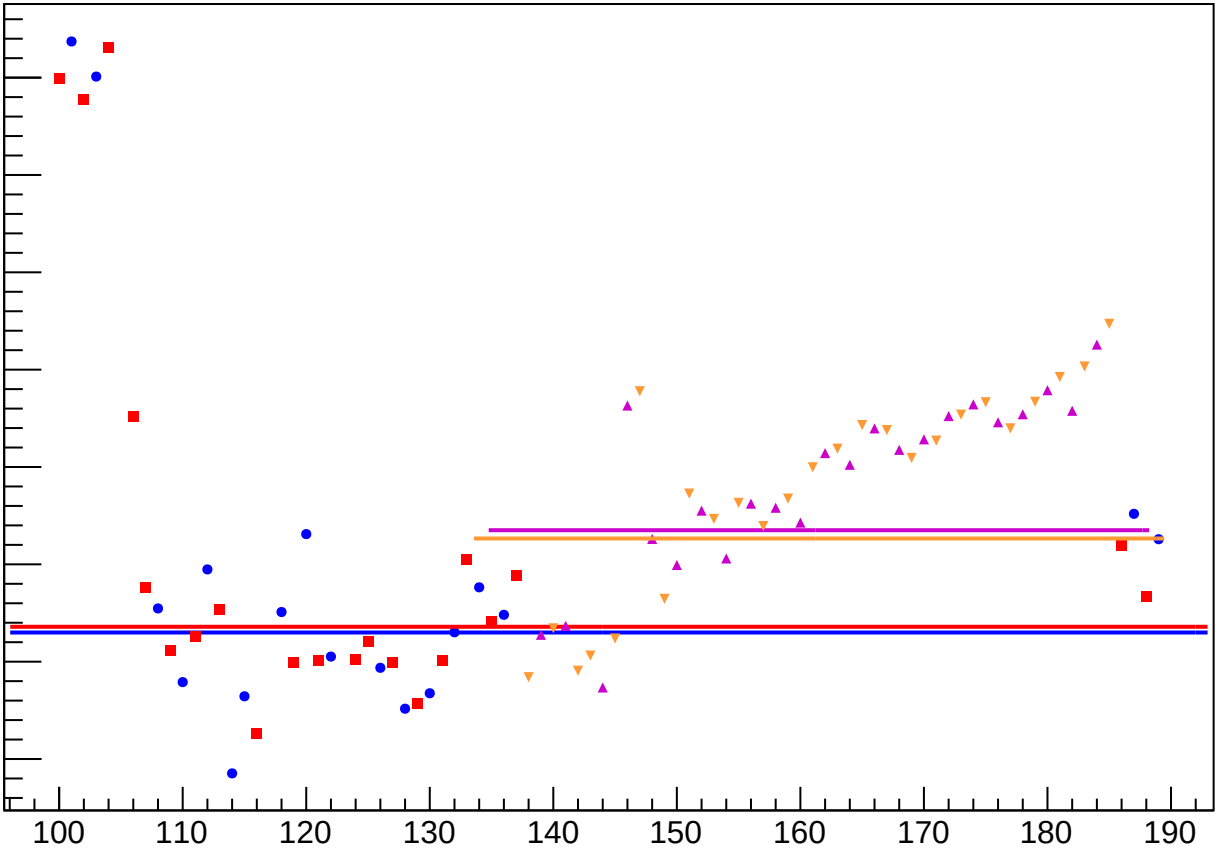
Right: 143.073+/-0.000 χ^2/NDF: 11252320289.4/38

In: 146.357+/-0.000 χ^2/NDF:4476551347.3/40

Out: 145.569+/-0.000 χ^2/NDF:8828265668.2/45

All: 145.946+/-0.000 χ^2/NDF: 13353101453.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF: 1470203.5/17

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.336+/-0.000 χ^2/NDF: 1352873.5/20

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

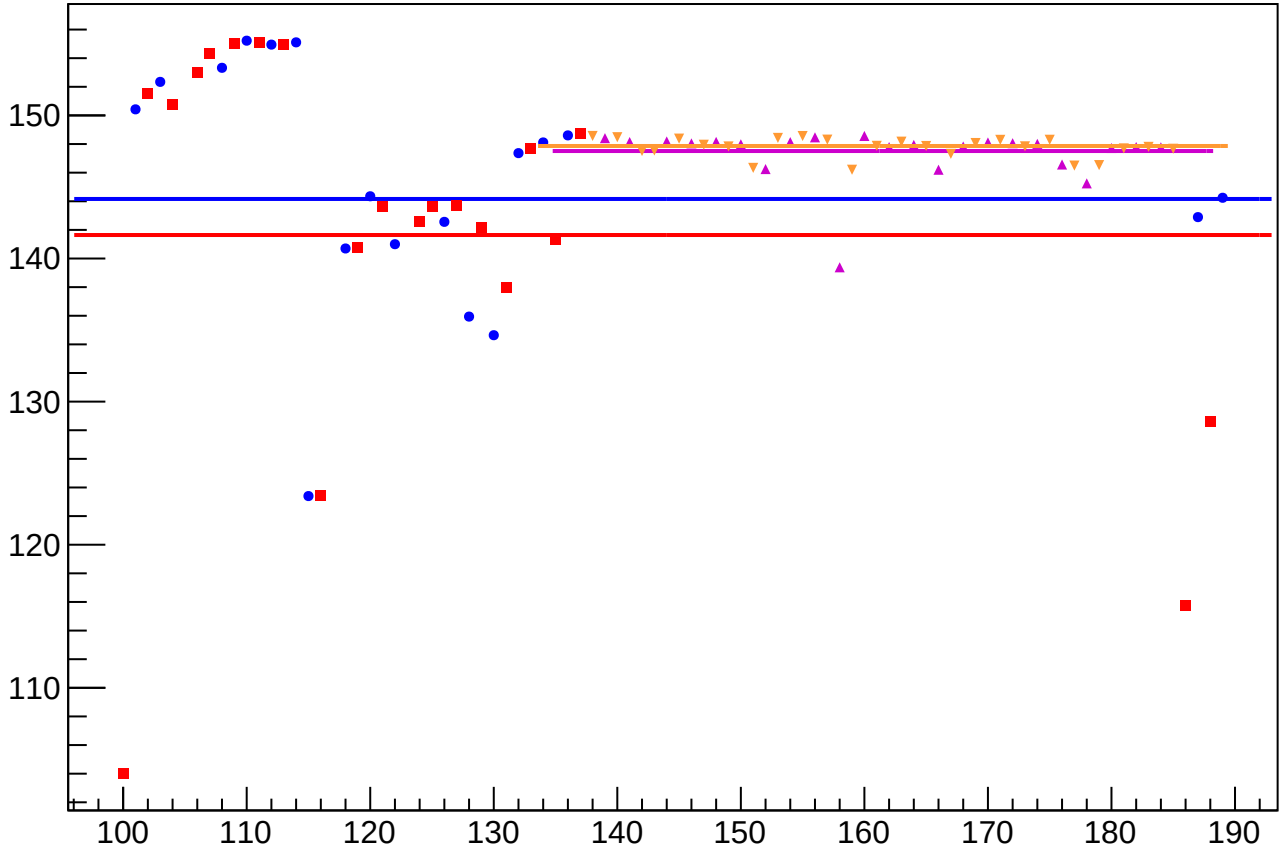
Right: 0.333+/-0.000 χ^2/NDF: 2825251.5/38

In: 0.393+/-0.000 χ^2/NDF:4034169.5/40

Out: 0.390+/-0.000 χ^2/NDF:4252867.3/45

All: 0.391+/-0.000 χ^2/NDF: 8288107.8/86

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.162+/-0.000 χ^2/NDF: 3726122611.2/17

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.642+/-0.000 χ^2/NDF: 7391814143.2/20

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

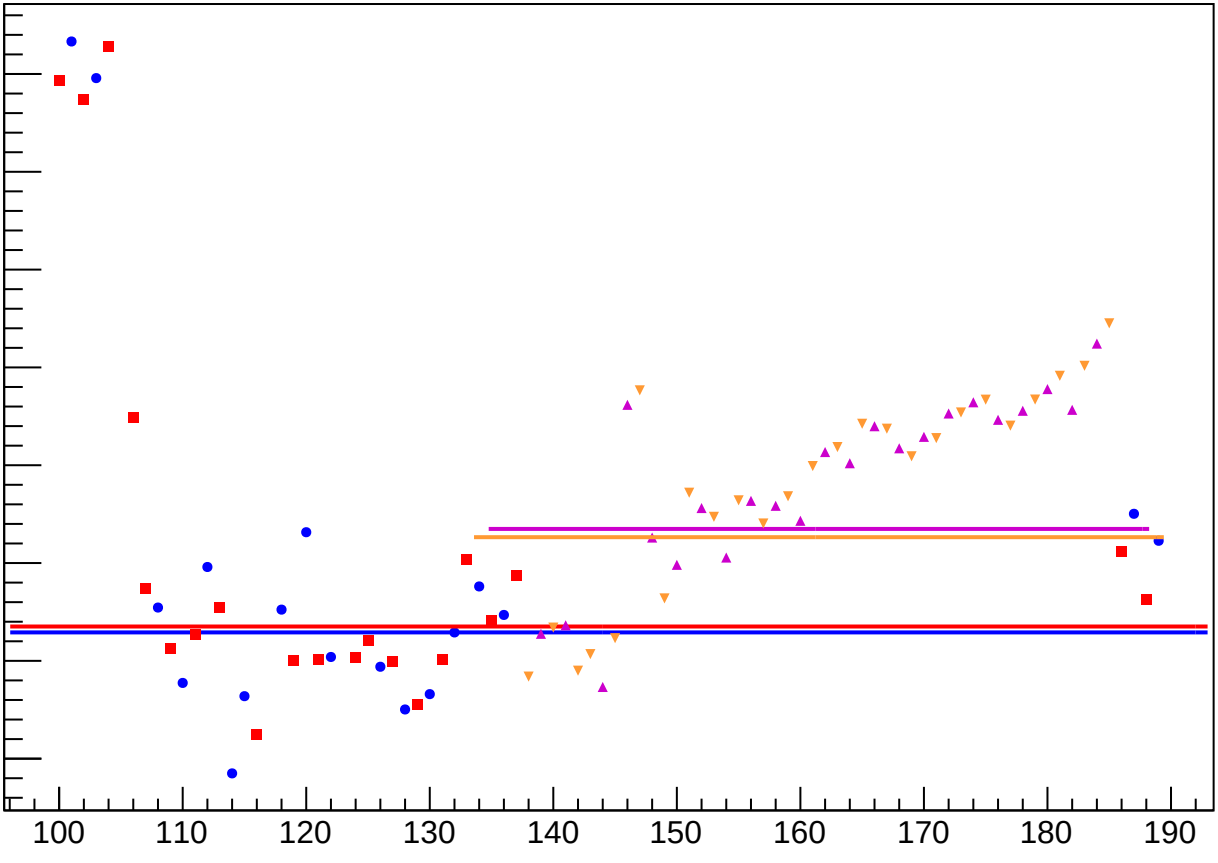
Right: 142.851+/-0.000 χ^2/NDF: 11318044040.3/38

In: 146.156+/-0.000 χ^2/NDF:4437346711.2/40

Out: 145.352+/-0.000 χ^2/NDF:8953464581.3/45

All: 145.737+/-0.000 χ^2/NDF: 13441289294.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF: 1472196.2/17

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.335+/-0.000 χ^2/NDF: 1346786.9/20

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

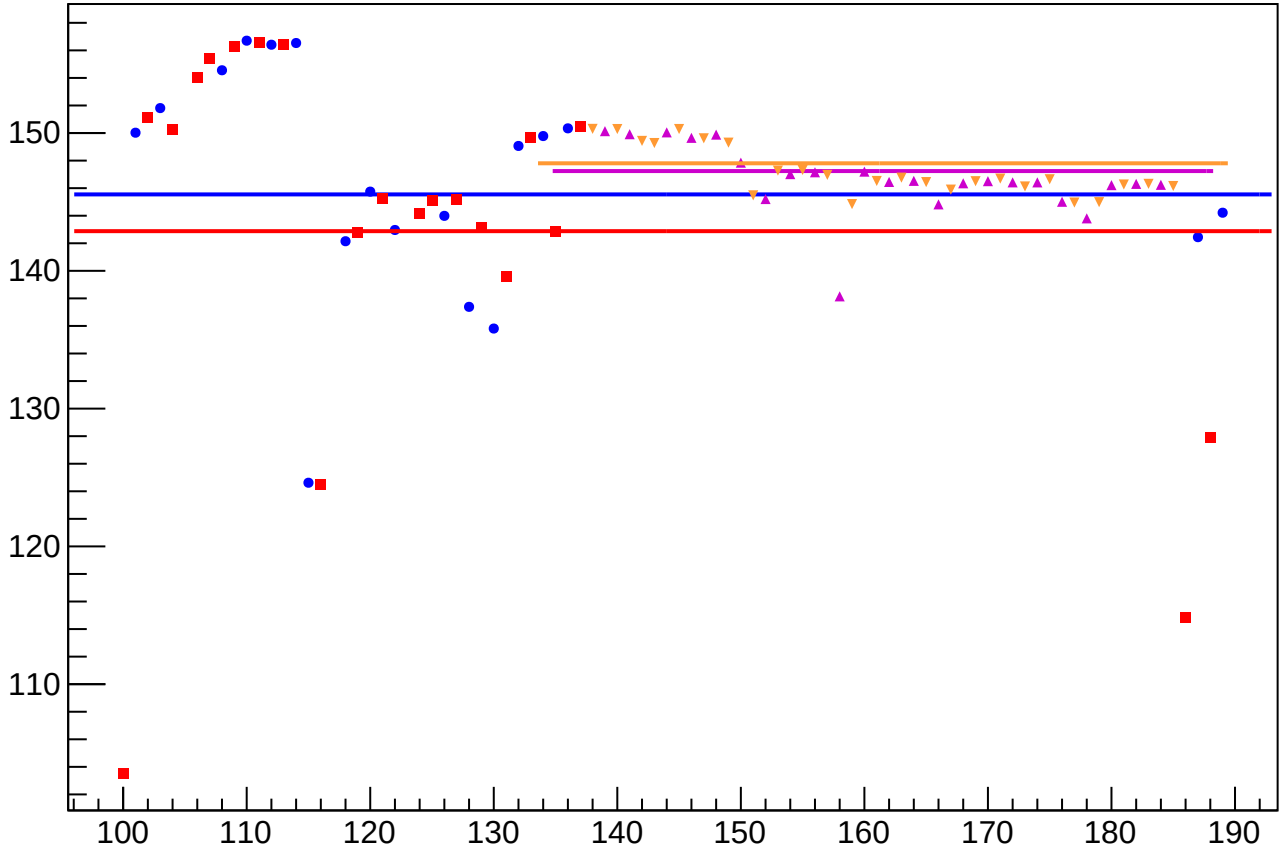
Right: 0.332+/-0.000 χ^2/NDF: 2821275.3/38

In: 0.392+/-0.000 χ^2/NDF:4054841.2/40

Out: 0.390+/-0.000 χ^2/NDF:4259372.7/45

All: 0.391+/-0.000 χ^2/NDF: 8315211.1/86

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.547+/-0.000 χ^2/NDF: 3494270516.4/17

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 142.879+/-0.000 χ^2/NDF: 7565030123.0/20

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

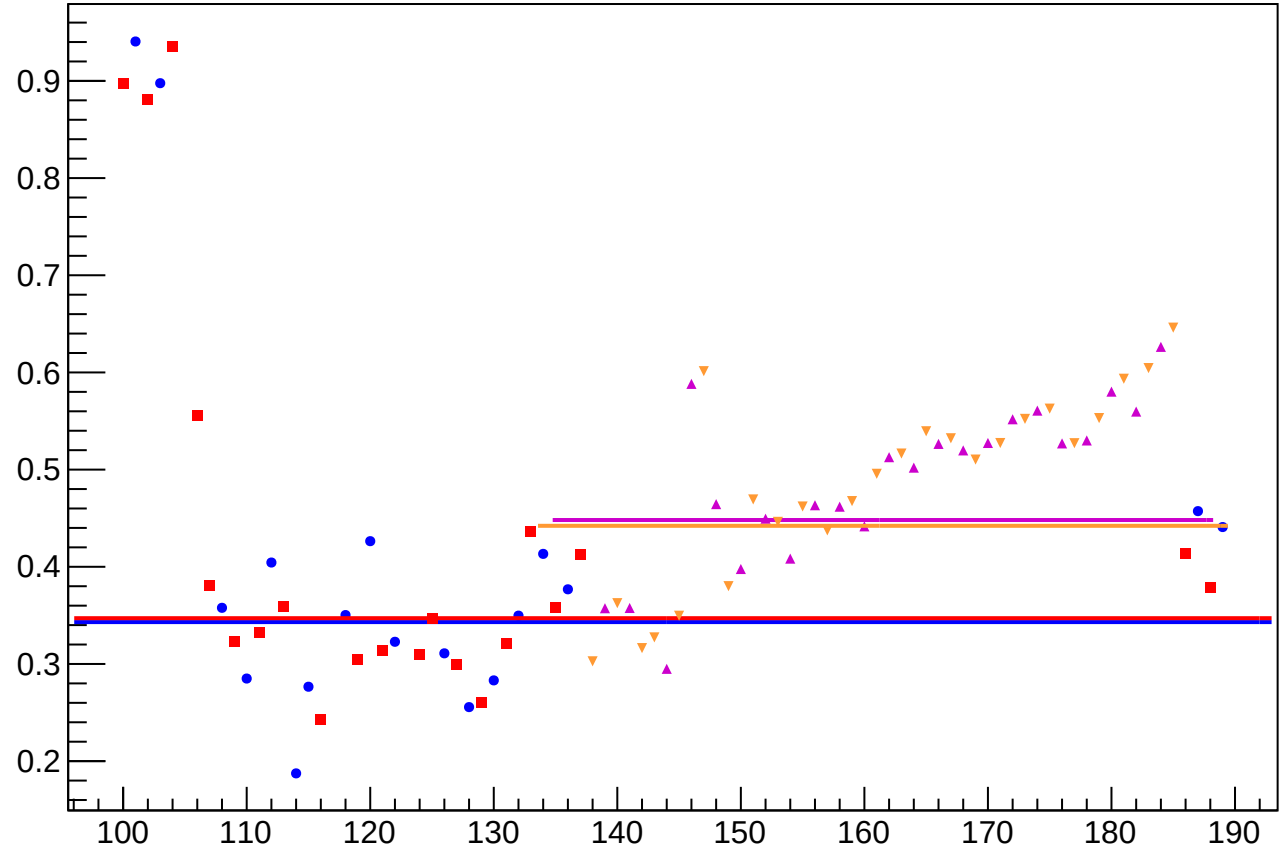
Right: 144.150+/-0.000 χ^2/NDF: 11266762489.1/38

In: 146.570+/-0.000 χ^2/NDF:4209556366.1/40

Out: 145.830+/-0.000 χ^2/NDF:8781298874.8/45

All: 146.185+/-0.000 χ^2/NDF: 13031004545.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.343+/-0.000 χ^2/NDF: 1442863.6/17

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.347+/-0.000 χ^2/NDF: 1312492.5/20

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

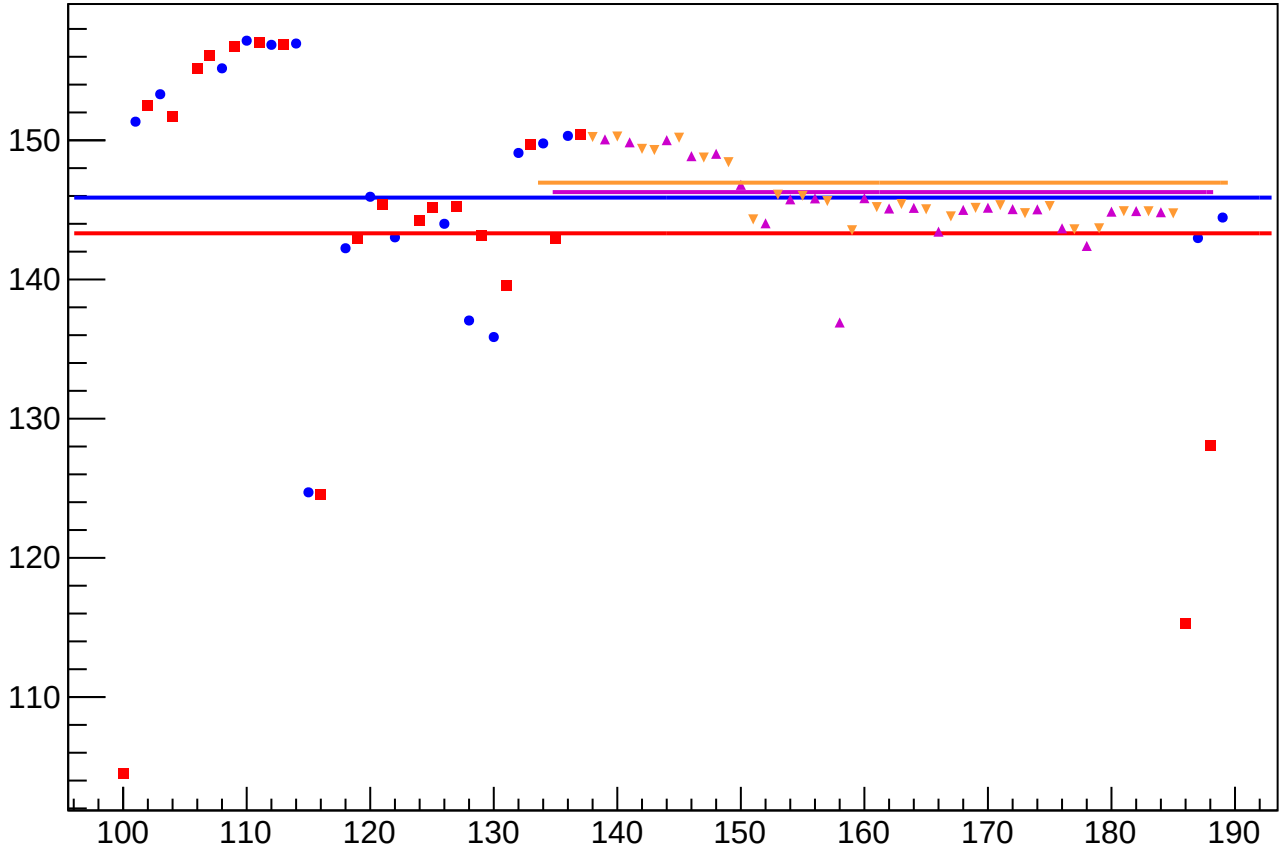
Right: 0.345+/-0.000 χ^2/NDF: 2756299.9/38

In: 0.407+/-0.000 χ^2/NDF:3533518.6/40

Out: 0.404+/-0.000 χ^2/NDF:3679275.2/45

All: 0.405+/-0.000 χ^2/NDF: 7213707.5/86

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.883+/-0.000 χ^2/NDF: 3633669343.1/17

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.317+/-0.000 χ^2/NDF: 7649370914.2/20

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

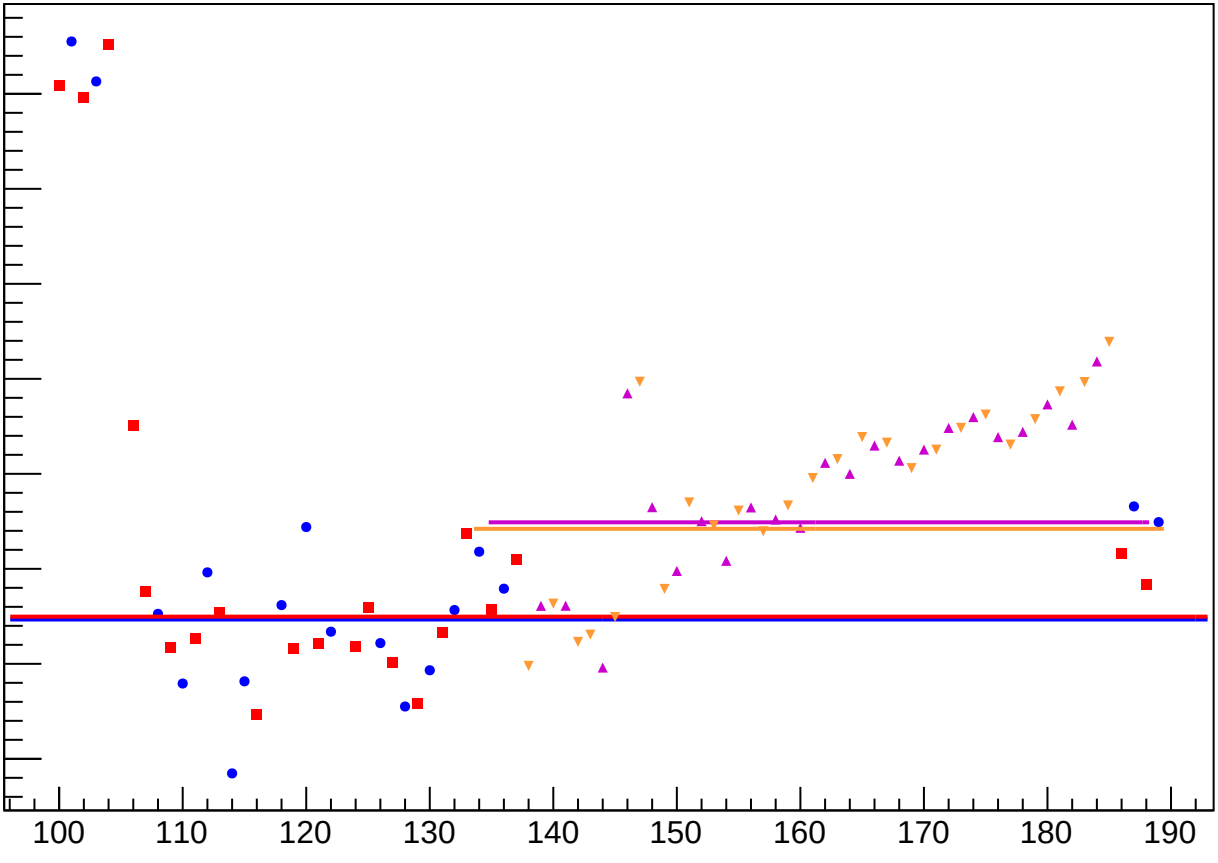
Right: 144.535+/-0.000 χ^2/NDF: 11470990926.8/38

In: 146.123+/-0.000 χ^2/NDF:4464002772.9/40

Out: 145.512+/-0.000 χ^2/NDF:8672581928.8/45

All: 145.805+/-0.000 χ^2/NDF: 13163717959.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.347+/-0.000 χ^2/NDF: 1469167.3/17

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.350+/-0.000 χ^2/NDF: 1309917.2/20

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

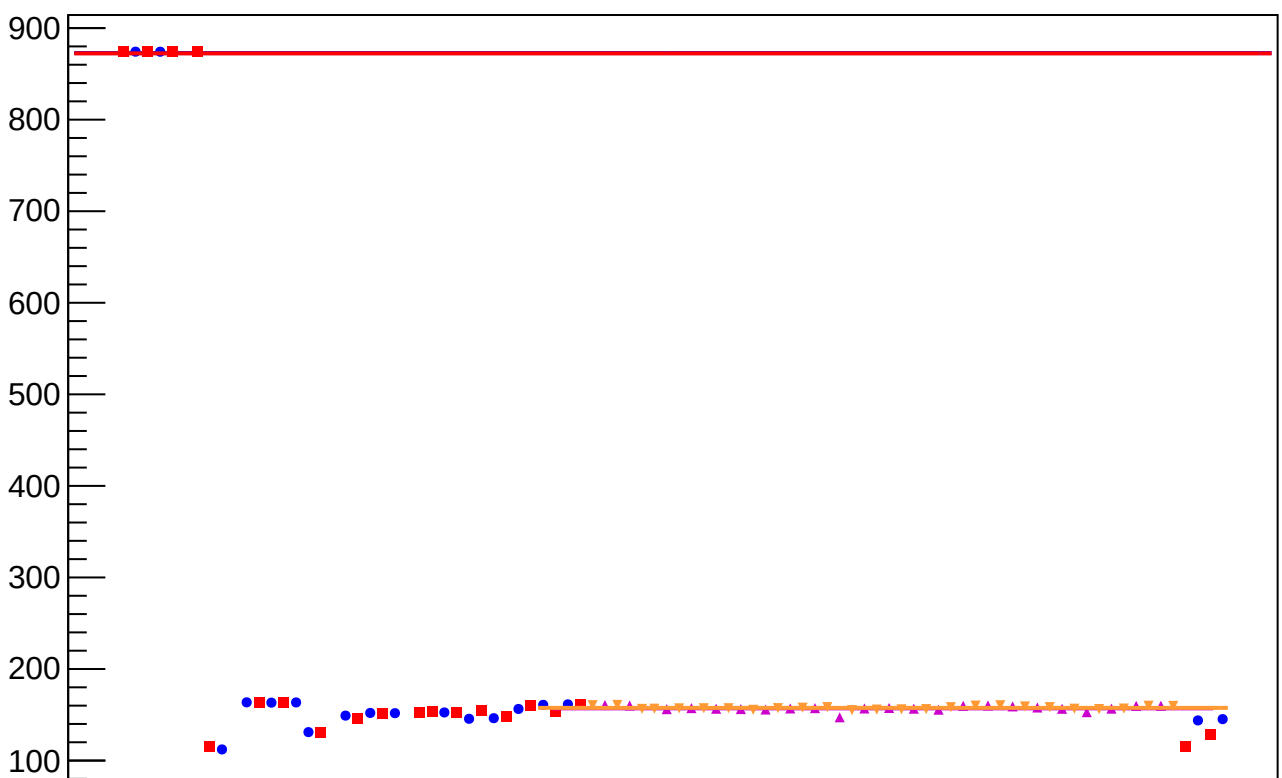
Right: 0.348+/-0.000 χ^2/NDF: 2779597.1/38

In: 0.409+/-0.000 χ^2/NDF:3462880.4/40

Out: 0.405+/-0.000 χ^2/NDF:3606895.4/45

All: 0.407+/-0.000 χ^2/NDF: 7071614.6/86

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.716+/-0.000 χ^2/NDF: 7740286060919.9/17

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.402+/-0.000 χ^2/NDF: 108455929626660.7/20

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

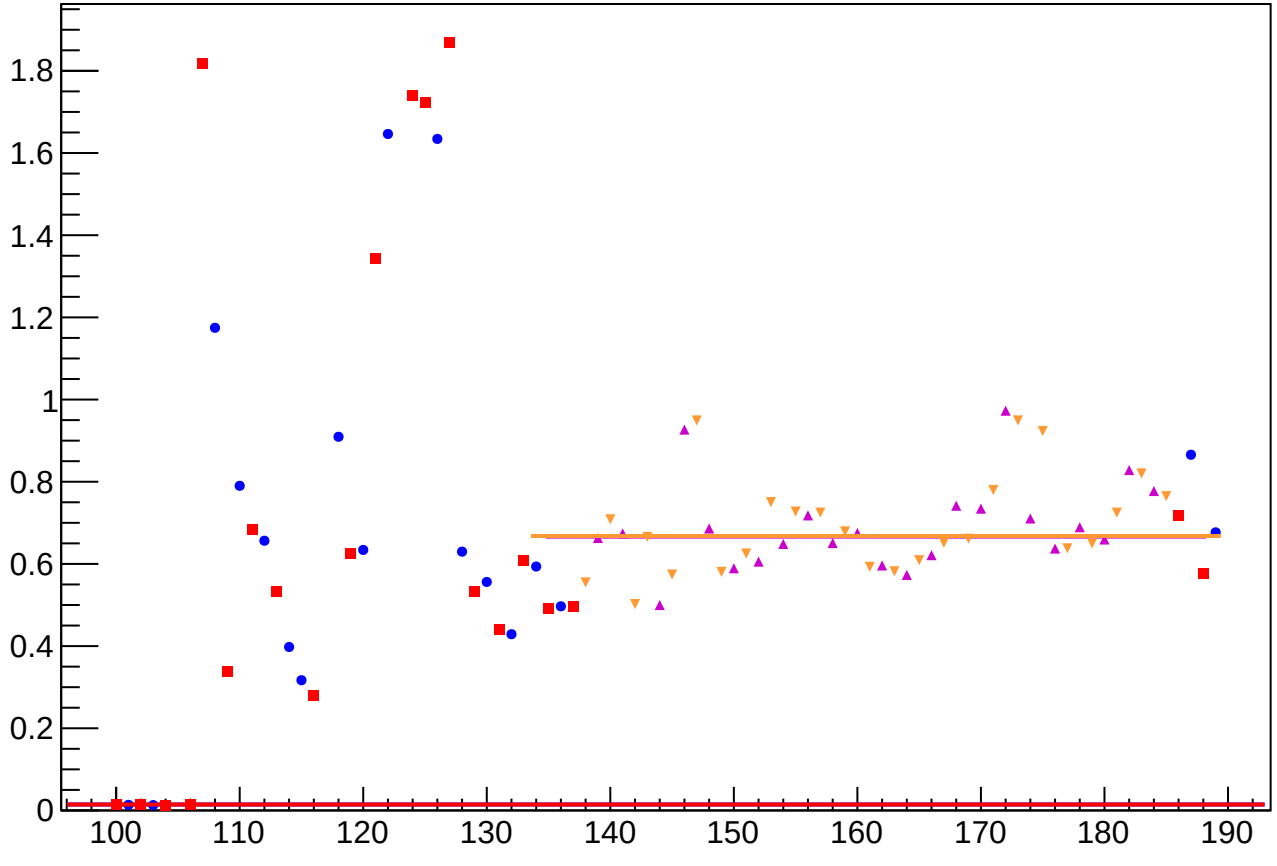
Right: 872.548+/-0.000 χ^2/NDF: 18586255391825.

In: 869.476+/-0.000 χ^2/NDF:24266126999423.0/

Out: 869.465+/-0.000 χ^2/NDF:28087268534056.0

All: 869.470+/-0.000 χ^2/NDF: 523533959847

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 10641033.3/17

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 11515835.2/20

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

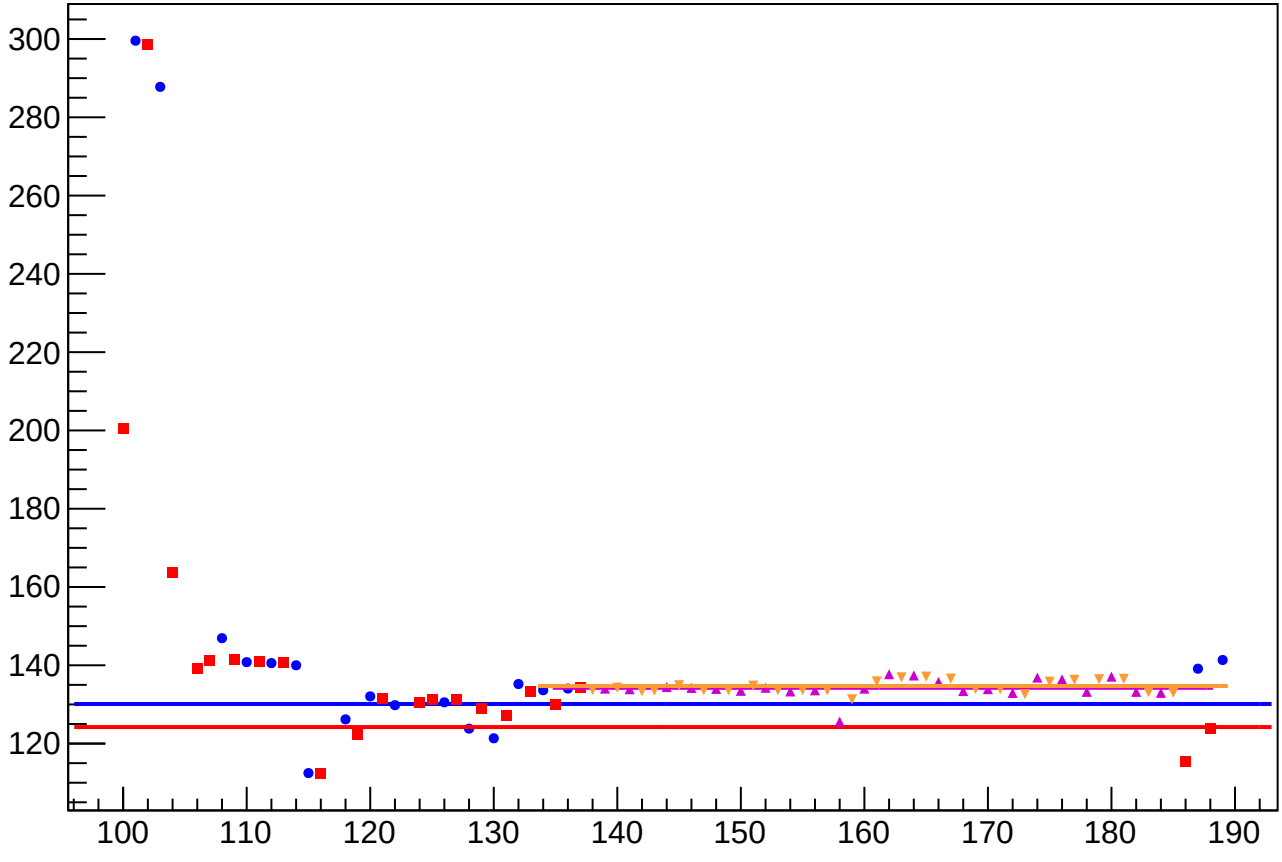
Right: 0.014+/-0.000 χ^2/NDF: 22156873.8/38

In: 0.017+/-0.000 χ^2/NDF:38604879.7/40

Out: 0.017+/-0.000 χ^2/NDF:41018592.3/45

All: 0.017+/-0.000 χ^2/NDF: 79624130.6/86

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 130.111+/-0.000 χ^2/NDF: 1890053541.3/17

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.222+/-0.000 χ^2/NDF: 1483716148.2/20

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

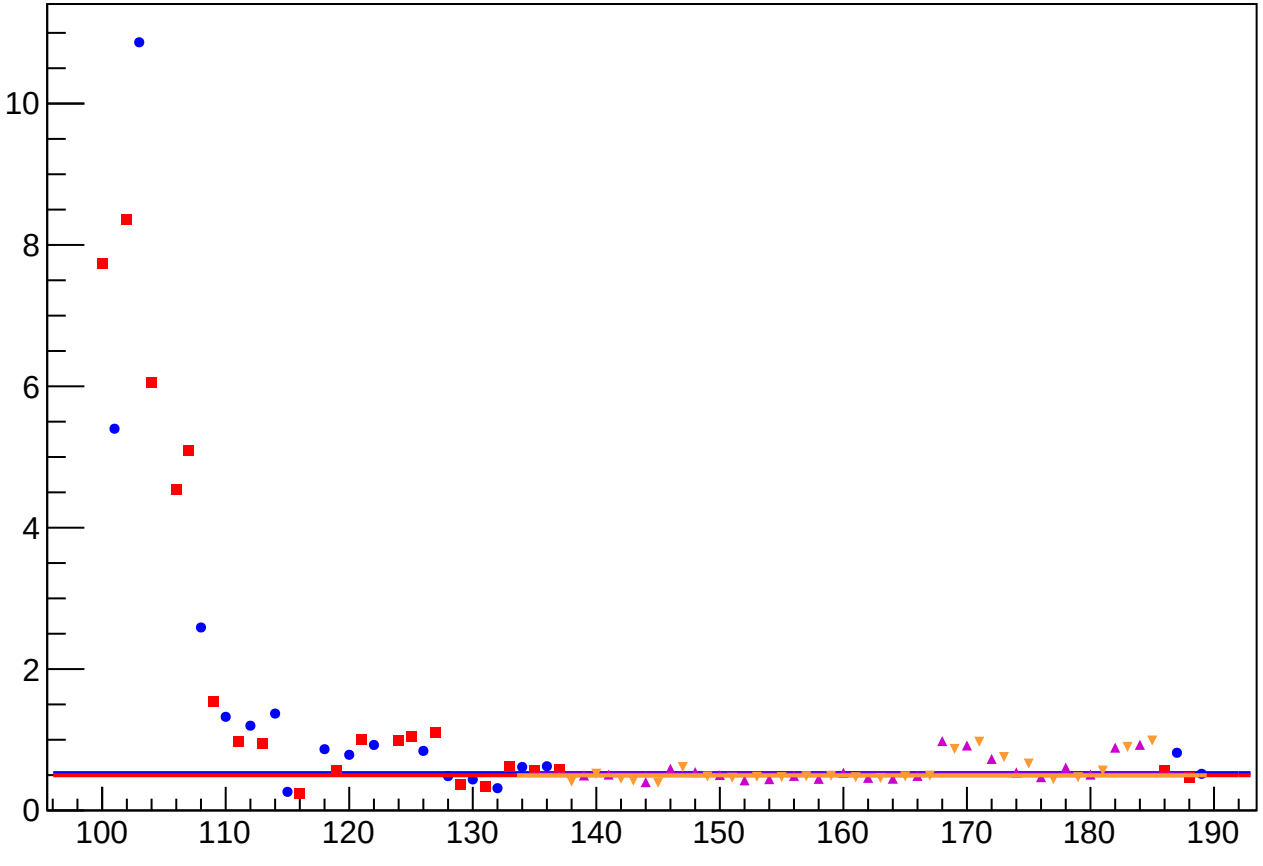
Right: 126.852+/-0.000 χ^2/NDF: 3663473240.7/38

In: 133.423+/-0.000 χ^2/NDF:2538390015.5/40

Out: 132.422+/-0.000 χ^2/NDF:3252655614.3/45

All: 132.891+/-0.000 χ^2/NDF: 5831261651.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.528+/-0.000 χ^2/NDF: 4178558.0/17

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.498+/-0.000 χ^2/NDF: 4899972.8/20

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

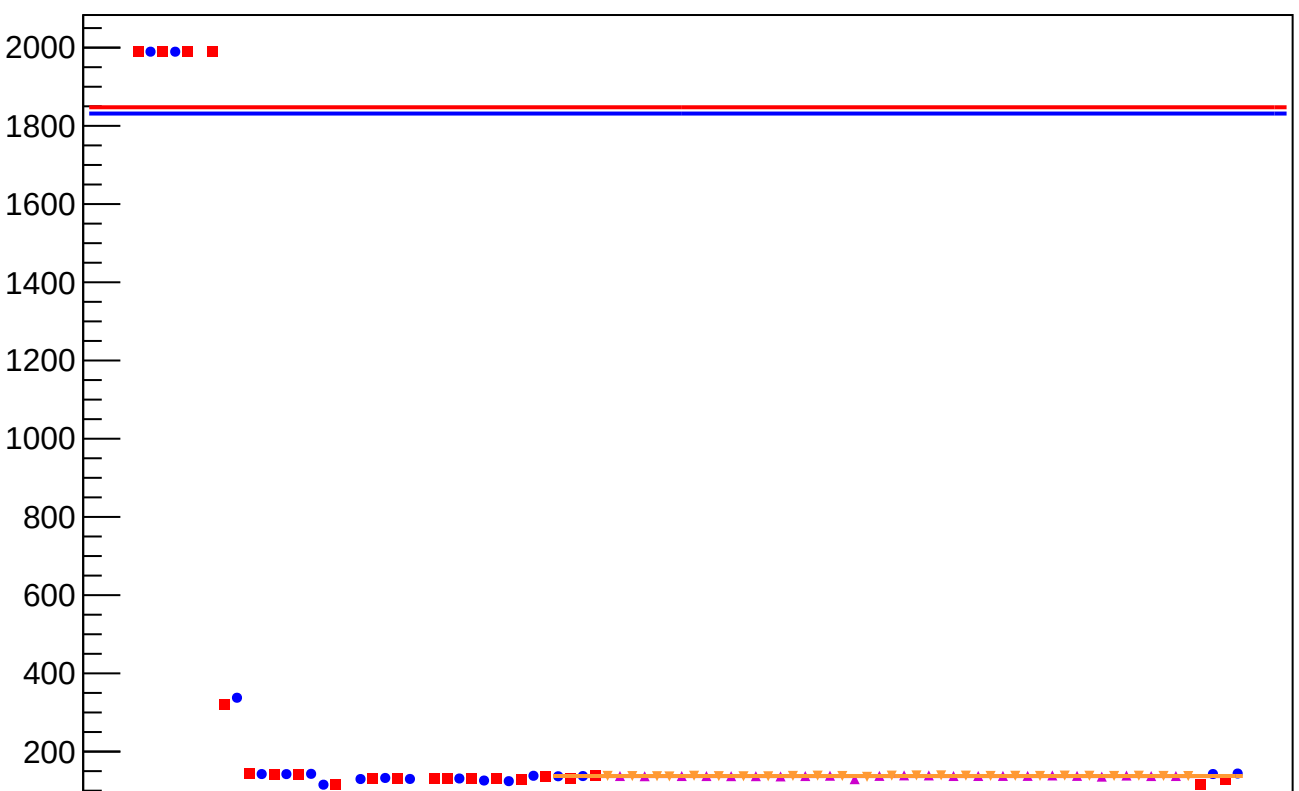
Right: 0.511+/-0.000 χ^2/NDF: 9093595.4/38

In: 0.513+/-0.000 χ^2/NDF:5672294.4/40

Out: 0.497+/-0.000 χ^2/NDF:6472522.5/45

All: 0.505+/-0.000 χ^2/NDF: 12165678.1/86

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1831.452+/-0.000 χ^2/NDF: 153974209549040.8/17

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1847.526+/-0.000 χ^2/NDF: 164150797563574.0/20

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

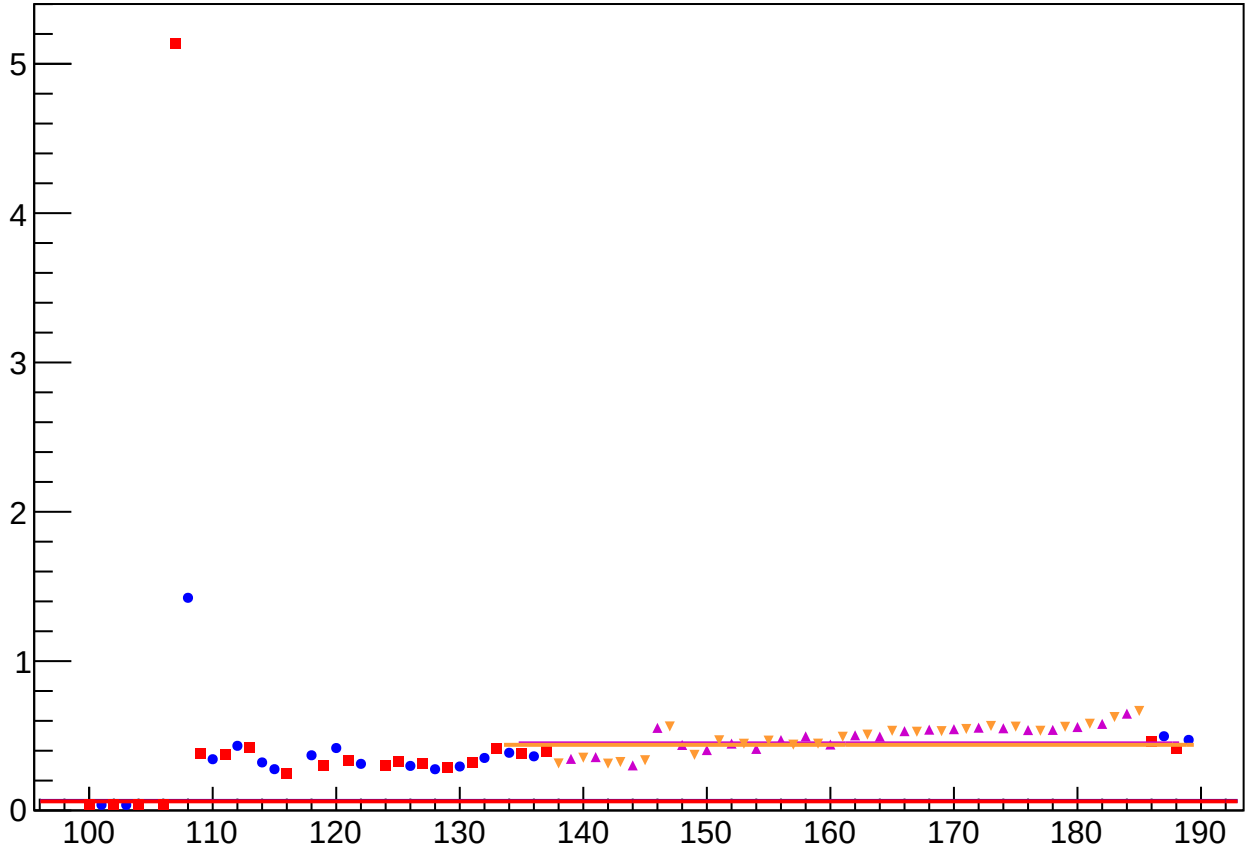
Right: 1840.134+/-0.000 χ^2/NDF: 31820498322816

In: 1612.922+/-0.000 χ^2/NDF:366158795088446.

Out: 1640.240+/-0.000 χ^2/NDF:402714755895305

All: 1627.616+/-0.000 χ^2/NDF: 7691376956

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 9146757.5/17

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.061+/-0.000 χ^2/NDF: 9665292.0/20

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

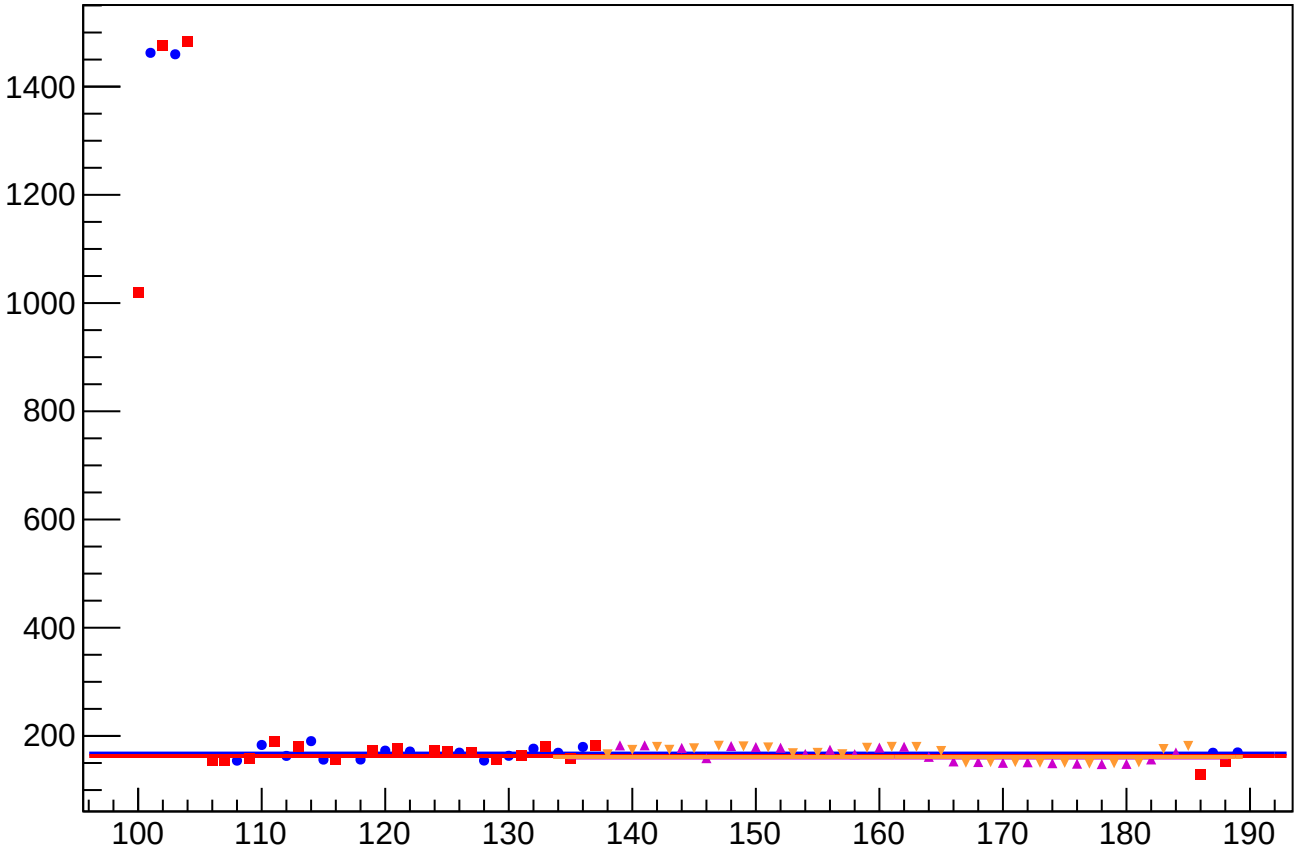
Right: 0.062+/-0.000 χ^2/NDF: 18816317.3/38

In: 0.114+/-0.000 χ^2/NDF:32455627.8/40

Out: 0.107+/-0.000 χ^2/NDF:34791684.7/45

All: 0.110+/-0.000 χ^2/NDF: 67277032.6/86

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.392+/-0.000 χ^2/NDF: 14619817483.4/17

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 162.943+/-0.000 χ^2/NDF: 17303429949.2/20

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

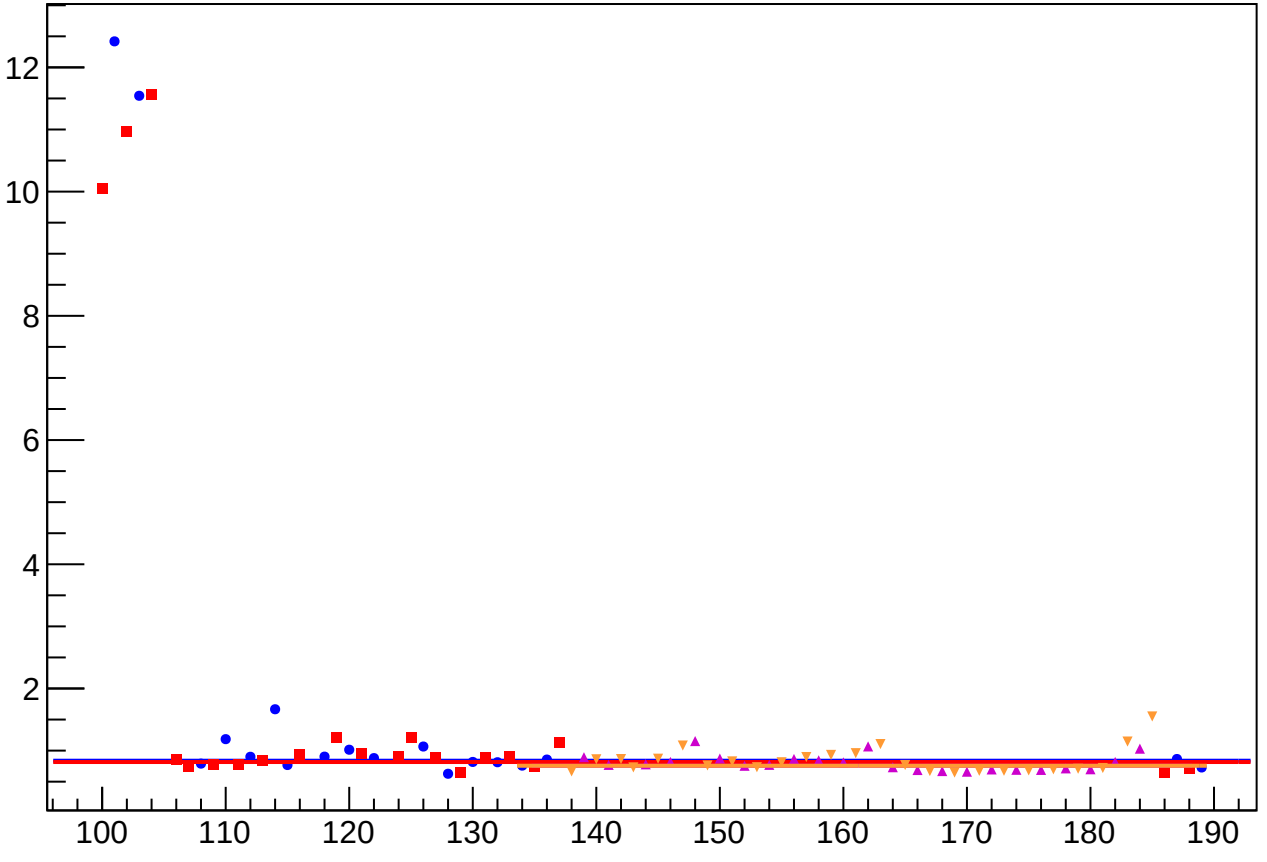
Right: 164.957+/-0.000 χ^2/NDF: 31991163855.1/38

In: 161.662+/-0.000 χ^2/NDF:18618701917.8/40

Out: 161.571+/-0.000 χ^2/NDF:21061149494.6/45

All: 161.615+/-0.000 χ^2/NDF: 39679979638.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.837+/-0.000 χ^2/NDF: 2324360.7/17

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.816+/-0.000 χ^2/NDF: 2301023.3/20

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

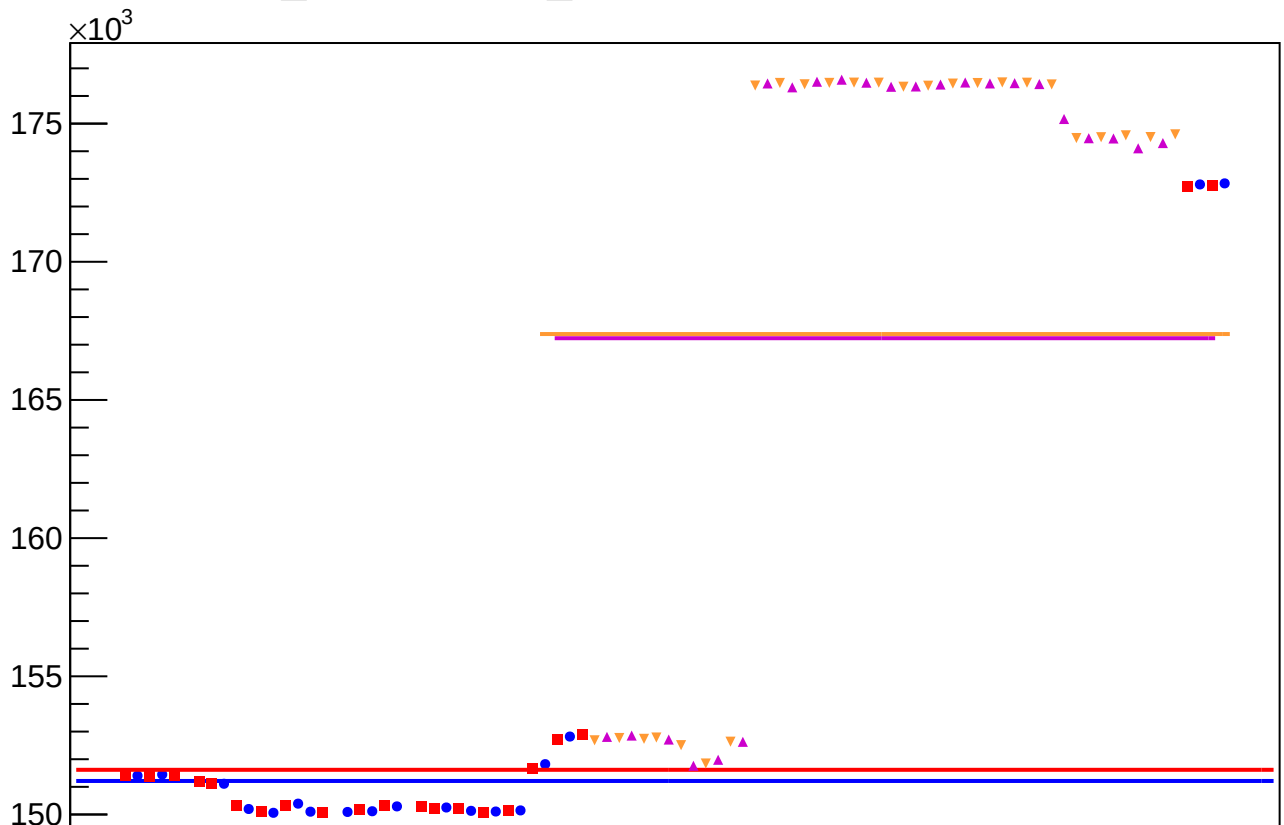
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.826+/-0.000 χ^2/NDF: 4628391.9/38

In: 0.773+/-0.000 χ^2/NDF:2863331.9/40

Out: 0.770+/-0.000 χ^2/NDF:3092865.4/45

All: 0.772+/-0.000 χ^2/NDF: 5956339.4/86



Right In: 151212.768+/-0.054 χ^2/NDF: 5044604678.4/17

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151616.751+/-0.050 χ^2/NDF: 9203628484.8/20

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

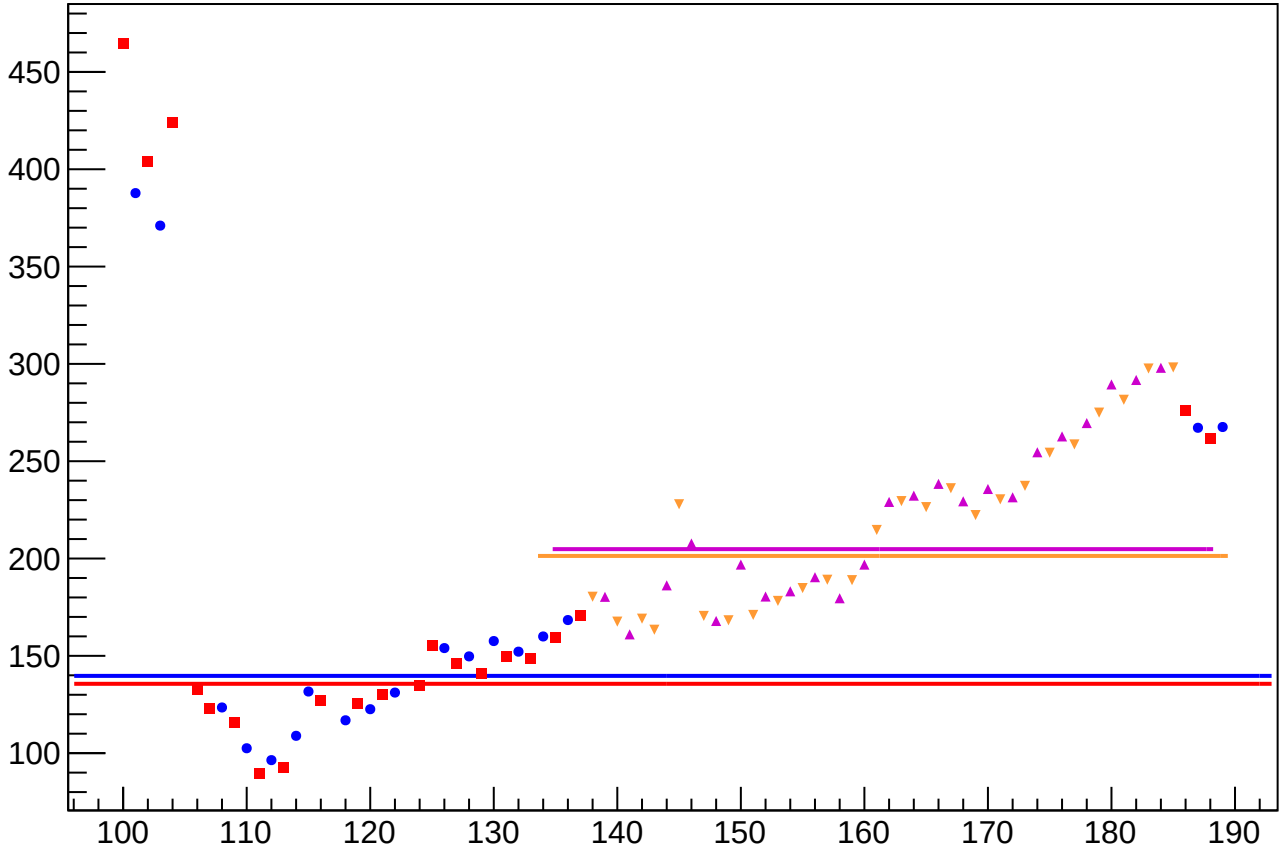
Right: 151430.571+/-0.037 χ^2/NDF: 14278615848.5

In: 159993.157+/-0.036 χ^2/NDF:108719047580.2

Out: 159994.560+/-0.034 χ^2/NDF:122171376839.

All: 159993.901+/-0.025 χ^2/NDF: 23089042

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 139.704+/-0.038 χ^2/NDF: 1752274.6/17

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 135.630+/-0.035 χ^2/NDF: 2299519.4/20

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

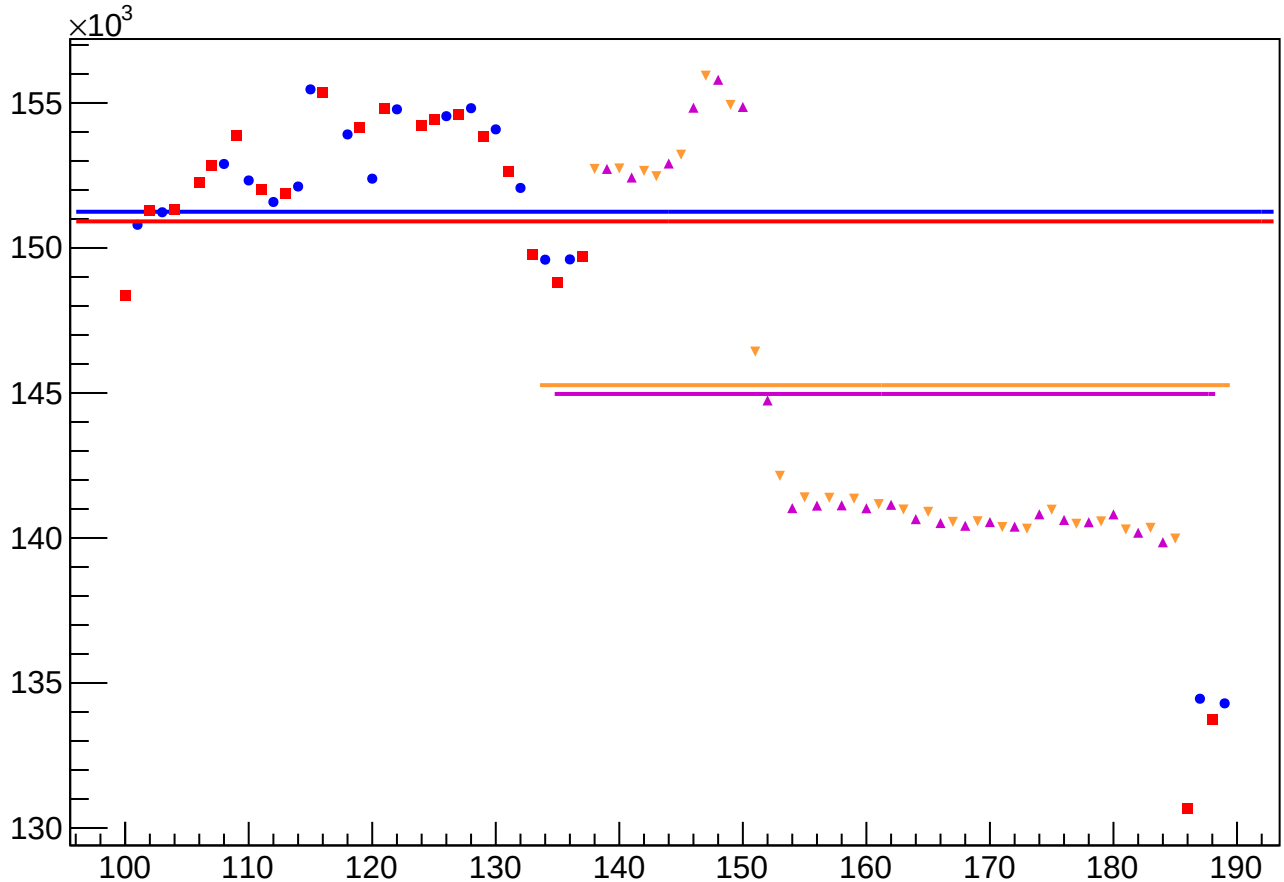
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 137.508+/-0.026 χ^2/NDF: 4057971.3/38

In: 175.393+/-0.026 χ^2/NDF:4410499.7/40

Out: 170.535+/-0.024 χ^2/NDF:5382856.8/45

All: 172.818+/-0.018 χ^2/NDF: 9812471.1/86



Right In: 151249.437+/-0.070 χ^2/NDF: 5137757260.5/17

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150917.021+/-0.063 χ^2/NDF: 9299088405.1/20

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

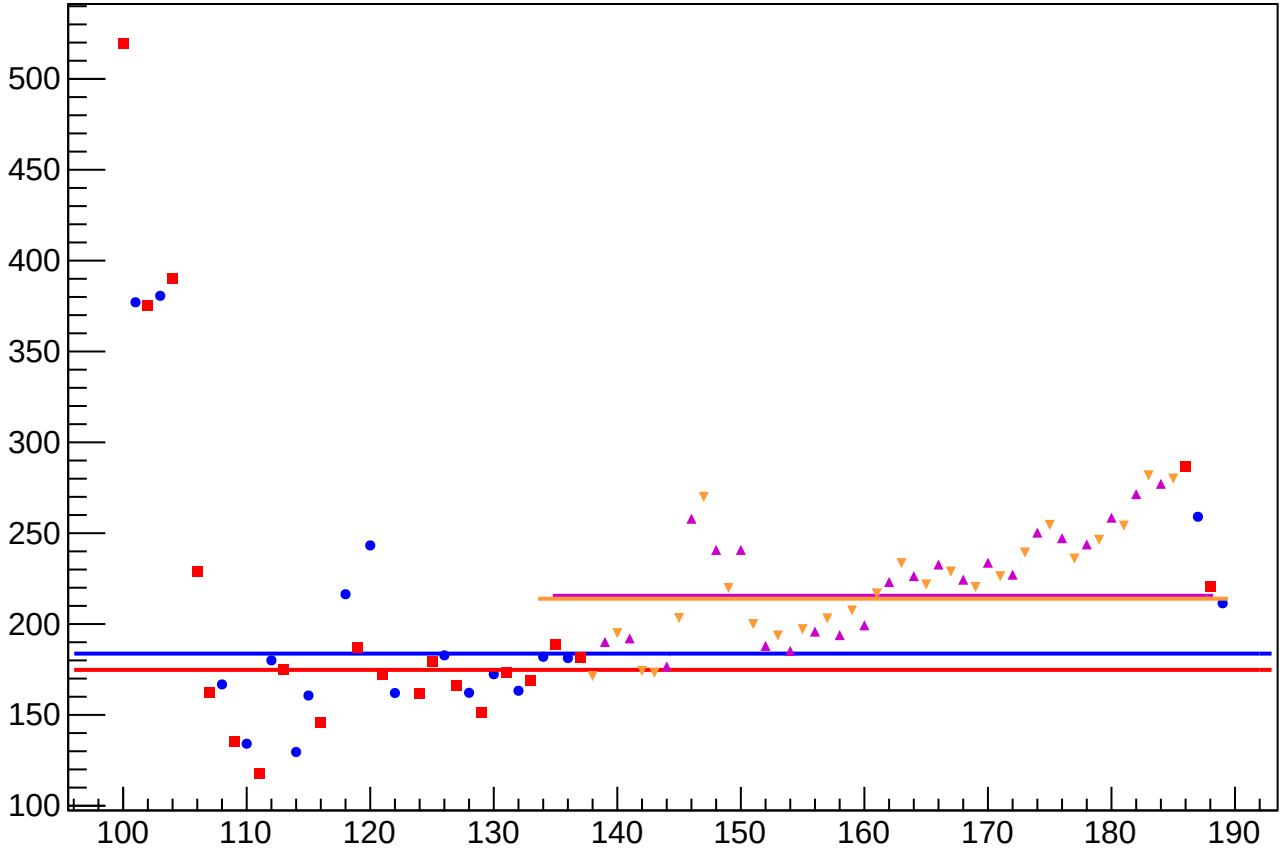
Right: 151066.684+/-0.047 χ^2/NDF: 14449250002.

In: 147157.189+/-0.041 χ^2/NDF:23542297329.4/4

Out: 147405.443+/-0.039 χ^2/NDF:27949744463.0

All: 147288.667+/-0.028 χ^2/NDF: 51511154

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 183.738+/-0.049 χ^2/NDF: 959467.7/17

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 174.781+/-0.045 χ^2/NDF: 1314837.0/20

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

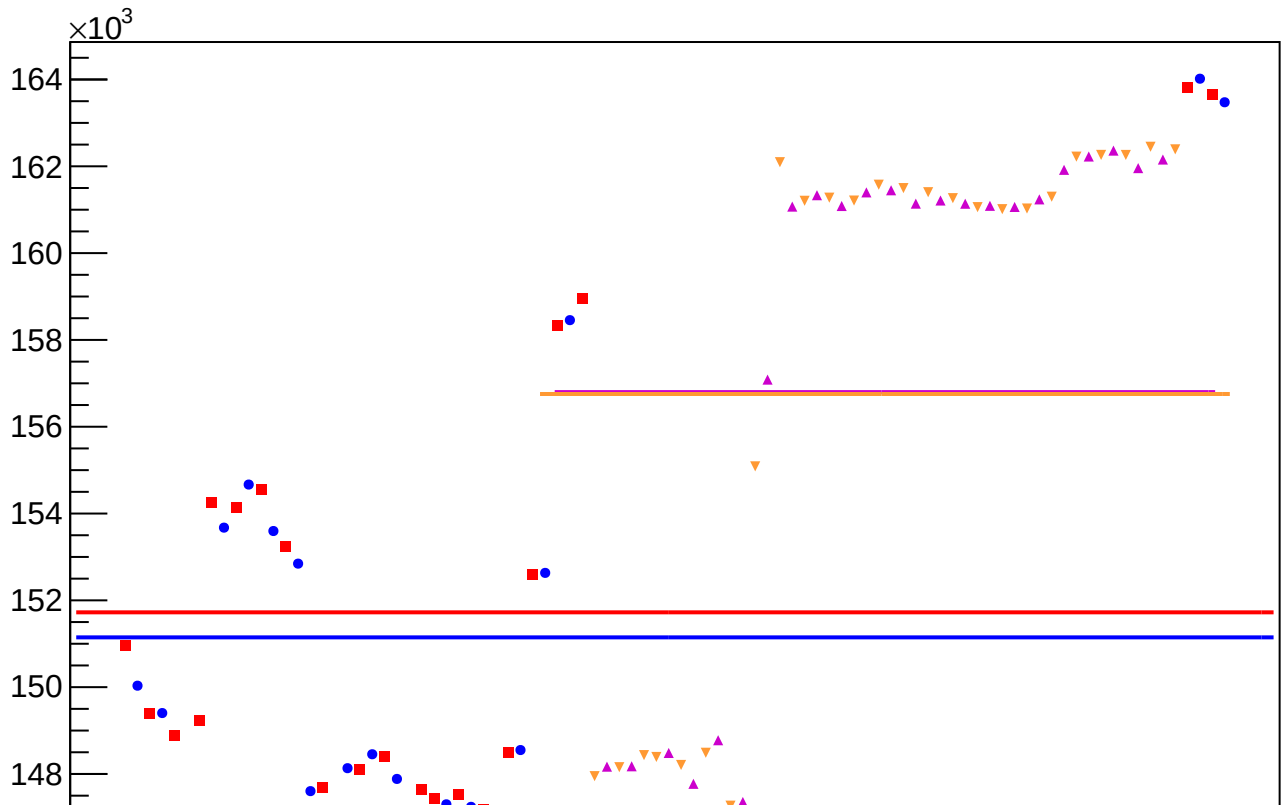
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 178.814+/-0.033 χ^2/NDF: 2292319.2/38

In: 204.450+/-0.029 χ^2/NDF:1829017.4/40

Out: 199.138+/-0.028 χ^2/NDF:2441214.8/45

All: 201.637+/-0.020 χ^2/NDF: 4287736.4/86



Right In: 151147.167+/-0.062 χ^2/NDF: 4632204751.3/17

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151723.857+/-0.058 χ^2/NDF: 5767040452.2/20

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

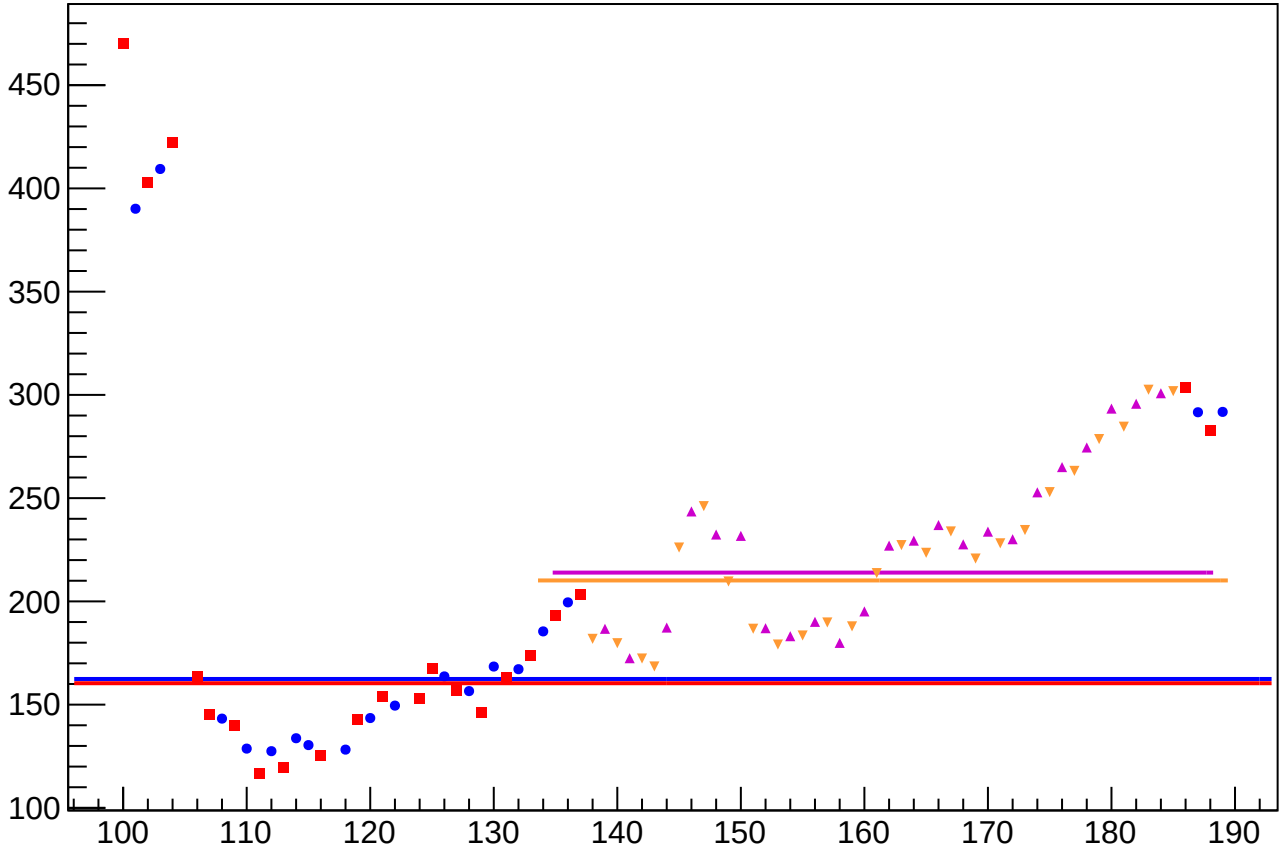
Right: 151452.371+/-0.042 χ^2/NDF: 10445210186.

In: 154514.842+/-0.039 χ^2/NDF:23946102436.1/4

Out: 154692.400+/-0.037 χ^2/NDF:26531960439.5

All: 154608.177+/-0.027 χ^2/NDF: 50488774

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 162.429+/-0.044 χ^2/NDF: 1485472.9/17

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 160.371+/-0.041 χ^2/NDF: 1832487.4/20

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

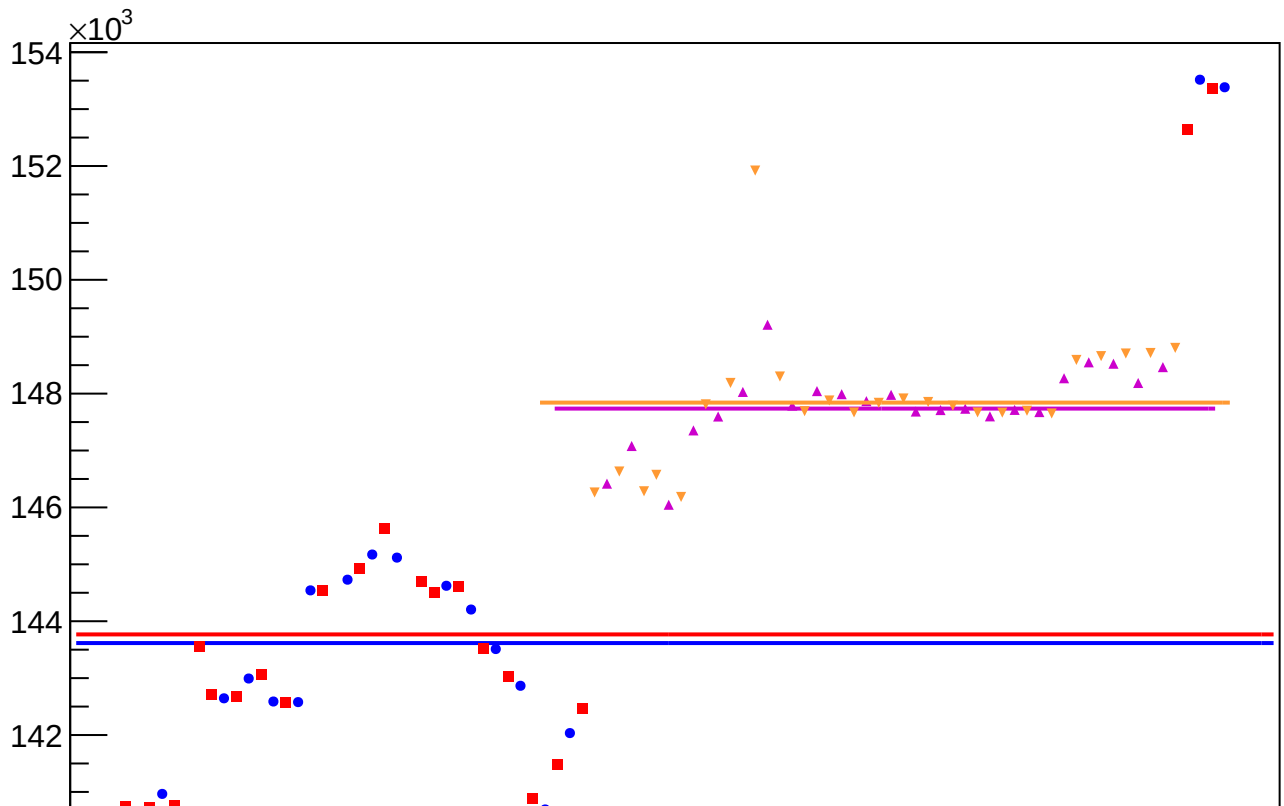
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 161.340+/-0.030 χ^2/NDF: 3319130.8/38

In: 193.130+/-0.028 χ^2/NDF:3226045.1/40

Out: 189.742+/-0.026 χ^2/NDF:3688642.4/45

All: 191.349+/-0.019 χ^2/NDF: 6922489.2/86



Right In: 143616.184+/-0.052 χ^2/NDF: 1620481427.3/17

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 143768.244+/-0.048 χ^2/NDF: 2545385884.3/20

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

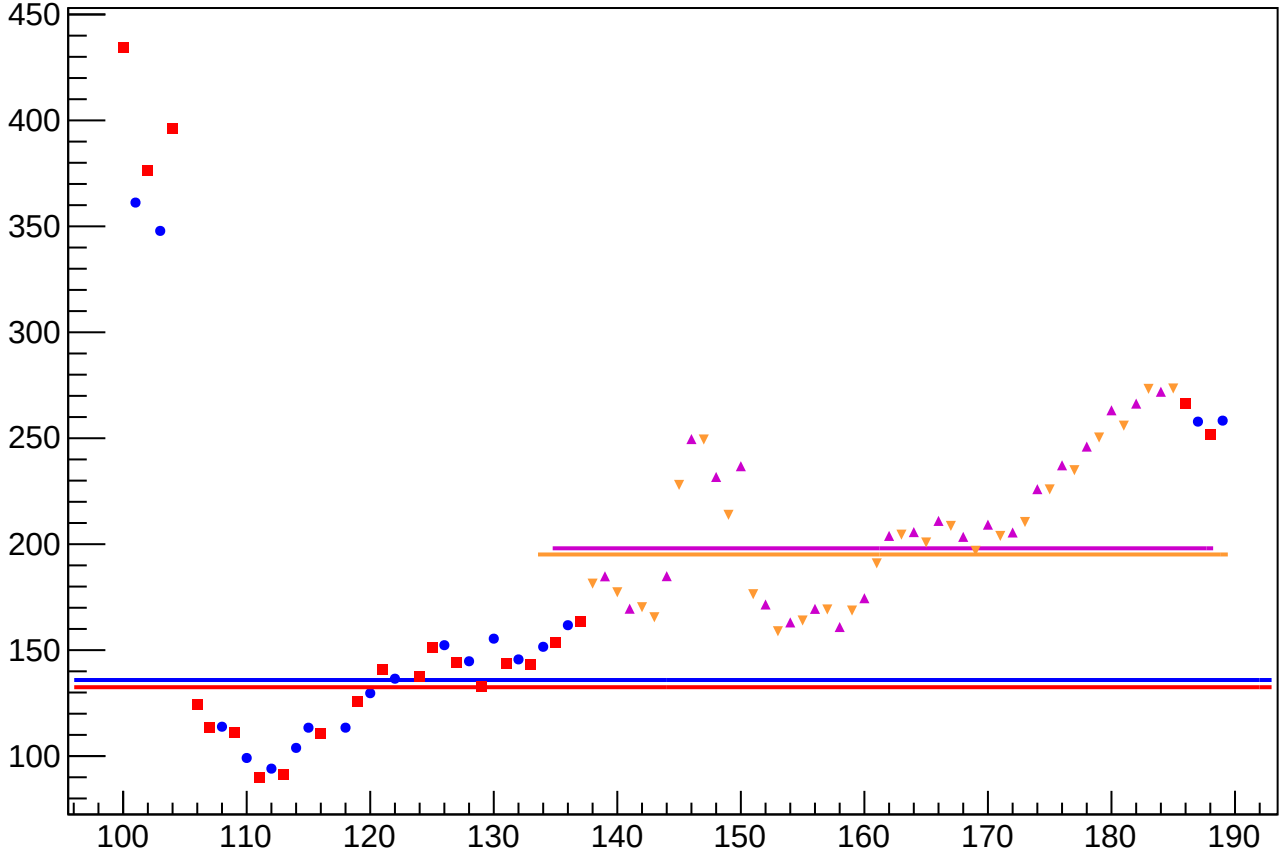
Right: 143698.025+/-0.036 χ^2/NDF: 4170410378.3/

In: 145889.326+/-0.035 χ^2/NDF:5266857673.9/40

Out: 145950.771+/-0.033 χ^2/NDF:7041555323.3/4

All: 145921.863+/-0.024 χ^2/NDF: 12310040

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 135.903+/-0.037 χ^2/NDF: 1709434.2/17

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 132.505+/-0.034 χ^2/NDF: 2208611.2/20

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

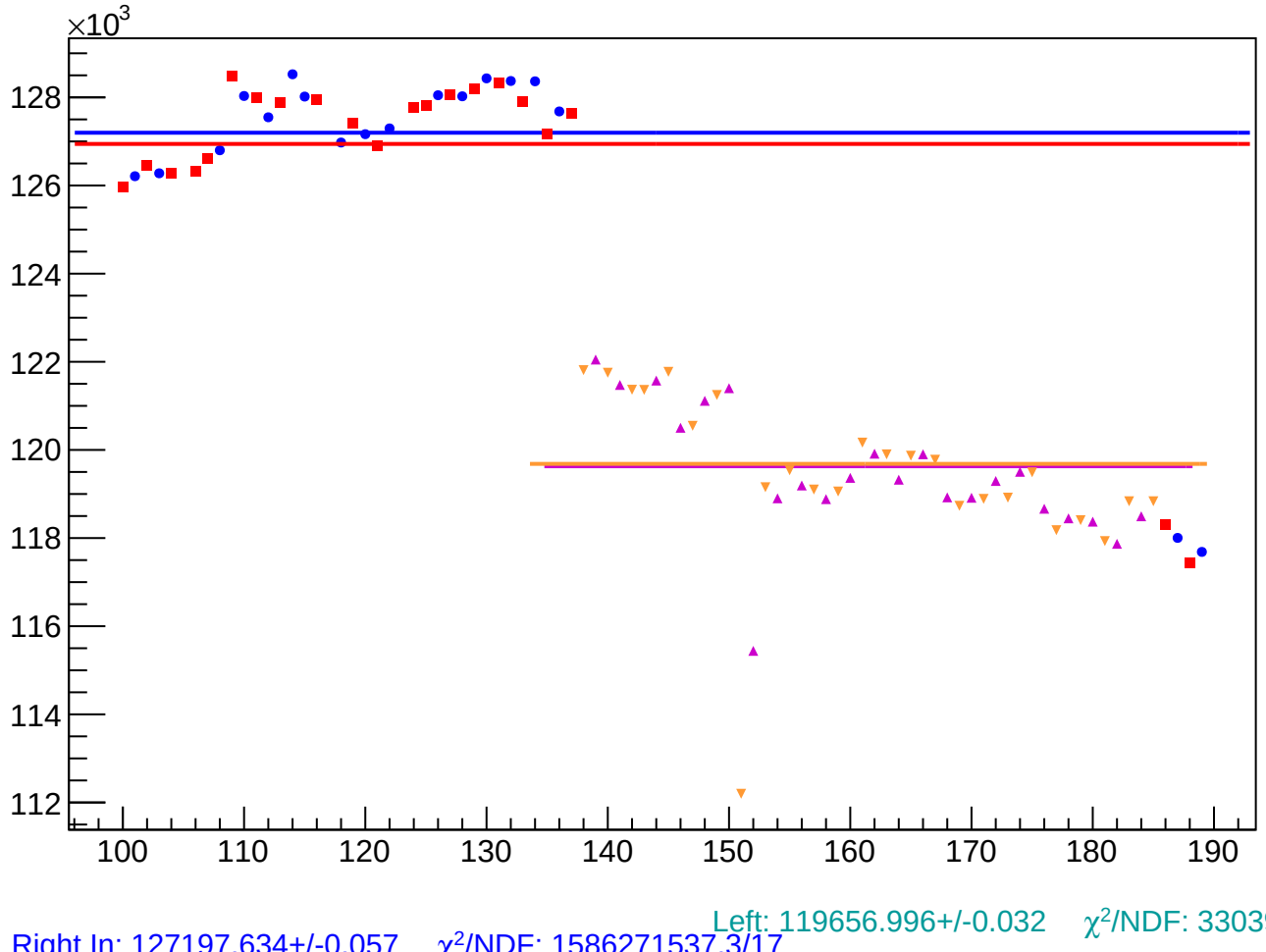
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 134.074+/-0.025 χ^2/NDF: 3922583.7/38

In: 170.191+/-0.025 χ^2/NDF:4165721.0/40

Out: 166.064+/-0.023 χ^2/NDF:4901422.1/45

All: 168.005+/-0.017 χ^2/NDF: 9081833.9/86



Right In: 127197.634+/-0.057 χ^2/NDF: 1586271537.3/17

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 126943.286+/-0.053 χ^2/NDF: 2763798591.7/20

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

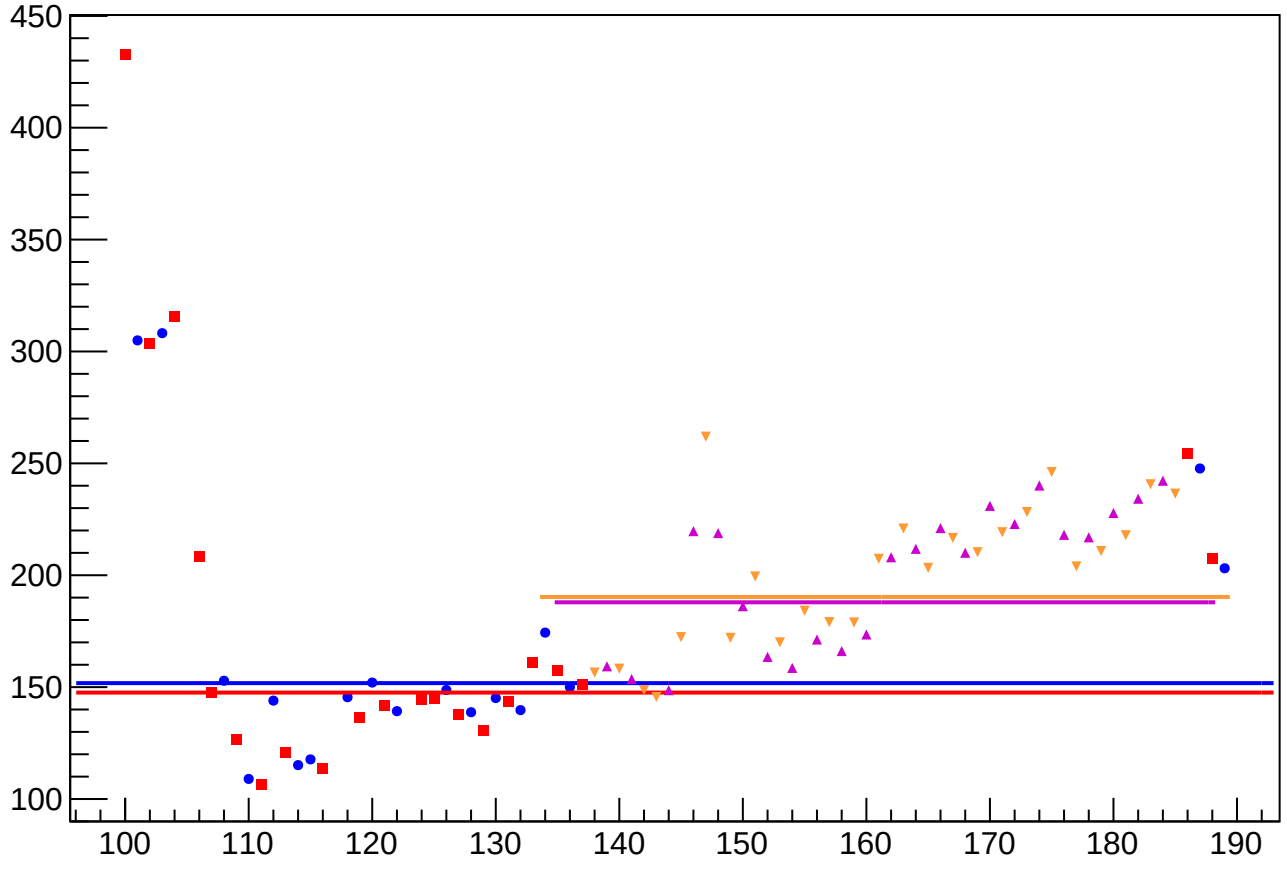
Right: 127060.754+/-0.039 χ^2/NDF: 4360820299.4/

In: 122540.093+/-0.035 χ^2/NDF:13787499587.7/4

Out: 122685.317+/-0.034 χ^2/NDF:15872136459.2

All: 122615.625+/-0.024 χ^2/NDF: 29668432

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 151.792+/-0.040 χ^2/NDF: 954845.7/17

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 147.564+/-0.037 χ^2/NDF: 1327658.4/20

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

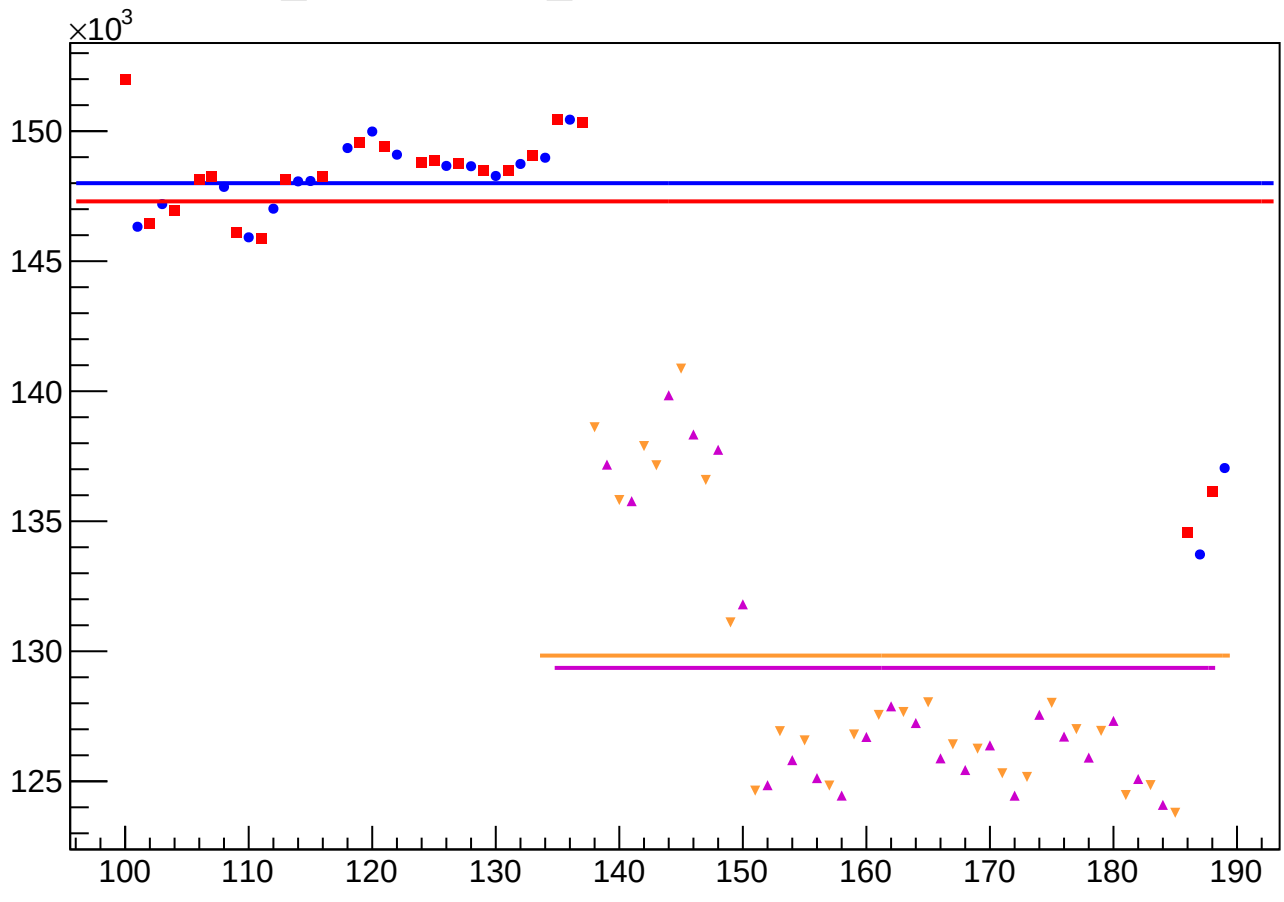
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 149.517+/-0.027 χ^2/NDF: 2288444.3/38

In: 174.019+/-0.025 χ^2/NDF:2376643.1/40

Out: 172.628+/-0.024 χ^2/NDF:3022950.0/45

All: 173.296+/-0.017 χ^2/NDF: 5401209.3/86



Right In: 147999.897+/-0.080 χ^2/NDF: 1188359069.3/17

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 147299.704+/-0.074 χ^2/NDF: 2403005021.5/20

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

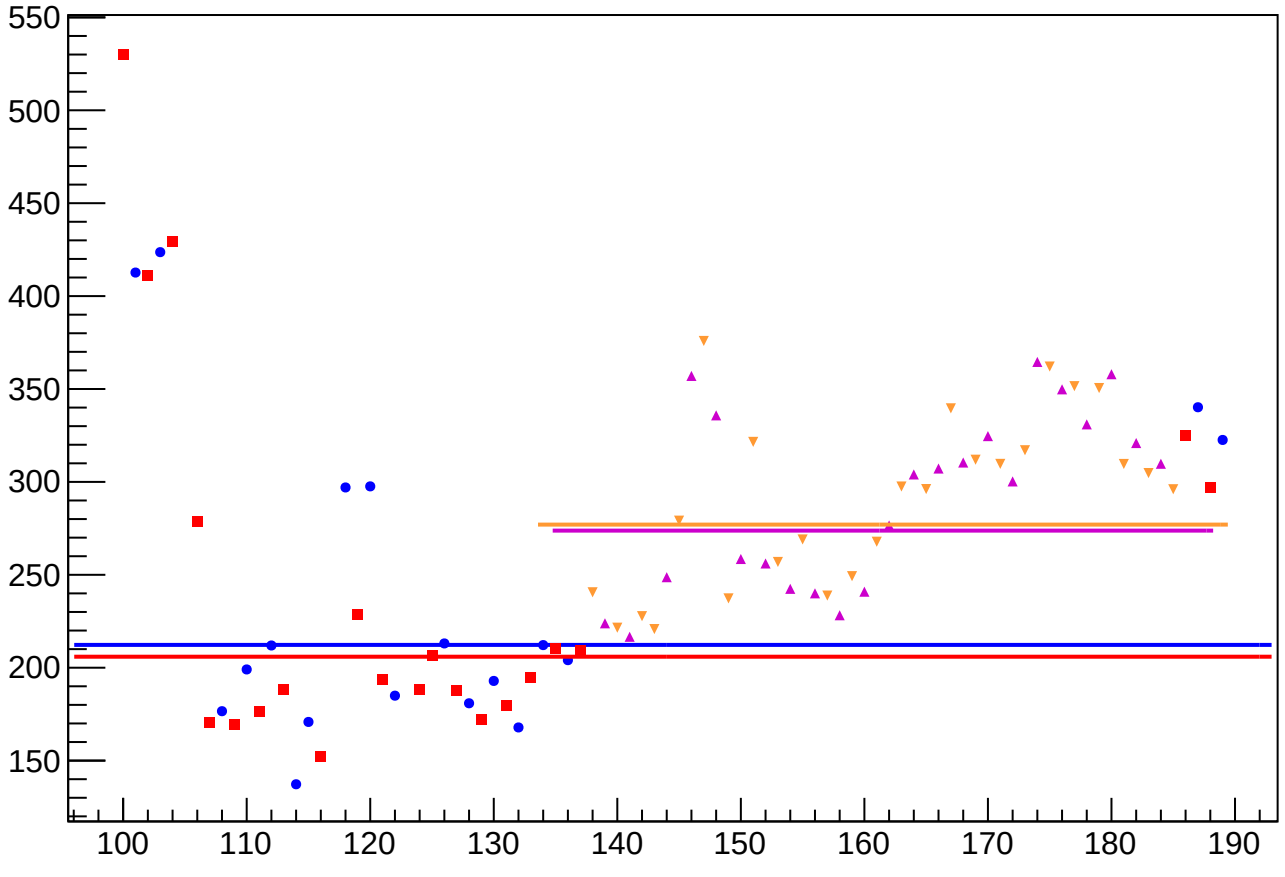
Right: 147619.730+/-0.054 χ^2/NDF: 3632789884.4/

In: 136802.880+/-0.051 χ^2/NDF:40294161164.3/4

Out: 137387.168+/-0.048 χ^2/NDF:41202207670.4

All: 137108.516+/-0.035 χ^2/NDF: 81565971

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 212.278+/-0.057 χ^2/NDF: 1156338.8/17

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 205.922+/-0.052 χ^2/NDF: 1212227.0/20

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

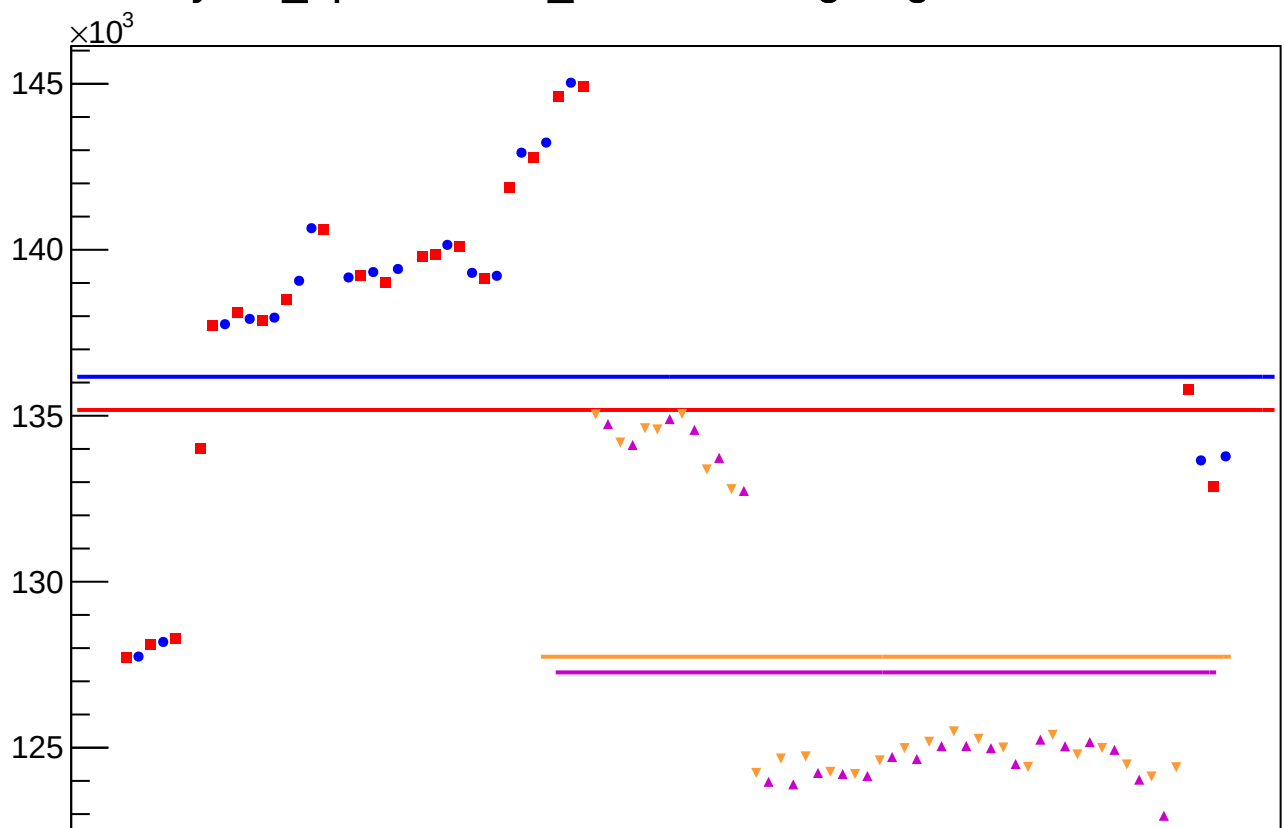
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 208.827+/-0.038 χ^2/NDF: 2375392.6/38

In: 249.226+/-0.036 χ^2/NDF:2867583.4/40

Out: 246.275+/-0.034 χ^2/NDF:3219633.5/45

All: 247.682+/-0.025 χ^2/NDF: 6090768.6/86



Right In: 136174.357+/-0.161 χ^2/NDF: 1599038828.4/17

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 135174.574+/-0.151 χ^2/NDF: 1231543424.2/20

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

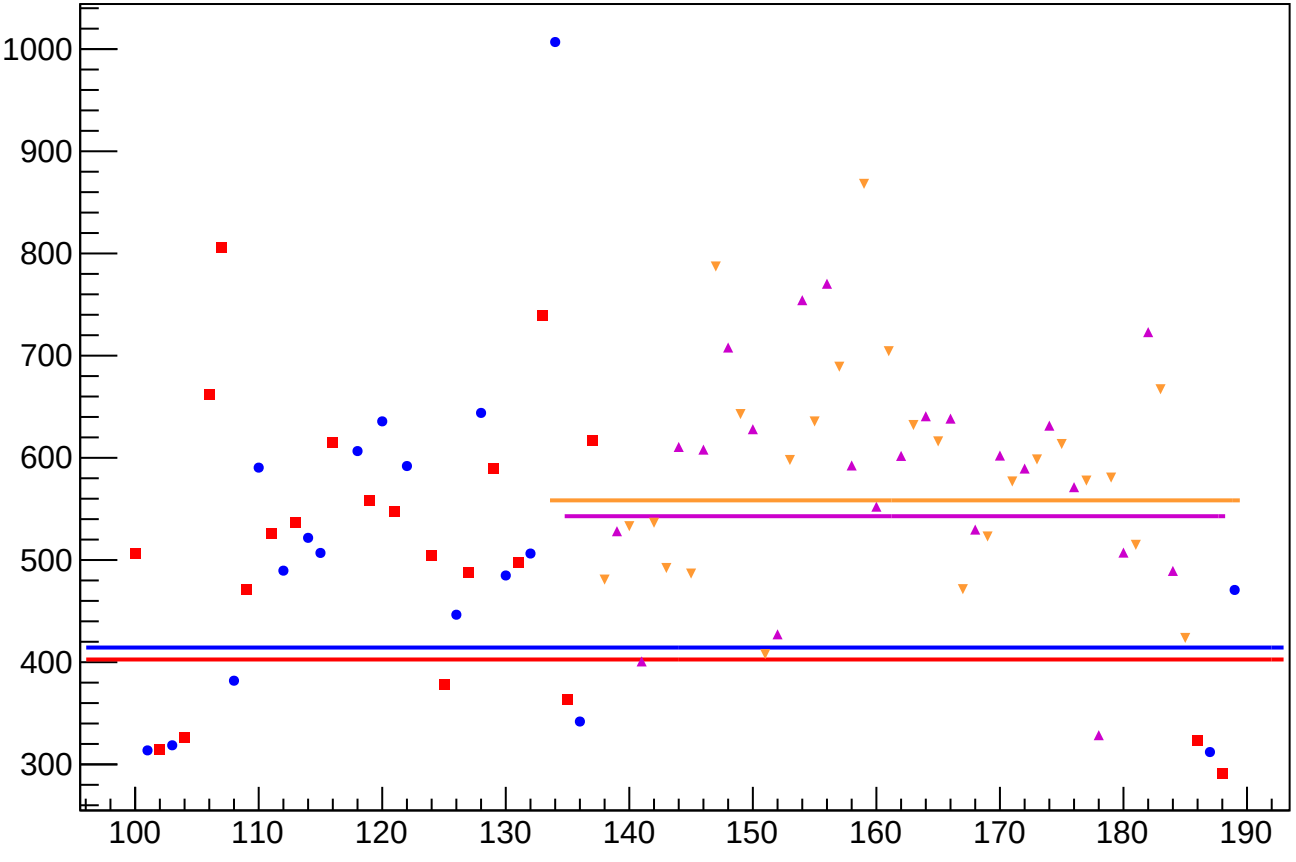
Right: 135643.120+/-0.110 χ^2/NDF: 2851045903.9/

In: 131056.494+/-0.105 χ^2/NDF:4326553087.4/40

Out: 131051.646+/-0.101 χ^2/NDF:3662883068.4/4

All: 131053.974+/-0.073 χ^2/NDF: 79894372

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 414.354+/-0.114 χ^2/NDF: 1074059.2/17

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 402.649+/-0.107 χ^2/NDF: 1254606.9/20

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

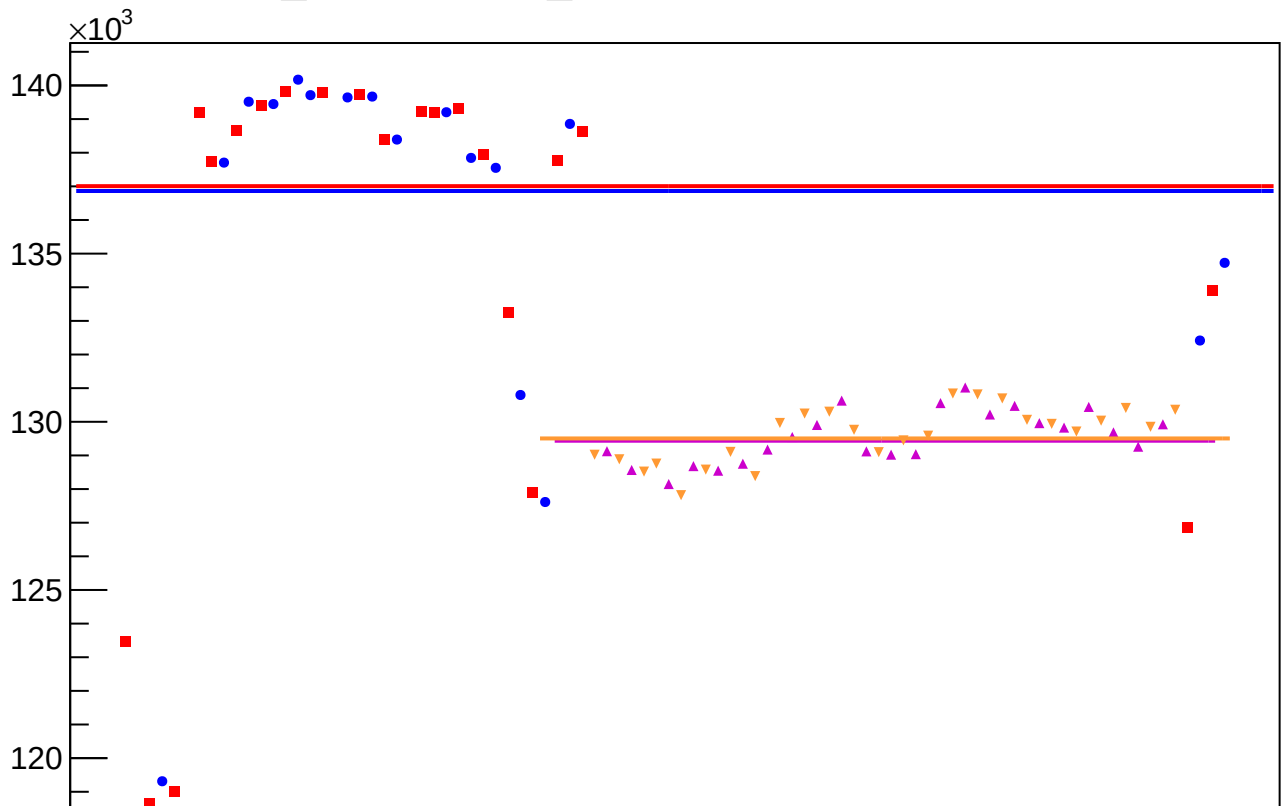
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 408.134+/-0.078 χ^2/NDF: 2334275.3/38

In: 488.209+/-0.074 χ^2/NDF:3222166.6/40

Out: 489.021+/-0.071 χ^2/NDF:3398012.7/45

All: 488.631+/-0.051 χ^2/NDF: 6620241.4/86



Right In: 136861.765+/-0.068 χ^2/NDF: 5874118113.5/17

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 137005.896+/-0.064 χ^2/NDF: 6271659570.6/20

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

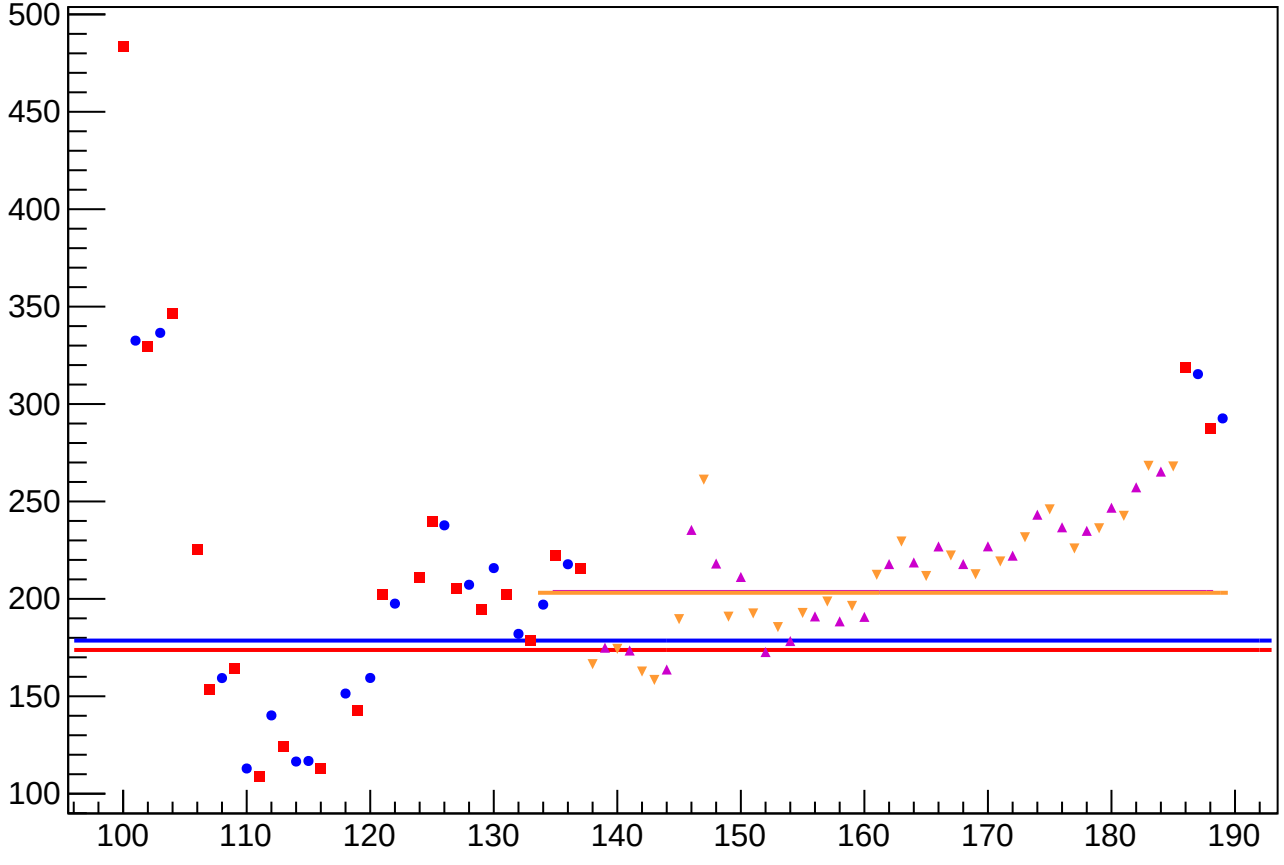
Right: 136939.114+/-0.047 χ^2/NDF: 12148159367.4

In: 131915.900+/-0.040 χ^2/NDF:13987676725.1/4

Out: 132155.711+/-0.038 χ^2/NDF:15573205437.1

All: 132041.192+/-0.027 χ^2/NDF: 29580111

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 178.595+/-0.048 χ^2/NDF: 1425026.1/17

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 173.775+/-0.045 χ^2/NDF: 1920016.5/20

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

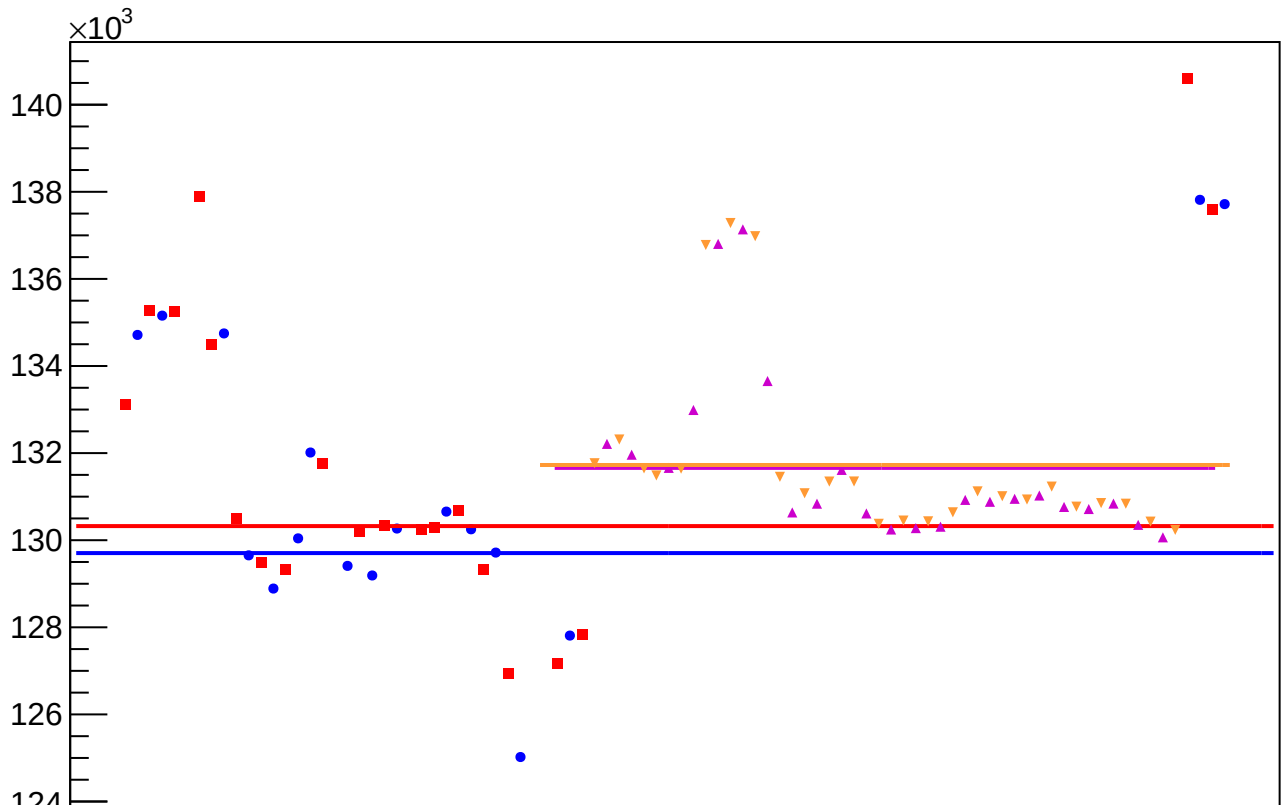
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 176.008+/-0.033 χ^2/NDF: 3350369.8/38

In: 195.217+/-0.028 χ^2/NDF:2268284.8/40

Out: 192.755+/-0.027 χ^2/NDF:2954193.9/45

All: 193.931+/-0.019 χ^2/NDF: 5226531.0/86



Right In: 129704.303+/-0.065 χ^2/NDF: 2420525379.3/17

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 130324.173+/-0.059 χ^2/NDF: 3210815811.6/20

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

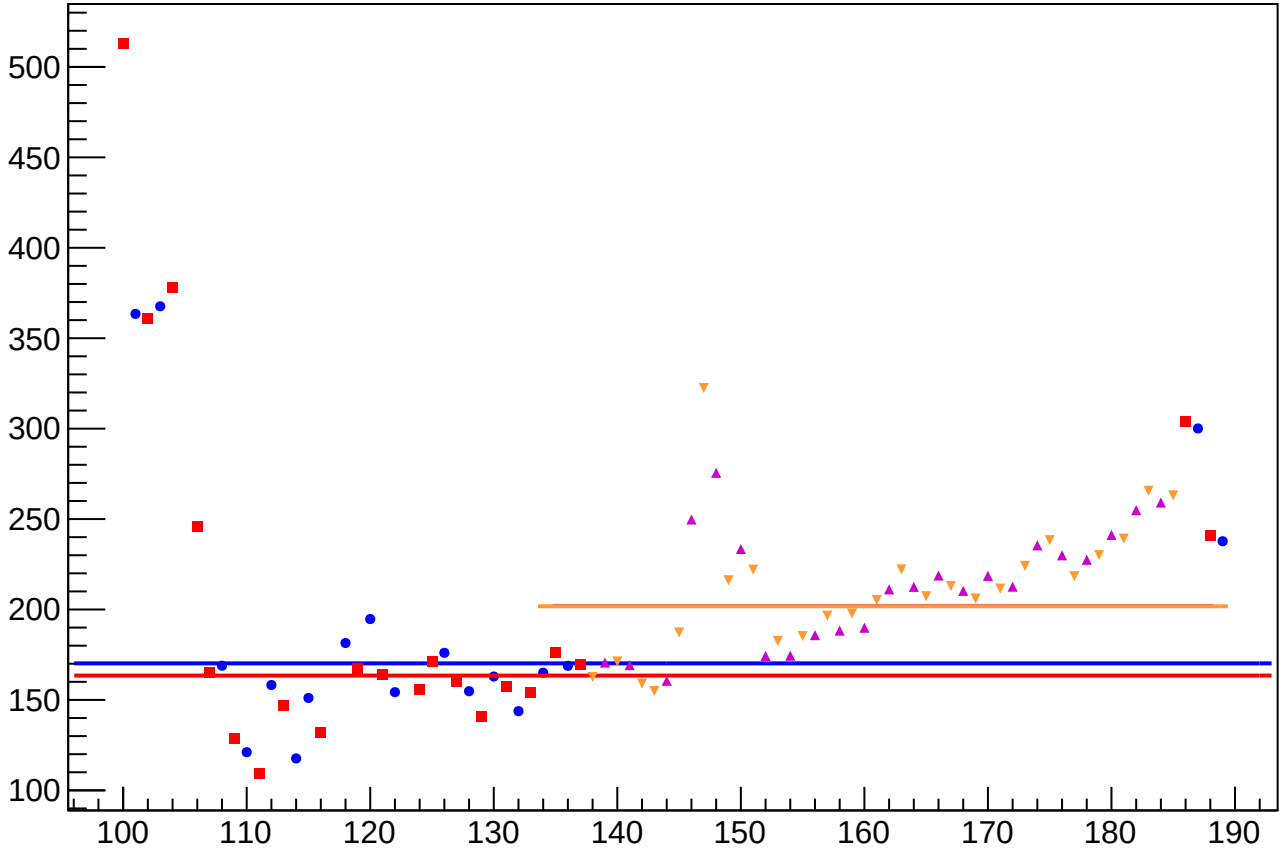
Right: 130040.956+/-0.044 χ^2/NDF: 5681331549.4/

In: 130961.496+/-0.039 χ^2/NDF:4174041532.1/40

Out: 131187.567+/-0.037 χ^2/NDF:4980771030.2/4

All: 131080.142+/-0.027 χ^2/NDF: 91727946

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 170.218+/-0.046 χ^2/NDF: 1098116.2/17

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 163.464+/-0.042 χ^2/NDF: 1569559.3/20

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

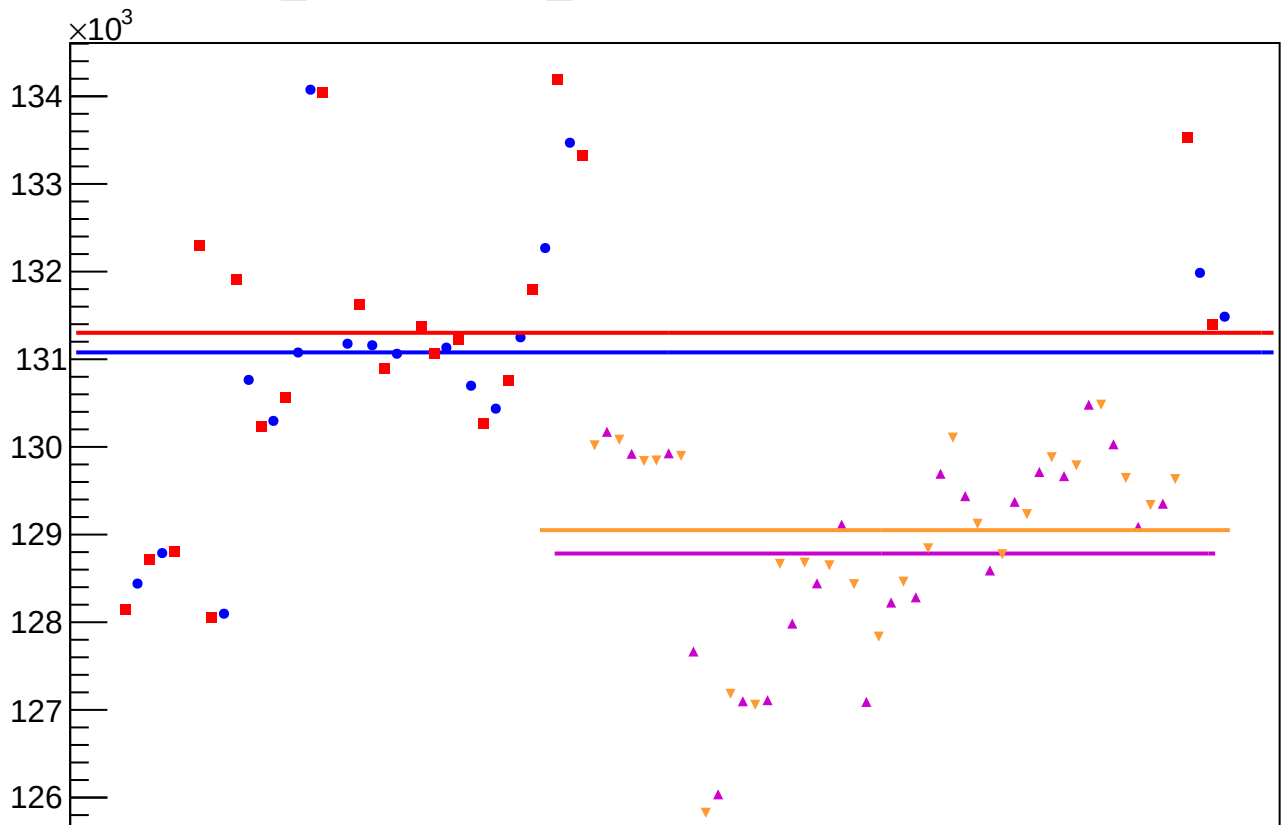
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 166.550+/-0.031 χ^2/NDF: 2679542.8/38

In: 190.609+/-0.027 χ^2/NDF:2210802.5/40

Out: 187.056+/-0.026 χ^2/NDF:2989941.6/45

All: 188.744+/-0.019 χ^2/NDF: 5209628.7/86



Right In: 131078.311+/-0.059 χ^2/NDF: 527956514.4/17

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131301.857+/-0.055 χ^2/NDF: 628537252.1/20

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

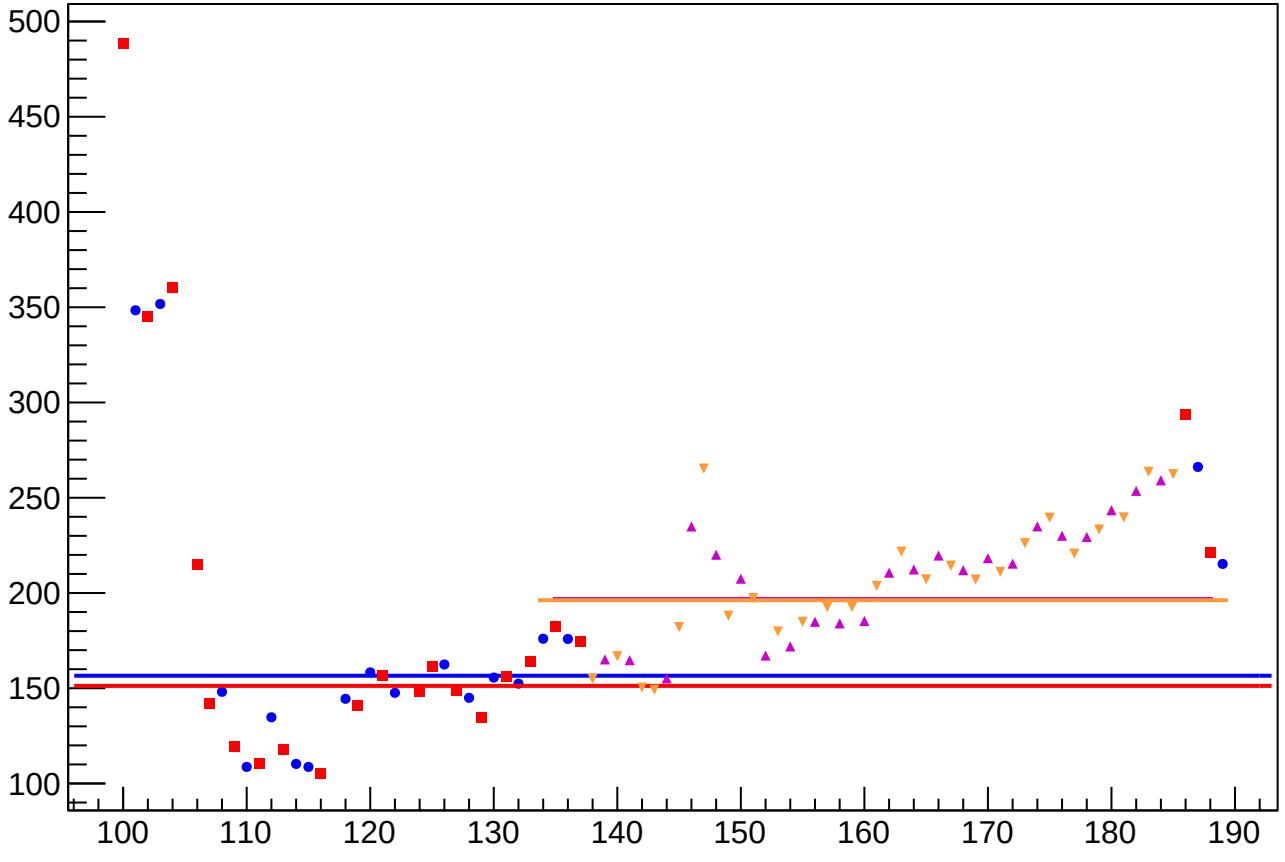
Right: 131198.980+/-0.040 χ^2/NDF: 1164208475.3/

In: 129669.799+/-0.037 χ^2/NDF:2107905303.9/40

Out: 129972.979+/-0.035 χ^2/NDF:2163043078.9/4

All: 129828.971+/-0.025 χ^2/NDF: 43066921

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 156.568+/-0.042 χ^2/NDF: 1208126.9/17

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 151.239+/-0.039 χ^2/NDF: 1672248.8/20

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

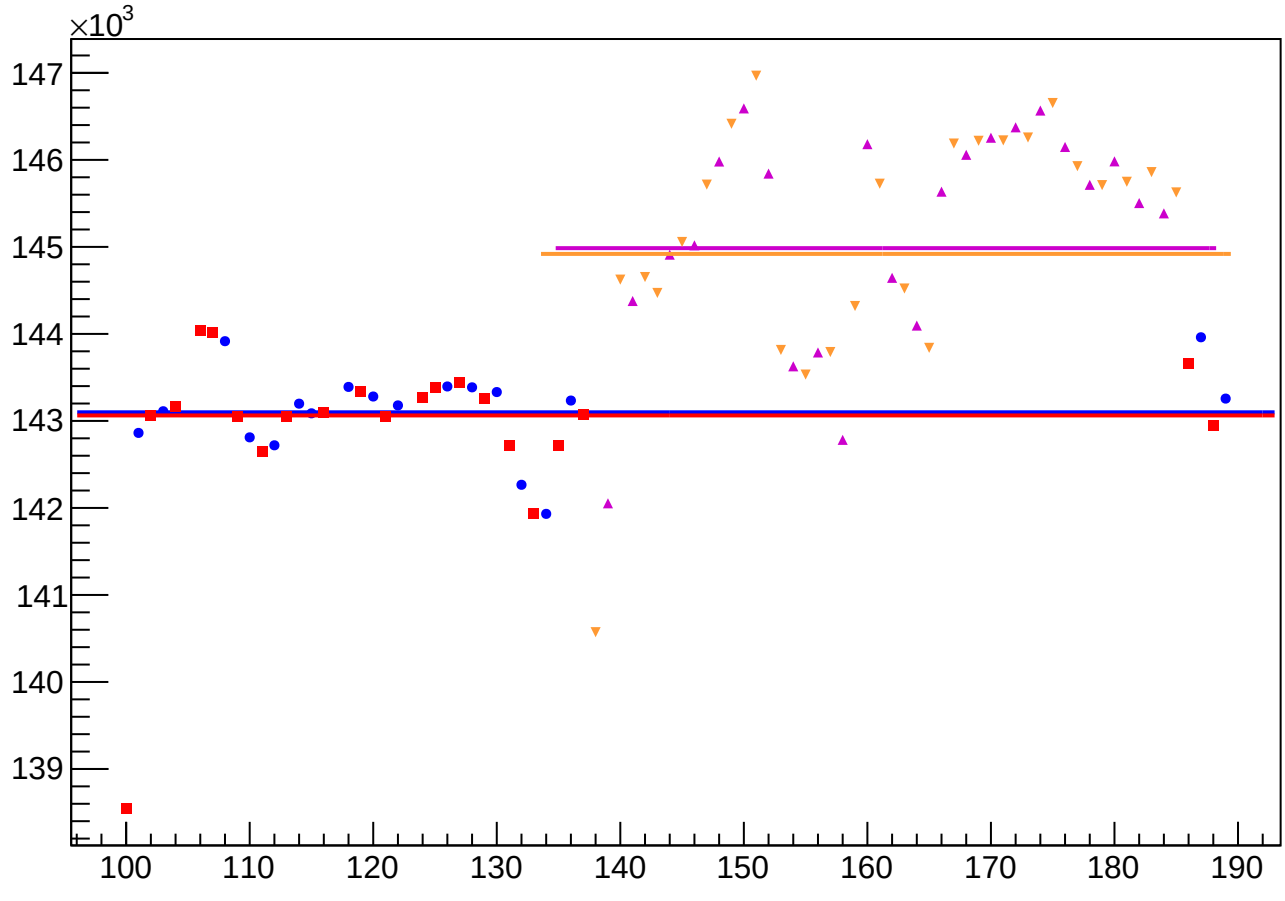
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 153.692+/-0.028 χ^2/NDF: 2889143.5/38

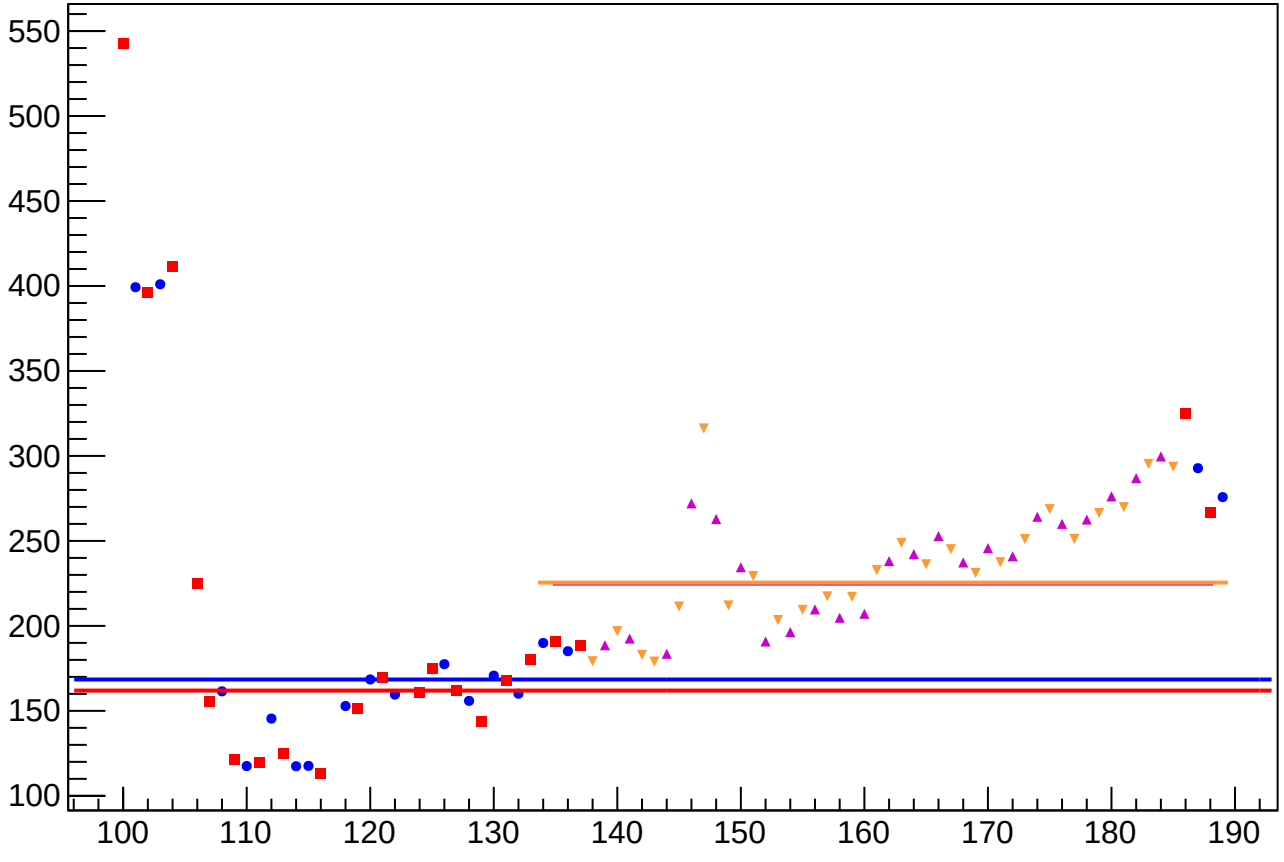
In: 181.290+/-0.026 χ^2/NDF:2550650.3/40

Out: 177.779+/-0.025 χ^2/NDF:3395682.4/45

All: 179.447+/-0.018 χ^2/NDF: 5955921.0/86


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
141
140
139
100
110
120
130
140
150
160
170
180
190
Right In: 143098.981+/-0.064 χ²/NDF: 48537504.0/17
Left Out: 144919.479+/-0.052 χ²/NDF:835478710.7/24
Right Out: 143063.125+/-0.059 χ²/NDF: 53274850.6/20
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
Left: 144951.693+/-0.037 χ²/NDF: 1455041879.5/4
Right: 143079.588+/-0.043 χ²/NDF: 101982841.7/3
In: 144206.327+/-0.041 χ²/NDF:1179524932.9/40
Out: 144101.418+/-0.039 χ²/NDF:1445423784.9/4
All: 144151.277+/-0.028 χ²/NDF: 26283767

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 168.457+/-0.045 χ^2/NDF: 1364945.4/17

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 161.941+/-0.042 χ^2/NDF: 1890168.1/20

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

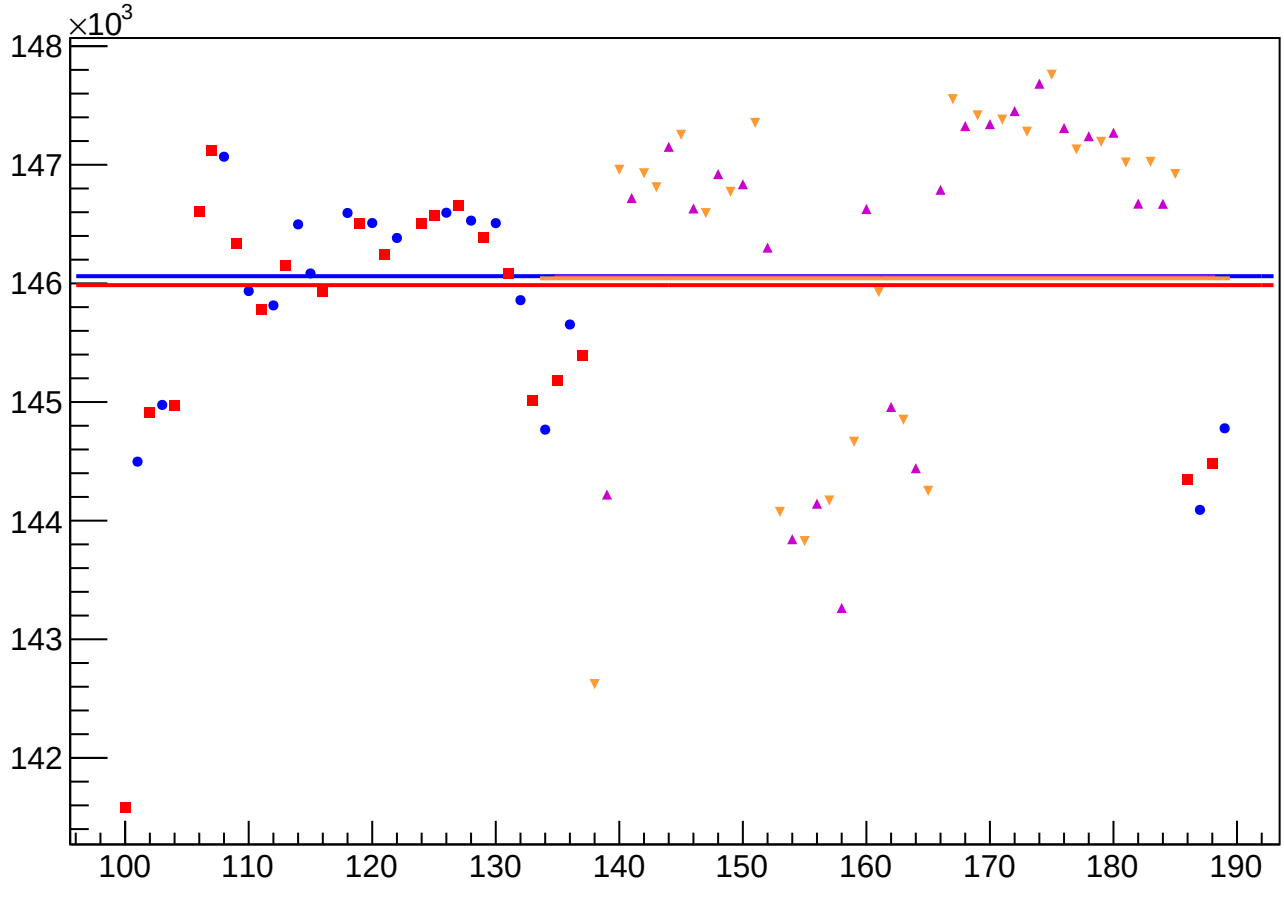
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 164.932+/-0.031 χ^2/NDF: 3266373.8/38

In: 201.568+/-0.029 χ^2/NDF:3004672.7/40

Out: 197.478+/-0.028 χ^2/NDF:3969809.9/45

All: 199.422+/-0.020 χ^2/NDF: 6984899.5/86



Right In: 146060.847+/-0.066 χ^2/NDF: 98288046.0/17

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 145985.333+/-0.060 χ^2/NDF: 128078199.7/20

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

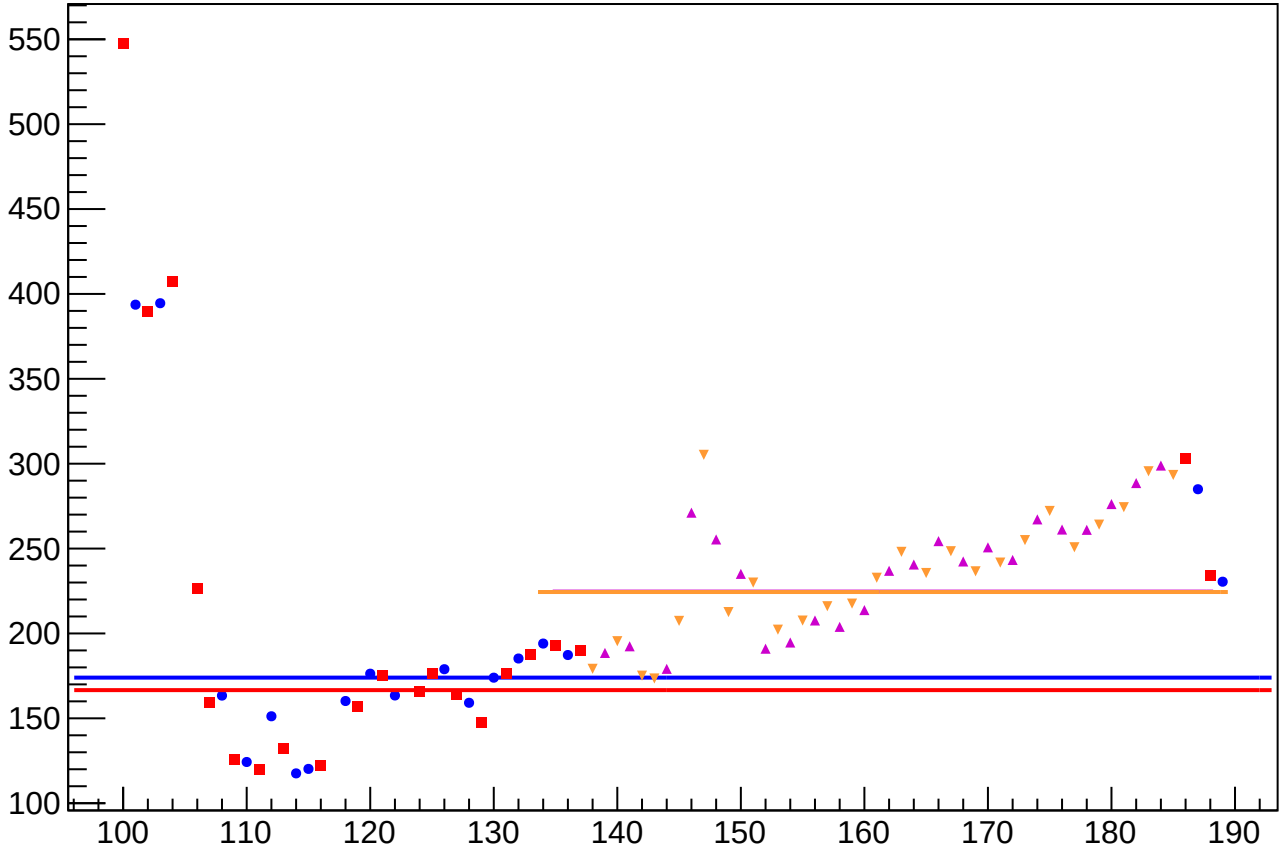
Right: 146019.734+/-0.044 χ^2/NDF: 227087821.0/3

In: 146058.351+/-0.041 χ^2/NDF:797033583.1/40

Out: 146018.052+/-0.039 χ^2/NDF:1011304028.4/4

All: 146037.111+/-0.029 χ^2/NDF: 18088349

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.046 χ^2/NDF: 1183308.3/17

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 166.613+/-0.042 χ^2/NDF: 1637898.4/20

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

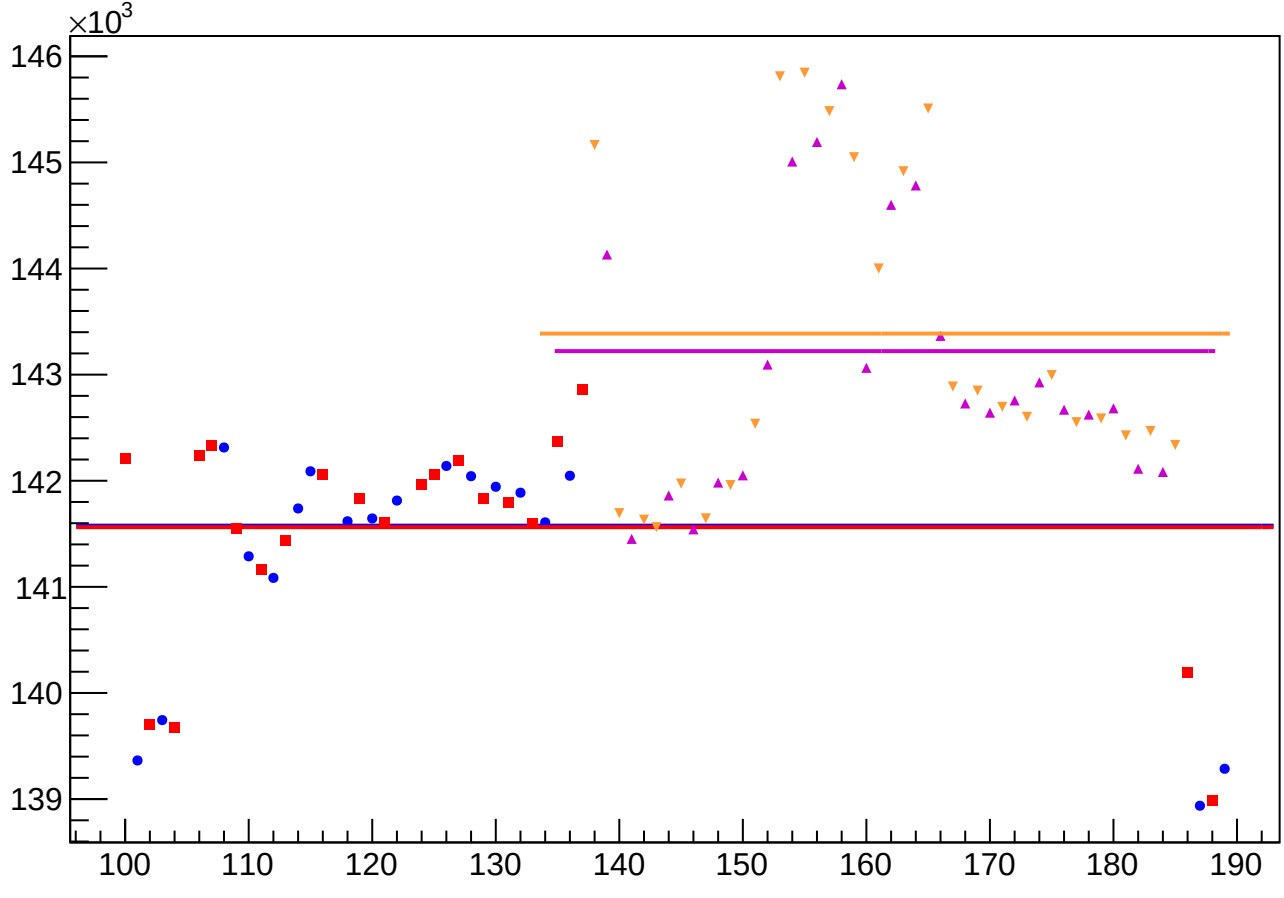
Right: 169.970+/-0.031 χ^2/NDF: 2834952.1/38

In: 204.383+/-0.029 χ^2/NDF:2656403.1/40

Out: 199.613+/-0.028 χ^2/NDF:3546599.9/45

All: 201.869+/-0.020 χ^2/NDF: 6216937.0/86

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: 141576.821+/-0.067 χ^2/NDF: 120684245.2/17

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 141562.492+/-0.062 χ^2/NDF: 152806400.1/20

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

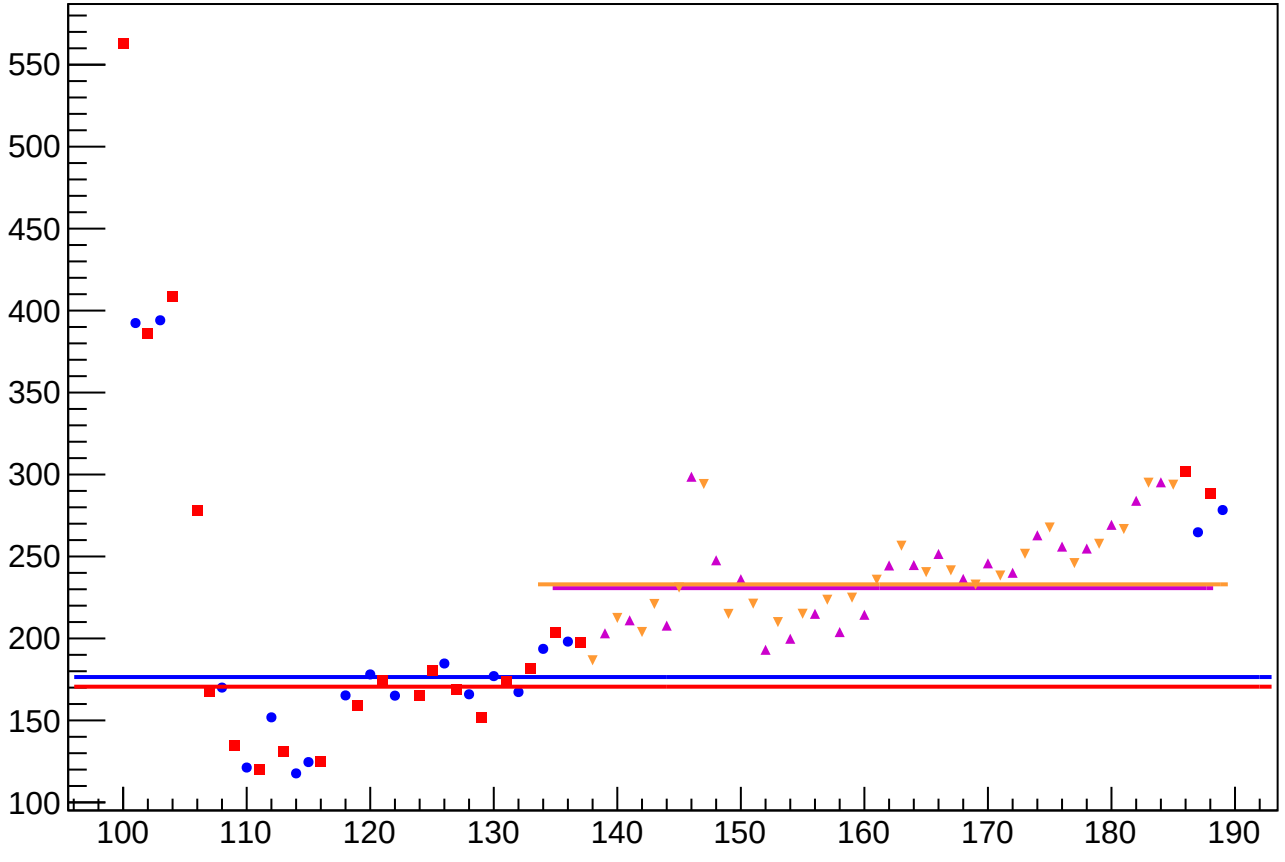
Right: 141569.105+/-0.045 χ^2/NDF: 273515408.9/3

In: 142559.840+/-0.042 χ^2/NDF:1023131292.9/40

Out: 142603.157+/-0.041 χ^2/NDF:1432963806.0/4

All: 142582.459+/-0.029 χ^2/NDF: 24566404

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 176.456+/-0.047 χ^2/NDF: 1259099.4/17

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 170.572+/-0.044 χ^2/NDF: 1798406.6/20

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

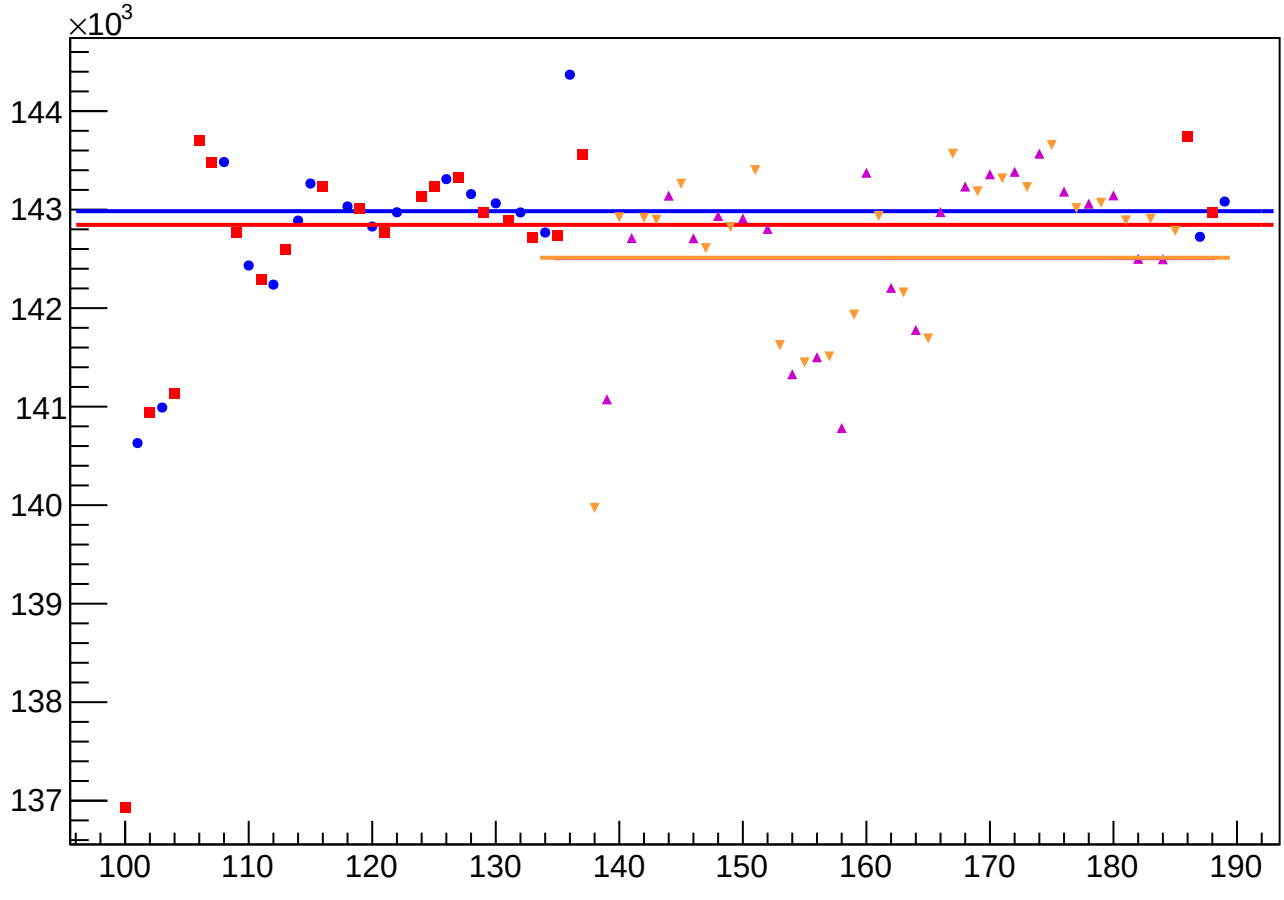
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 173.288+/-0.032 χ^2/NDF: 3065859.1/38

In: 208.867+/-0.030 χ^2/NDF:2558626.0/40

Out: 206.185+/-0.029 χ^2/NDF:3406657.9/45

All: 207.467+/-0.021 χ^2/NDF: 5969465.8/86



Right In: 142984.209+/-0.067 χ^2/NDF: 107922767.6/17

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142845.298+/-0.062 χ^2/NDF: 67219685.6/20

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

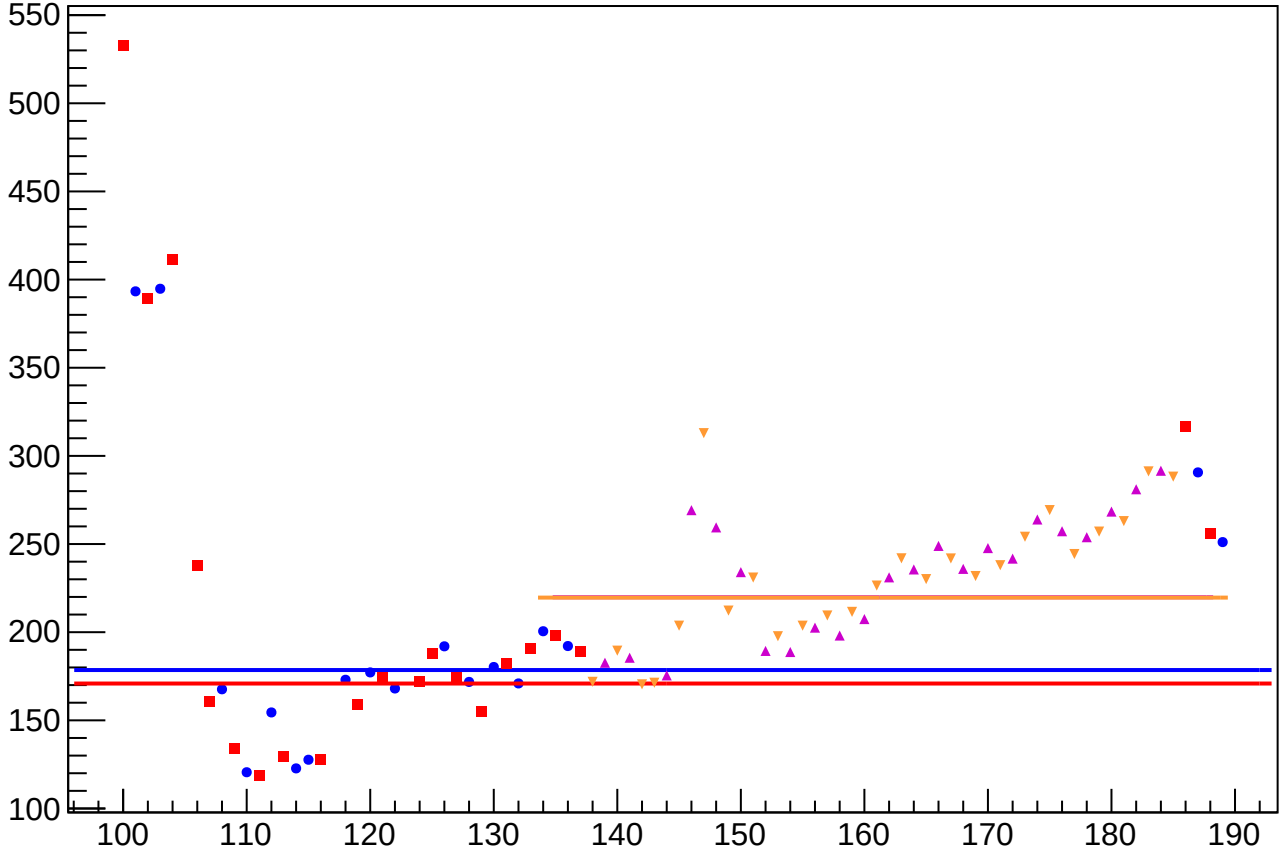
Right: 142908.649+/-0.046 χ^2/NDF: 177450696.0/3

In: 142687.021+/-0.041 χ^2/NDF:408346604.1/40

Out: 142646.484+/-0.039 χ^2/NDF:422719693.3/45

All: 142665.697+/-0.028 χ^2/NDF: 831571206

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 178.532+/-0.048 χ^2/NDF: 1198825.1/17

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 170.880+/-0.044 χ^2/NDF: 1690032.4/20

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

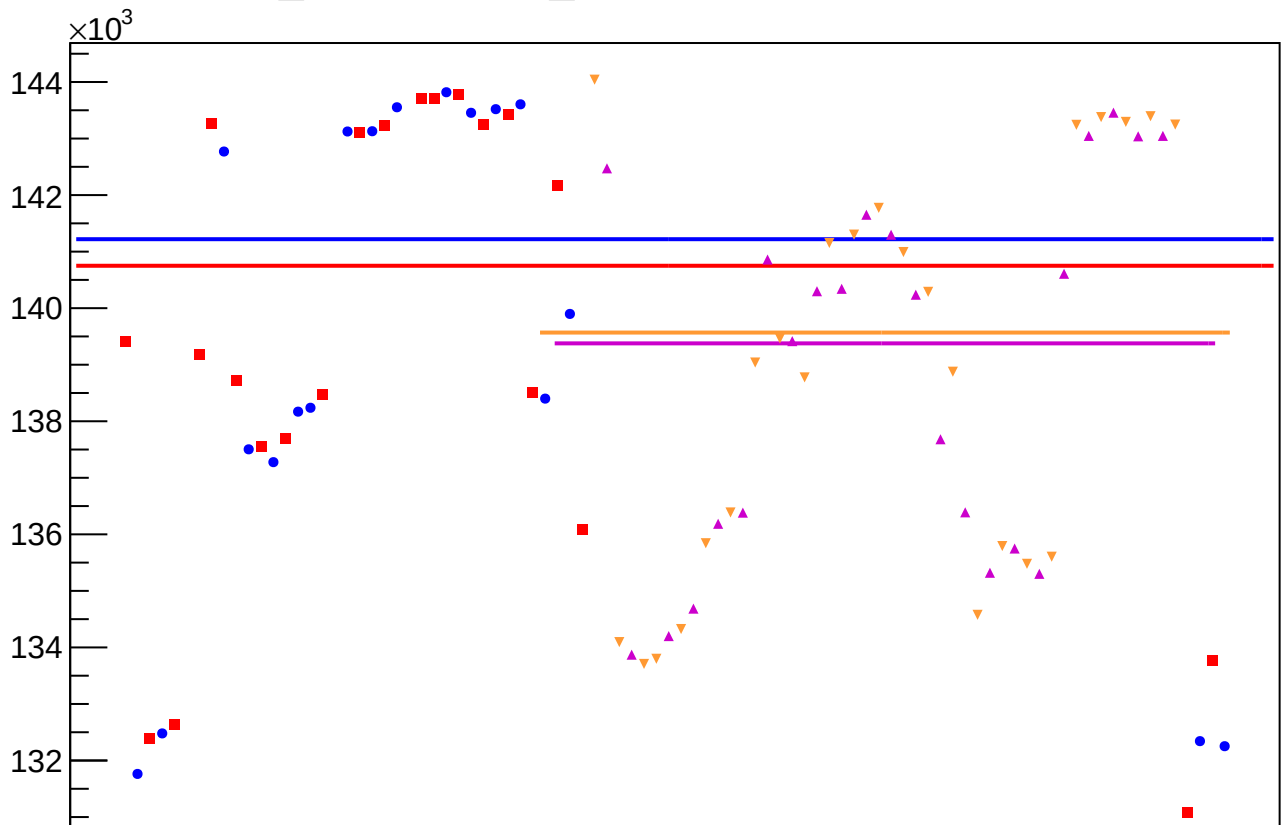
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 174.370+/-0.032 χ^2/NDF: 2902867.5/38

In: 204.271+/-0.029 χ^2/NDF:2471651.2/40

Out: 199.899+/-0.028 χ^2/NDF:3333982.0/45

All: 201.971+/-0.020 χ^2/NDF: 5817381.5/86



Right In: 141219.943+/-0.099 χ^2/NDF: 1238880170.2/17

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140750.072+/-0.097 χ^2/NDF: 1446169333.1/20

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

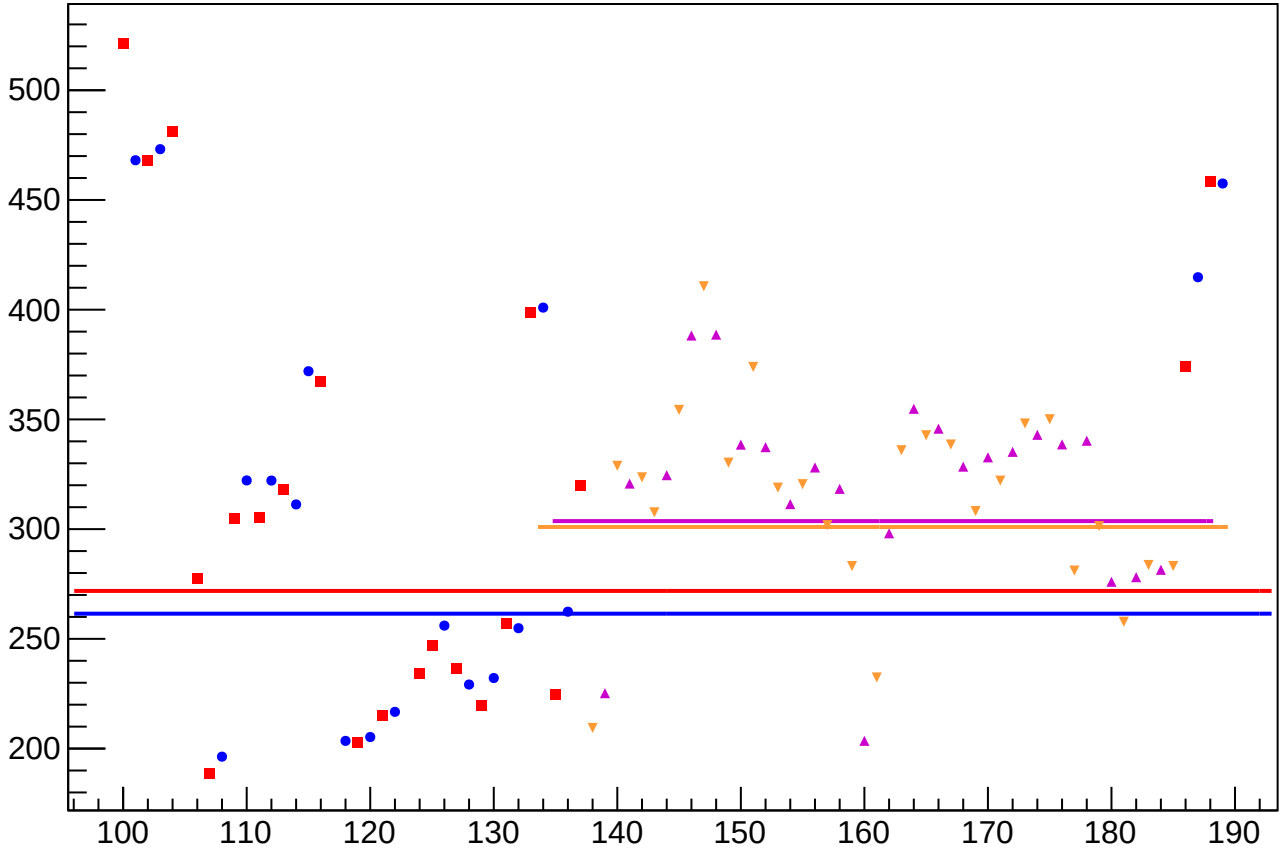
Right: 140981.251+/-0.069 χ^2/NDF: 2696479727.2/

In: 140025.459+/-0.059 χ^2/NDF:3384596713.9/40

Out: 139970.831+/-0.057 χ^2/NDF:4129673099.2/4

All: 139997.263+/-0.041 χ^2/NDF: 751471620

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 261.473+/-0.070 χ^2/NDF: 1197614.0/17

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 271.840+/-0.069 χ^2/NDF: 1389354.8/20

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

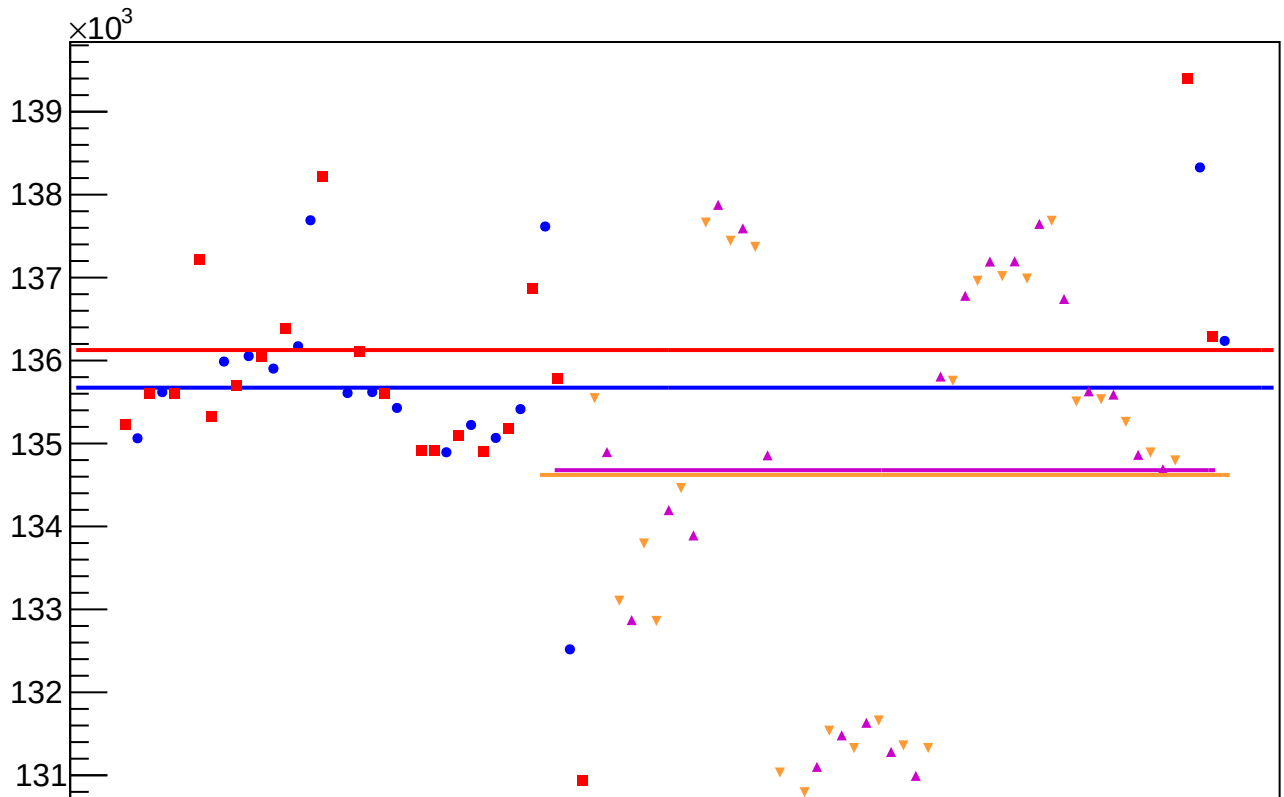
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 266.739+/-0.049 χ^2/NDF: 2598096.7/38

In: 288.824+/-0.042 χ^2/NDF:2409043.6/40

Out: 291.051+/-0.040 χ^2/NDF:2383995.8/45

All: 289.973+/-0.029 χ^2/NDF: 4794523.8/86



Right In: 135672.898+/-0.112 χ^2/NDF: 108294010.8/17

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136126.333+/-0.098 χ^2/NDF: 138258454.7/20

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

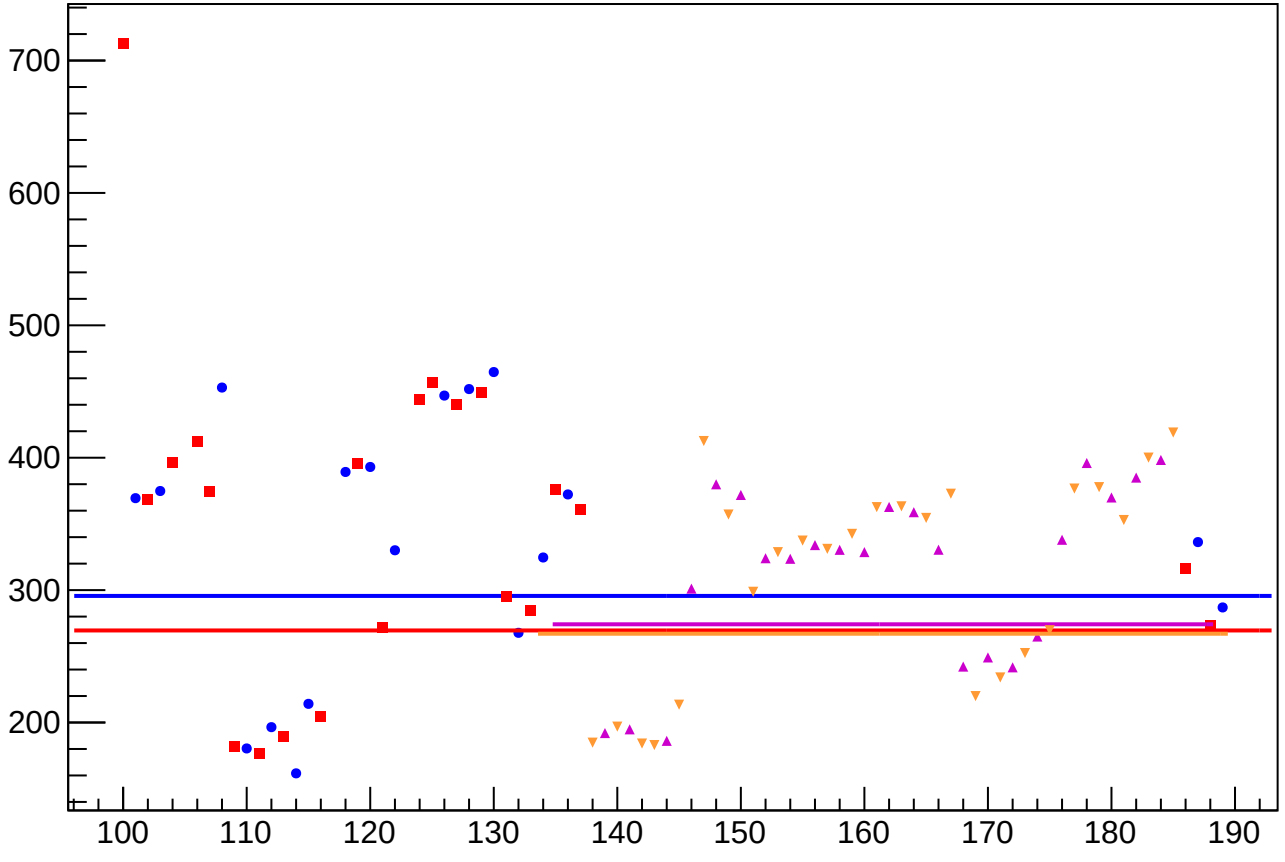
Right: 135931.190+/-0.074 χ^2/NDF: 255850439.9/3

In: 134939.174+/-0.057 χ^2/NDF:1262513430.0/40

Out: 135071.325+/-0.053 χ^2/NDF:1506633465.2/4

All: 135010.140+/-0.039 χ^2/NDF: 27719870

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.608+/-0.079 χ^2/NDF: 1448772.3/17

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 269.526+/-0.069 χ^2/NDF: 1697335.1/20

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

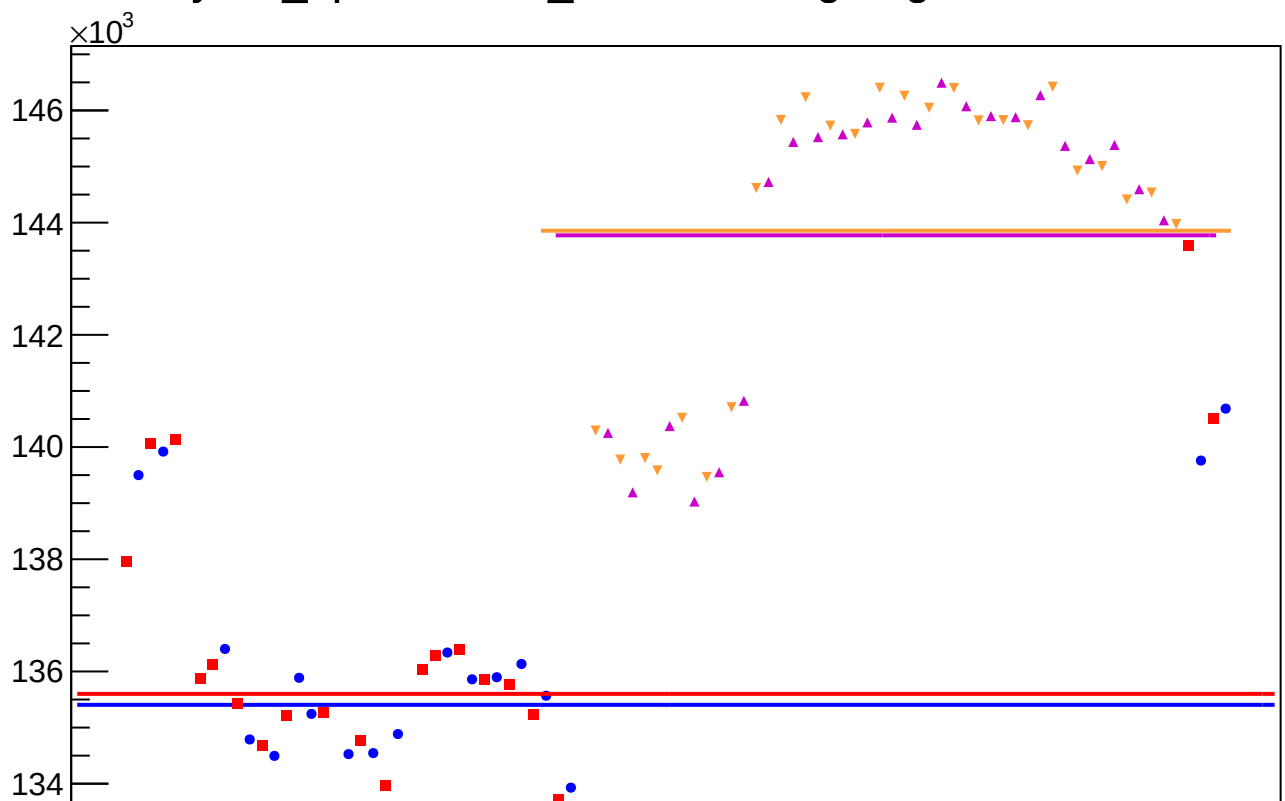
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 280.751+/-0.052 χ^2/NDF: 3207633.3/38

In: 279.795+/-0.041 χ^2/NDF:3739333.7/40

Out: 267.793+/-0.038 χ^2/NDF:4541542.7/45

All: 273.350+/-0.028 χ^2/NDF: 8327729.2/86



Right In: 135405.067+/-0.054 χ^2/NDF: 665649427.2/17

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 135600.678+/-0.050 χ^2/NDF: 1120174282.3/20

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

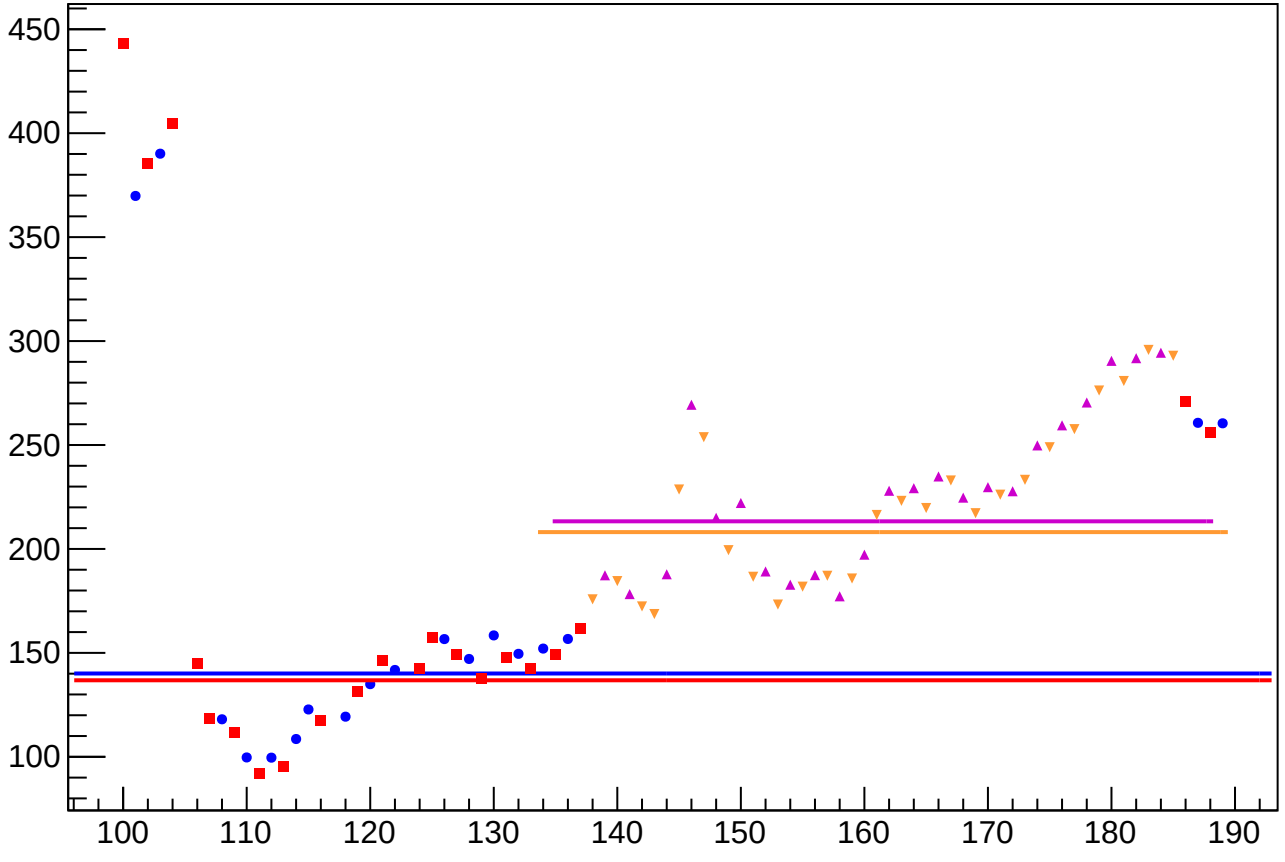
Right: 135509.359+/-0.037 χ^2/NDF: 1792851275.4/

In: 139825.128+/-0.037 χ^2/NDF:16210281850.1/4

Out: 139902.318+/-0.035 χ^2/NDF:18220758296.0

All: 139865.994+/-0.025 χ^2/NDF: 344333433

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 140.082+/-0.038 χ^2/NDF: 1699053.8/17

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 136.817+/-0.036 χ^2/NDF: 2164427.4/20

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

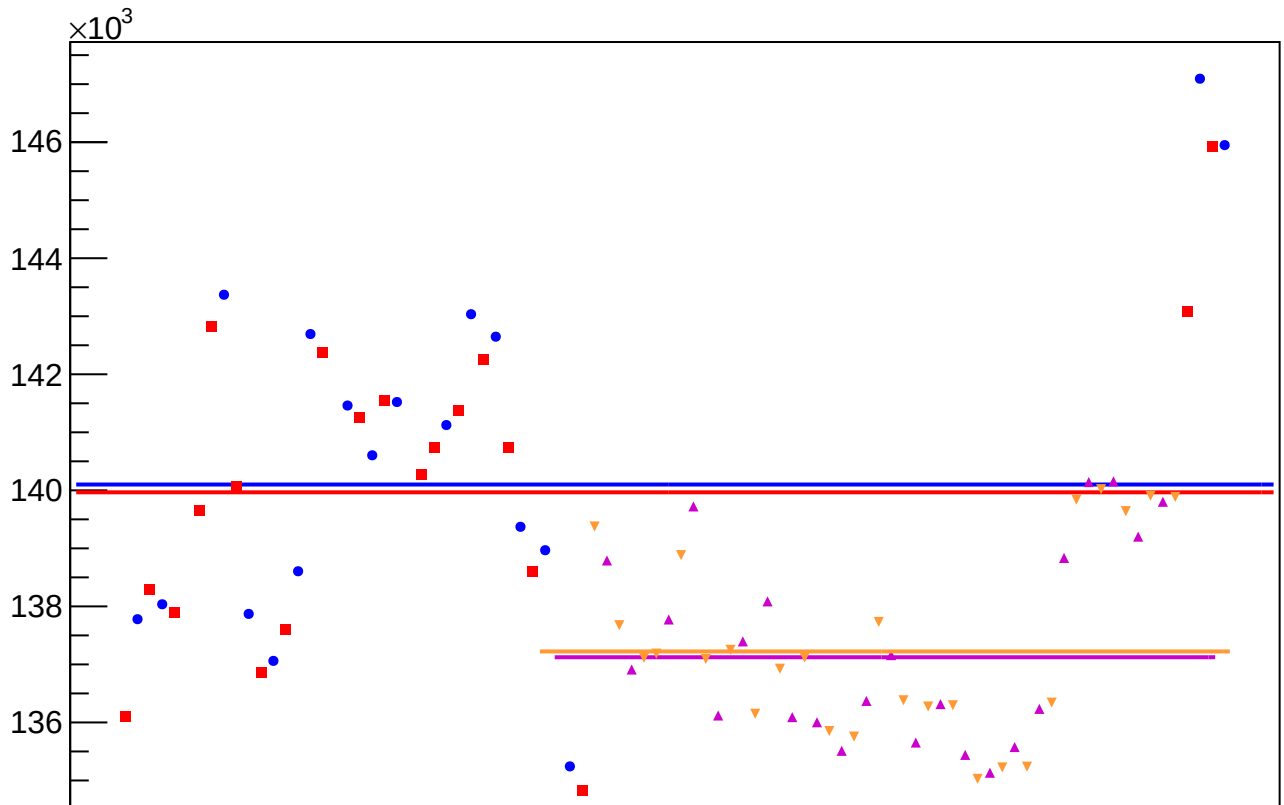
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 138.341+/-0.026 χ^2/NDF: 3867397.3/38

In: 178.750+/-0.026 χ^2/NDF:4514819.0/40

Out: 173.961+/-0.025 χ^2/NDF:5240788.2/45

All: 176.215+/-0.018 χ^2/NDF: 9773334.2/86



Right In: 140100.355+/-0.061 χ^2/NDF: 2122353526.6/17

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 139965.880+/-0.058 χ^2/NDF: 2113115099.7/20

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

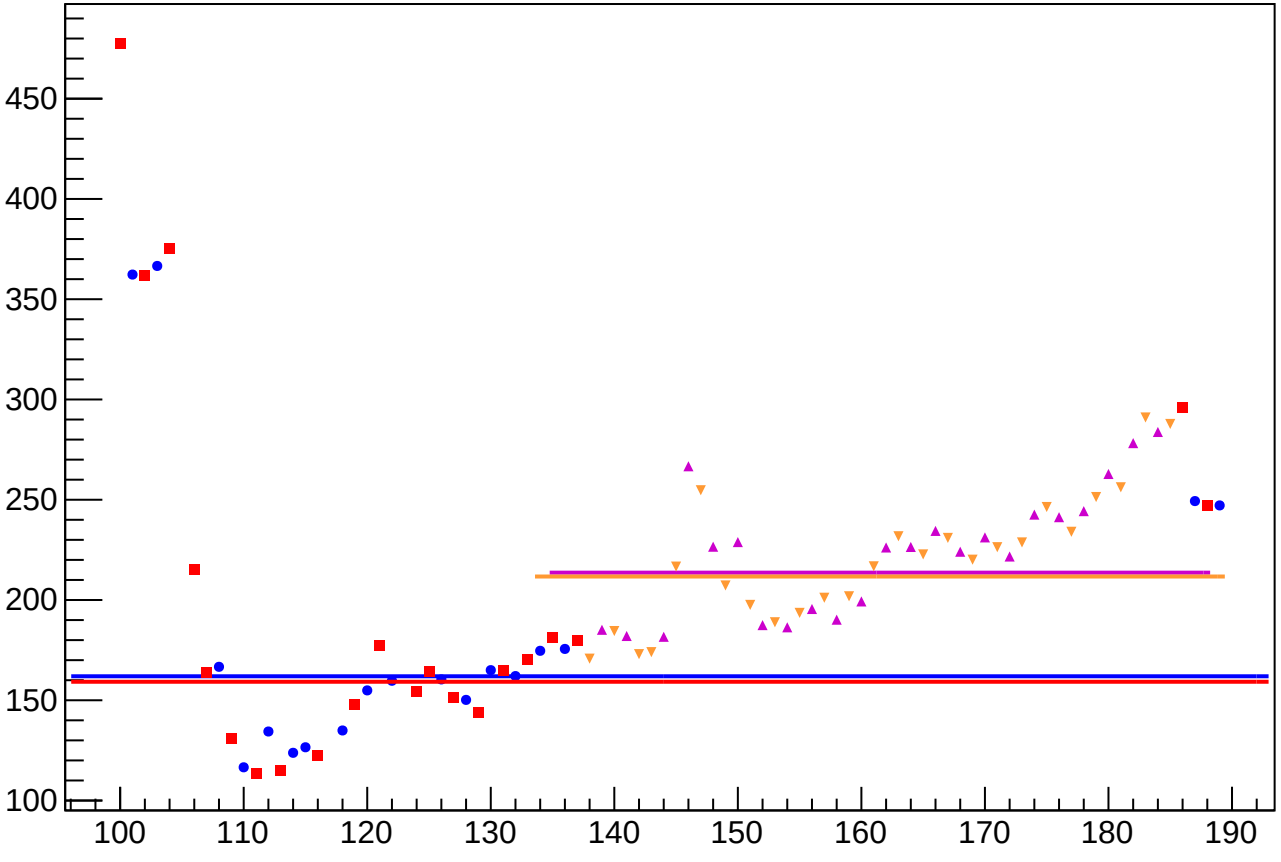
Right: 140029.143+/-0.042 χ^2/NDF: 4238023643.5/

In: 138340.439+/-0.039 χ^2/NDF:4380781899.0/40

Out: 138373.861+/-0.037 χ^2/NDF:4318839192.6/4

All: 138357.923+/-0.027 χ^2/NDF: 87000024

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 161.963+/-0.043 χ^2/NDF: 1195707.9/17

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 159.236+/-0.041 χ^2/NDF: 1669873.9/20

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

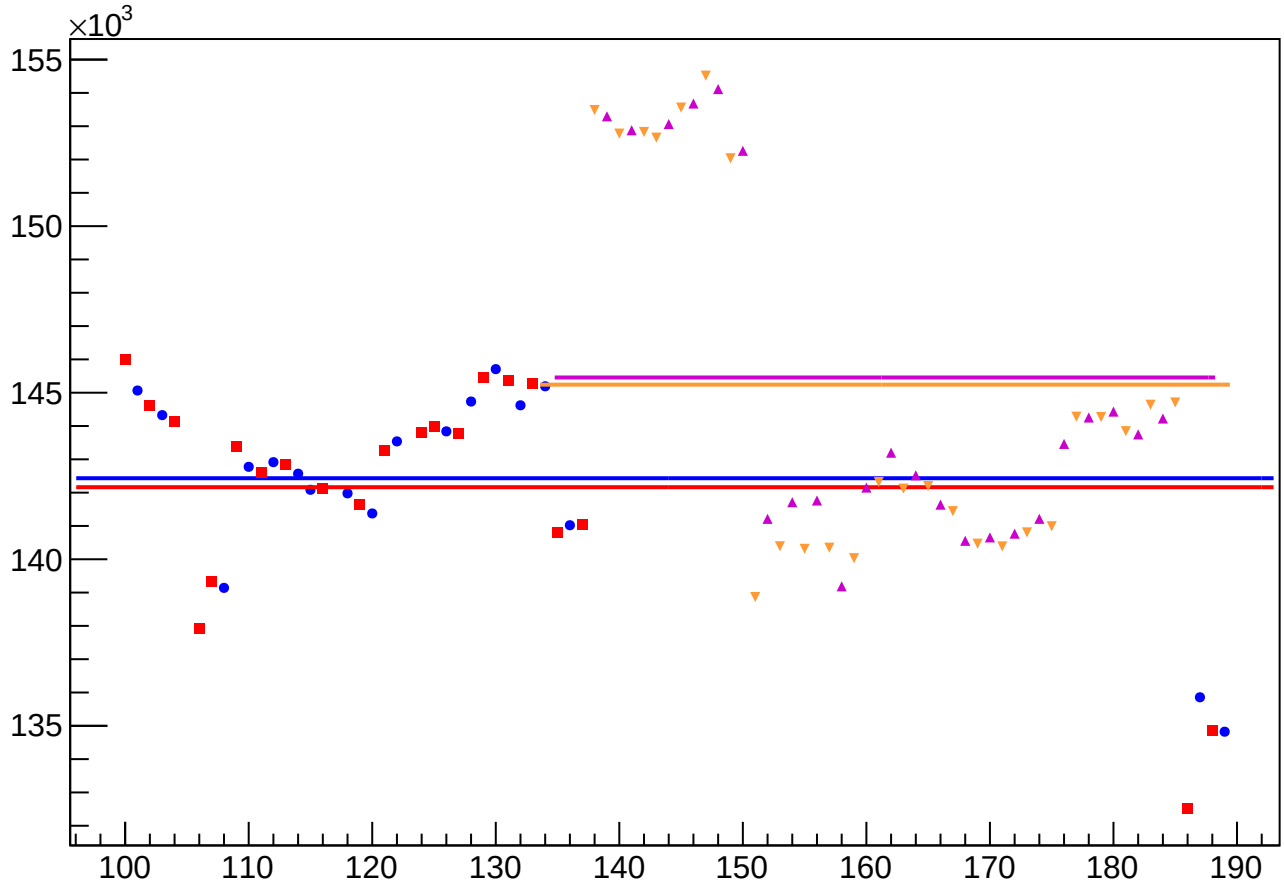
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 160.519+/-0.030 χ^2/NDF: 2867684.5/38

In: 192.516+/-0.028 χ^2/NDF:2659548.3/40

Out: 189.702+/-0.026 χ^2/NDF:3305826.0/45

All: 191.044+/-0.019 χ^2/NDF: 5970779.7/86



Right In: 142432.841+/-0.064 χ^2/NDF: 1600310828.2/17

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 142163.398+/-0.059 χ^2/NDF: 2575851982.3/20

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

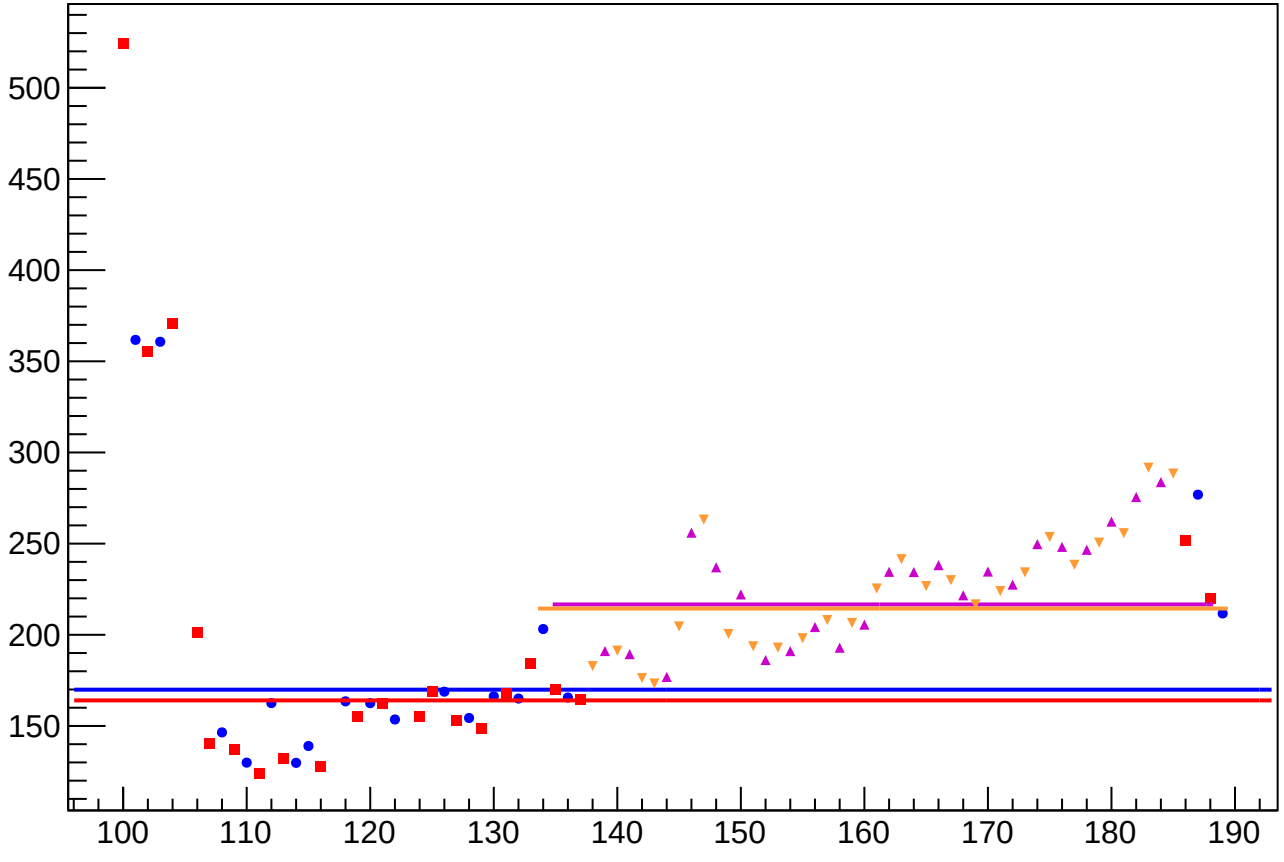
Right: 142287.096+/-0.043 χ^2/NDF: 4185823764.4/

In: 144260.502+/-0.040 χ^2/NDF:14032944757.8/4

Out: 143960.046+/-0.038 χ^2/NDF:17212302098.9

All: 144101.827+/-0.028 χ^2/NDF: 31274895

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 169.906+/-0.045 χ^2/NDF: 965275.8/17

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 164.022+/-0.042 χ^2/NDF: 1261370.5/20

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

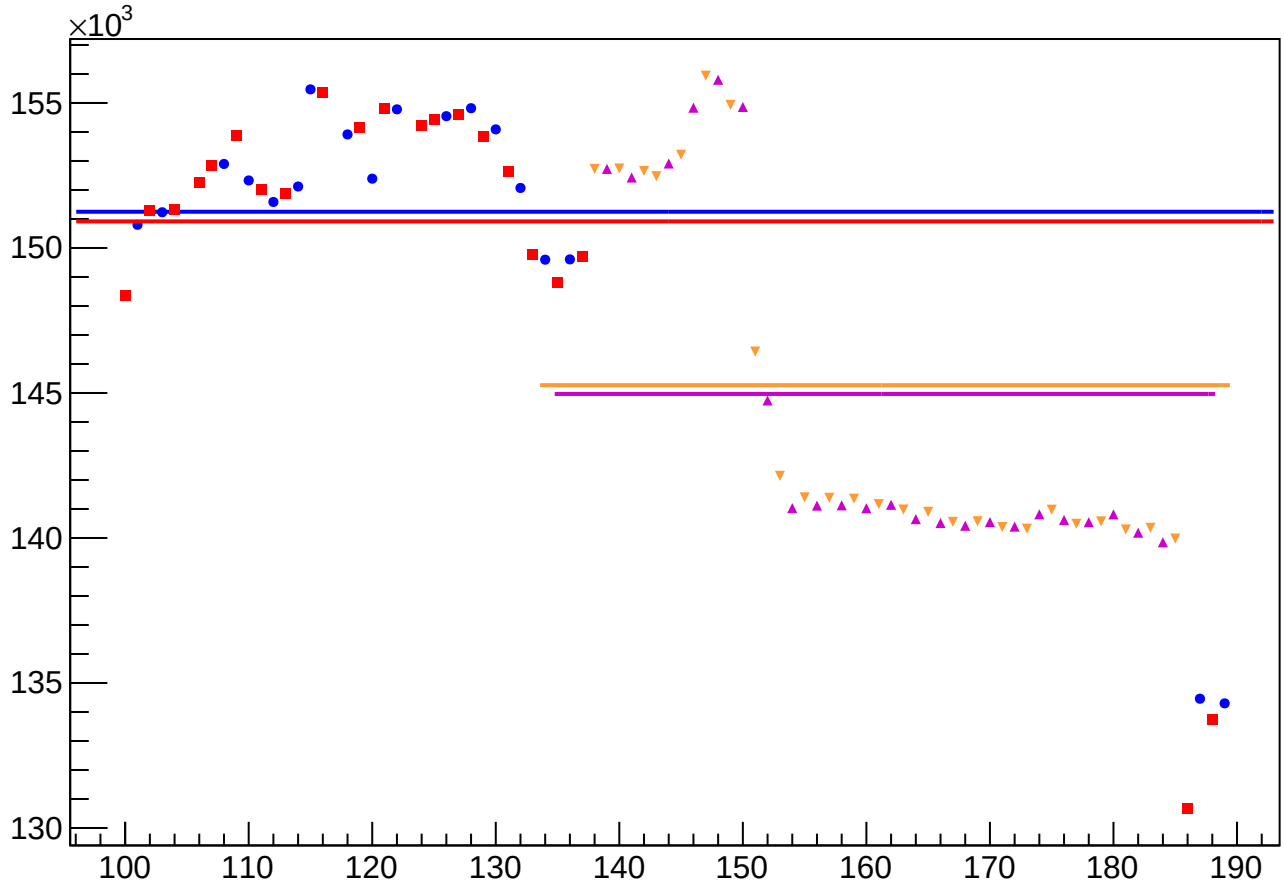
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 166.723+/-0.031 χ^2/NDF: 2235862.3/38

In: 198.161+/-0.028 χ^2/NDF:2202343.0/40

Out: 193.414+/-0.027 χ^2/NDF:2763016.4/45

All: 195.654+/-0.019 χ^2/NDF: 4980164.6/86



Right In: 151249.437+/-0.070 χ^2/NDF: 5137757260.5/17

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150917.021+/-0.063 χ^2/NDF: 9299088405.1/20

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

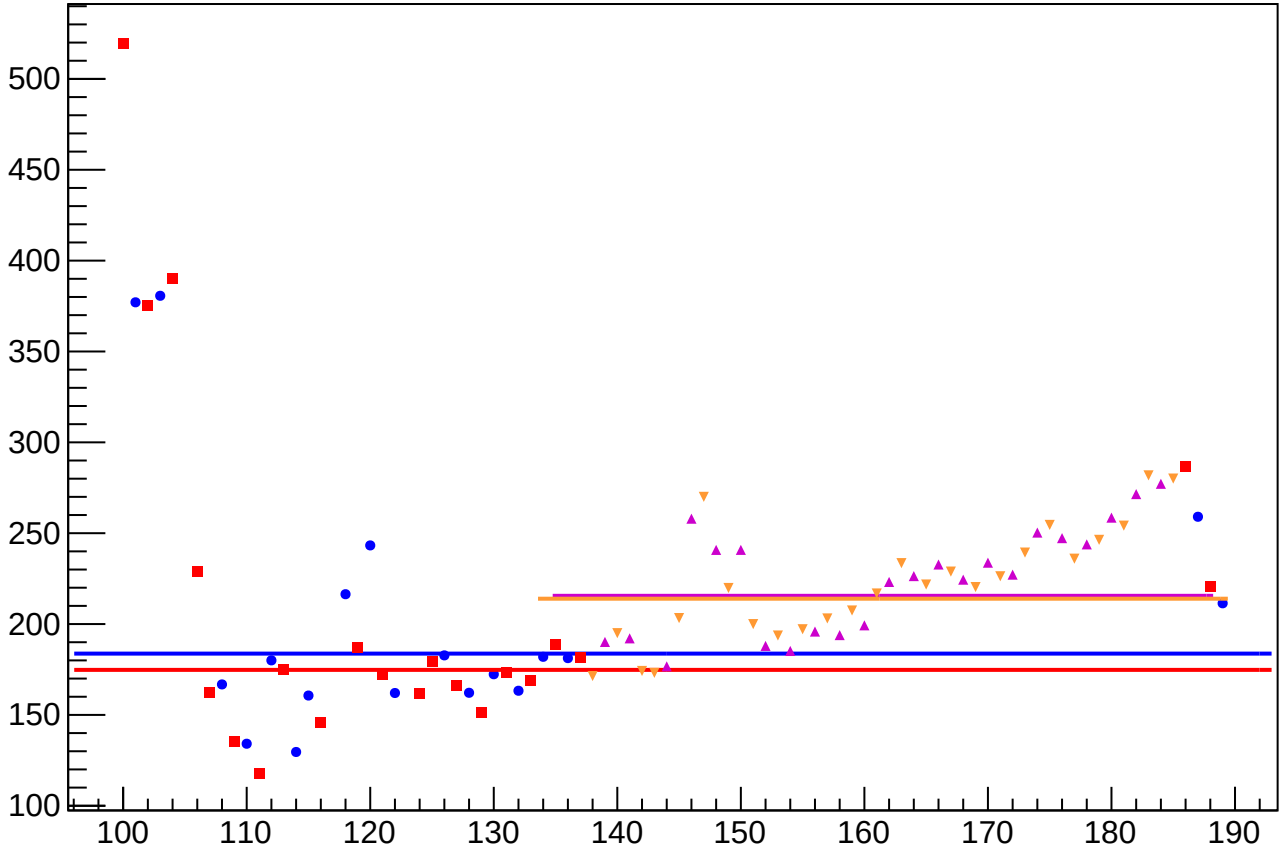
Right: 151066.684+/-0.047 χ^2/NDF: 14449250002.

In: 147157.189+/-0.041 χ^2/NDF:23542297329.4/4

Out: 147405.443+/-0.039 χ^2/NDF:27949744463.0

All: 147288.667+/-0.028 χ^2/NDF: 51511154

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 183.738+/-0.049 χ^2/NDF: 959467.7/17

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 174.781+/-0.045 χ^2/NDF: 1314837.0/20

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

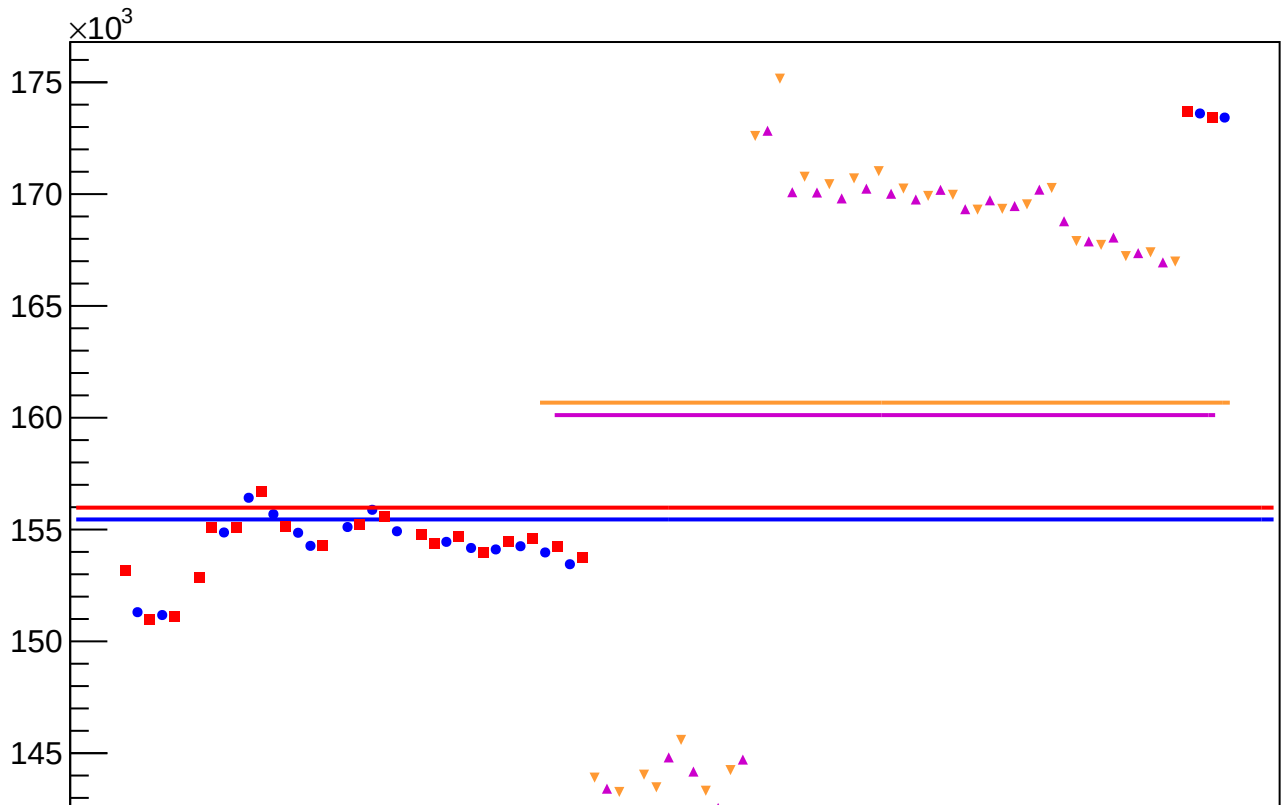
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 178.814+/-0.033 χ^2/NDF: 2292319.2/38

In: 204.450+/-0.029 χ^2/NDF:1829017.4/40

Out: 199.138+/-0.028 χ^2/NDF:2441214.8/45

All: 201.637+/-0.020 χ^2/NDF: 4287736.4/86



Right In: 155451.624+/-0.064 χ^2/NDF: 3441917535.8/17

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 155979.544+/-0.059 χ^2/NDF: 6239518267.0/20

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

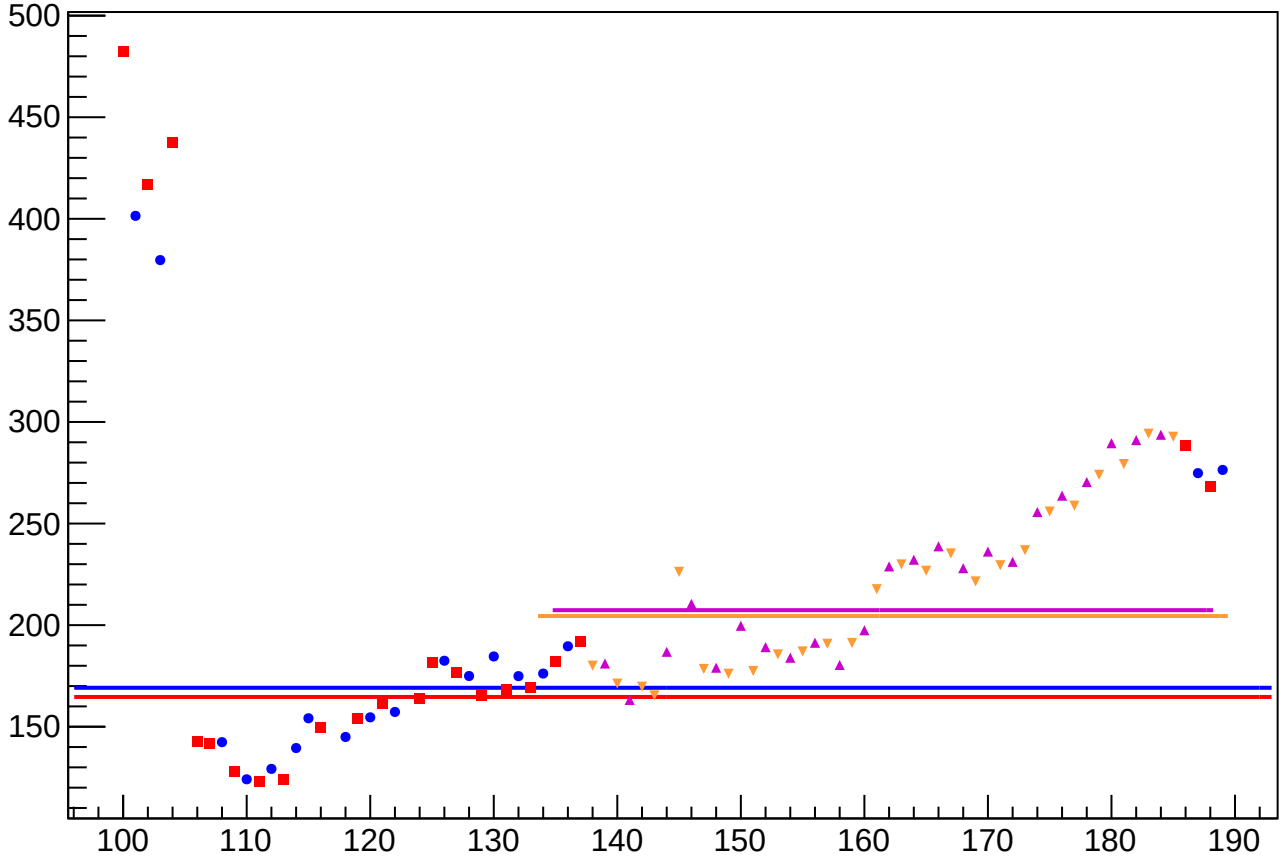
Right: 155736.288+/-0.043 χ^2/NDF: 9718201975.9/

In: 158373.267+/-0.039 χ^2/NDF:73330181883.9/4

Out: 158837.275+/-0.037 χ^2/NDF:84236140119.9

All: 158618.174+/-0.027 χ^2/NDF: 15764069

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 169.165+/-0.045 χ^2/NDF: 1295349.3/17

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 164.646+/-0.042 χ^2/NDF: 1717192.4/20

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

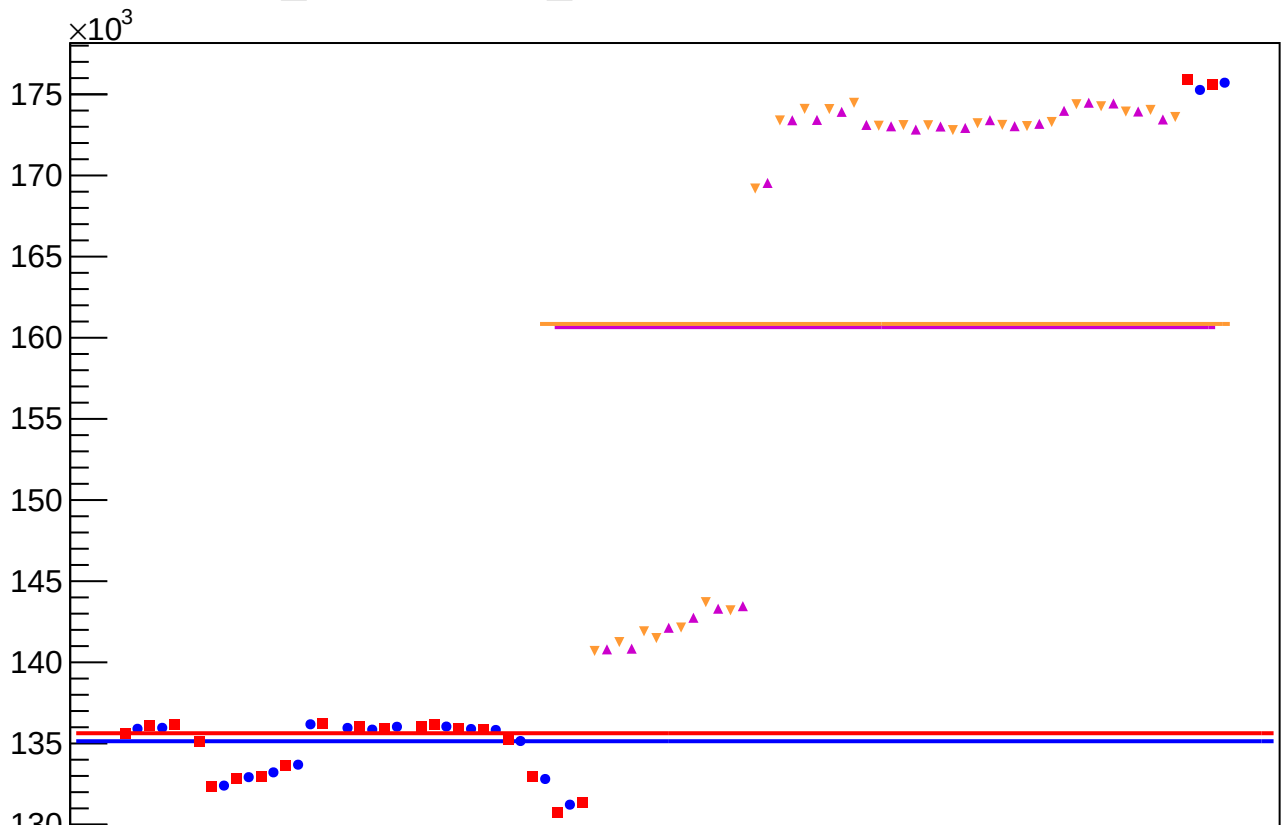
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 166.729+/-0.031 χ^2/NDF: 3017929.8/38

In: 193.087+/-0.028 χ^2/NDF:2699157.1/40

Out: 188.888+/-0.026 χ^2/NDF:3343259.5/45

All: 190.871+/-0.019 χ^2/NDF: 6054596.6/86



Right In: 135139.060+/-0.050 χ^2/NDF: 14947115653.1/17

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 135631.811+/-0.047 χ^2/NDF: 27093761503.7/20

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

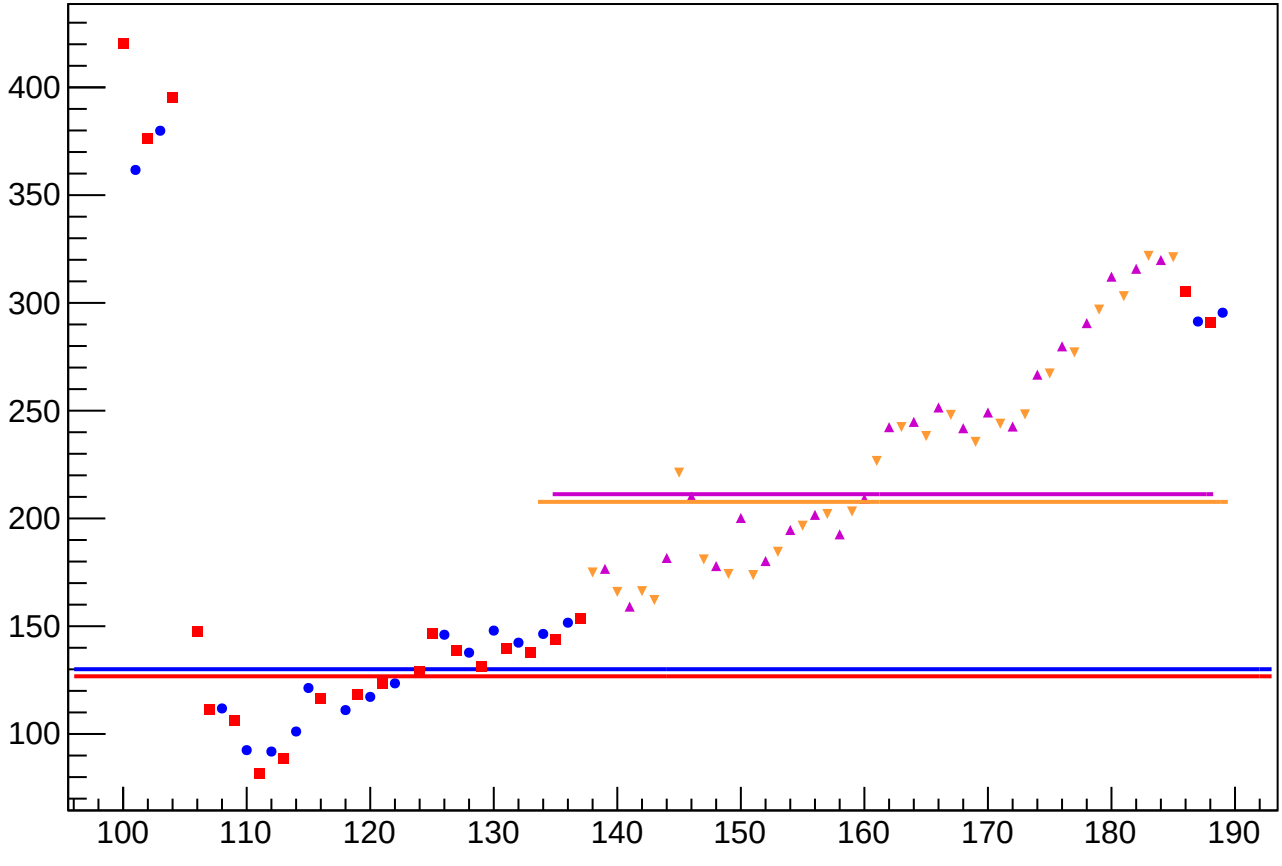
Right: 135401.379+/-0.034 χ^2/NDF: 42091982074.

In: 147816.986+/-0.036 χ^2/NDF:232991260081.0

Out: 147900.201+/-0.034 χ^2/NDF:265552198644.

All: 147860.861+/-0.025 χ^2/NDF: 49854632

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 130.055+/-0.036 χ^2/NDF: 1932782.7/17

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 126.763+/-0.033 χ^2/NDF: 2549288.4/20

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

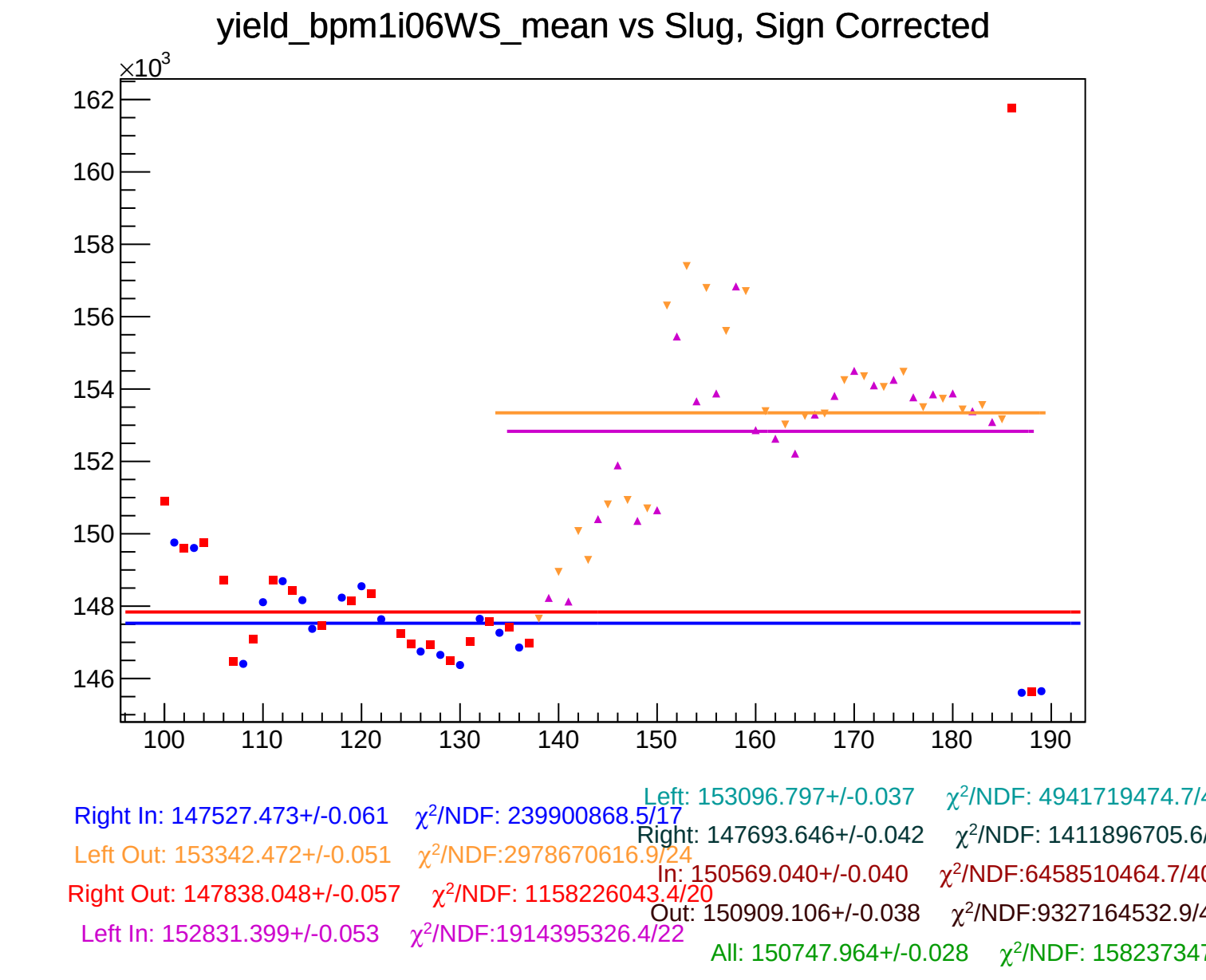
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 128.303+/-0.024 χ^2/NDF: 4486634.2/38

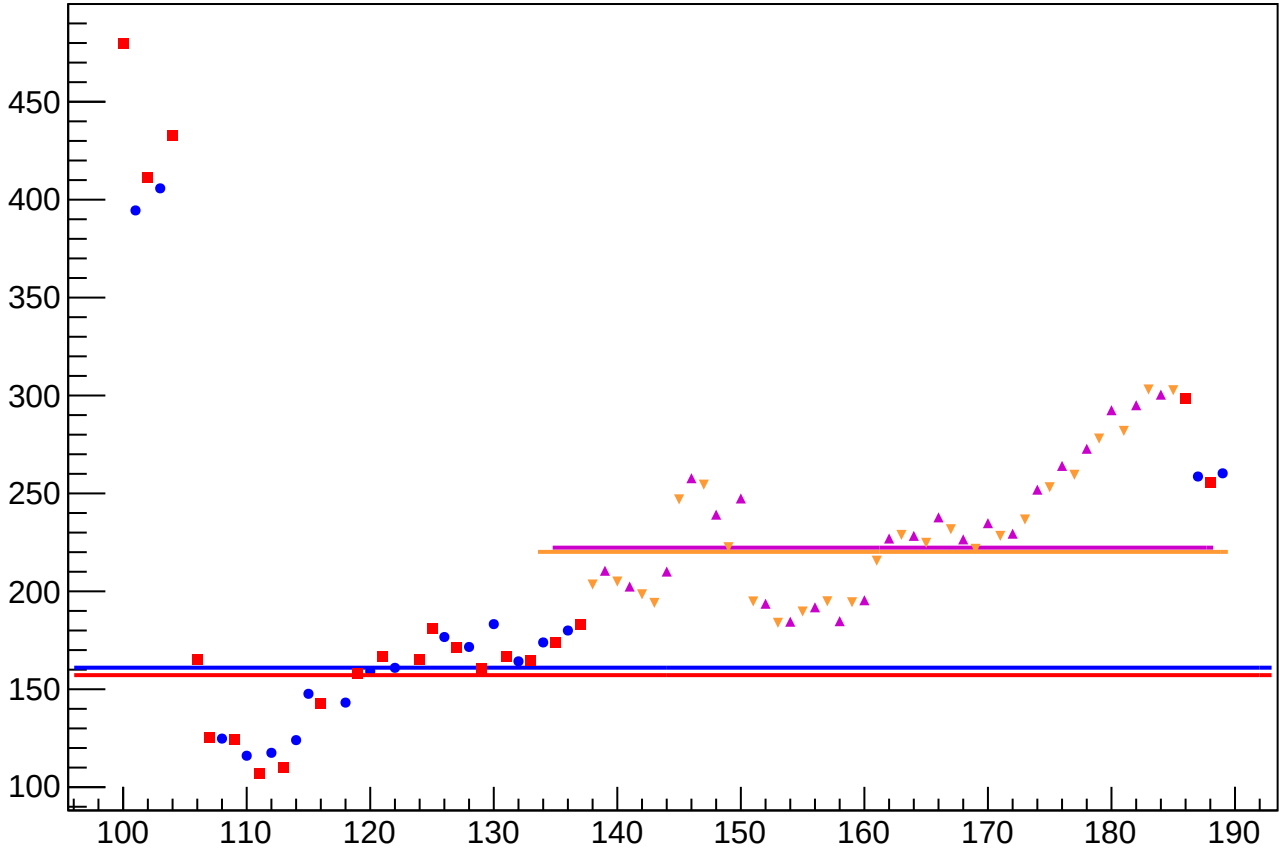
In: 170.401+/-0.025 χ^2/NDF:5829037.9/40

Out: 166.131+/-0.024 χ^2/NDF:6917841.0/45

All: 168.150+/-0.017 χ^2/NDF: 12761991.1/86


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
162
160
158
156
154
152
150
148
146
100
110
120
130
140
150
160
170
180
190
Right In: 147527.473+/-0.061 χ²/NDF: 239900868.5/17
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 147838.048+/-0.057 χ²/NDF: 1158226043.4/20
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
Left: 153096.797+/-0.037 χ²/NDF: 4941719474.7/4
Right: 147693.646+/-0.042 χ²/NDF: 1411896705.6/
In: 150569.040+/-0.040 χ²/NDF:6458510464.7/40
Out: 150909.106+/-0.038 χ²/NDF:9327164532.9/4
All: 150747.964+/-0.028 χ²/NDF: 15823734

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 161.014+/-0.043 χ^2/NDF: 1481272.3/17

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 157.204+/-0.040 χ^2/NDF: 1948077.7/20

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

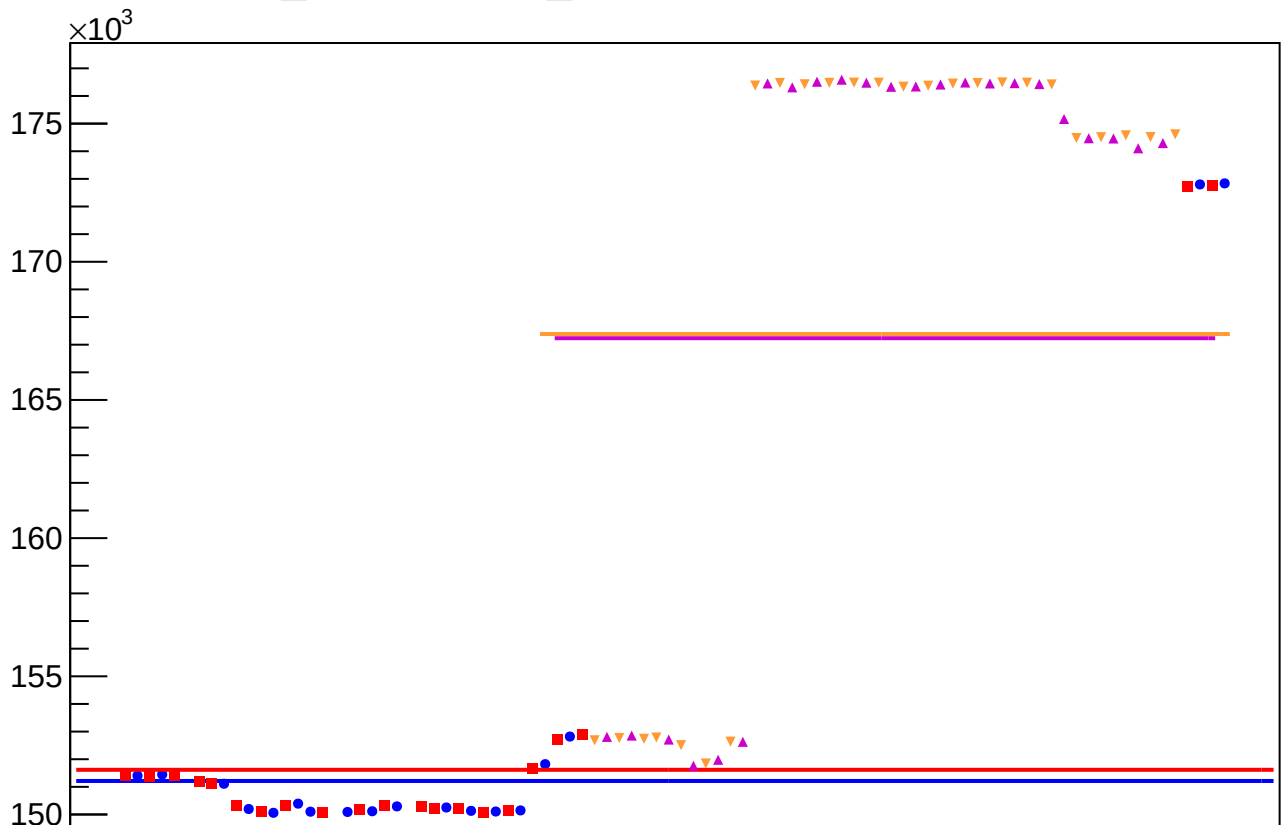
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 158.975+/-0.030 χ^2/NDF: 3433493.4/38

In: 196.161+/-0.028 χ^2/NDF:3328395.7/40

Out: 192.326+/-0.027 χ^2/NDF:3991380.9/45

All: 194.144+/-0.019 χ^2/NDF: 7329455.4/86



Right In: 151212.768+/-0.054 χ^2/NDF: 5044604678.4/17

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151616.751+/-0.050 χ^2/NDF: 9203628484.8/20

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

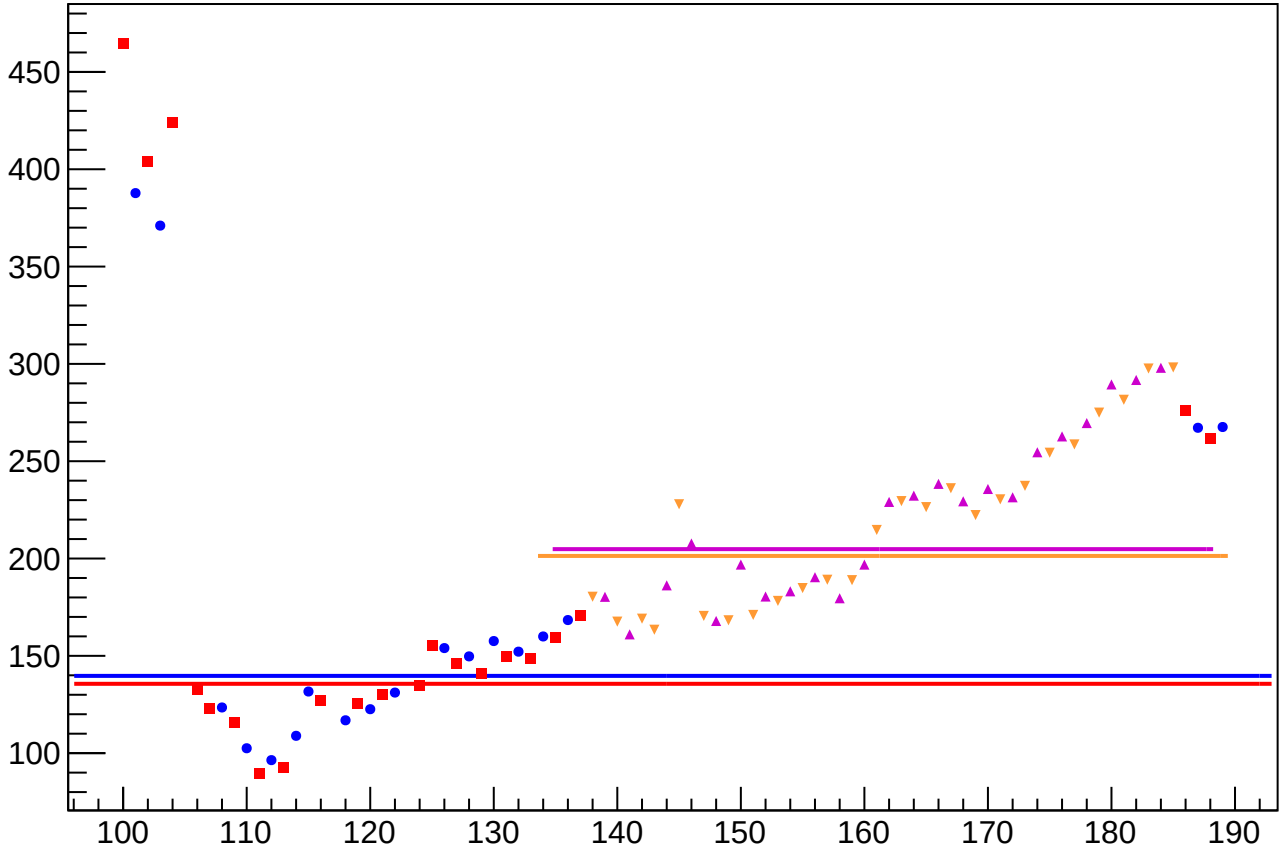
Right: 151430.571+/-0.037 χ^2/NDF: 14278615848.5

In: 159993.157+/-0.036 χ^2/NDF:108719047580.2

Out: 159994.560+/-0.034 χ^2/NDF:122171376839.

All: 159993.901+/-0.025 χ^2/NDF: 23089042

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 139.704+/-0.038 χ^2/NDF: 1752274.6/17

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 135.630+/-0.035 χ^2/NDF: 2299519.4/20

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

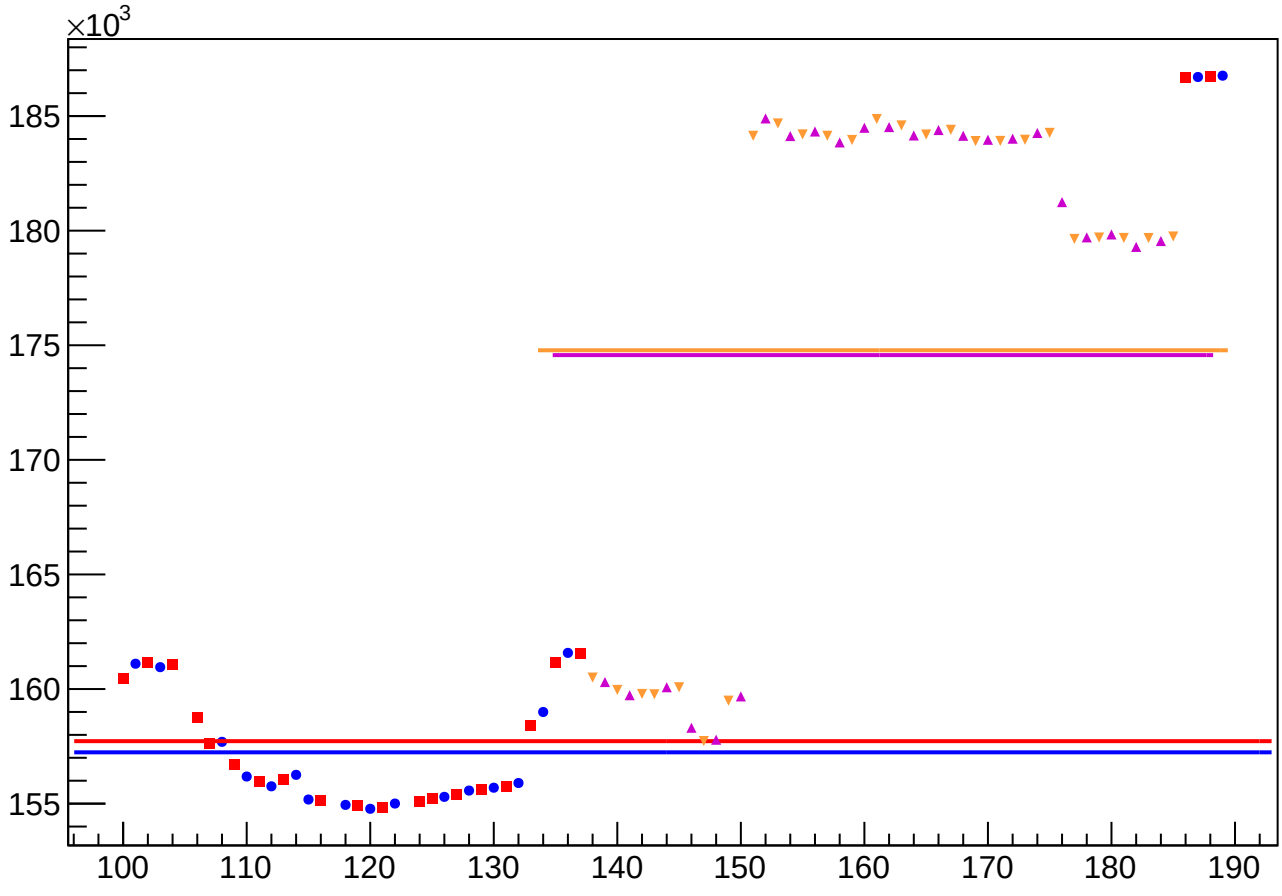
Right: 137.508+/-0.026 χ^2/NDF: 4057971.3/38

In: 175.393+/-0.026 χ^2/NDF:4410499.7/40

Out: 170.535+/-0.024 χ^2/NDF:5382856.8/45

All: 172.818+/-0.018 χ^2/NDF: 9812471.1/86

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 157238.285+/-0.056 χ^2/NDF: 8415968874.5/17

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 157725.834+/-0.052 χ^2/NDF: 14666831205.5/20

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

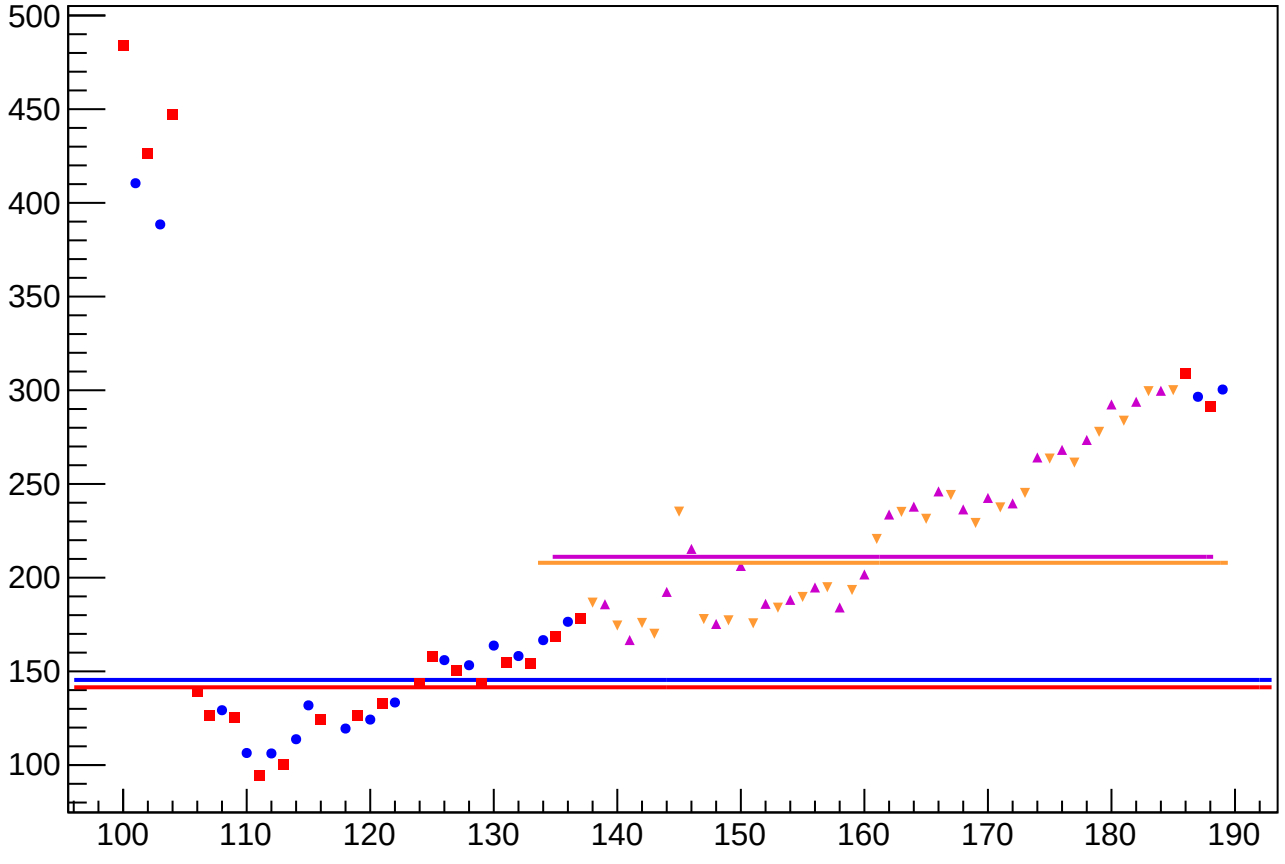
Right: 157500.491+/-0.038 χ^2/NDF: 23123424928.

In: 166839.553+/-0.037 χ^2/NDF:116055043225.0

Out: 166898.690+/-0.035 χ^2/NDF:130646661694.

All: 166870.834+/-0.026 χ^2/NDF: 24670302

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 145.434+/-0.040 χ^2/NDF: 1779778.3/17

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 141.503+/-0.037 χ^2/NDF: 2354955.3/20

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

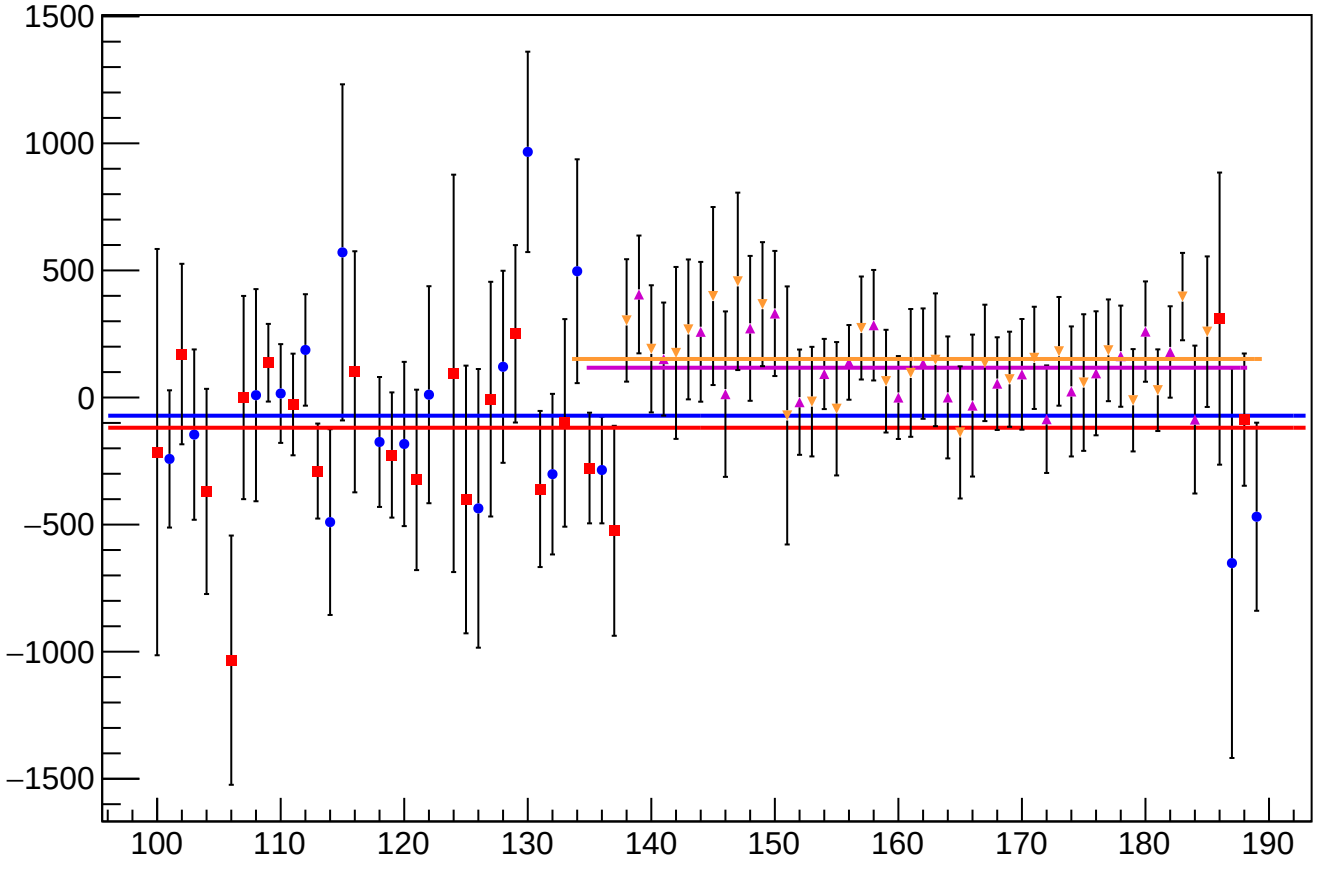
Right: 143.320+/-0.027 χ^2/NDF: 4140014.7/38

In: 181.830+/-0.026 χ^2/NDF:4293236.7/40

Out: 177.236+/-0.025 χ^2/NDF:5242685.7/45

All: 179.400+/-0.018 χ^2/NDF: 9551828.3/86

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -71.565+/-74.646 χ^2/NDF: 17.2/17

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -118.934+/-65.812 χ^2/NDF: 13.4/20

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

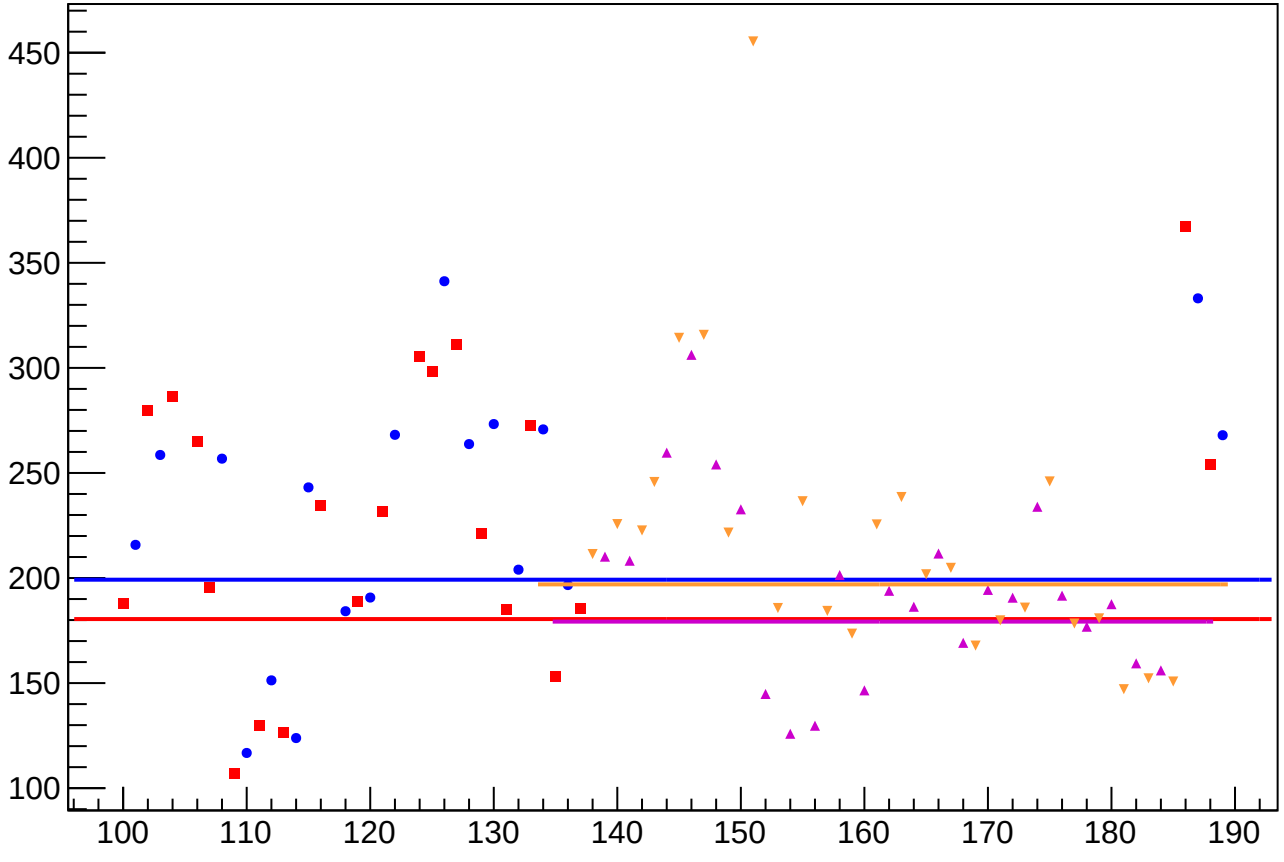
Right: -98.217+/-49.366 χ^2/NDF: 30.9/38

In: 68.862+/-37.763 χ^2/NDF:29.5/40

Out: 61.724+/-37.933 χ^2/NDF:34.3/45

All: 65.309+/-26.762 χ^2/NDF: 63.8/86

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 199.205+/-0.053 χ^2/NDF: 1165209.1/17

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.472+/-0.047 χ^2/NDF: 2029367.0/20

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

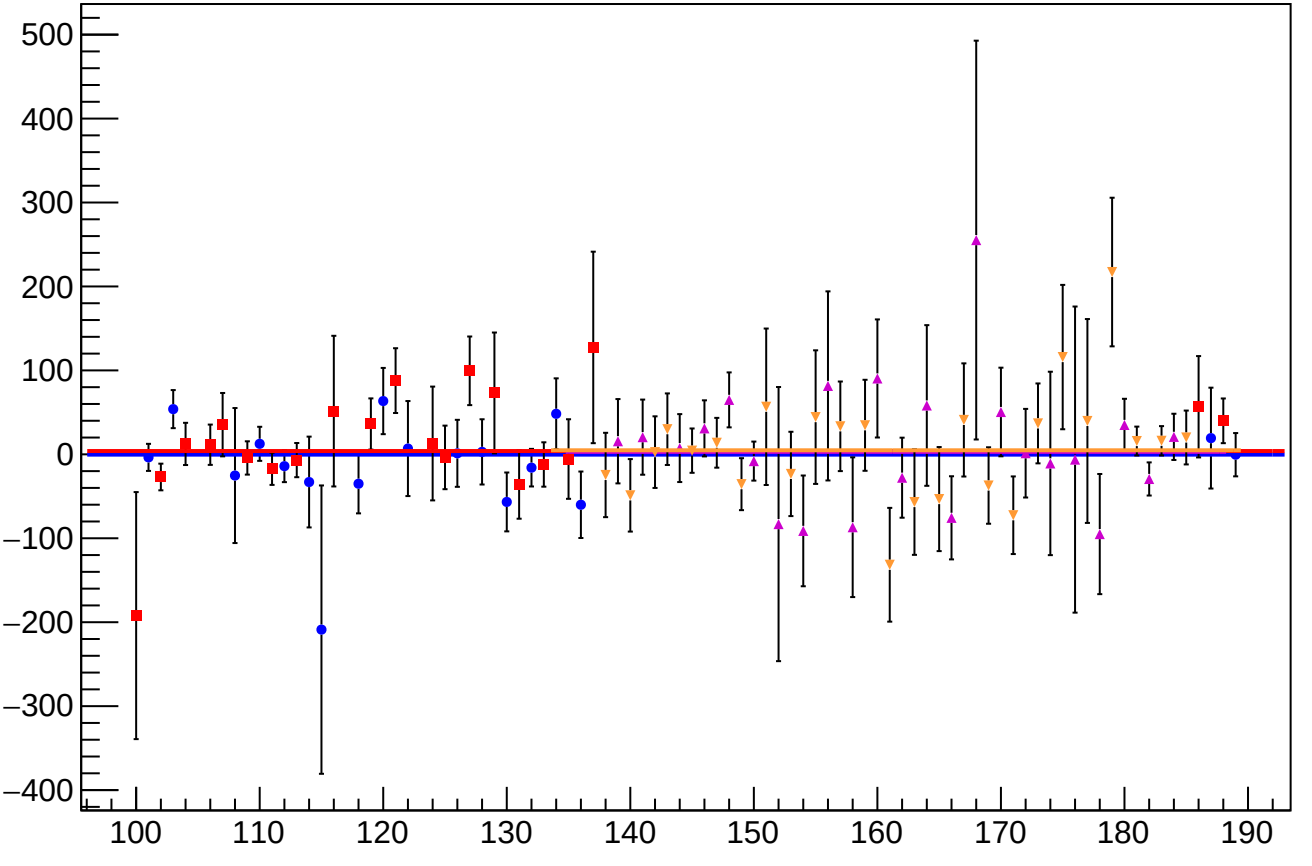
Right: 188.665+/-0.035 χ^2/NDF: 3265448.2/38

In: 184.361+/-0.027 χ^2/NDF:2927517.1/40

Out: 191.493+/-0.027 χ^2/NDF:3922662.2/45

All: 187.911+/-0.019 χ^2/NDF: 6885680.1/86

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.338+/-7.011 χ^2/NDF: 19.0/17

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 3.926+/-6.520 χ^2/NDF: 25.8/20

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

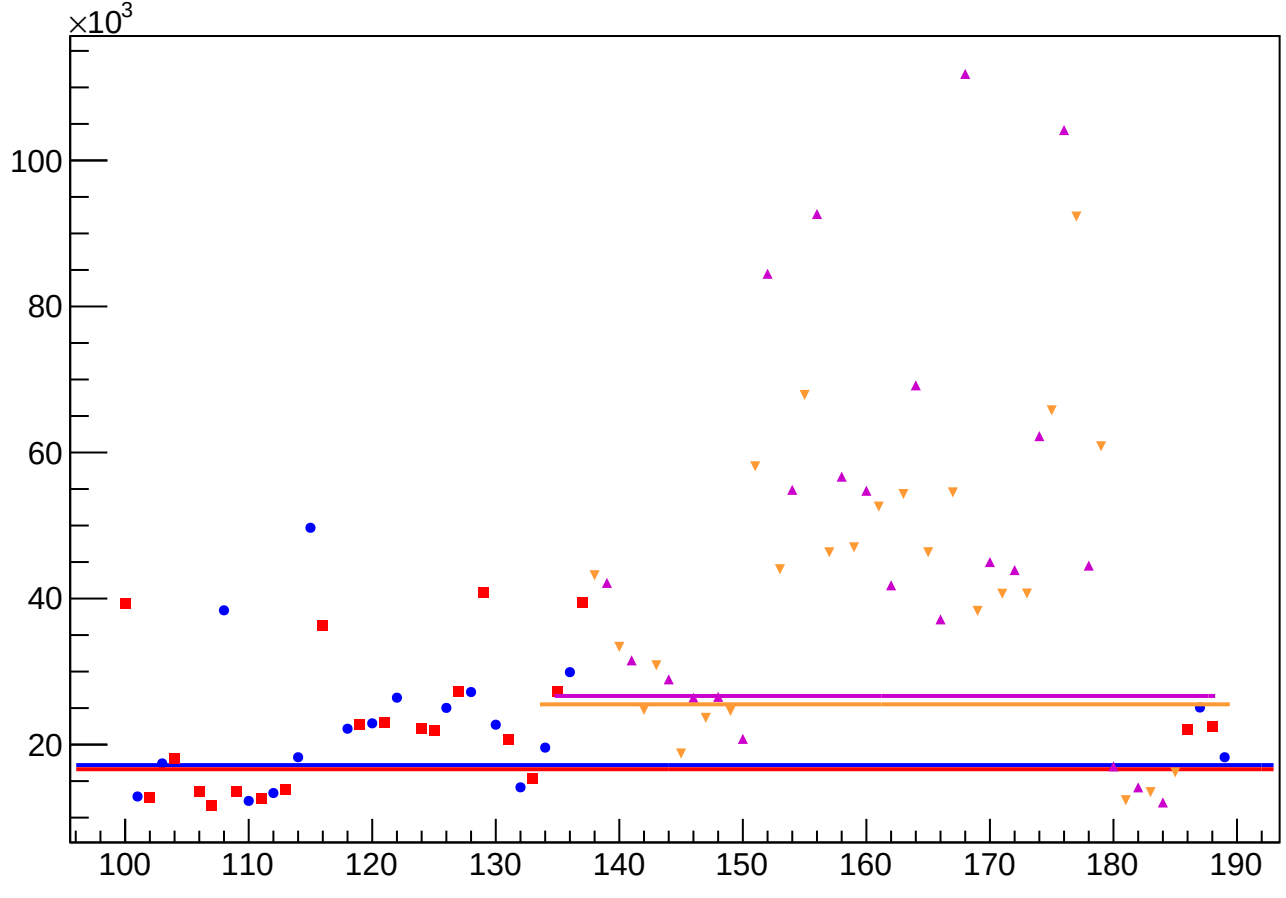
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.948+/-4.775 χ^2/NDF: 45.0/38

In: 0.919+/-5.493 χ^2/NDF:40.6/40

Out: 4.298+/-4.949 χ^2/NDF:50.2/45

All: 2.784+/-3.677 χ^2/NDF: 91.0/86



Right In: 17191.317+/-4.958 χ^2/NDF: 1233576.0/17

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 16626.710+/-4.610 χ^2/NDF: 1372226.0/20

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

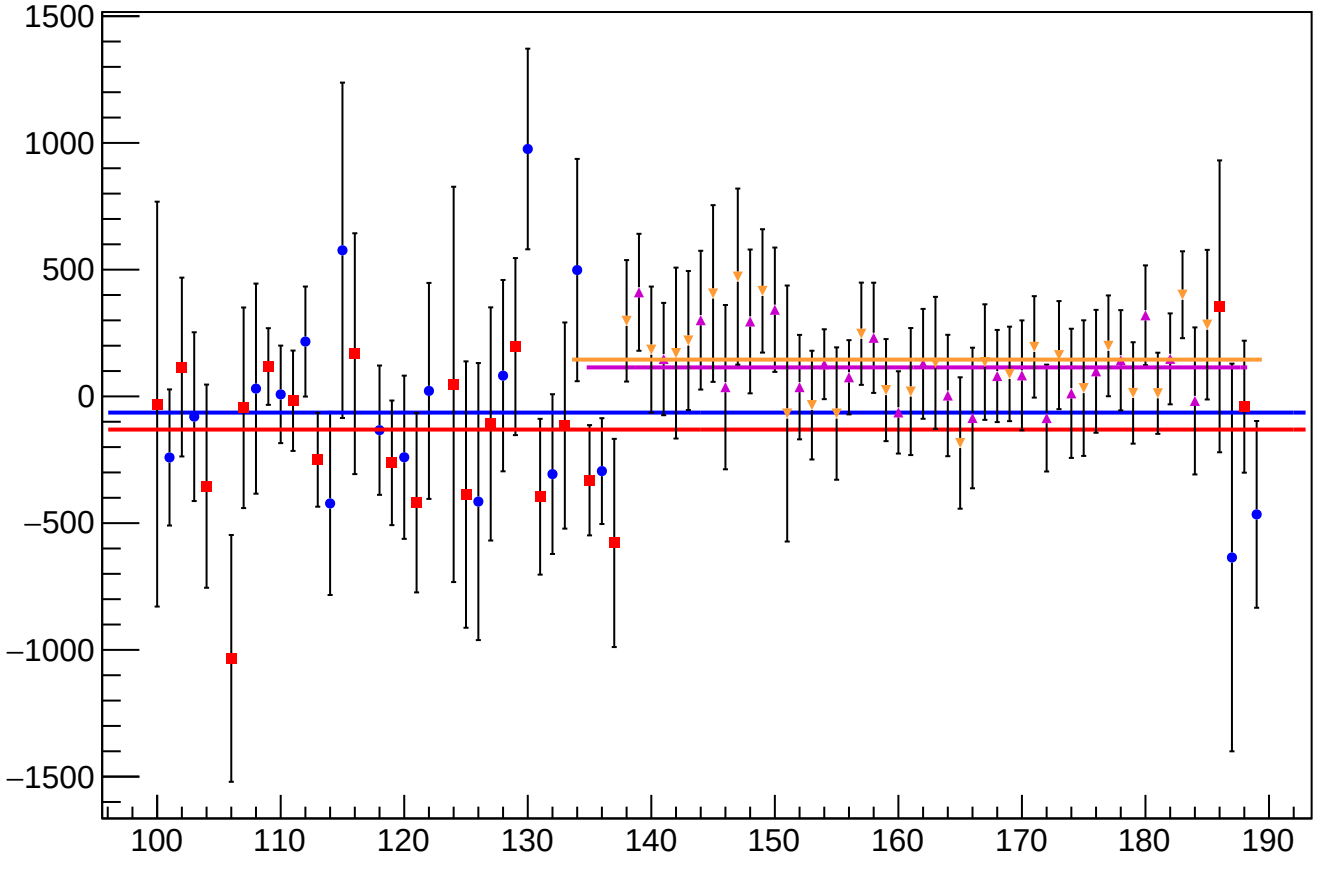
Right: 16888.540+/-3.376 χ^2/NDF: 2612756.7/38

In: 20847.979+/-3.884 χ^2/NDF:8525479.8/40

Out: 20393.496+/-3.499 χ^2/NDF:10689462.3/45

All: 20597.102+/-2.600 χ^2/NDF: 19222498.6

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -63.877+/-74.227 χ^2/NDF: 17.3/17

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -130.849+/-65.438 χ^2/NDF: 13.9/20

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

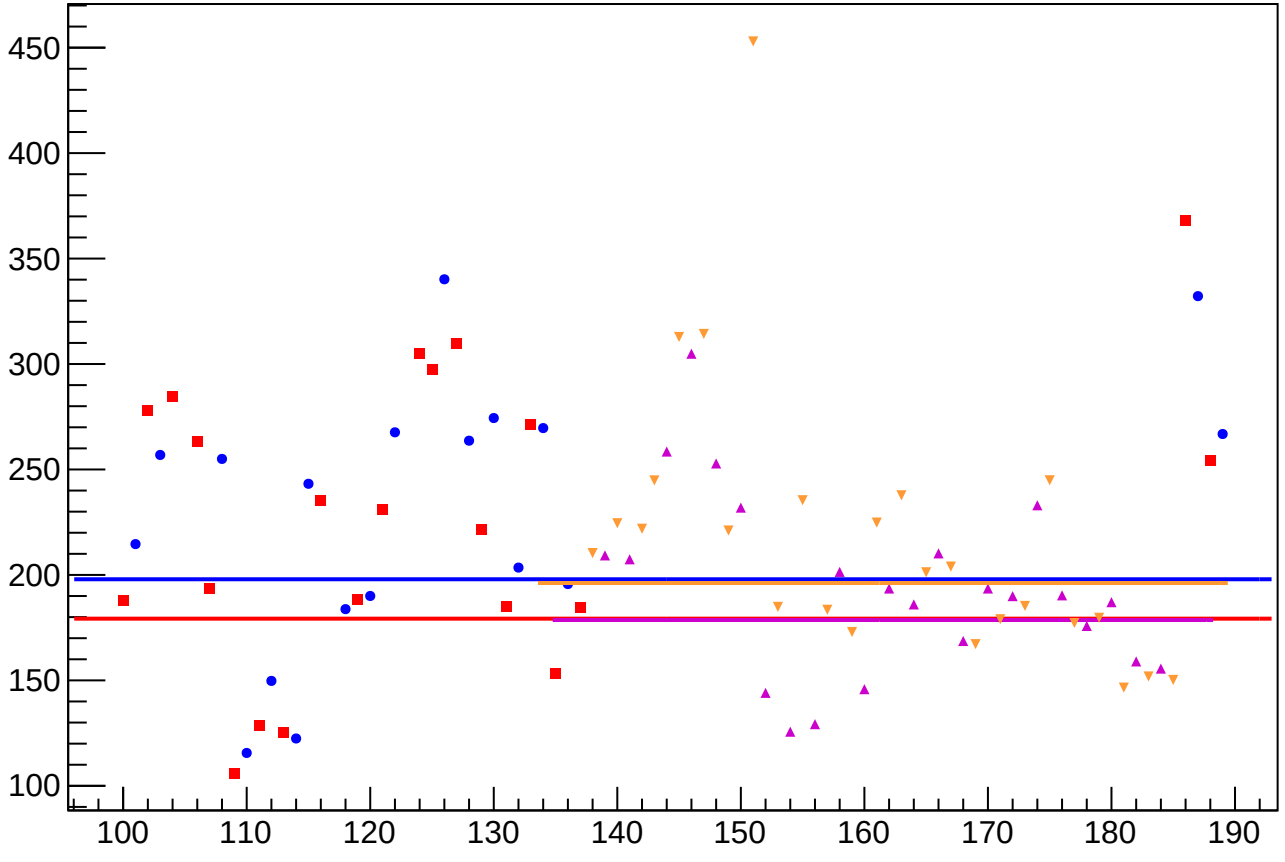
Right: -101.561+/-49.087 χ^2/NDF: 31.6/38

In: 68.639+/-37.607 χ^2/NDF:30.0/40

Out: 53.289+/-37.756 χ^2/NDF:37.0/45

All: 60.994+/-26.644 χ^2/NDF: 67.0/86

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 197.945+/-0.052 χ^2/NDF: 1187599.0/17

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 179.263+/-0.046 χ^2/NDF: 2061034.5/20

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

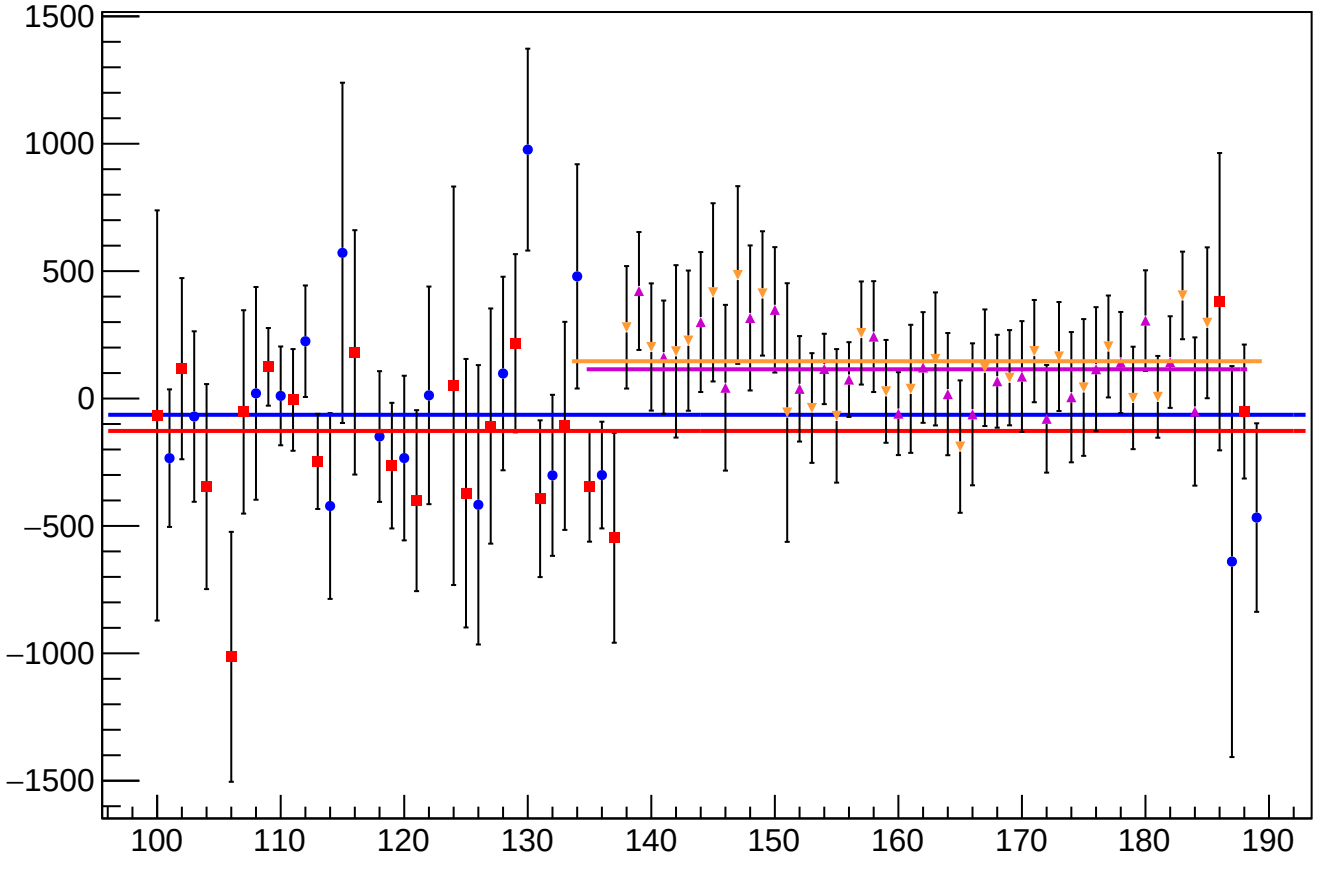
Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

Right: 187.433+/-0.035 χ^2/NDF: 3319914.3/38

In: 183.581+/-0.027 χ^2/NDF:2940226.9/40

Out: 190.539+/-0.027 χ^2/NDF:3956917.3/45

All: 187.046+/-0.019 χ^2/NDF: 6931242.9/86



Right In: -63.816+/-74.634 χ^2/NDF: 17.2/17

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -127.148+/-65.827 χ^2/NDF: 13.8/20

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

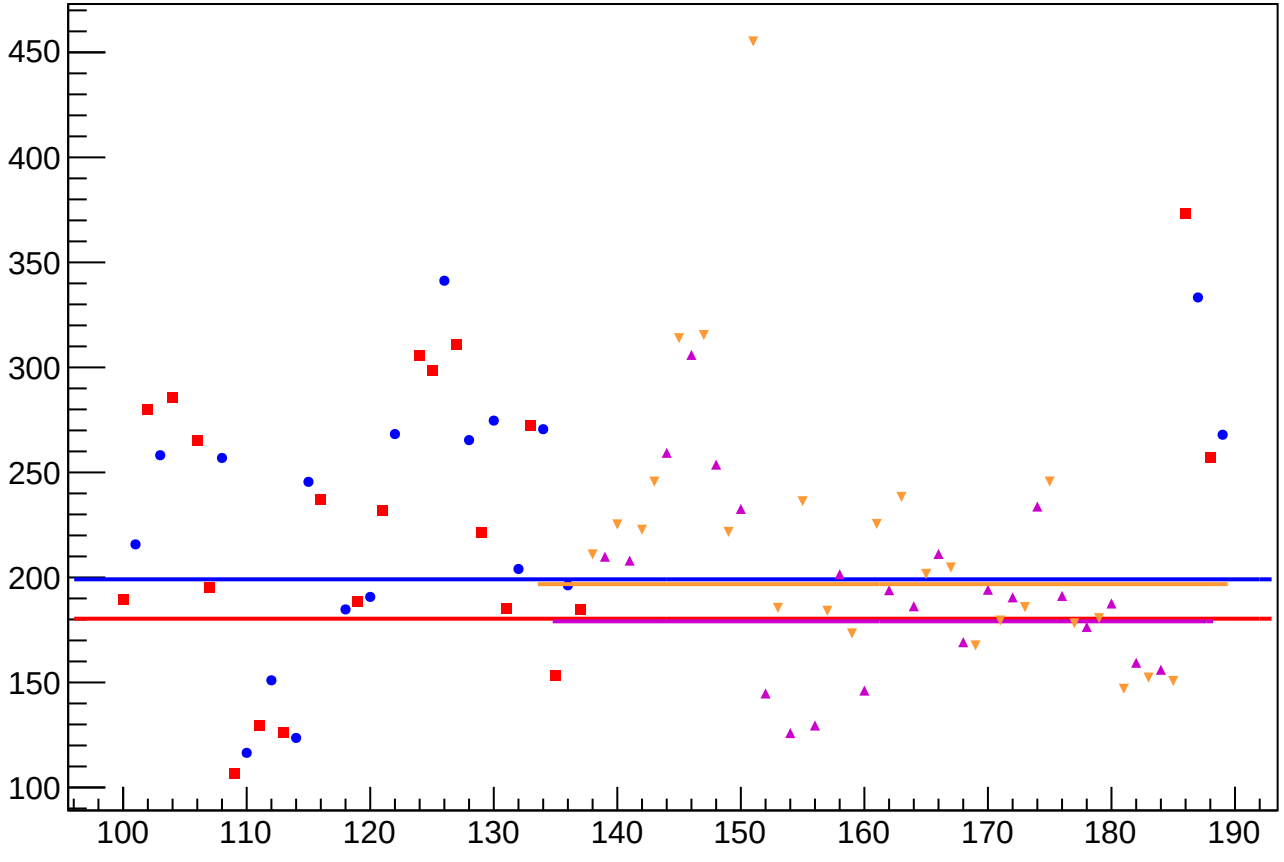
Right: -99.438+/-49.368 χ^2/NDF: 31.4/38

In: 69.140+/-37.737 χ^2/NDF:29.9/40

Out: 55.668+/-37.914 χ^2/NDF:36.7/45

All: 62.435+/-26.746 χ^2/NDF: 66.7/86

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 199.105+/-0.053 χ^2/NDF: 1175779.6/17

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 180.357+/-0.047 χ^2/NDF: 2056498.2/20

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

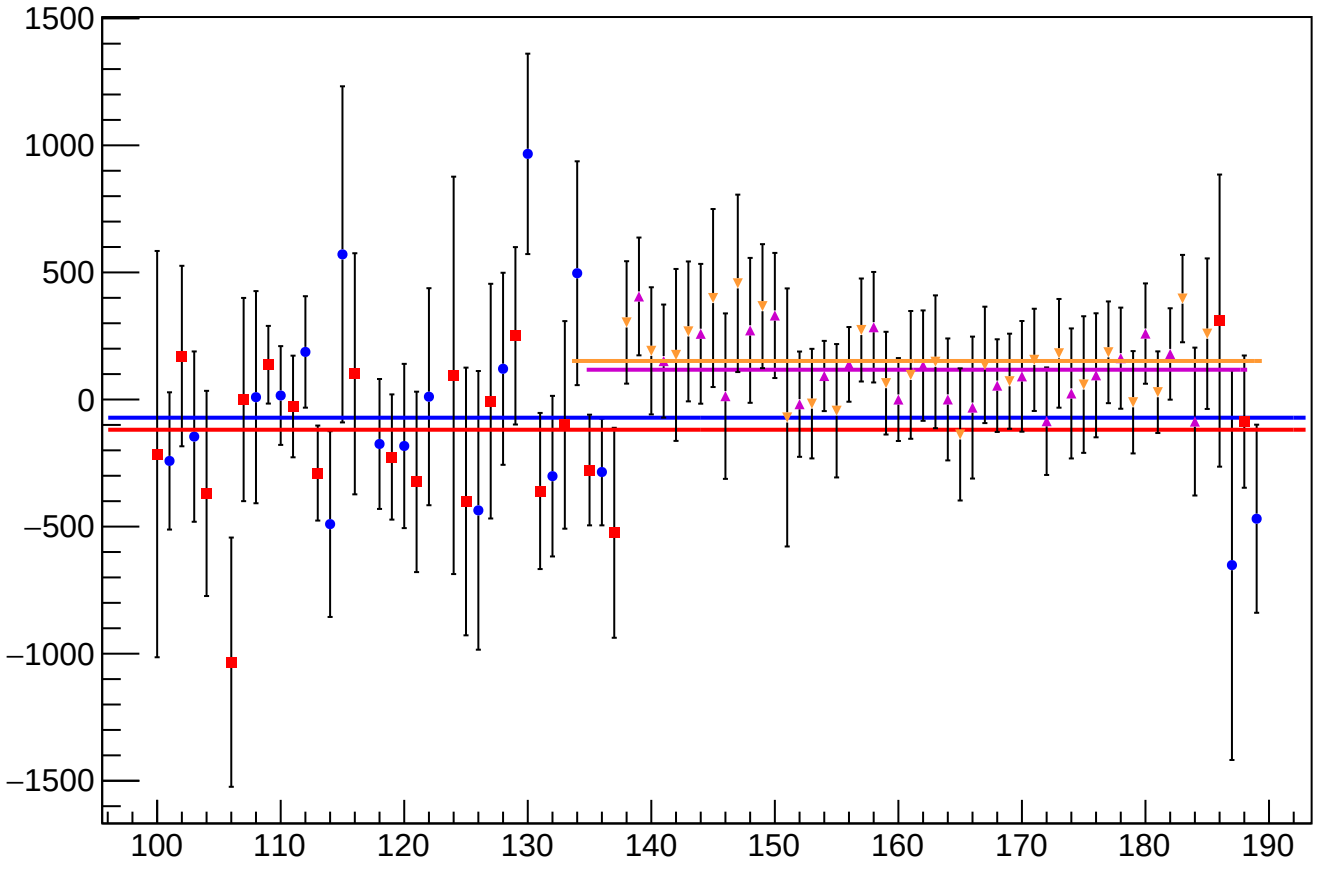
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 188.560+/-0.035 χ^2/NDF: 3303263.4/38

In: 184.215+/-0.027 χ^2/NDF:2938596.7/40

Out: 191.349+/-0.027 χ^2/NDF:3948555.4/45

All: 187.765+/-0.019 χ^2/NDF: 6922720.8/86



Right In: -71.565+/-74.646 χ^2/NDF: 17.2/17

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -118.934+/-65.812 χ^2/NDF: 13.4/20

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

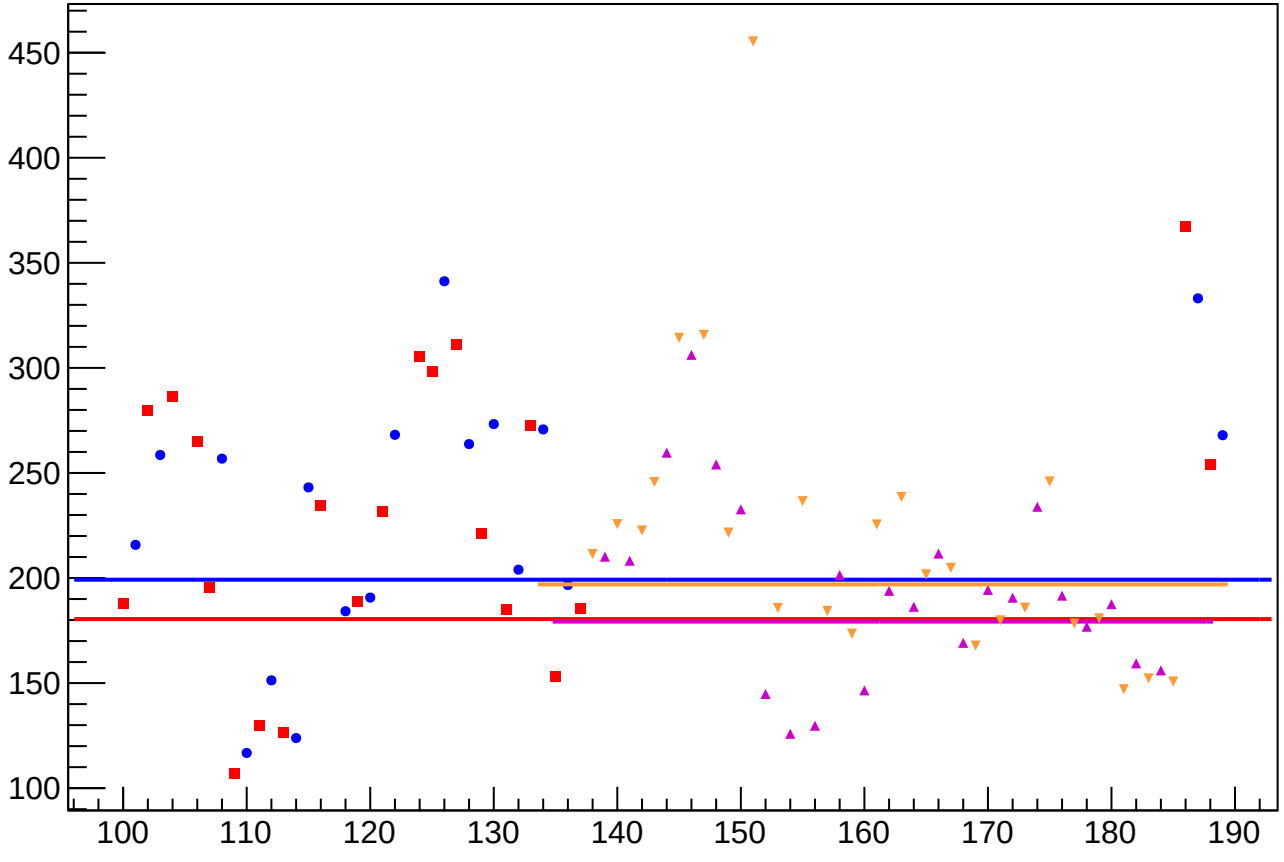
Right: -98.217+/-49.366 χ^2/NDF: 30.9/38

In: 68.862+/-37.763 χ^2/NDF:29.5/40

Out: 61.724+/-37.933 χ^2/NDF:34.3/45

All: 65.309+/-26.762 χ^2/NDF: 63.8/86

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 199.205+/-0.053 χ^2/NDF: 1165209.1/17

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.472+/-0.047 χ^2/NDF: 2029367.0/20

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

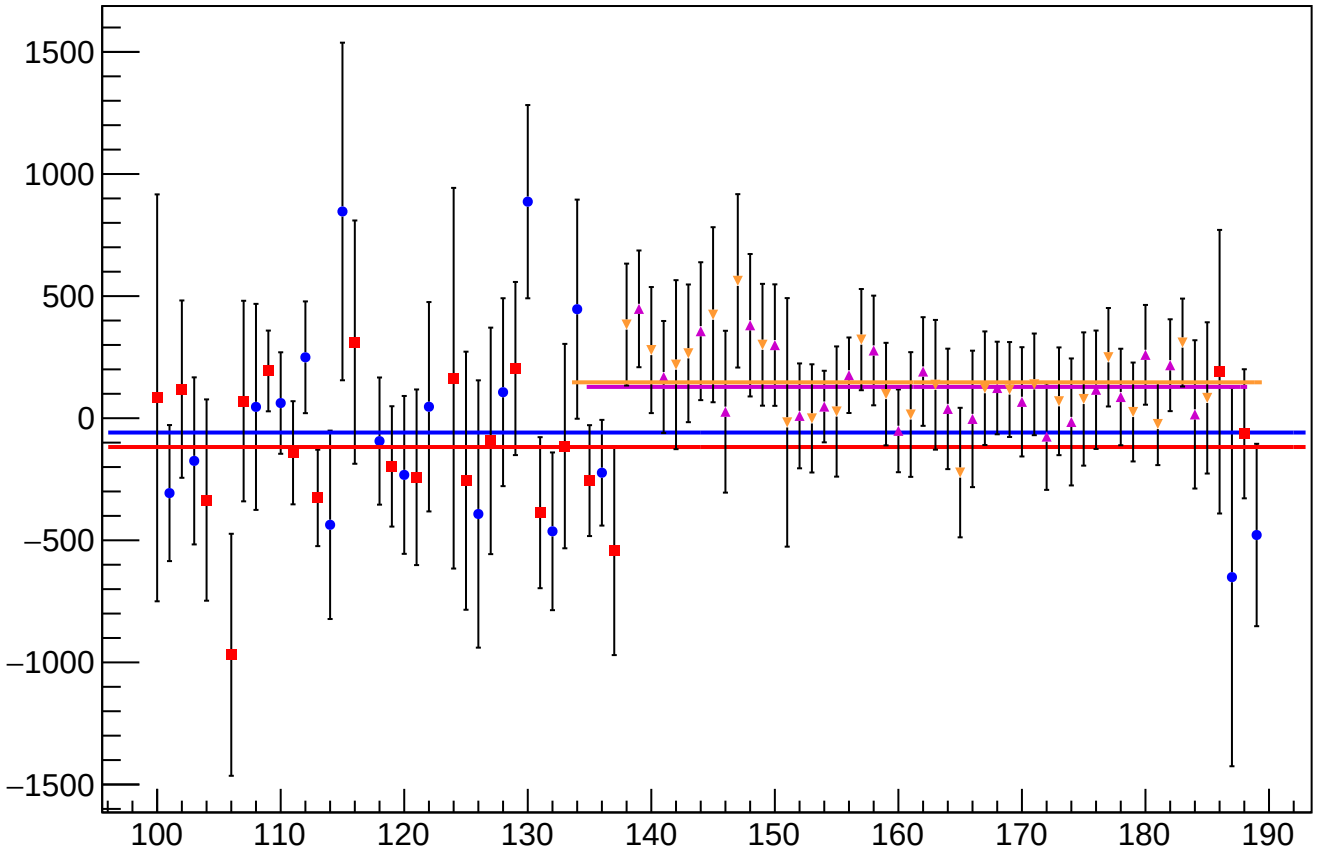
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 188.665+/-0.035 χ^2/NDF: 3265448.2/38

In: 184.361+/-0.027 χ^2/NDF:2927517.1/40

Out: 191.493+/-0.027 χ^2/NDF:3922662.2/45

All: 187.911+/-0.019 χ^2/NDF: 6885680.1/86



Right In: -58.666+/-76.904 χ^2/NDF: 17.7/17

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -117.970+/-68.369 χ^2/NDF: 13.0/20

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

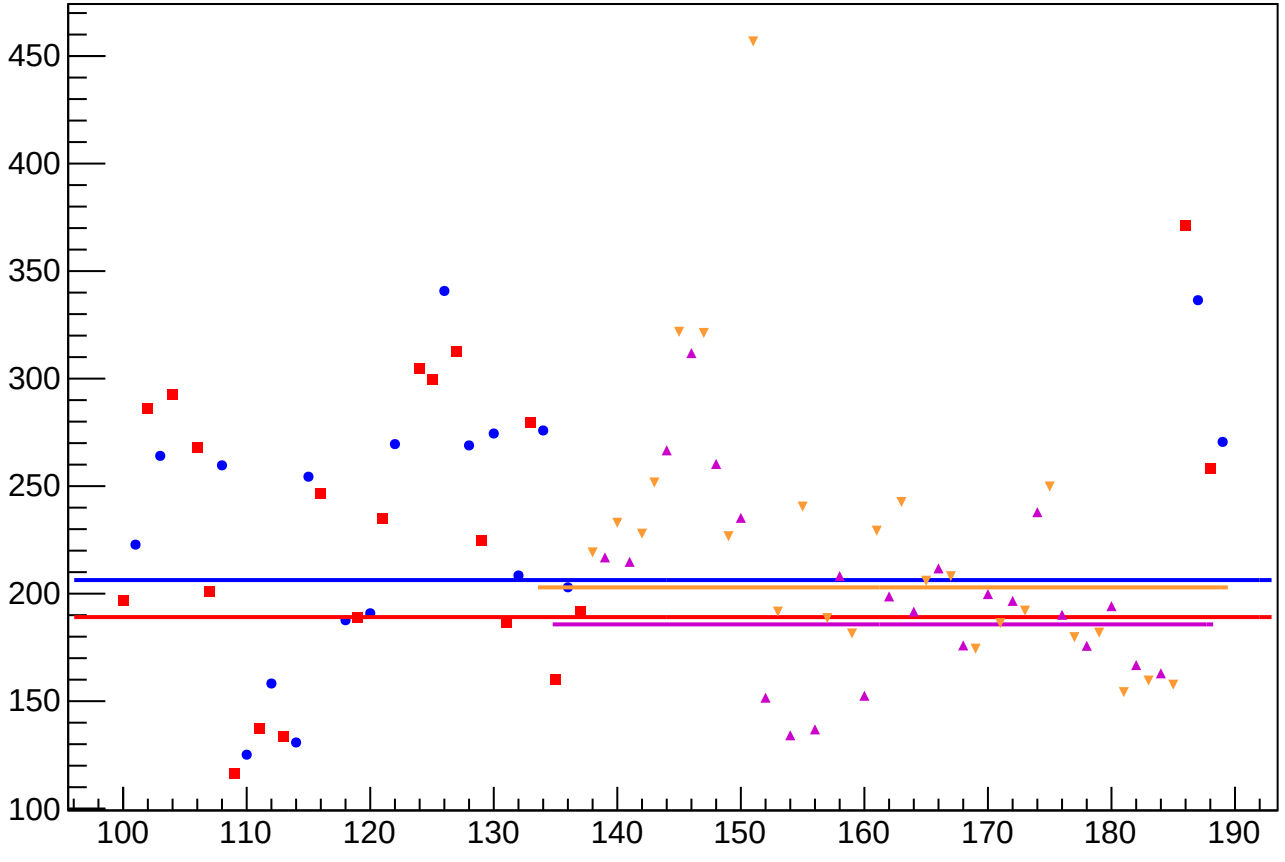
Right: -91.790+/-51.096 χ^2/NDF: 31.0/38

In: 80.191+/-38.968 χ^2/NDF:30.6/40

Out: 60.209+/-39.125 χ^2/NDF:33.3/45

All: 70.240+/-27.610 χ^2/NDF: 64.1/86

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 206.319+/-0.054 χ^2/NDF: 1031688.9/17

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 189.098+/-0.048 χ^2/NDF: 1798997.9/20

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

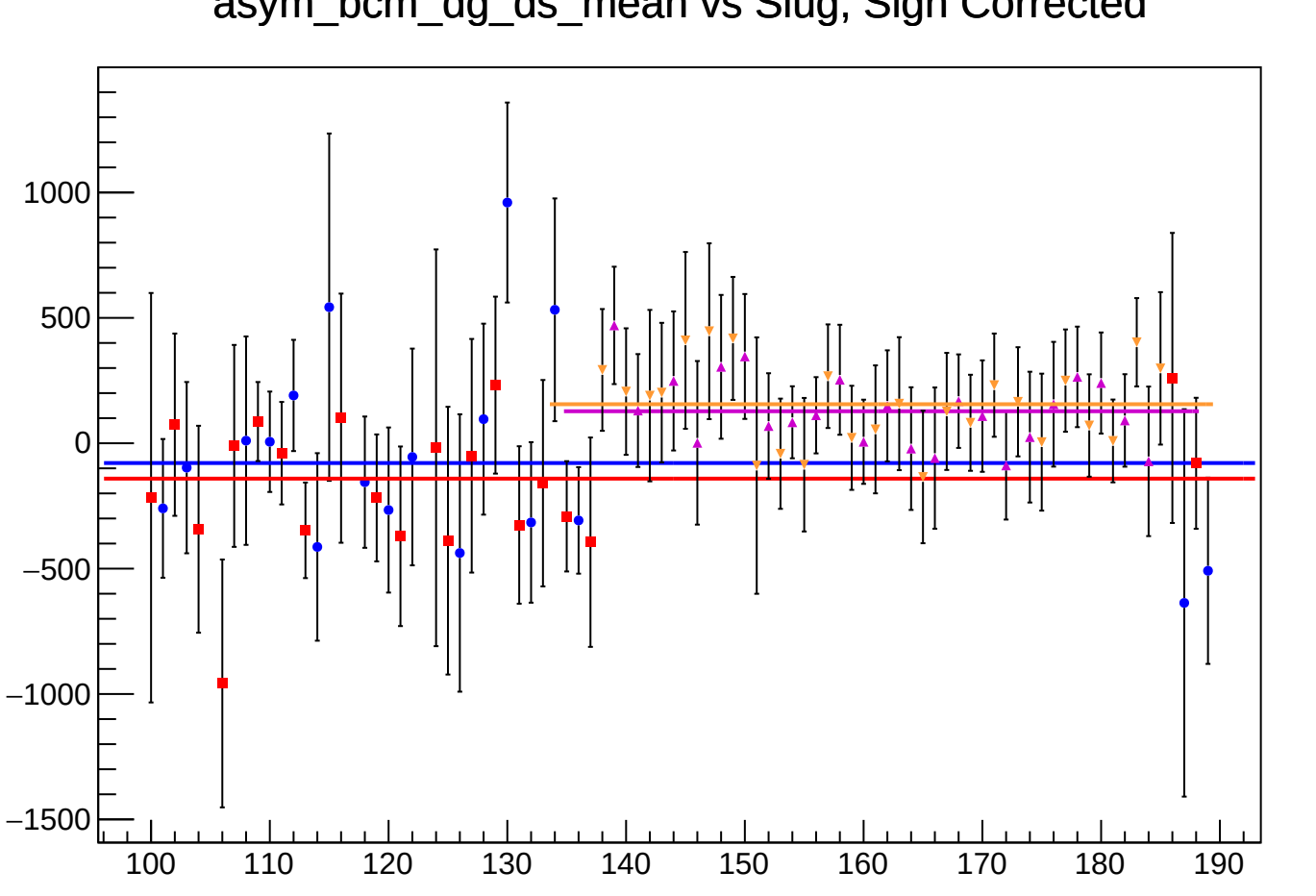
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 196.701+/-0.036 χ^2/NDF: 2886703.6/38

In: 191.006+/-0.028 χ^2/NDF:2627873.4/40

Out: 198.394+/-0.028 χ^2/NDF:3554086.7/45

All: 194.685+/-0.020 χ^2/NDF: 6217760.2/86



Right In: -78.866+/-75.914 χ^2/NDF: 17.0/17

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -141.104+/-67.069 χ^2/NDF: 10.8/20

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

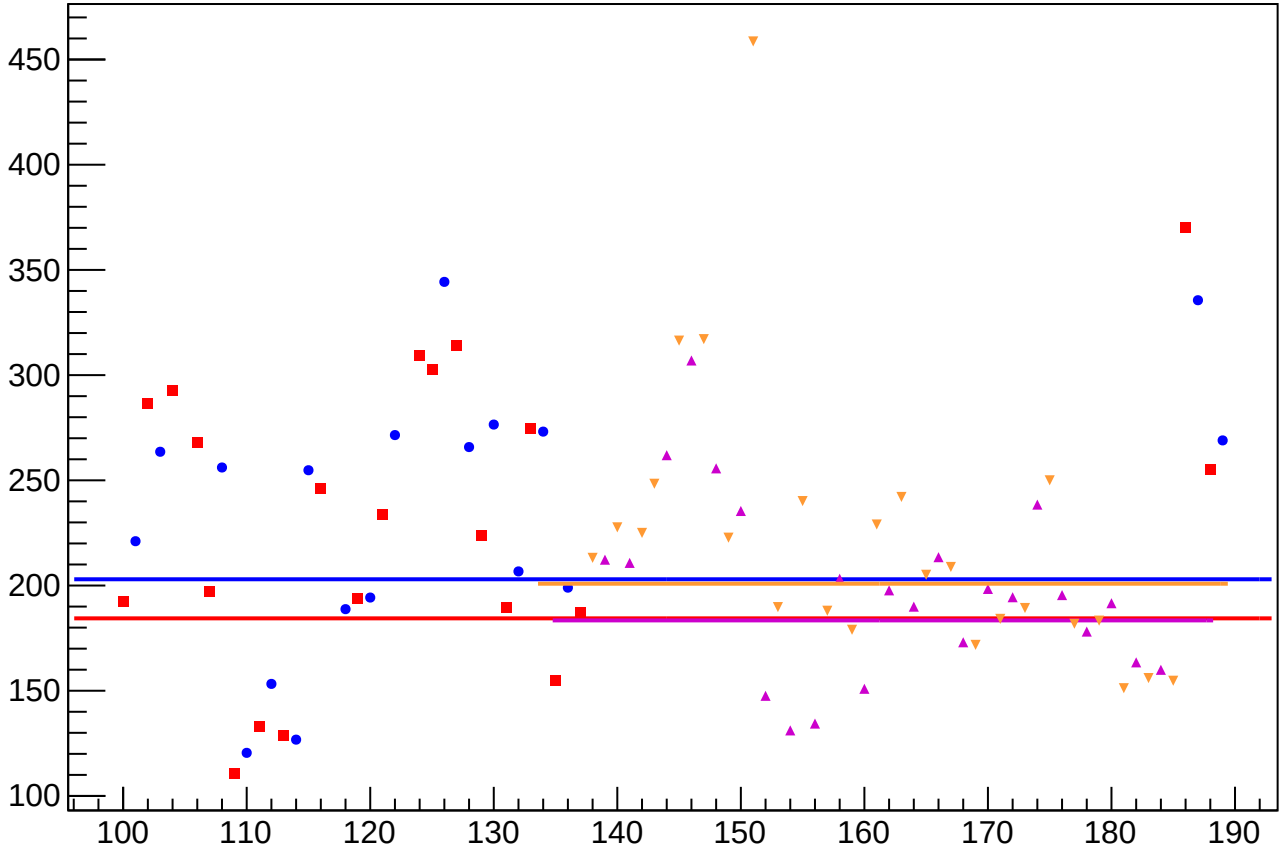
Right: -113.820+/-50.263 χ^2/NDF: 28.2/38

In: 74.493+/-38.517 χ^2/NDF:30.5/40

Out: 57.180+/-38.634 χ^2/NDF:34.5/45

All: 65.863+/-27.277 χ^2/NDF: 65.1/86

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 202.976+/-0.054 χ^2/NDF: 1122158.6/17

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 184.401+/-0.047 χ^2/NDF: 1973394.7/20

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

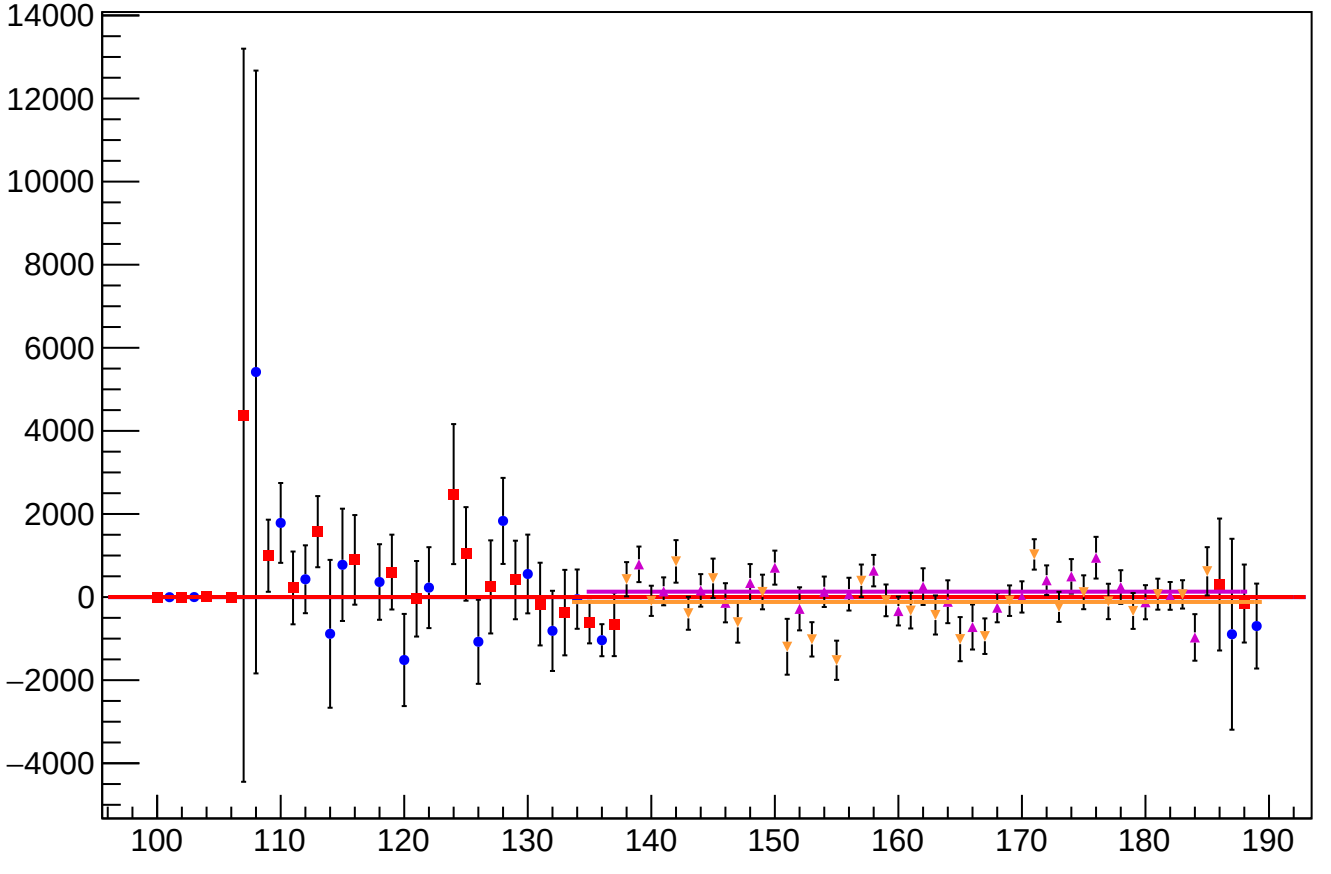
Right: 192.544+/-0.036 χ^2/NDF: 3162805.9/38

In: 188.464+/-0.027 χ^2/NDF:2751262.7/40

Out: 195.402+/-0.027 χ^2/NDF:3781324.6/45

All: 191.923+/-0.019 χ^2/NDF: 6564929.1/86

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.243+/-2.171 χ^2/NDF: 20.5/17

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.377+/-2.022 χ^2/NDF: 16.9/20

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

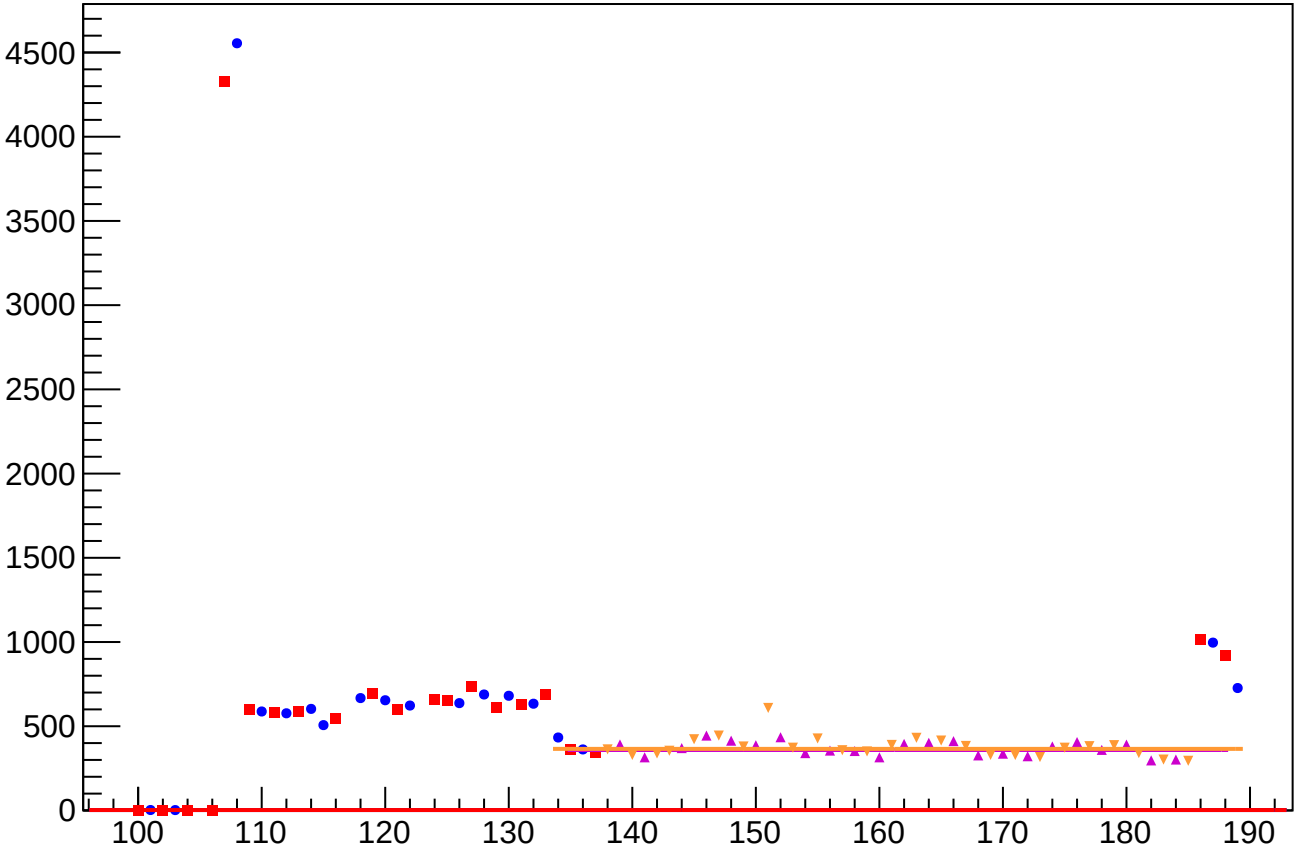
Right: 0.160+/-1.480 χ^2/NDF: 38.2/38

In: -1.158+/-2.170 χ^2/NDF:44.6/40

Out: 1.308+/-2.022 χ^2/NDF:65.3/45

All: 0.163+/-1.479 χ^2/NDF: 110.5/86

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.481+/-0.002 χ^2/NDF: 13004840.7/17

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.468+/-0.001 χ^2/NDF: 14256998.2/20

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

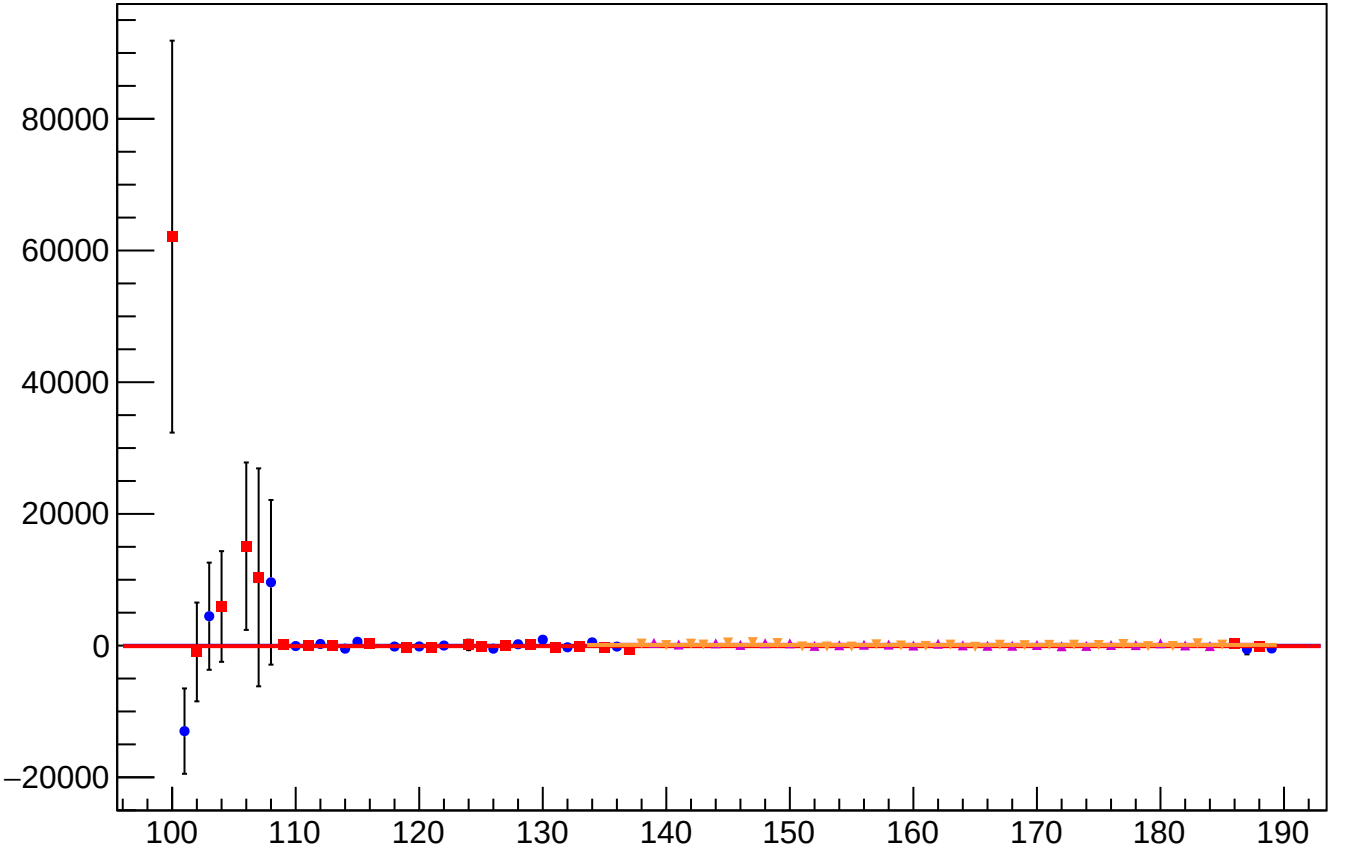
Right: 2.474+/-0.001 χ^2/NDF: 27261876.1/38

In: 2.713+/-0.002 χ^2/NDF:48556252.7/40

Out: 2.677+/-0.001 χ^2/NDF:52096963.8/45

All: 2.694+/-0.001 χ^2/NDF: 100653502.3/86

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -28.285+/-85.013 χ^2/NDF: 18.6/17

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -83.272+/-77.335 χ^2/NDF: 15.4/20

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

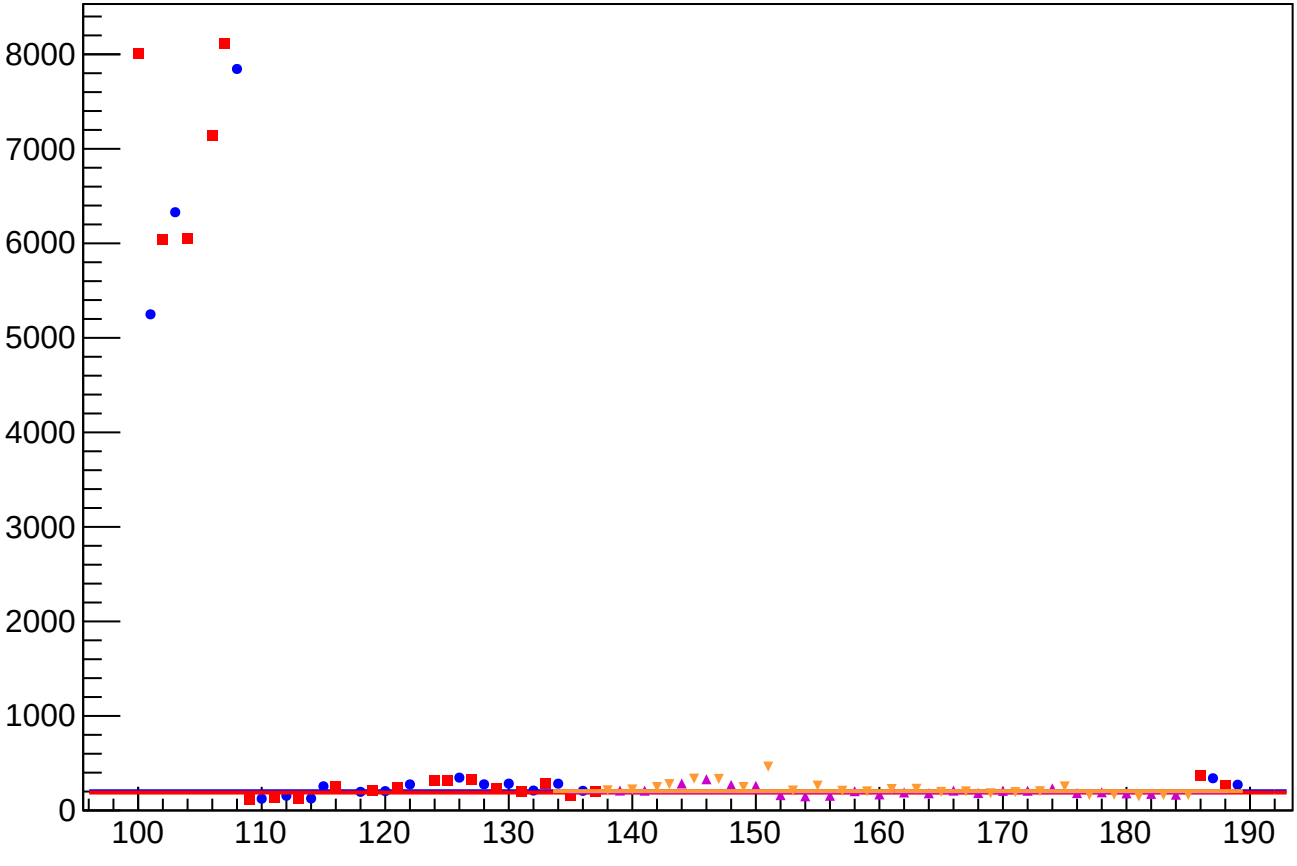
Right: -58.373+/-57.206 χ^2/NDF: 34.2/38

In: 84.834+/-41.104 χ^2/NDF:30.2/40

Out: 48.362+/-40.936 χ^2/NDF:32.2/45

All: 66.523+/-29.005 χ^2/NDF: 62.7/86

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 203.118+/-0.060 χ^2/NDF: 4094091.2/17

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 189.487+/-0.055 χ^2/NDF: 4787301.1/20

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

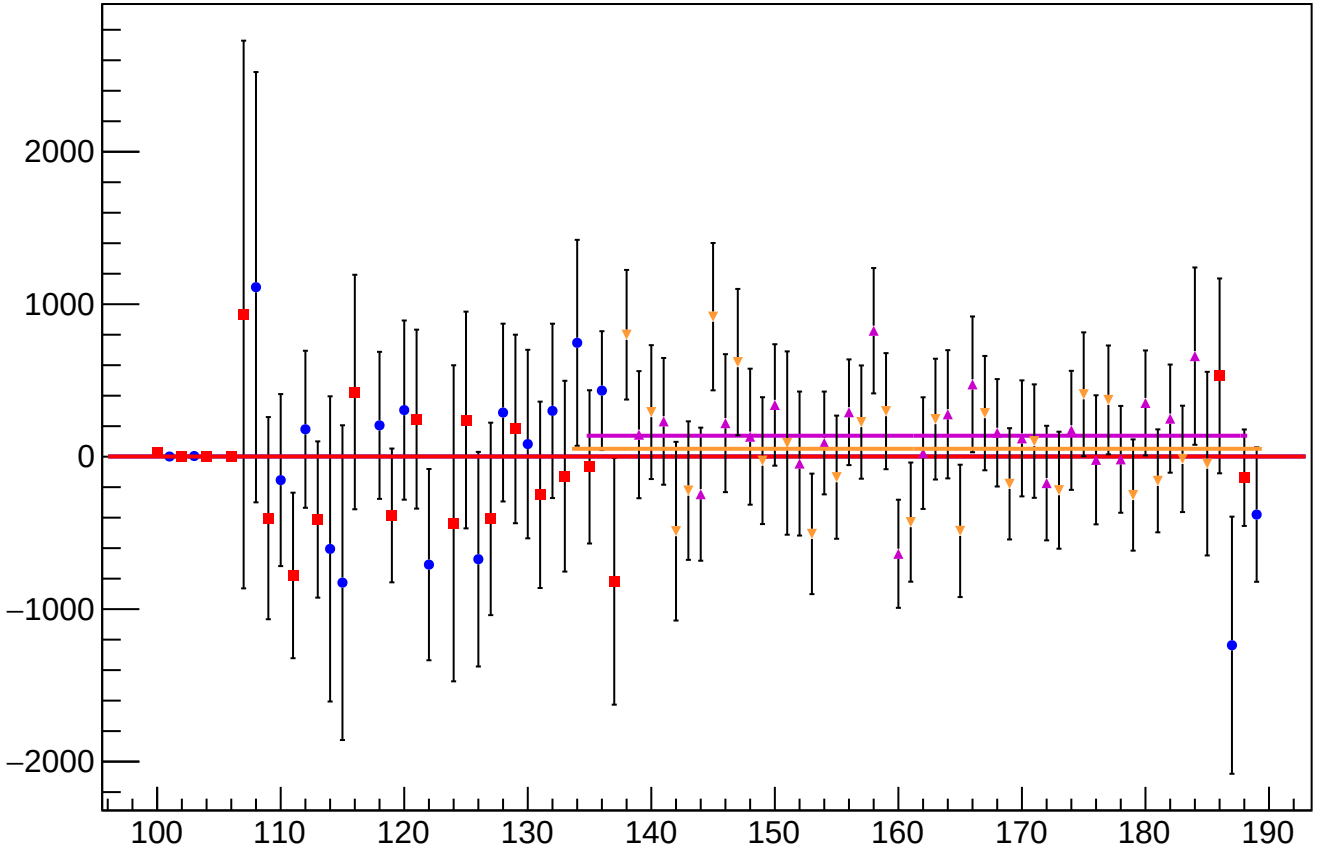
Right: 195.659+/-0.040 χ^2/NDF: 8909527.7/38

In: 196.051+/-0.029 χ^2/NDF:5303716.6/40

Out: 200.352+/-0.029 χ^2/NDF:6817257.3/45

All: 198.210+/-0.021 χ^2/NDF: 12131965.6/86

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.445+/-1.660 χ^2/NDF: 10.8/17

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.093+/-1.528 χ^2/NDF: 10.0/20

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

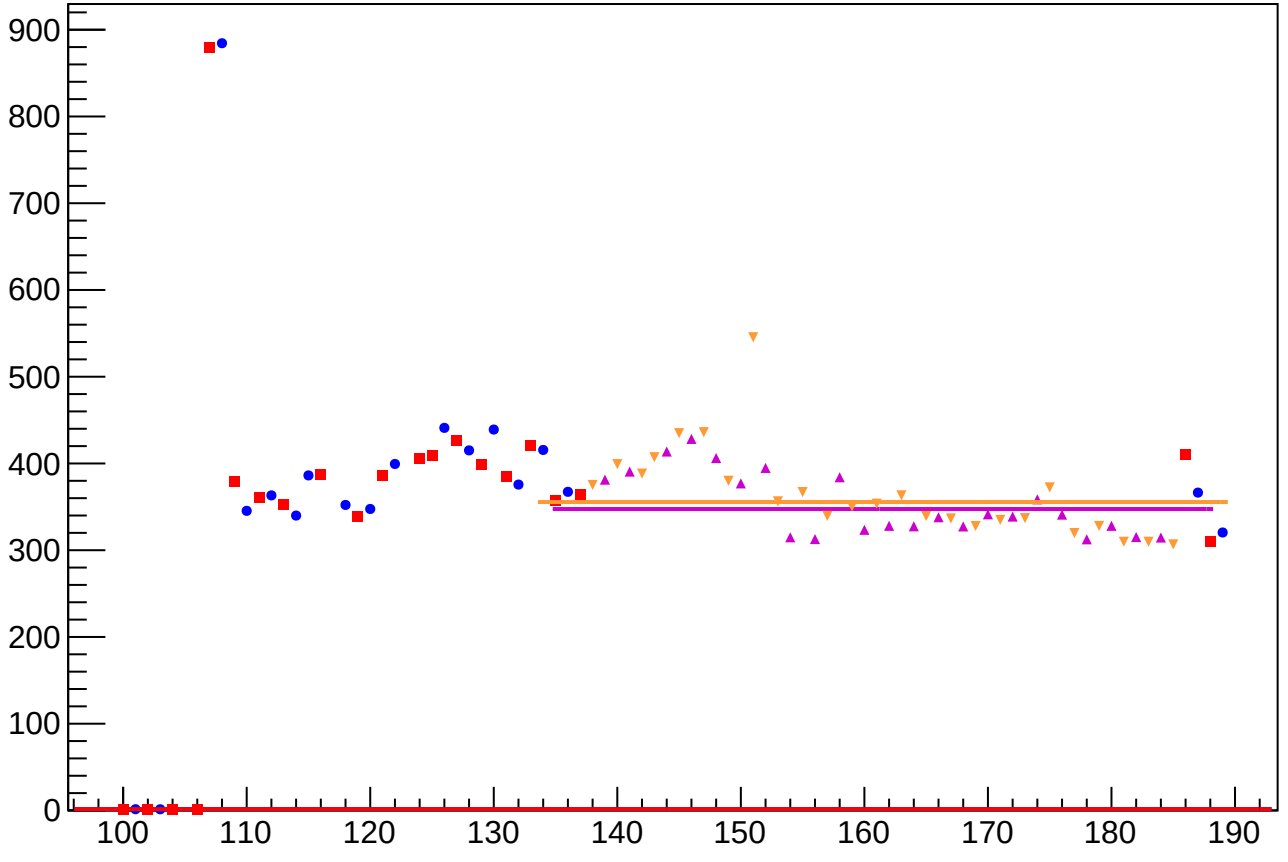
Right: 1.255+/-1.124 χ^2/NDF: 20.8/38

In: 1.501+/-1.660 χ^2/NDF:25.7/40

Out: 1.111+/-1.528 χ^2/NDF:29.9/45

All: 1.290+/-1.124 χ^2/NDF: 55.6/86

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.476+/-0.001 χ^2/NDF: 13156317.2/17

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.477+/-0.001 χ^2/NDF: 13988846.4/20

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

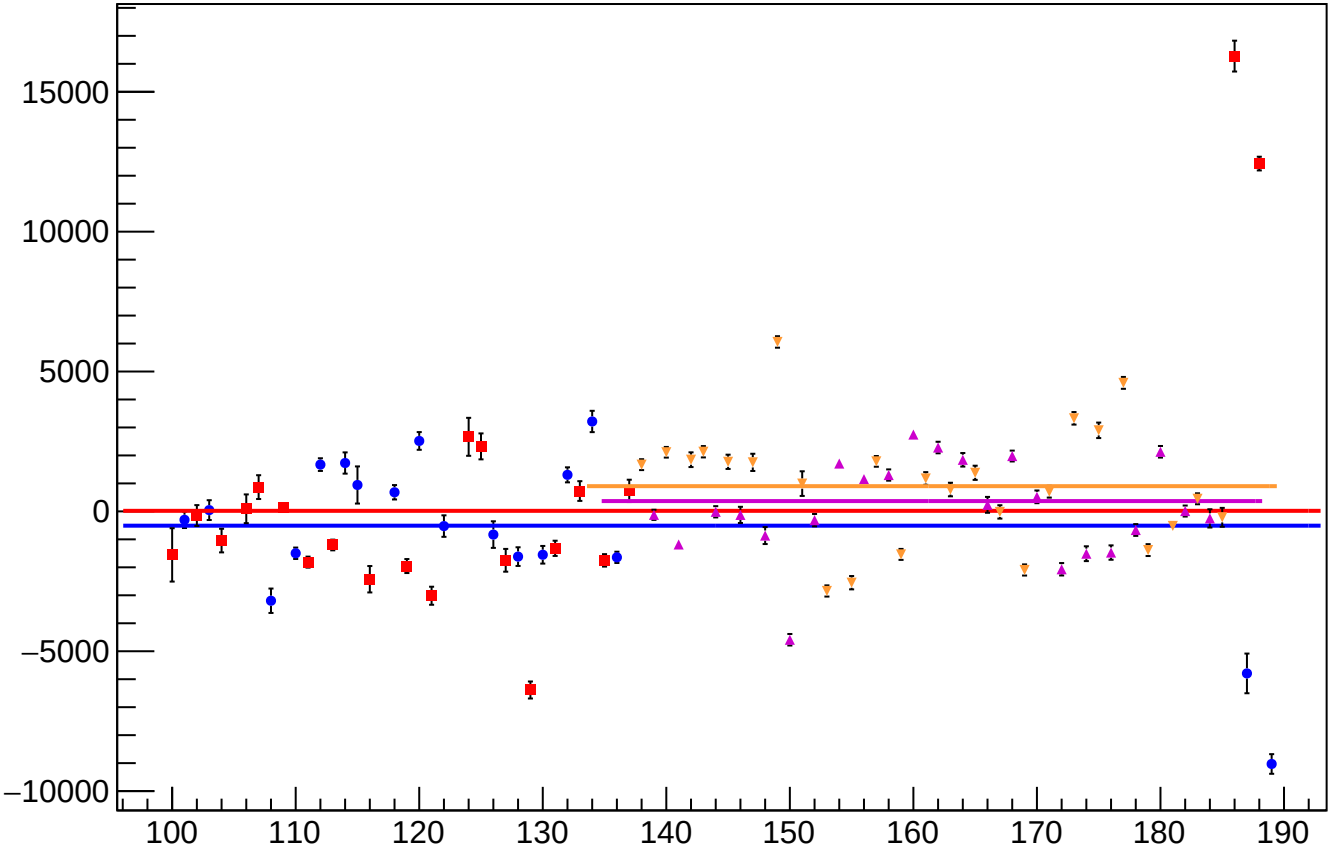
Right: 1.476+/-0.001 χ^2/NDF: 27145163.8/38

In: 1.617+/-0.001 χ^2/NDF:49000374.1/40

Out: 1.601+/-0.001 χ^2/NDF:52199115.4/45

All: 1.608+/-0.001 χ^2/NDF: 101199598.1/86

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -511.196+/-72.861 χ^2/NDF: 1148.6/17

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 19.627+/-65.965 χ^2/NDF: 4345.9/20

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

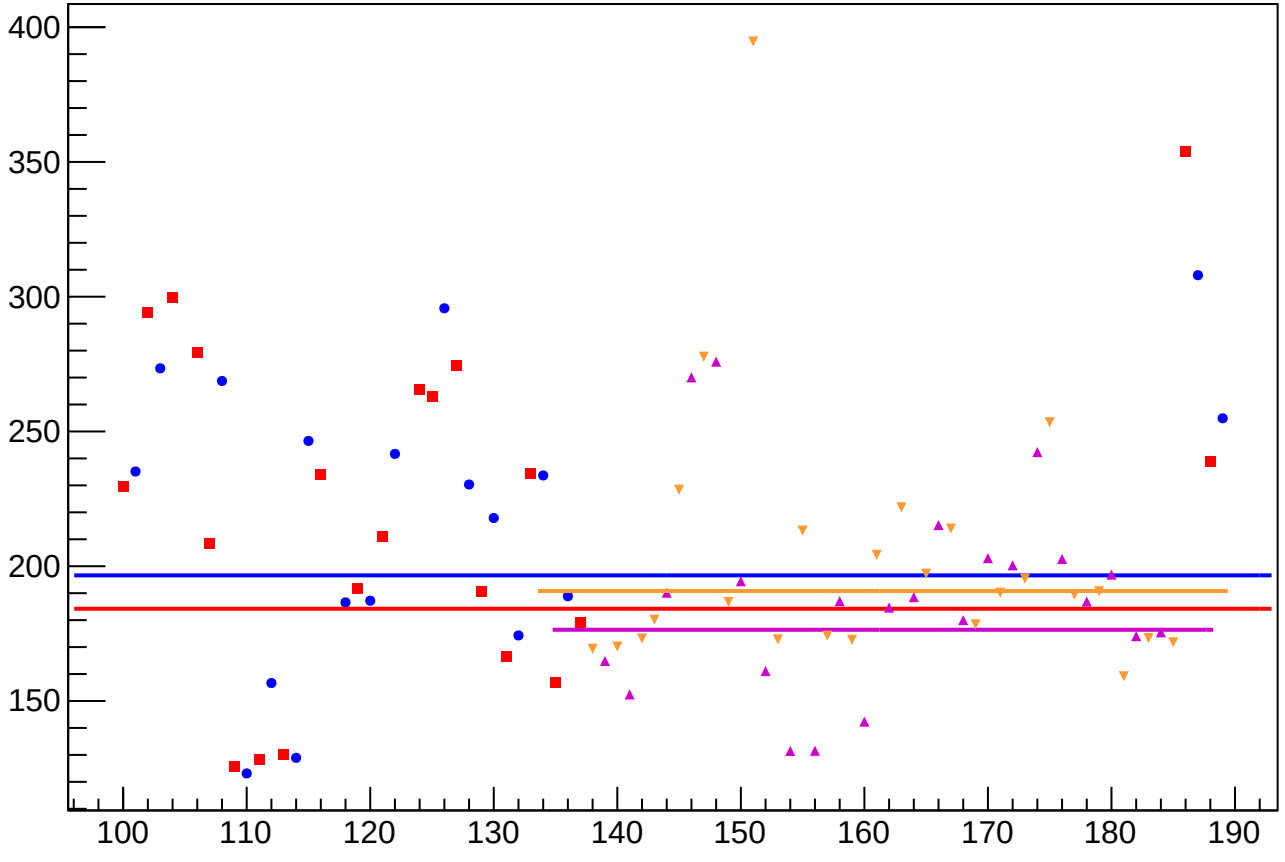
Right: -219.482+/-48.901 χ^2/NDF: 5523.7/38

In: 143.425+/-36.839 χ^2/NDF:2850.1/40

Out: 625.835+/-36.880 χ^2/NDF:6879.7/45

All: 384.366+/-26.064 χ^2/NDF: 9815.5/86

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 196.611+/-0.052 χ^2/NDF: 868932.8/17

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.230+/-0.047 χ^2/NDF: 1534662.9/20

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

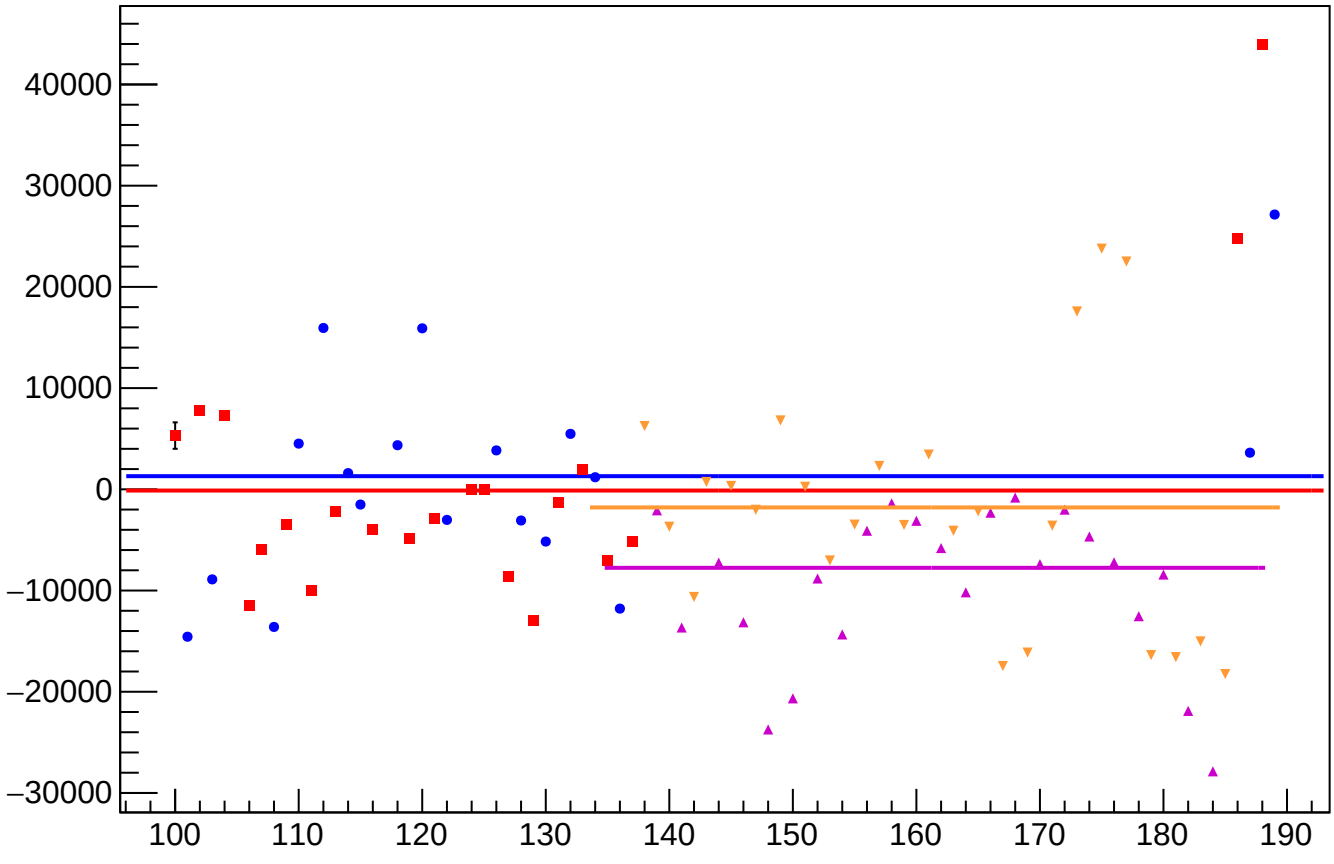
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 189.807+/-0.035 χ^2/NDF: 2435330.7/38

In: 181.590+/-0.026 χ^2/NDF:2240789.4/40

Out: 188.747+/-0.026 χ^2/NDF:2567902.2/45

All: 185.165+/-0.018 χ^2/NDF: 4846393.5/86



Right In: 1299.336+/-52.520 χ^2/NDF: 42067.2/17

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -120.233+/-49.253 χ^2/NDF: 83613.3/20

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

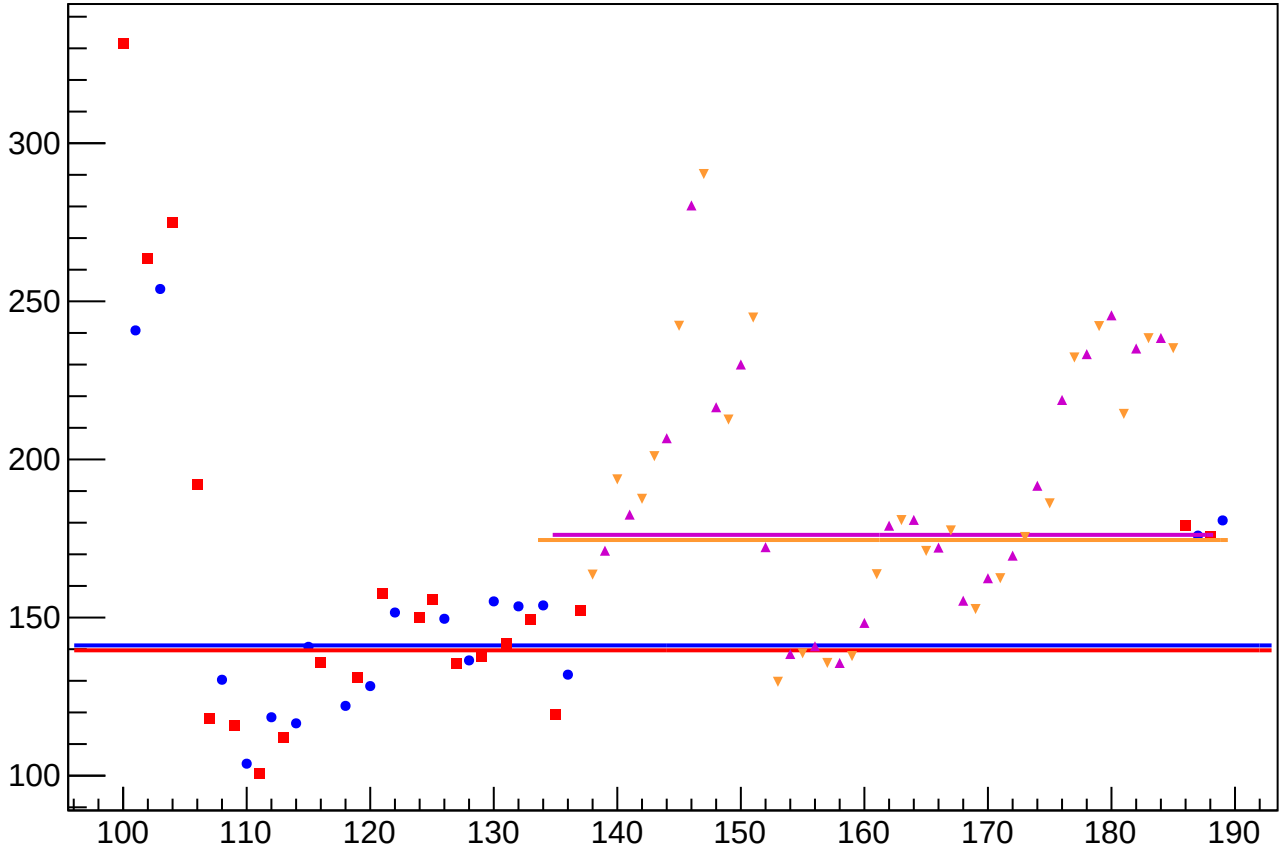
Right: 544.035+/-35.927 χ^2/NDF: 126069.2/38

In: -4164.544+/-33.071 χ^2/NDF:83279.6/40

Out: -1108.487+/-31.470 χ^2/NDF:150039.6/45

All: -2560.749+/-22.798 χ^2/NDF: 237800.5/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 141.194+/-0.037 χ^2/NDF: 726736.7/17

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 139.640+/-0.035 χ^2/NDF: 1024339.2/20

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

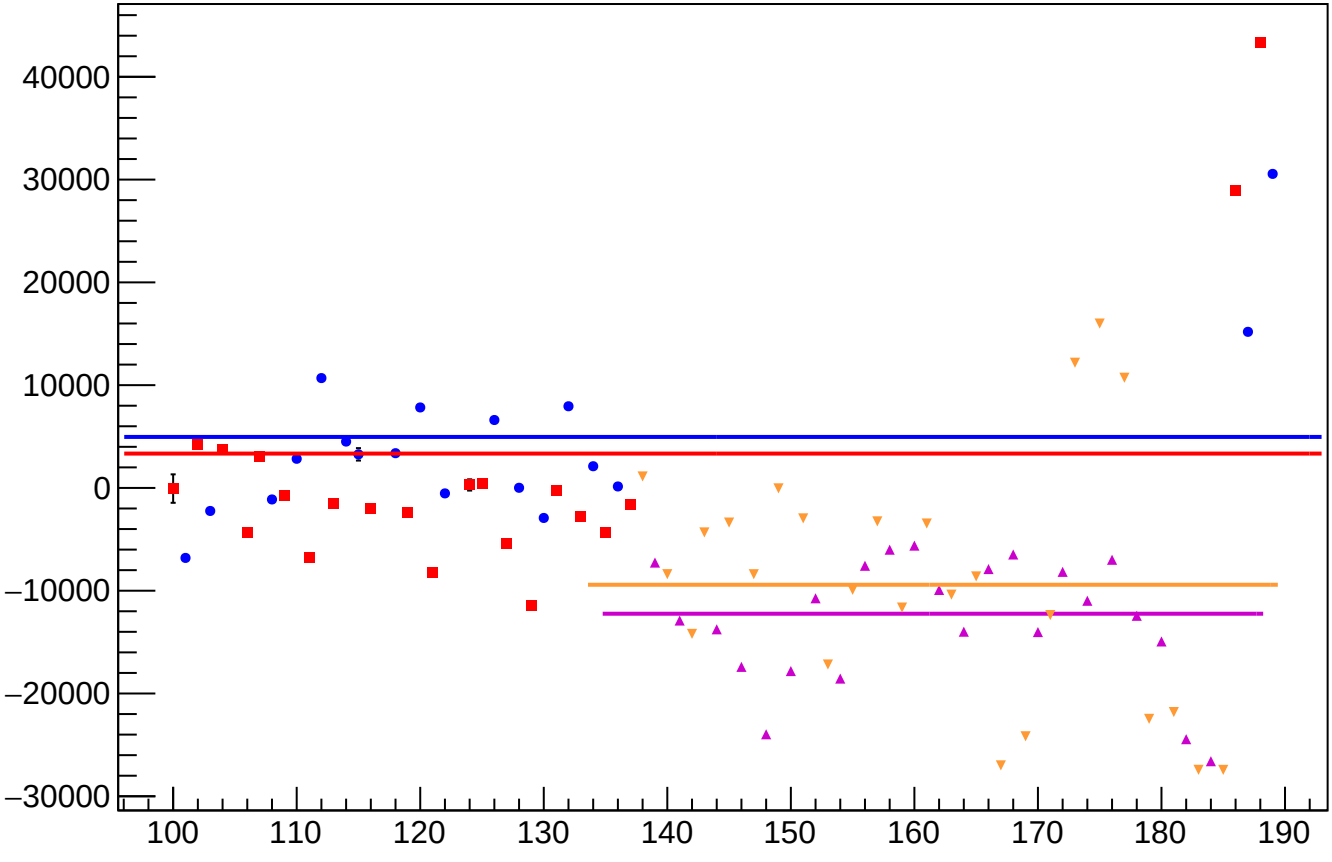
Right: 140.367+/-0.025 χ^2/NDF: 1752007.0/38

In: 162.292+/-0.023 χ^2/NDF:2628633.4/40

Out: 160.280+/-0.022 χ^2/NDF:3277366.7/45

All: 161.236+/-0.016 χ^2/NDF: 5909883.5/86

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 4962.812+/-65.992 χ^2/NDF: 16416.3/17

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 3342.430+/-60.130 χ^2/NDF: 68555.9/20

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

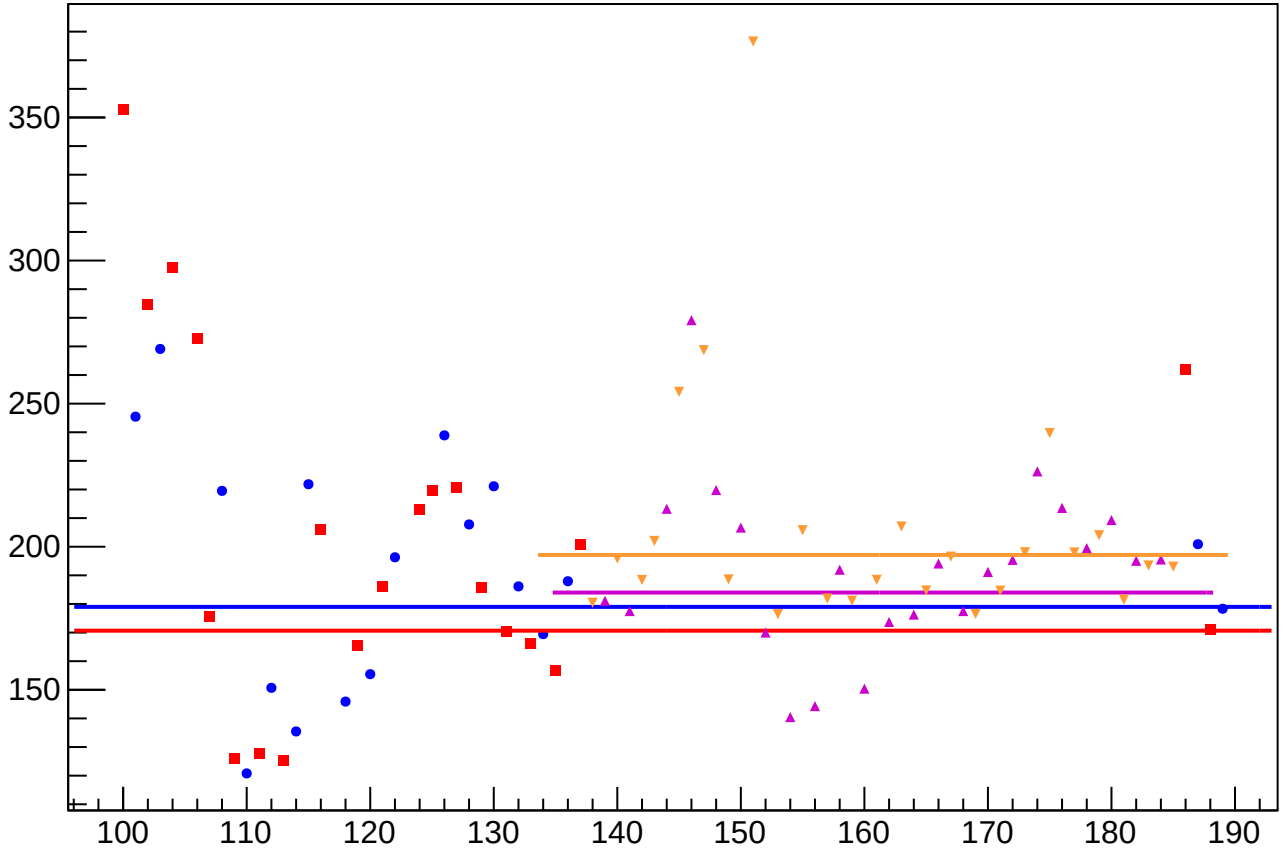
Right: 4077.470+/-44.447 χ^2/NDF: 85301.6/38

In: -6912.574+/-36.721 χ^2/NDF:79338.2/40

Out: -4747.587+/-36.383 χ^2/NDF:161831.4/45

All: -5820.079+/-25.845 χ^2/NDF: 242923.7/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.979+/-0.047 χ^2/NDF: 679142.2/17

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.667+/-0.043 χ^2/NDF: 1081576.3/20

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

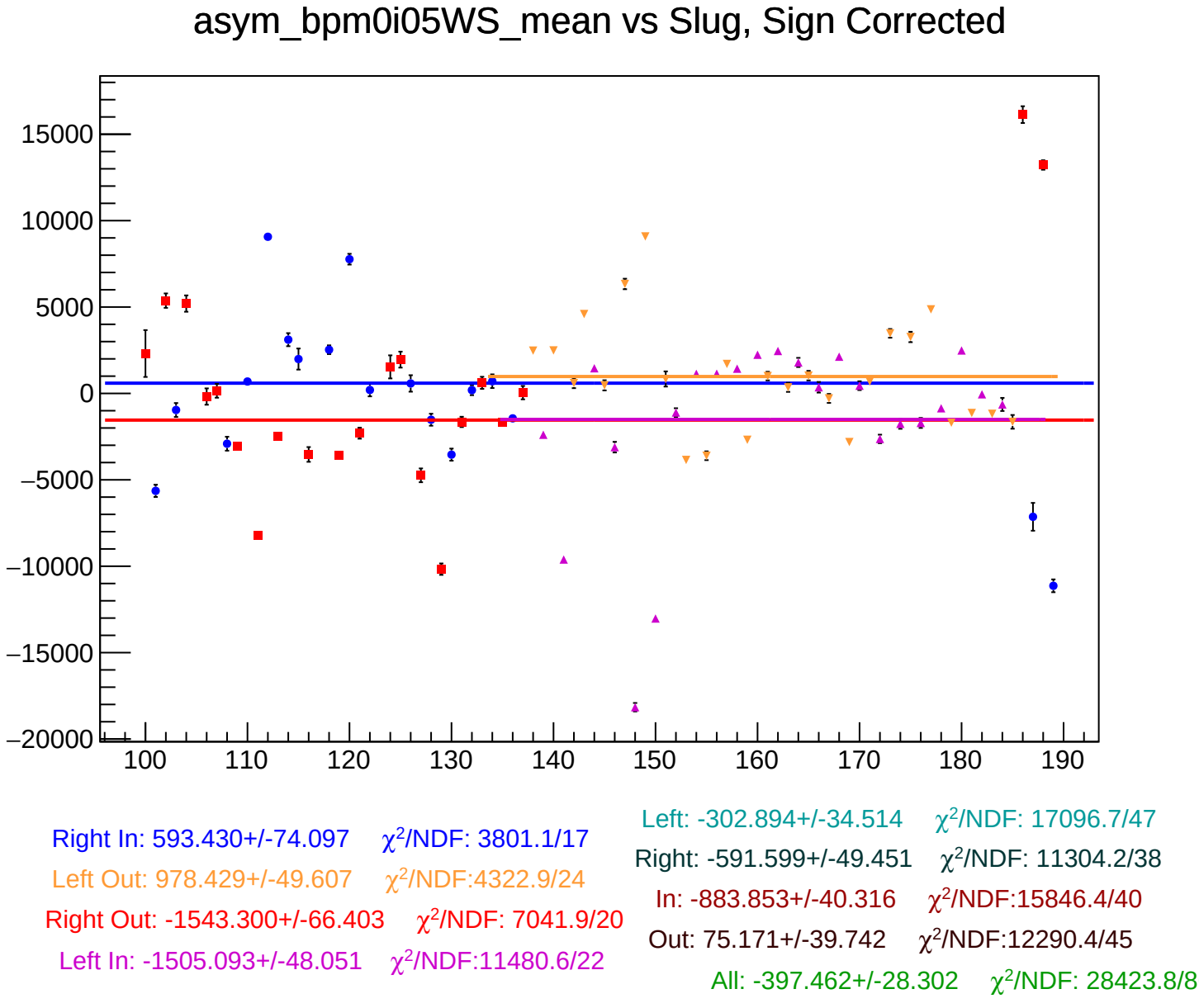
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.438+/-0.031 χ^2/NDF: 1778056.9/38

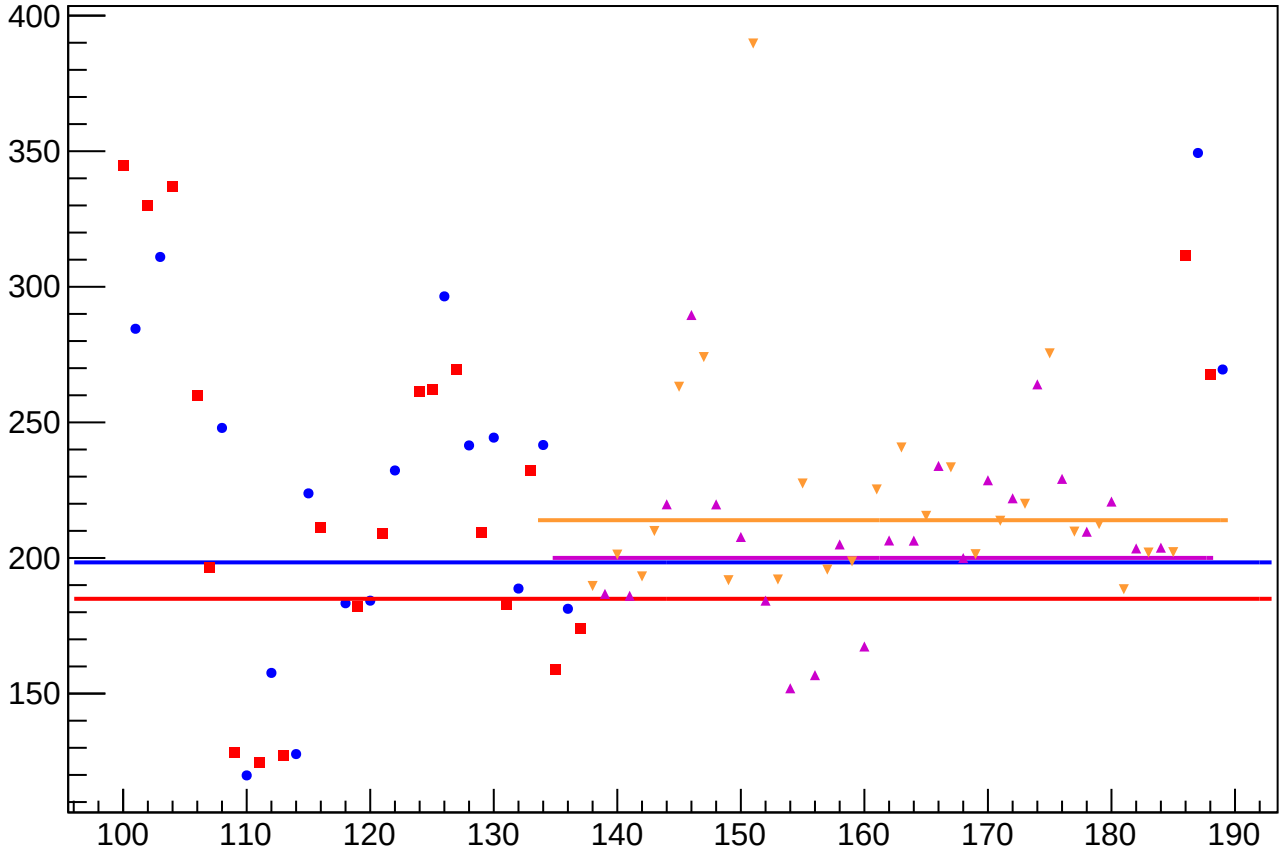
In: 182.435+/-0.026 χ^2/NDF:1516865.7/40

Out: 187.437+/-0.026 χ^2/NDF:2059514.5/45

All: 184.959+/-0.018 χ^2/NDF: 3595100.2/86


asym_bpm0i05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 593.430+/-74.097 χ²/NDF: 3801.1/17
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -1543.300+/-66.403 χ²/NDF: 7041.9/20
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -591.599+/-49.451 χ²/NDF: 11304.2/38
In: -883.853+/-40.316 χ²/NDF:15846.4/40
Out: 75.171+/-39.742 χ²/NDF:12290.4/45
All: -397.462+/-28.302 χ²/NDF: 28423.8/86

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.378+/-0.052 χ^2/NDF: 1116126.6/17

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 184.947+/-0.047 χ^2/NDF: 1702628.2/20

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

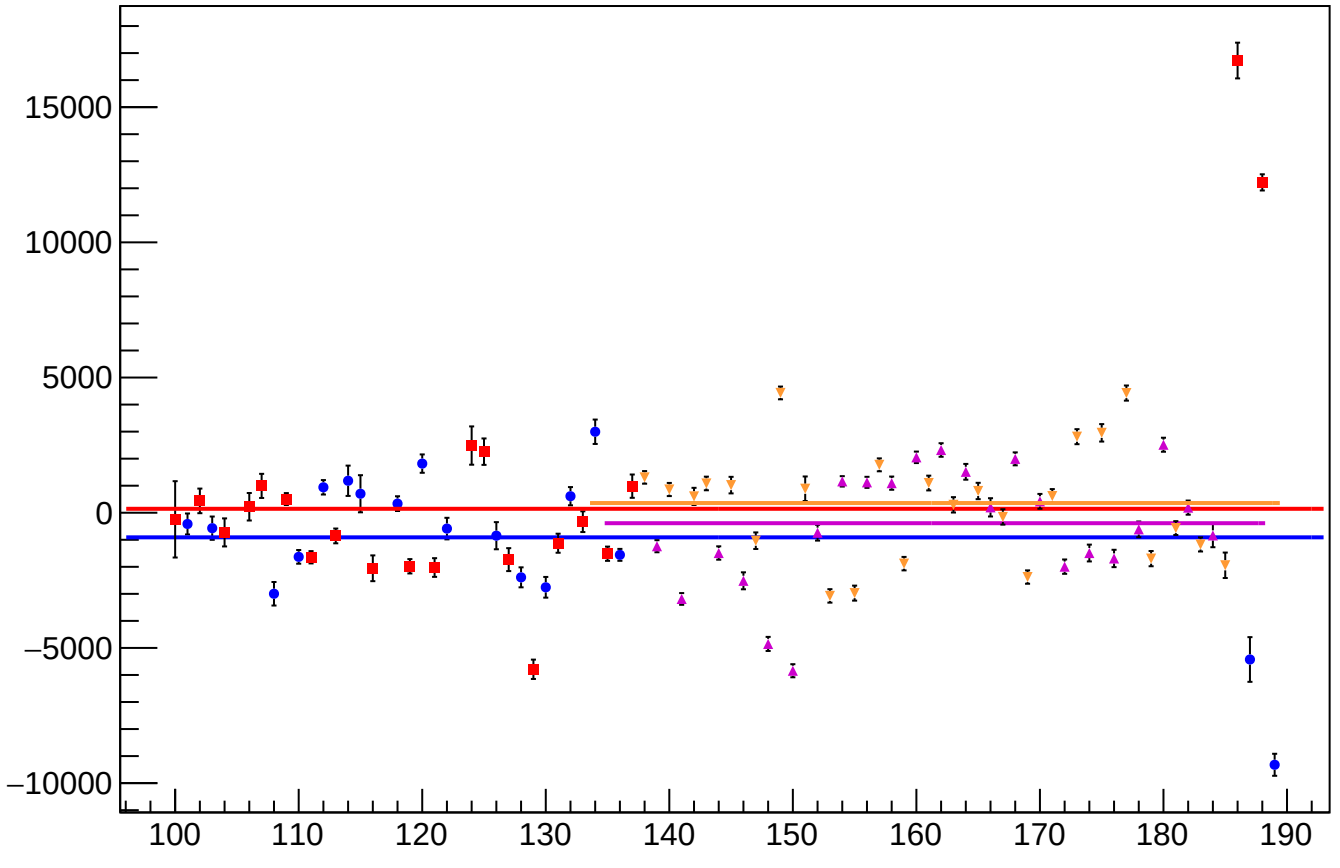
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 190.930+/-0.035 χ^2/NDF: 2855199.0/38

In: 199.541+/-0.029 χ^2/NDF:1902351.9/40

Out: 203.549+/-0.028 χ^2/NDF:2680818.8/45

All: 201.574+/-0.020 χ^2/NDF: 4593195.5/86



Right In: -910.092+/-84.343 χ^2/NDF: 786.6/17

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 145.786+/-77.602 χ^2/NDF: 2846.7/20

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

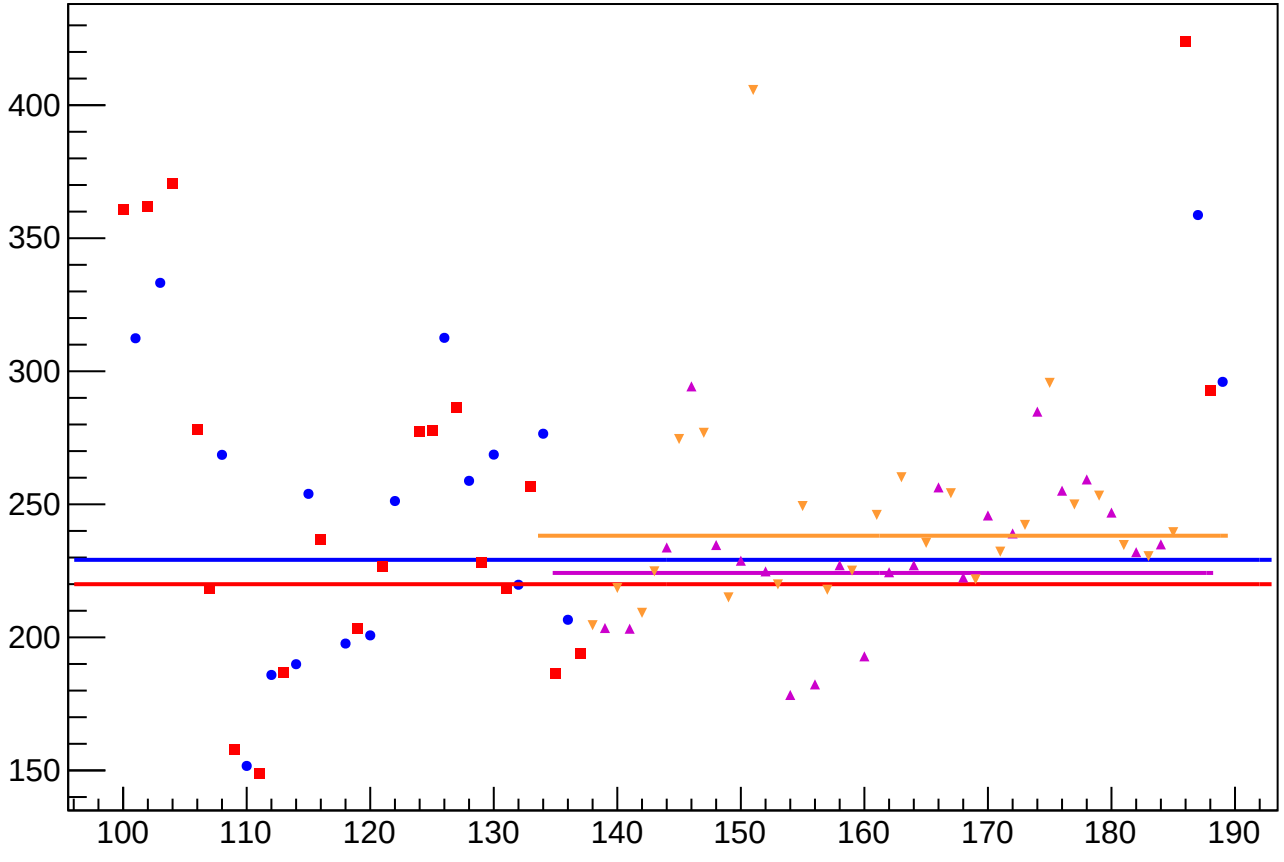
Right: -338.277+/-57.108 χ^2/NDF: 3718.2/38

In: -537.154+/-45.195 χ^2/NDF:2618.2/40

Out: 287.511+/-44.868 χ^2/NDF:4270.6/45

All: -121.829+/-31.841 χ^2/NDF: 7056.5/86

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 229.138+/-0.060 χ^2/NDF: 761567.8/17

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 219.982+/-0.055 χ^2/NDF: 1263315.3/20

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

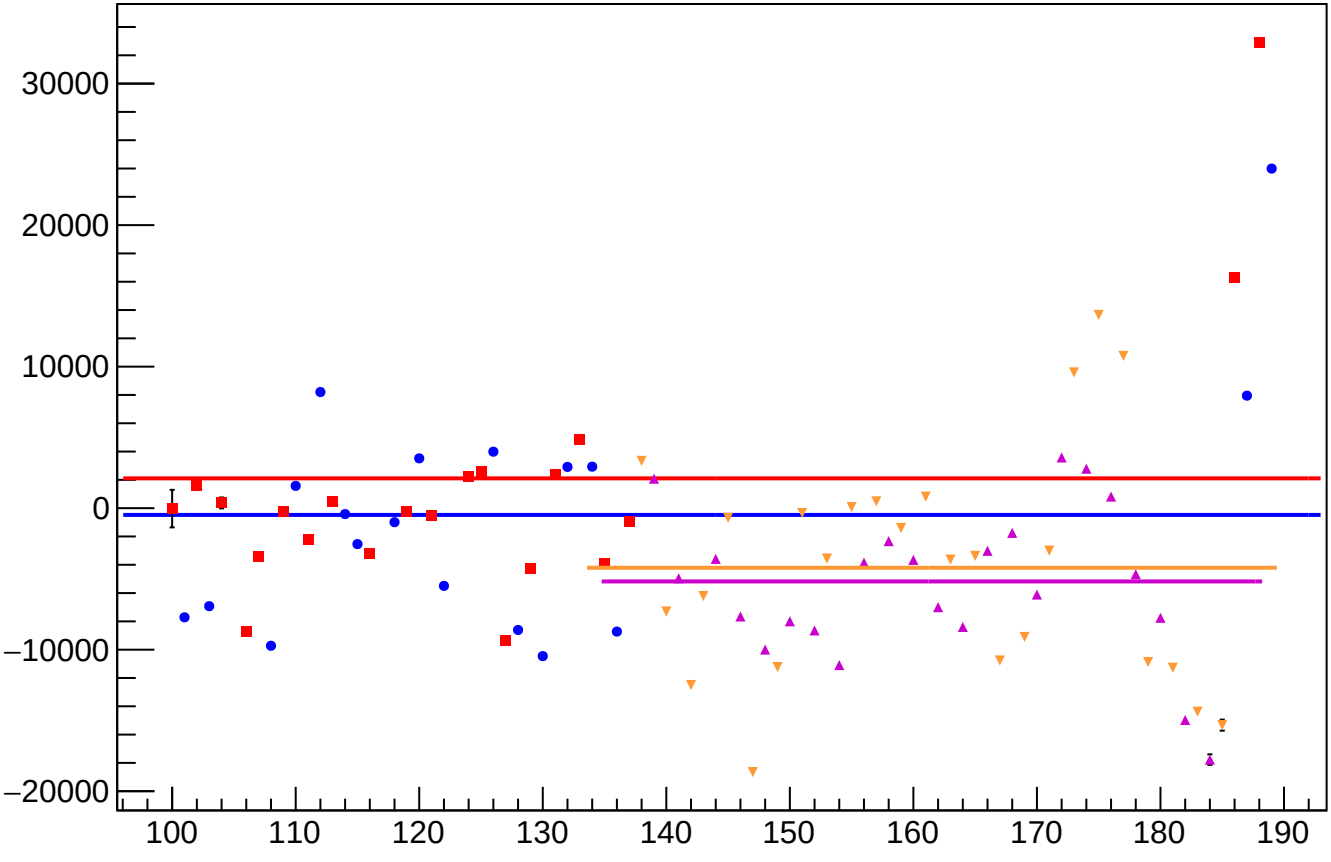
Right: 224.179+/-0.040 χ^2/NDF: 2037648.4/38

In: 225.626+/-0.032 χ^2/NDF:1329662.4/40

Out: 232.109+/-0.032 χ^2/NDF:1904626.5/45

All: 228.891+/-0.023 χ^2/NDF: 3255013.4/86

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -477.369+/-45.003 χ^2/NDF: 34145.7/17

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 2105.336+/-41.971 χ^2/NDF: 62550.1/20

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

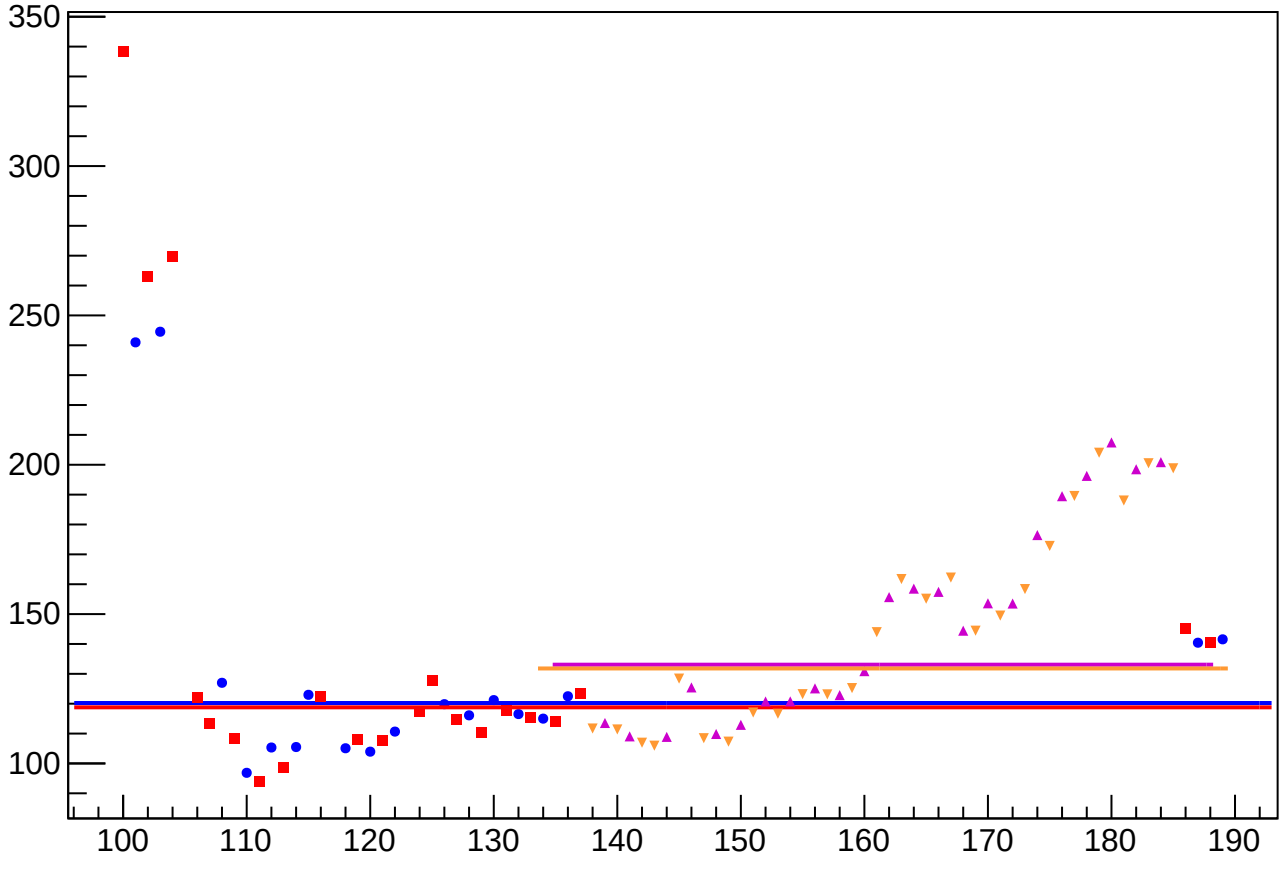
Right: 903.920+/-30.694 χ^2/NDF: 98457.2/38

In: -3601.619+/-26.063 χ^2/NDF:59938.5/40

Out: -1997.236+/-24.846 χ^2/NDF:134062.1/45

All: -2761.111+/-17.984 χ^2/NDF: 195985.8/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 120.232+/-0.032 χ^2/NDF: 768129.0/17

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 118.787+/-0.030 χ^2/NDF: 946626.5/20

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

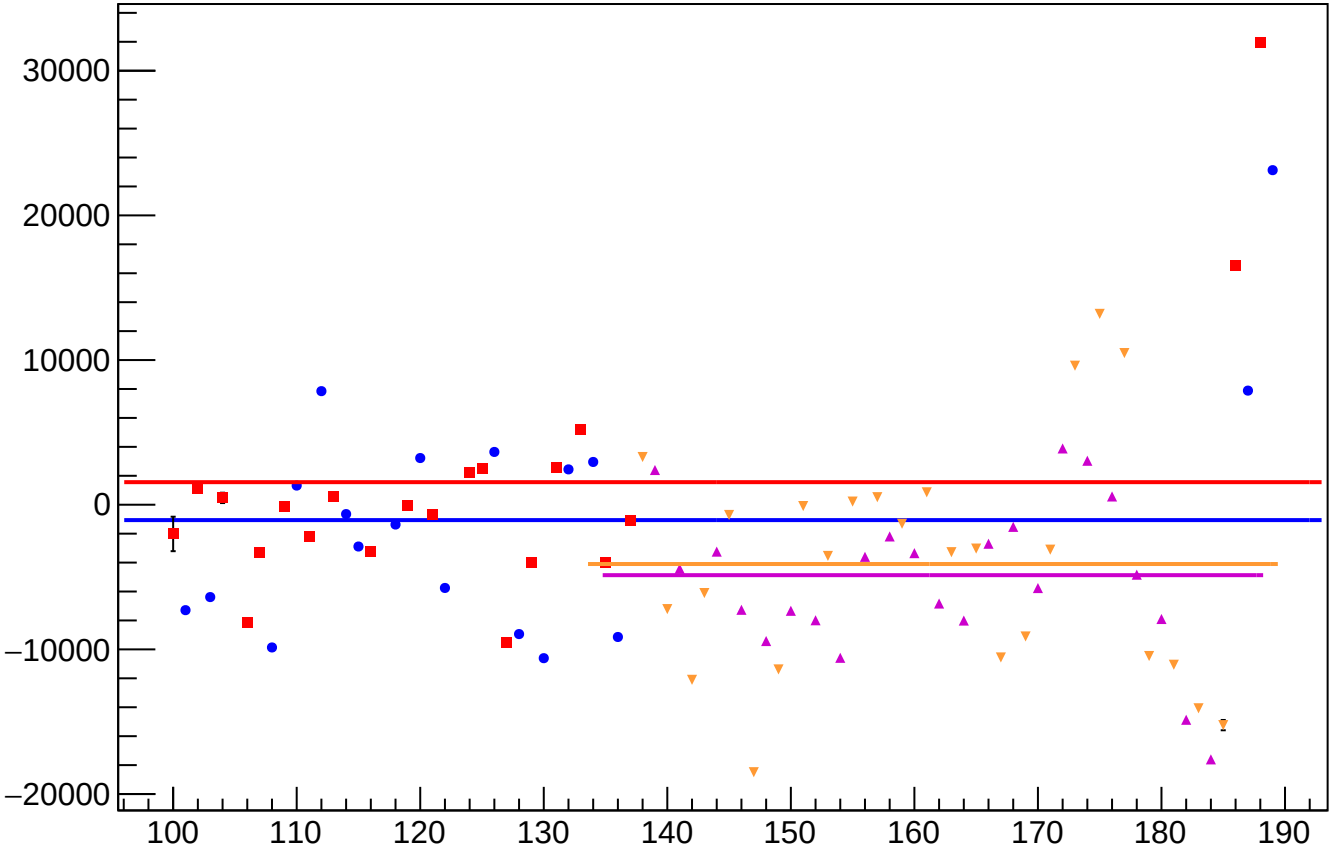
Right: 119.459+/-0.022 χ^2/NDF: 1715858.0/38

In: 128.758+/-0.018 χ^2/NDF:2294409.9/40

Out: 127.238+/-0.018 χ^2/NDF:2615806.2/45

All: 127.962+/-0.013 χ^2/NDF: 4913781.6/86

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -1063.582+/-39.524 χ^2/NDF: 39406.1/17

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 1559.413+/-37.289 χ^2/NDF: 67125.1/20

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

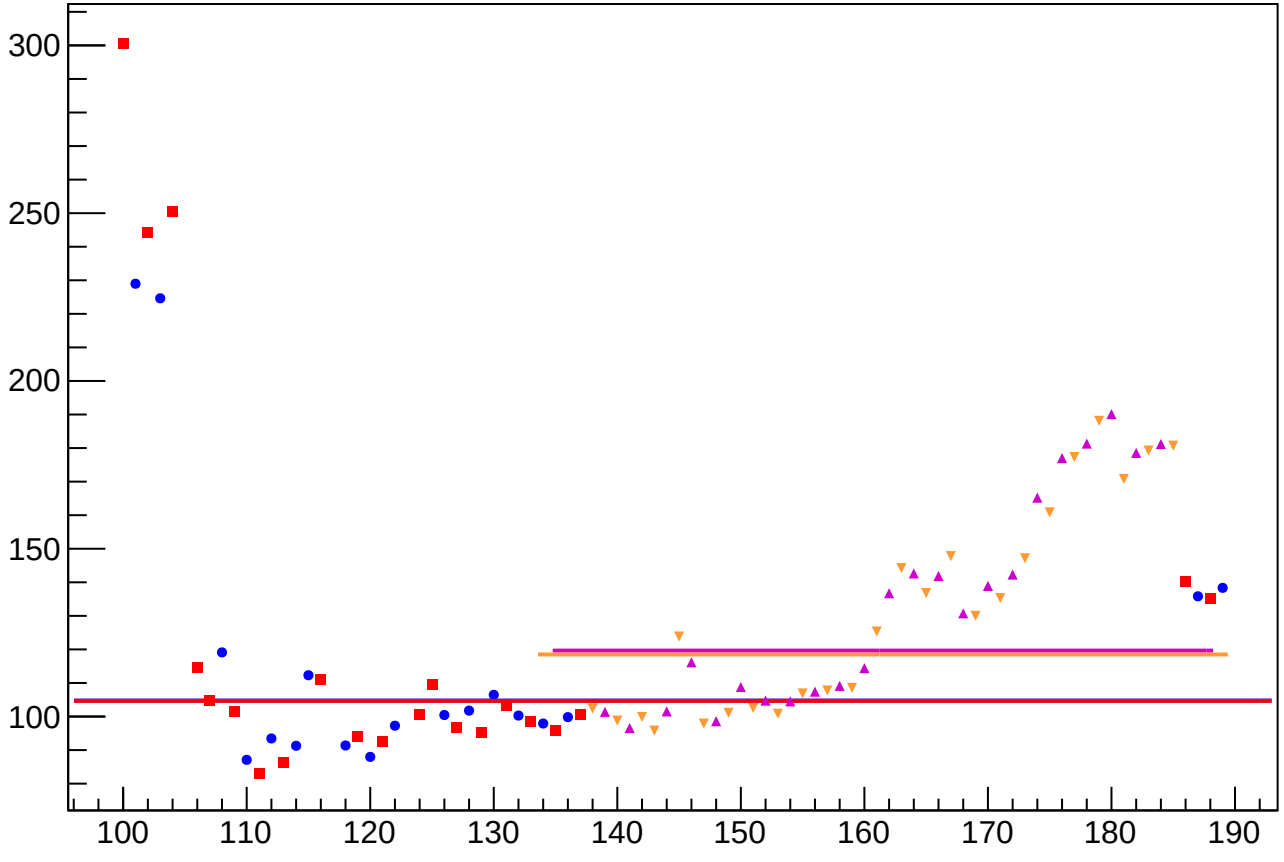
Right: 324.149+/-27.123 χ^2/NDF: 108861.3/38

In: -3549.163+/-23.281 χ^2/NDF:67375.8/40

Out: -2080.163+/-22.273 χ^2/NDF:148206.9/45

All: -2782.187+/-16.094 χ^2/NDF: 217661.5/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 104.741+/-0.028 χ^2/NDF: 912204.6/17

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 104.682+/-0.026 χ^2/NDF: 1097688.7/20

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

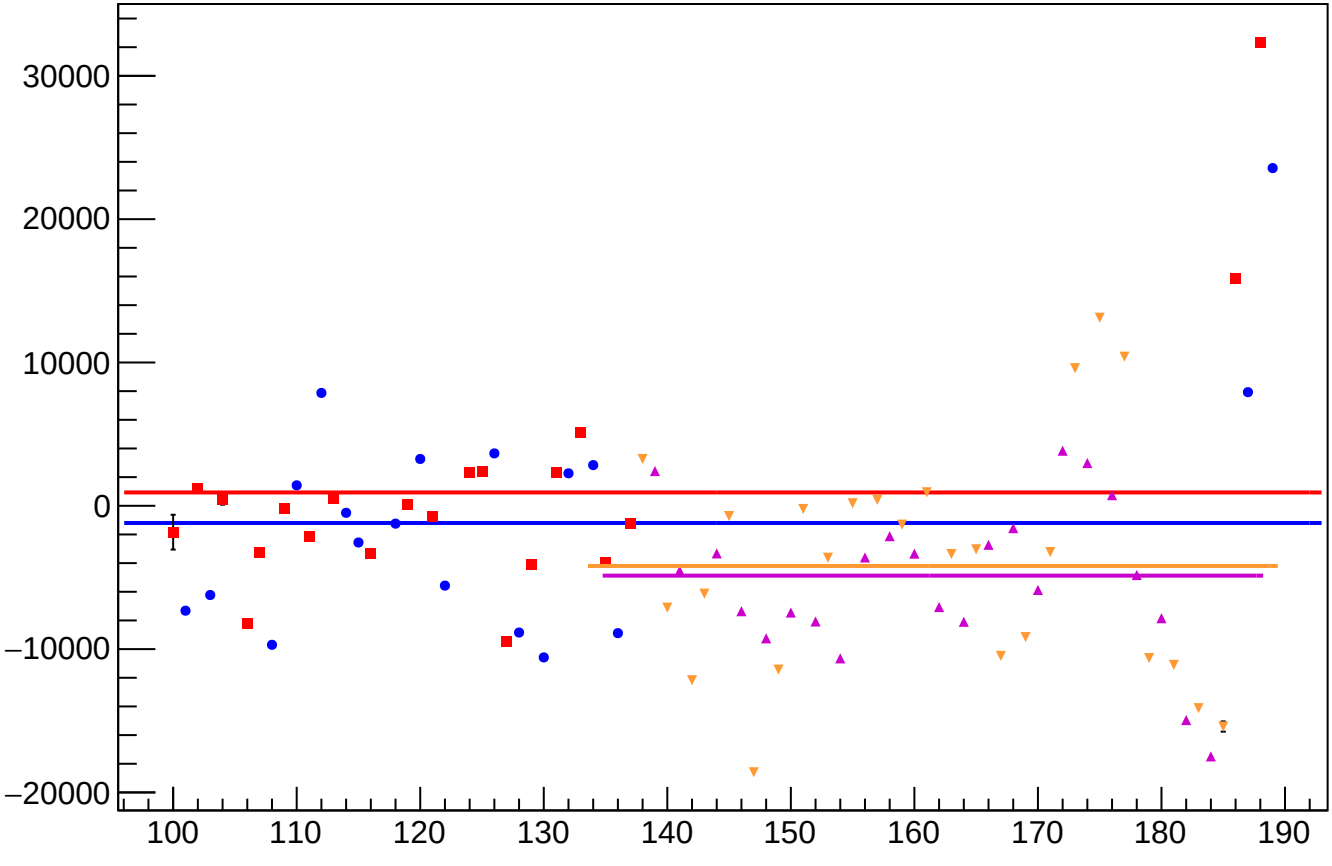
Right: 104.710+/-0.019 χ^2/NDF: 2009895.7/38

In: 114.474+/-0.016 χ^2/NDF:2610290.3/40

Out: 113.571+/-0.016 χ^2/NDF:2901520.6/45

All: 114.003+/-0.011 χ^2/NDF: 5513381.2/86

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -1198.514+/-38.105 χ^2/NDF: 39036.8/17

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 931.259+/-36.038 χ^2/NDF: 60203.0/20

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

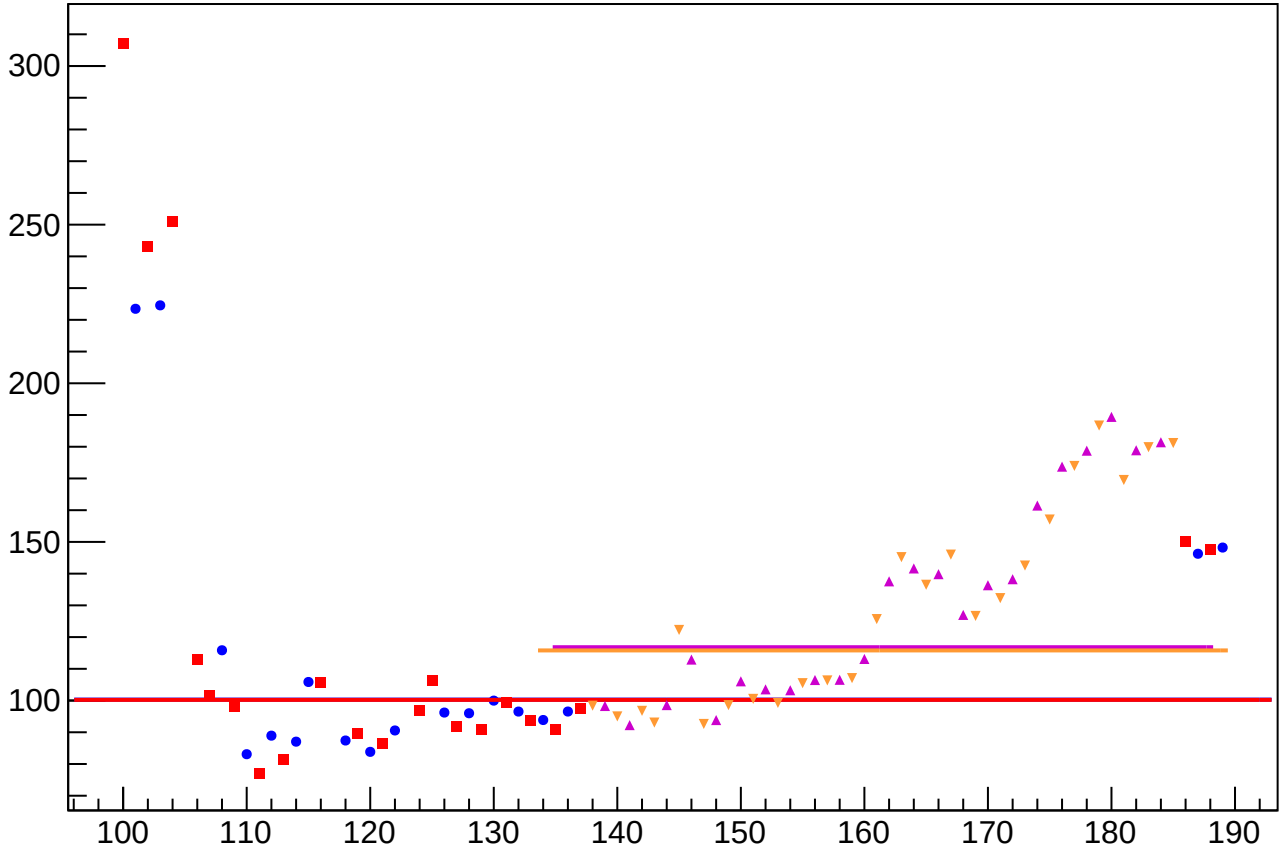
Right: -74.288+/-26.183 χ^2/NDF: 100888.8/38

In: -3572.747+/-22.668 χ^2/NDF:67969.2/40

Out: -2335.156+/-21.716 χ^2/NDF:143517.7/45

All: -2927.413+/-15.681 χ^2/NDF: 213041.2/8

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 100.295+/-0.027 χ^2/NDF: 1021736.3/17

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 100.209+/-0.025 χ^2/NDF: 1323896.9/20

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

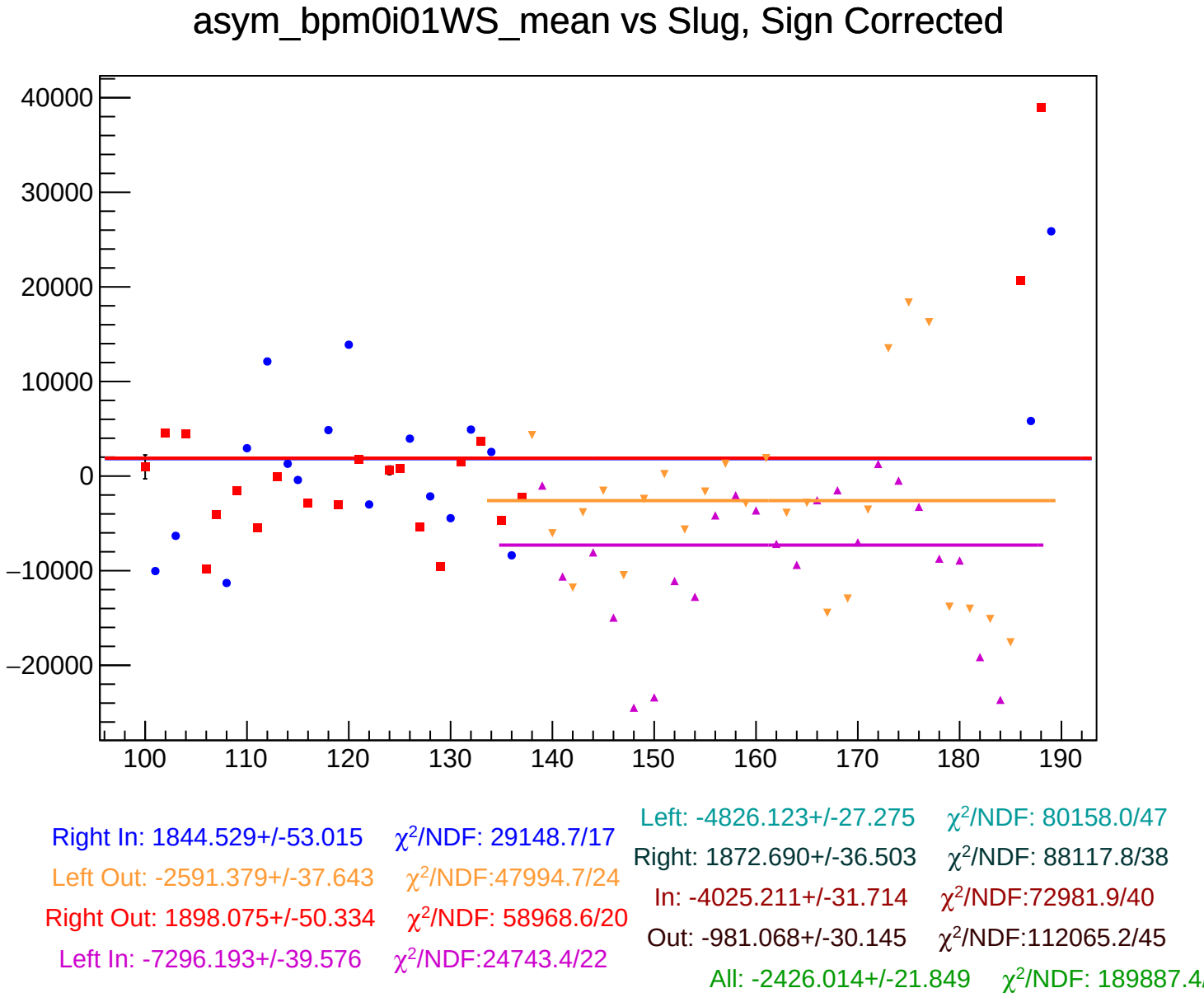
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 100.250+/-0.019 χ^2/NDF: 2345638.6/38

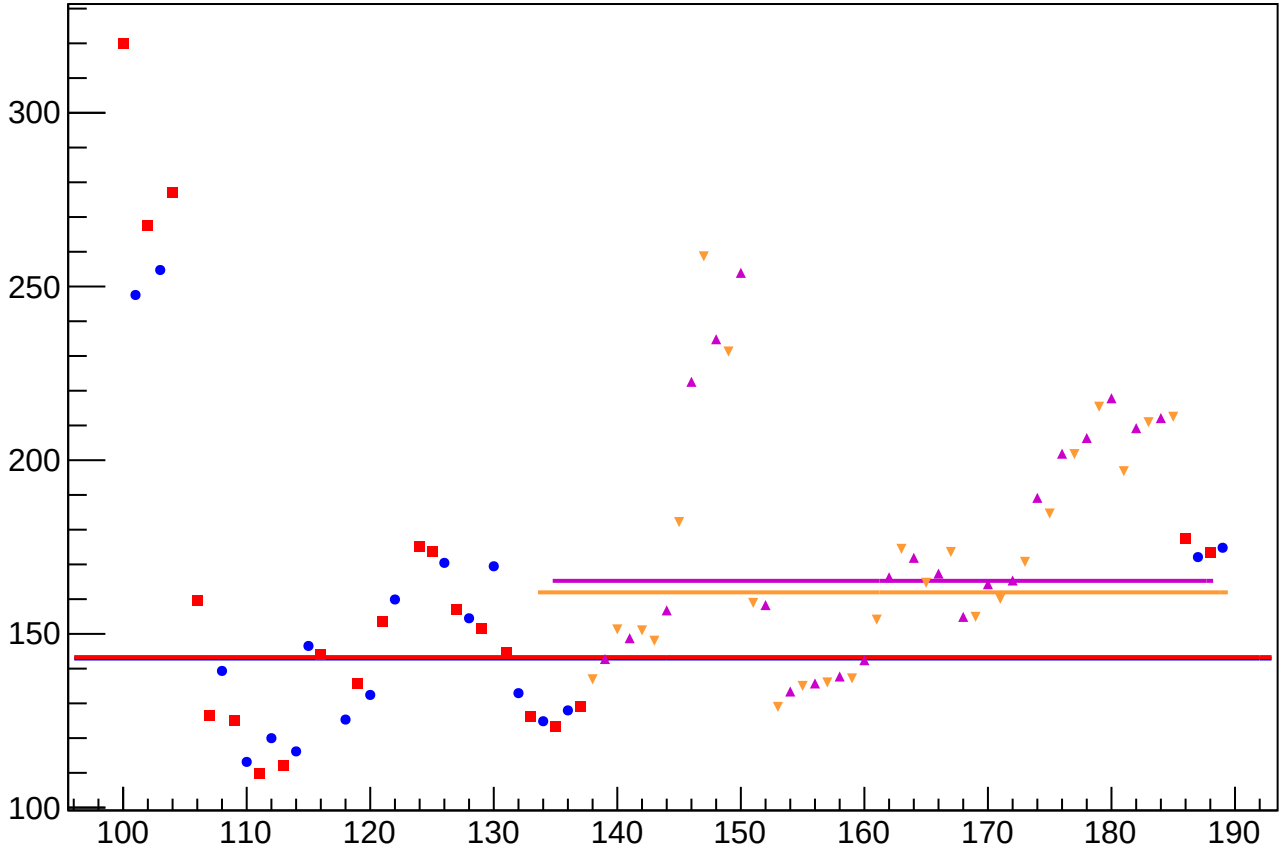
In: 110.965+/-0.016 χ^2/NDF:2882066.2/40

Out: 110.138+/-0.015 χ^2/NDF:3311257.5/45

All: 110.533+/-0.011 χ^2/NDF: 6194712.3/86


asym_bpm0i01WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1844.529+/-53.015 χ²/NDF: 29148.7/17
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: 1898.075+/-50.334 χ²/NDF: 58968.6/20
Left In: -7296.193+/-39.576 χ²/NDF:24743.4/22
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 1872.690+/-36.503 χ²/NDF: 88117.8/38
In: -4025.211+/-31.714 χ²/NDF:72981.9/40
Out: -981.068+/-30.145 χ²/NDF:112065.2/45
All: -2426.014+/-21.849 χ²/NDF: 189887.4/8

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 142.915+/-0.037 χ^2/NDF: 724454.1/17

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 143.322+/-0.036 χ^2/NDF: 901573.9/20

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

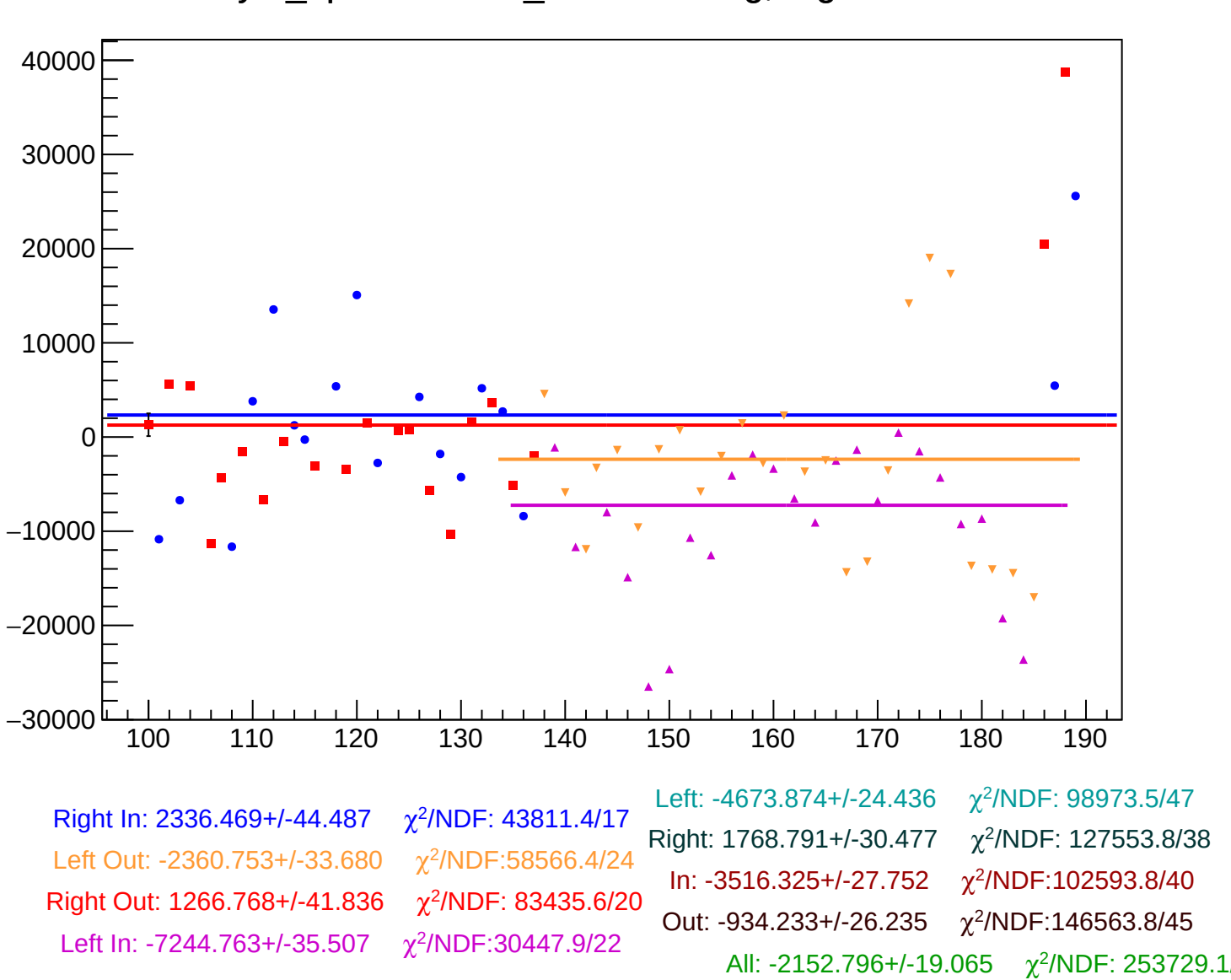
Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

Right: 143.129+/-0.026 χ^2/NDF: 1626090.1/38

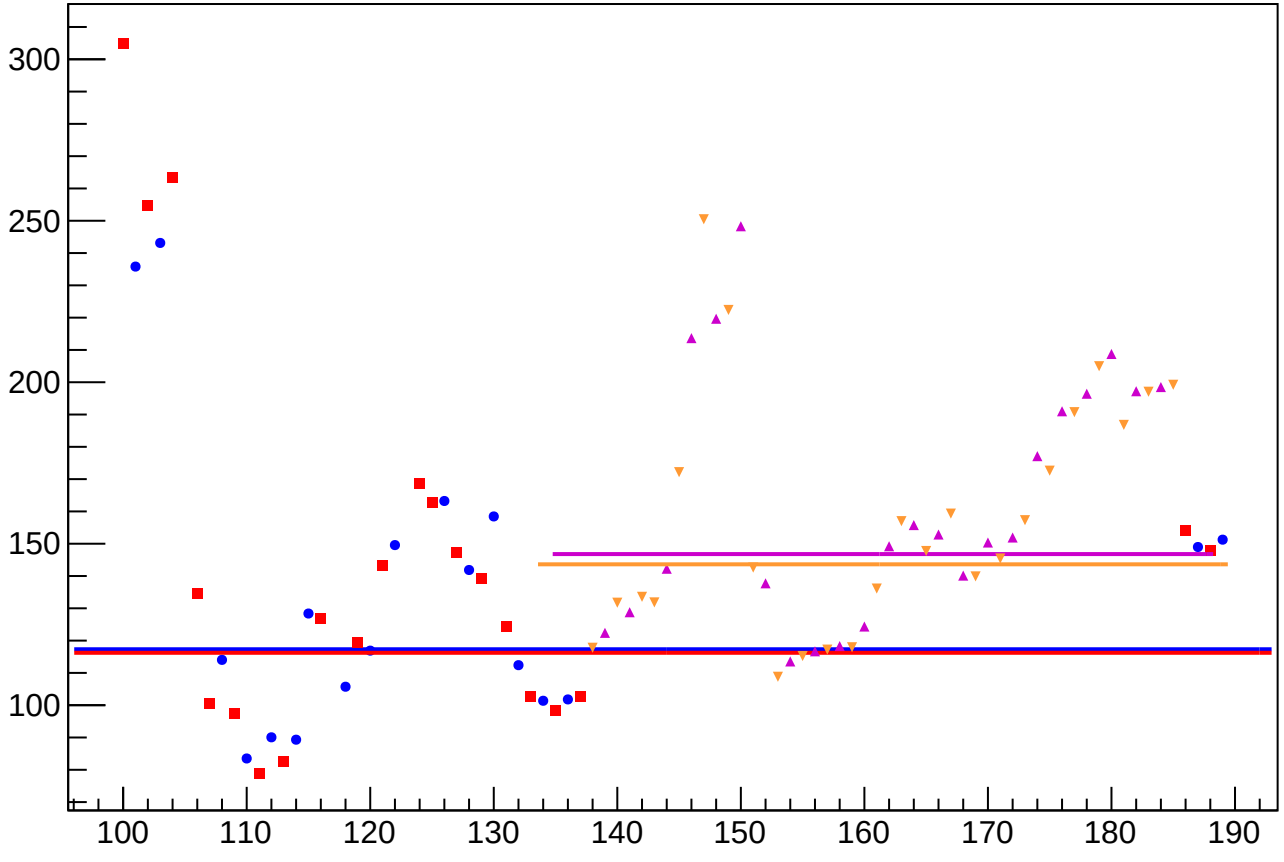
In: 157.272+/-0.022 χ^2/NDF:2131955.7/40

Out: 155.273+/-0.021 χ^2/NDF:2222176.3/45

All: 156.222+/-0.015 χ^2/NDF: 4358306.2/86


asym_bpm0i01aWS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 2336.469+/-44.487 χ²/NDF: 43811.4/17
Left Out: -2360.753+/-33.680 χ²/NDF:58566.4/24
Right Out: 1266.768+/-41.836 χ²/NDF: 83435.6/20
Left In: -7244.763+/-35.507 χ²/NDF:30447.9/22
Left: -4673.874+/-24.436 χ²/NDF: 98973.5/47
Right: 1768.791+/-30.477 χ²/NDF: 127553.8/38
In: -3516.325+/-27.752 χ²/NDF:102593.8/40
Out: -934.233+/-26.235 χ²/NDF:146563.8/45
All: -2152.796+/-19.065 χ²/NDF: 253729.1/8

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 117.322+/-0.031 χ^2/NDF: 1187001.9/17

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 116.229+/-0.030 χ^2/NDF: 1481688.7/20

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

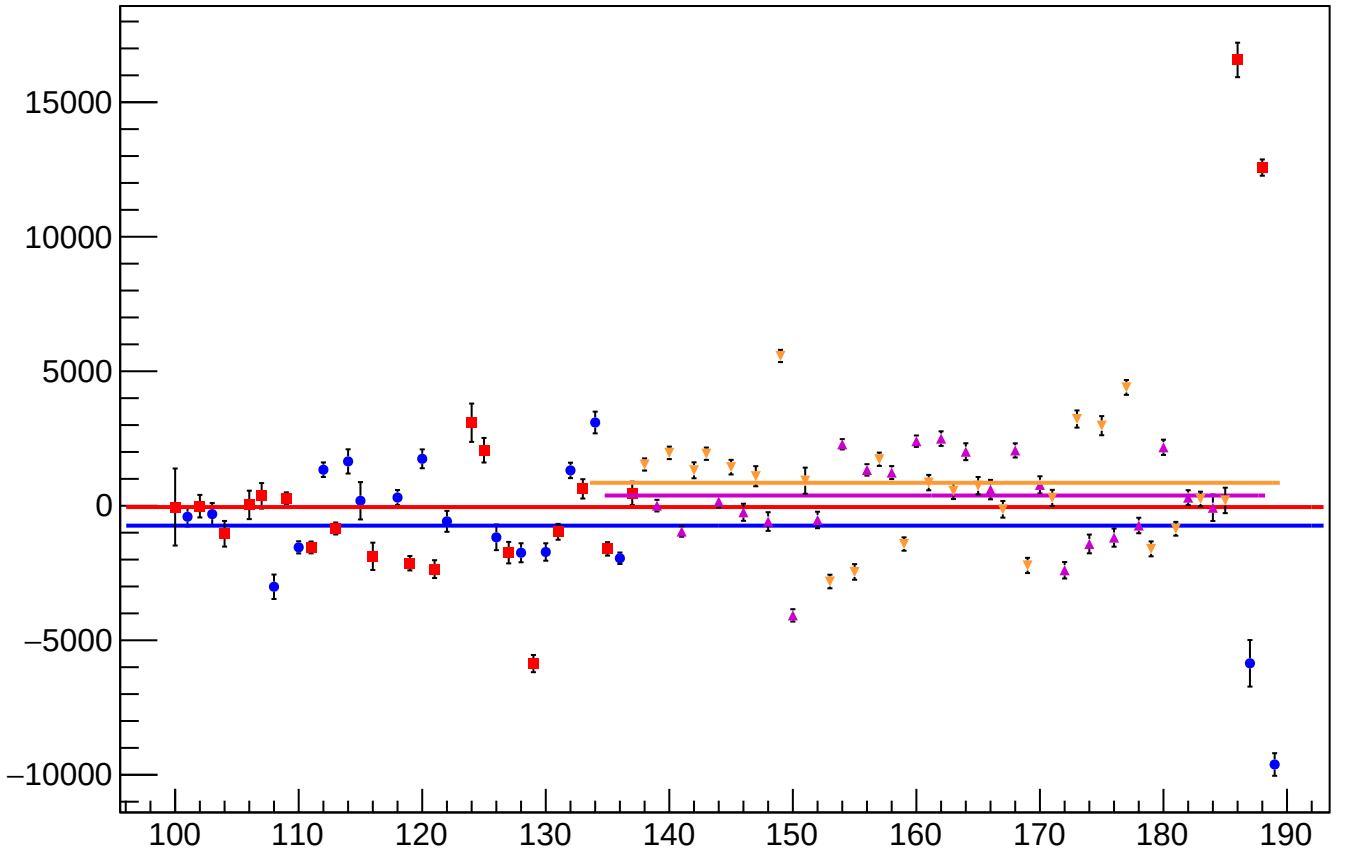
Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

Right: 116.742+/-0.022 χ^2/NDF: 2669331.2/38

In: 135.325+/-0.020 χ^2/NDF:3417700.8/40

Out: 132.850+/-0.019 χ^2/NDF:3664795.6/45

All: 134.018+/-0.013 χ^2/NDF: 7090896.6/86



Right In: -738.499+/-80.263 χ^2/NDF: 865.3/17

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -47.162+/-73.625 χ^2/NDF: 3043.7/20

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

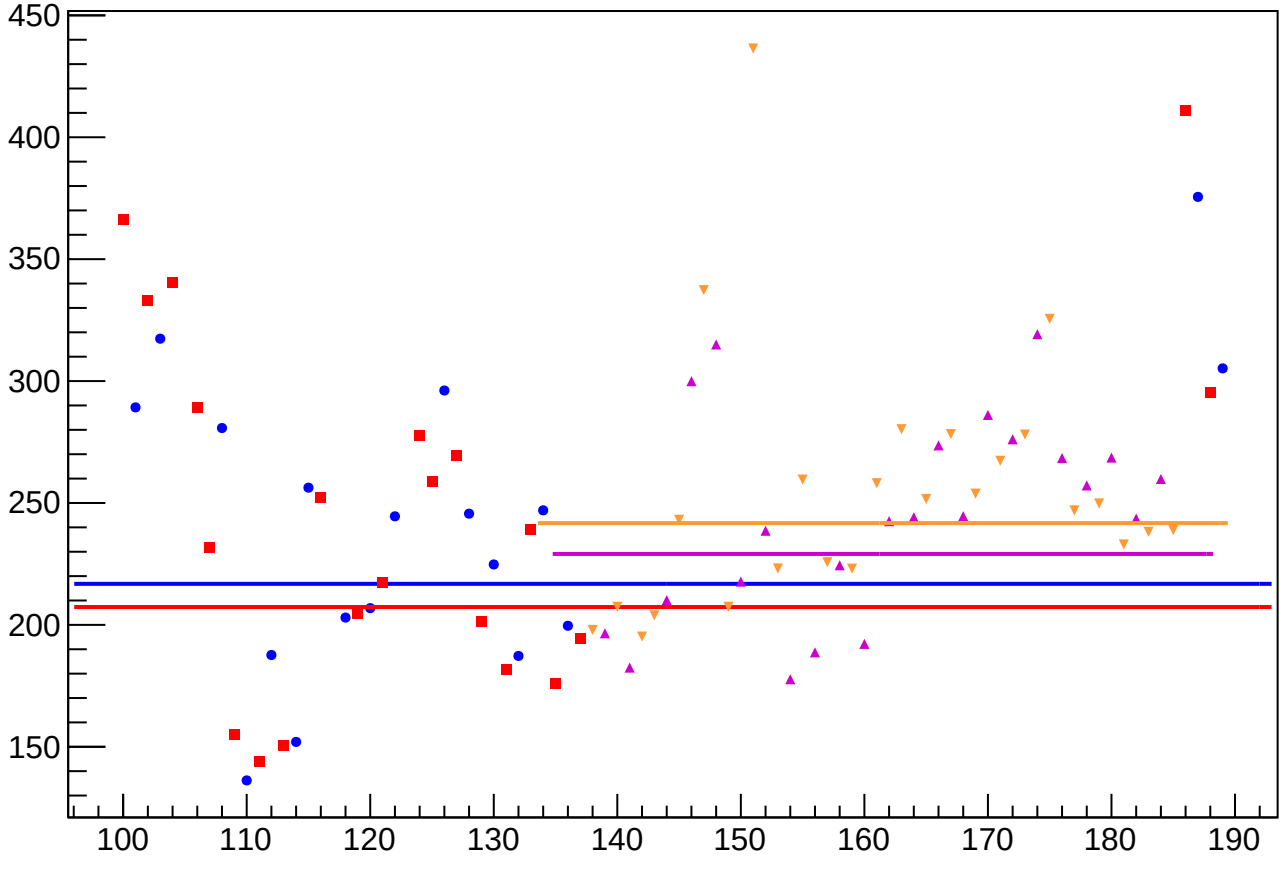
Right: -363.067+/-54.256 χ^2/NDF: 3949.3/38

In: 22.000+/-45.446 χ^2/NDF:1979.8/40

Out: 521.906+/-44.691 χ^2/NDF:4582.2/45

All: 276.139+/-31.865 χ^2/NDF: 6623.5/86

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 216.834+/-0.057 χ^2/NDF: 852939.1/17

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 207.323+/-0.052 χ^2/NDF: 1370962.4/20

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

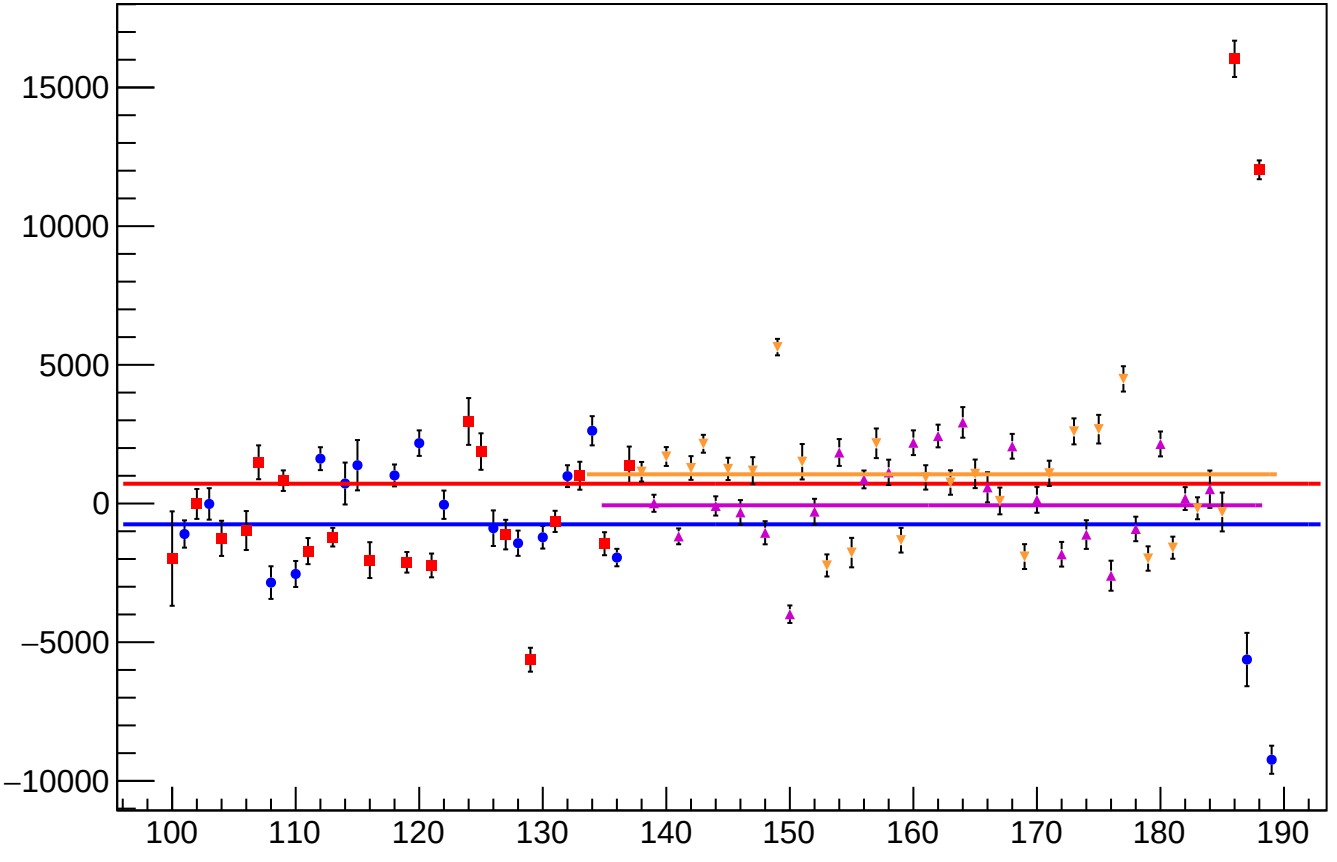
Right: 211.669+/-0.038 χ^2/NDF: 2239152.0/38

In: 225.170+/-0.032 χ^2/NDF:1953652.1/40

Out: 229.063+/-0.032 χ^2/NDF:2633457.0/45

All: 227.149+/-0.023 χ^2/NDF: 4594569.1/86

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -749.950+/-114.009 χ^2/NDF: 519.1/17

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 713.279+/-105.888 χ^2/NDF: 2146.1/20

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

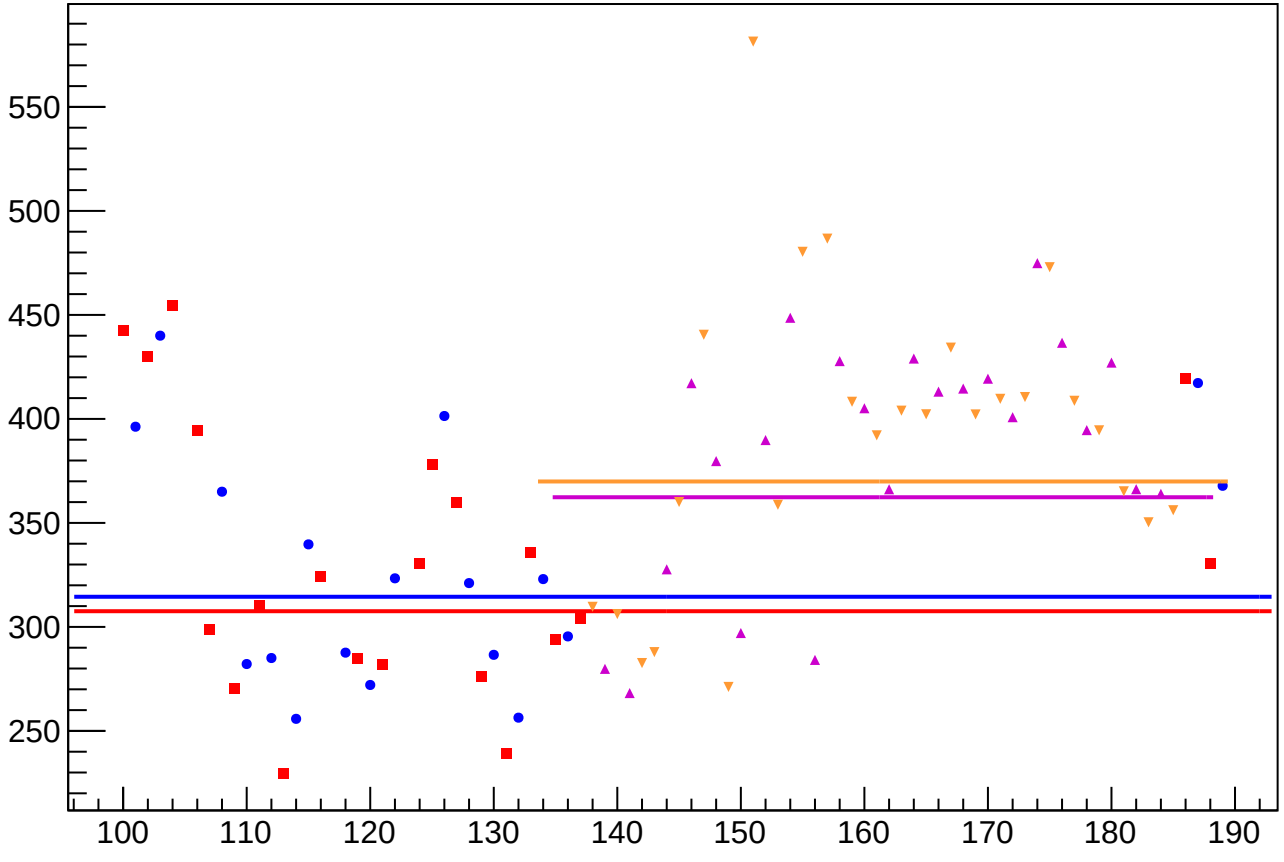
Right: 35.632+/-77.586 χ^2/NDF: 2753.6/38

In: -315.600+/-68.991 χ^2/NDF:936.5/40

Out: 918.386+/-66.707 χ^2/NDF:2766.9/45

All: 322.158+/-47.956 χ^2/NDF: 3868.7/86

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 314.495+/-0.081 χ^2/NDF: 371123.0/17

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 307.548+/-0.075 χ^2/NDF: 593258.3/20

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

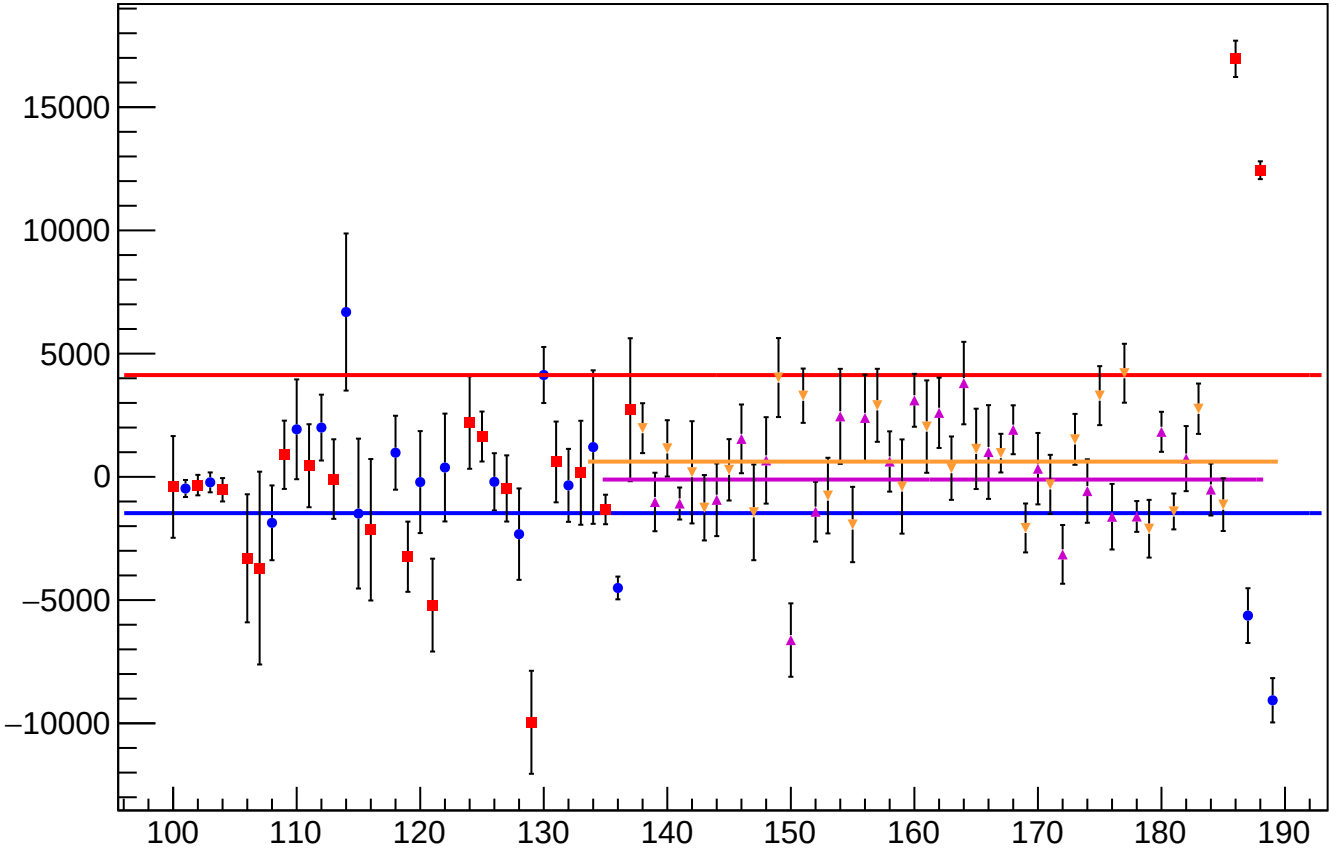
Right: 310.765+/-0.055 χ^2/NDF: 968368.8/38

In: 344.820+/-0.049 χ^2/NDF:1647770.4/40

Out: 345.168+/-0.047 χ^2/NDF:2242139.2/45

All: 345.000+/-0.034 χ^2/NDF: 3889935.8/86

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -1471.950+/-196.462 χ^2/NDF: 193.4/17

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 4129.309+/-189.355 χ^2/NDF: 1289.3/20

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

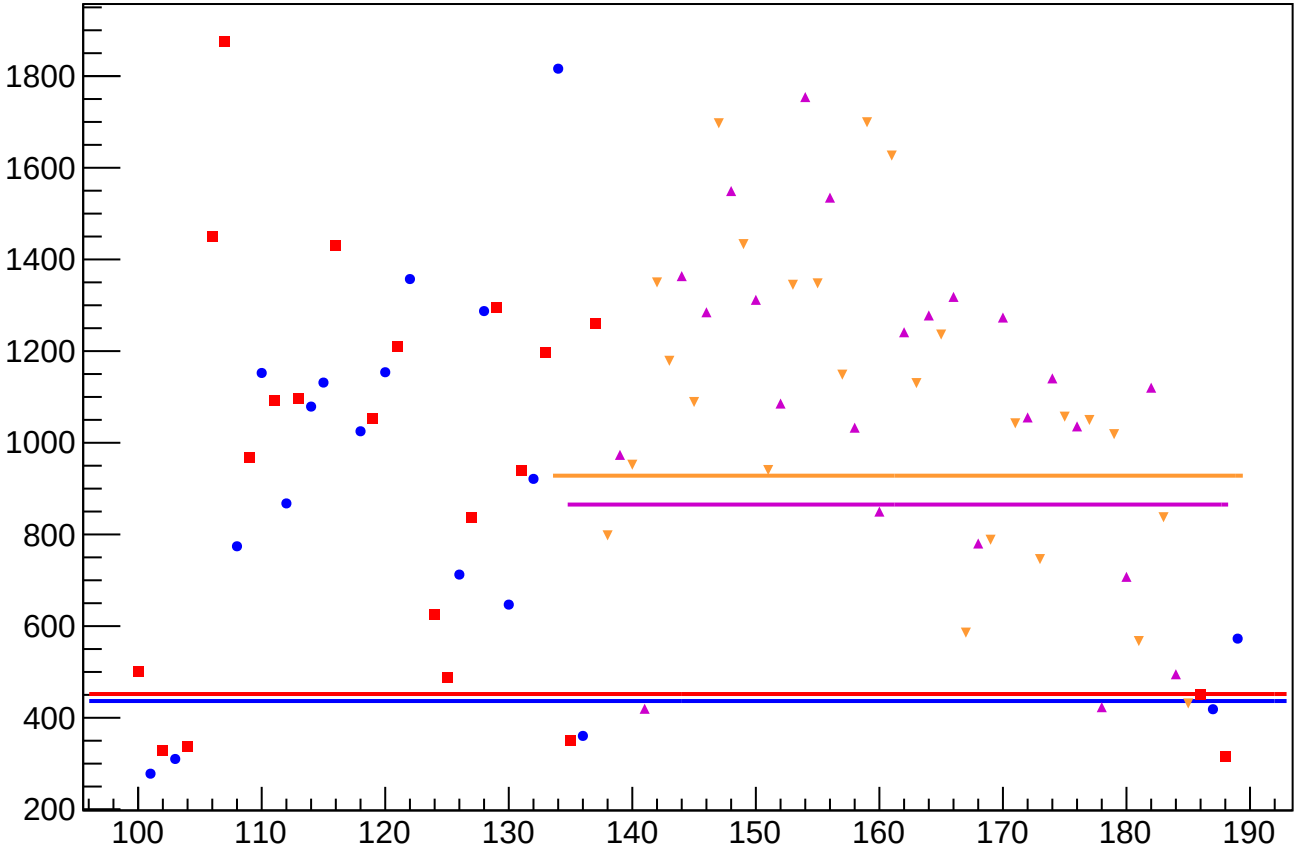
Right: 1431.824+/-136.337 χ^2/NDF: 1904.1/38

In: -919.338+/-151.466 χ^2/NDF:284.6/40

Out: 2769.490+/-148.214 χ^2/NDF:1488.2/45

All: 965.095+/-105.934 χ^2/NDF: 2075.8/86

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 436.567+/-0.139 χ^2/NDF: 3570268.3/17

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 451.873+/-0.134 χ^2/NDF: 4083486.8/20

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

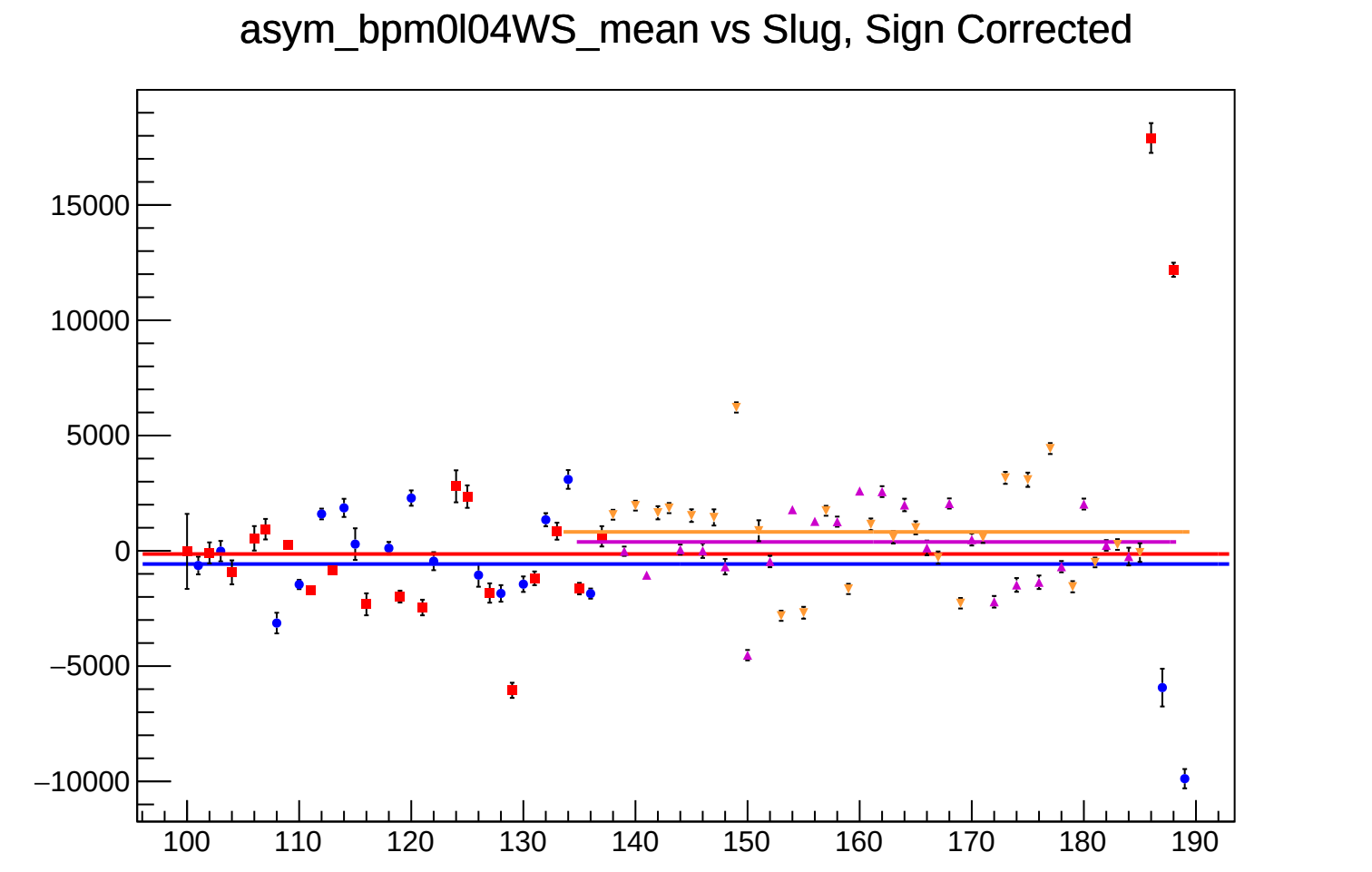
Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

Right: 444.502+/-0.096 χ^2/NDF: 7660048.2/38

In: 610.433+/-0.107 χ^2/NDF:12224822.5/40

Out: 636.383+/-0.105 χ^2/NDF:12280963.3/45

All: 623.689+/-0.075 χ^2/NDF: 24535775.2/86



Right In: -572.839+/-78.091 χ^2/NDF: 979.0/17

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -137.928+/-70.642 χ^2/NDF: 3054.0/20

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

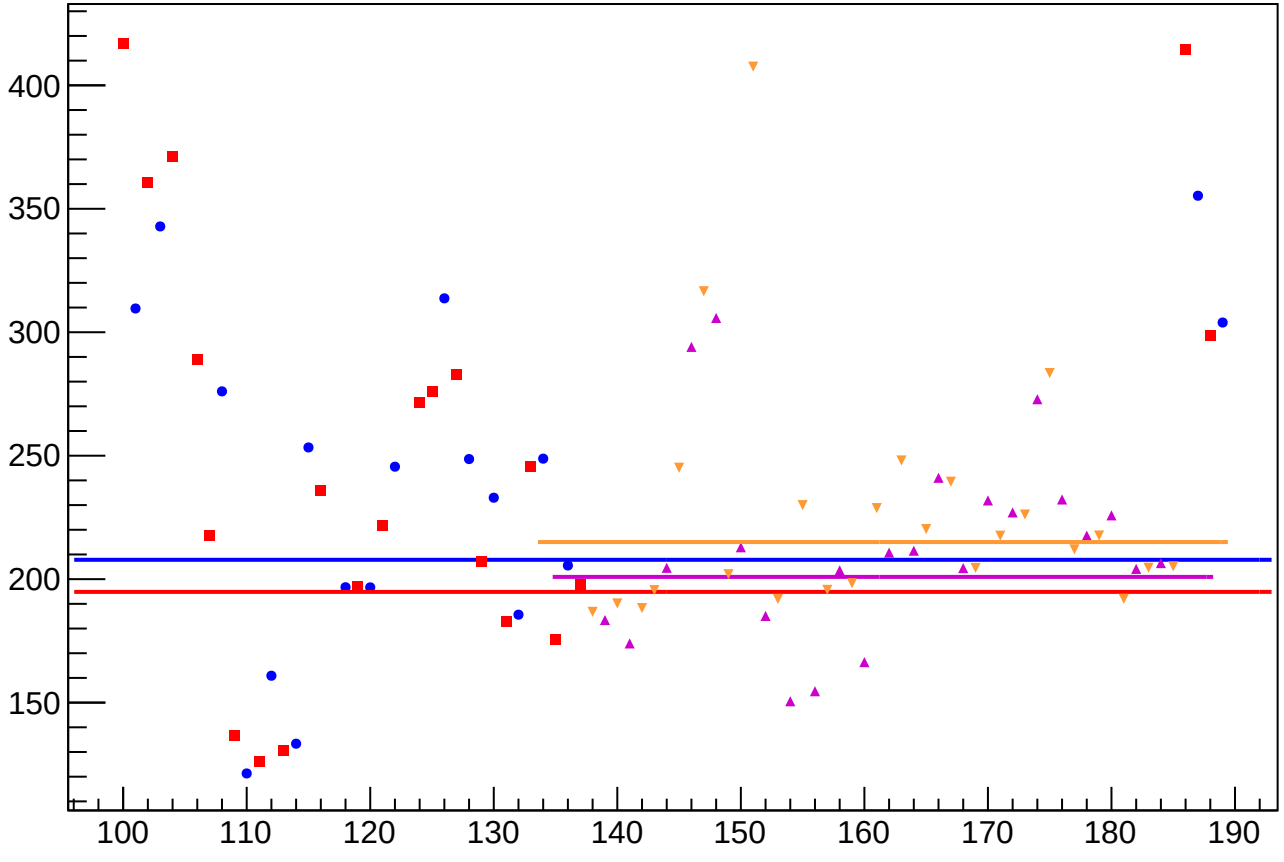
Right: -333.655+/-52.387 χ^2/NDF: 4050.1/38

In: 118.739+/-41.173 χ^2/NDF:2340.9/40

Out: 500.855+/-40.809 χ^2/NDF:5167.5/45

All: 311.490+/-28.984 χ^2/NDF: 7551.9/86

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 207.840+/-0.055 χ^2/NDF: 1249575.9/17

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 194.846+/-0.050 χ^2/NDF: 1971155.3/20

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

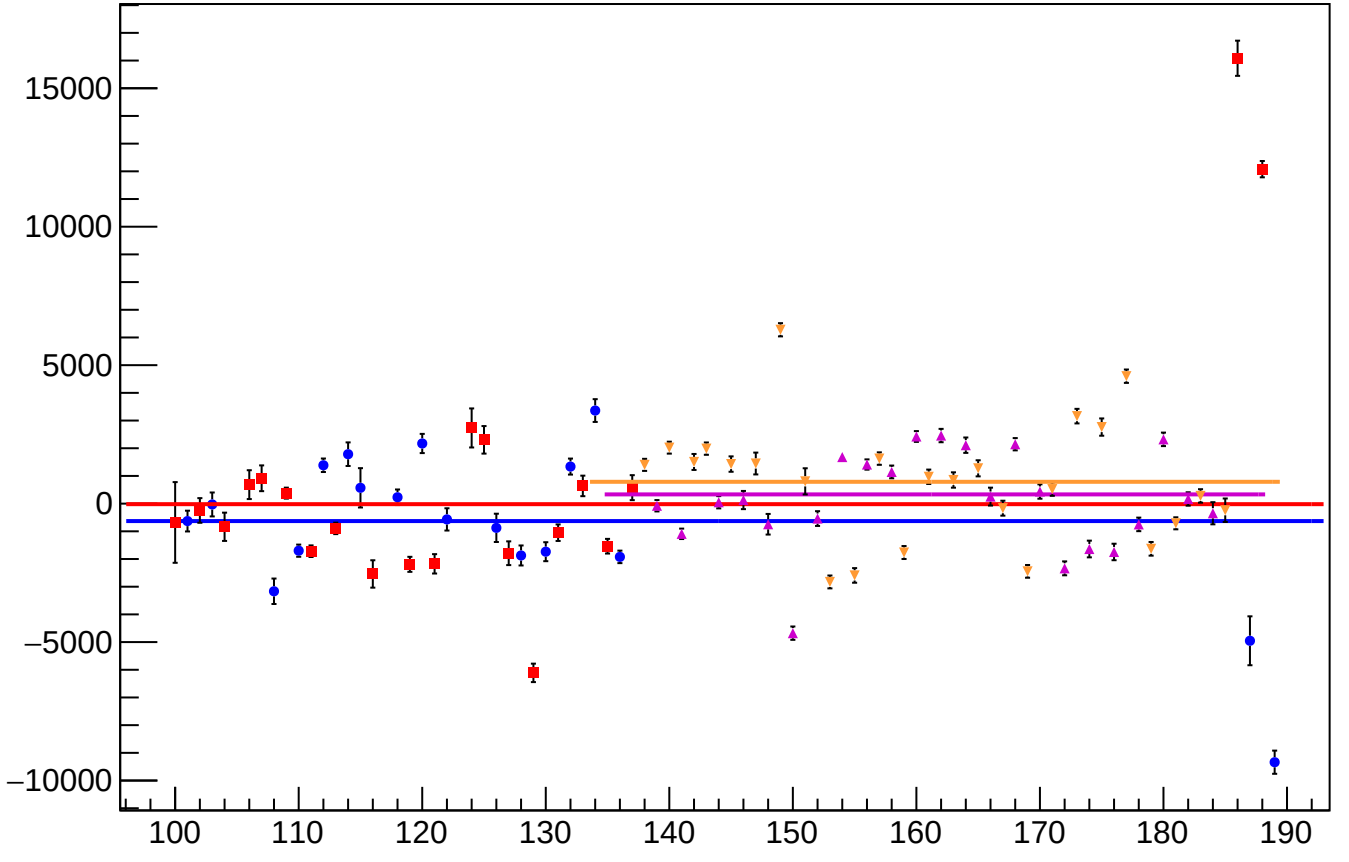
Right: 200.694+/-0.037 χ^2/NDF: 3251187.9/38

In: 202.842+/-0.029 χ^2/NDF:2366769.4/40

Out: 208.292+/-0.029 χ^2/NDF:2977698.6/45

All: 205.591+/-0.020 χ^2/NDF: 5362146.2/86

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -630.108+/-80.596 χ^2/NDF: 886.4/17

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -19.471+/-73.076 χ^2/NDF: 2990.7/20

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

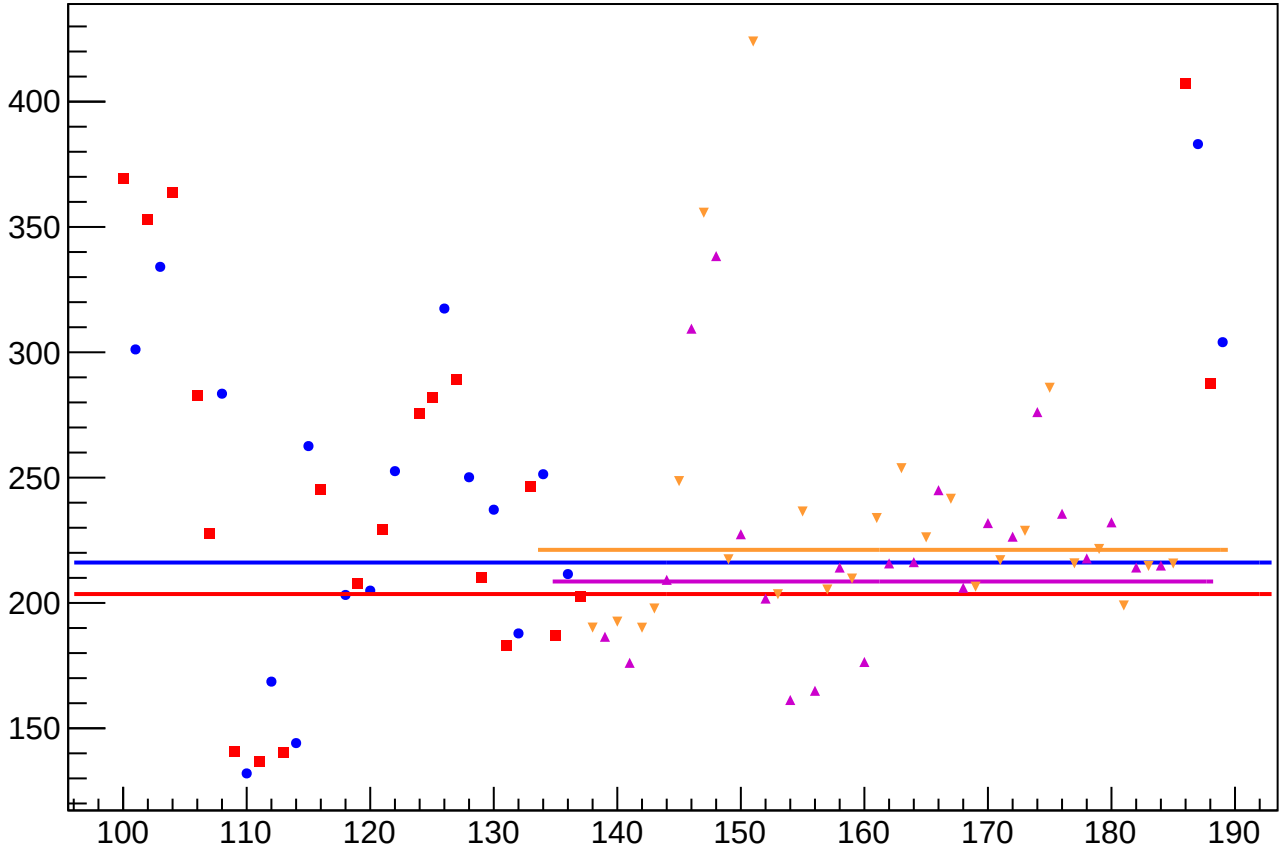
Right: -294.977+/-54.136 χ^2/NDF: 3908.6/38

In: 64.060+/-42.607 χ^2/NDF:2204.6/40

Out: 520.640+/-42.055 χ^2/NDF:4962.6/45

All: 295.328+/-29.931 χ^2/NDF: 7225.4/86

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.122+/-0.057 χ^2/NDF: 1050954.6/17

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 203.552+/-0.052 χ^2/NDF: 1677571.4/20

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

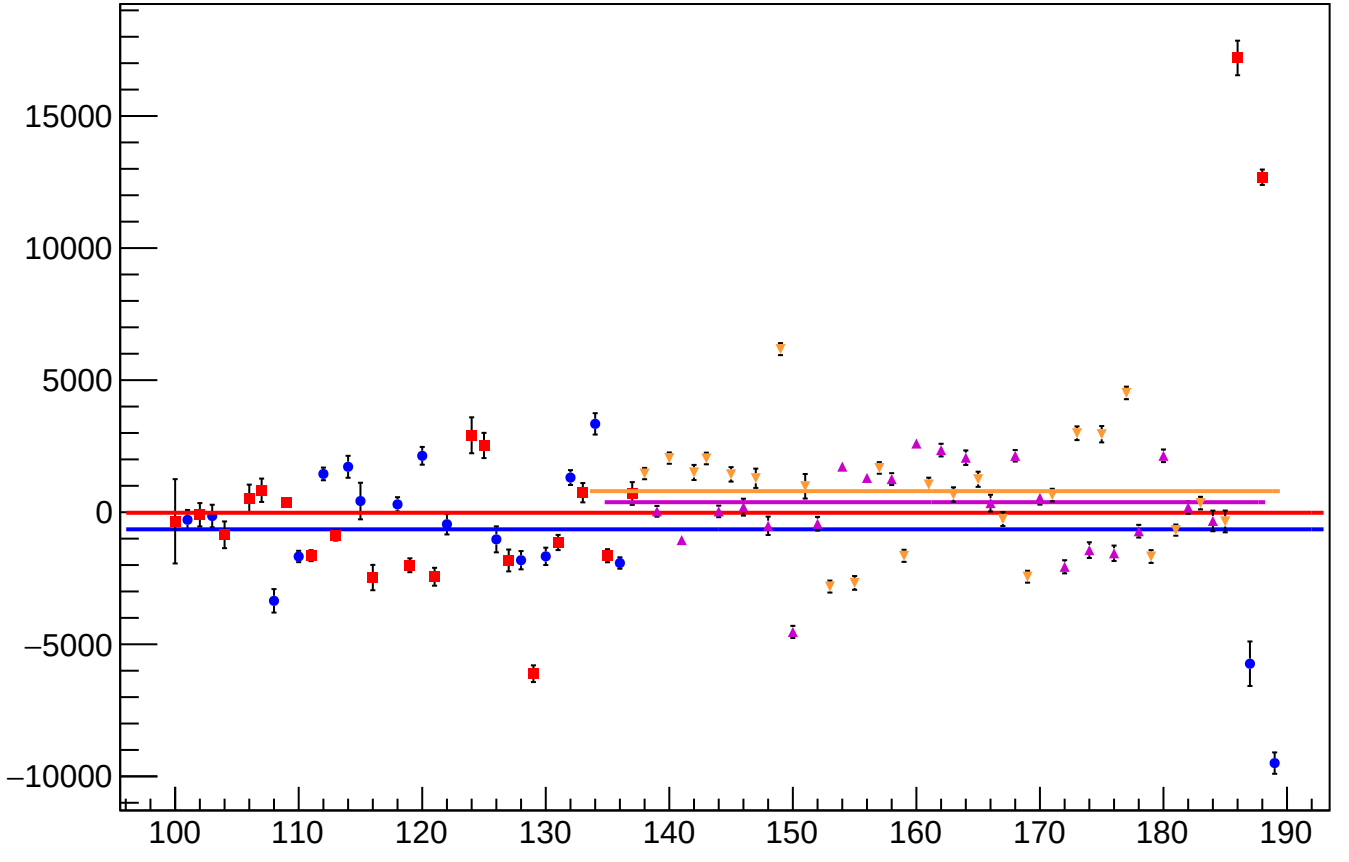
Right: 209.223+/-0.038 χ^2/NDF: 2755225.2/38

In: 210.670+/-0.030 χ^2/NDF:2099290.7/40

Out: 215.345+/-0.030 χ^2/NDF:2694977.1/45

All: 213.038+/-0.021 χ^2/NDF: 4806461.9/86

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -647.554+/-78.352 χ^2/NDF: 970.4/17

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -20.465+/-70.731 χ^2/NDF: 3315.4/20

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

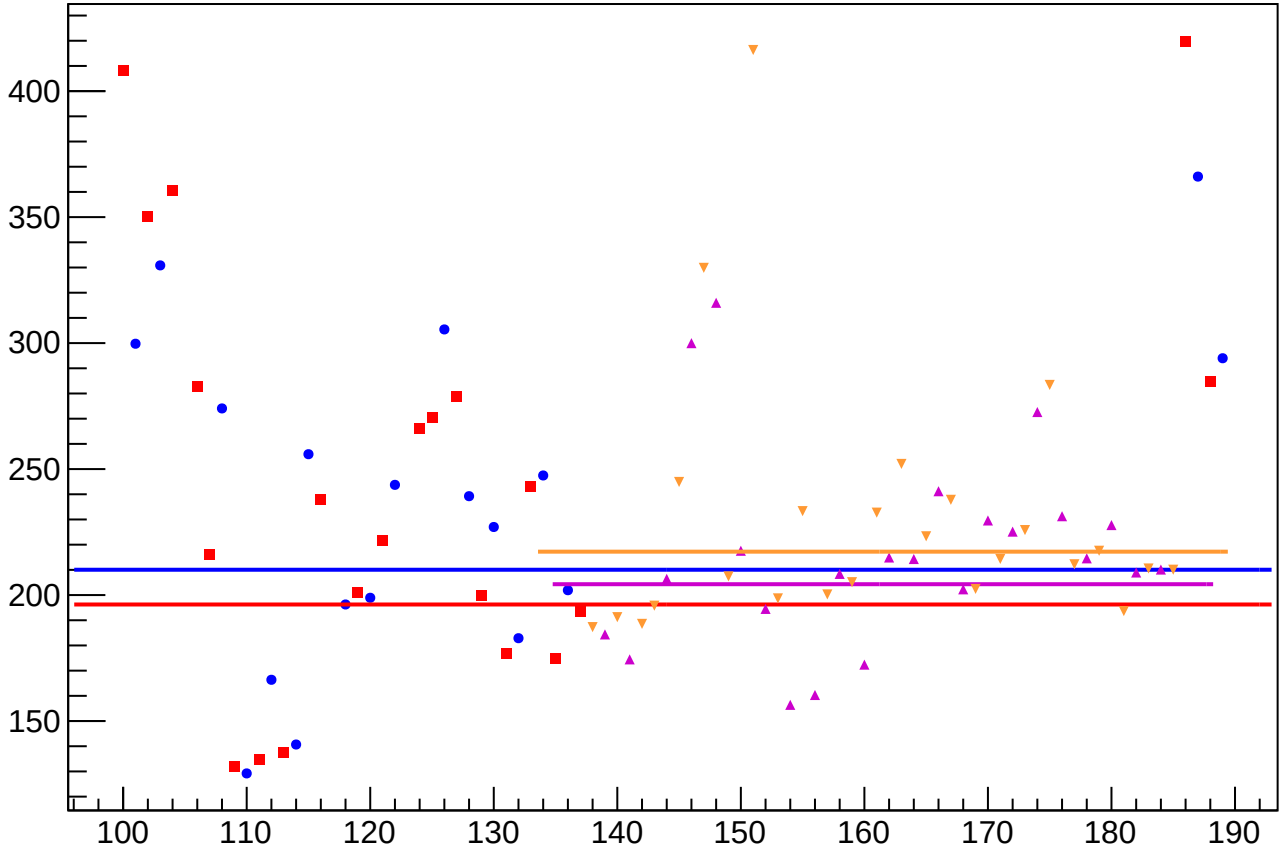
Right: -302.033+/-52.502 χ^2/NDF: 4321.1/38

In: 89.252+/-41.656 χ^2/NDF:2294.9/40

Out: 521.338+/-41.097 χ^2/NDF:5364.8/45

All: 308.217+/-29.256 χ^2/NDF: 7714.2/86

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 210.048+/-0.055 χ^2/NDF: 1038690.8/17

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 196.257+/-0.050 χ^2/NDF: 1780611.5/20

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

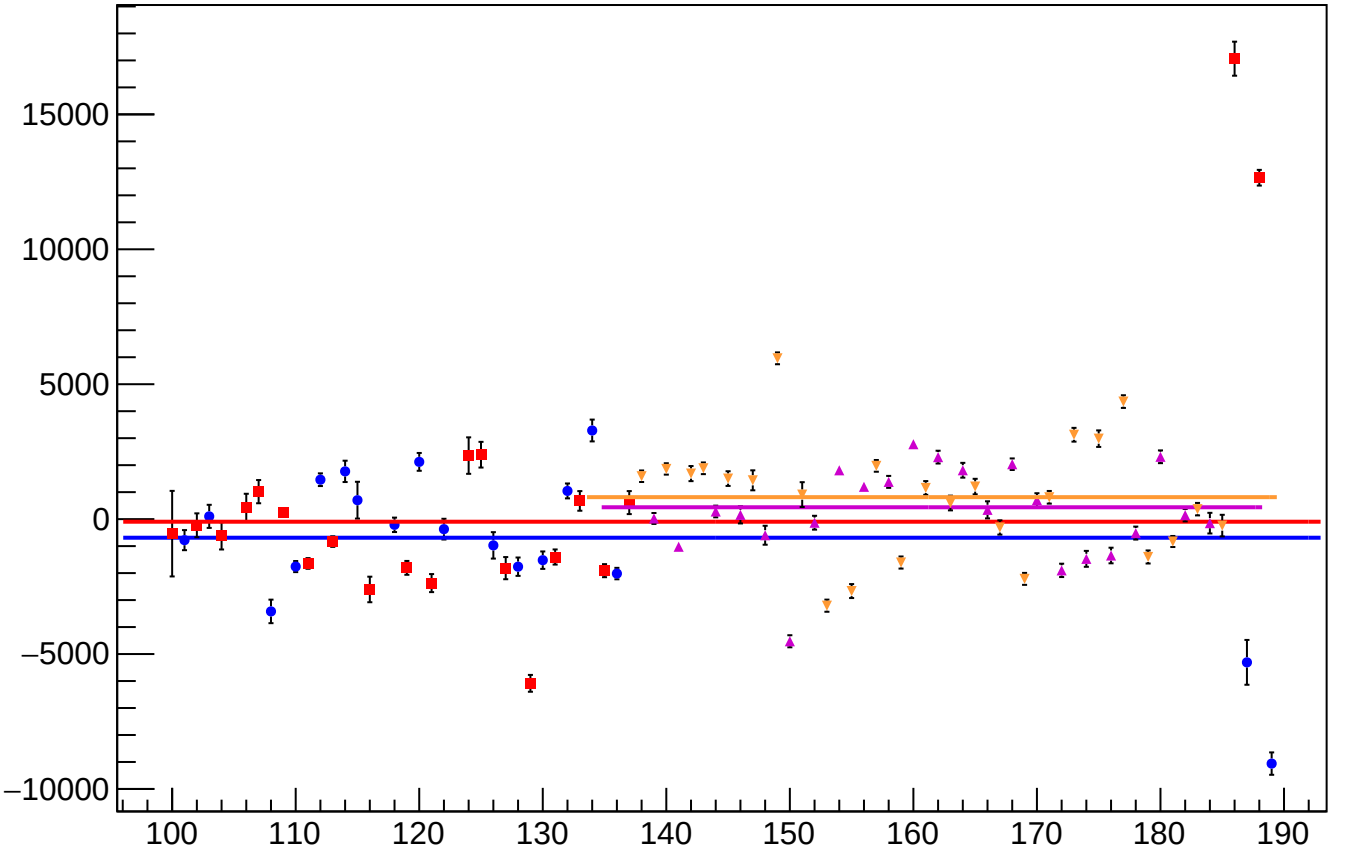
Right: 202.449+/-0.037 χ^2/NDF: 2853443.2/38

In: 205.931+/-0.029 χ^2/NDF:2061440.2/40

Out: 210.146+/-0.029 χ^2/NDF:2807475.0/45

All: 208.067+/-0.021 χ^2/NDF: 4879293.5/86

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -689.069+/-76.864 χ^2/NDF: 902.5/17

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -95.986+/-69.054 χ^2/NDF: 3377.0/20

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

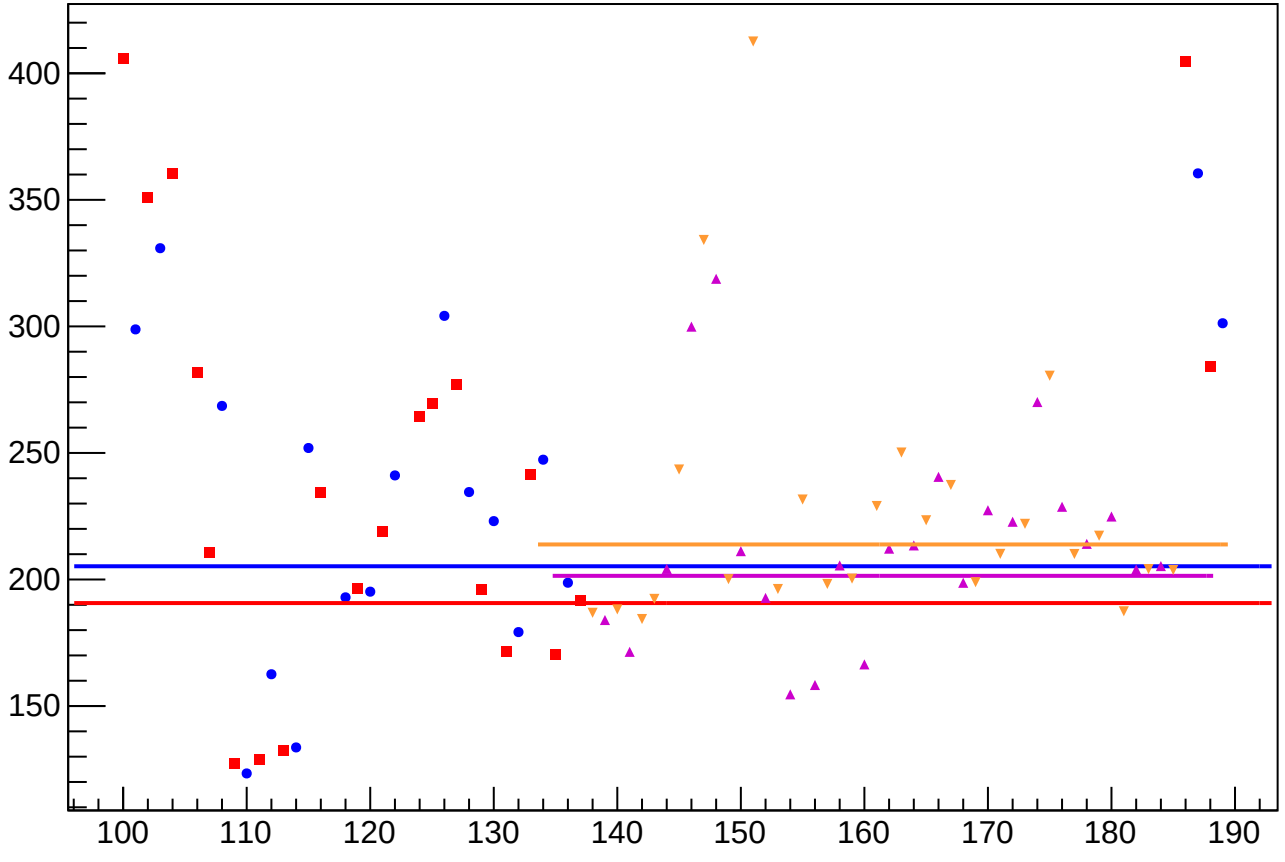
Right: -360.874+/-51.369 χ^2/NDF: 4312.5/38

In: 117.915+/-41.039 χ^2/NDF:2291.7/40

Out: 503.166+/-40.370 χ^2/NDF:5491.8/45

All: 313.702+/-28.780 χ^2/NDF: 7828.2/86

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 205.230+/-0.054 χ^2/NDF: 1143505.1/17

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 190.687+/-0.049 χ^2/NDF: 1910019.9/20

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

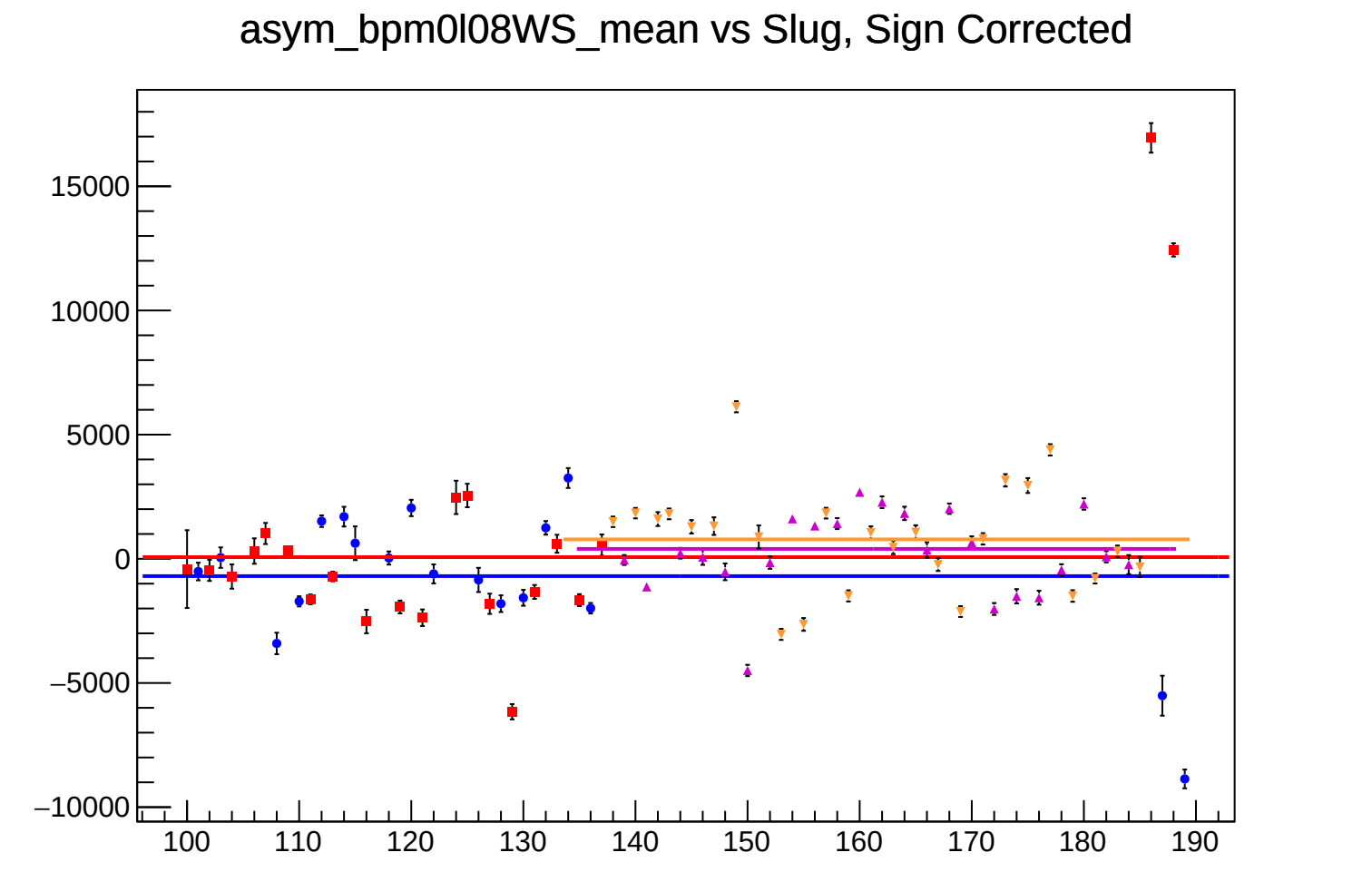
Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

Right: 197.182+/-0.036 χ^2/NDF: 3093142.7/38

In: 202.524+/-0.029 χ^2/NDF:2208943.1/40

Out: 205.932+/-0.029 χ^2/NDF:3021697.3/45

All: 204.256+/-0.020 χ^2/NDF: 5237649.1/86



Right In: -696.069+/-75.932 χ^2/NDF: 977.9/17

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 68.222+/-67.998 χ^2/NDF: 3760.3/20

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

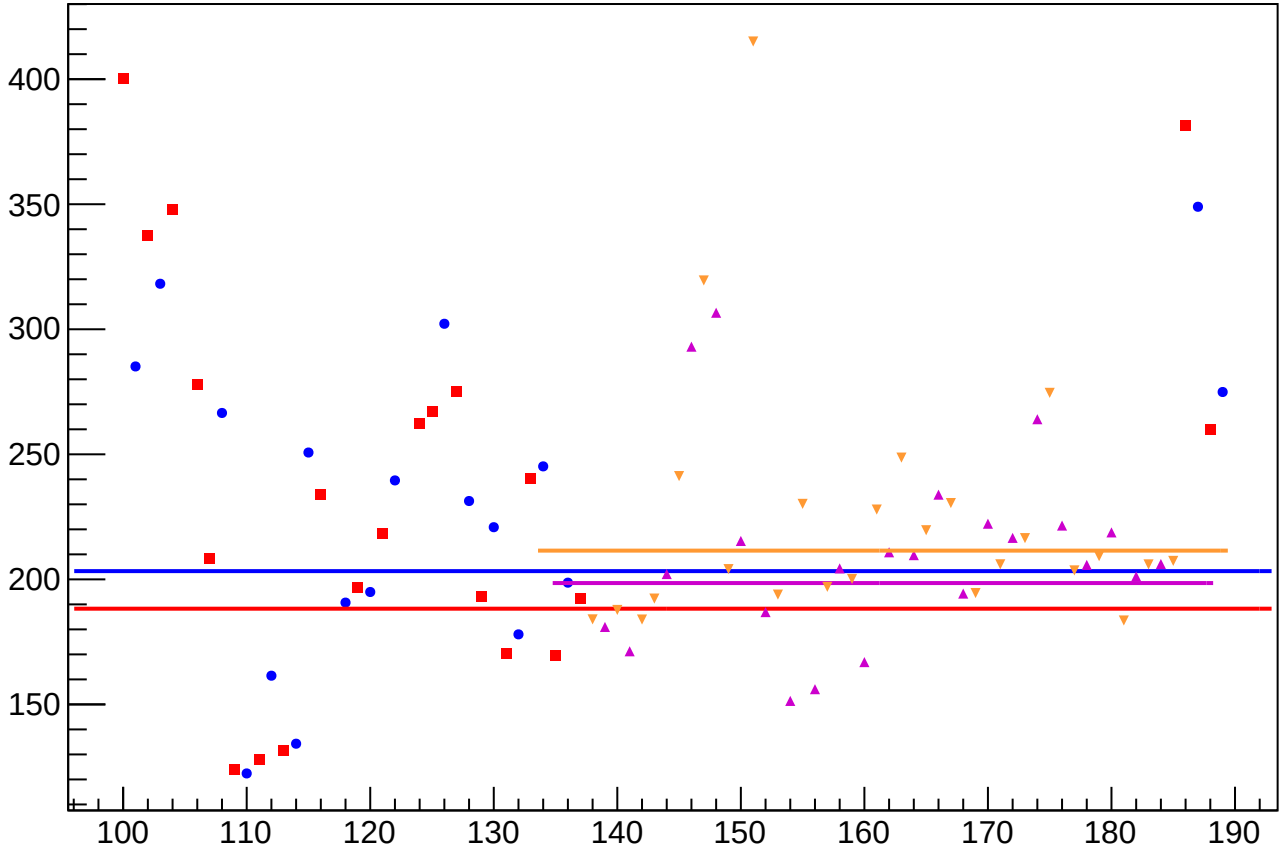
Right: -271.921+/-50.655 χ^2/NDF: 4794.4/38

In: 88.602+/-40.463 χ^2/NDF:2359.0/40

Out: 536.988+/-39.860 χ^2/NDF:5834.0/45

All: 316.164+/-28.396 χ^2/NDF: 8255.3/86

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 203.297+/-0.054 χ^2/NDF: 1056343.0/17

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 188.276+/-0.048 χ^2/NDF: 1814484.2/20

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

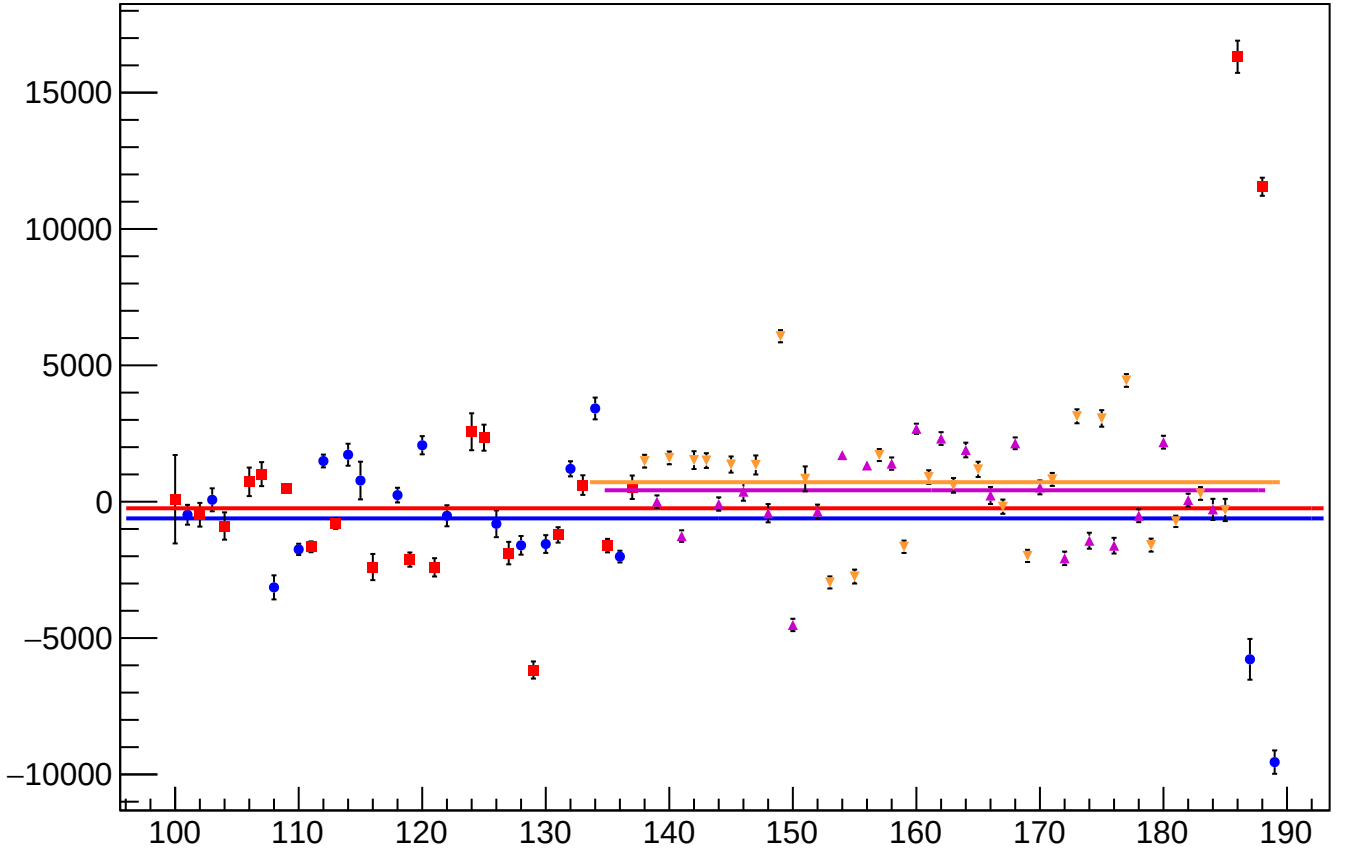
Right: 194.961+/-0.036 χ^2/NDF: 2914262.9/38

In: 199.880+/-0.029 χ^2/NDF:2068458.8/40

Out: 203.517+/-0.028 χ^2/NDF:2902540.1/45

All: 201.726+/-0.020 χ^2/NDF: 4979200.1/86

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -612.521+/-77.252 χ^2/NDF: 944.1/17

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -241.385+/-70.041 χ^2/NDF: 2720.9/20

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

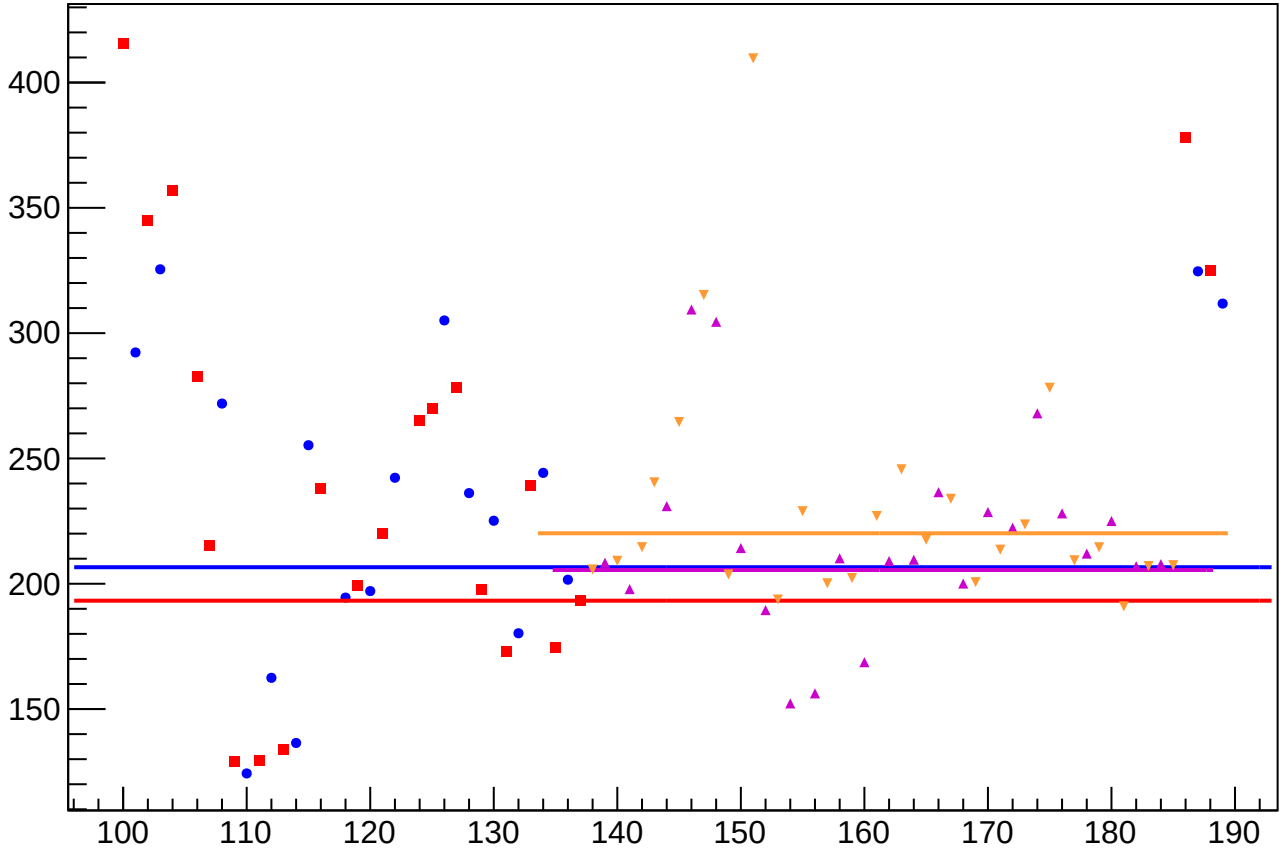
Right: -408.827+/-51.889 χ^2/NDF: 3677.6/38

In: 118.256+/-41.692 χ^2/NDF:2311.3/40

Out: 383.114+/-41.287 χ^2/NDF:4760.7/45

All: 251.979+/-29.336 χ^2/NDF: 7092.4/86

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 206.599+/-0.055 χ^2/NDF: 1102089.3/17

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 193.242+/-0.050 χ^2/NDF: 1946105.2/20

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

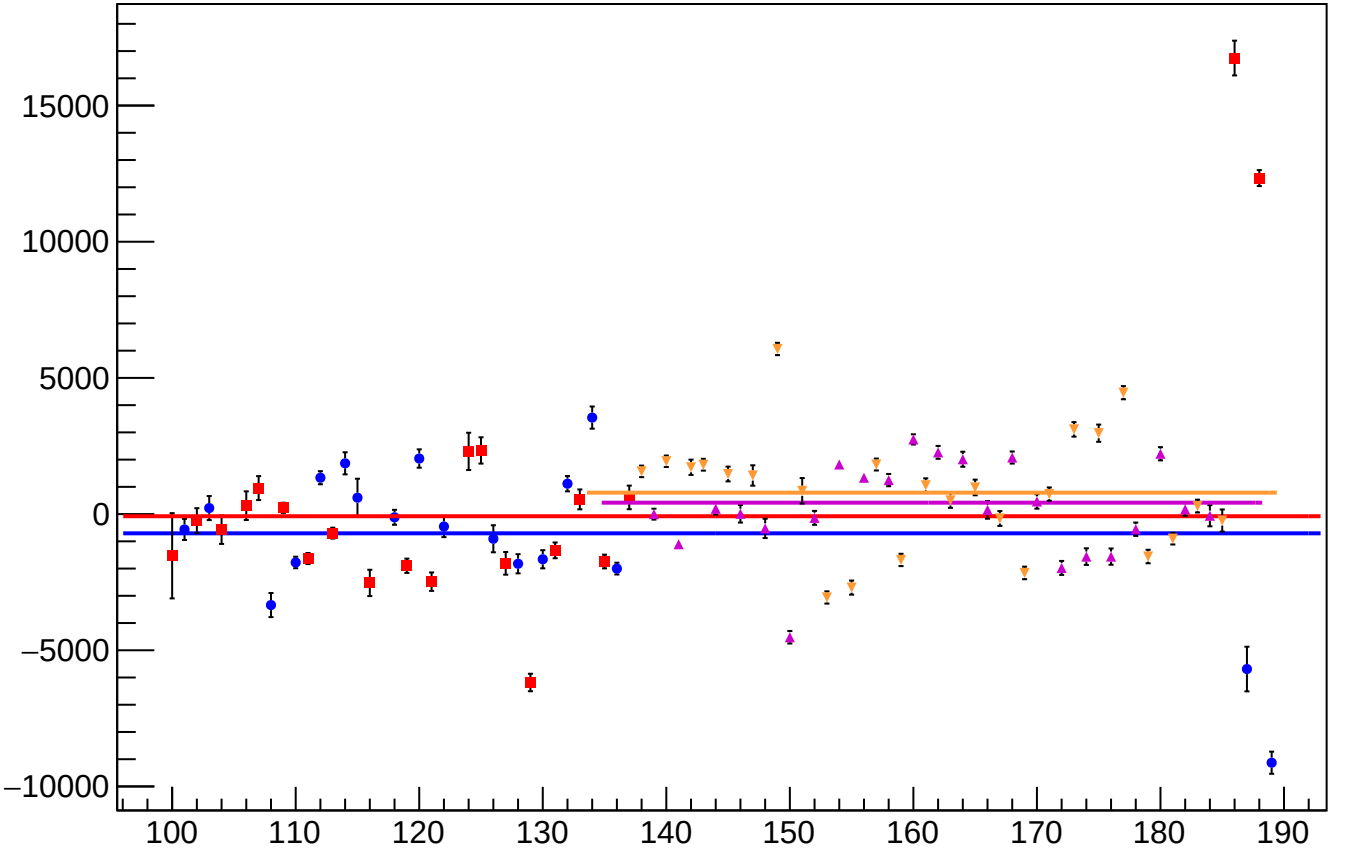
Right: 199.268+/-0.037 χ^2/NDF: 3081006.8/38

In: 205.807+/-0.029 χ^2/NDF:2116351.0/40

Out: 210.797+/-0.029 χ^2/NDF:2938345.5/45

All: 208.326+/-0.021 χ^2/NDF: 5069163.8/86

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -705.952+/-78.481 χ^2/NDF: 923.9/17

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -78.402+/-70.771 χ^2/NDF: 3172.4/20

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

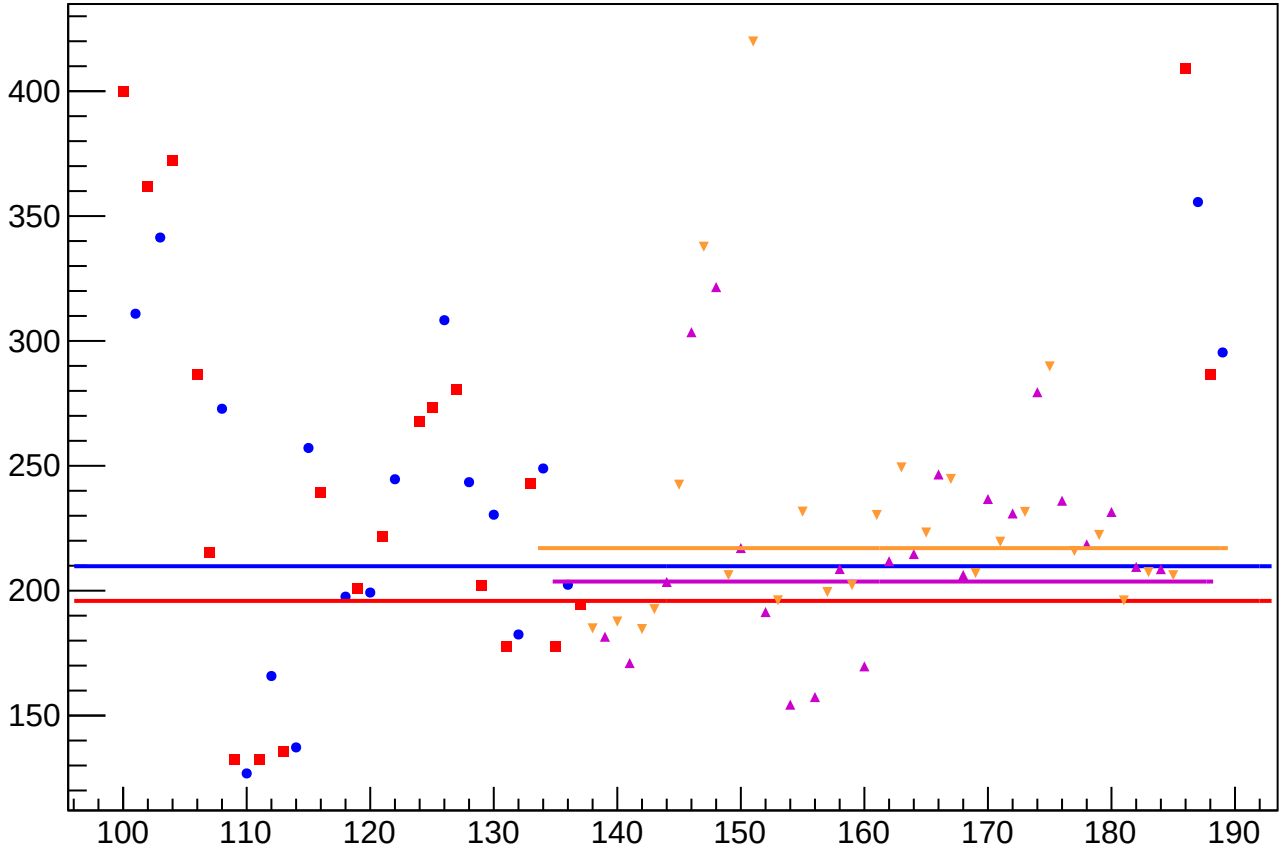
Right: -359.844+/-52.558 χ^2/NDF: 4131.6/38

In: 101.941+/-41.656 χ^2/NDF:2282.5/40

Out: 494.787+/-41.120 χ^2/NDF:5209.0/45

All: 300.908+/-29.264 χ^2/NDF: 7536.5/86

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 209.795+/-0.055 χ^2/NDF: 1121840.1/17

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 195.911+/-0.050 χ^2/NDF: 1850597.4/20

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

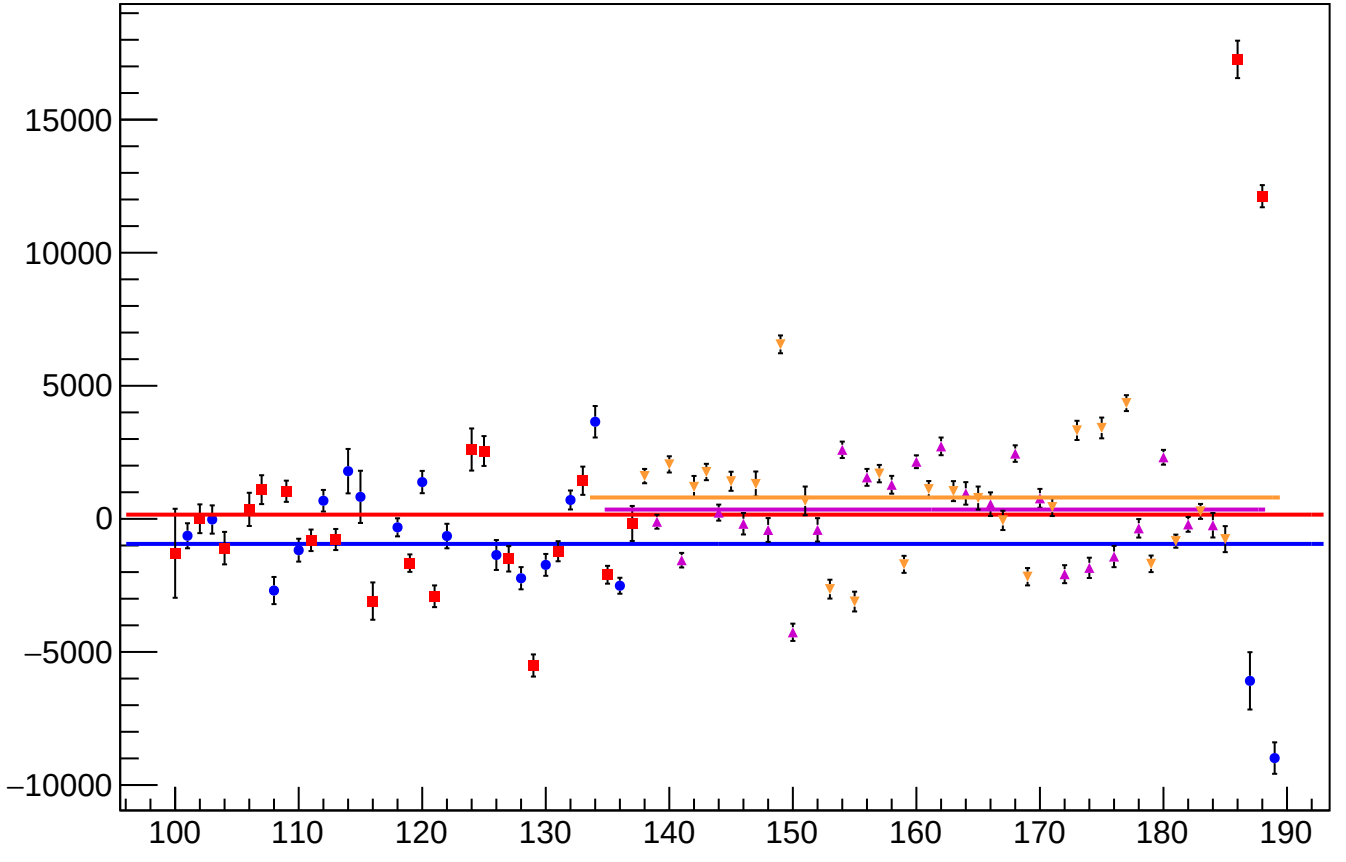
Right: 202.138+/-0.037 χ^2/NDF: 3006955.6/38

In: 205.388+/-0.029 χ^2/NDF:2295952.6/40

Out: 209.907+/-0.029 χ^2/NDF:2951848.1/45

All: 207.677+/-0.021 χ^2/NDF: 5259719.4/86

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -940.461+/-108.250 χ^2/NDF: 411.0/17

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 159.238+/-103.637 χ^2/NDF: 1840.1/20

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

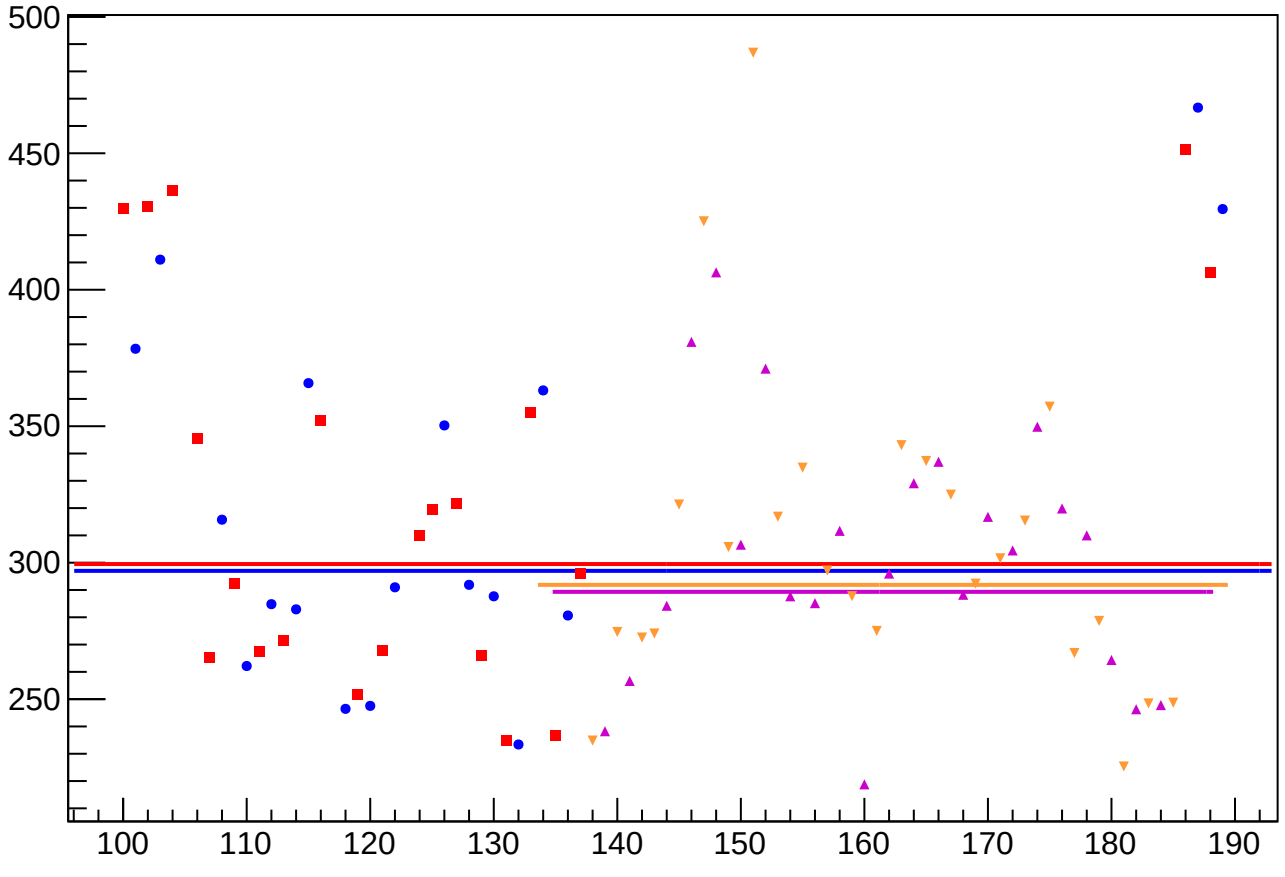
Right: -366.684+/-74.860 χ^2/NDF: 2304.9/38

In: -22.644+/-58.176 χ^2/NDF:1168.2/40

Out: 611.011+/-56.674 χ^2/NDF:2924.9/45

All: 302.465+/-40.595 χ^2/NDF: 4153.9/86

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 297.009+/-0.077 χ^2/NDF: 516849.9/17

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 299.505+/-0.073 χ^2/NDF: 733948.1/20

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

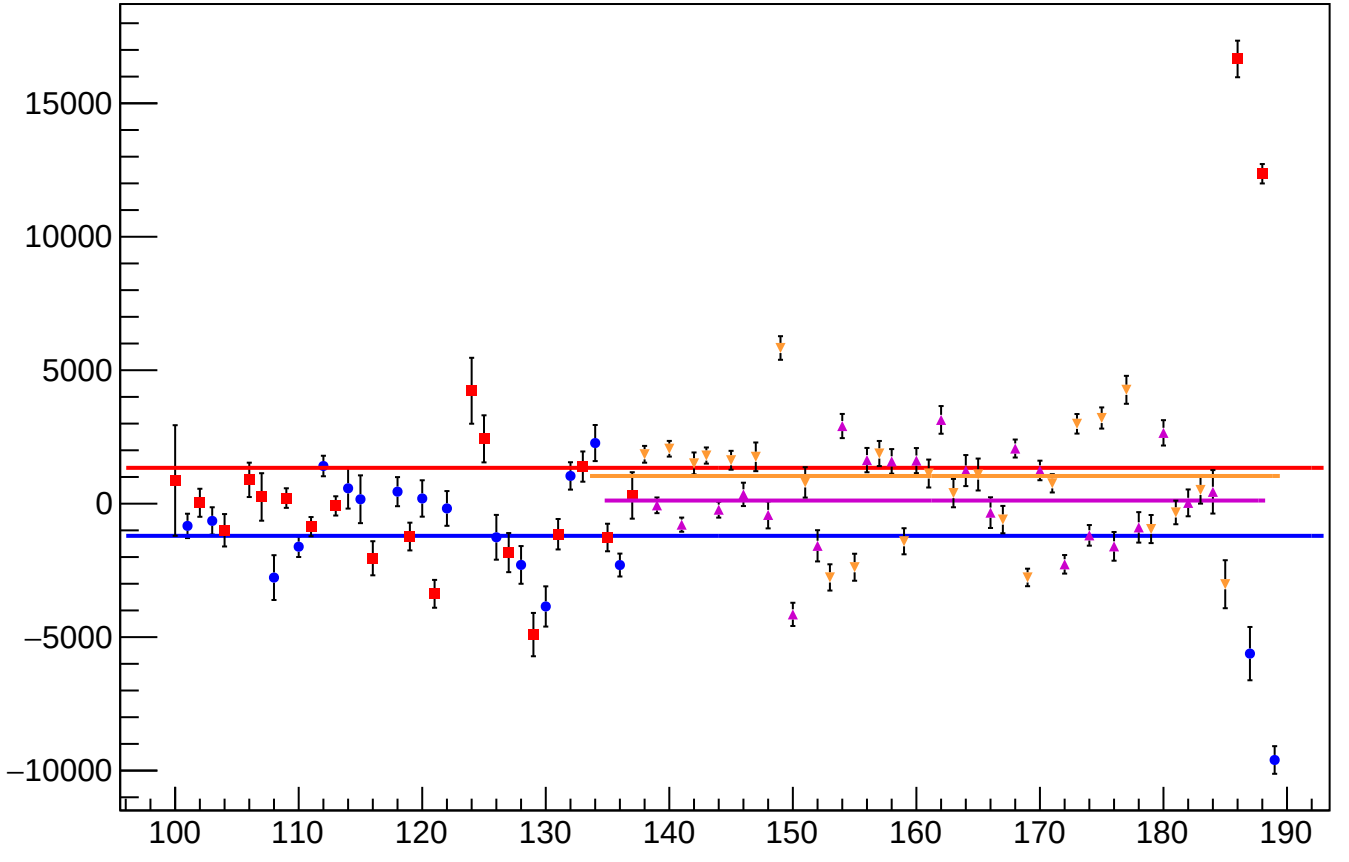
Right: 298.311+/-0.053 χ^2/NDF: 1251352.9/38

In: 291.541+/-0.041 χ^2/NDF:1332629.2/40

Out: 294.162+/-0.040 χ^2/NDF:1701451.3/45

All: 292.886+/-0.029 χ^2/NDF: 3036162.7/86

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -1205.285+/-133.974 χ^2/NDF: 426.1/17

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1342.391+/-120.186 χ^2/NDF: 1770.2/20

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

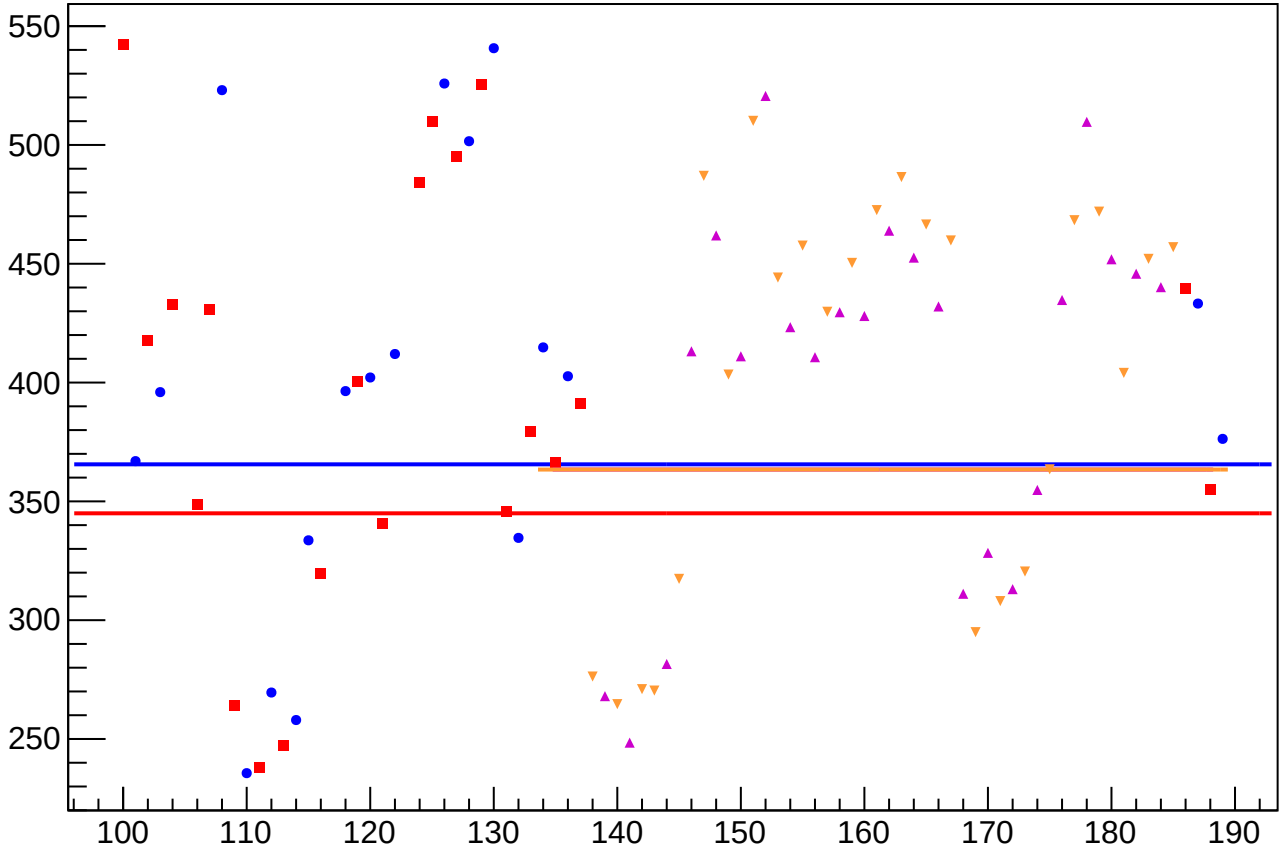
Right: 206.357+/-89.463 χ^2/NDF: 2396.6/38

In: -277.983+/-73.237 χ^2/NDF:864.8/40

Out: 1139.362+/-69.507 χ^2/NDF:2344.7/45

All: 467.699+/-50.416 χ^2/NDF: 3406.5/86

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 365.587+/-0.095 χ^2/NDF: 791388.9/17

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 344.973+/-0.085 χ^2/NDF: 898313.3/20

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

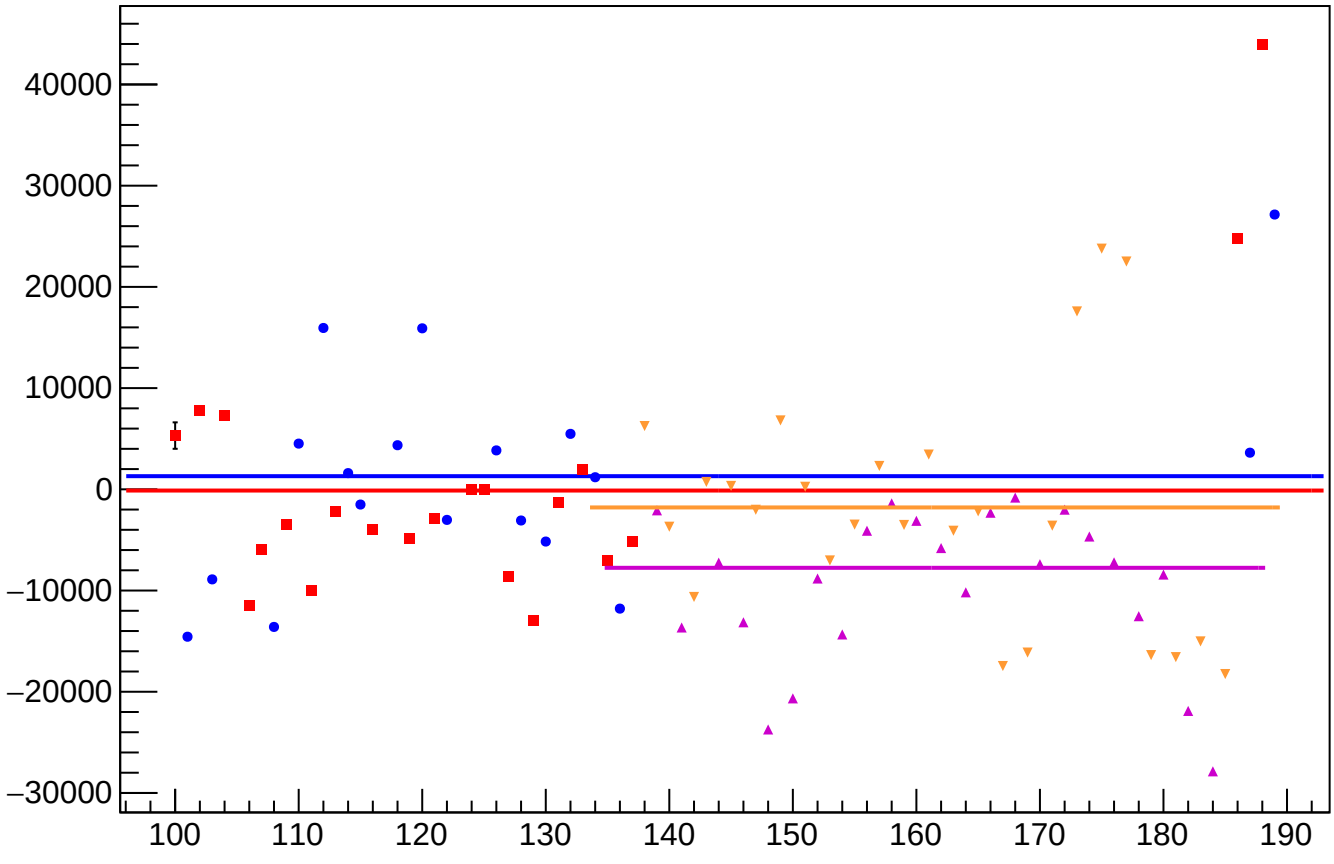
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 354.165+/-0.063 χ^2/NDF: 1715938.1/38

In: 364.044+/-0.052 χ^2/NDF:2503366.4/40

Out: 357.228+/-0.049 χ^2/NDF:2870057.2/45

All: 360.458+/-0.036 χ^2/NDF: 5382536.9/86



Right In: 1299.336+/-52.520 χ^2/NDF: 42067.2/17

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -120.233+/-49.253 χ^2/NDF: 83613.3/20

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

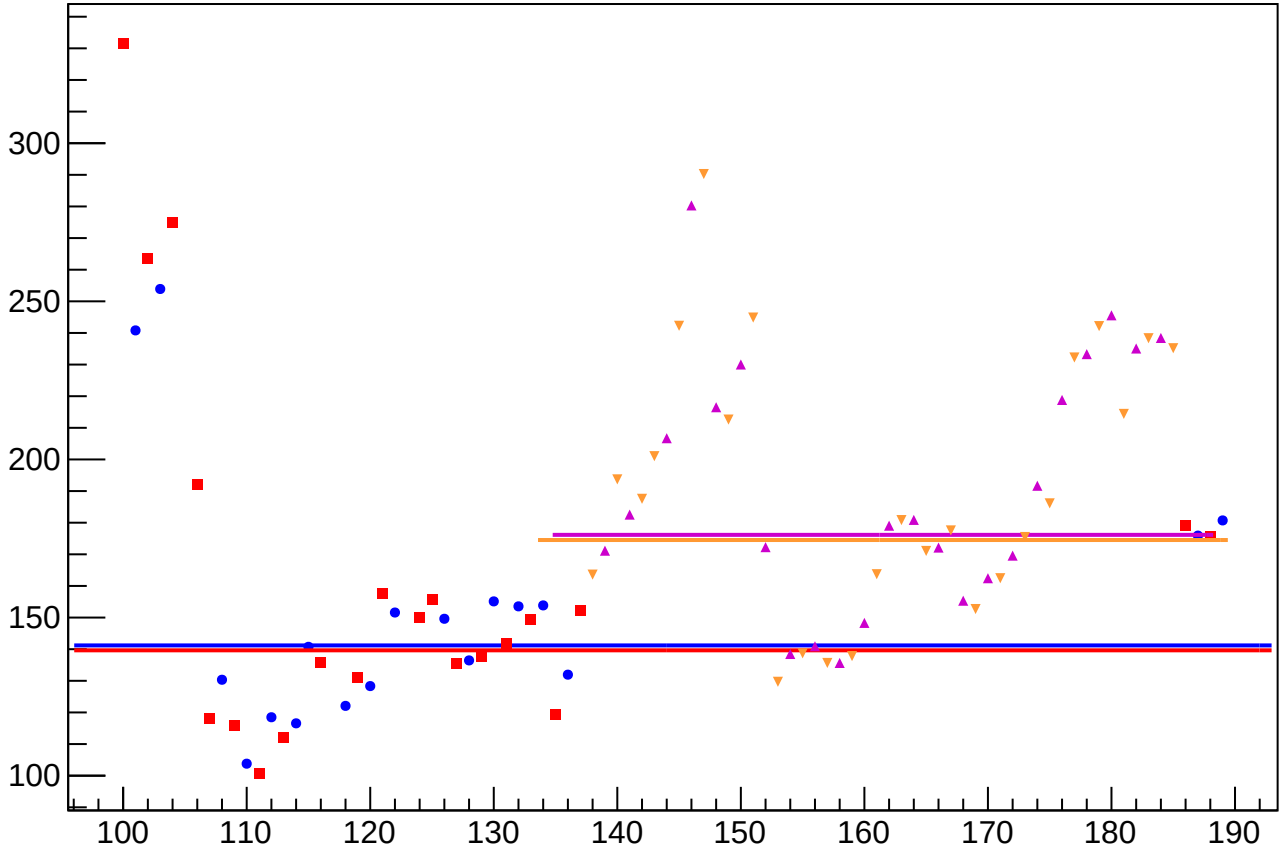
Right: 544.035+/-35.927 χ^2/NDF: 126069.2/38

In: -4164.544+/-33.071 χ^2/NDF:83279.6/40

Out: -1108.487+/-31.470 χ^2/NDF:150039.6/45

All: -2560.749+/-22.798 χ^2/NDF: 237800.5/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 141.194+/-0.037 χ^2/NDF: 726736.7/17

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 139.640+/-0.035 χ^2/NDF: 1024339.2/20

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

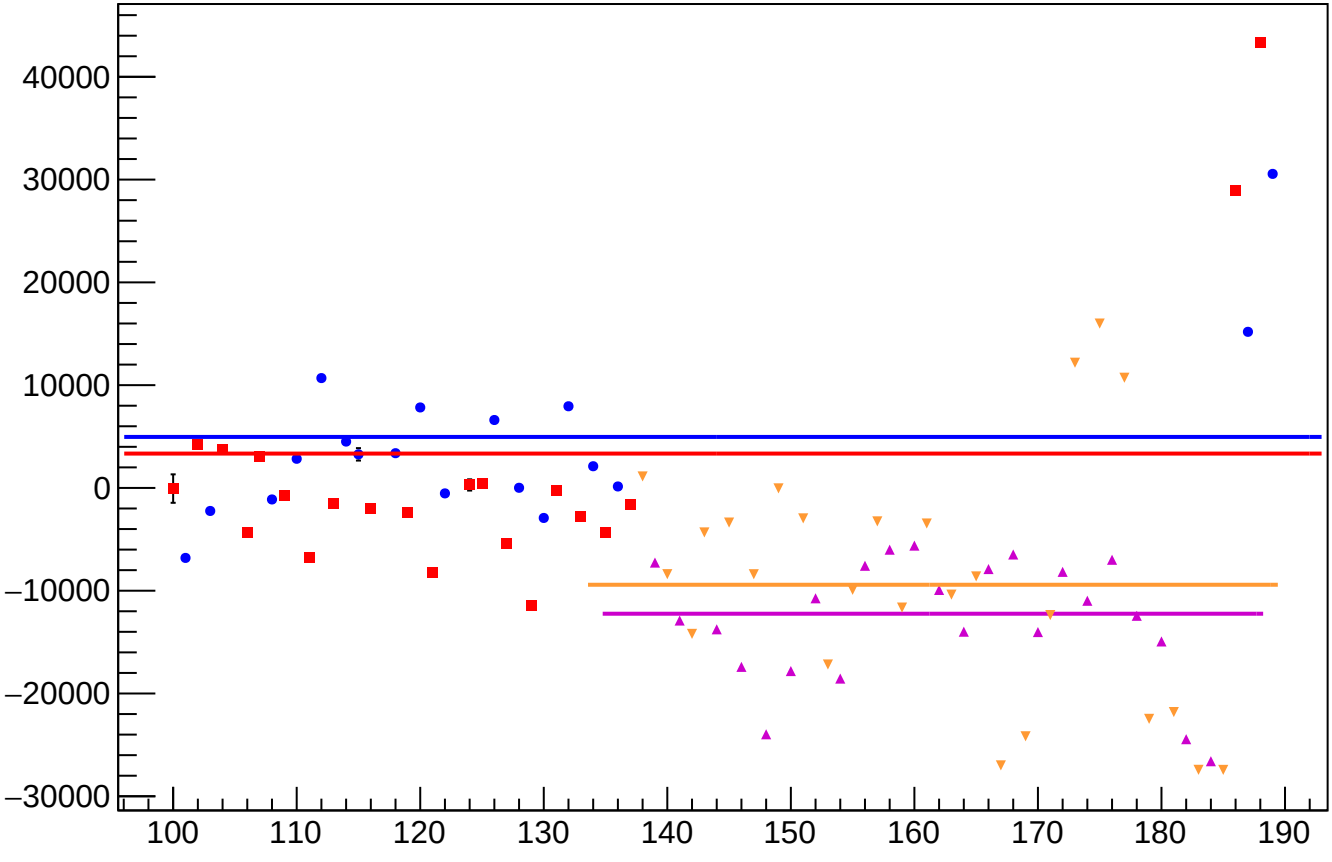
Right: 140.367+/-0.025 χ^2/NDF: 1752007.0/38

In: 162.292+/-0.023 χ^2/NDF:2628633.4/40

Out: 160.280+/-0.022 χ^2/NDF:3277366.7/45

All: 161.236+/-0.016 χ^2/NDF: 5909883.5/86

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 4962.812+/-65.992 χ^2/NDF: 16416.3/17

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 3342.430+/-60.130 χ^2/NDF: 68555.9/20

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

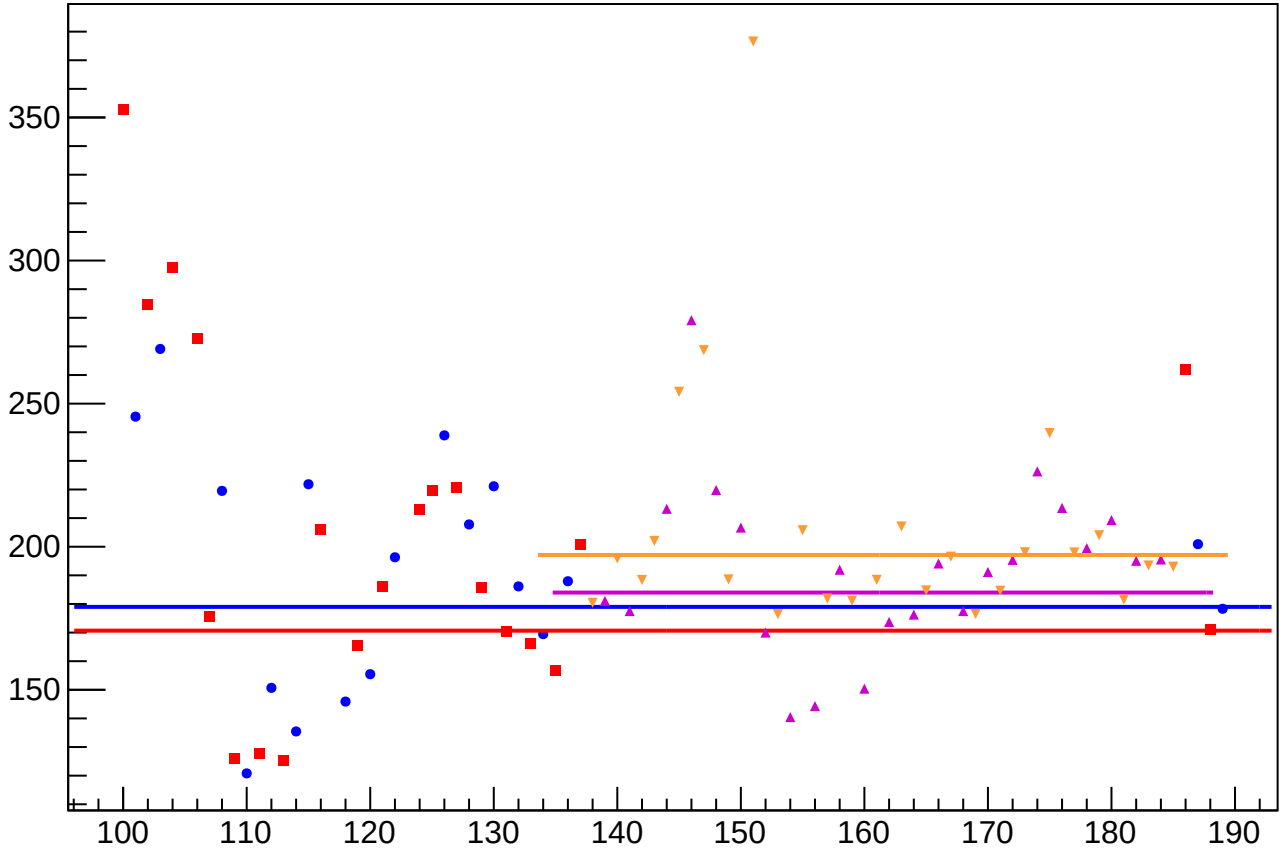
Right: 4077.470+/-44.447 χ^2/NDF: 85301.6/38

In: -6912.574+/-36.721 χ^2/NDF:79338.2/40

Out: -4747.587+/-36.383 χ^2/NDF:161831.4/45

All: -5820.079+/-25.845 χ^2/NDF: 242923.7/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.979+/-0.047 χ^2/NDF: 679142.2/17

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.667+/-0.043 χ^2/NDF: 1081576.3/20

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

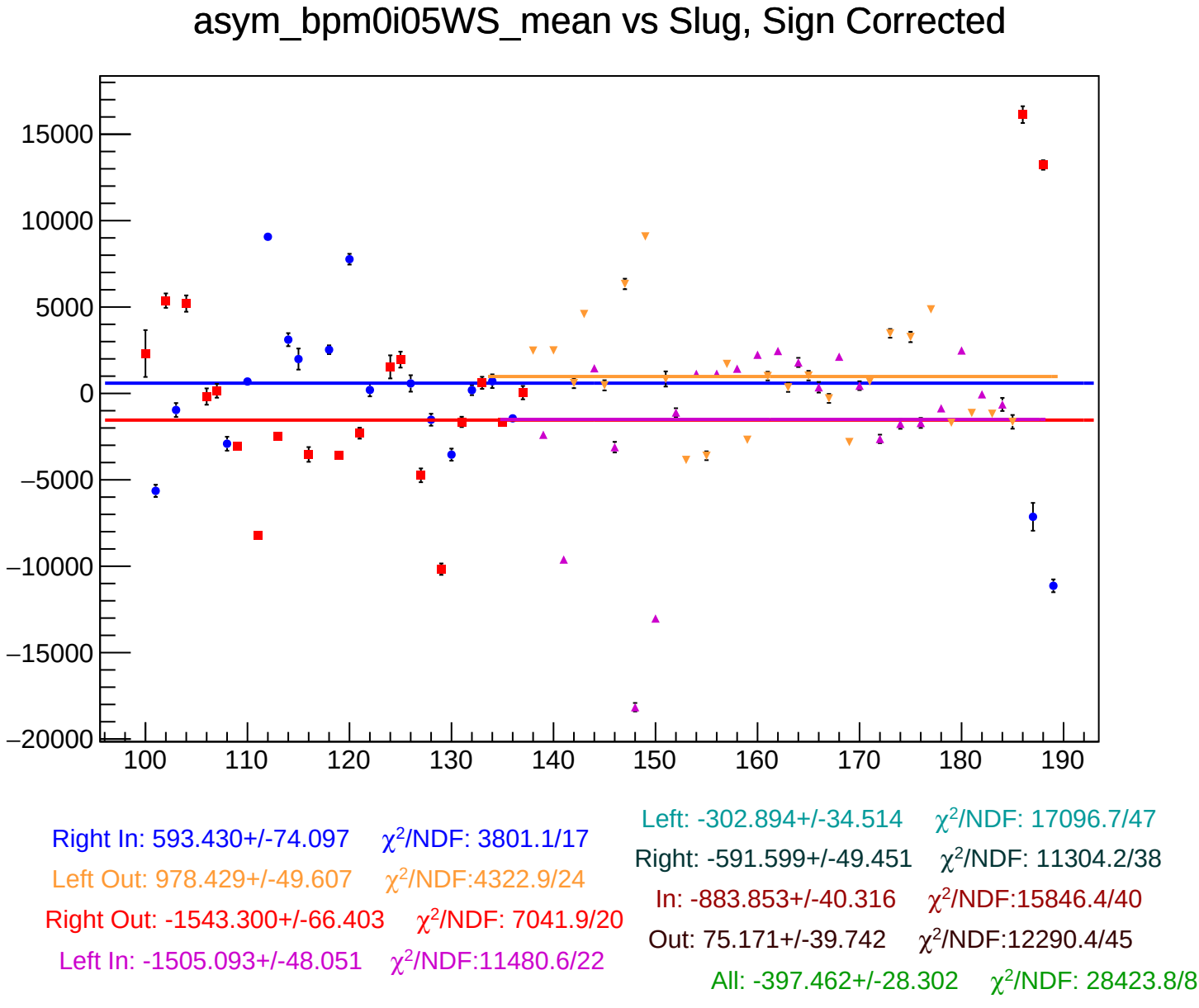
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.438+/-0.031 χ^2/NDF: 1778056.9/38

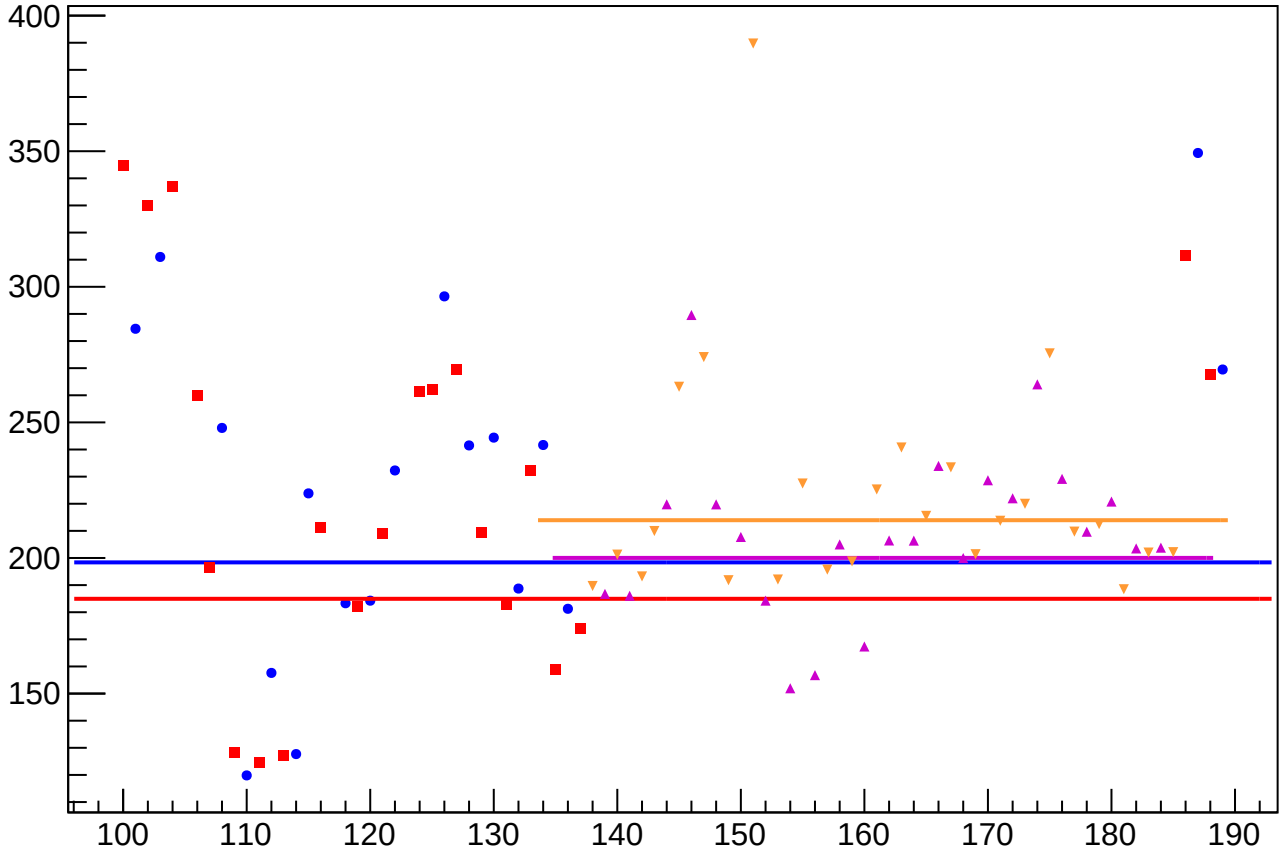
In: 182.435+/-0.026 χ^2/NDF:1516865.7/40

Out: 187.437+/-0.026 χ^2/NDF:2059514.5/45

All: 184.959+/-0.018 χ^2/NDF: 3595100.2/86


asym_bpm0i05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 593.430+/-74.097 χ²/NDF: 3801.1/17
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -1543.300+/-66.403 χ²/NDF: 7041.9/20
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -591.599+/-49.451 χ²/NDF: 11304.2/38
In: -883.853+/-40.316 χ²/NDF:15846.4/40
Out: 75.171+/-39.742 χ²/NDF:12290.4/45
All: -397.462+/-28.302 χ²/NDF: 28423.8/86

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 198.378+/-0.052 χ^2/NDF: 1116126.6/17

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 184.947+/-0.047 χ^2/NDF: 1702628.2/20

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

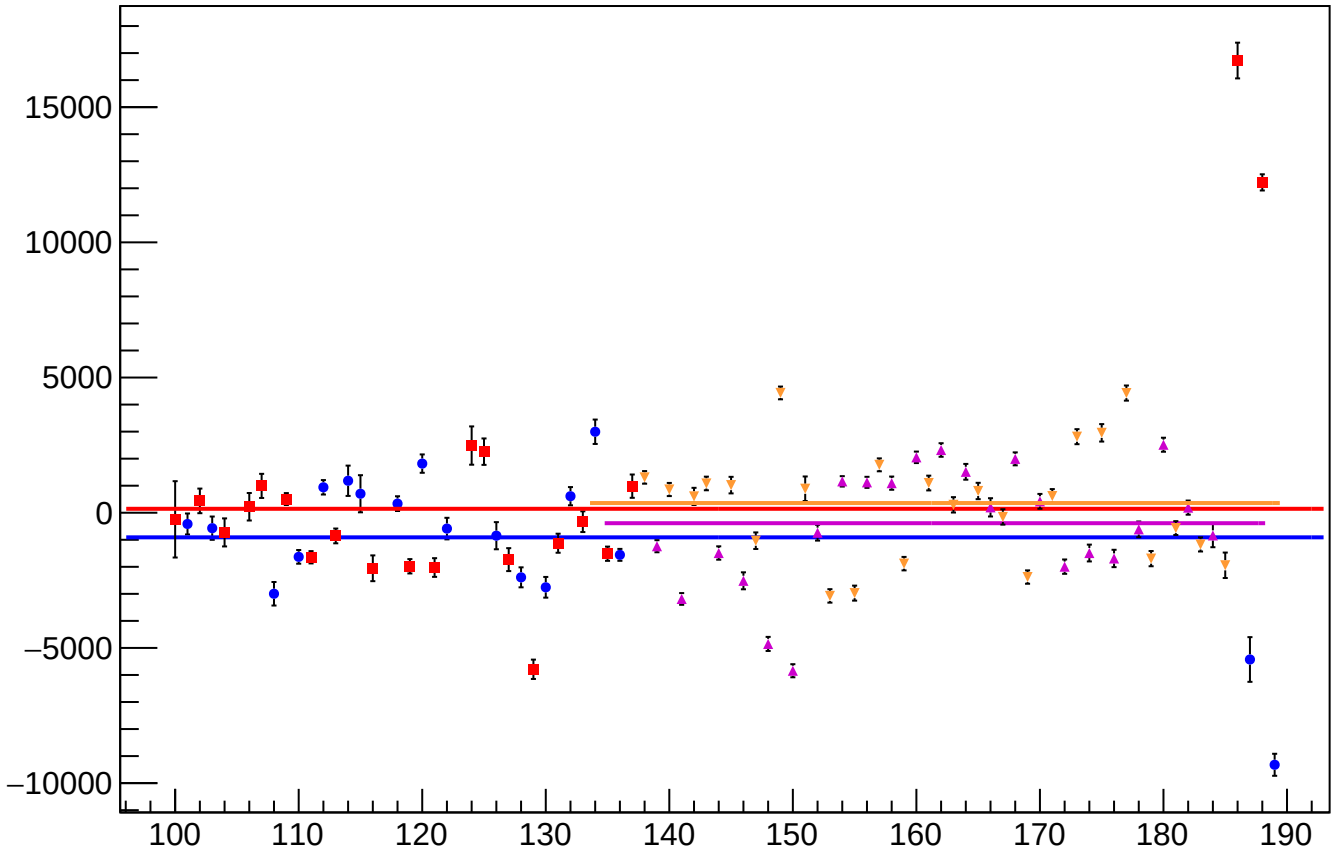
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 190.930+/-0.035 χ^2/NDF: 2855199.0/38

In: 199.541+/-0.029 χ^2/NDF:1902351.9/40

Out: 203.549+/-0.028 χ^2/NDF:2680818.8/45

All: 201.574+/-0.020 χ^2/NDF: 4593195.5/86



Right In: -910.092+/-84.343 χ^2/NDF: 786.6/17

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 145.786+/-77.602 χ^2/NDF: 2846.7/20

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

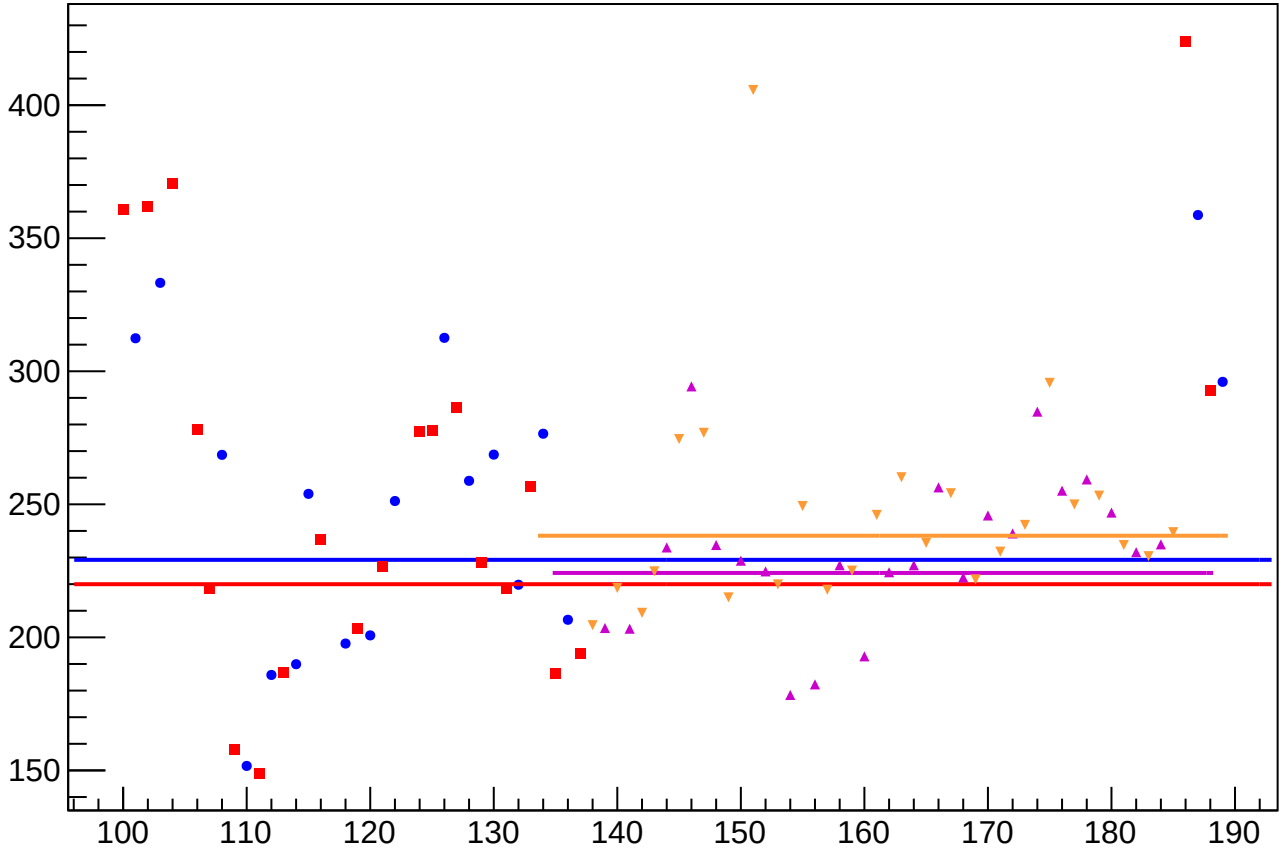
Right: -338.277+/-57.108 χ^2/NDF: 3718.2/38

In: -537.154+/-45.195 χ^2/NDF:2618.2/40

Out: 287.511+/-44.868 χ^2/NDF:4270.6/45

All: -121.829+/-31.841 χ^2/NDF: 7056.5/86

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 229.138+/-0.060 χ^2/NDF: 761567.8/17

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 219.982+/-0.055 χ^2/NDF: 1263315.3/20

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

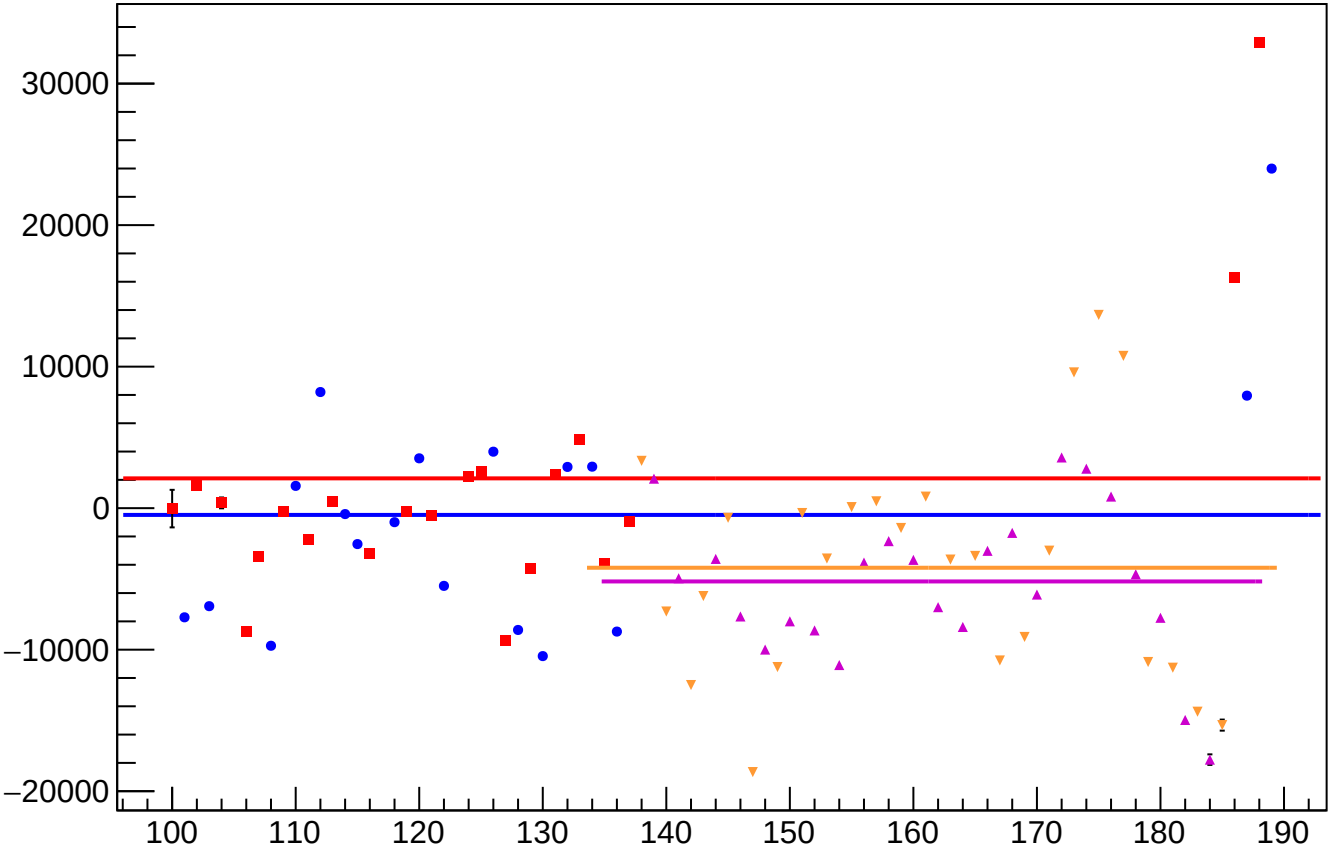
Right: 224.179+/-0.040 χ^2/NDF: 2037648.4/38

In: 225.626+/-0.032 χ^2/NDF:1329662.4/40

Out: 232.109+/-0.032 χ^2/NDF:1904626.5/45

All: 228.891+/-0.023 χ^2/NDF: 3255013.4/86

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -477.369+/-45.003 χ^2/NDF: 34145.7/17

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 2105.336+/-41.971 χ^2/NDF: 62550.1/20

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

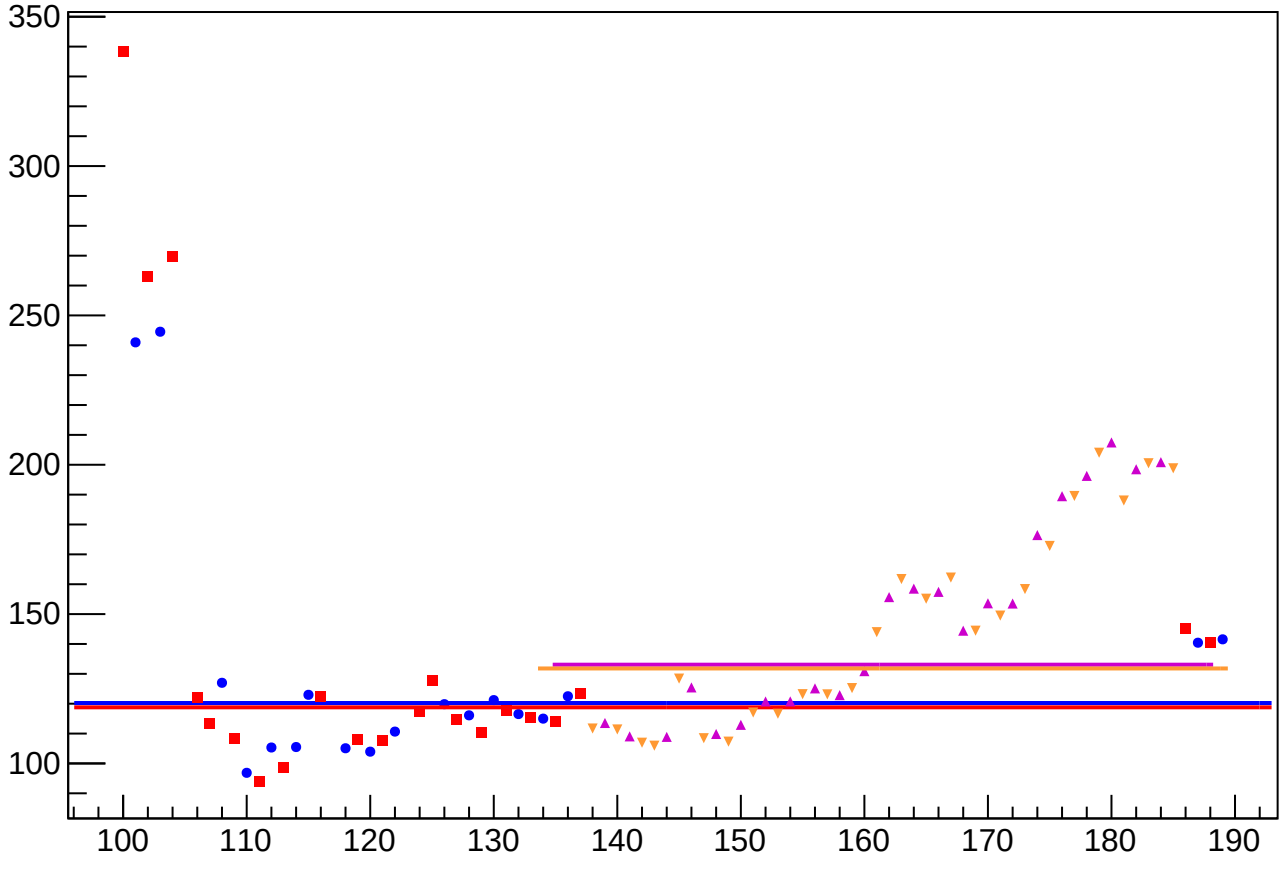
Right: 903.920+/-30.694 χ^2/NDF: 98457.2/38

In: -3601.619+/-26.063 χ^2/NDF:59938.5/40

Out: -1997.236+/-24.846 χ^2/NDF:134062.1/45

All: -2761.111+/-17.984 χ^2/NDF: 195985.8/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 120.232+/-0.032 χ^2/NDF: 768129.0/17

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 118.787+/-0.030 χ^2/NDF: 946626.5/20

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

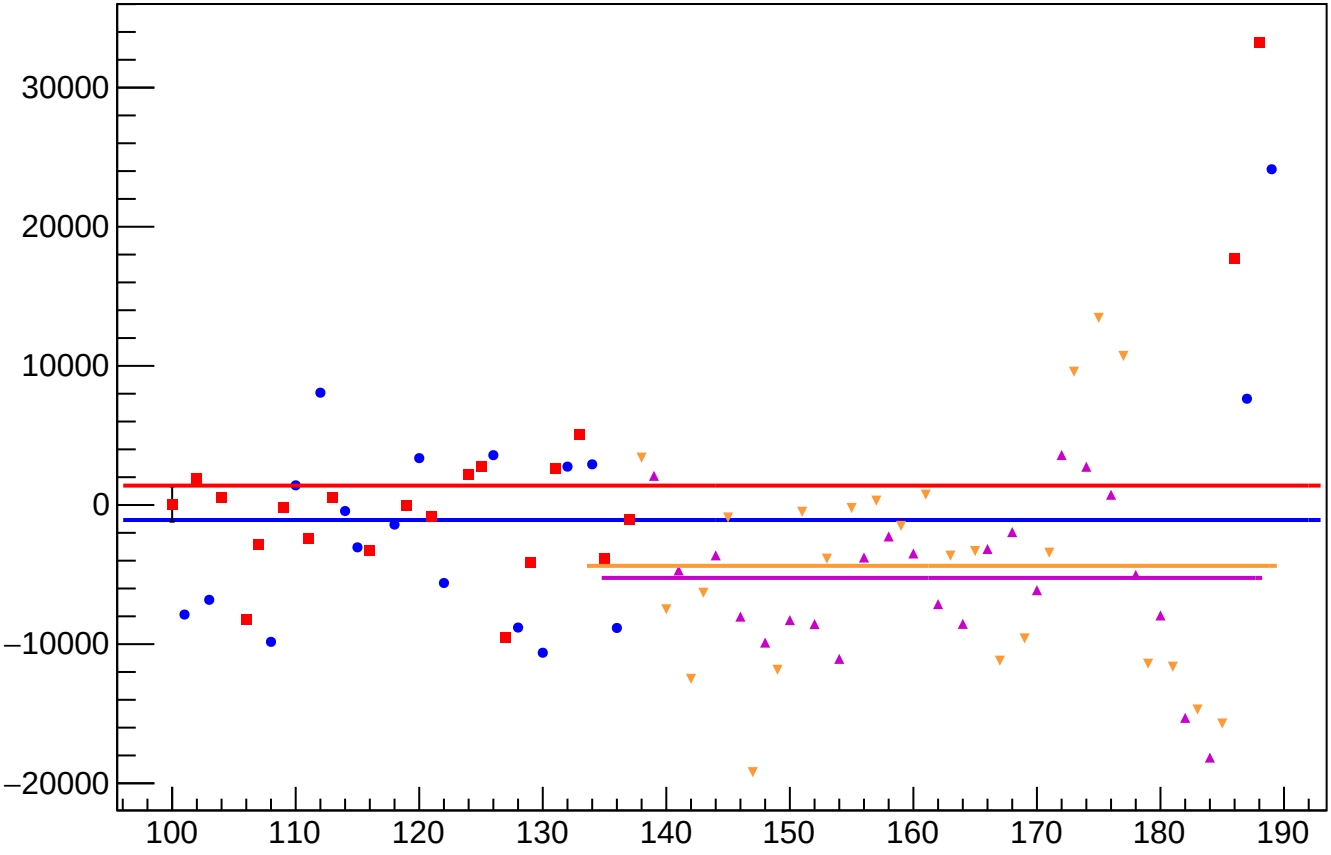
Right: 119.459+/-0.022 χ^2/NDF: 1715858.0/38

In: 128.758+/-0.018 χ^2/NDF:2294409.9/40

Out: 127.238+/-0.018 χ^2/NDF:2615806.2/45

All: 127.962+/-0.013 χ^2/NDF: 4913781.6/86

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -1077.282+/-38.621 χ^2/NDF: 39724.2/17

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 1395.480+/-36.202 χ^2/NDF: 71098.2/20

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

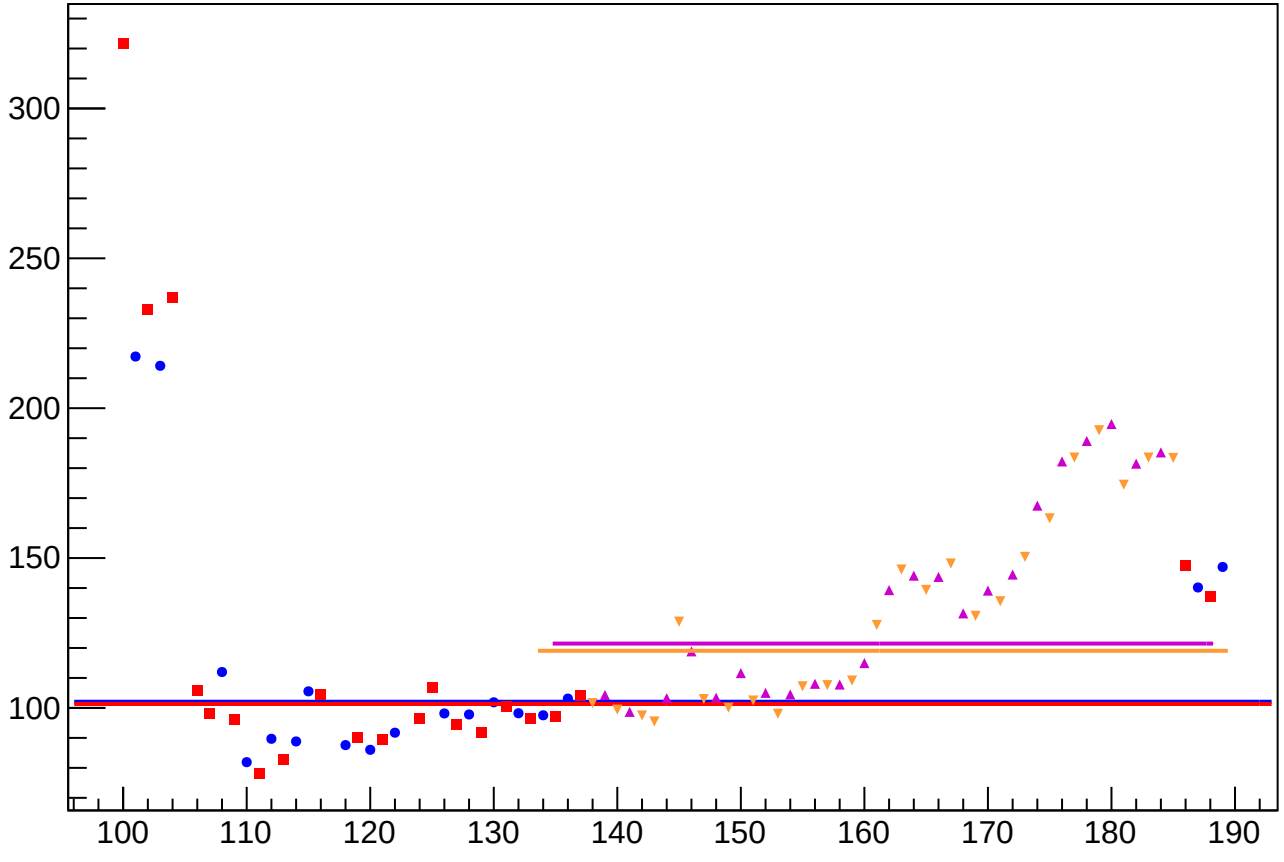
Right: 238.983+/-26.412 χ^2/NDF: 113004.5/38

In: -3722.408+/-23.318 χ^2/NDF:69378.9/40

Out: -2217.989+/-22.126 χ^2/NDF:154221.0/45

All: -2930.759+/-16.050 χ^2/NDF: 225790.2/8

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 102.056+/-0.027 χ^2/NDF: 941472.3/17

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 101.312+/-0.026 χ^2/NDF: 1158315.1/20

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

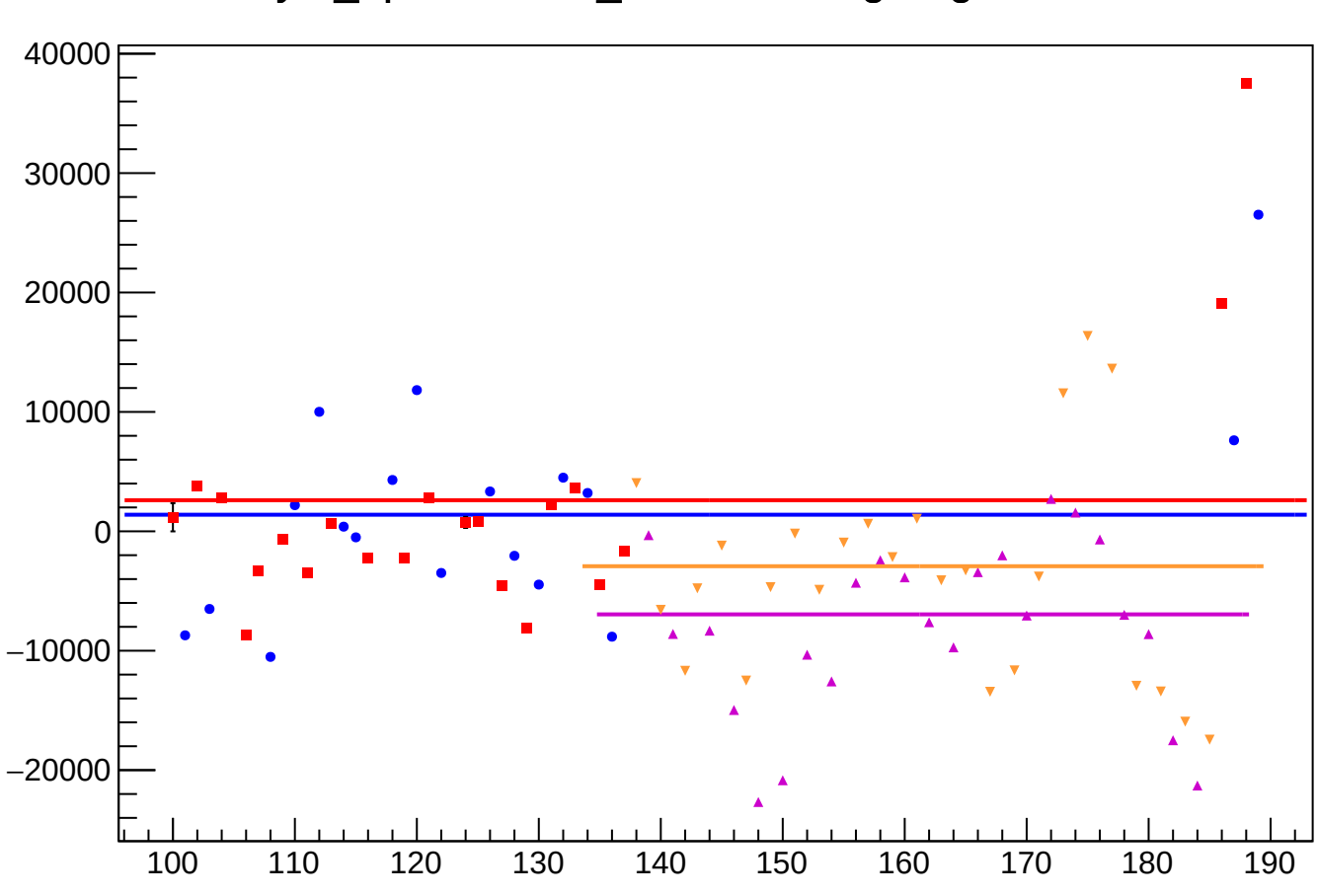
Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

Right: 101.660+/-0.019 χ^2/NDF: 2100183.1/38

In: 114.392+/-0.016 χ^2/NDF:2791912.1/40

Out: 112.433+/-0.016 χ^2/NDF:3215024.9/45

All: 113.361+/-0.011 χ^2/NDF: 6014365.0/86



Right In: 1389.486+/-51.644 χ^2/NDF: 29203.6/17

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 2606.231+/-48.728 χ^2/NDF: 58516.6/20

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

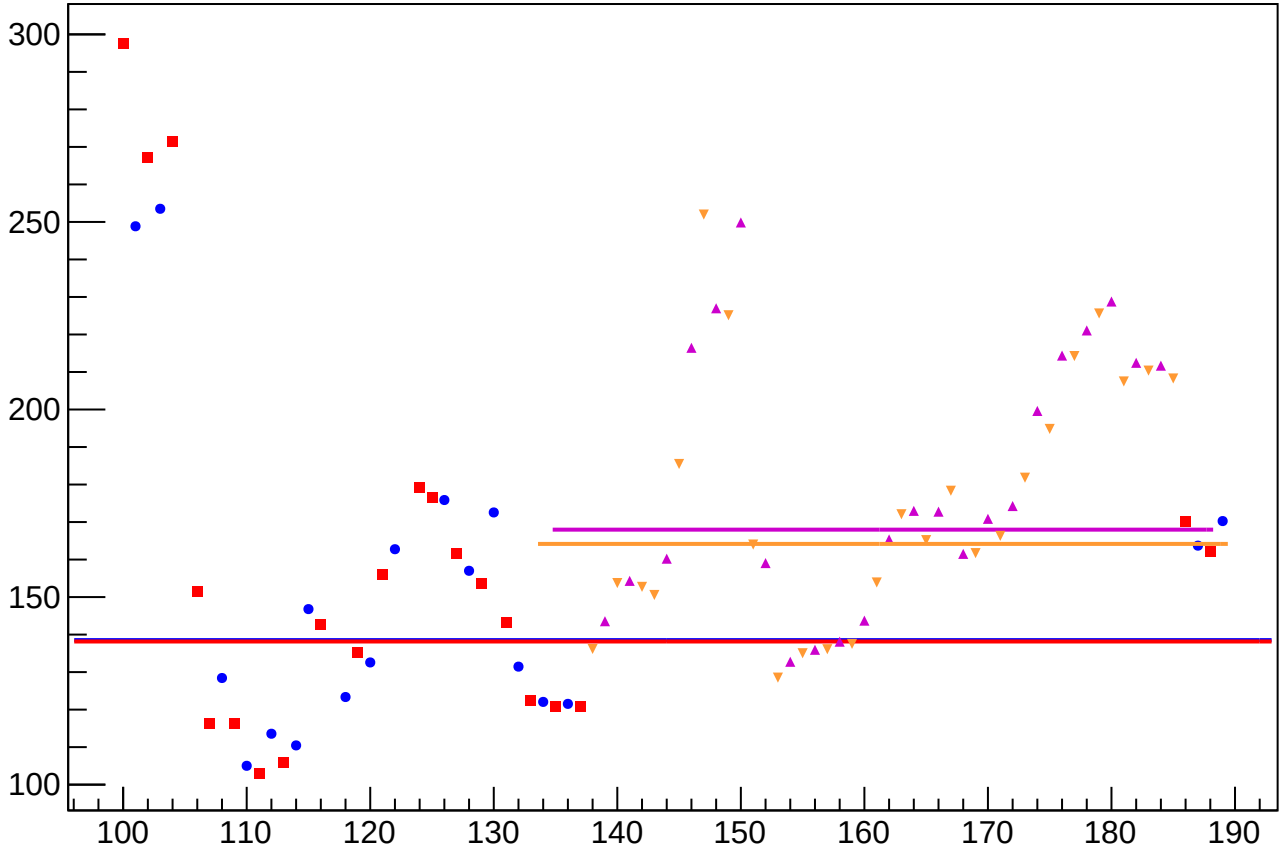
Right: 2033.175+/-35.442 χ^2/NDF: 88013.8/38

In: -3803.372+/-31.744 χ^2/NDF:67793.1/40

Out: -819.428+/-30.056 χ^2/NDF:104546.3/45

All: -2229.933+/-21.825 χ^2/NDF: 176998.6/8

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 138.530+/-0.037 χ^2/NDF: 845413.8/17

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 138.160+/-0.034 χ^2/NDF: 999247.0/20

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

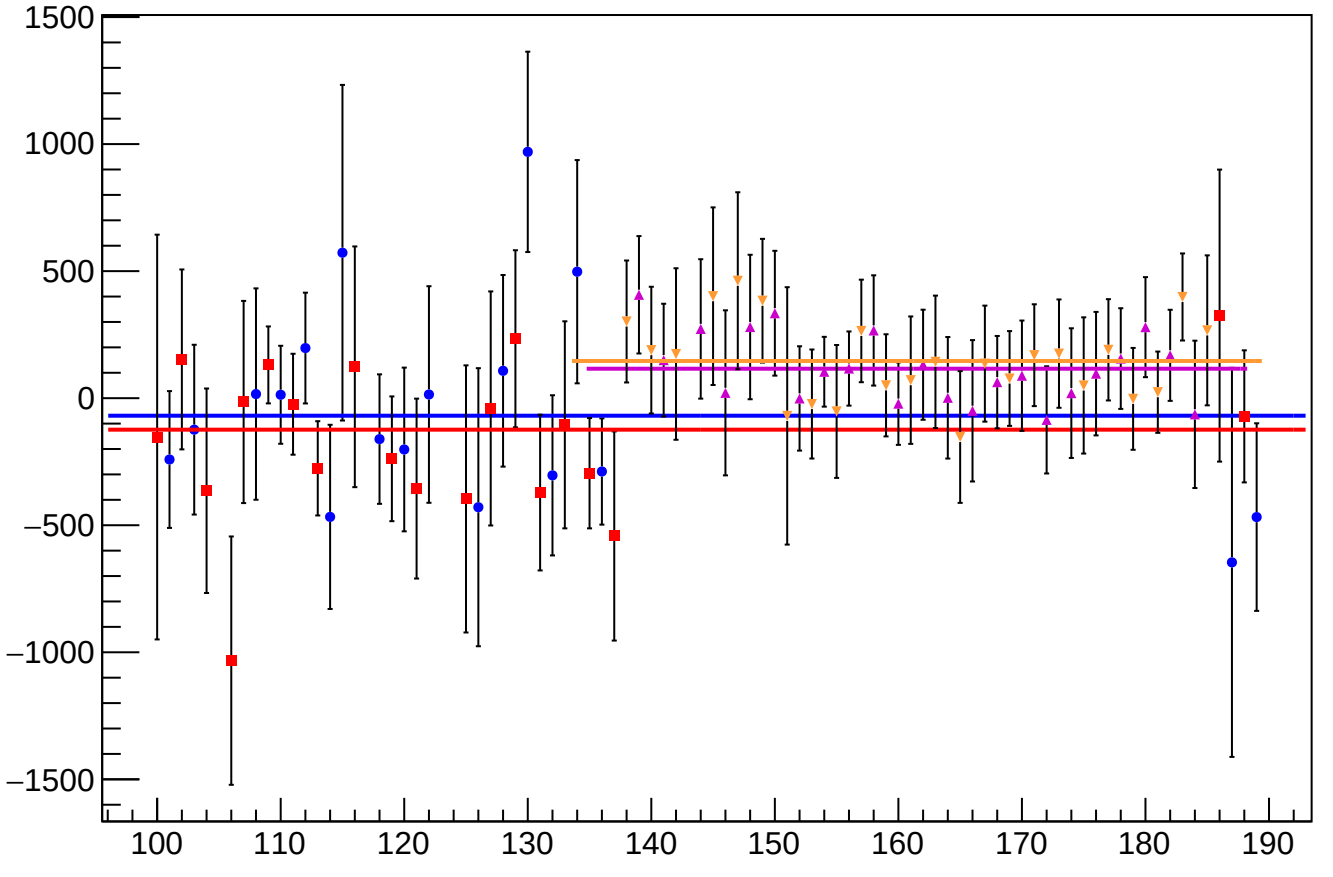
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 138.334+/-0.025 χ^2/NDF: 1844715.0/38

In: 156.850+/-0.022 χ^2/NDF:2472676.0/40

Out: 154.276+/-0.021 χ^2/NDF:2576754.3/45

All: 155.493+/-0.015 χ^2/NDF: 5056363.3/86



Right In: -68.968+/-74.351 χ^2/NDF: 17.3/17

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -123.920+/-65.726 χ^2/NDF: 13.5/19

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

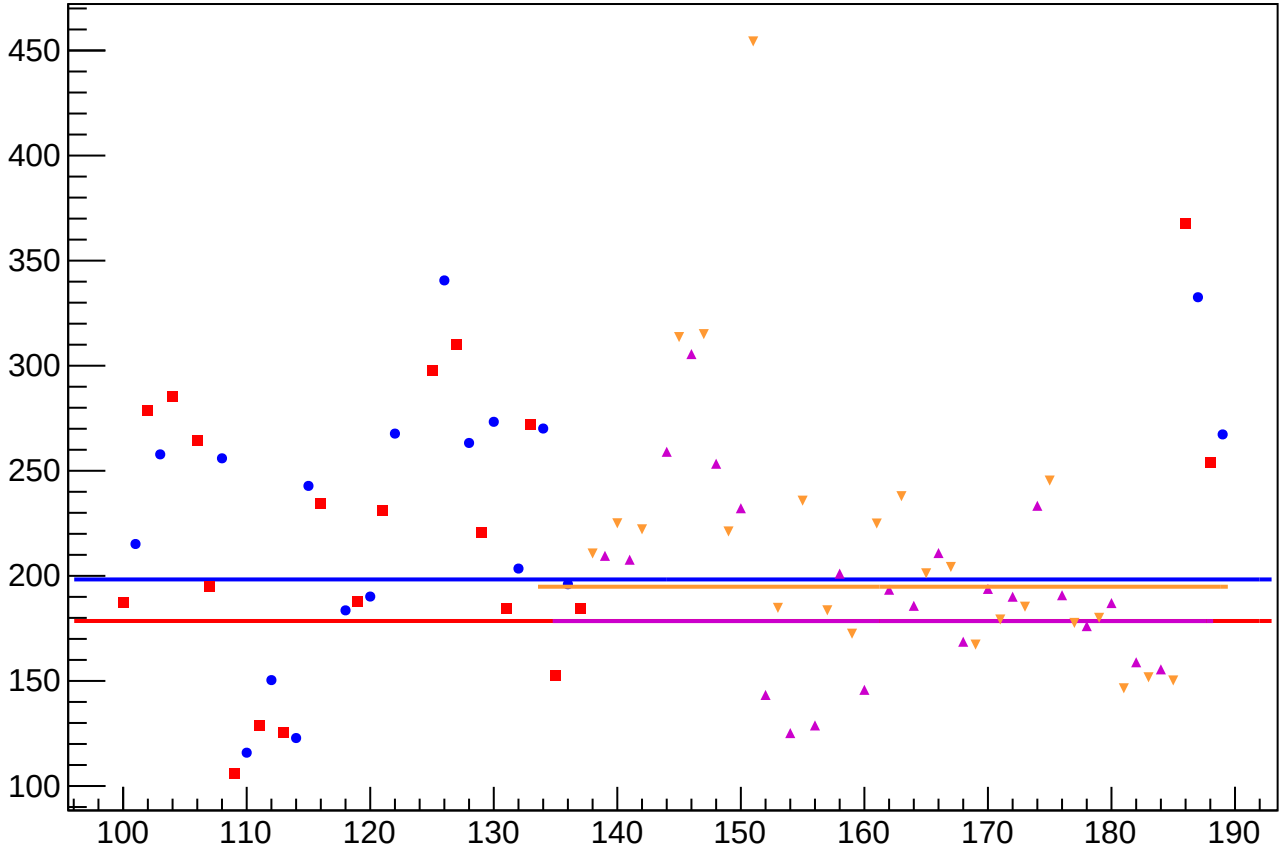
Right: -99.815+/-49.244 χ^2/NDF: 31.1/37

In: 68.643+/-37.613 χ^2/NDF:29.5/40

Out: 55.091+/-38.193 χ^2/NDF:34.7/43

All: 61.970+/-26.799 χ^2/NDF: 64.2/84

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 198.297+/-0.053 χ^2/NDF: 1181319.8/17

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 178.526+/-0.046 χ^2/NDF: 2004900.4/19

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

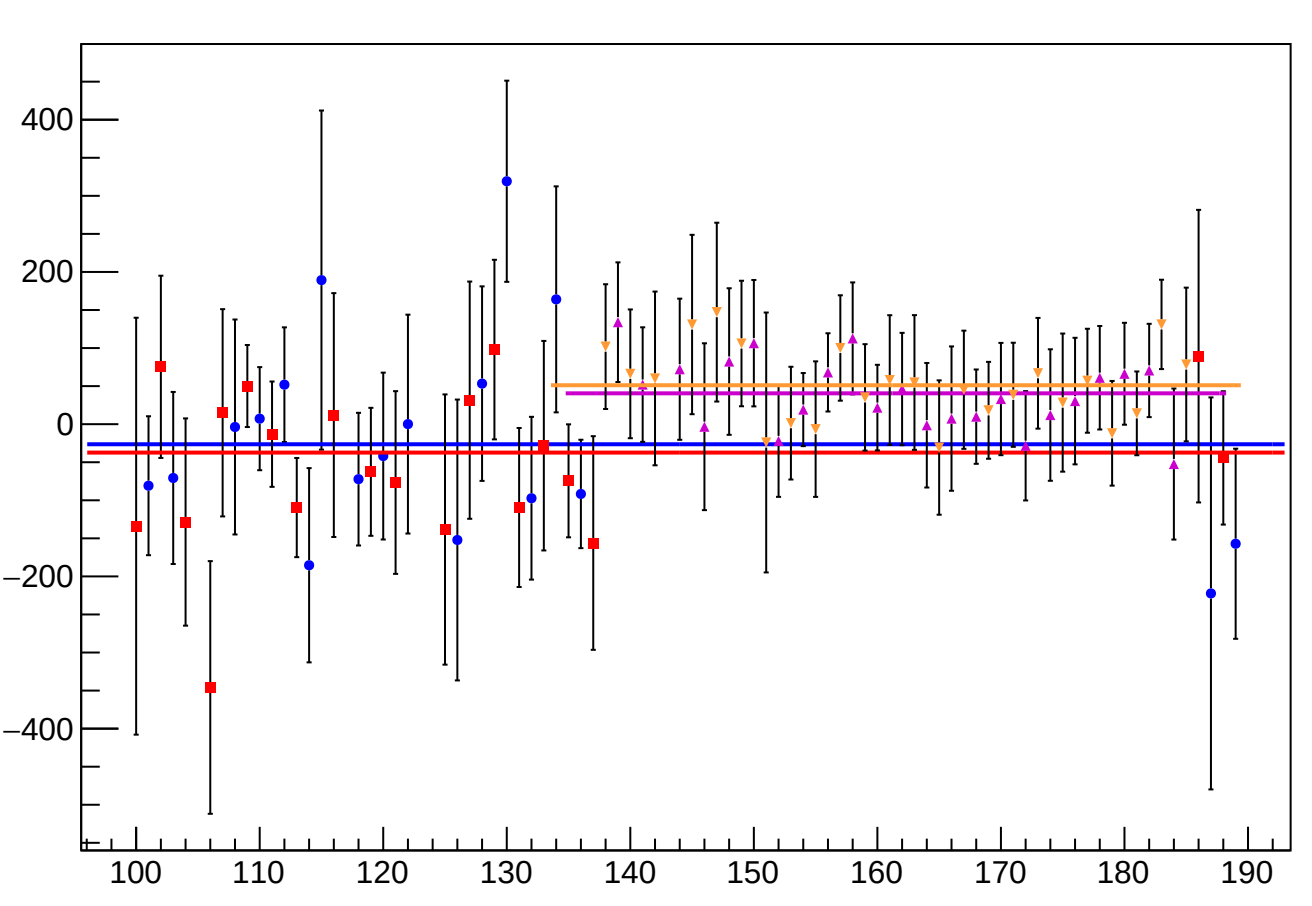
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 187.199+/-0.035 χ^2/NDF: 3265612.0/37

In: 183.548+/-0.027 χ^2/NDF:2963357.7/40

Out: 189.323+/-0.027 χ^2/NDF:3838876.5/43

All: 186.392+/-0.019 χ^2/NDF: 6825449.1/84



Right In: -26.381+/-25.444 χ^2/NDF: 17.0/17

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -37.308+/-22.675 χ^2/NDF: 13.1/19

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

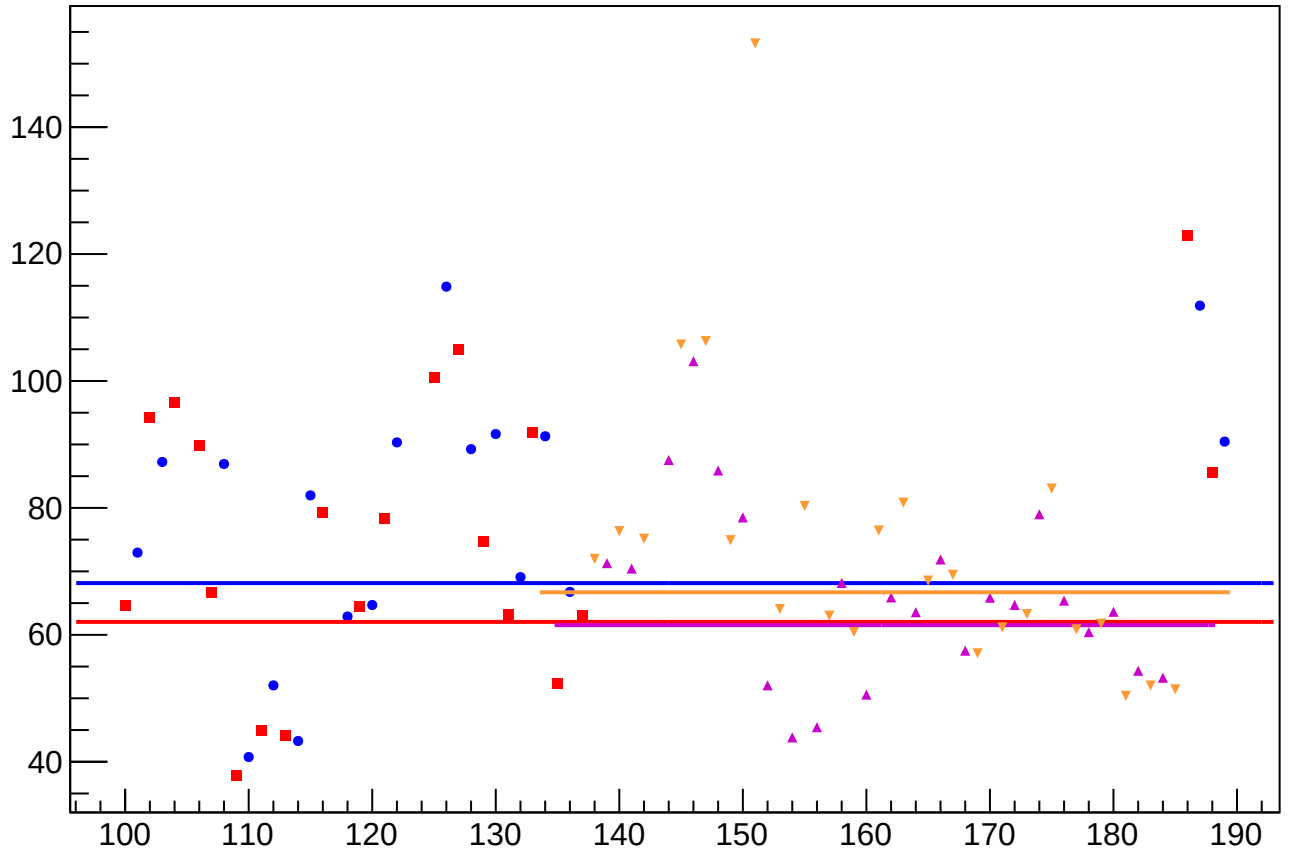
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -32.471+/-16.928 χ^2/NDF: 30.1/37

In: 23.318+/-12.907 χ^2/NDF:30.0/40

Out: 21.663+/-13.093 χ^2/NDF:31.3/43

All: 22.502+/-9.192 χ^2/NDF: 61.3/84



Right In: 68.150+/-0.018 χ^2/NDF: 1074425.7/17

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 62.039+/-0.016 χ^2/NDF: 1815318.0/19

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

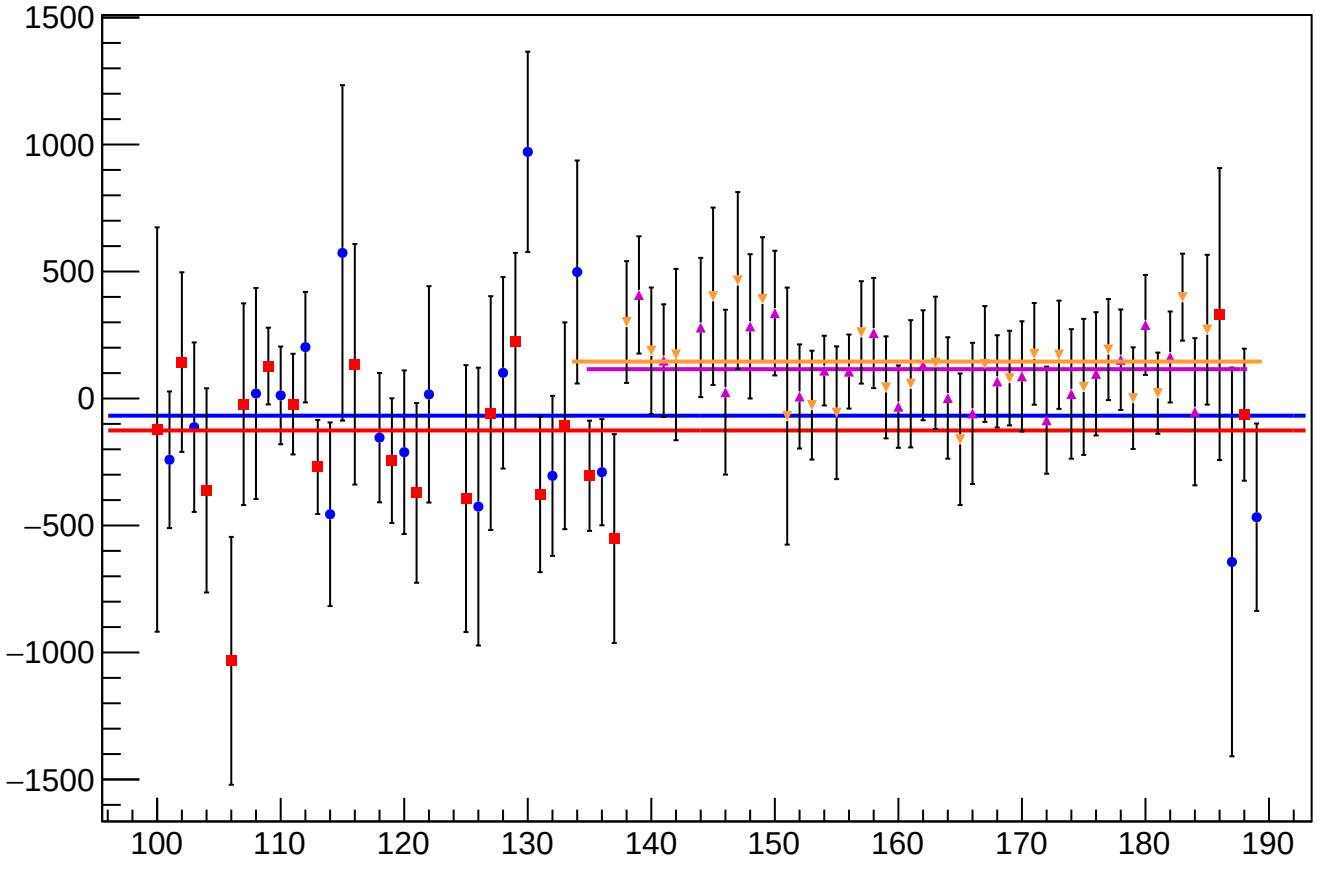
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 64.744+/-0.012 χ^2/NDF: 2954054.5/37

In: 63.233+/-0.009 χ^2/NDF:2664857.1/40

Out: 65.148+/-0.009 χ^2/NDF:3548061.4/43

All: 64.177+/-0.006 χ^2/NDF: 6234616.1/84



Right In: -67.684+/-74.270 χ^2/NDF: 17.3/17

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -125.819+/-65.645 χ^2/NDF: 13.6/19

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

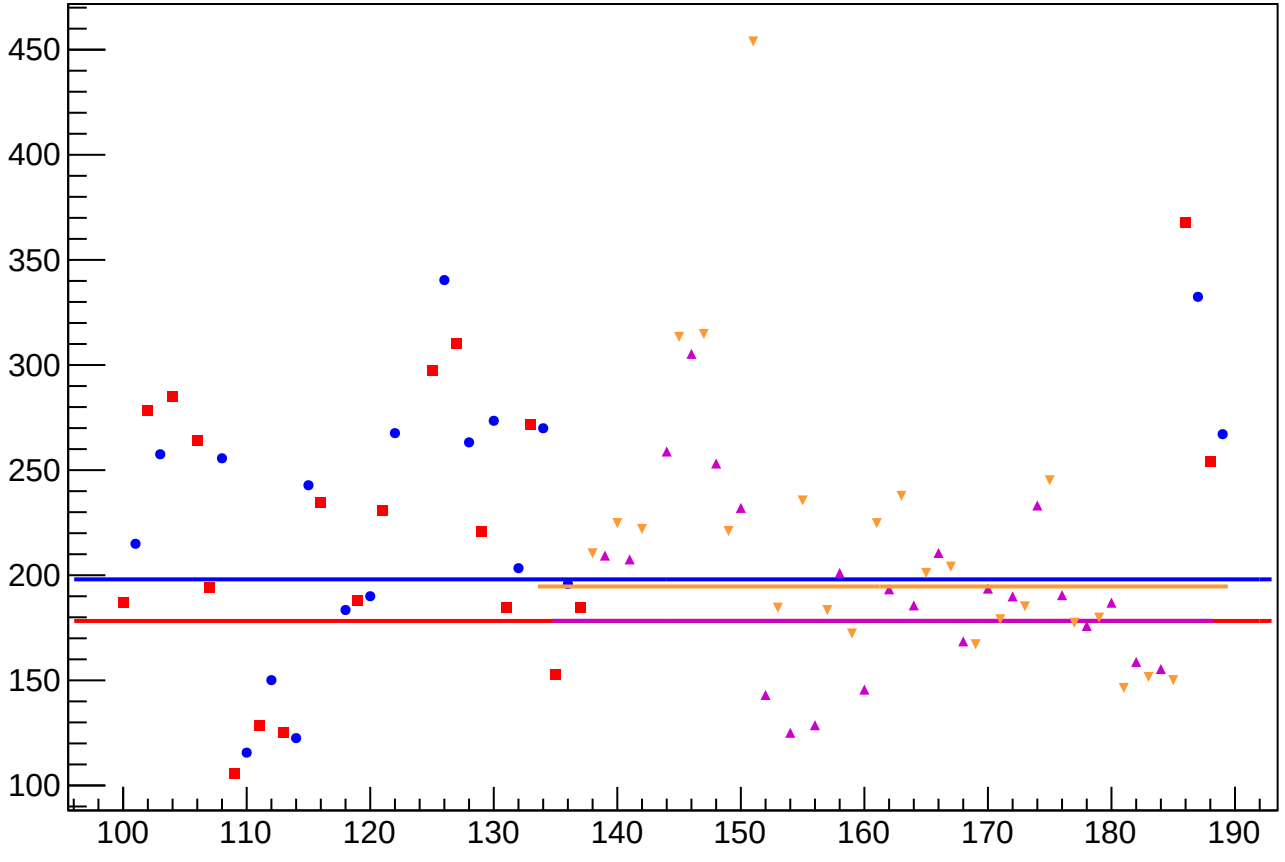
Right: -100.322+/-49.186 χ^2/NDF: 31.2/37

In: 68.592+/-37.579 χ^2/NDF:29.6/40

Out: 53.824+/-38.155 χ^2/NDF:35.1/43

All: 61.320+/-26.774 χ^2/NDF: 64.8/84

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 198.047+/-0.053 χ^2/NDF: 1186199.6/17

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 178.261+/-0.046 χ^2/NDF: 2012290.0/19

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

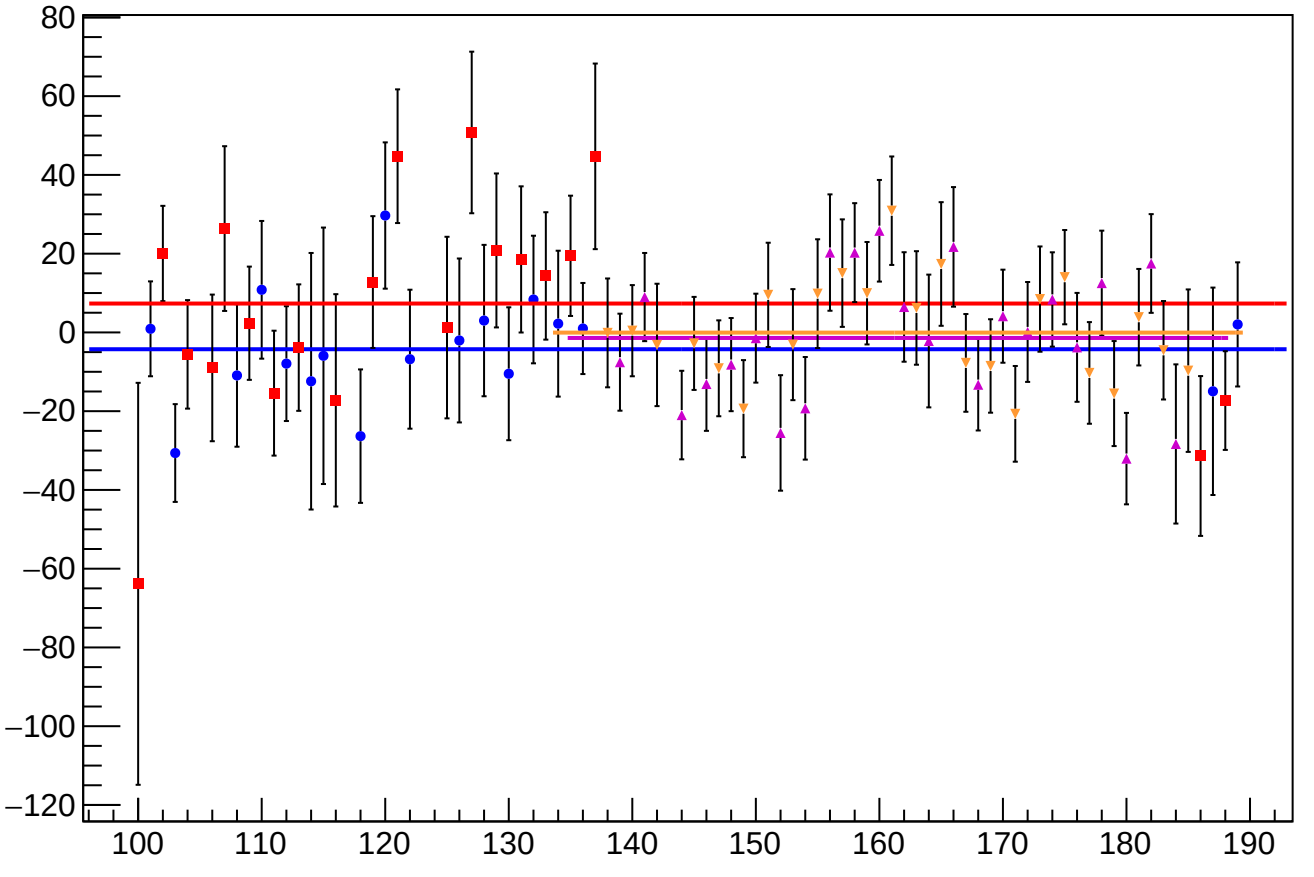
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 186.939+/-0.035 χ^2/NDF: 3278178.3/37

In: 183.369+/-0.027 χ^2/NDF:2969539.3/40

Out: 189.119+/-0.027 χ^2/NDF:3848042.6/43

All: 186.201+/-0.019 χ^2/NDF: 6840641.9/84



Right In: -4.270+/-3.951 χ^2/NDF: 12.3/17

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 7.334+/-3.856 χ^2/NDF: 30.2/19

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

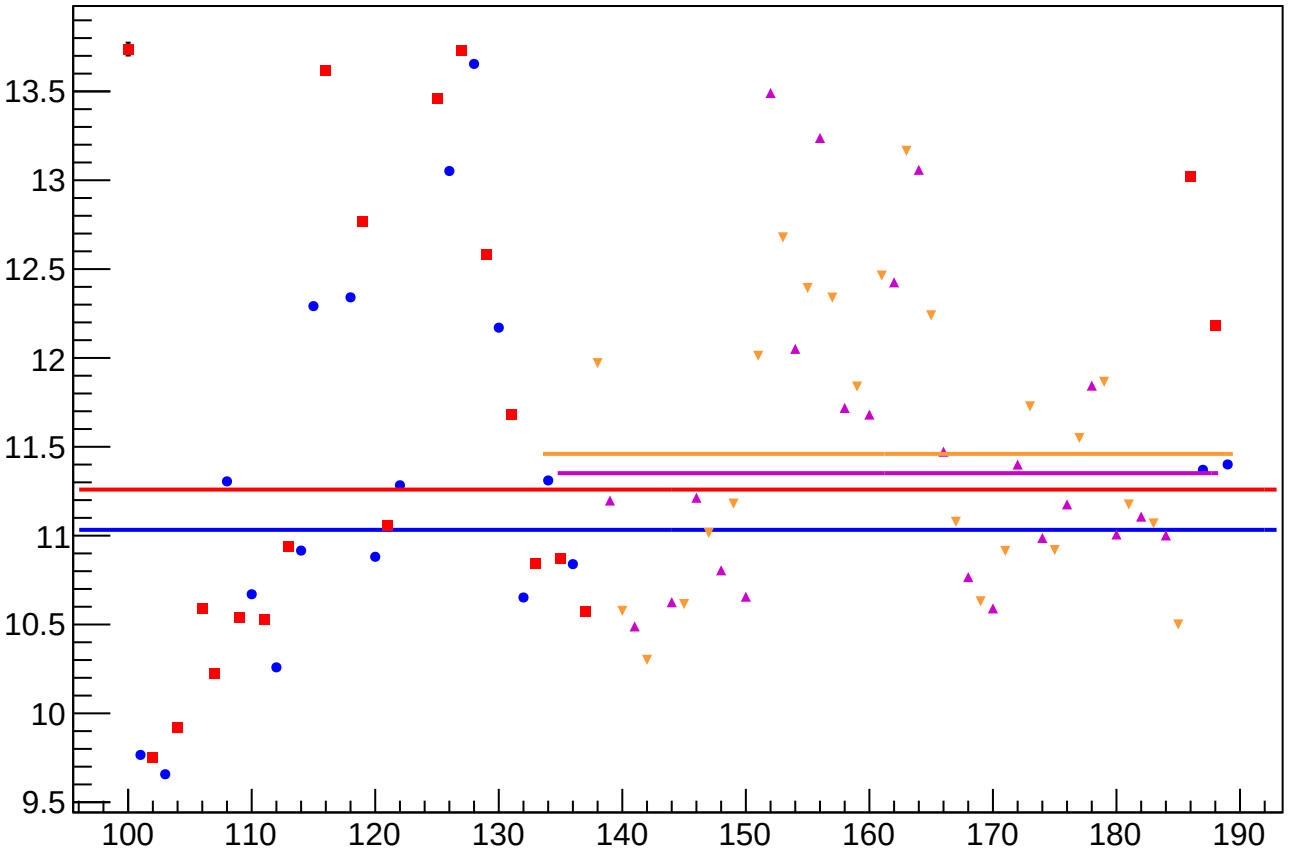
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 1.672+/-2.760 χ^2/NDF: 46.9/37

In: -2.306+/-2.214 χ^2/NDF:49.0/40

Out: 2.363+/-2.204 χ^2/NDF:53.2/43

All: 0.040+/-1.562 χ^2/NDF: 104.4/84



Right In: 11.033+/-0.003 χ^2/NDF: 137710.8/17

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.259+/-0.003 χ^2/NDF: 191704.8/19

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

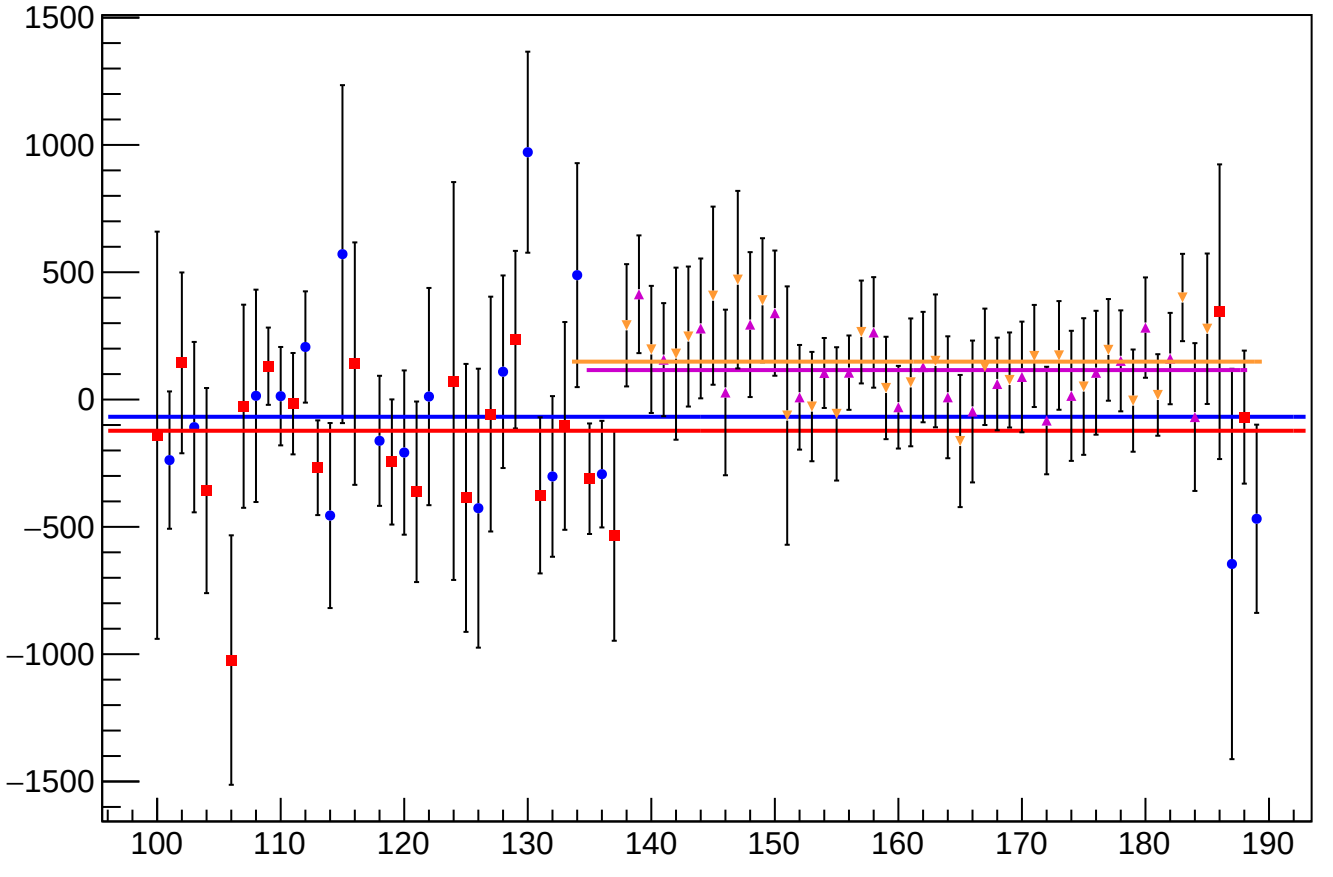
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.149+/-0.002 χ^2/NDF: 332784.9/37

In: 11.251+/-0.002 χ^2/NDF:317222.7/40

Out: 11.395+/-0.002 χ^2/NDF:345790.1/43

All: 11.323+/-0.001 χ^2/NDF: 667206.9/84



Right In: -67.666+/-74.487 χ^2/NDF: 17.3/17

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -122.563+/-65.625 χ^2/NDF: 13.6/20

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

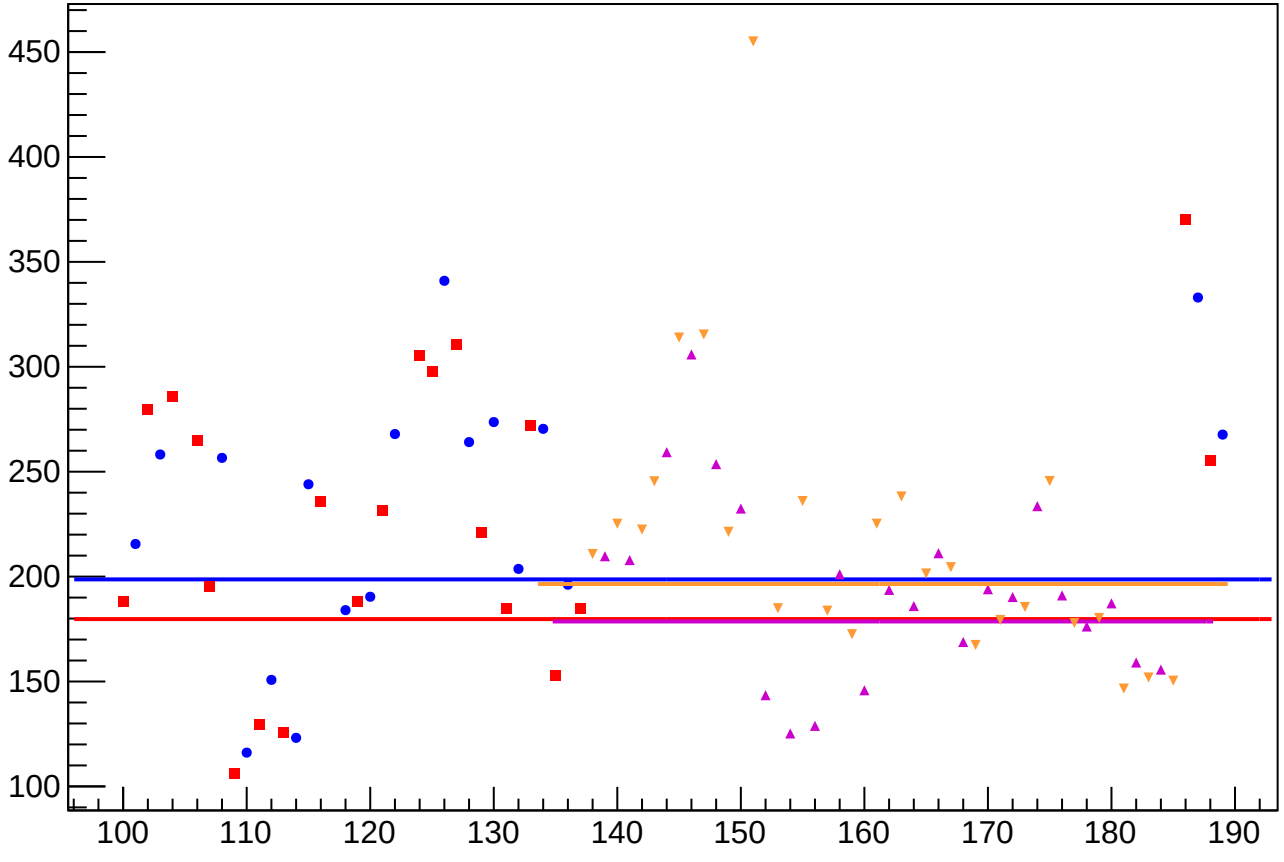
Right: -98.573+/-49.240 χ^2/NDF: 31.1/38

In: 68.848+/-37.654 χ^2/NDF:29.6/40

Out: 58.669+/-37.836 χ^2/NDF:35.5/45

All: 63.783+/-26.689 χ^2/NDF: 65.1/86

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 198.670+/-0.053 χ^2/NDF: 1179442.0/17

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.755+/-0.046 χ^2/NDF: 2060807.7/20

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

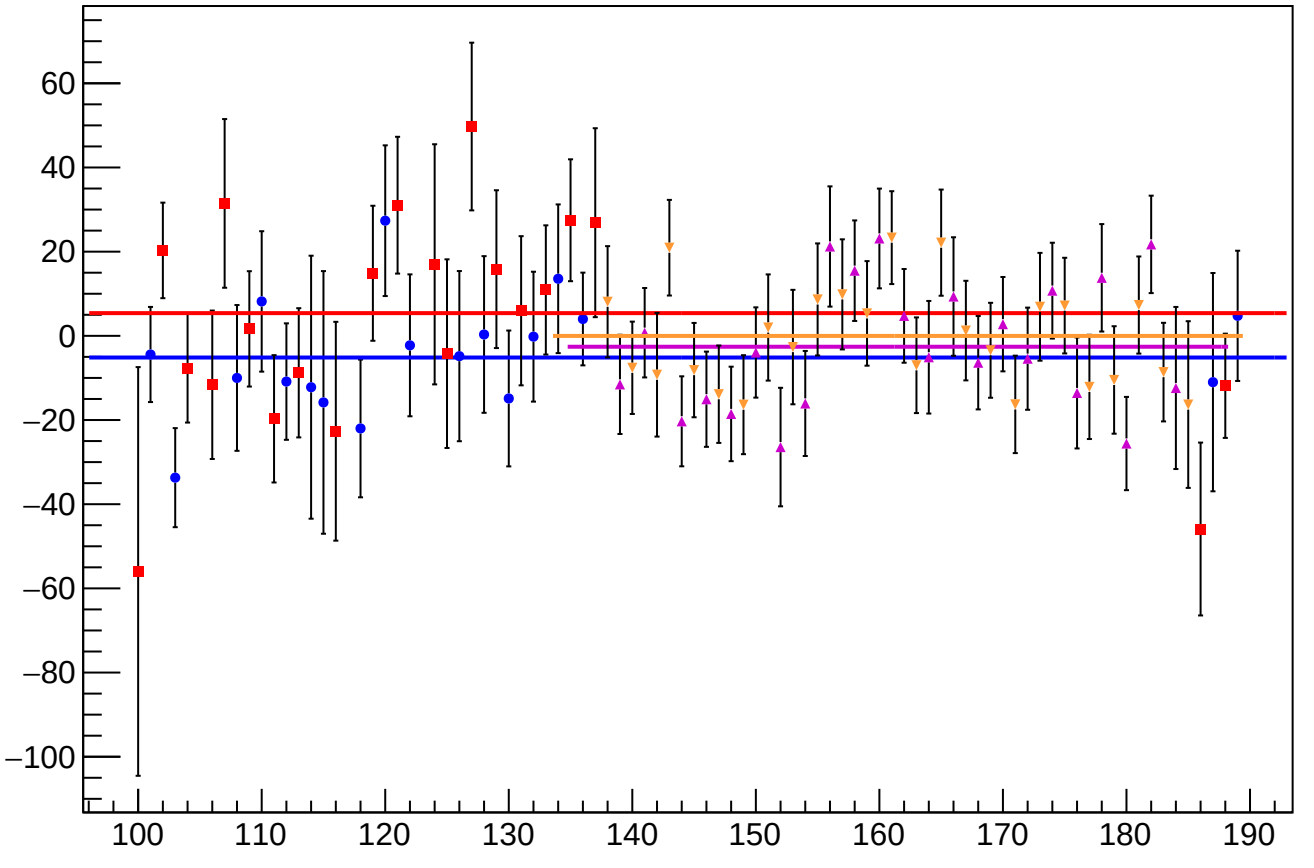
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 188.021+/-0.035 χ^2/NDF: 3312862.7/38

In: 183.739+/-0.027 χ^2/NDF:2966250.2/40

Out: 190.903+/-0.027 χ^2/NDF:3966014.5/45

All: 187.304+/-0.019 χ^2/NDF: 6968290.5/86



Right In: -5.150+/-3.777 χ^2/NDF: 14.2/17

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 5.396+/-3.661 χ^2/NDF: 31.8/20

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

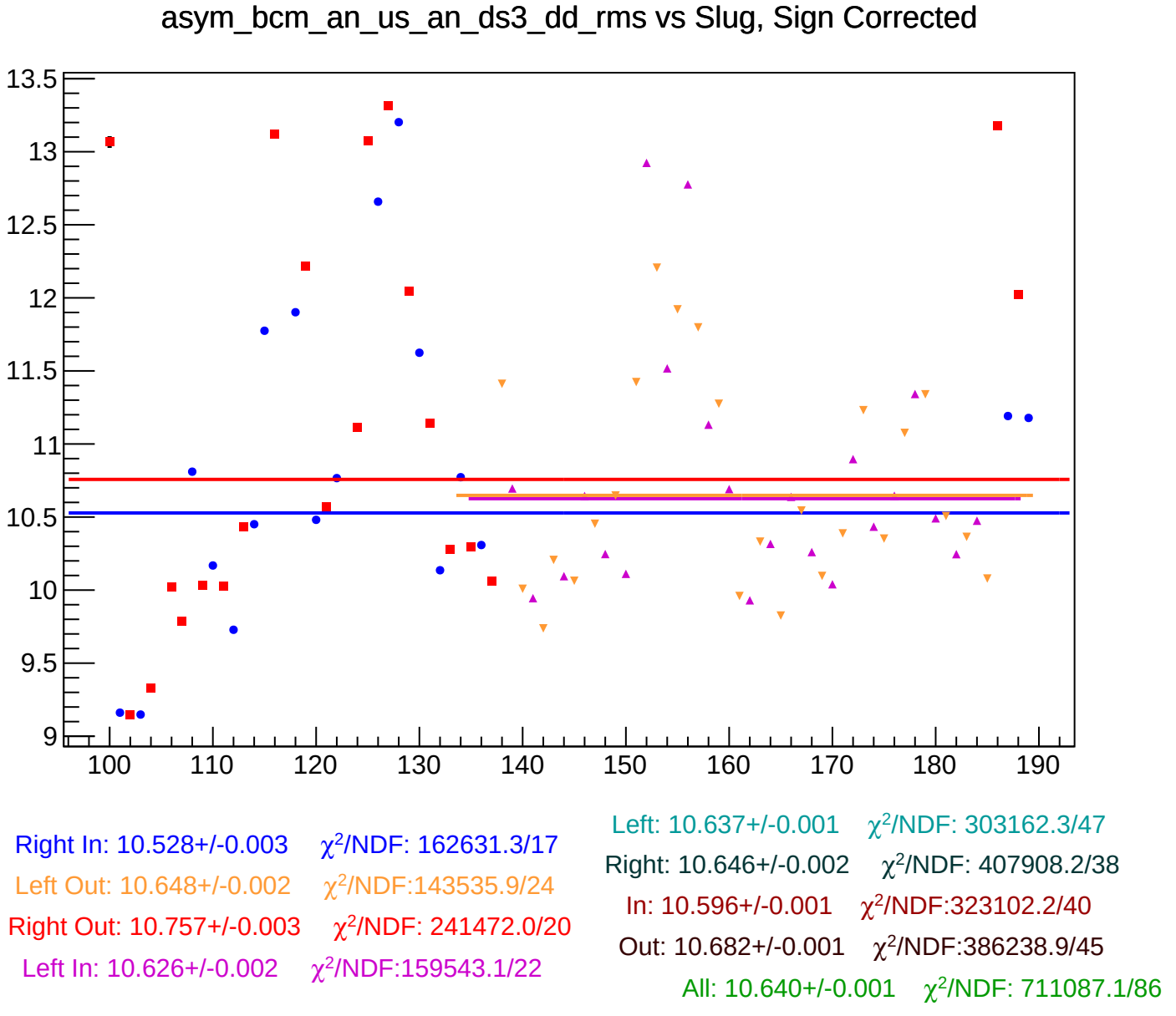
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

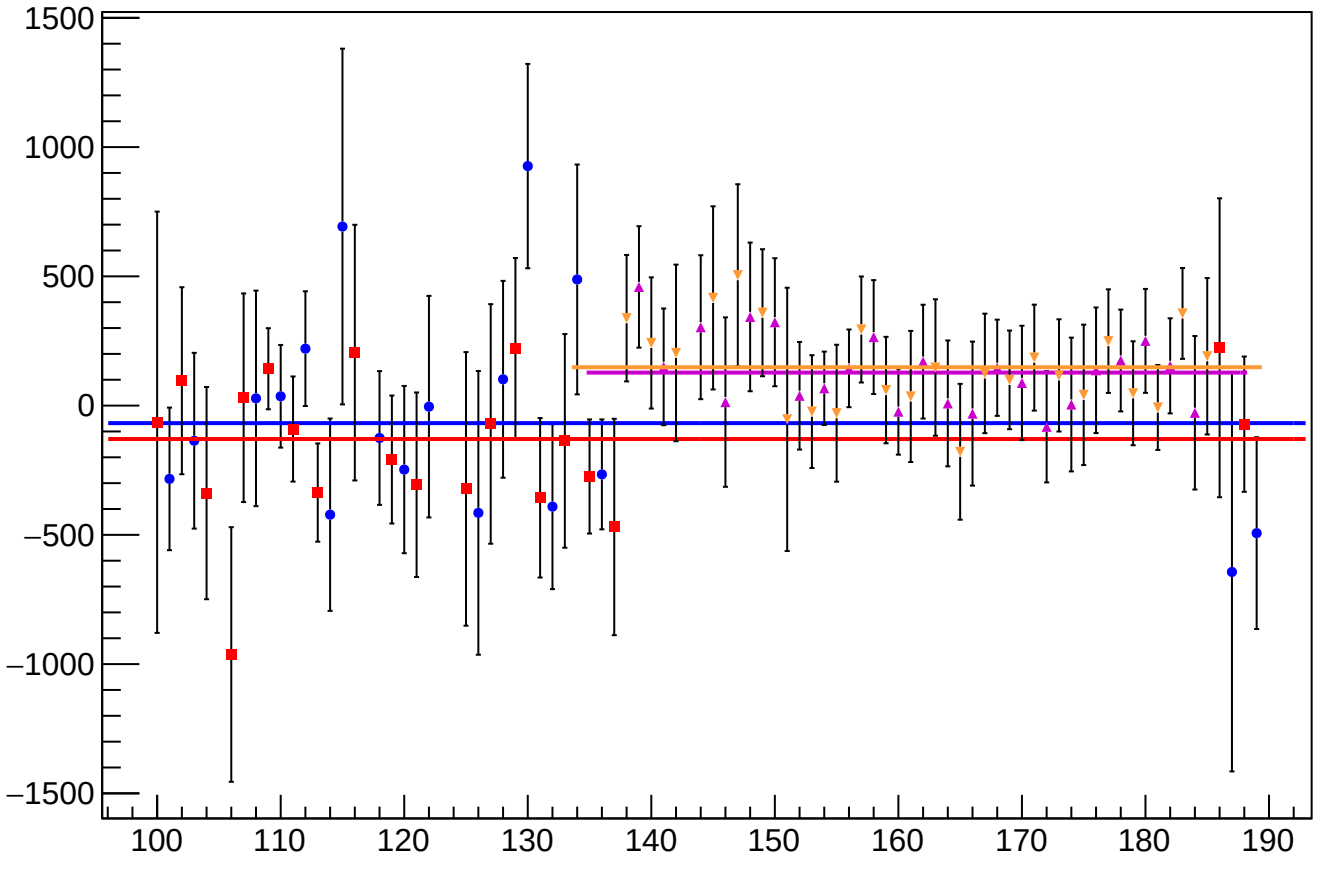
Right: 0.287+/-2.629 χ^2/NDF: 50.0/38

In: -3.373+/-2.088 χ^2/NDF:49.2/40

Out: 1.652+/-2.033 χ^2/NDF:57.1/45

All: -0.794+/-1.457 χ^2/NDF: 109.3/86


asym_bcm_an_us_an_ds3_dd_rms vs Slug, Sign Corrected
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
110
120
130
140
150
160
170
180
190
Right In: 10.528+/-0.003 χ²/NDF: 162631.3/17
Left Out: 10.648+/-0.002 χ²/NDF:143535.9/24
Right Out: 10.757+/-0.003 χ²/NDF: 241472.0/20
Left In: 10.626+/-0.002 χ²/NDF:159543.1/22
Left: 10.637+/-0.001 χ²/NDF: 303162.3/47
Right: 10.646+/-0.002 χ²/NDF: 407908.2/38
In: 10.596+/-0.001 χ²/NDF:323102.2/40
Out: 10.682+/-0.001 χ²/NDF:386238.9/45
All: 10.640+/-0.001 χ²/NDF: 711087.1/86



Right In: -67.819+/-75.575 χ^2/NDF: 17.4/17

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -129.220+/-67.016 χ^2/NDF: 11.9/19

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

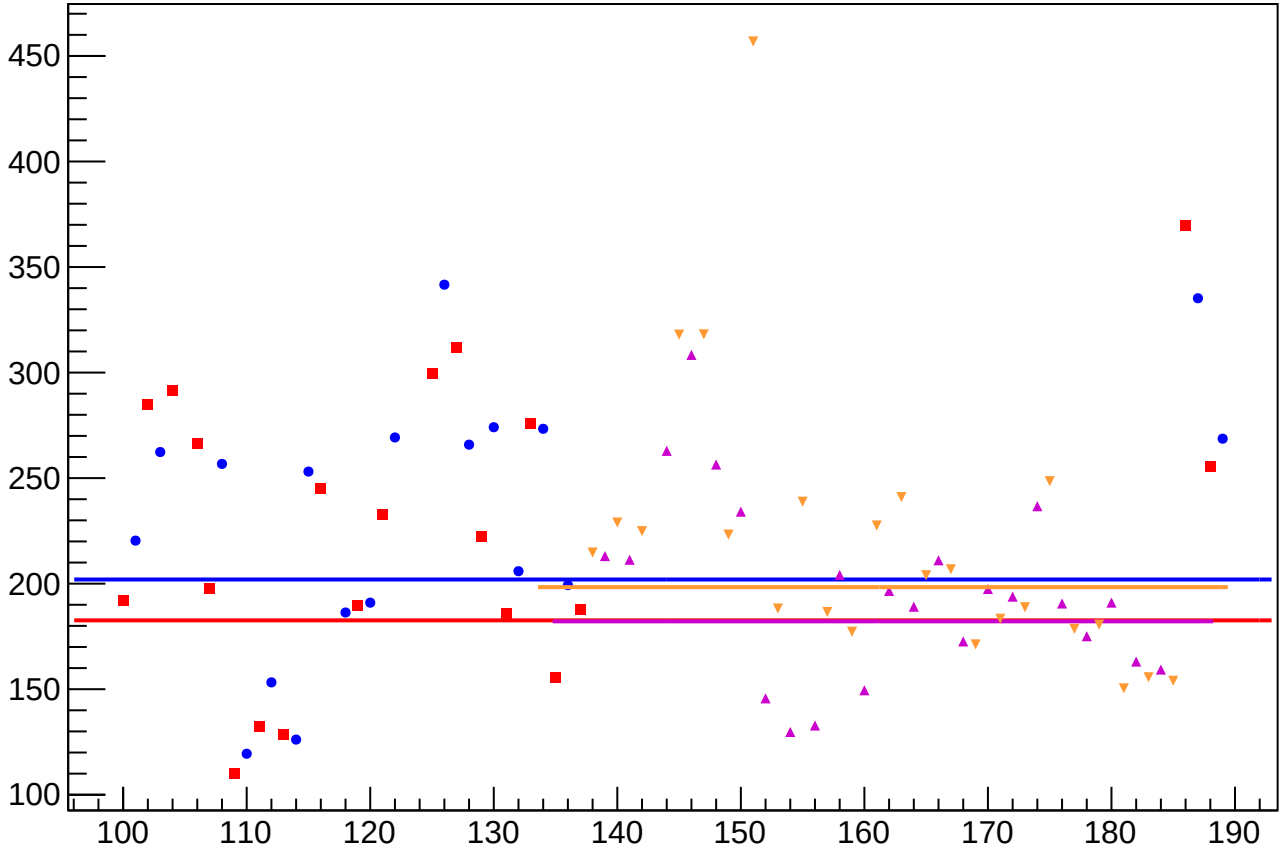
Right: -102.192+/-50.142 χ^2/NDF: 29.7/37

In: 77.495+/-38.299 χ^2/NDF:30.2/40

Out: 55.021+/-38.872 χ^2/NDF:33.2/43

All: 66.425+/-27.282 χ^2/NDF: 63.6/84

asym_bcm_dg_us_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 201.973+/-0.053 χ^2/NDF: 1130700.3/17

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 182.611+/-0.047 χ^2/NDF: 1926031.5/19

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

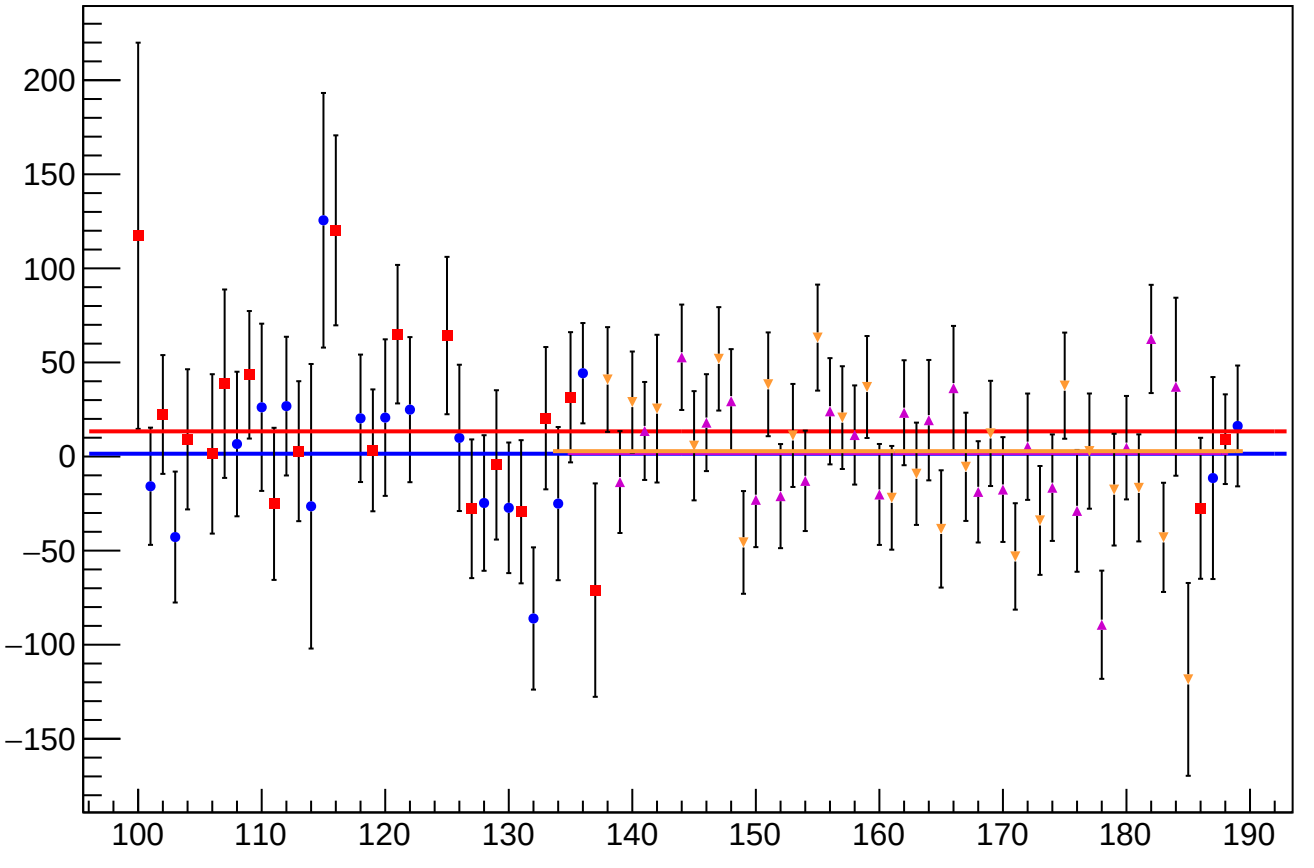
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 191.134+/-0.035 χ^2/NDF: 3130218.0/37

In: 187.241+/-0.027 χ^2/NDF:2817315.6/40

Out: 193.055+/-0.027 χ^2/NDF:3696300.4/43

All: 190.105+/-0.019 χ^2/NDF: 6536323.0/84



Right In: 1.492+/-8.915 χ^2/NDF: 17.0/17

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 13.377+/-8.446 χ^2/NDF: 17.7/19

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

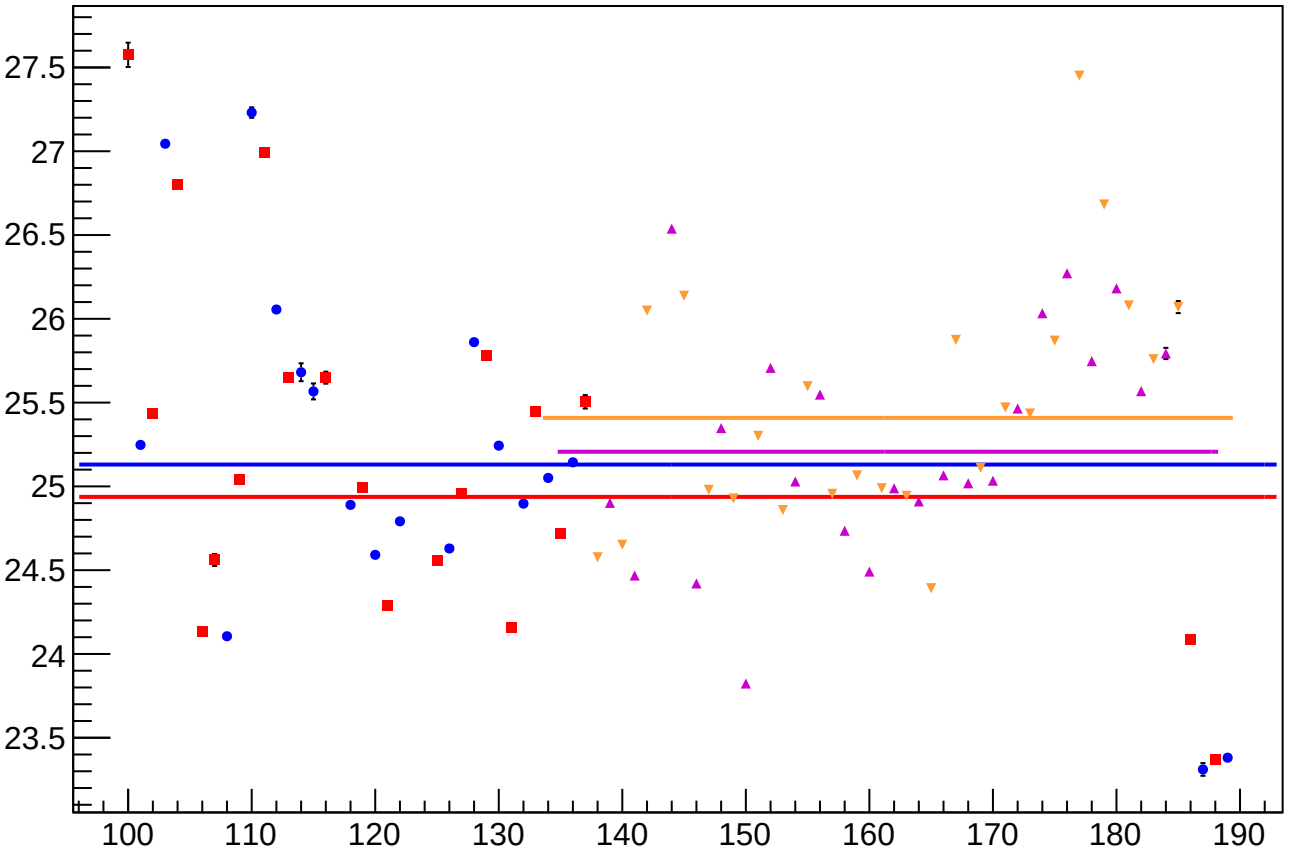
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 7.755+/-6.131 χ^2/NDF: 35.7/37

In: 1.741+/-4.916 χ^2/NDF:45.1/40

Out: 6.306+/-4.839 χ^2/NDF:55.7/43

All: 4.059+/-3.449 χ^2/NDF: 101.2/84



Right In: 25.130+/-0.006 χ^2/NDF: 23513.5/17

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.937+/-0.006 χ^2/NDF: 26809.3/19

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

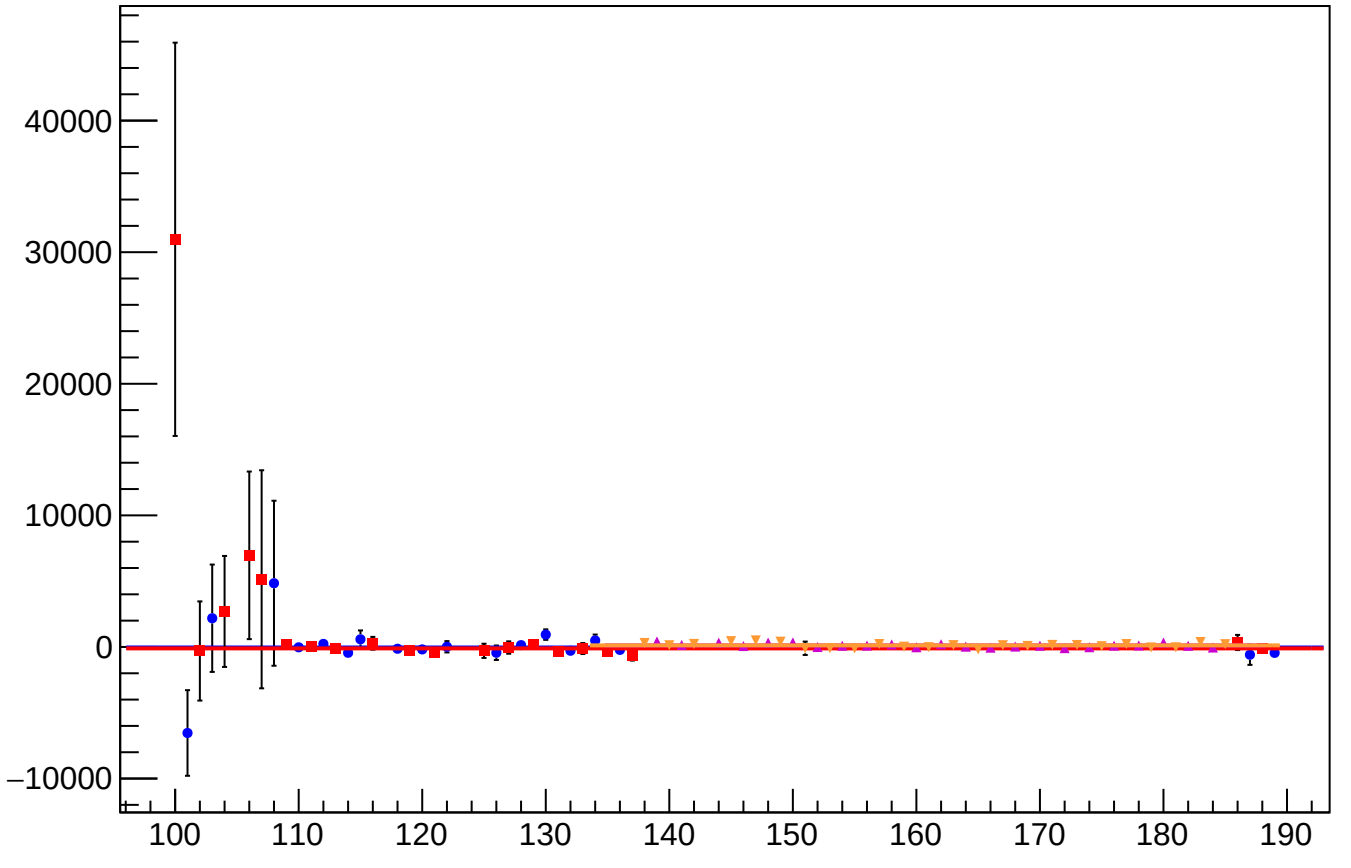
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 25.029+/-0.004 χ^2/NDF: 50816.4/37

In: 25.184+/-0.003 χ^2/NDF:49443.4/40

Out: 25.254+/-0.003 χ^2/NDF:57856.7/43

All: 25.219+/-0.002 χ^2/NDF: 107508.6/84



Right In: -41.052+/-81.874 χ^2/NDF: 20.2/17

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -109.030+/-74.339 χ^2/NDF: 15.0/19

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

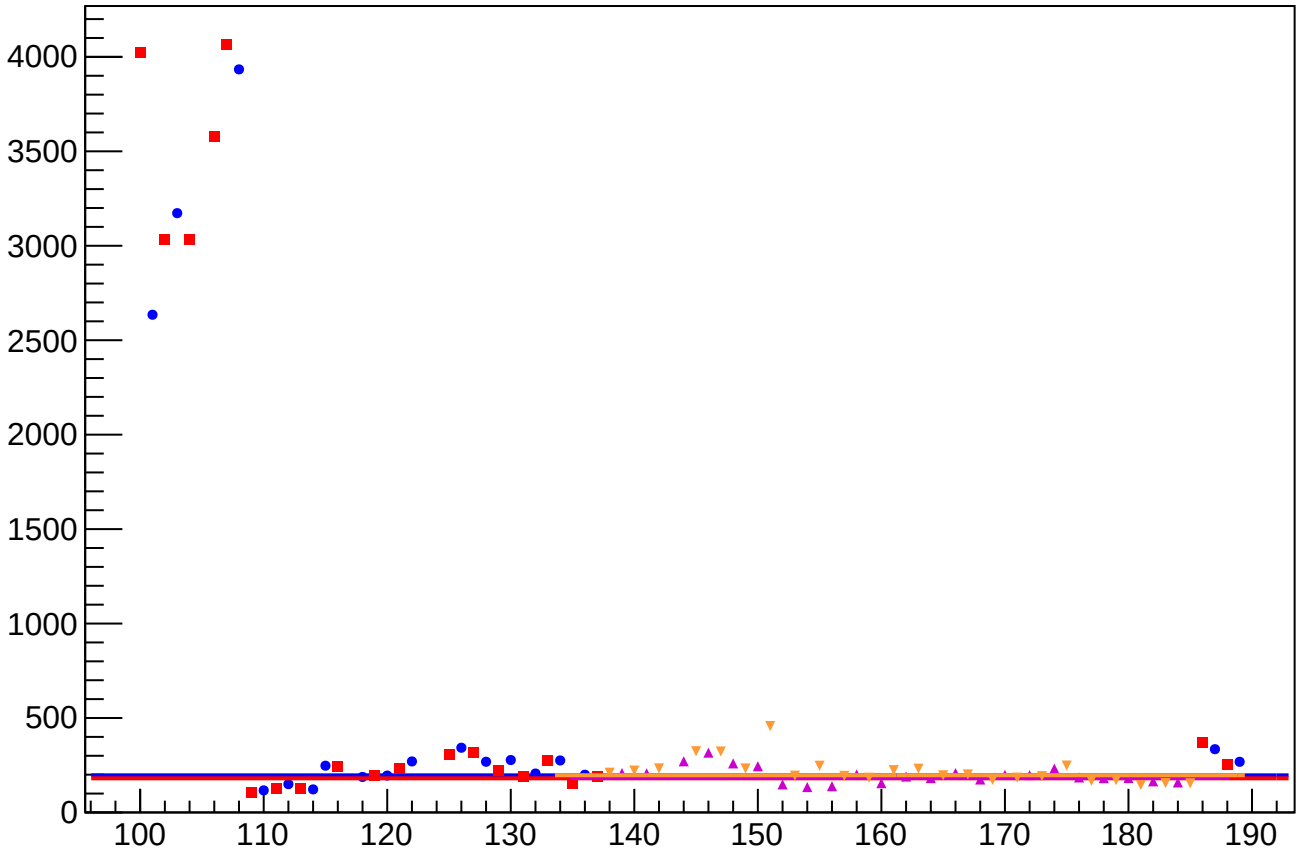
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -78.312+/-55.037 χ^2/NDF: 35.6/37

In: 80.017+/-39.292 χ^2/NDF:31.4/40

Out: 53.878+/-39.991 χ^2/NDF:33.7/43

All: 67.178+/-28.027 χ^2/NDF: 65.4/84



Right In: 196.462+/-0.058 χ^2/NDF: 3981636.7/17

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 180.663+/-0.053 χ^2/NDF: 4664965.6/19

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

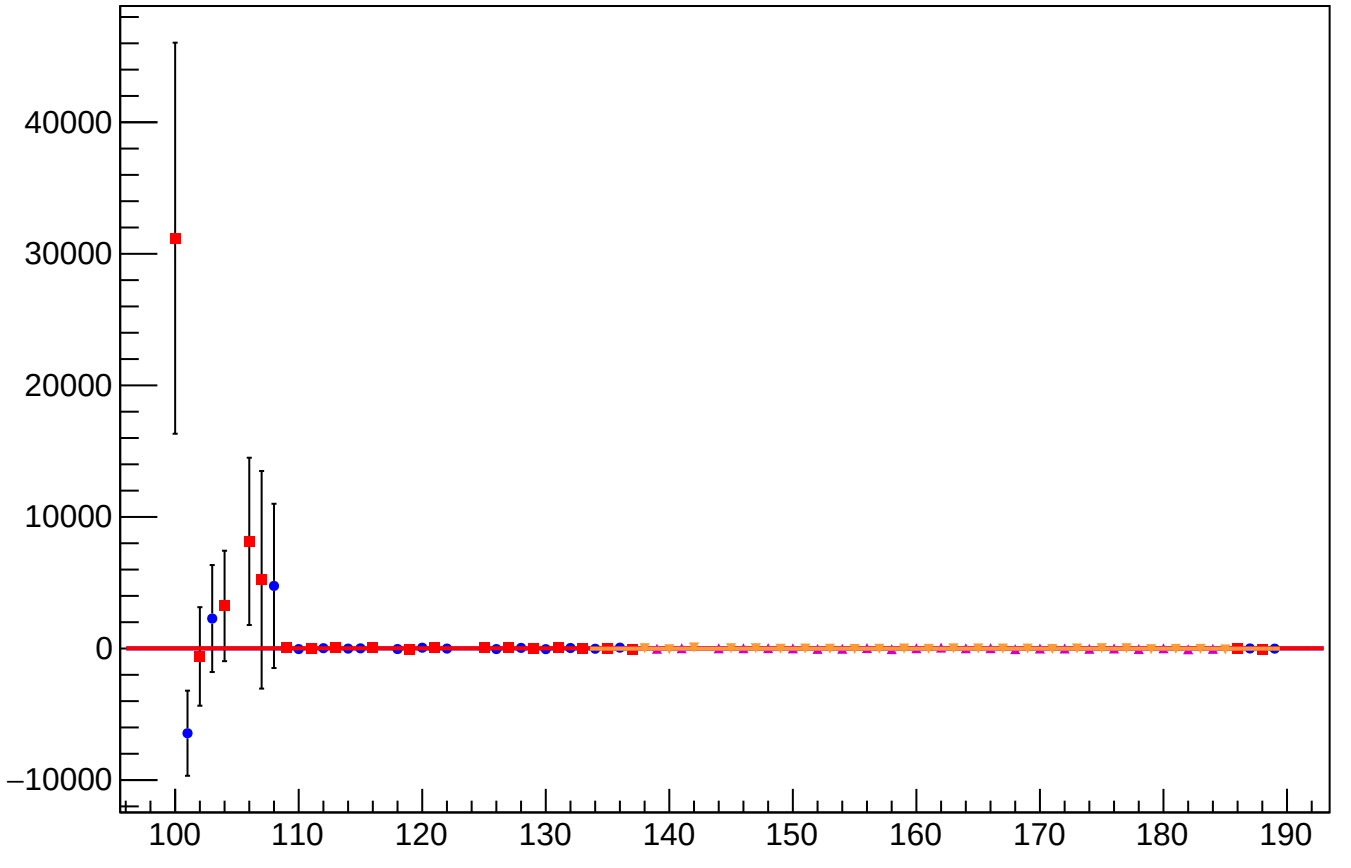
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 187.802+/-0.039 χ^2/NDF: 8687423.6/37

In: 186.909+/-0.028 χ^2/NDF:5462435.1/40

Out: 192.226+/-0.028 χ^2/NDF:6542330.1/43

All: 189.521+/-0.020 χ^2/NDF: 12022752.6/84



Right In: 4.860+/-11.021 χ^2/NDF: 18.5/17

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 18.853+/-10.878 χ^2/NDF: 25.2/19

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

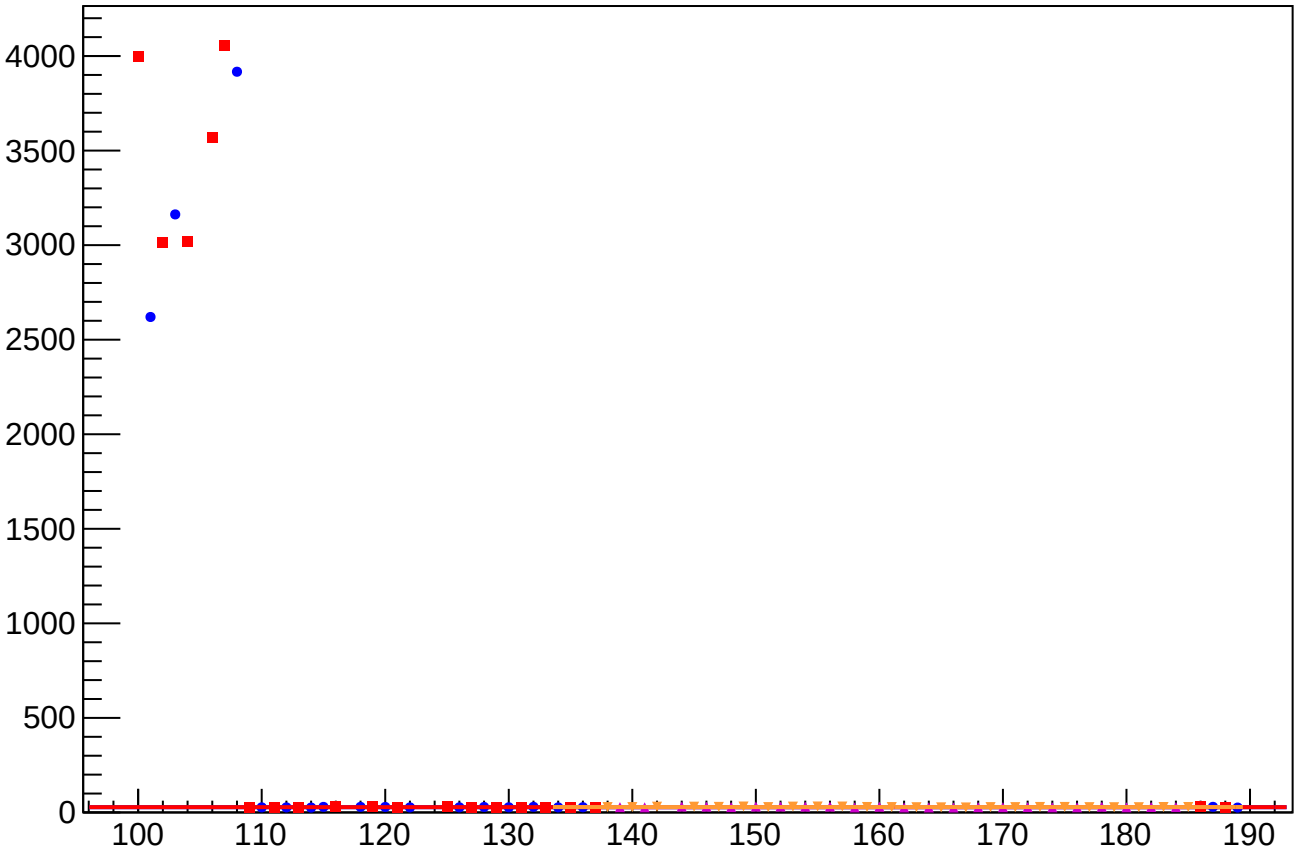
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 11.948+/-7.742 χ^2/NDF: 44.5/37

In: 3.197+/-5.745 χ^2/NDF:40.7/40

Out: -2.954+/-5.676 χ^2/NDF:48.3/43

All: 0.084+/-4.038 χ^2/NDF: 89.5/84



Right In: 27.674+/-0.008 χ^2/NDF: 3273467.6/17

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.997+/-0.008 χ^2/NDF: 3568325.0/19

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

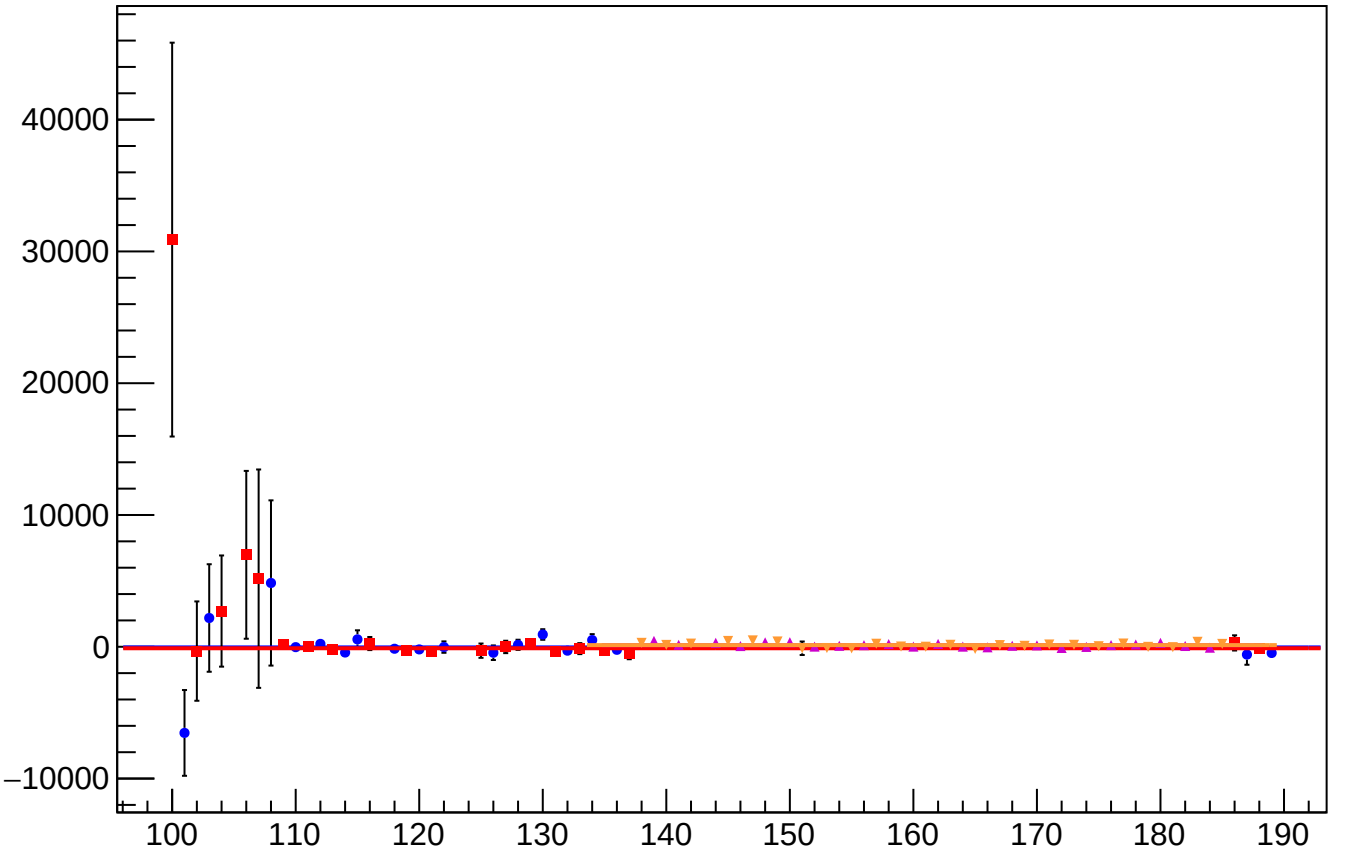
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.837+/-0.005 χ^2/NDF: 6842661.2/37

In: 28.441+/-0.004 χ^2/NDF:3414164.7/40

Out: 28.430+/-0.004 χ^2/NDF:3653686.1/43

All: 28.436+/-0.003 χ^2/NDF: 7067854.6/84



Right In: -48.308+/-82.444 χ^2/NDF: 20.1/17

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -112.750+/-74.855 χ^2/NDF: 13.8/19

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

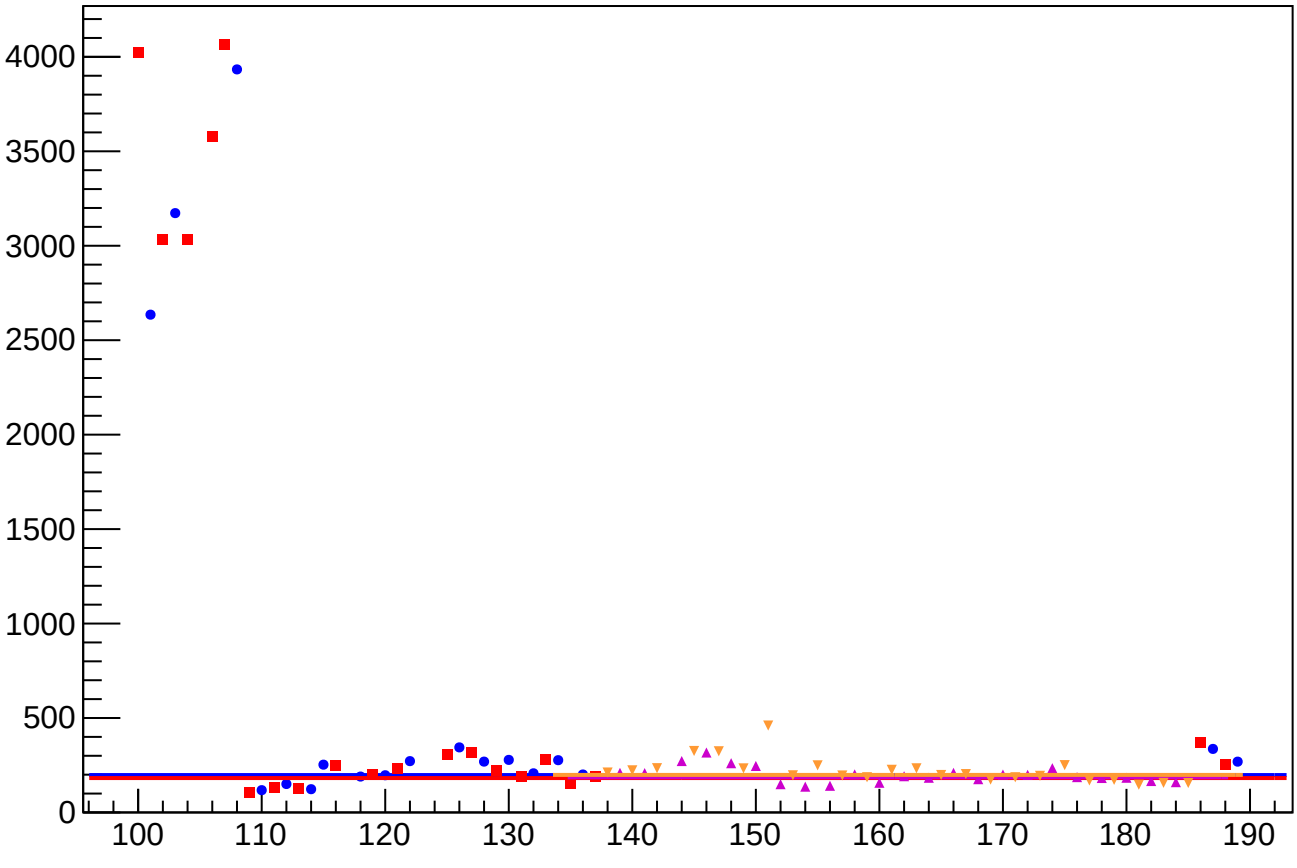
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -83.631+/-55.420 χ^2/NDF: 34.2/37

In: 83.263+/-39.633 χ^2/NDF:31.4/40

Out: 57.001+/-40.318 χ^2/NDF:32.6/43

All: 70.357+/-28.264 χ^2/NDF: 64.2/84



Right In: 197.956+/-0.058 χ^2/NDF: 3967876.1/17

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 182.072+/-0.053 χ^2/NDF: 4649231.6/19

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

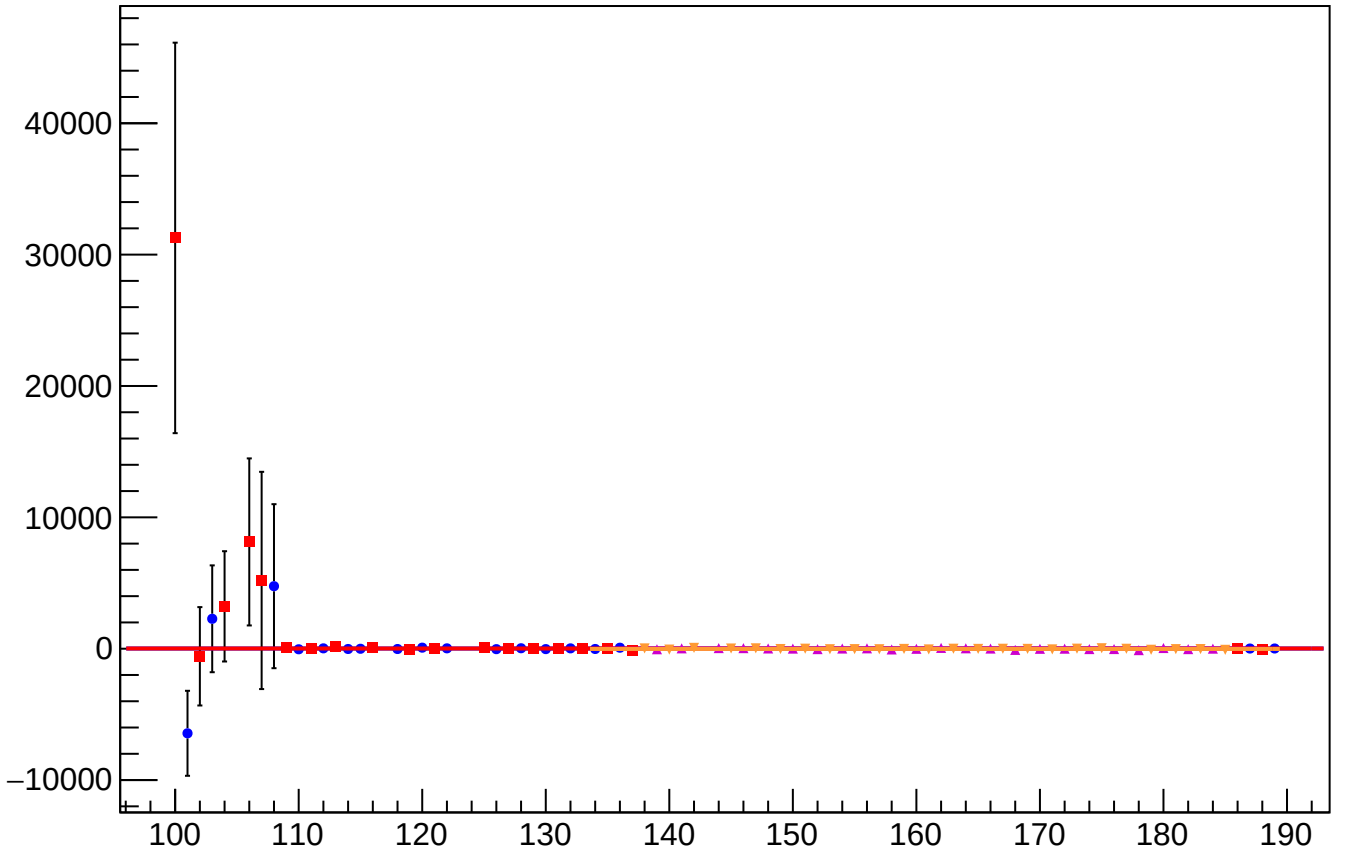
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 189.249+/-0.039 χ^2/NDF: 8657801.6/37

In: 188.664+/-0.028 χ^2/NDF:5406441.4/40

Out: 193.902+/-0.029 χ^2/NDF:6506003.8/43

All: 191.238+/-0.020 χ^2/NDF: 11929609.3/84



Right In: 13.859+/-12.230 χ^2/NDF: 15.5/17

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 16.026+/-12.015 χ^2/NDF: 30.4/19

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

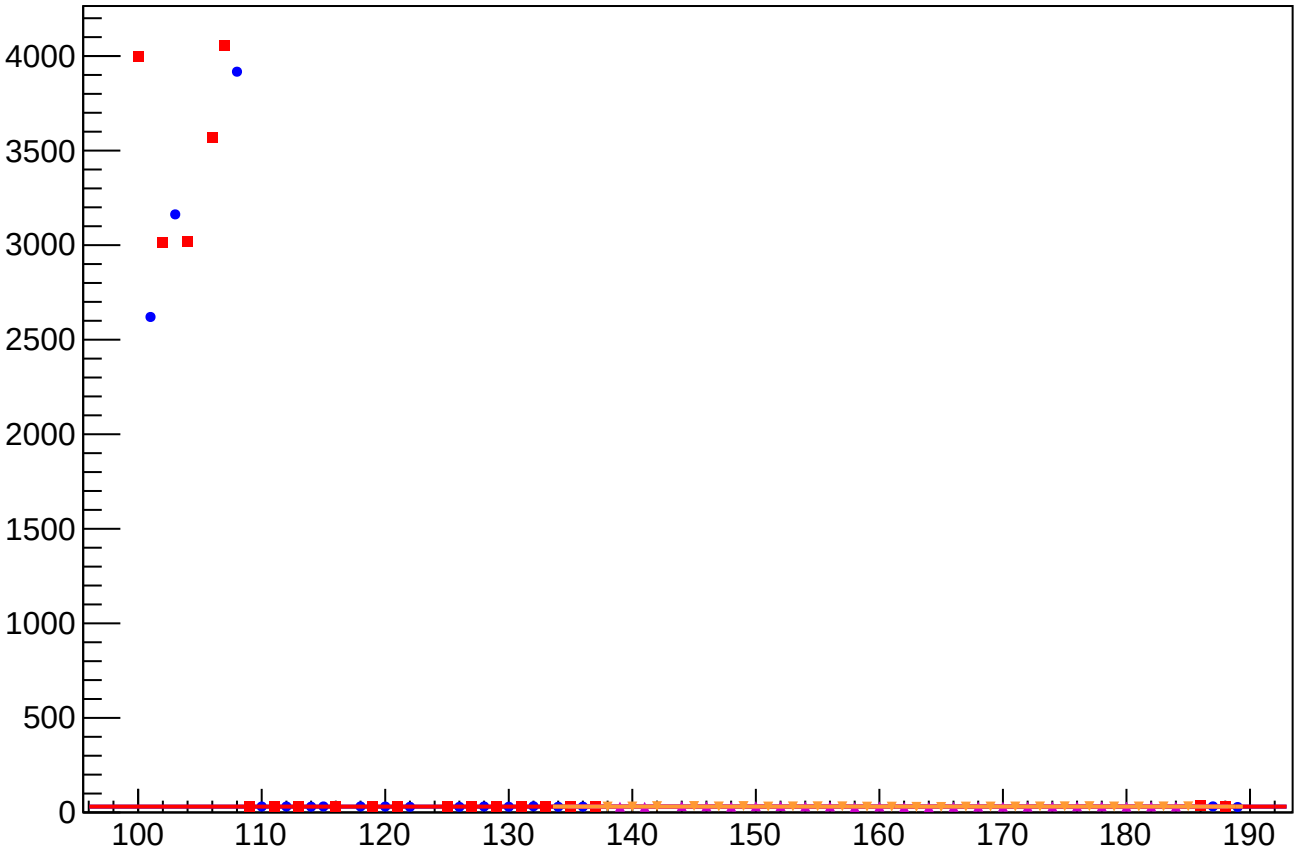
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 14.962+/-8.571 χ^2/NDF: 45.9/37

In: 1.685+/-6.298 χ^2/NDF:52.3/40

Out: -9.037+/-6.213 χ^2/NDF:56.6/43

All: -3.749+/-4.423 χ^2/NDF: 110.4/84



Right In: 30.743+/-0.009 χ^2/NDF: 3259054.5/17

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.965+/-0.008 χ^2/NDF: 3545211.1/19

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

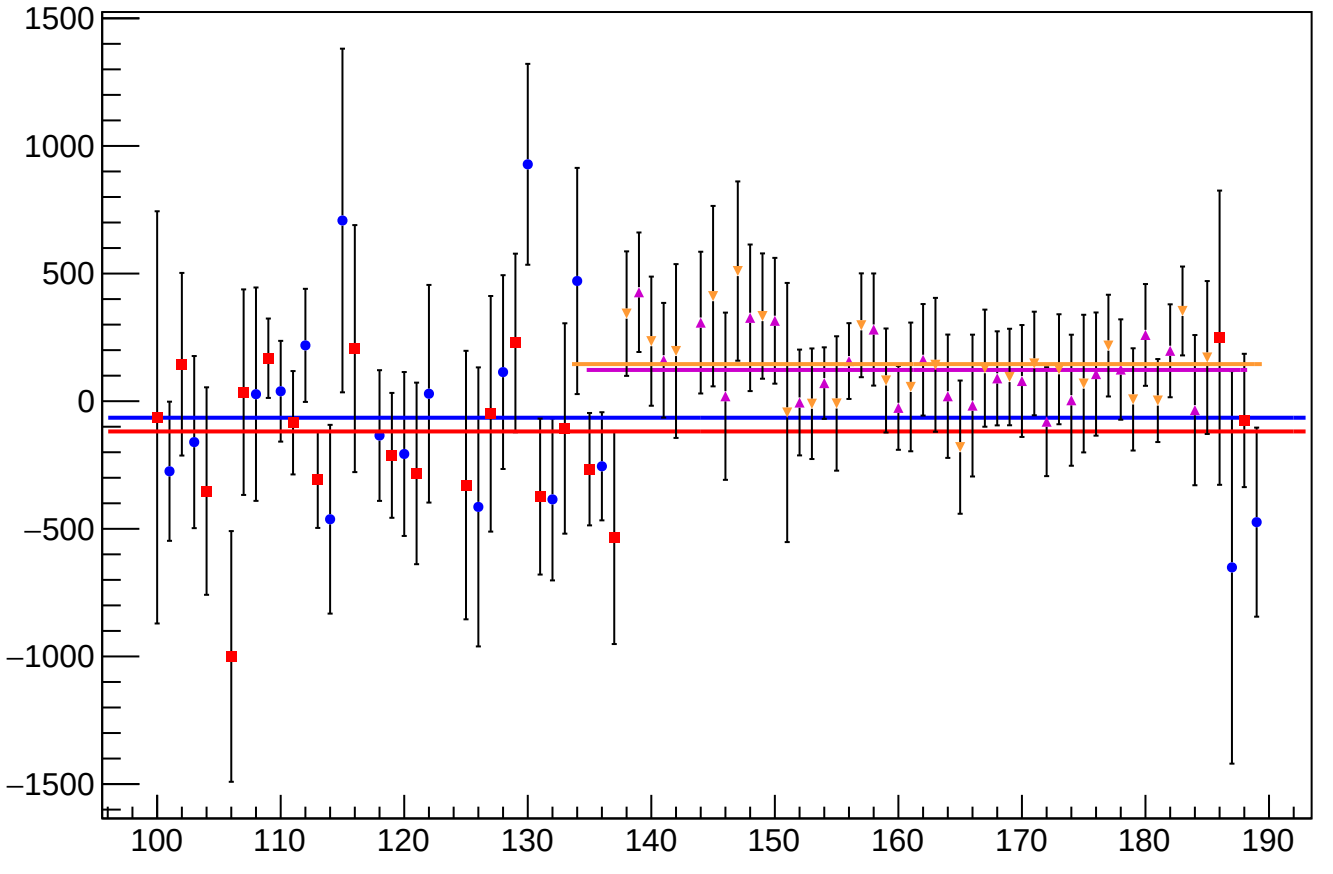
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.856+/-0.006 χ^2/NDF: 6804599.3/37

In: 31.211+/-0.004 χ^2/NDF:3348262.2/40

Out: 31.153+/-0.004 χ^2/NDF:3593303.9/43

All: 31.181+/-0.003 χ^2/NDF: 6941651.8/84



Right In: -64.760+/-75.157 χ^2/NDF: 17.5/17

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -118.533+/-66.607 χ^2/NDF: 13.2/19

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

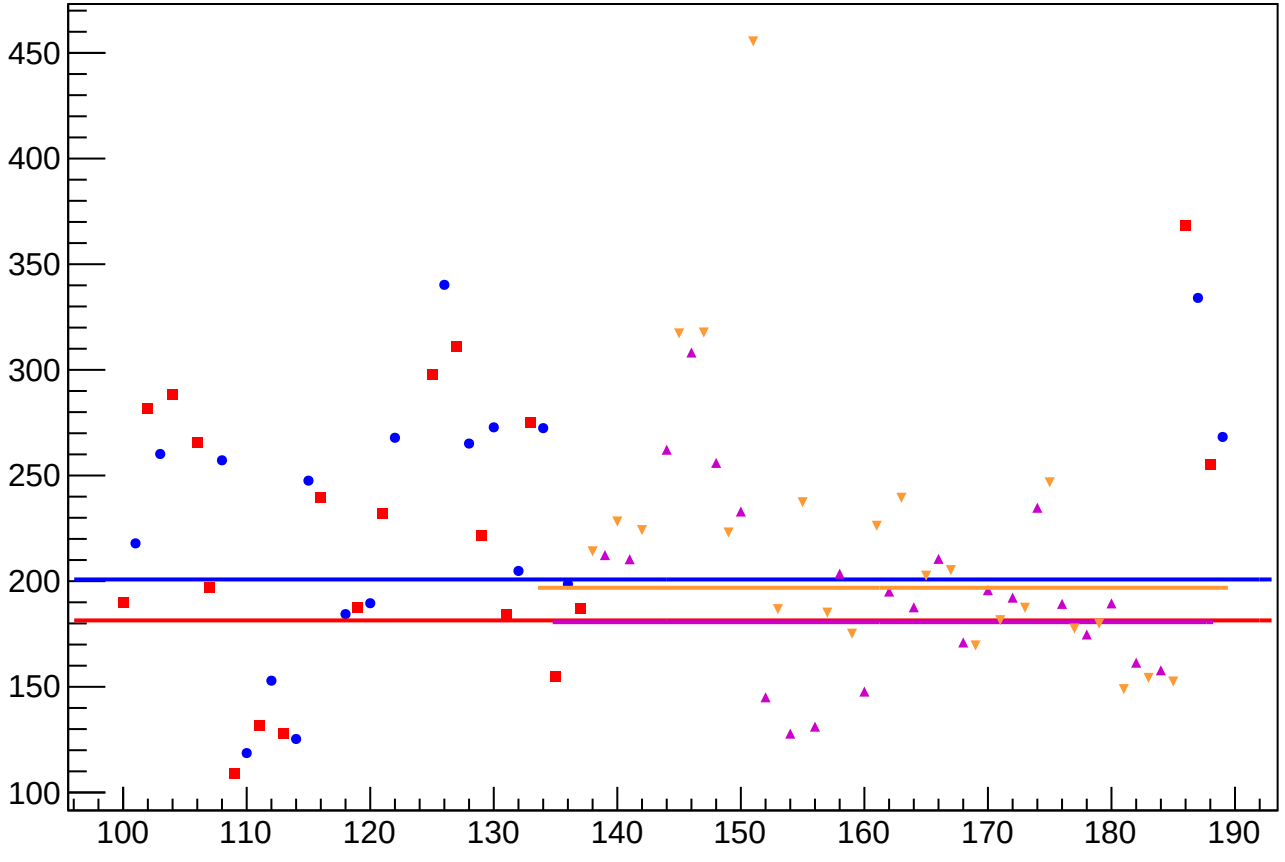
Right: -94.878+/-49.848 χ^2/NDF: 31.0/37

In: 74.477+/-38.023 χ^2/NDF:30.0/40

Out: 56.638+/-38.614 χ^2/NDF:33.0/43

All: 65.695+/-27.093 χ^2/NDF: 63.1/84

asym_bcm_dg_us_an_us_avg_rms vs Slug, Sign Corrected



Right In: 200.809+/-0.053 χ^2/NDF: 1133263.1/17

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 181.425+/-0.047 χ^2/NDF: 1928938.2/19

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

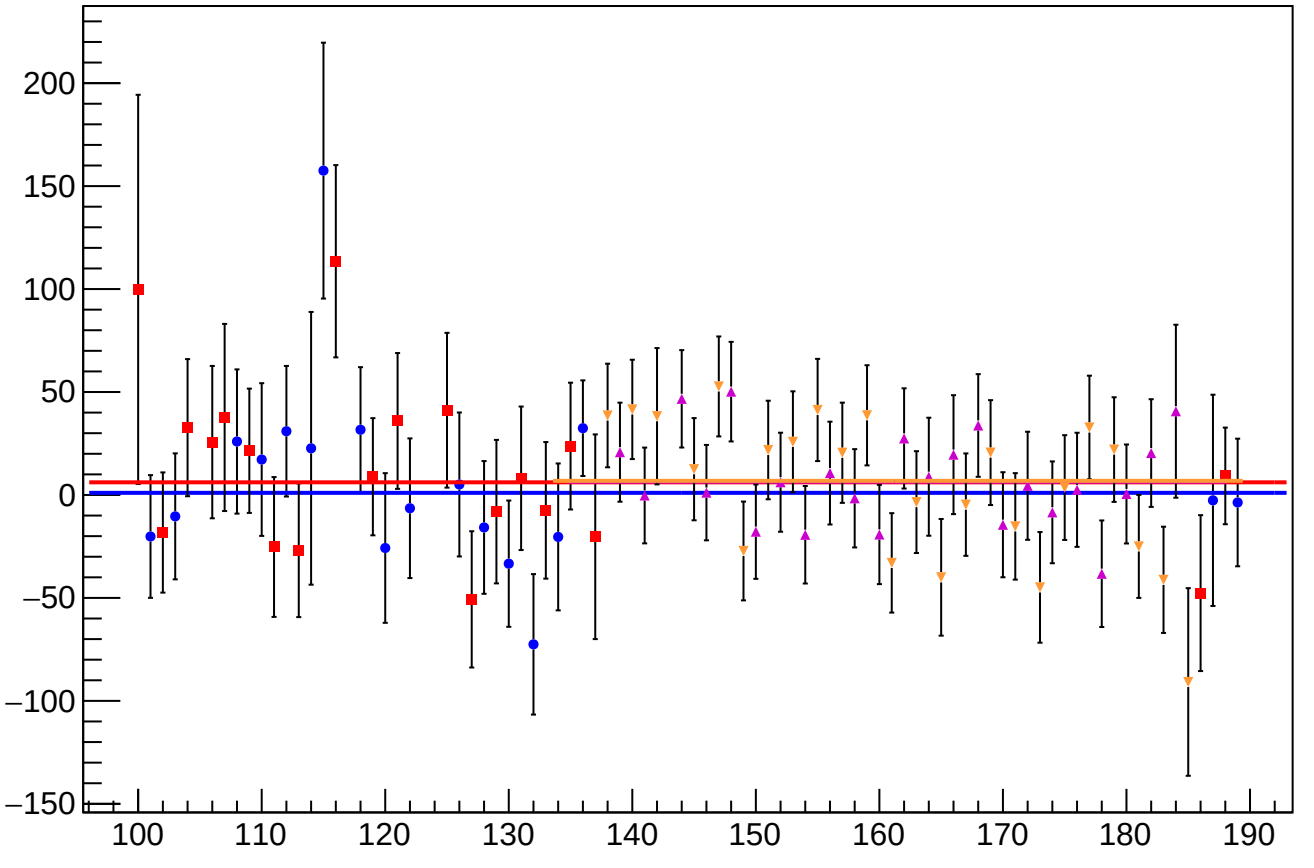
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 189.952+/-0.035 χ^2/NDF: 3136716.7/37

In: 185.774+/-0.027 χ^2/NDF:2868910.9/40

Out: 191.681+/-0.027 χ^2/NDF:3725472.5/43

All: 188.682+/-0.019 χ^2/NDF: 6618148.6/84



Right In: 1.036+/-7.982 χ^2/NDF: 18.7/17

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 6.139+/-7.652 χ^2/NDF: 18.1/19

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

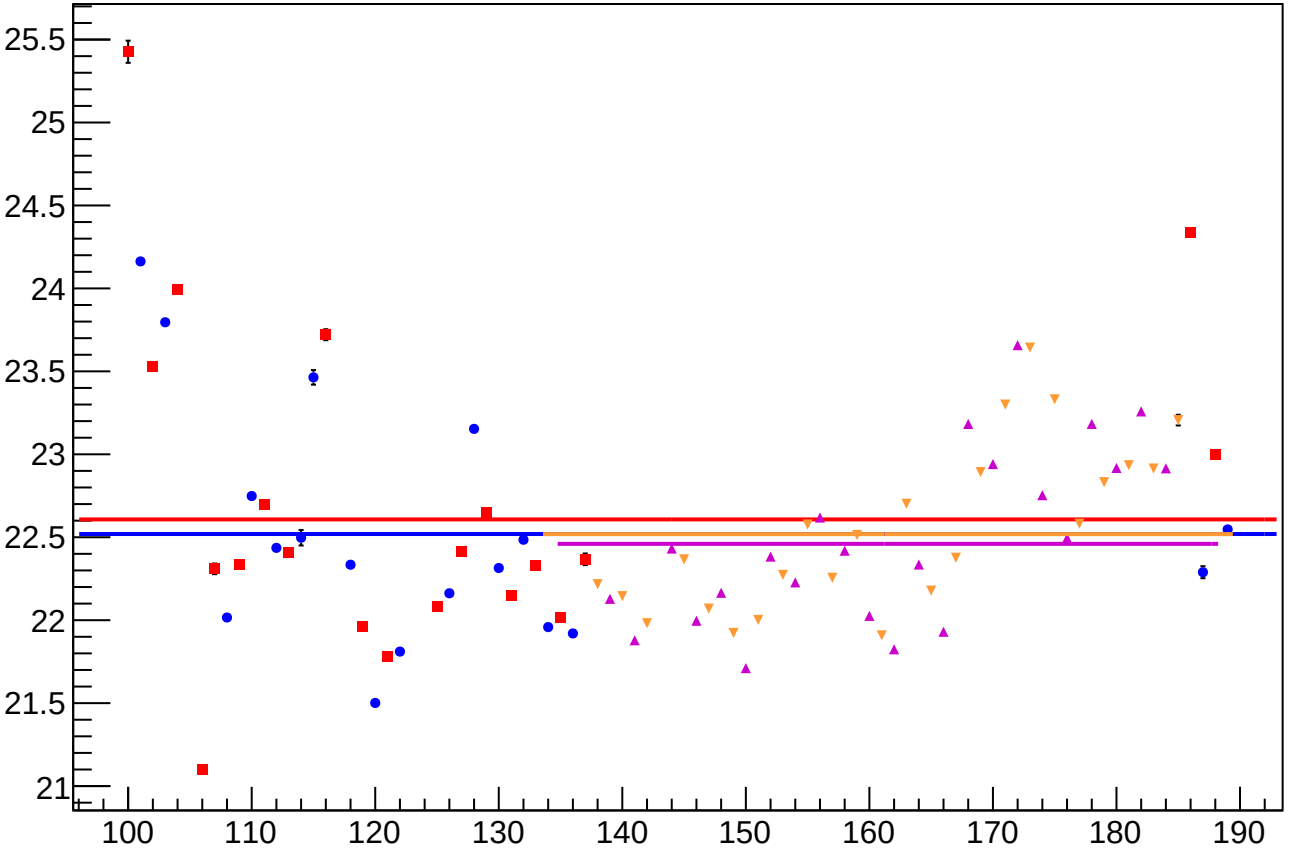
Right: 3.695+/-5.524 χ^2/NDF: 37.1/37

In: 4.839+/-4.384 χ^2/NDF:36.5/40

Out: 6.629+/-4.317 χ^2/NDF:55.0/43

All: 5.748+/-3.076 χ^2/NDF: 91.5/84

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.519+/-0.006 χ^2/NDF: 15990.2/17

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.608+/-0.005 χ^2/NDF: 20779.8/19

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

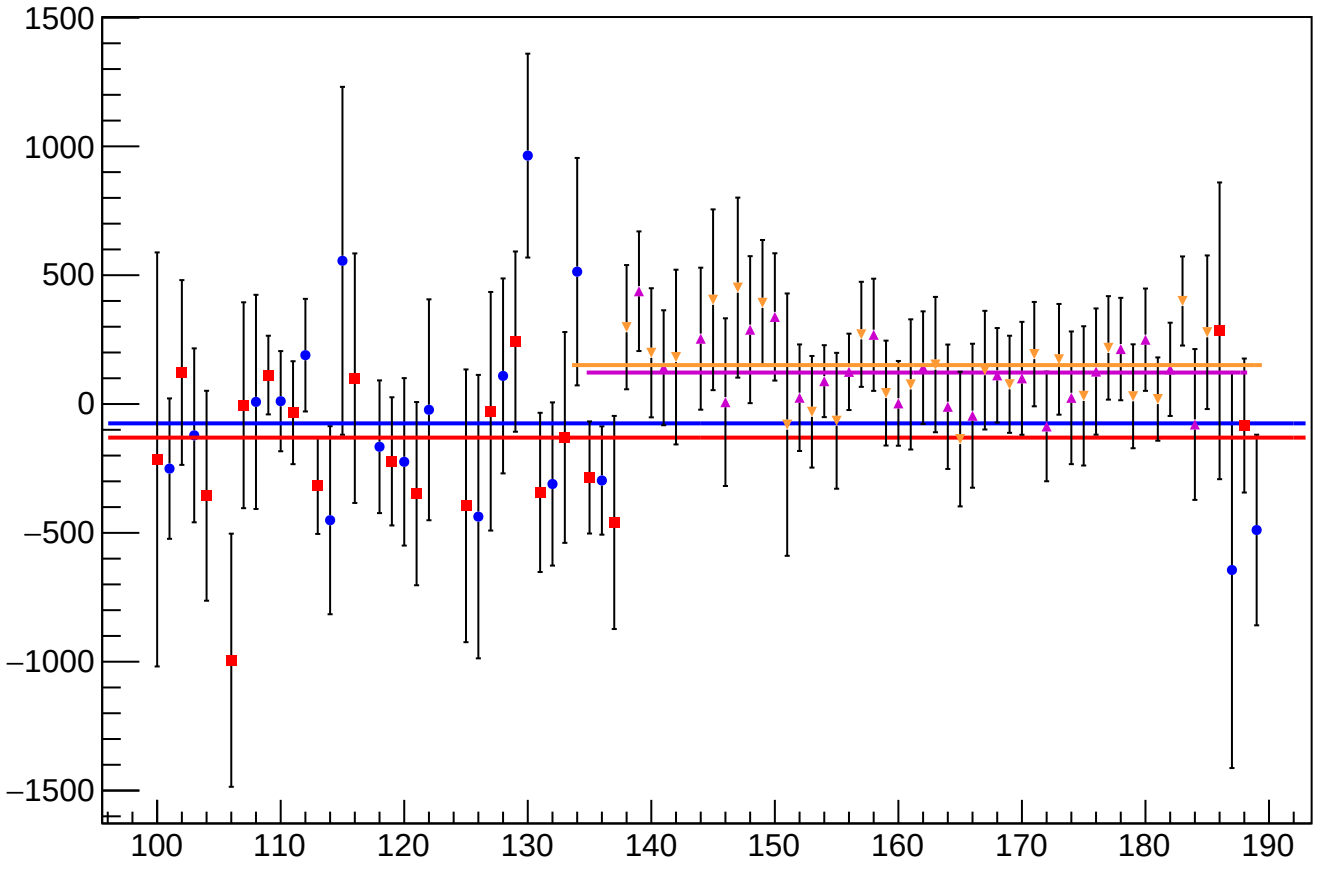
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.565+/-0.004 χ^2/NDF: 36896.7/37

In: 22.478+/-0.003 χ^2/NDF:35184.3/40

Out: 22.547+/-0.003 χ^2/NDF:36960.5/43

All: 22.513+/-0.002 χ^2/NDF: 72396.7/84



Right In: -75.018+/-74.837 χ^2/NDF: 17.2/17

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -130.323+/-66.150 χ^2/NDF: 12.1/19

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

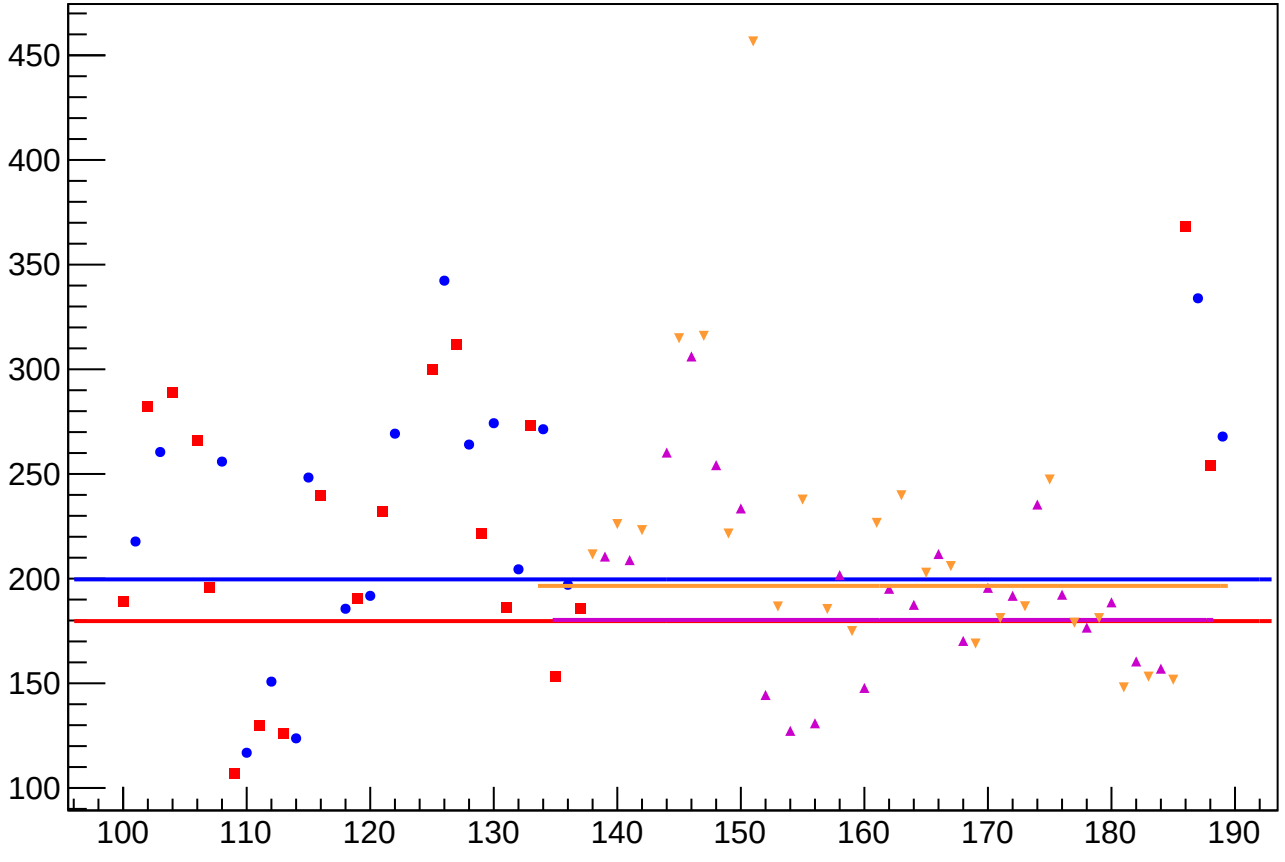
Right: -106.065+/-49.563 χ^2/NDF: 29.7/37

In: 71.502+/-37.934 χ^2/NDF:29.9/40

Out: 55.855+/-38.484 χ^2/NDF:34.1/43

All: 63.791+/-27.016 χ^2/NDF: 64.0/84

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 199.643+/-0.053 χ^2/NDF: 1176738.0/17

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 179.719+/-0.047 χ^2/NDF: 2004925.7/19

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

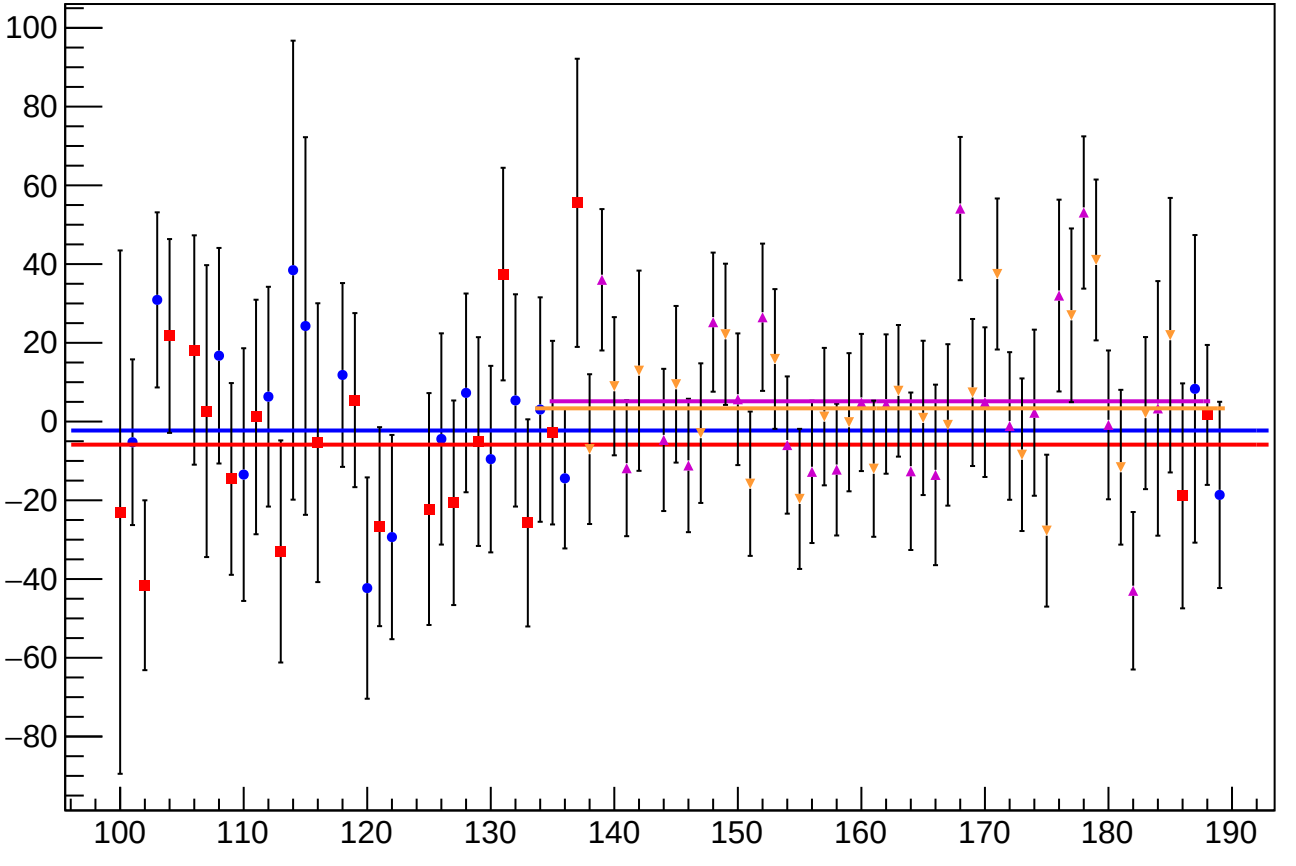
Right: 188.458+/-0.035 χ^2/NDF: 3261241.6/37

In: 185.251+/-0.027 χ^2/NDF:2900964.0/40

Out: 190.842+/-0.027 χ^2/NDF:3818297.5/43

All: 188.006+/-0.019 χ^2/NDF: 6740676.8/84

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -2.273+/-6.187 χ^2/NDF: 8.6/17

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -5.862+/-5.949 χ^2/NDF: 13.8/19

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

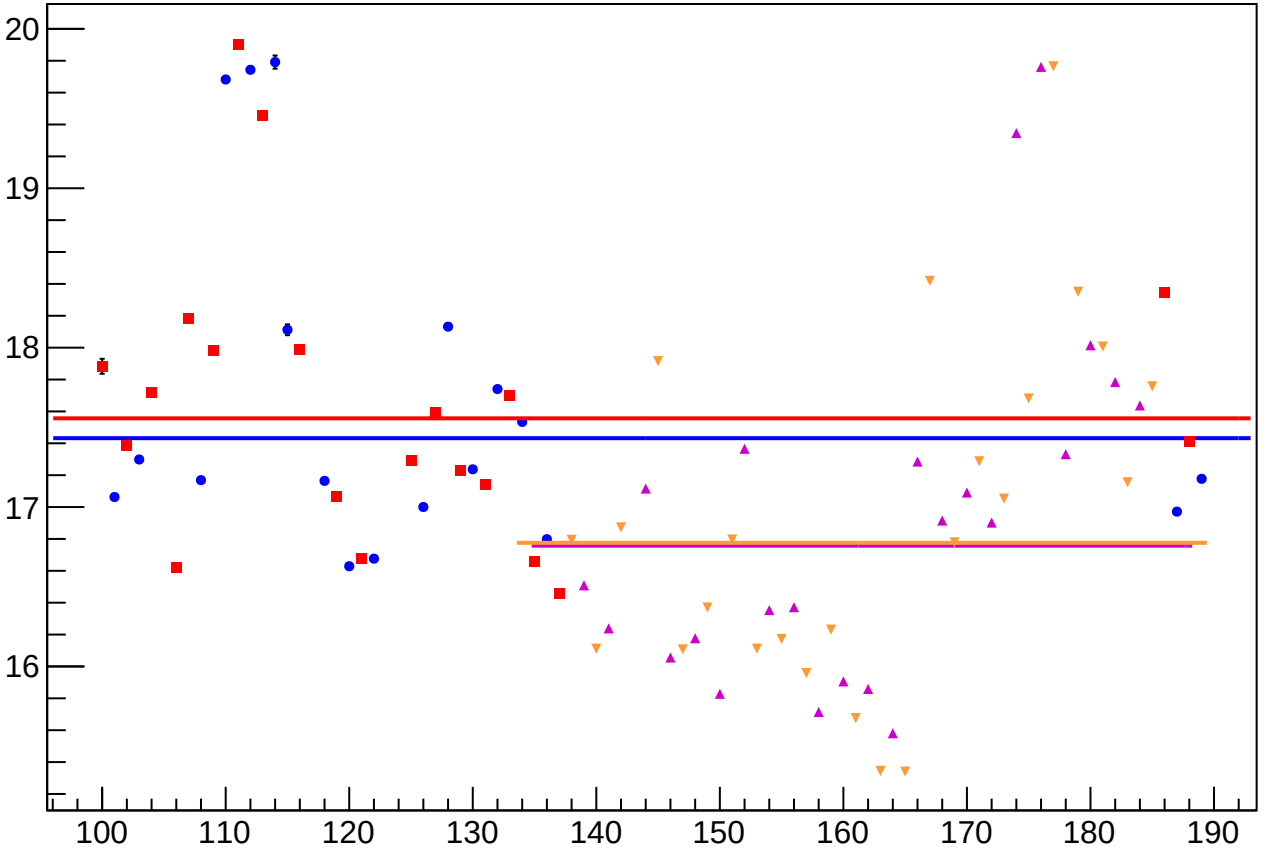
Right: -4.138+/-4.288 χ^2/NDF: 22.6/37

In: 3.021+/-3.314 χ^2/NDF:41.9/40

Out: 0.583+/-3.264 χ^2/NDF:33.2/43

All: 1.784+/-2.326 χ^2/NDF: 75.4/84

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.432+/-0.004 χ^2/NDF: 37209.2/17

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.557+/-0.004 χ^2/NDF: 36151.3/19

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

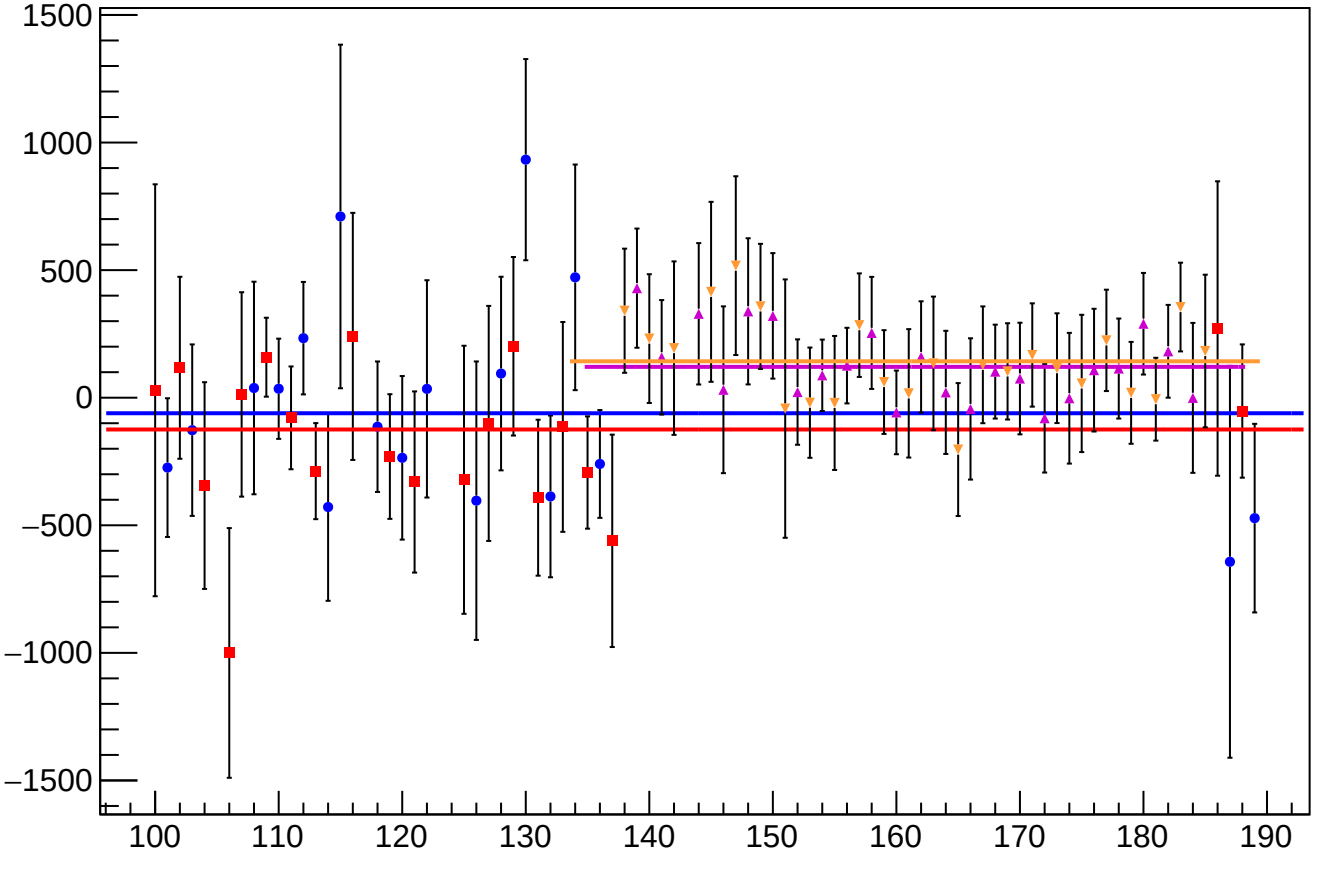
Right: 17.497+/-0.003 χ^2/NDF: 73780.8/37

In: 16.951+/-0.002 χ^2/NDF:177460.0/40

Out: 17.011+/-0.002 χ^2/NDF:196380.3/43

All: 16.982+/-0.002 χ^2/NDF: 374169.0/84

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -60.890+/-74.942 χ^2/NDF: 17.6/17

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -124.526+/-66.410 χ^2/NDF: 13.4/19

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

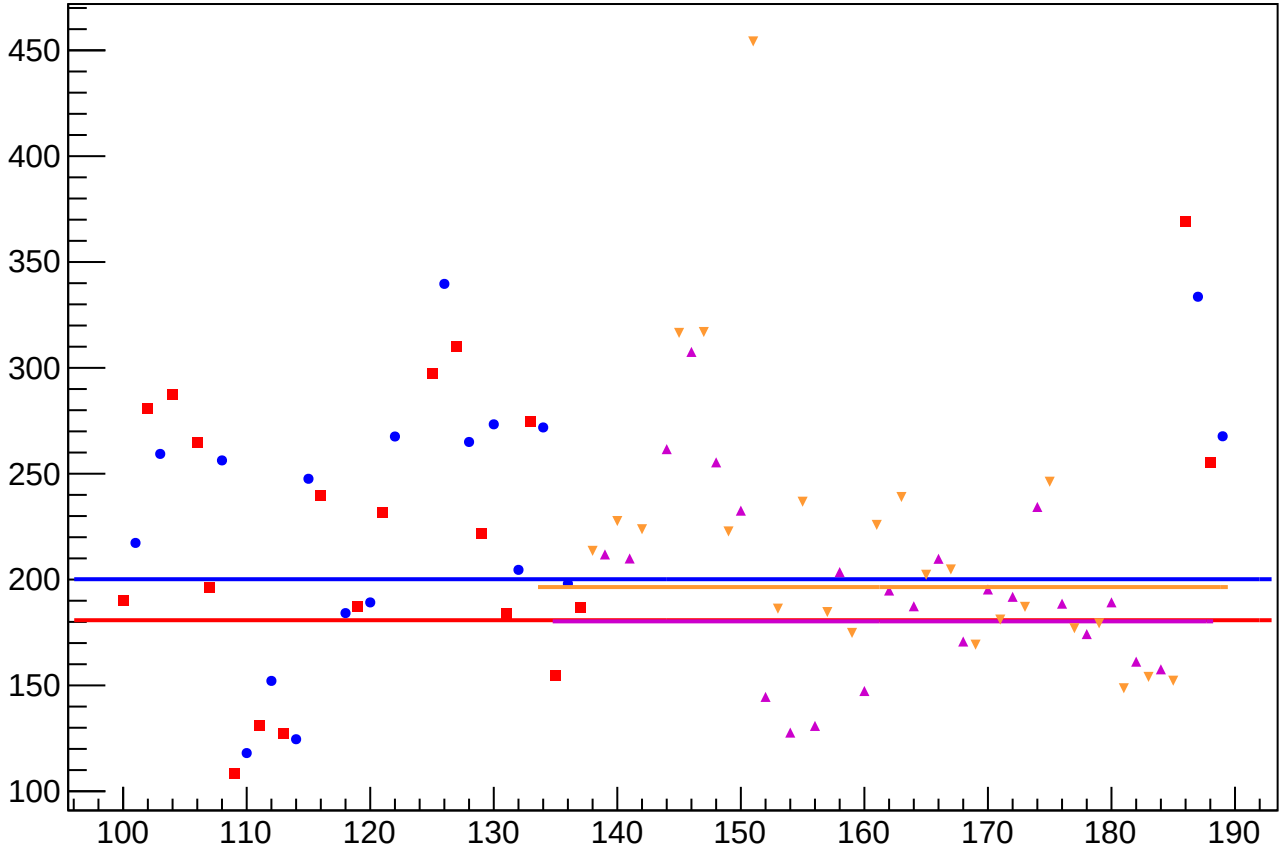
Right: -96.535+/-49.703 χ^2/NDF: 31.3/37

In: 74.299+/-37.940 χ^2/NDF:30.2/40

Out: 52.791+/-38.520 χ^2/NDF:34.3/43

All: 63.708+/-27.030 χ^2/NDF: 64.6/84

asym_bcm_dg_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 200.163+/-0.053 χ^2/NDF: 1144306.6/17

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 180.795+/-0.047 χ^2/NDF: 1944658.4/19

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

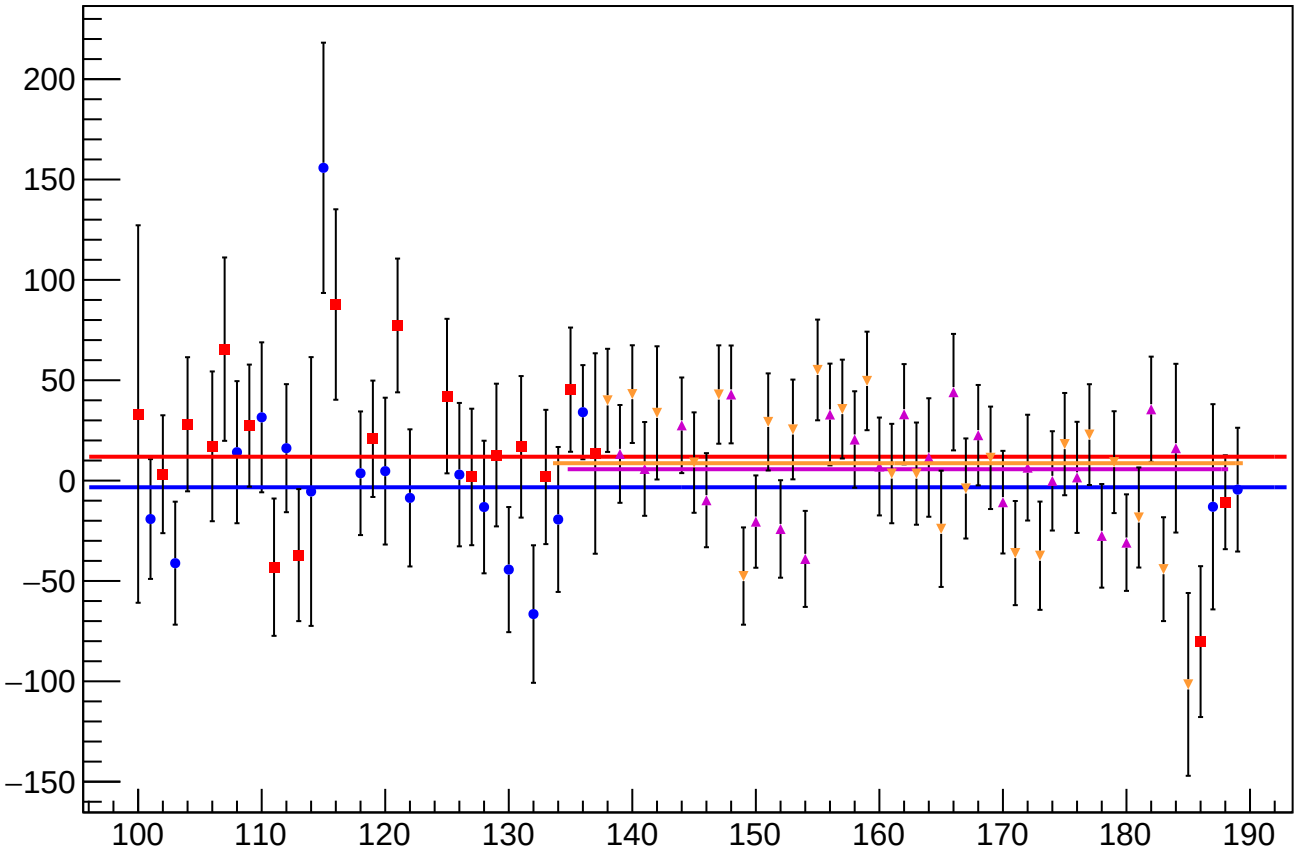
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 189.314+/-0.035 χ^2/NDF: 3163789.8/37

In: 185.352+/-0.027 χ^2/NDF:2877120.6/40

Out: 191.184+/-0.027 χ^2/NDF:3741953.9/43

All: 188.224+/-0.019 χ^2/NDF: 6642346.5/84



Right In: -3.323+/-8.051 χ^2/NDF: 18.0/17

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 11.895+/-7.722 χ^2/NDF: 22.3/19

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

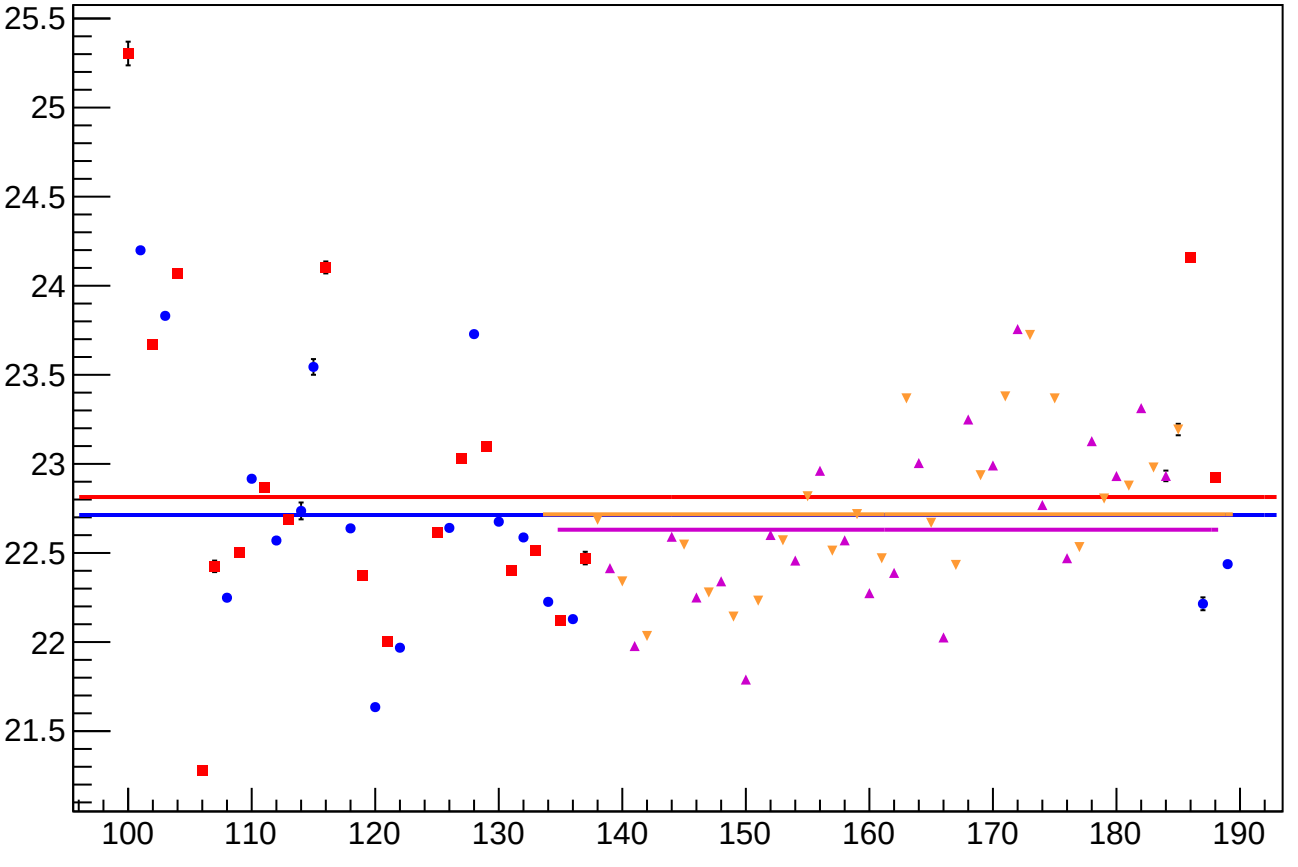
Right: 4.604+/-5.573 χ^2/NDF: 42.1/37

In: 2.960+/-4.419 χ^2/NDF:39.6/40

Out: 9.692+/-4.356 χ^2/NDF:61.6/43

All: 6.375+/-3.102 χ^2/NDF: 102.4/84

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.713+/-0.006 χ^2/NDF: 15005.8/17

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.814+/-0.005 χ^2/NDF: 17185.5/19

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

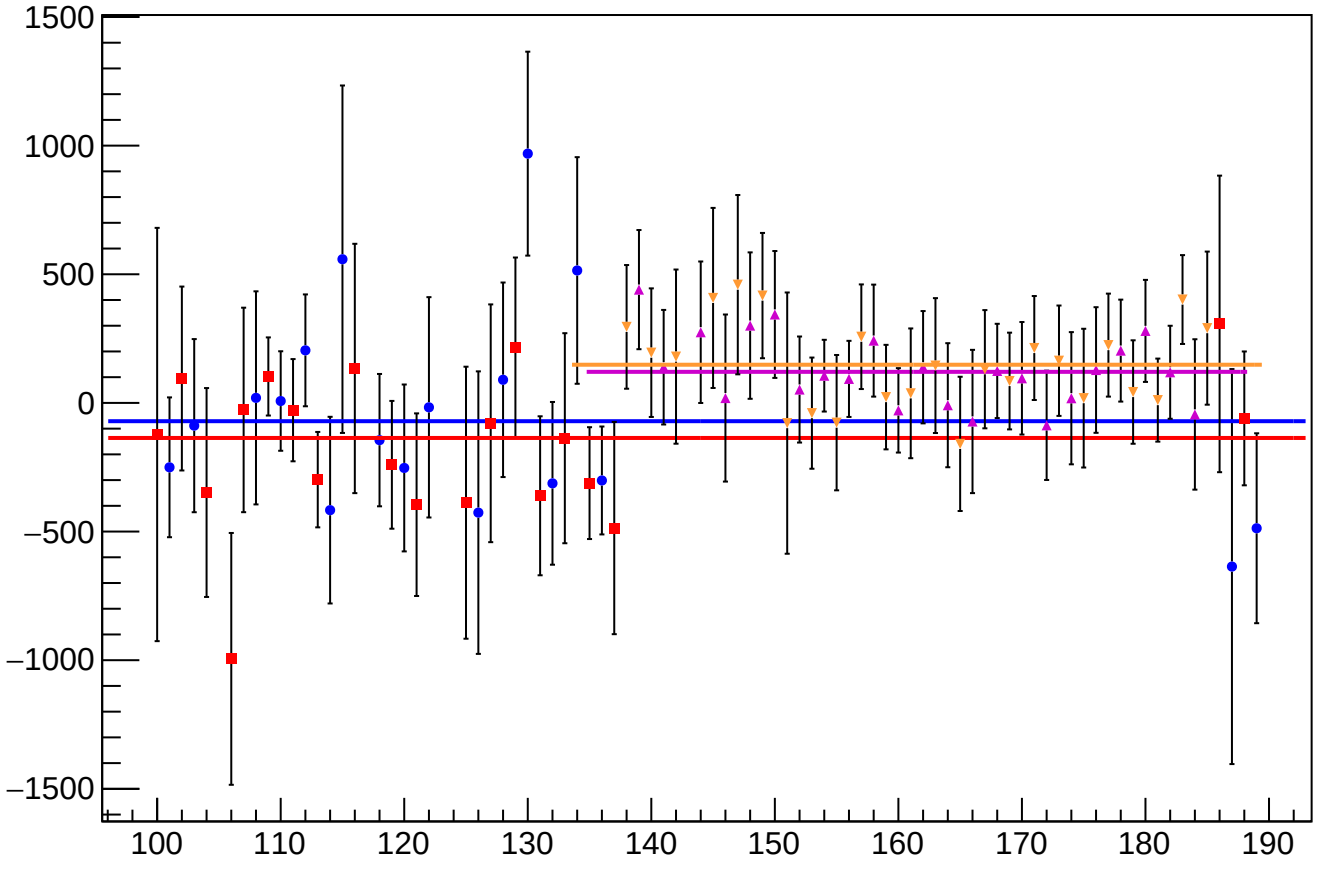
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.766+/-0.004 χ^2/NDF: 32355.0/37

In: 22.655+/-0.003 χ^2/NDF:30544.2/40

Out: 22.748+/-0.003 χ^2/NDF:29578.6/43

All: 22.702+/-0.002 χ^2/NDF: 60566.8/84



Right In: -71.053+/-74.619 χ^2/NDF: 17.3/17

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -136.221+/-65.950 χ^2/NDF: 12.2/19

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

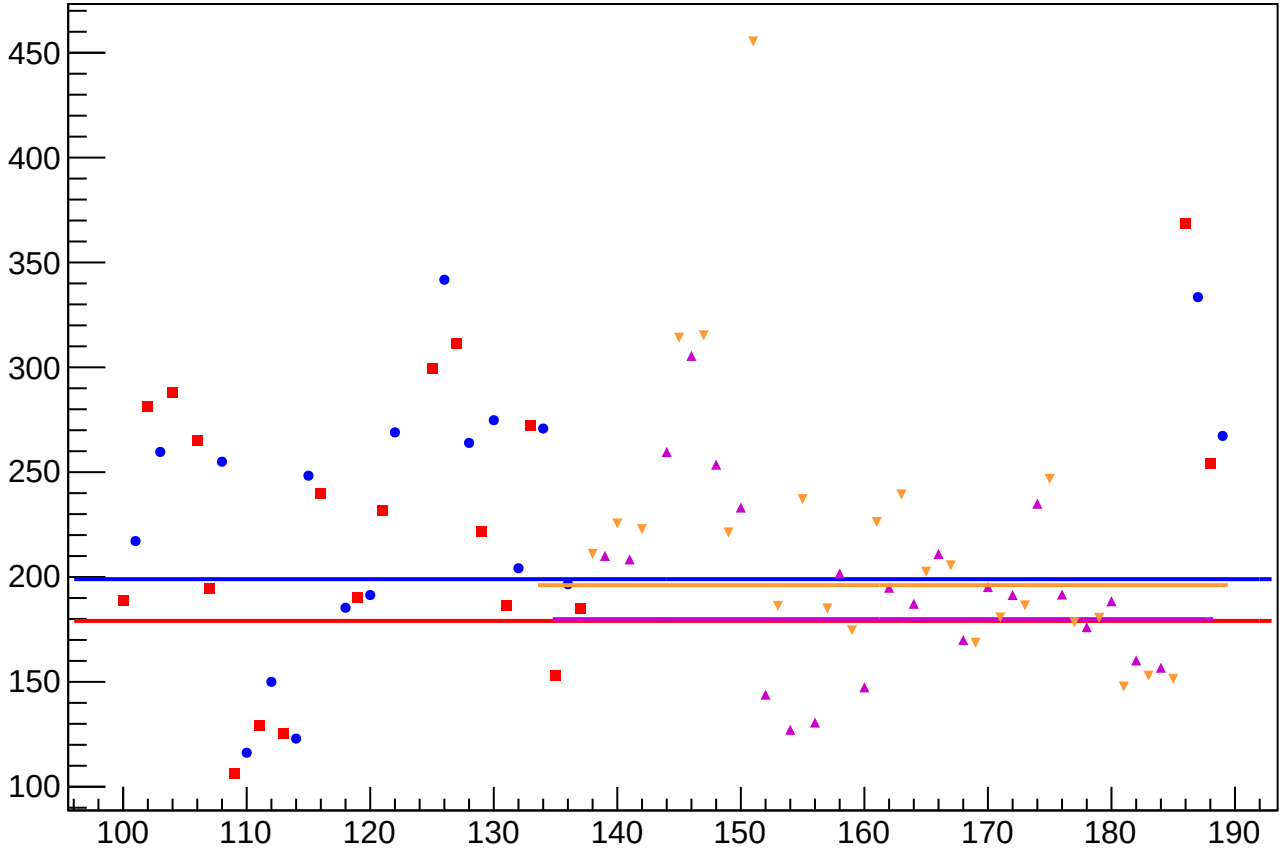
Right: -107.641+/-49.416 χ^2/NDF: 30.0/37

In: 71.407+/-37.850 χ^2/NDF:30.1/40

Out: 51.973+/-38.390 χ^2/NDF:35.5/43

All: 61.827+/-26.953 χ^2/NDF: 65.7/84

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 198.986+/-0.053 χ^2/NDF: 1188435.4/17

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 179.077+/-0.047 χ^2/NDF: 2021524.7/19

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

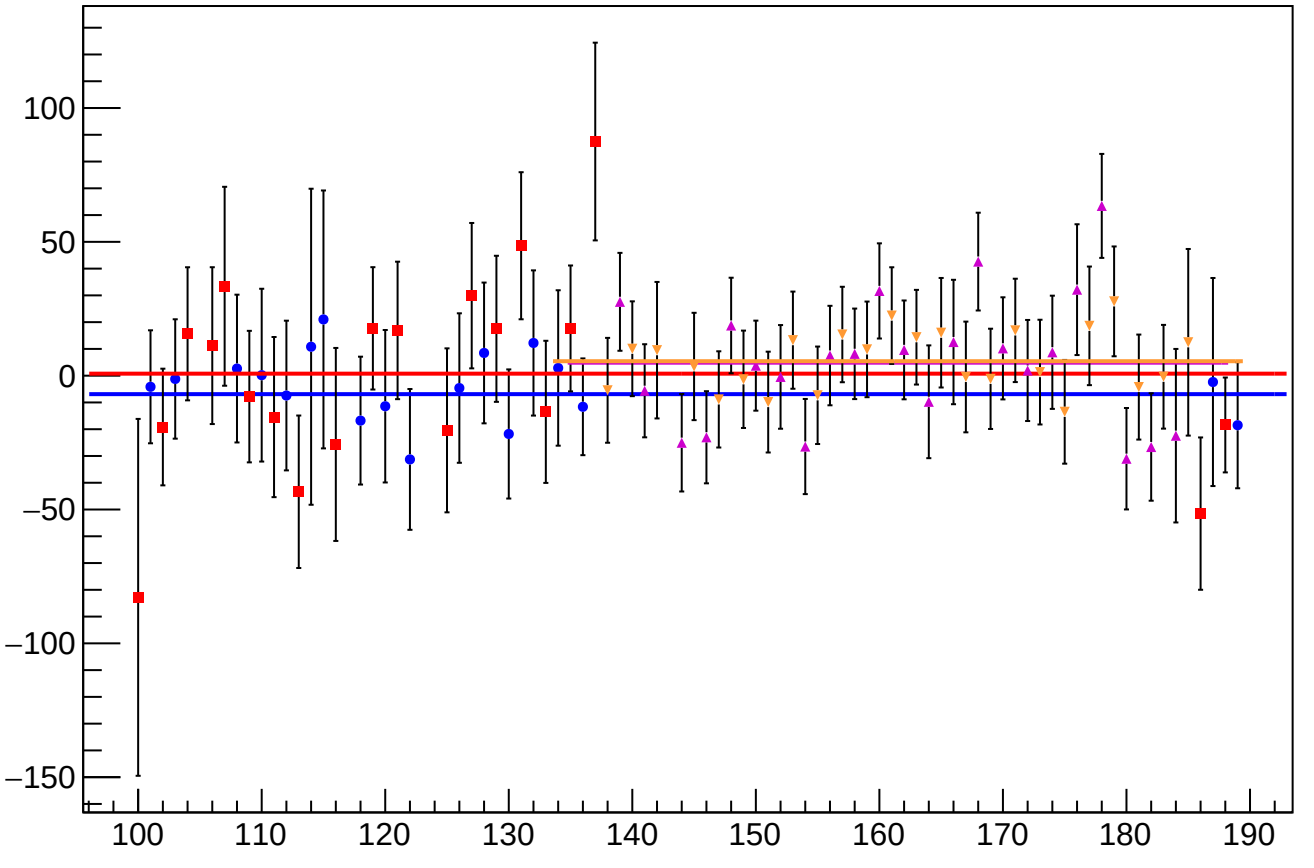
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 187.808+/-0.035 χ^2/NDF: 3289900.9/37

In: 184.828+/-0.027 χ^2/NDF:2909524.0/40

Out: 190.340+/-0.027 χ^2/NDF:3836042.1/43

All: 187.545+/-0.019 χ^2/NDF: 6766469.1/84



Right In: -6.898+/-6.265 χ^2/NDF: 3.4/17

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 0.755+/-6.029 χ^2/NDF: 23.9/19

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

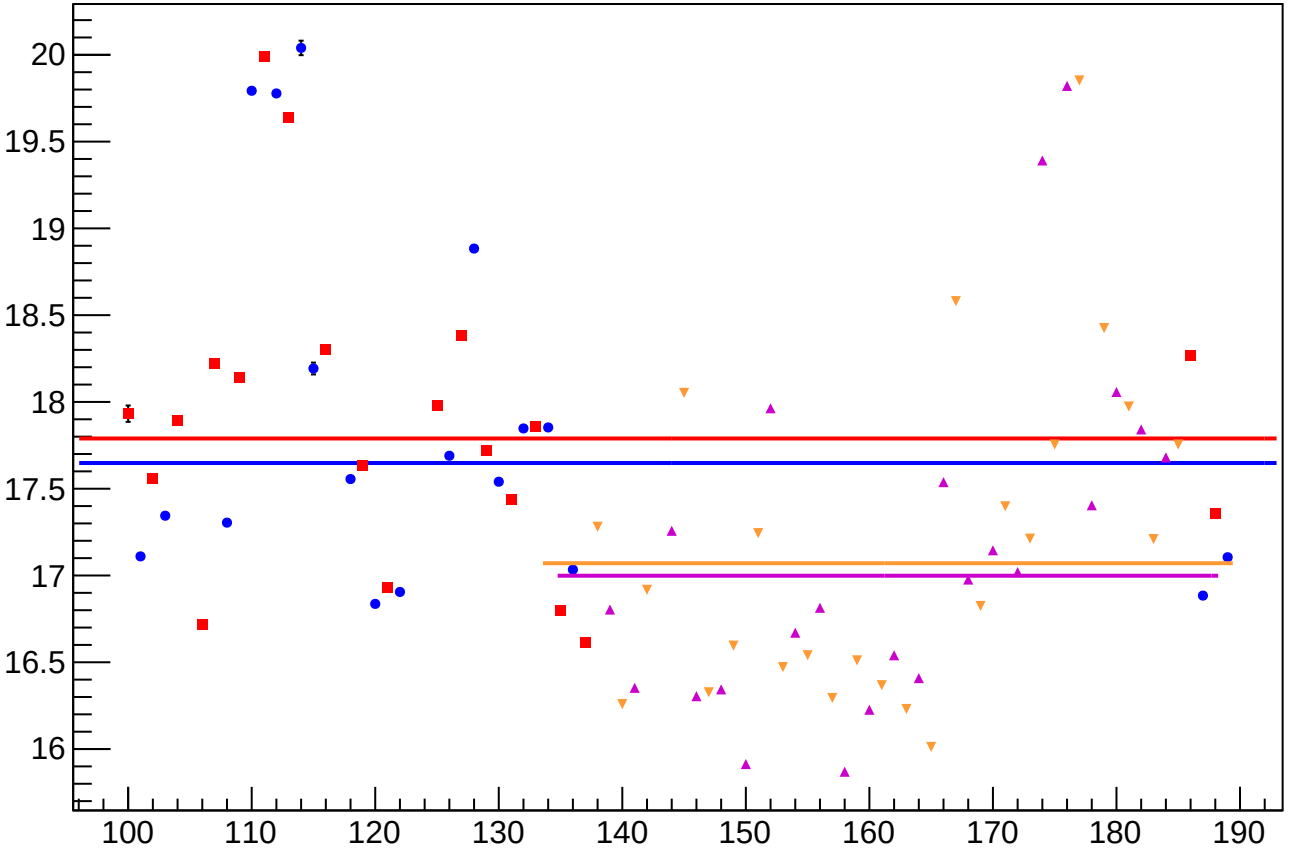
Right: -2.924+/-4.344 χ^2/NDF: 28.0/37

In: 1.478+/-3.360 χ^2/NDF:41.4/40

Out: 3.998+/-3.317 χ^2/NDF:32.1/43

All: 2.754+/-2.360 χ^2/NDF: 73.8/84

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.648+/-0.004 χ^2/NDF: 38009.9/17

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.790+/-0.004 χ^2/NDF: 34305.8/19

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

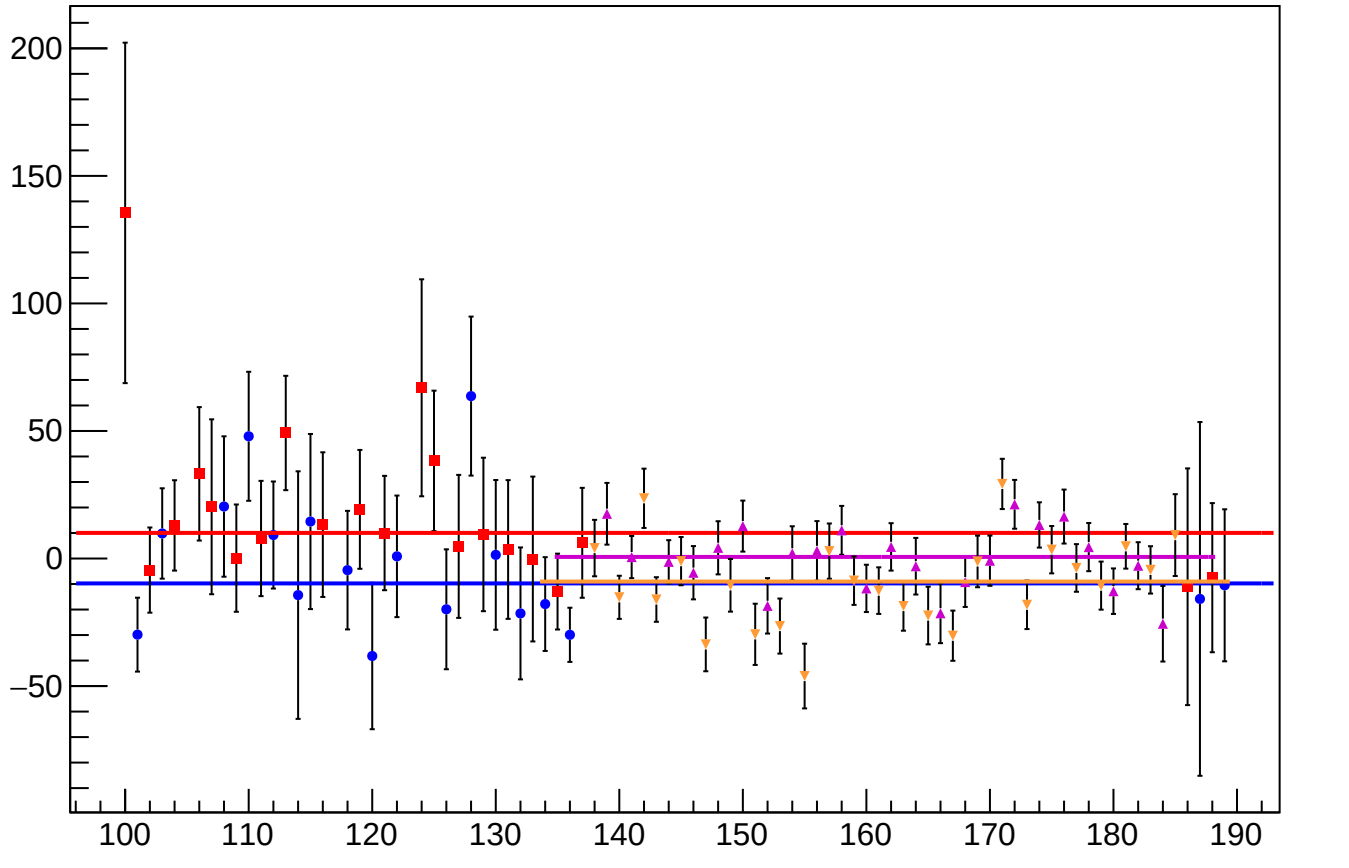
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

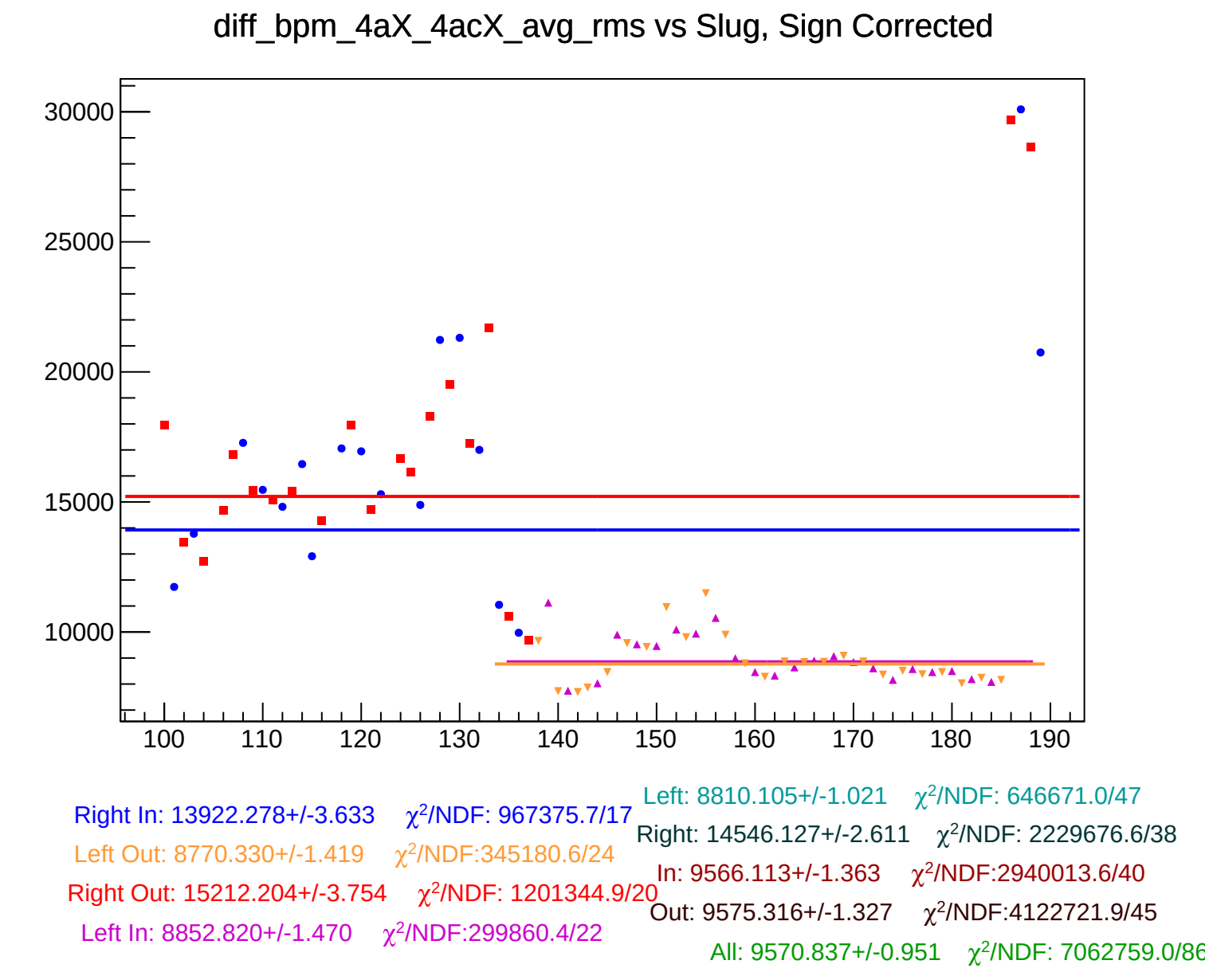
Right: 17.722+/-0.003 χ^2/NDF: 72844.1/37

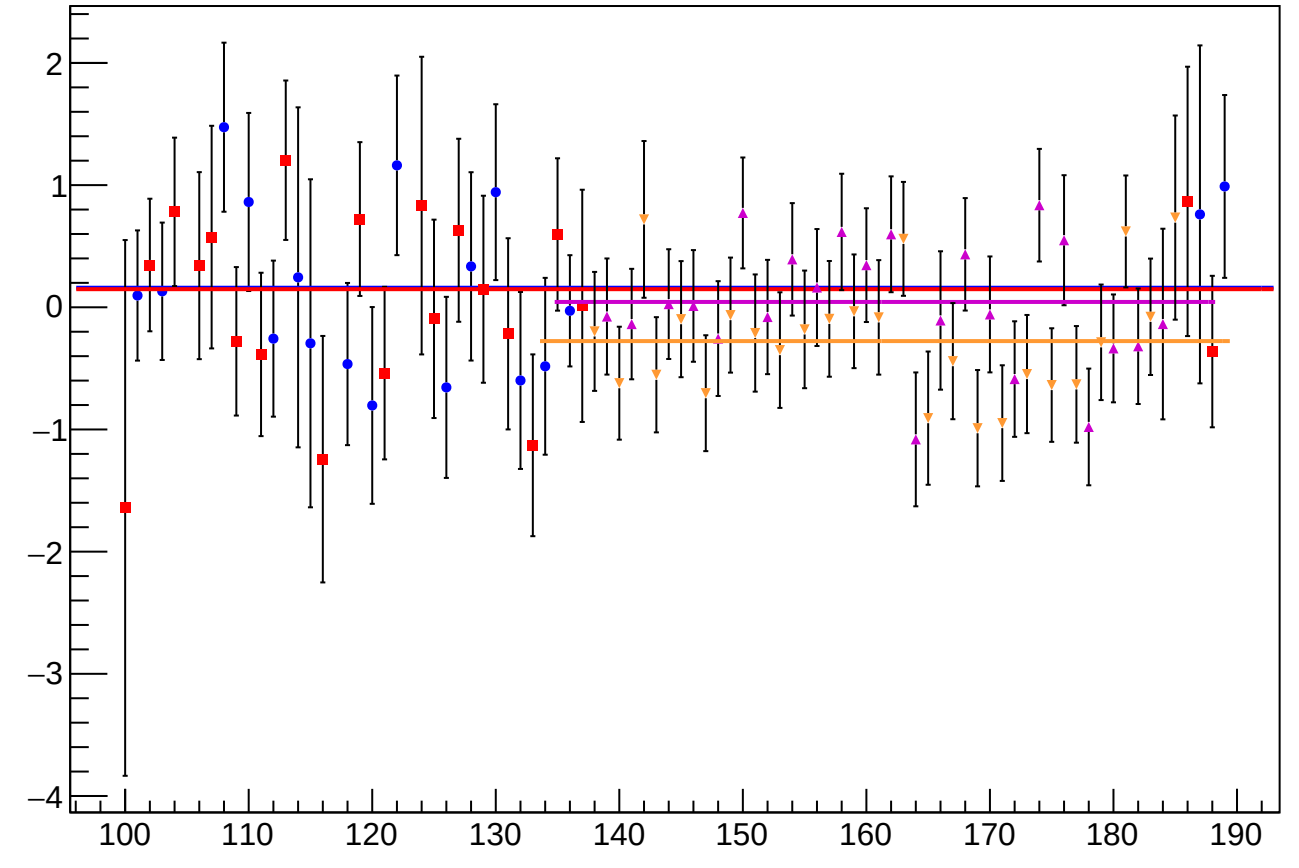
In: 17.185+/-0.002 χ^2/NDF:157340.6/40

Out: 17.288+/-0.002 χ^2/NDF:150443.4/43

All: 17.238+/-0.002 χ^2/NDF: 308732.4/84


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: -9.759+/-5.138 χ²/NDF: 22.0/17
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 10.042+/-5.309 χ²/NDF: 14.7/20
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: -0.183+/-3.692 χ²/NDF: 43.9/38
In: -0.834+/-1.927 χ²/NDF:55.0/40
Out: -6.644+/-1.877 χ²/NDF:88.0/45
All: -3.816+/-1.345 χ²/NDF: 147.6/86


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13922.278+/-3.633 χ²/NDF: 967375.7/17
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 15212.204+/-3.754 χ²/NDF: 1201344.9/20
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 14546.127+/-2.611 χ²/NDF: 2229676.6/38
In: 9566.113+/-1.363 χ²/NDF:2940013.6/40
Out: 9575.316+/-1.327 χ²/NDF:4122721.9/45
All: 9570.837+/-0.951 χ²/NDF: 7062759.0/86



Right In: 0.160+/-0.166 χ^2/NDF: 15.2/17

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.148+/-0.162 χ^2/NDF: 15.2/20

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

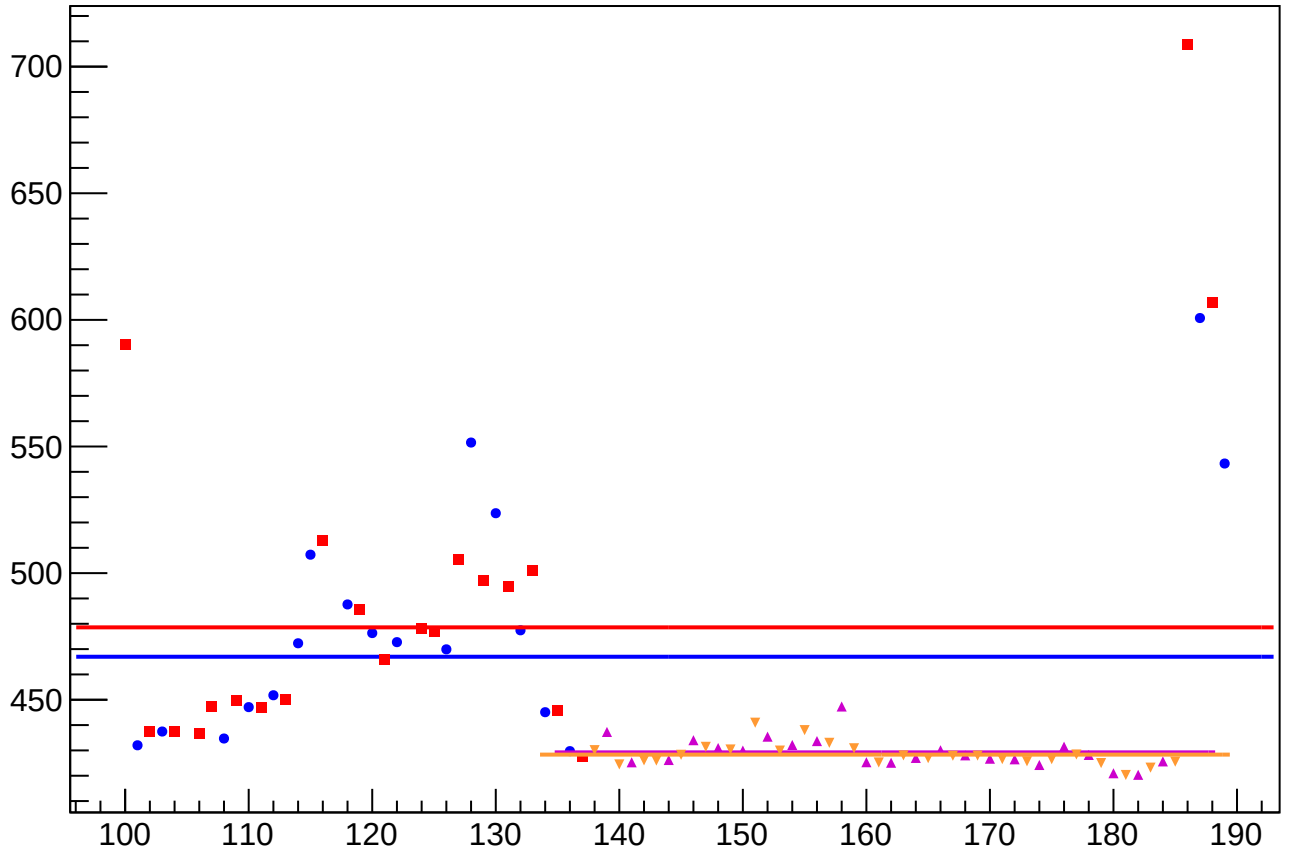
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.154+/-0.116 χ^2/NDF: 30.4/38

In: 0.075+/-0.086 χ^2/NDF:39.4/40

Out: -0.164+/-0.083 χ^2/NDF:41.3/45

All: -0.048+/-0.060 χ^2/NDF: 84.7/86



Right In: 466.985+/-0.117 χ^2/NDF: 116933.9/17

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 478.588+/-0.114 χ^2/NDF: 240619.3/20

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

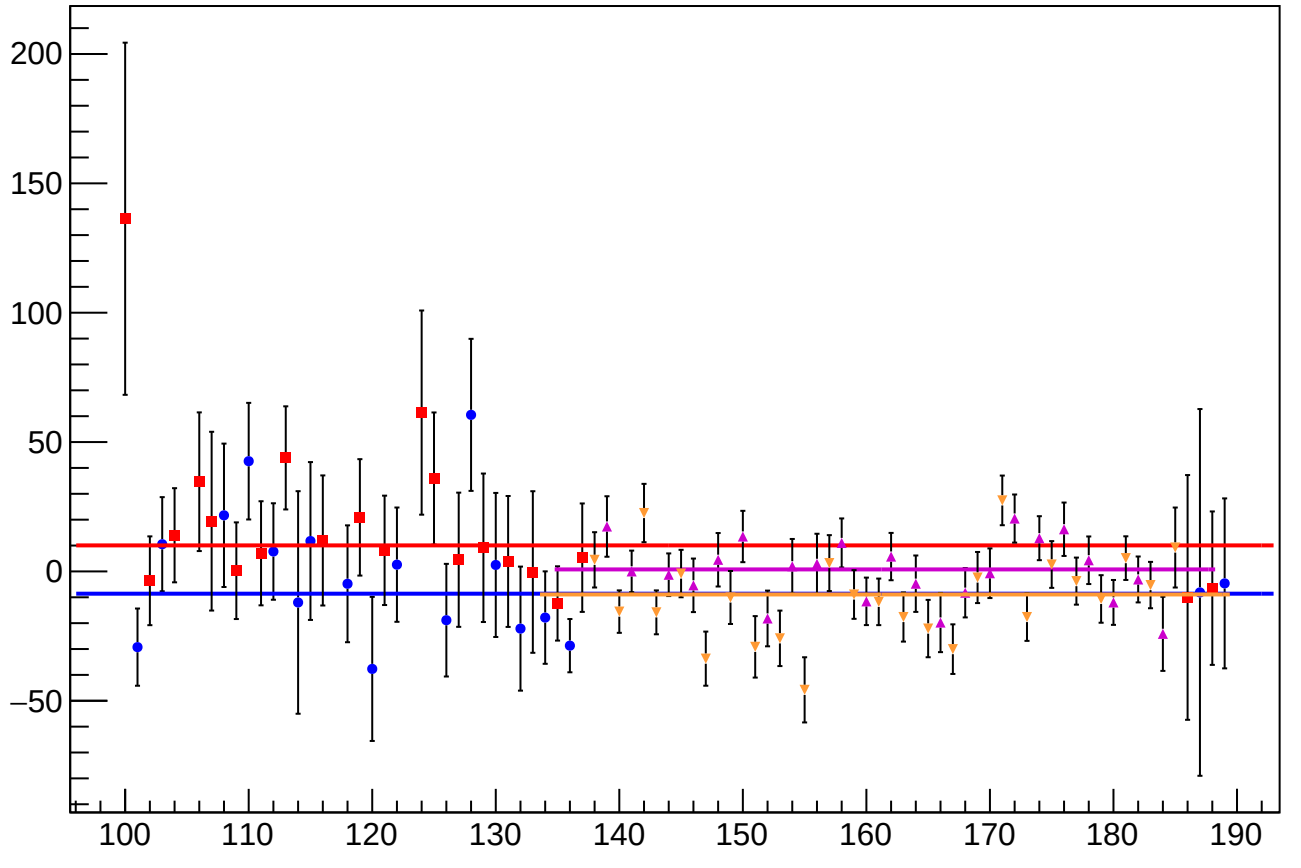
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 472.945+/-0.082 χ^2/NDF: 362563.3/38

In: 439.303+/-0.061 χ^2/NDF:199413.5/40

Out: 441.704+/-0.059 χ^2/NDF:386438.9/45

All: 440.538+/-0.042 χ^2/NDF: 586657.4/86


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
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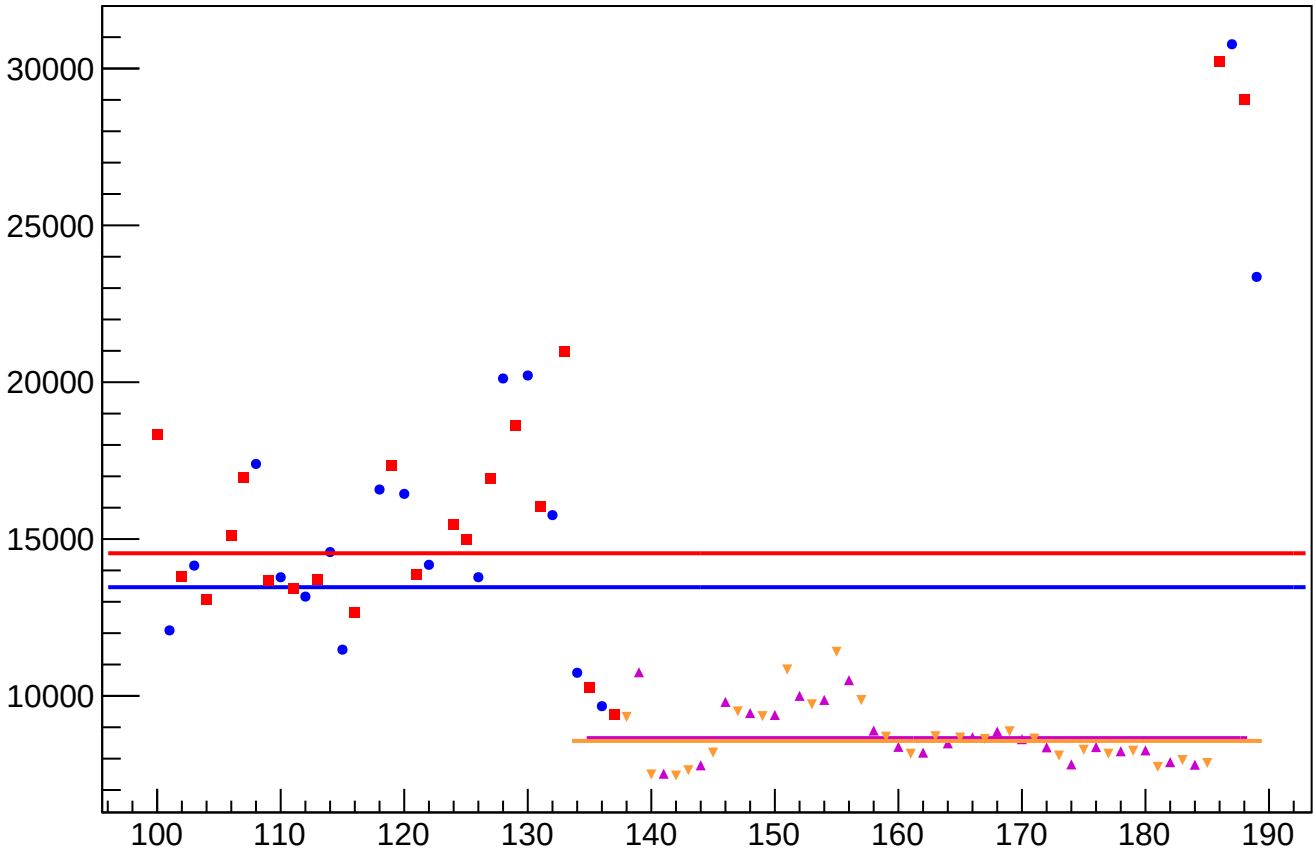
160
170
180
190
Right In: -8.611+/-4.965 χ²/NDF: 22.3/17
Left Out: -8.904+/-1.961 χ²/NDF:61.6/24
Right Out: 10.058+/-5.084 χ²/NDF: 14.4/20
Left In: 0.773+/-2.034 χ²/NDF:29.3/22
Left: -4.243+/-1.412 χ²/NDF: 102.6/47
Right: 0.503+/-3.552 χ²/NDF: 43.6/38
In: -0.576+/-1.882 χ²/NDF:54.6/40
Out: -6.449+/-1.830 χ²/NDF:88.0/45
All: -3.596+/-1.312 χ²/NDF: 147.7/86



Right In: 13465.631+/-3.511 χ^2/NDF: 991258.5/17

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 14547.180+/-3.595 χ^2/NDF: 1236765.2/20

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

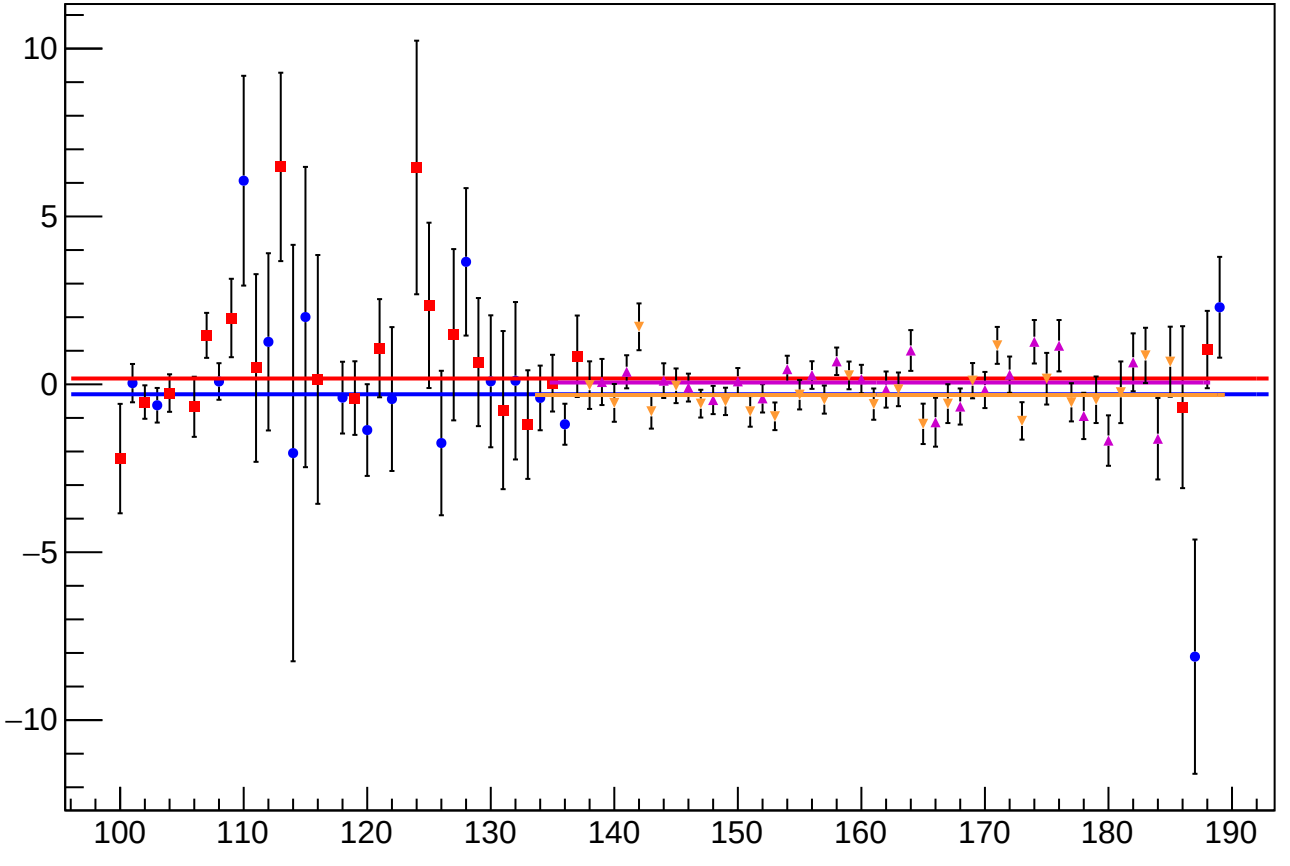
Right: 13993.625+/-2.512 χ^2/NDF: 2274346.9/38

In: 9345.599+/-1.331 χ^2/NDF:2944875.2/40

Out: 9339.105+/-1.294 χ^2/NDF:4048268.8/45

All: 9342.260+/-0.928 χ^2/NDF: 6993156.3/86

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.295+/-0.240 χ^2/NDF: 20.6/17

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.174+/-0.238 χ^2/NDF: 23.2/20

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

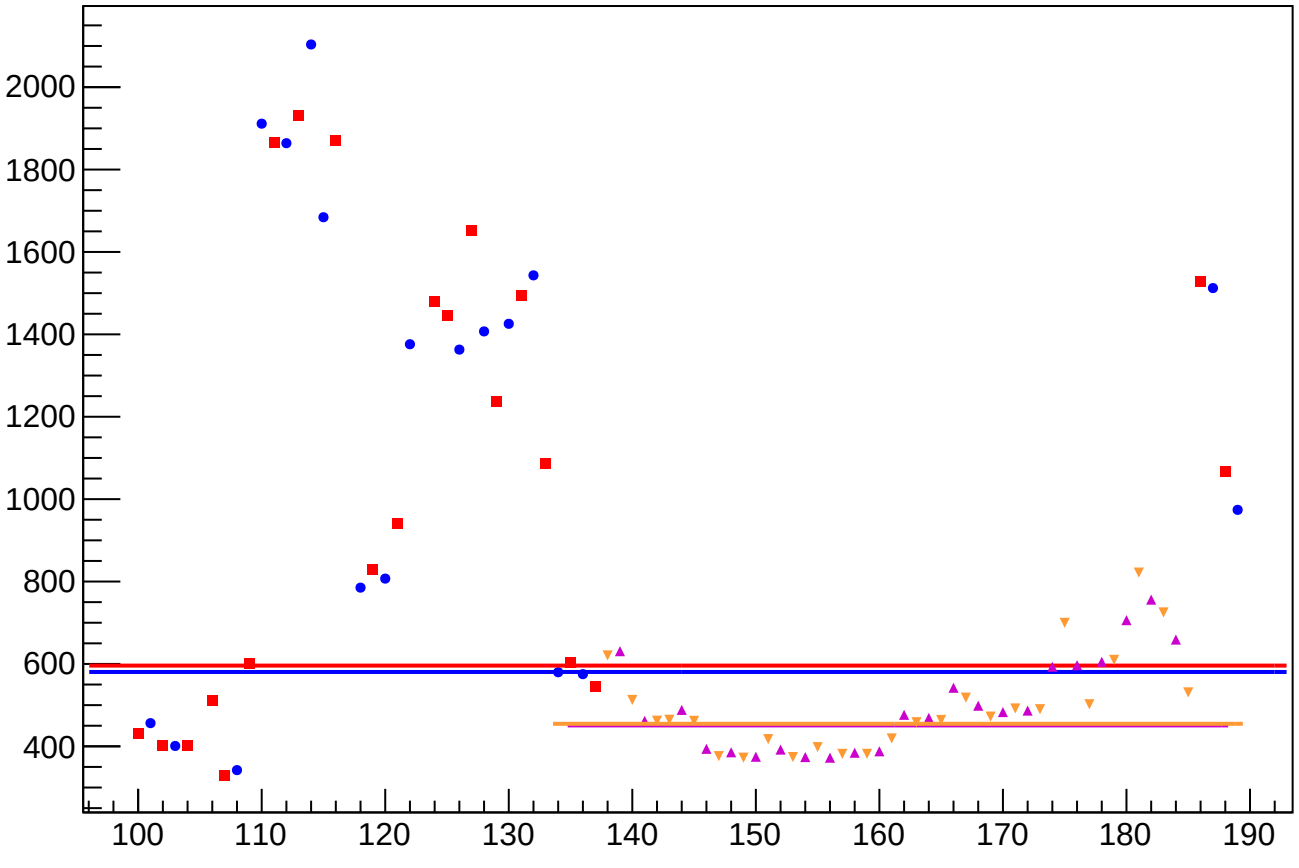
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.058+/-0.169 χ^2/NDF: 45.7/38

In: -0.005+/-0.099 χ^2/NDF:52.1/40

Out: -0.236+/-0.097 χ^2/NDF:59.0/45

All: -0.123+/-0.069 χ^2/NDF: 114.0/86



Right In: 580.502+/-0.170 χ^2/NDF: 3738187.2/17

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 595.975+/-0.168 χ^2/NDF: 4236201.8/20

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

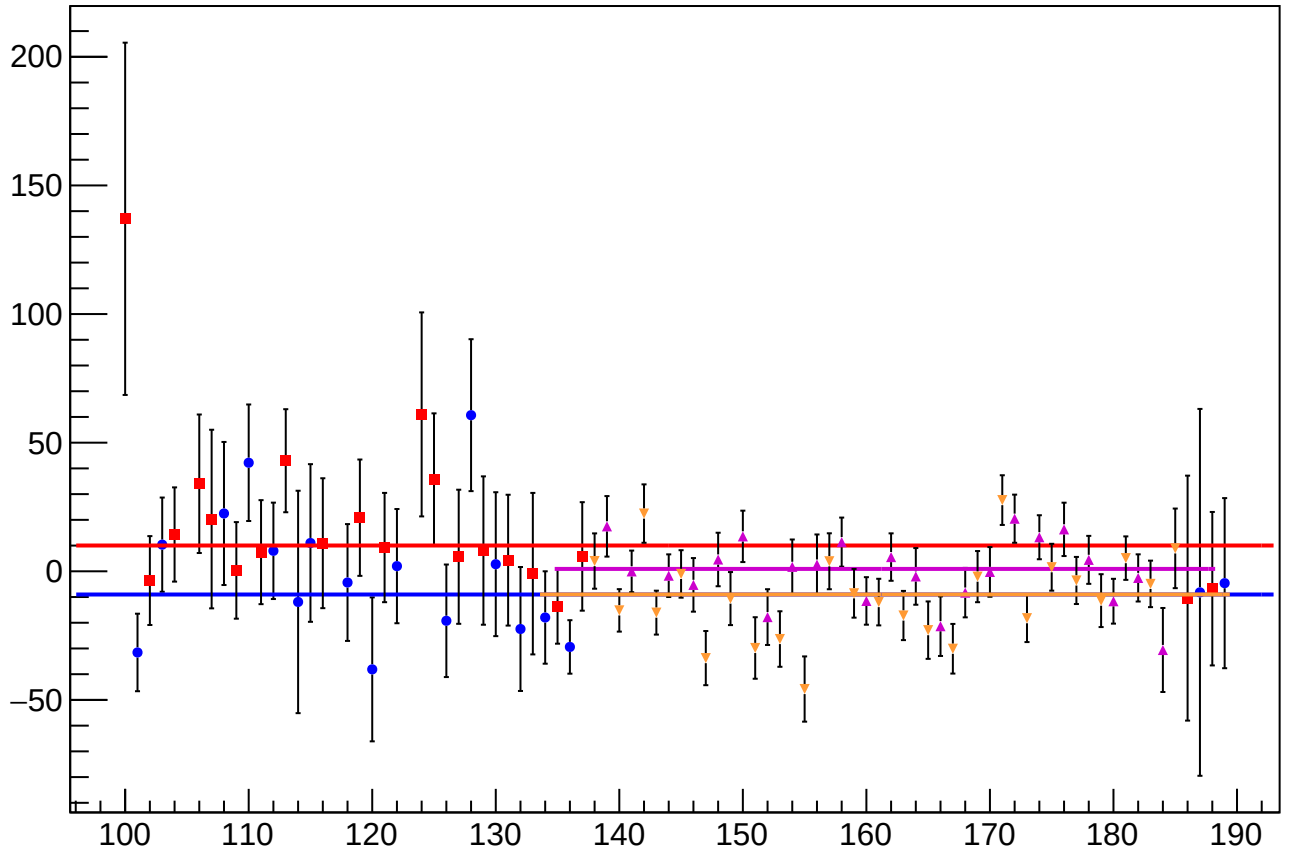
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 588.319+/-0.120 χ^2/NDF: 7978575.8/38

In: 472.602+/-0.070 χ^2/NDF:5694173.5/40

Out: 478.093+/-0.068 χ^2/NDF:6276183.3/45

All: 475.398+/-0.049 χ^2/NDF: 11973514.8/86


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
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0
−50
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130
140
150
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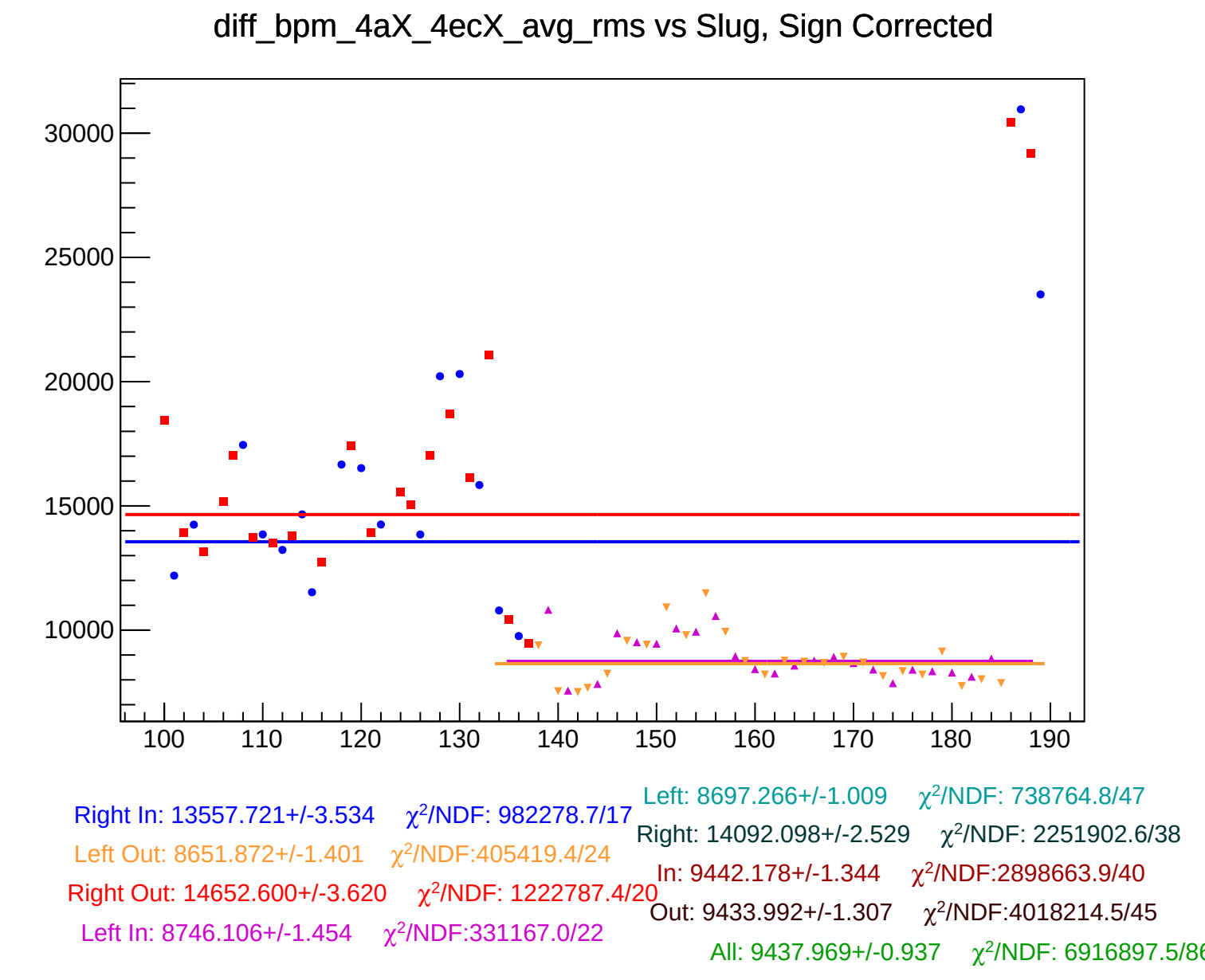
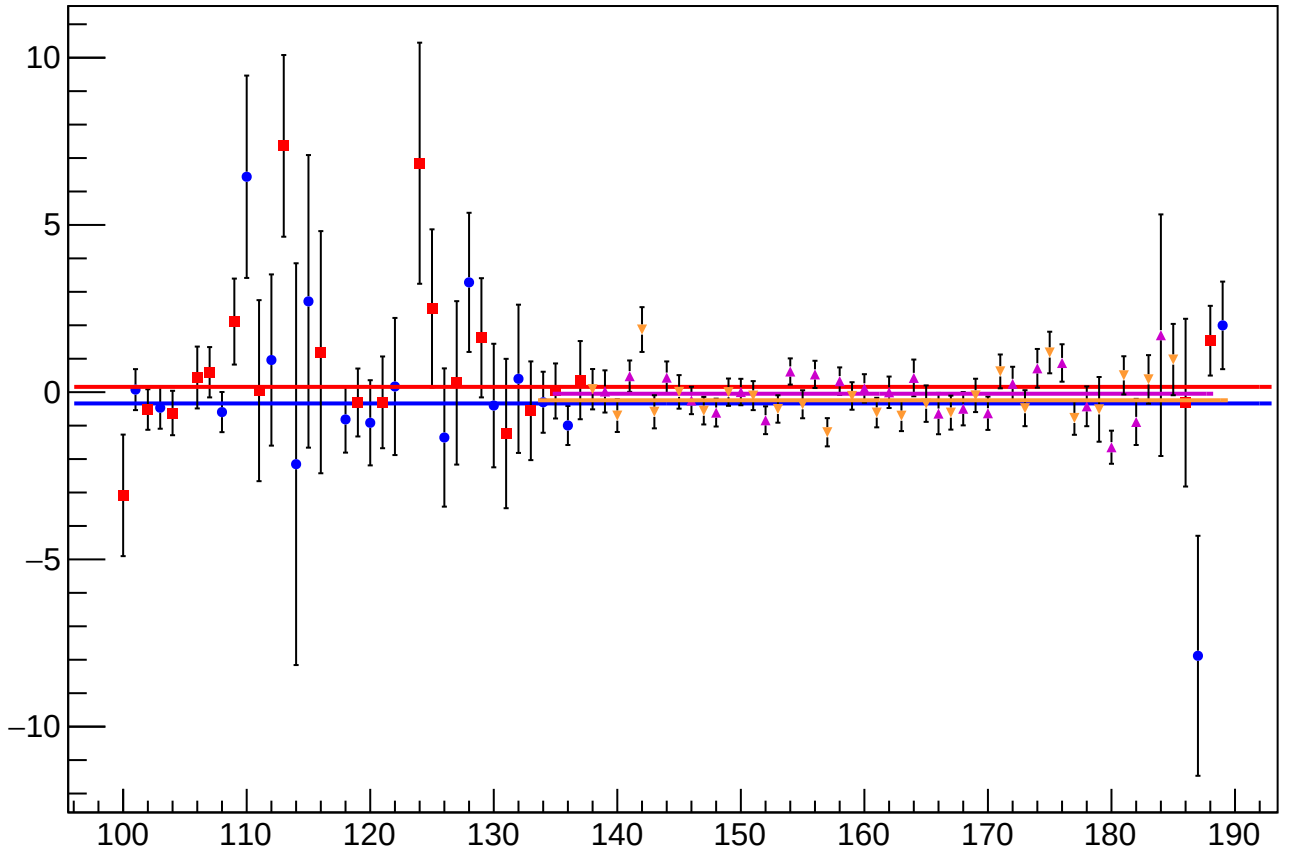
170
180
190
Right In: -9.022+/-4.998 χ²/NDF: 22.8/17
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 10.026+/-5.119 χ²/NDF: 14.2/20
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 0.274+/-3.576 χ²/NDF: 44.1/38
In: -0.514+/-1.901 χ²/NDF:56.0/40
Out: -6.521+/-1.848 χ²/NDF:87.5/45
All: -3.602+/-1.325 χ²/NDF: 148.6/86


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13557.721+/-3.534 χ²/NDF: 982278.7/17
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 14652.600+/-3.620 χ²/NDF: 1222787.4/20
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 14092.098+/-2.529 χ²/NDF: 2251902.6/38
In: 9442.178+/-1.344 χ²/NDF:2898663.9/40
Out: 9433.992+/-1.307 χ²/NDF:4018214.5/45
All: 9437.969+/-0.937 χ²/NDF: 6916897.5/86



Right In: -0.337+/-0.250 χ^2/NDF: 19.3/17

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.158+/-0.255 χ^2/NDF: 23.6/20

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

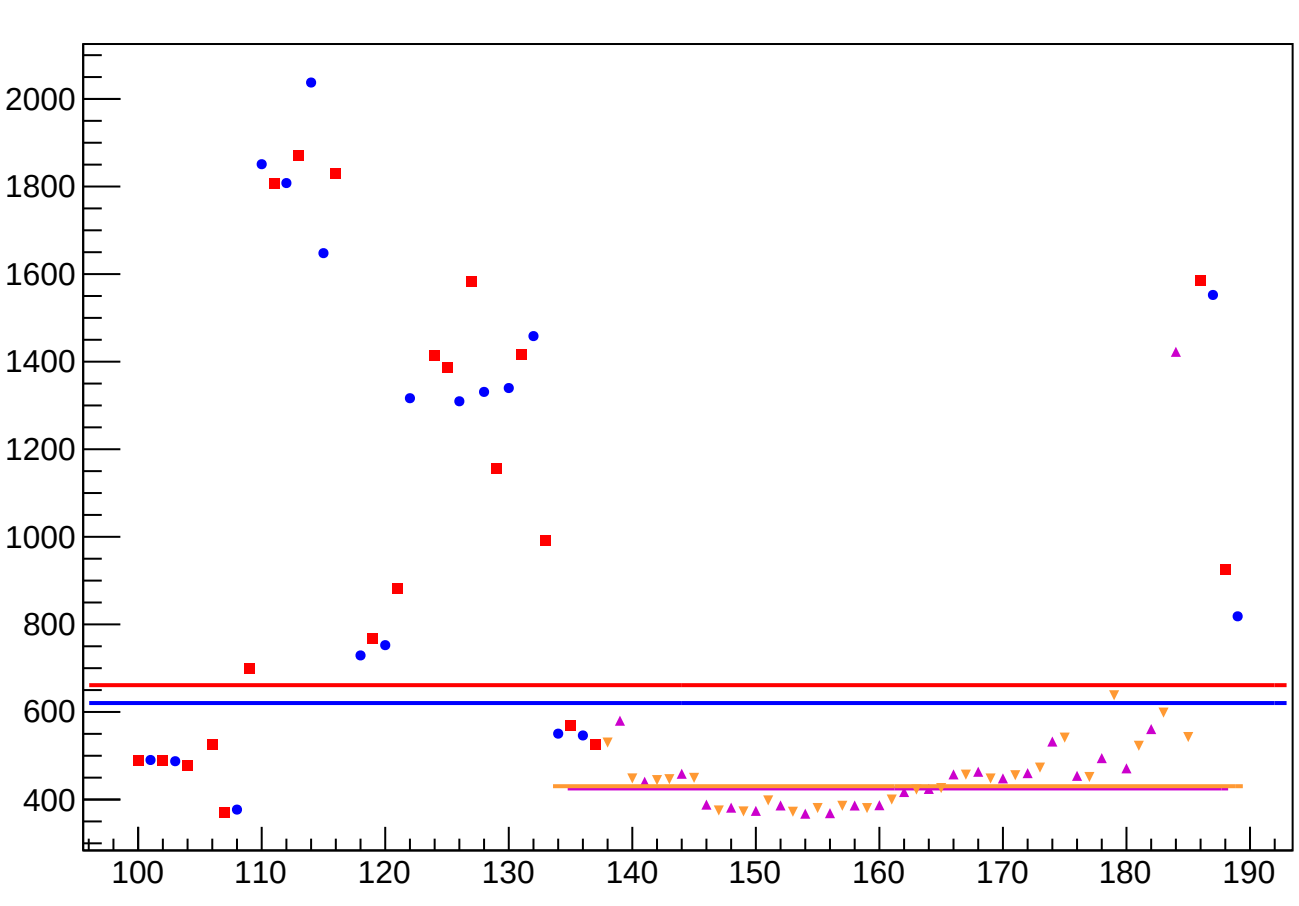
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.094+/-0.179 χ^2/NDF: 44.8/38

In: -0.088+/-0.094 χ^2/NDF:55.5/40

Out: -0.189+/-0.093 χ^2/NDF:60.0/45

All: -0.139+/-0.066 χ^2/NDF: 116.1/86



Right In: 620.354+/-0.177 χ^2/NDF: 3038091.9/17

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 661.209+/-0.180 χ^2/NDF: 3210587.2/20

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

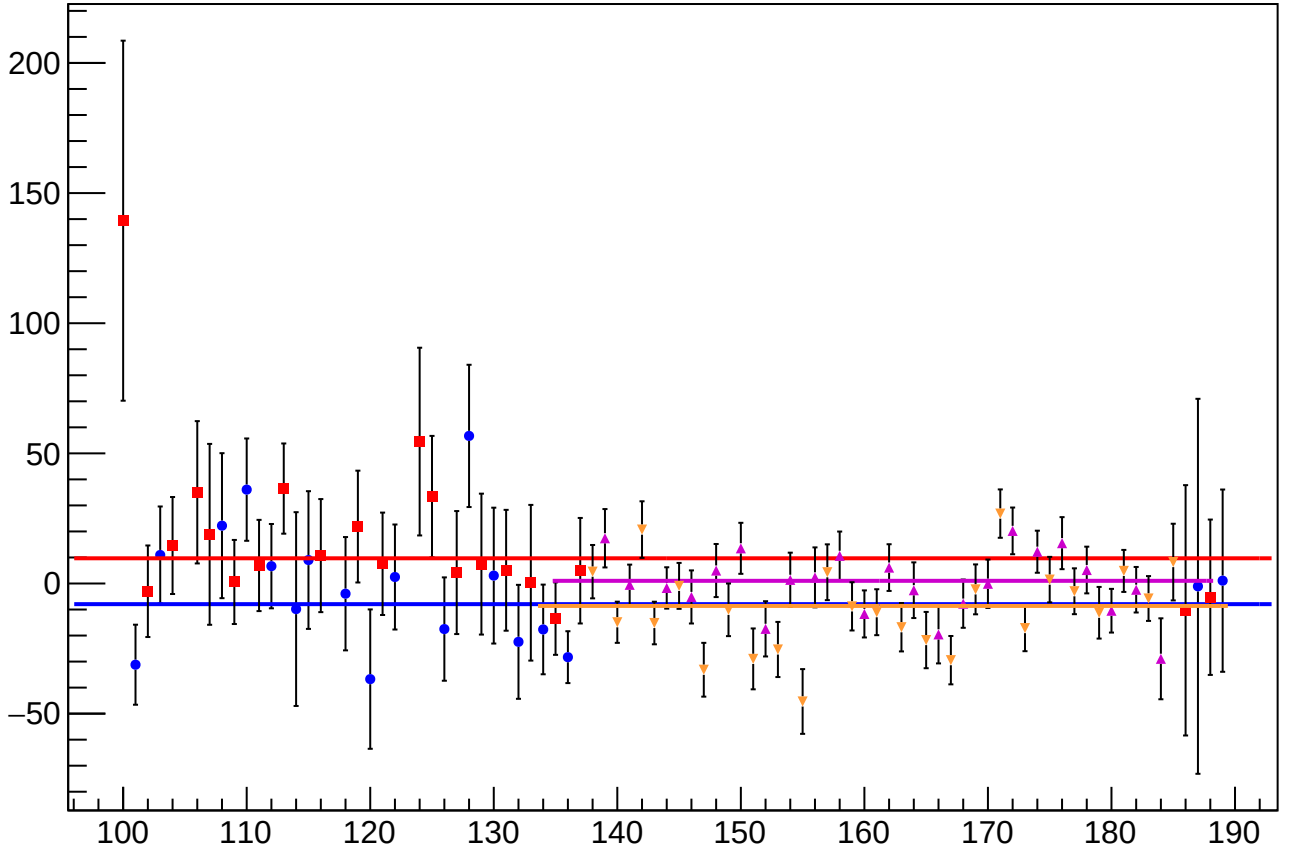
Right: 640.400+/-0.126 χ^2/NDF: 6274814.1/38

In: 452.886+/-0.067 χ^2/NDF:4797380.1/40

Out: 461.295+/-0.066 χ^2/NDF:5276975.4/45

All: 457.129+/-0.047 χ^2/NDF: 10082409.5/86

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -7.934+/-4.725 χ^2/NDF: 23.2/17

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 9.684+/-4.786 χ^2/NDF: 14.1/20

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

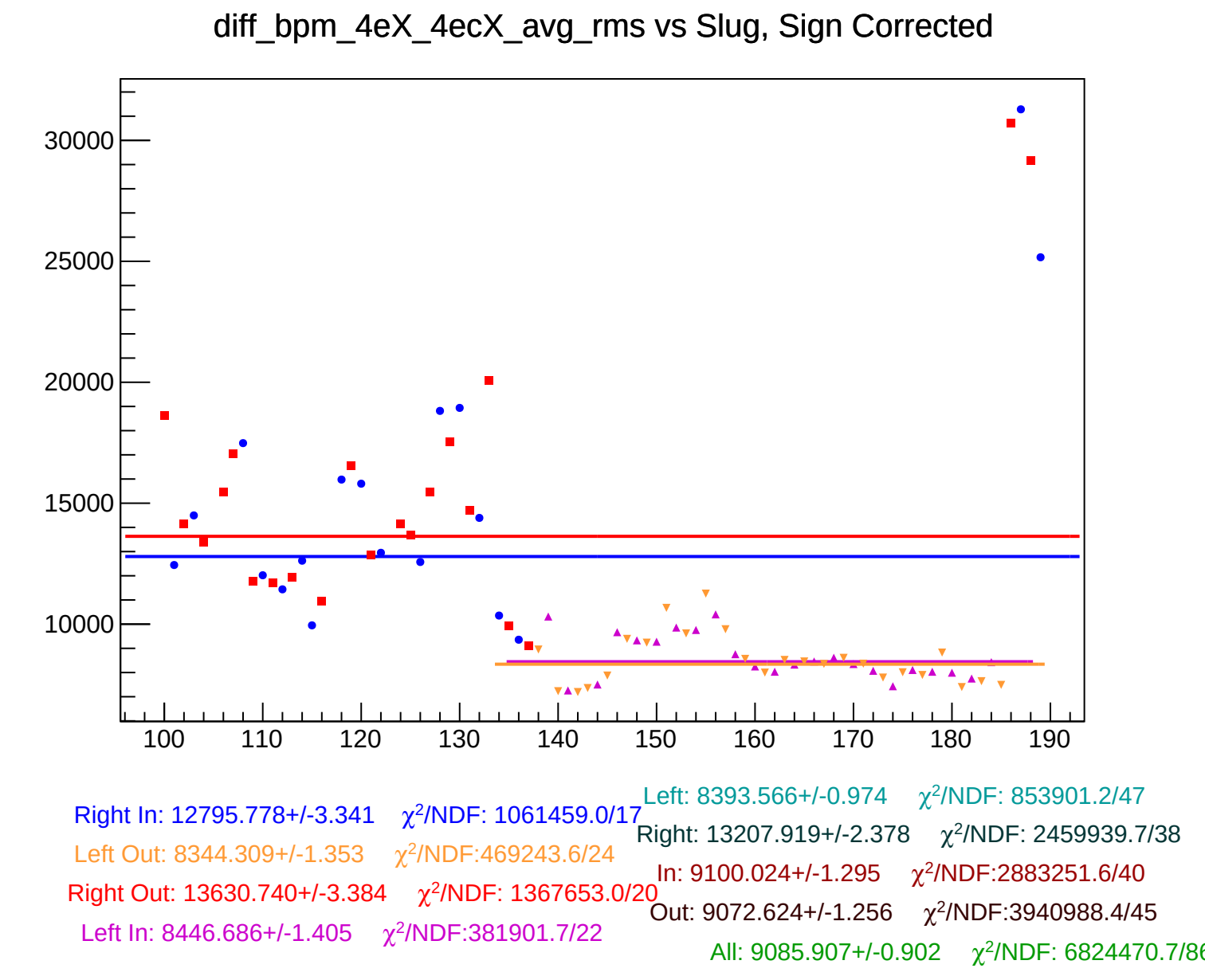
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

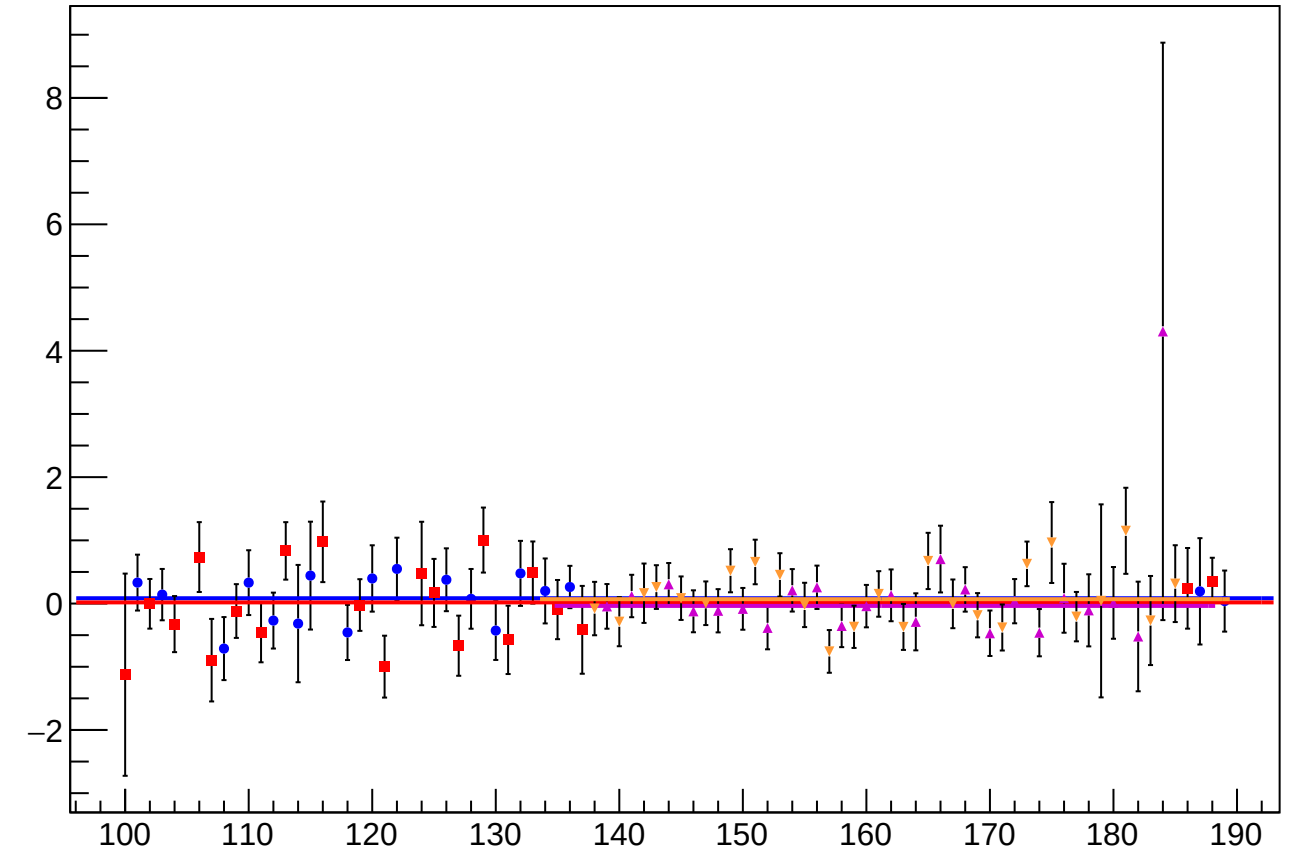
Right: 0.762+/-3.362 χ^2/NDF: 44.2/38

In: -0.319+/-1.831 χ^2/NDF:56.0/40

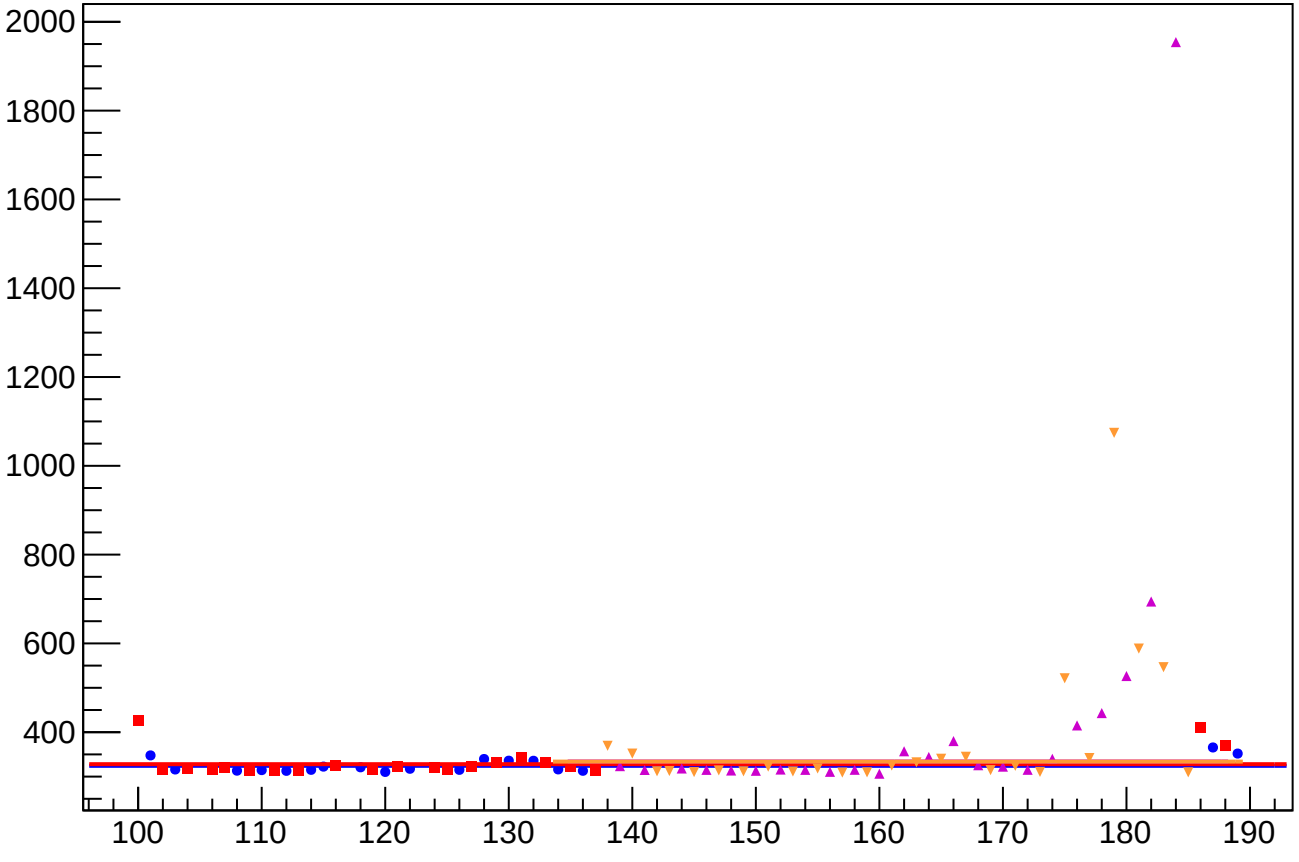
Out: -6.101+/-1.776 χ^2/NDF:88.4/45

All: -3.298+/-1.275 χ^2/NDF: 149.5/86


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 12795.778+/-3.341 χ²/NDF: 1061459.0/17
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 13630.740+/-3.384 χ²/NDF: 1367653.0/20
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 13207.919+/-2.378 χ²/NDF: 2459939.7/38
In: 9100.024+/-1.295 χ²/NDF:2883251.6/40
Out: 9072.624+/-1.256 χ²/NDF:3940988.4/45
All: 9085.907+/-0.902 χ²/NDF: 6824470.7/86


diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.084+/-0.116 χ²/NDF: 9.4/17
Left Out: 0.069+/-0.079 χ²/NDF:28.2/24
Right Out: 0.018+/-0.111 χ²/NDF: 25.3/20
Left In: -0.037+/-0.081 χ²/NDF:11.7/22
Left: 0.017+/-0.057 χ²/NDF: 40.8/47
Right: 0.050+/-0.080 χ²/NDF: 34.8/38
In: 0.003+/-0.066 χ²/NDF:21.8/40
Out: 0.052+/-0.064 χ²/NDF:53.6/45
All: 0.028+/-0.046 χ²/NDF: 75.7/86

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 324.278+/-0.082 χ^2/NDF: 30475.8/17

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 327.978+/-0.078 χ^2/NDF: 81776.7/20

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

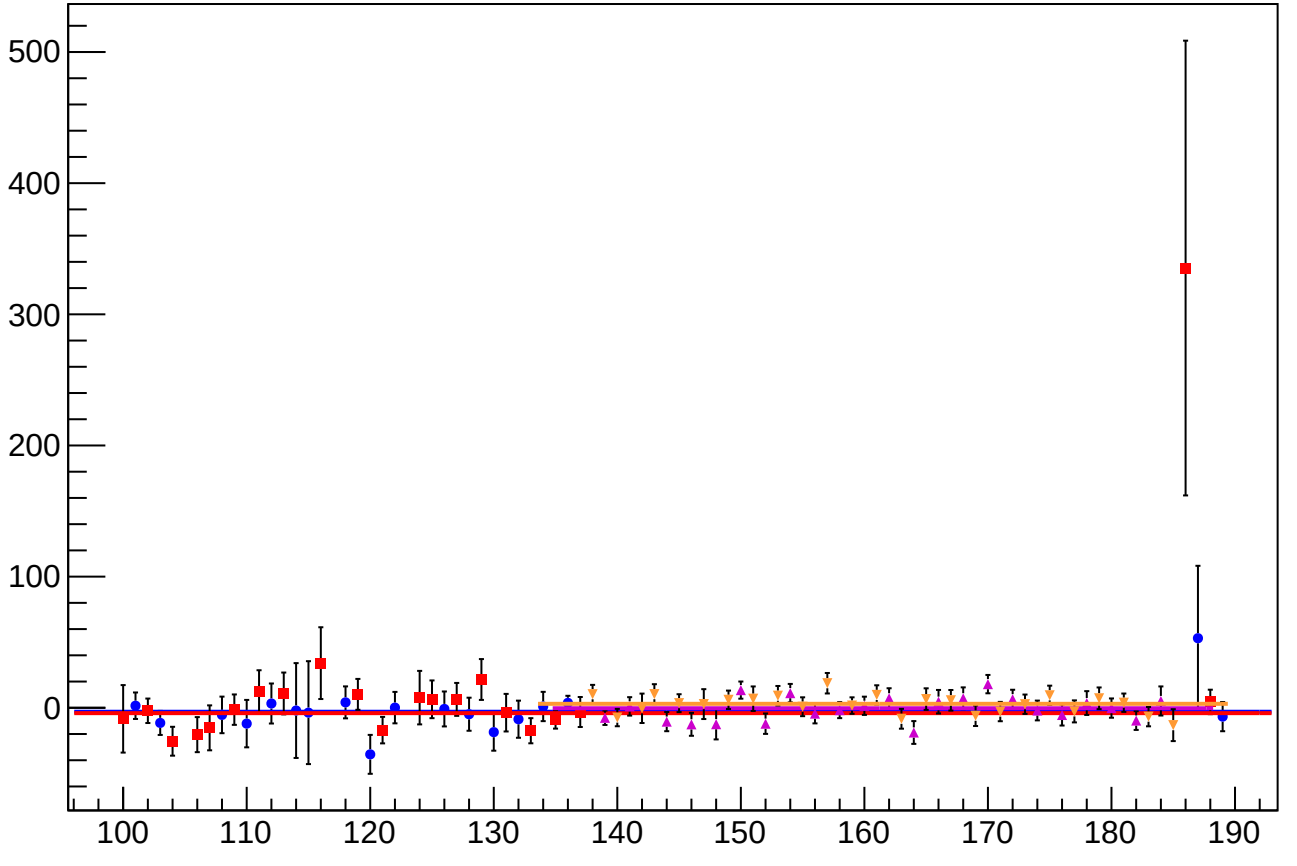
Right: 326.210+/-0.056 χ^2/NDF: 113323.9/38

In: 330.786+/-0.047 χ^2/NDF:1090924.6/40

Out: 331.818+/-0.045 χ^2/NDF:1302685.1/45

All: 331.318+/-0.033 χ^2/NDF: 2393859.6/86

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: -3.019+/-2.812 χ^2/NDF: 11.0/17

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -4.092+/-2.702 χ^2/NDF: 24.2/20

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

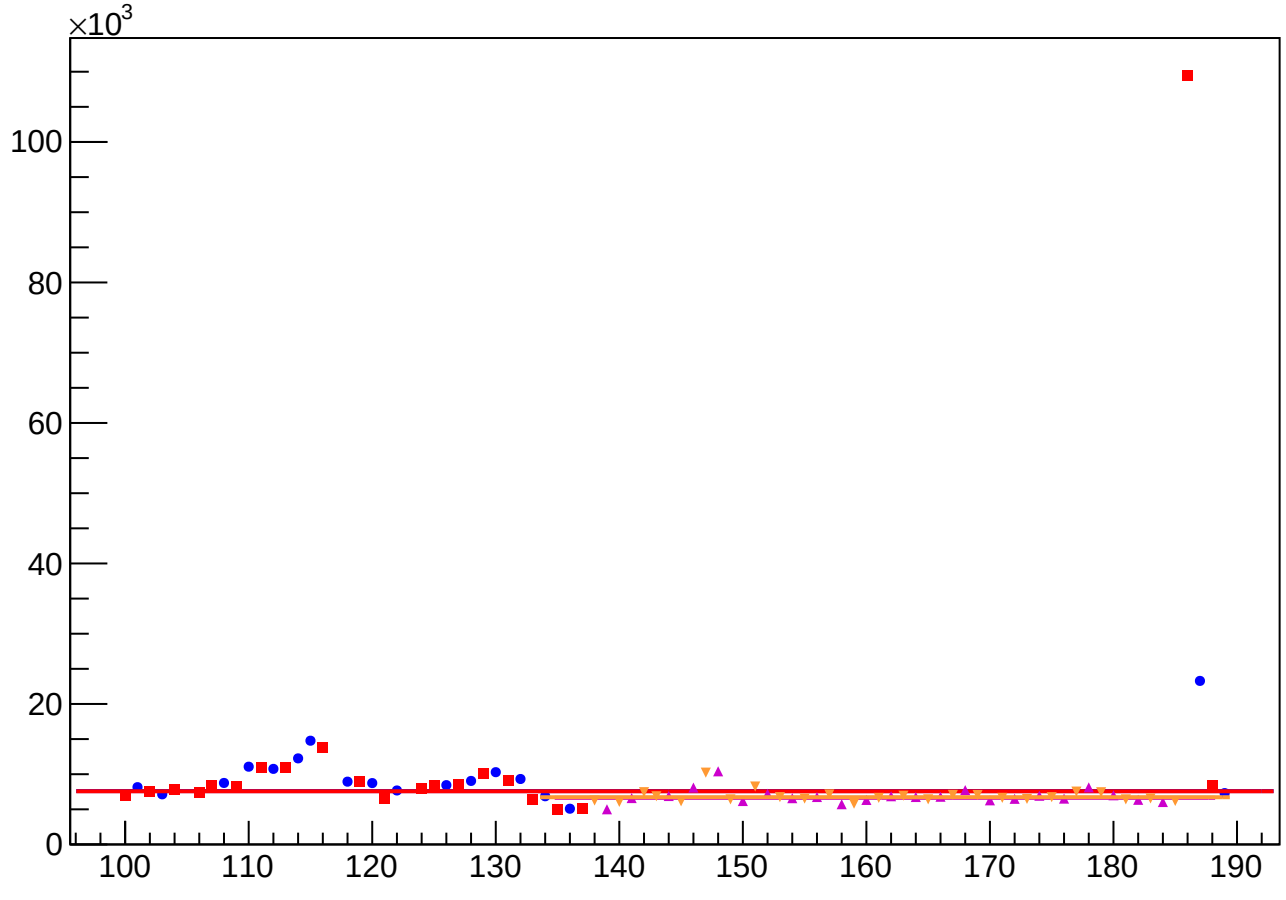
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -3.577+/-1.949 χ^2/NDF: 35.2/38

In: -0.984+/-1.370 χ^2/NDF:45.5/40

Out: 1.276+/-1.339 χ^2/NDF:49.7/45

All: 0.172+/-0.958 χ^2/NDF: 96.6/86



Right In: 7597.197+/-1.989 χ^2/NDF: 1060574.7/17

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 7571.714+/-1.911 χ^2/NDF: 1537966.2/20

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

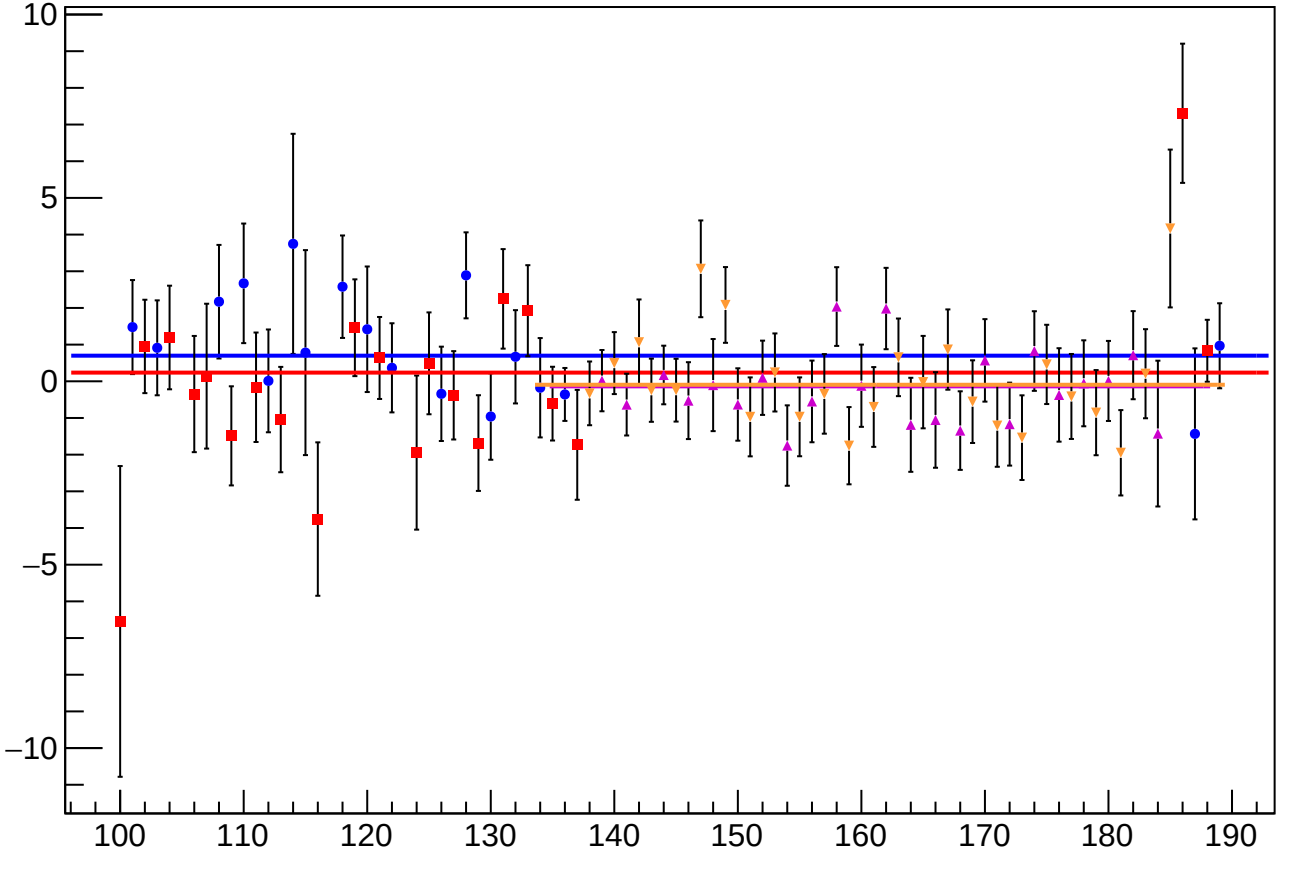
Right: 7583.949+/-1.378 χ^2/NDF: 2598626.3/38

In: 6861.528+/-0.969 χ^2/NDF:1869501.7/40

Out: 6931.363+/-0.947 χ^2/NDF:2090114.5/45

All: 6897.236+/-0.677 χ^2/NDF: 3962274.4/86

diff_bpm_4aY_4acY_dd_mean vs Slug, Sign Corrected



Right In: 0.698+/-0.311 χ^2/NDF: 15.7/17

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.237+/-0.298 χ^2/NDF: 35.0/20

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

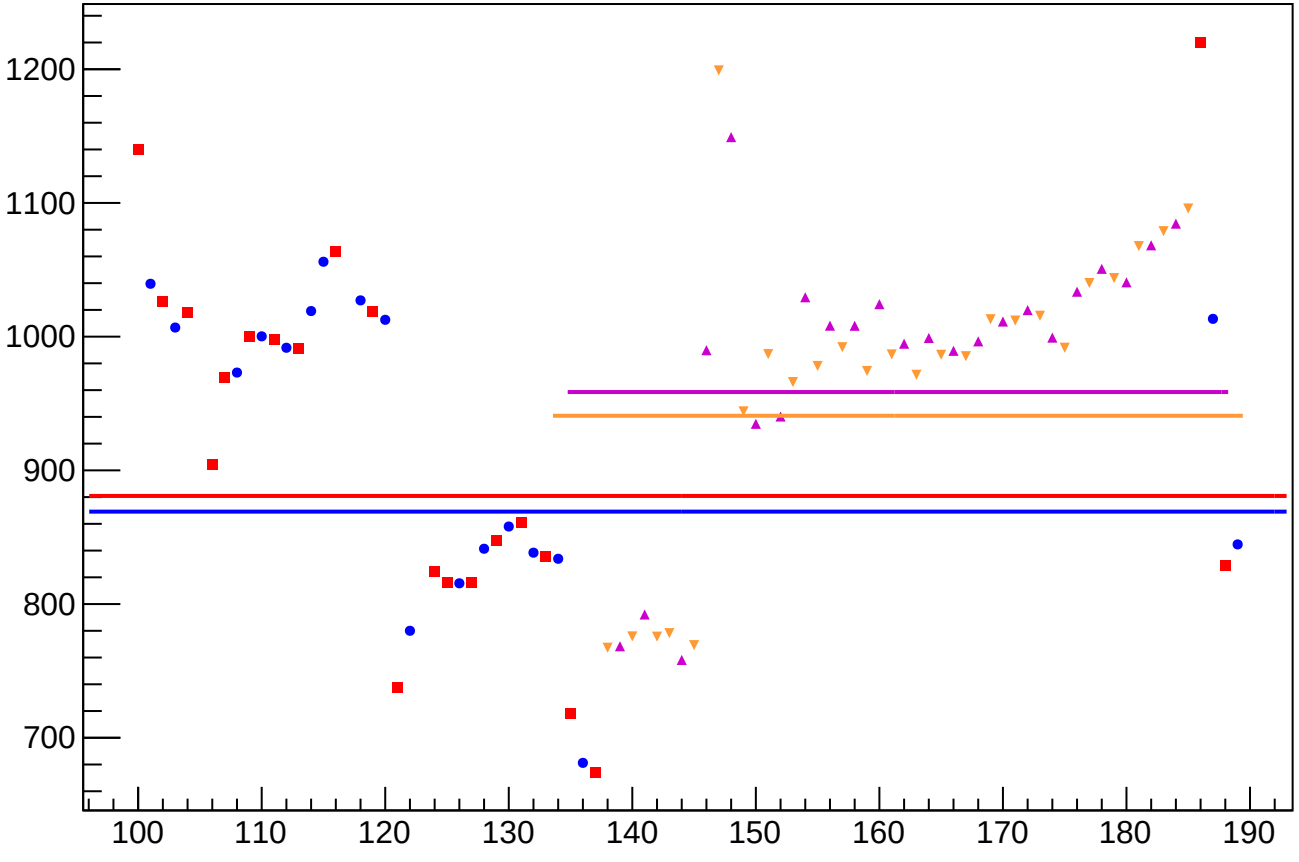
Right: 0.458+/-0.215 χ^2/NDF: 51.8/38

In: 0.150+/-0.182 χ^2/NDF:36.9/40

Out: 0.019+/-0.175 χ^2/NDF:63.2/45

All: 0.082+/-0.126 χ^2/NDF: 100.3/86

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 869.132+/-0.220 χ^2/NDF: 310967.0/17

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 880.868+/-0.211 χ^2/NDF: 344119.7/20

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

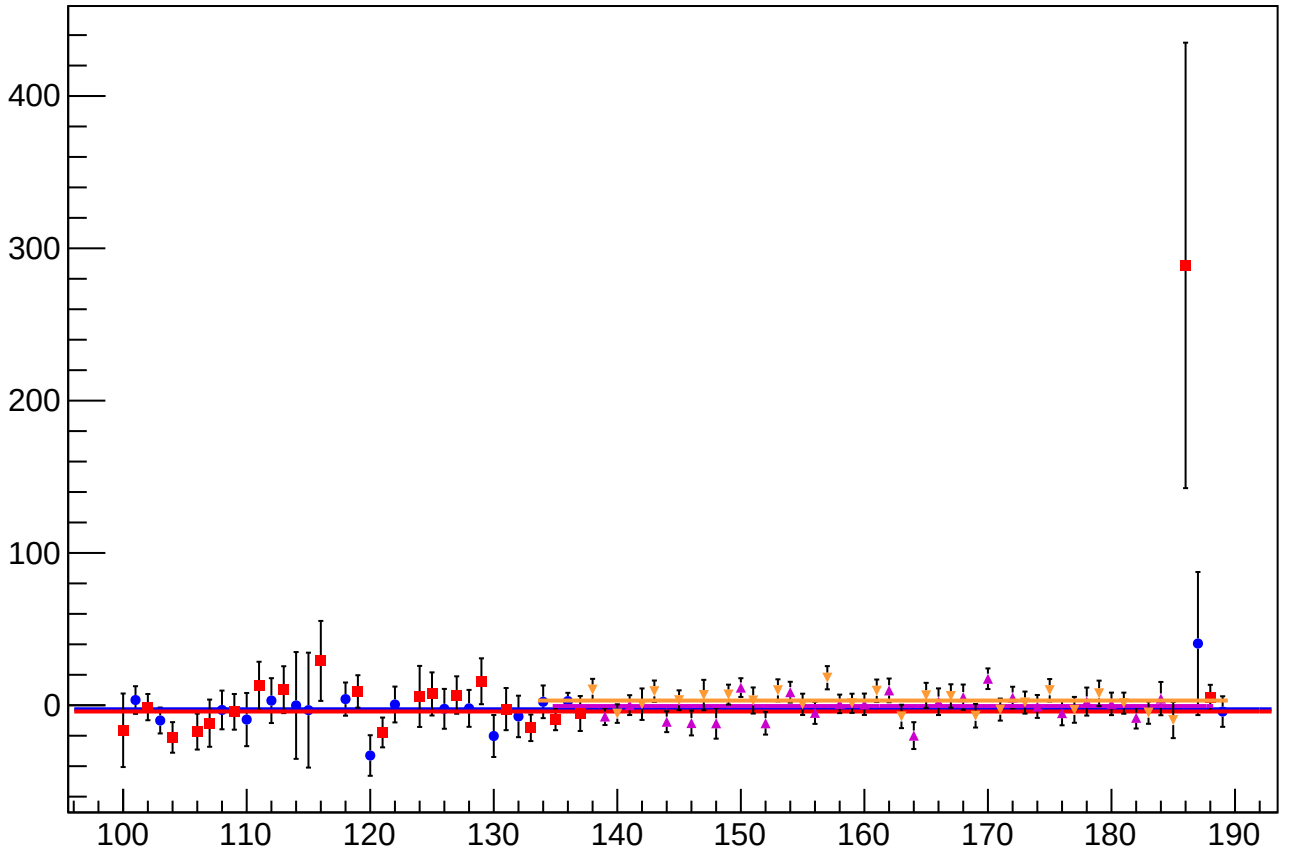
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 875.245+/-0.152 χ^2/NDF: 656570.4/38

In: 927.779+/-0.129 χ^2/NDF:876295.3/40

Out: 920.287+/-0.123 χ^2/NDF:966054.6/45

All: 923.868+/-0.089 χ^2/NDF: 1844110.2/86



Right In: -2.646+/-2.682 χ^2/NDF: 10.9/17

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -4.107+/-2.564 χ^2/NDF: 22.6/20

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

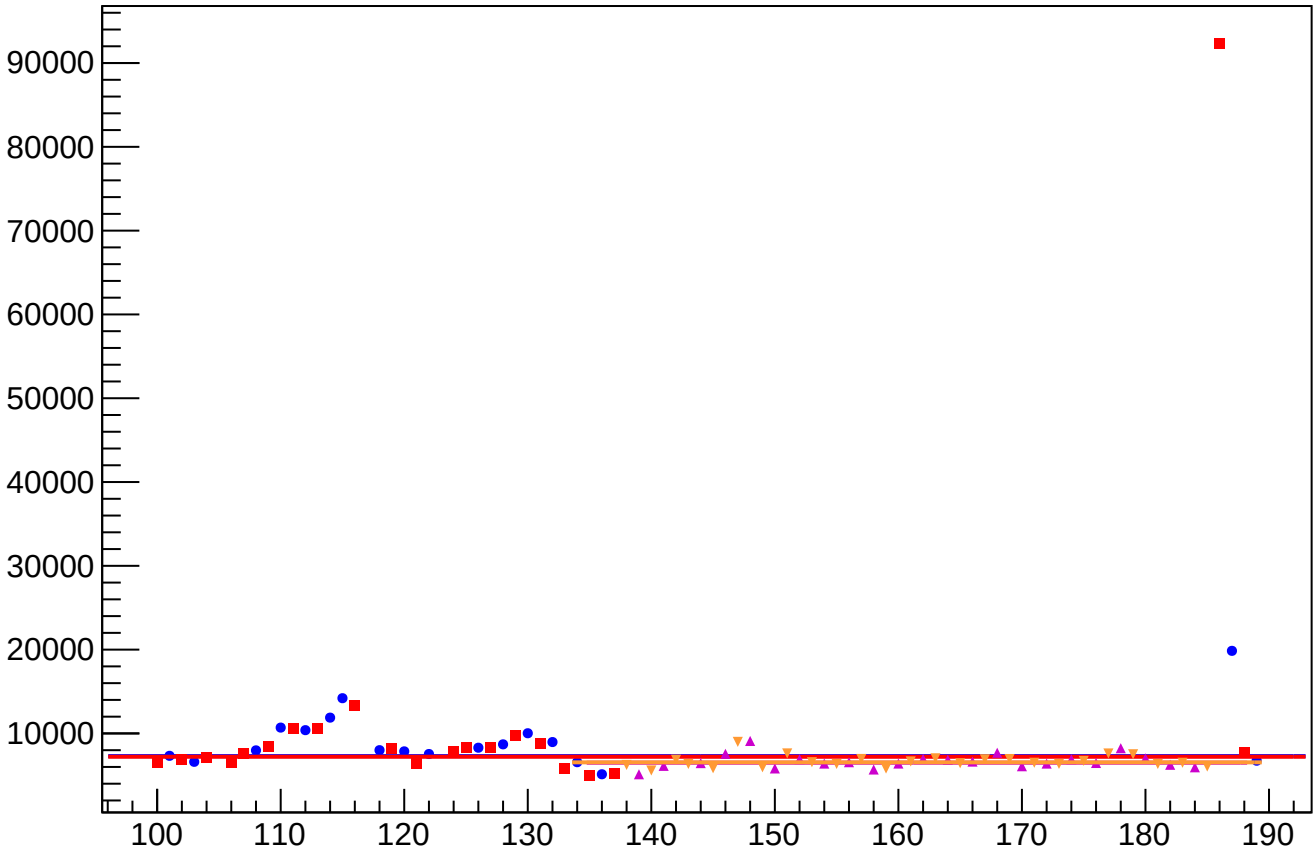
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -3.409+/-1.853 χ^2/NDF: 33.7/38

In: -1.044+/-1.332 χ^2/NDF:43.4/40

Out: 1.261+/-1.295 χ^2/NDF:47.1/45

All: 0.141+/-0.928 χ^2/NDF: 92.0/86



Right In: 7292.179+/-1.897 χ^2/NDF: 919505.4/17

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 7217.596+/-1.813 χ^2/NDF: 1480123.9/20

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

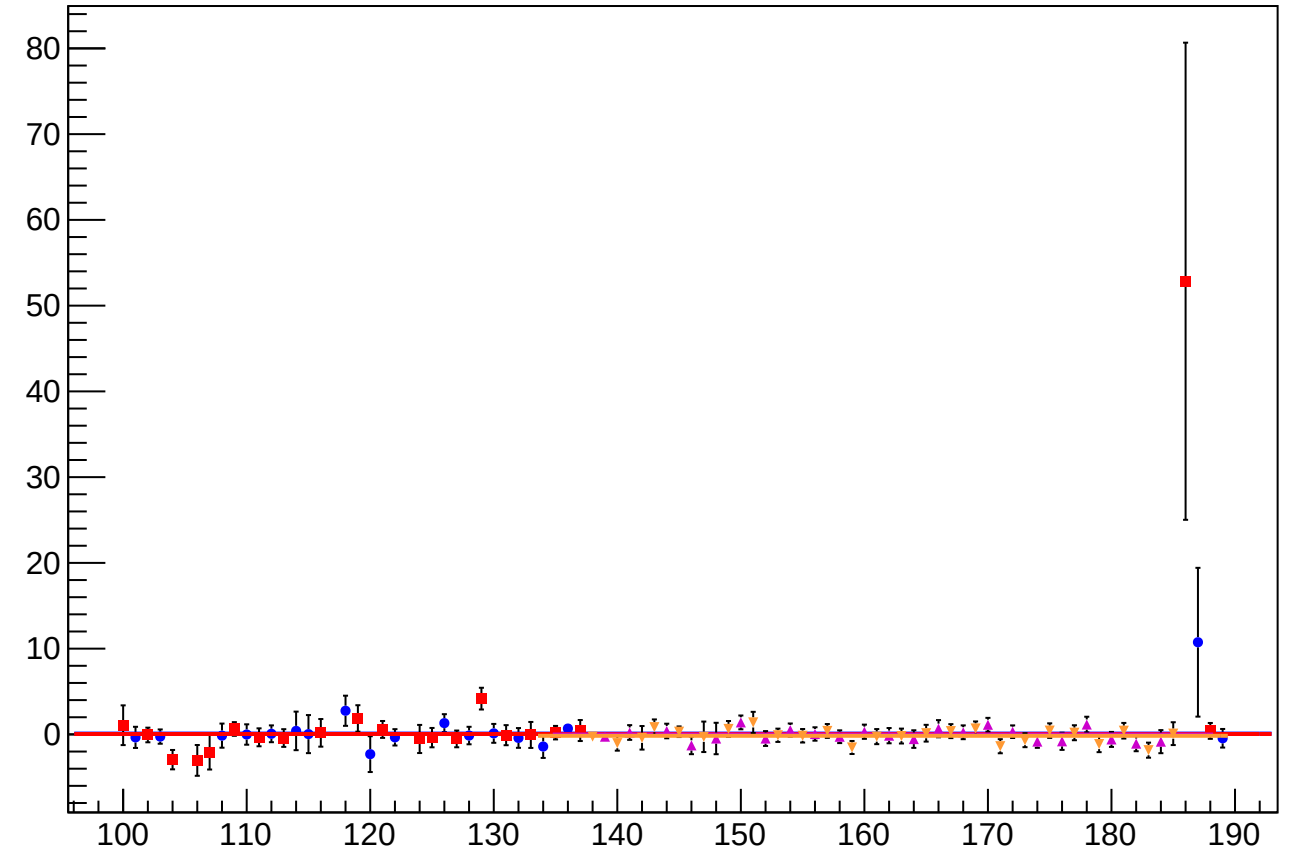
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 7253.204+/-1.310 χ^2/NDF: 2400437.4/38

In: 6699.237+/-0.942 χ^2/NDF:1564764.0/40

Out: 6719.480+/-0.916 χ^2/NDF:1947560.5/45

All: 6709.646+/-0.657 χ^2/NDF: 3512562.0/86



Right In: 0.093+/-0.265 χ^2/NDF: 9.9/17

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.046+/-0.253 χ^2/NDF: 28.9/20

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

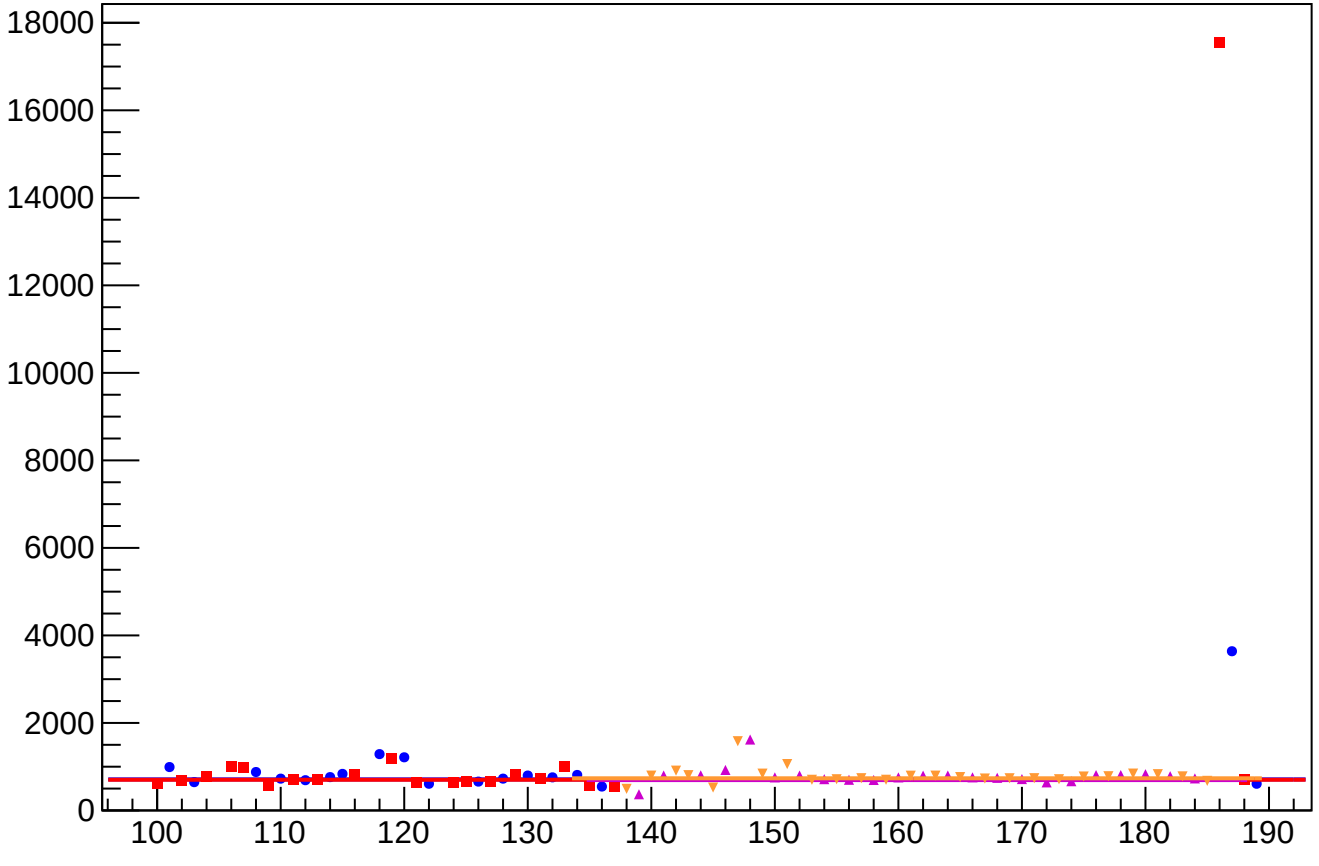
Right: 0.069+/-0.183 χ^2/NDF: 38.8/38

In: 0.015+/-0.142 χ^2/NDF:25.2/40

Out: -0.096+/-0.142 χ^2/NDF:48.4/45

All: -0.041+/-0.101 χ^2/NDF: 73.9/86

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 710.179+/-0.187 χ^2/NDF: 944525.1/17

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 701.635+/-0.179 χ^2/NDF: 1309455.5/20

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

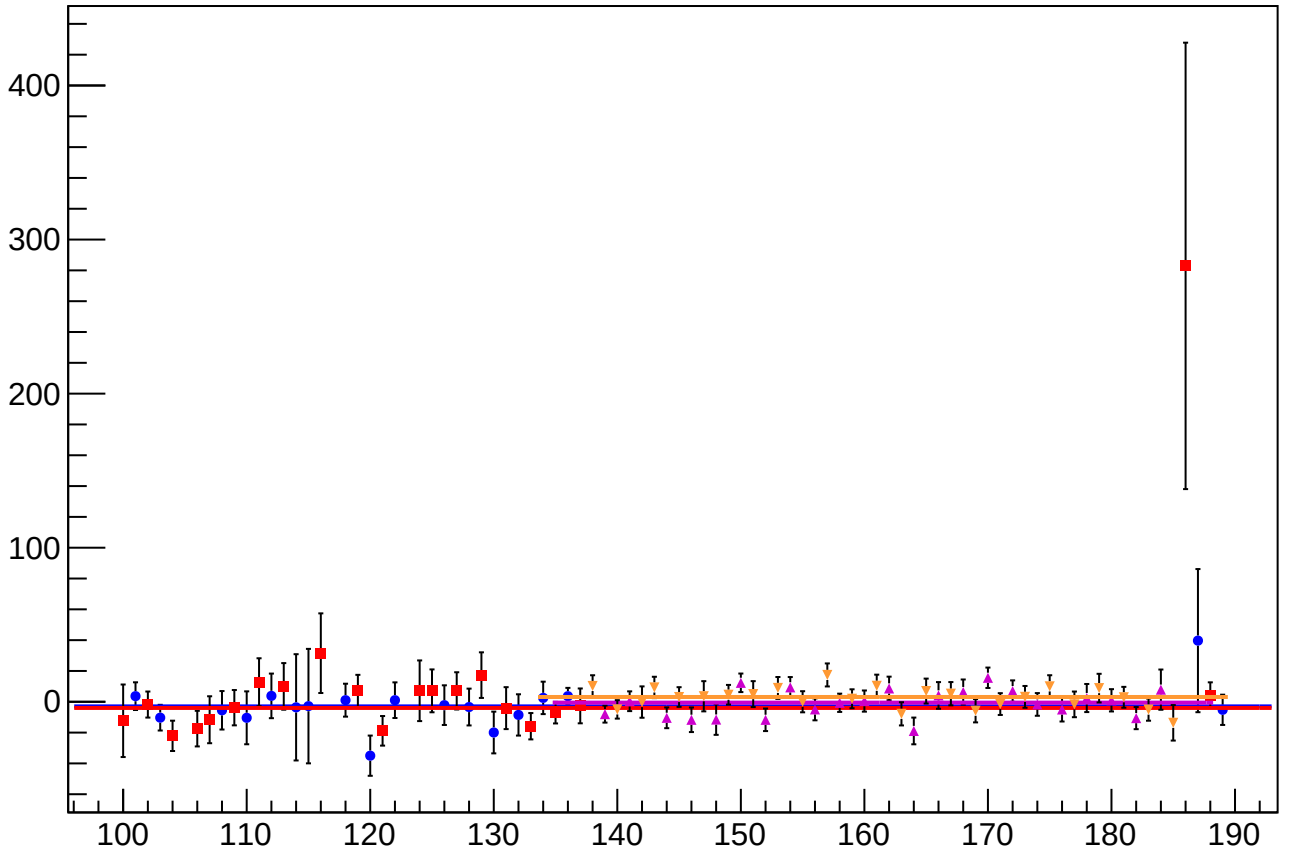
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 705.715+/-0.129 χ^2/NDF: 2255068.6/38

In: 698.793+/-0.101 χ^2/NDF:3174826.4/40

Out: 724.441+/-0.101 χ^2/NDF:2672940.3/45

All: 711.632+/-0.071 χ^2/NDF: 5880200.4/86



Right In: -2.998+/-2.640 χ^2/NDF: 12.5/17

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.997+/-2.526 χ^2/NDF: 23.5/20

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

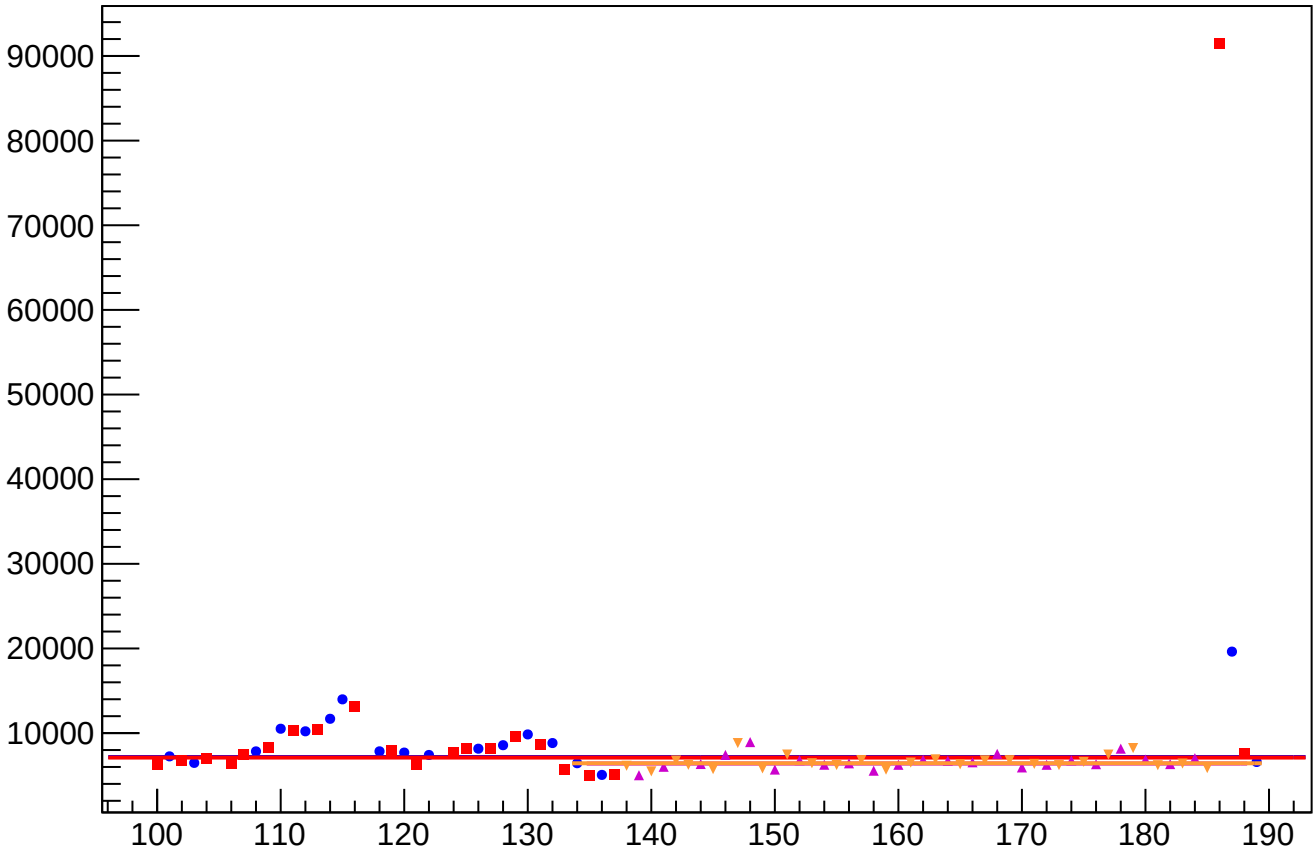
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -3.519+/-1.825 χ^2/NDF: 36.1/38

In: -1.155+/-1.312 χ^2/NDF:46.7/40

Out: 1.301+/-1.274 χ^2/NDF:48.2/45

All: 0.109+/-0.914 χ^2/NDF: 96.7/86



Right In: 7176.425+/-1.867 χ^2/NDF: 912790.7/17

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 7110.985+/-1.786 χ^2/NDF: 1452827.5/20

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

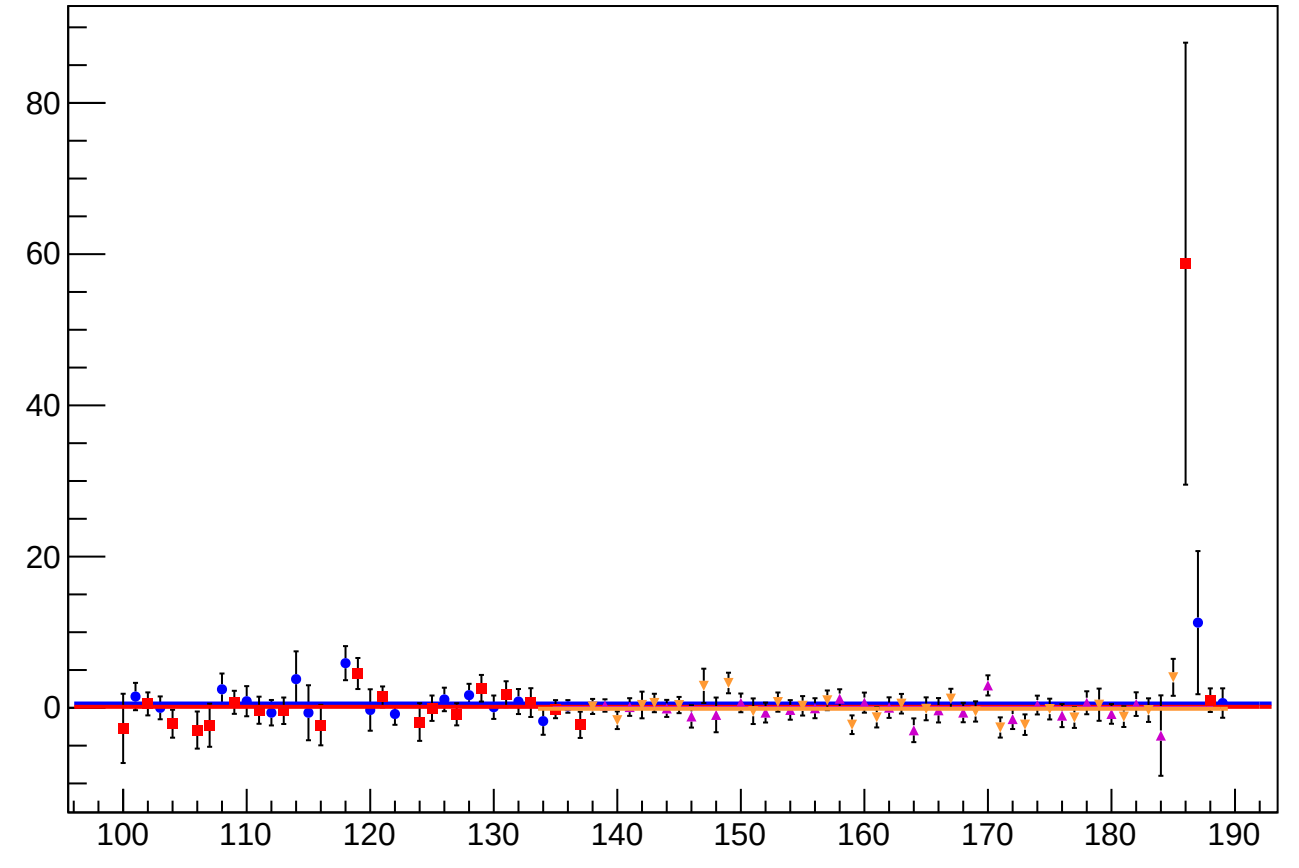
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 7142.253+/-1.291 χ^2/NDF: 2366259.8/38

In: 6595.754+/-0.928 χ^2/NDF:1566338.2/40

Out: 6607.401+/-0.901 χ^2/NDF:1976818.3/45

All: 6601.748+/-0.647 χ^2/NDF: 3543237.5/86



Right In: 0.570+/-0.402 χ^2/NDF: 13.2/17

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.131+/-0.395 χ^2/NDF: 21.2/20

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

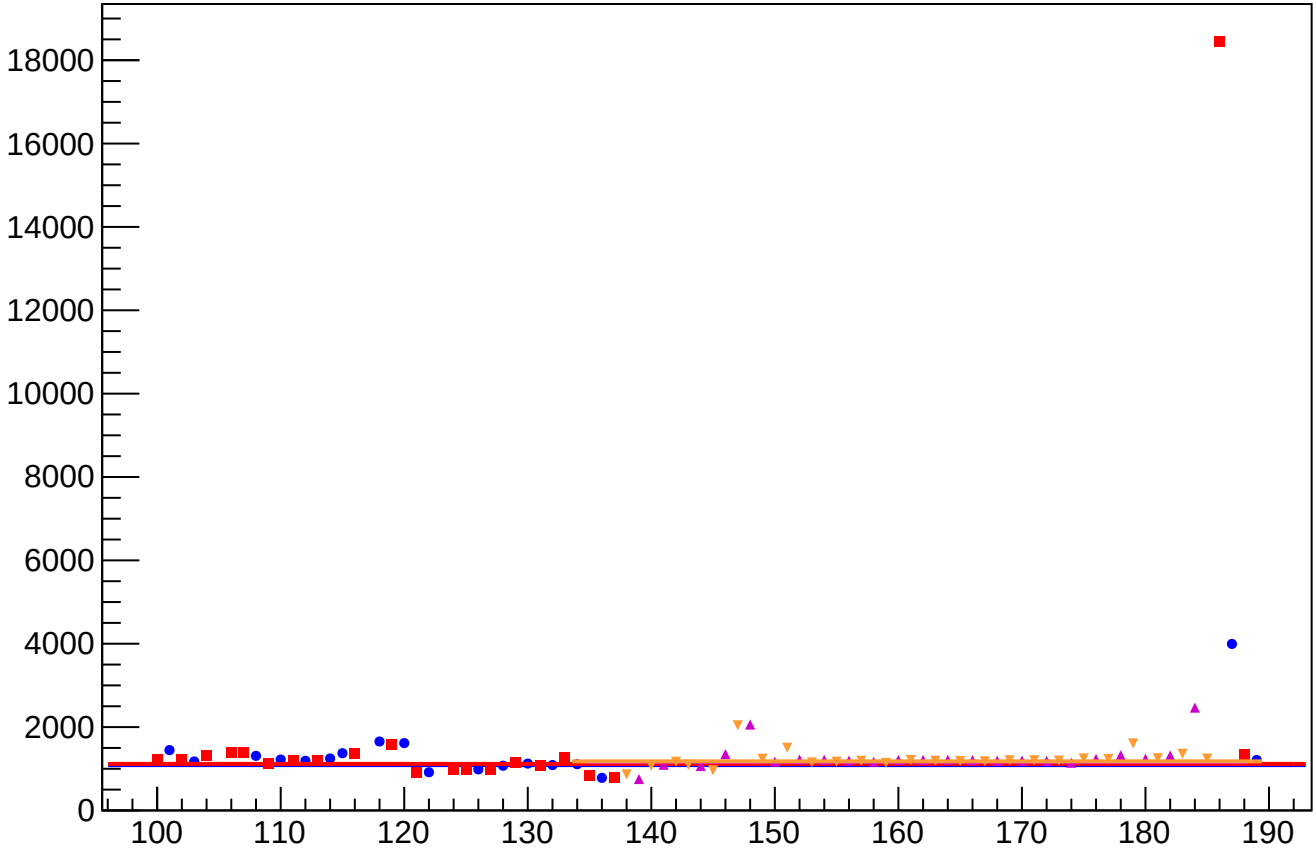
Right: 0.347+/-0.282 χ^2/NDF: 35.1/38

In: 0.166+/-0.229 χ^2/NDF:29.2/40

Out: -0.040+/-0.225 χ^2/NDF:48.5/45

All: 0.061+/-0.160 χ^2/NDF: 78.1/86

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1088.209+/-0.284 χ^2/NDF: 844385.6/17

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1116.641+/-0.280 χ^2/NDF: 1237099.3/20

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

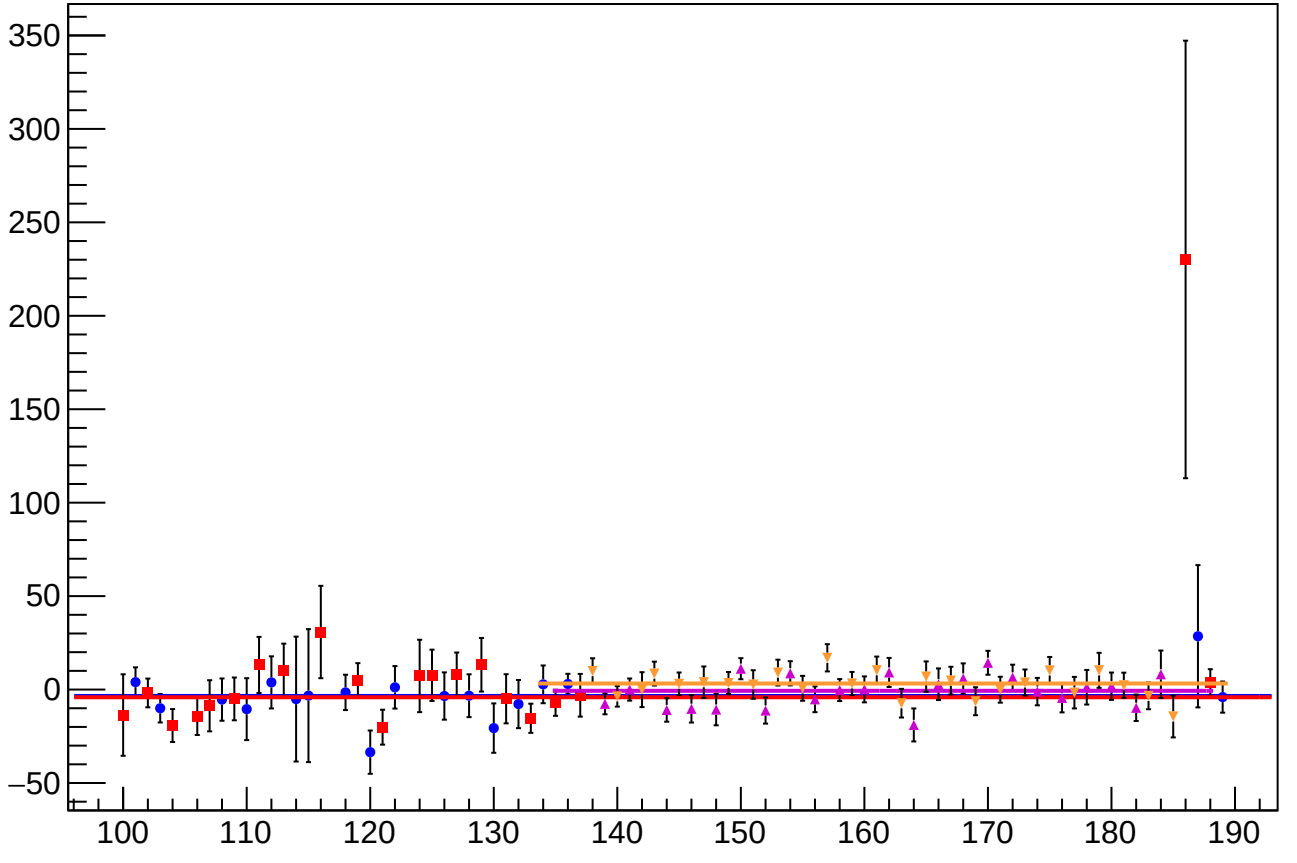
Right: 1102.645+/-0.199 χ^2/NDF: 2086573.5/38

In: 1139.266+/-0.162 χ^2/NDF:1944455.9/40

Out: 1157.986+/-0.159 χ^2/NDF:2070303.0/45

All: 1148.792+/-0.113 χ^2/NDF: 4021565.1/86

diff_bpm_4eY_4ecY_avg_mean vs Slug, Sign Corrected



Right In: -3.435+/-2.484 χ^2/NDF: 13.3/17

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -4.123+/-2.368 χ^2/NDF: 23.6/20

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

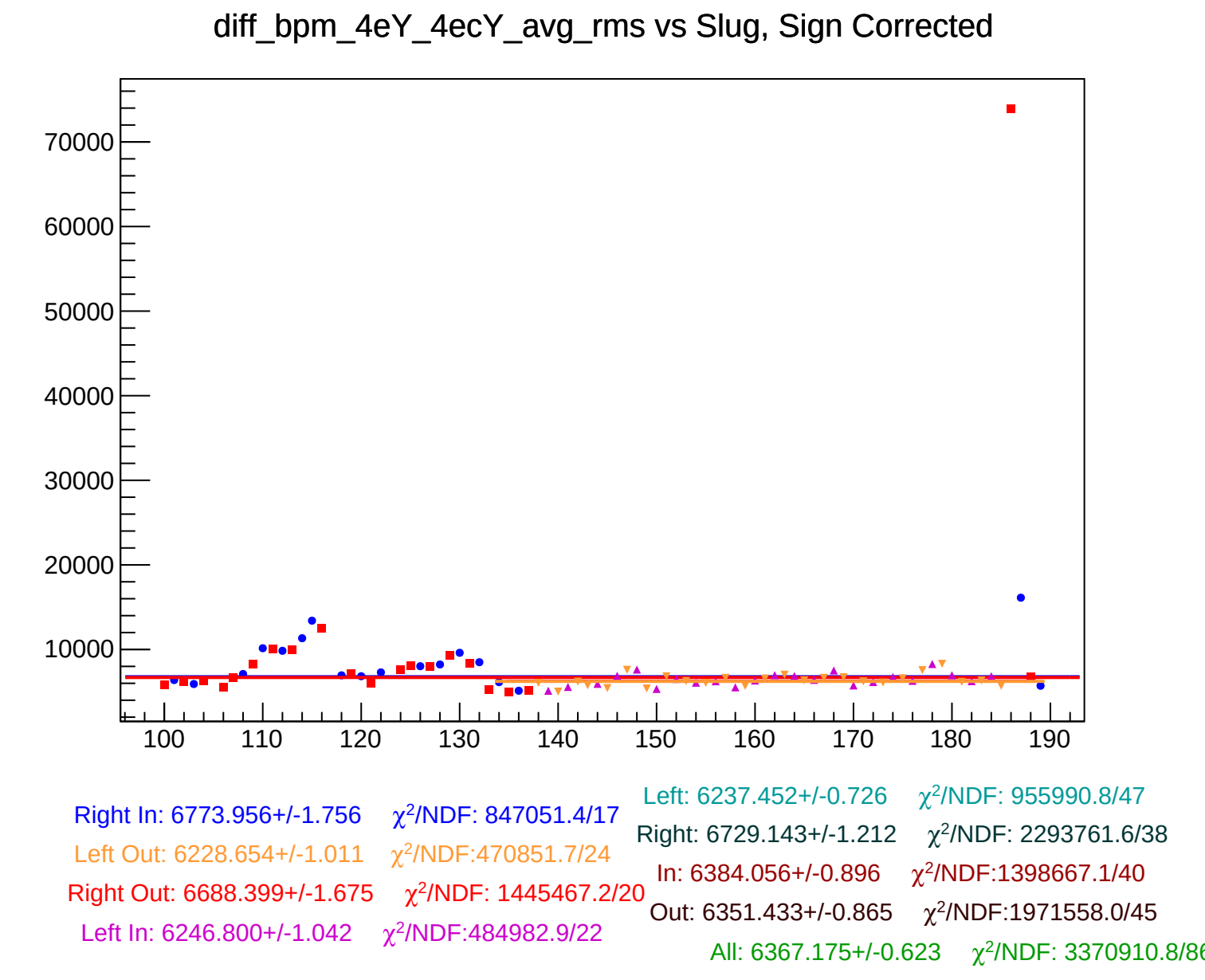
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

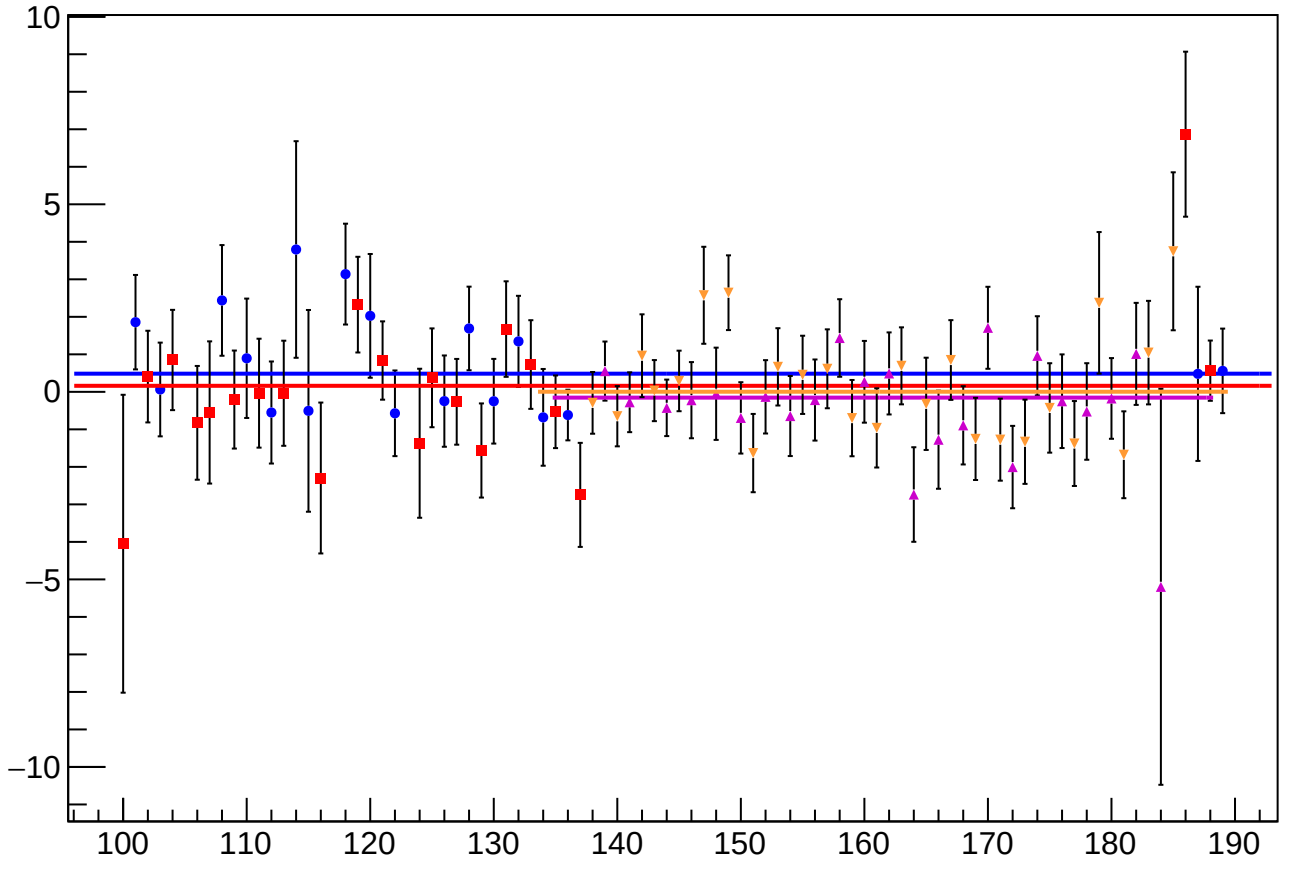
Right: -3.796+/-1.714 χ^2/NDF: 36.9/38

In: -1.388+/-1.267 χ^2/NDF:46.6/40

Out: 1.269+/-1.224 χ^2/NDF:48.5/45

All: -0.013+/-0.880 χ^2/NDF: 97.4/86


diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected
70000
60000
50000
40000
30000
20000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 6773.956+/-1.756 χ²/NDF: 847051.4/17
Left Out: 6228.654+/-1.011 χ²/NDF:470851.7/24
Right Out: 6688.399+/-1.675 χ²/NDF: 1445467.2/20
Left In: 6246.800+/-1.042 χ²/NDF:484982.9/22
Left: 6237.452+/-0.726 χ²/NDF: 955990.8/47
Right: 6729.143+/-1.212 χ²/NDF: 2293761.6/38
In: 6384.056+/-0.896 χ²/NDF:1398667.1/40
Out: 6351.433+/-0.865 χ²/NDF:1971558.0/45
All: 6367.175+/-0.623 χ²/NDF: 3370910.8/86



Right In: 0.484+/-0.297 χ^2/NDF: 16.7/17

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.161+/-0.286 χ^2/NDF: 25.6/20

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

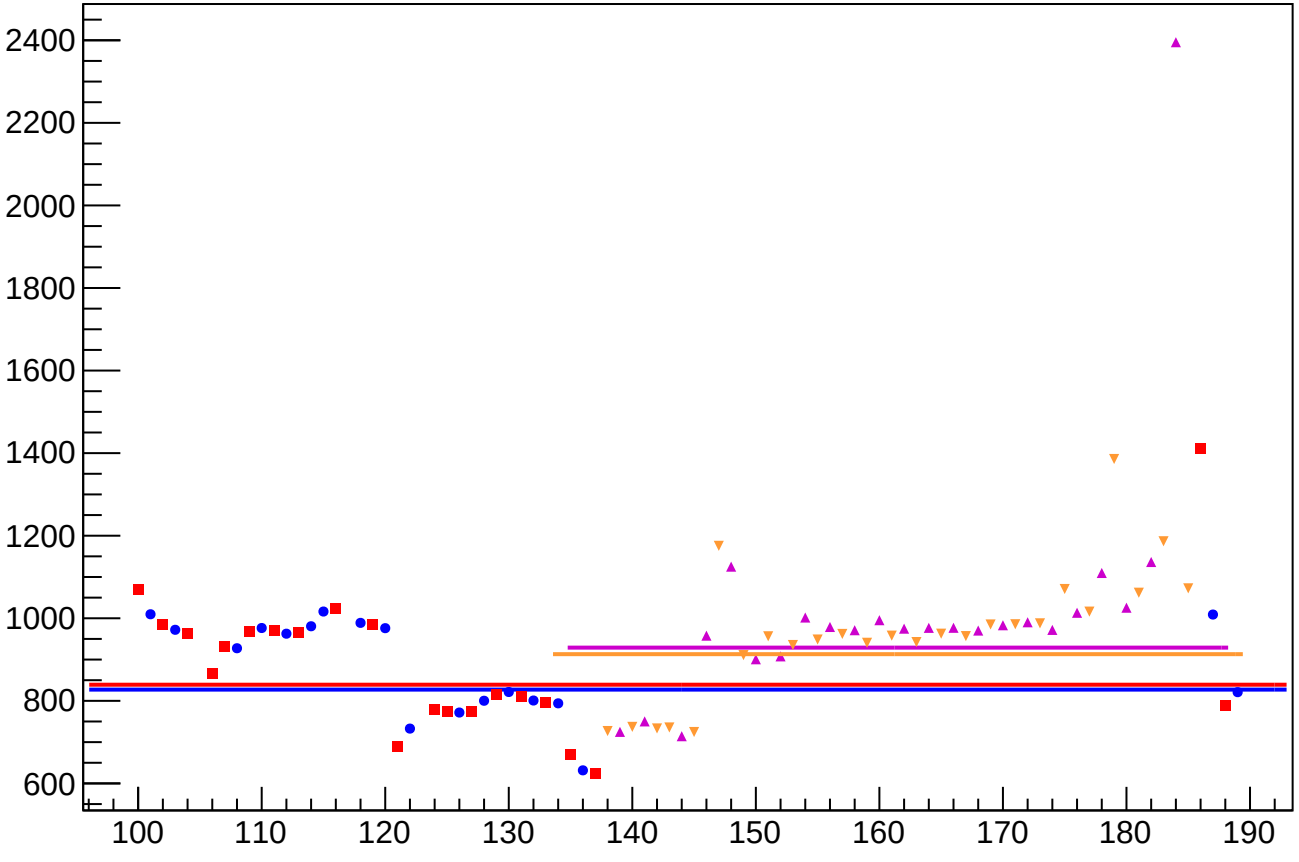
Right: 0.316+/-0.206 χ^2/NDF: 43.0/38

In: 0.073+/-0.177 χ^2/NDF:38.1/40

Out: 0.059+/-0.170 χ^2/NDF:57.5/45

All: 0.066+/-0.123 χ^2/NDF: 95.6/86

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 827.218+/-0.210 χ^2/NDF: 377948.8/17

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 839.092+/-0.202 χ^2/NDF: 463234.2/20

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

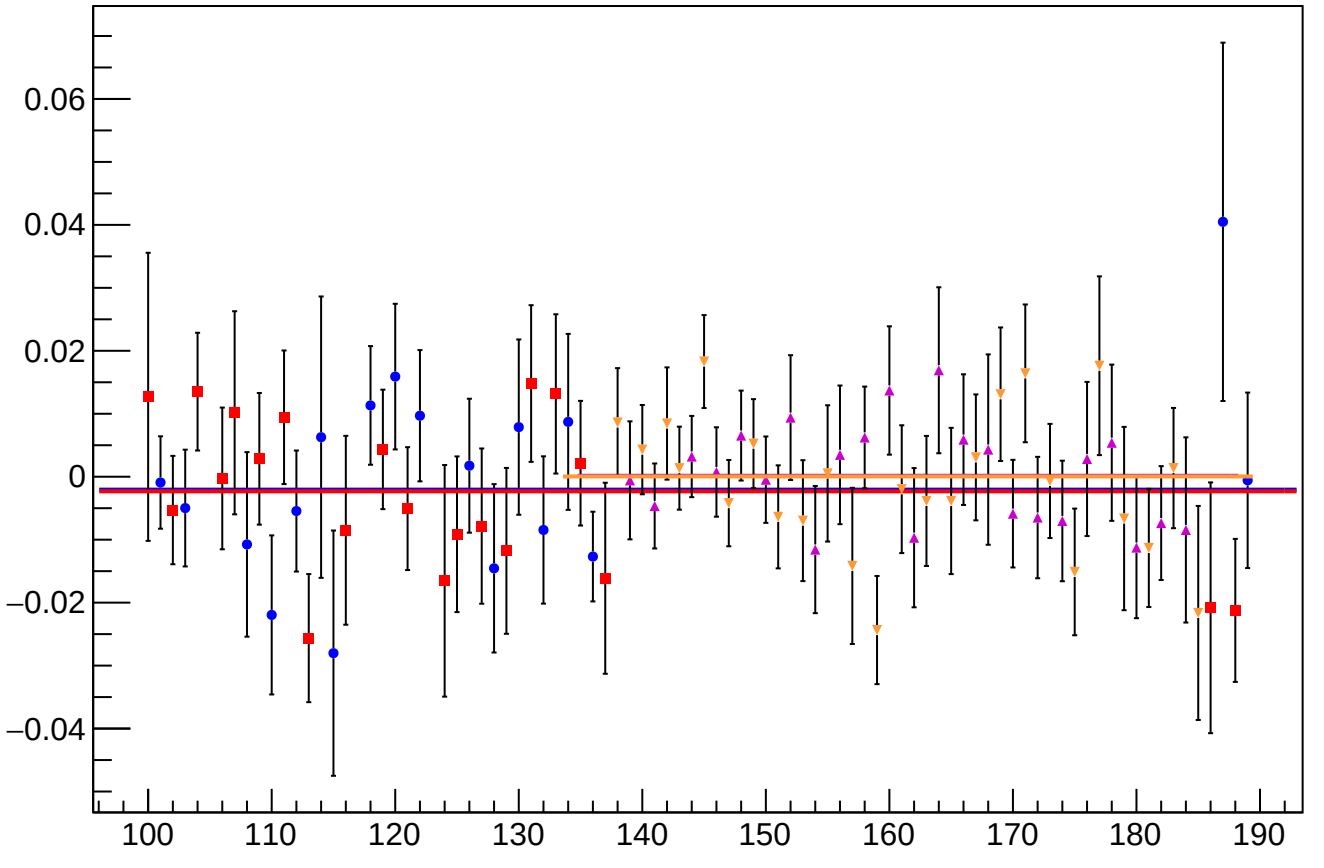
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 833.390+/-0.146 χ^2/NDF: 842842.9/38

In: 892.680+/-0.125 χ^2/NDF:1297804.5/40

Out: 886.800+/-0.120 χ^2/NDF:1438981.1/45

All: 889.618+/-0.087 χ^2/NDF: 2737930.2/86



Right In: -0.002+/-0.003 χ^2/NDF: 17.6/17

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.002+/-0.003 χ^2/NDF: 21.2/20

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

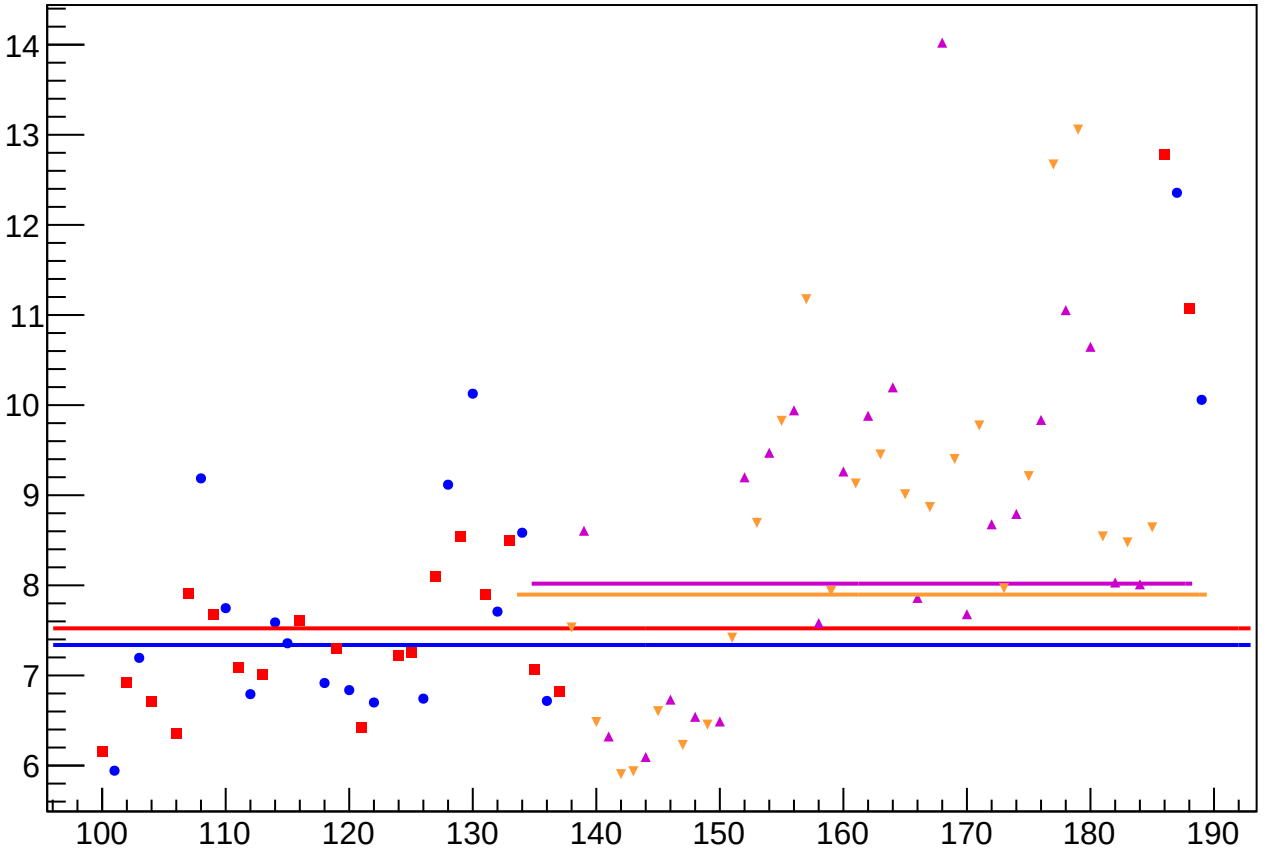
Right: -0.002+/-0.002 χ^2/NDF: 38.8/38

In: -0.001+/-0.002 χ^2/NDF:30.8/40

Out: -0.001+/-0.001 χ^2/NDF:52.9/45

All: -0.001+/-0.001 χ^2/NDF: 83.7/86

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.338+/-0.002 χ^2/NDF: 422060.2/17

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 7.523+/-0.002 χ^2/NDF: 464475.8/20

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

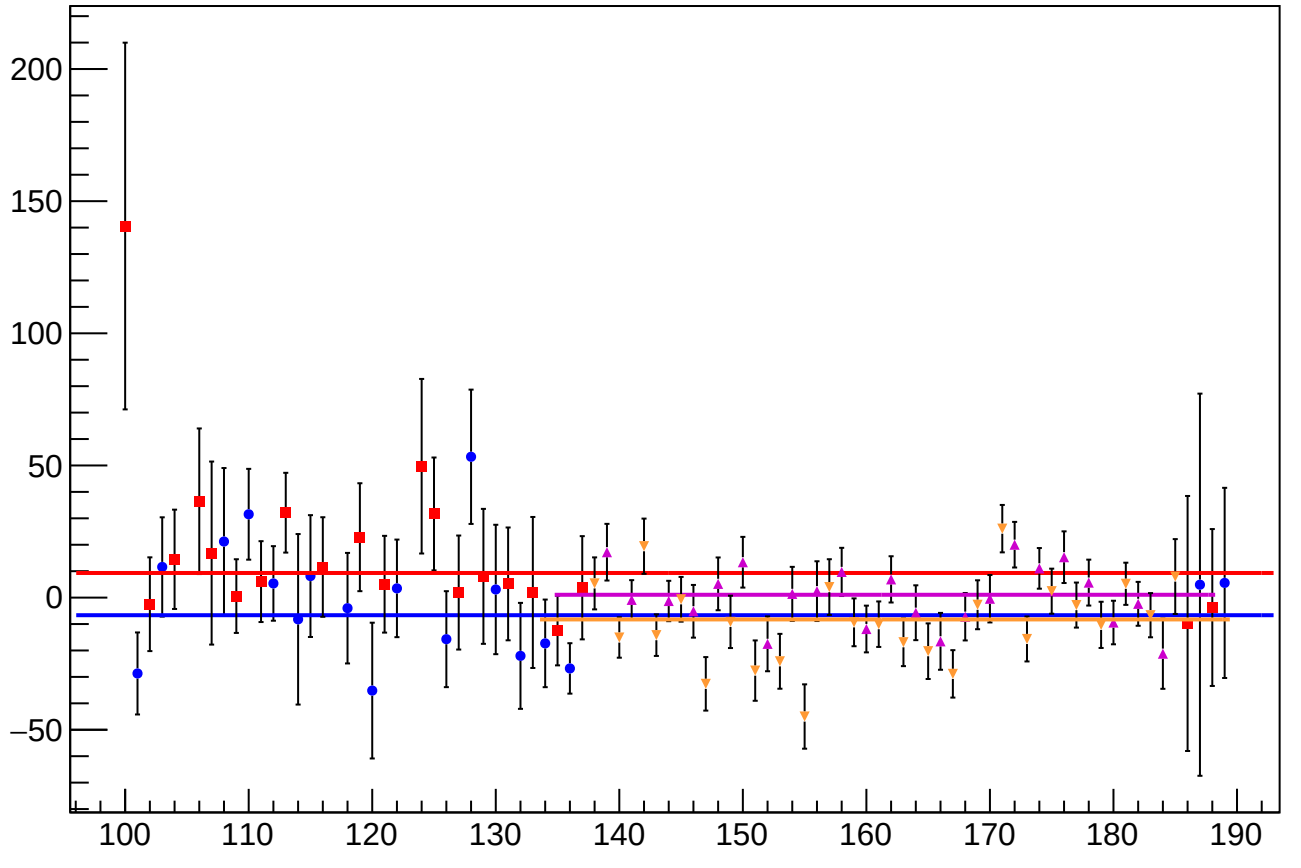
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

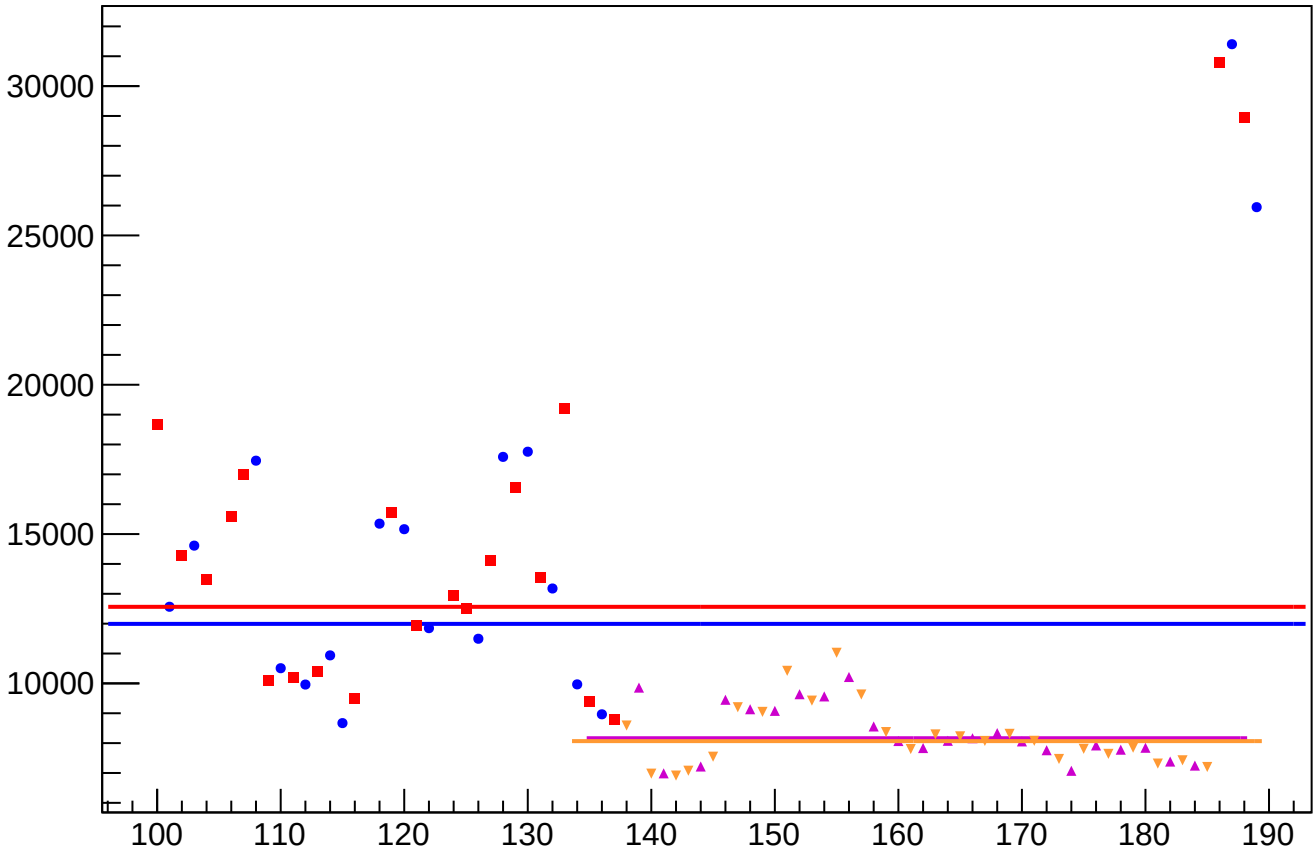
Right: 7.433+/-0.001 χ^2/NDF: 891545.5/38

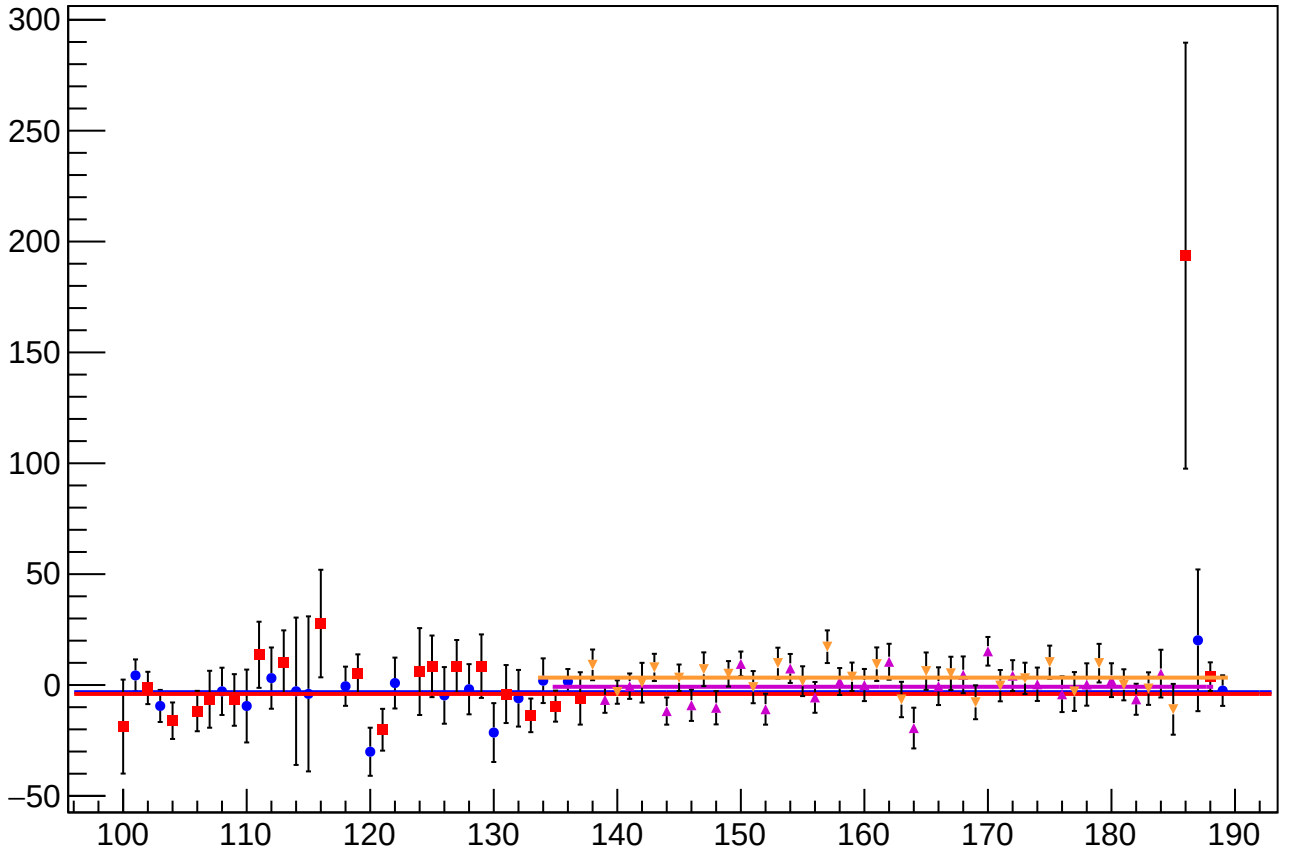
In: 7.785+/-0.001 χ^2/NDF:1964509.6/40

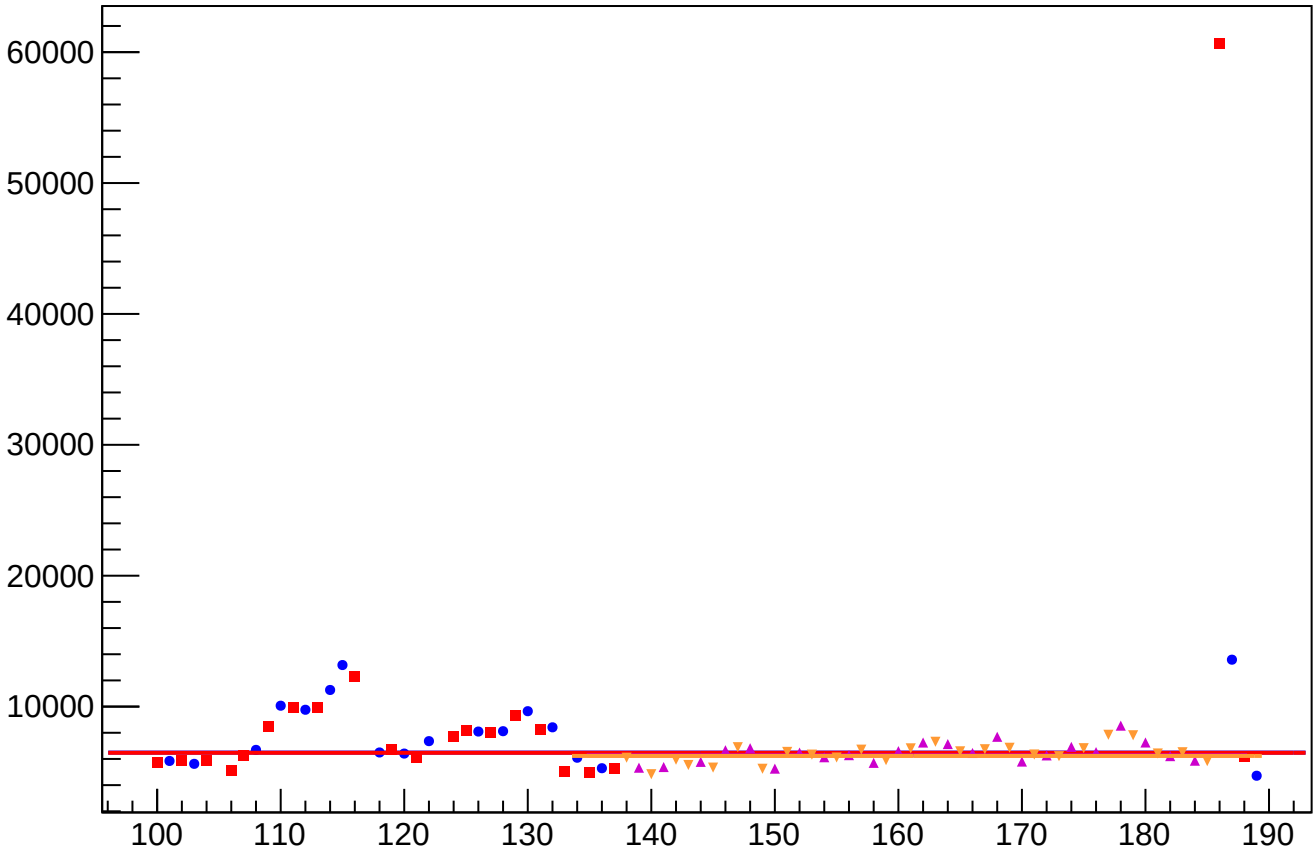
Out: 7.770+/-0.001 χ^2/NDF:2083465.6/45

All: 7.777+/-0.001 χ^2/NDF: 4048069.0/86


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: -6.656+/-4.445 χ²/NDF: 23.2/17
Left Out: -8.256+/-1.849 χ²/NDF:62.2/24
Right Out: 9.320+/-4.447 χ²/NDF: 14.3/20
Left In: 1.072+/-1.921 χ²/NDF:28.8/22
Left: -3.769+/-1.332 χ²/NDF: 103.2/47
Right: 1.329+/-3.144 χ²/NDF: 44.0/38
In: -0.144+/-1.763 χ²/NDF:54.6/40
Out: -5.665+/-1.708 χ²/NDF:89.8/45
All: -2.993+/-1.227 χ²/NDF: 149.4/86


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 11992.643+/-3.143 χ²/NDF: 1193720.2/17
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 12563.712+/-3.144 χ²/NDF: 1608678.2/20
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 12278.078+/-2.223 χ²/NDF: 2818895.5/38
In: 8765.920+/-1.247 χ²/NDF:2876553.0/40
Out: 8729.830+/-1.207 χ²/NDF:3850523.5/45
All: 8747.297+/-0.867 χ²/NDF: 6727508.8/86


diff_targ_positionY_mean vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: -3.238+/-2.385 χ²/NDF: 12.0/17
Left Out: 3.330+/-1.431 χ²/NDF:16.9/24
Right Out: -4.016+/-2.287 χ²/NDF: 22.6/20
Left In: -0.797+/-1.479 χ²/NDF:29.4/22
Left: 1.335+/-1.028 χ²/NDF: 50.4/47
Right: -3.643+/-1.651 χ²/NDF: 34.7/38
In: -1.474+/-1.257 χ²/NDF:42.2/40
Out: 1.264+/-1.213 χ²/NDF:46.9/45
All: -0.056+/-0.873 χ²/NDF: 91.6/86



Right In: 6486.451+/-1.686 χ^2/NDF: 934280.4/17

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 6470.635+/-1.617 χ^2/NDF: 1479897.4/20

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

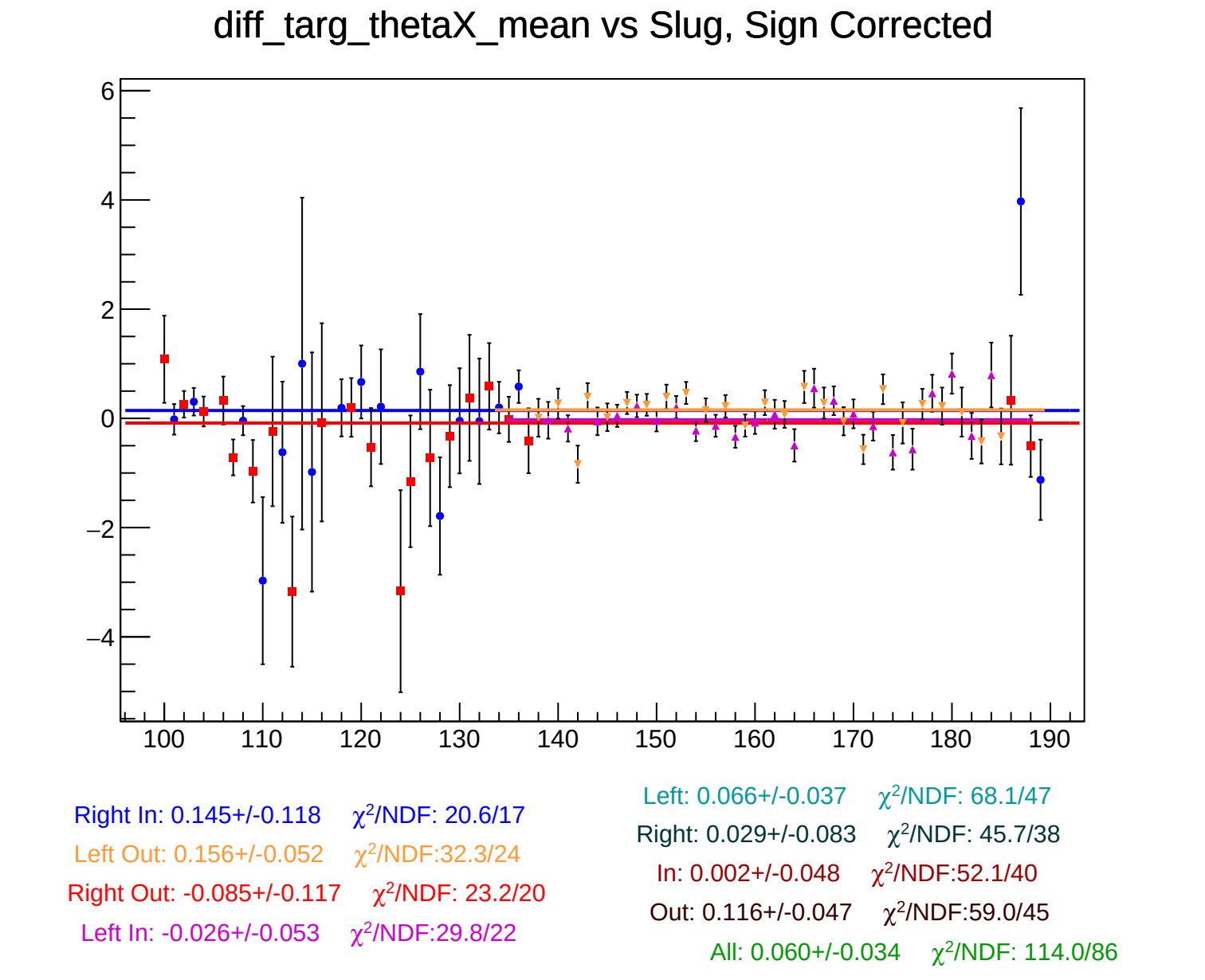
Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

Right: 6478.213+/-1.167 χ^2/NDF: 2414223.7/38

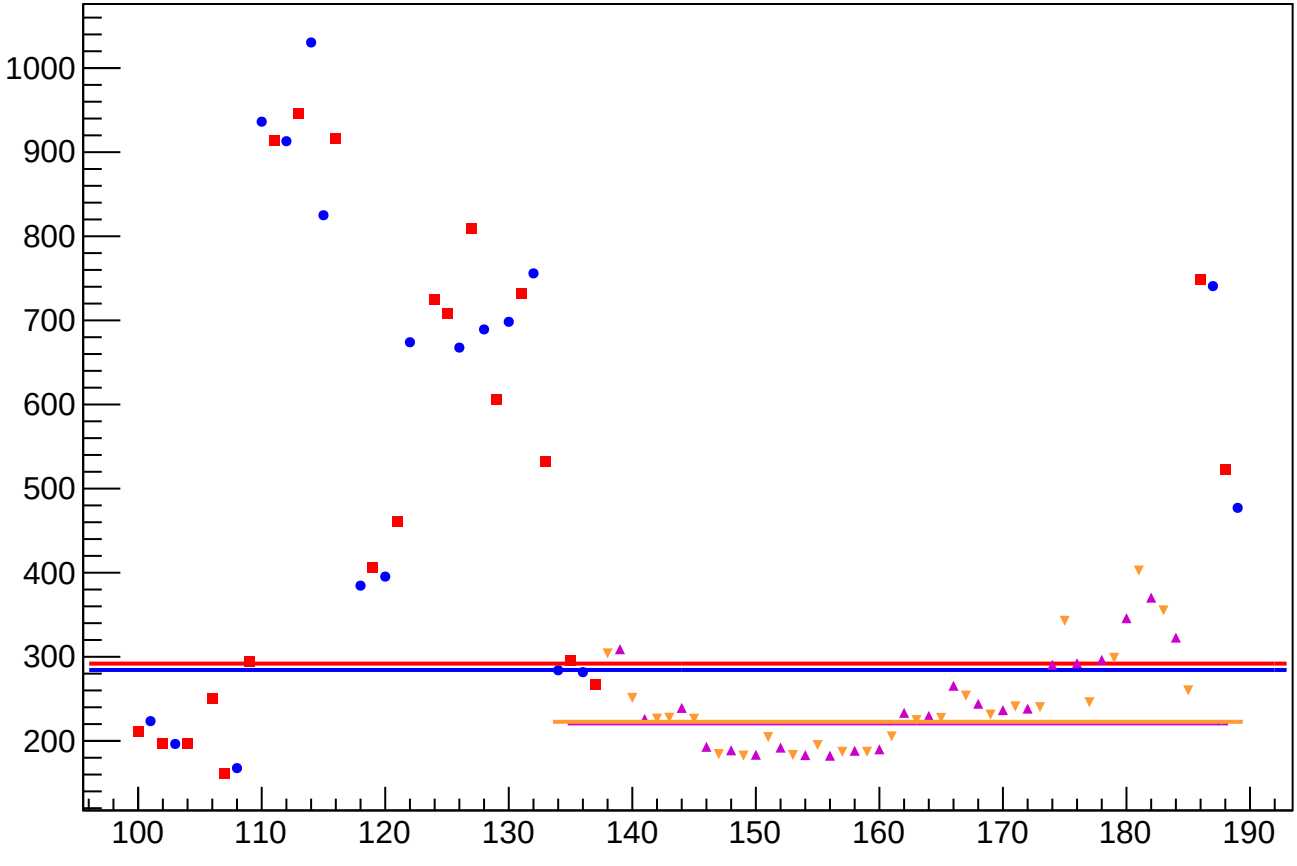
In: 6330.707+/-0.889 χ^2/NDF:1450813.3/40

Out: 6298.334+/-0.858 χ^2/NDF:2028265.9/45

All: 6313.947+/-0.617 χ^2/NDF: 3479766.4/86


diff_targ_thetaX_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.145+/-0.118 χ²/NDF: 20.6/17
Left Out: 0.156+/-0.052 χ²/NDF:32.3/24
Right Out: -0.085+/-0.117 χ²/NDF: 23.2/20
Left In: -0.026+/-0.053 χ²/NDF:29.8/22
Left: 0.066+/-0.037 χ²/NDF: 68.1/47
Right: 0.029+/-0.083 χ²/NDF: 45.7/38
In: 0.002+/-0.048 χ²/NDF:52.1/40
Out: 0.116+/-0.047 χ²/NDF:59.0/45
All: 0.060+/-0.034 χ²/NDF: 114.0/86

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 284.351+/-0.083 χ^2/NDF: 3738187.2/17

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 291.930+/-0.082 χ^2/NDF: 4236201.8/20

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

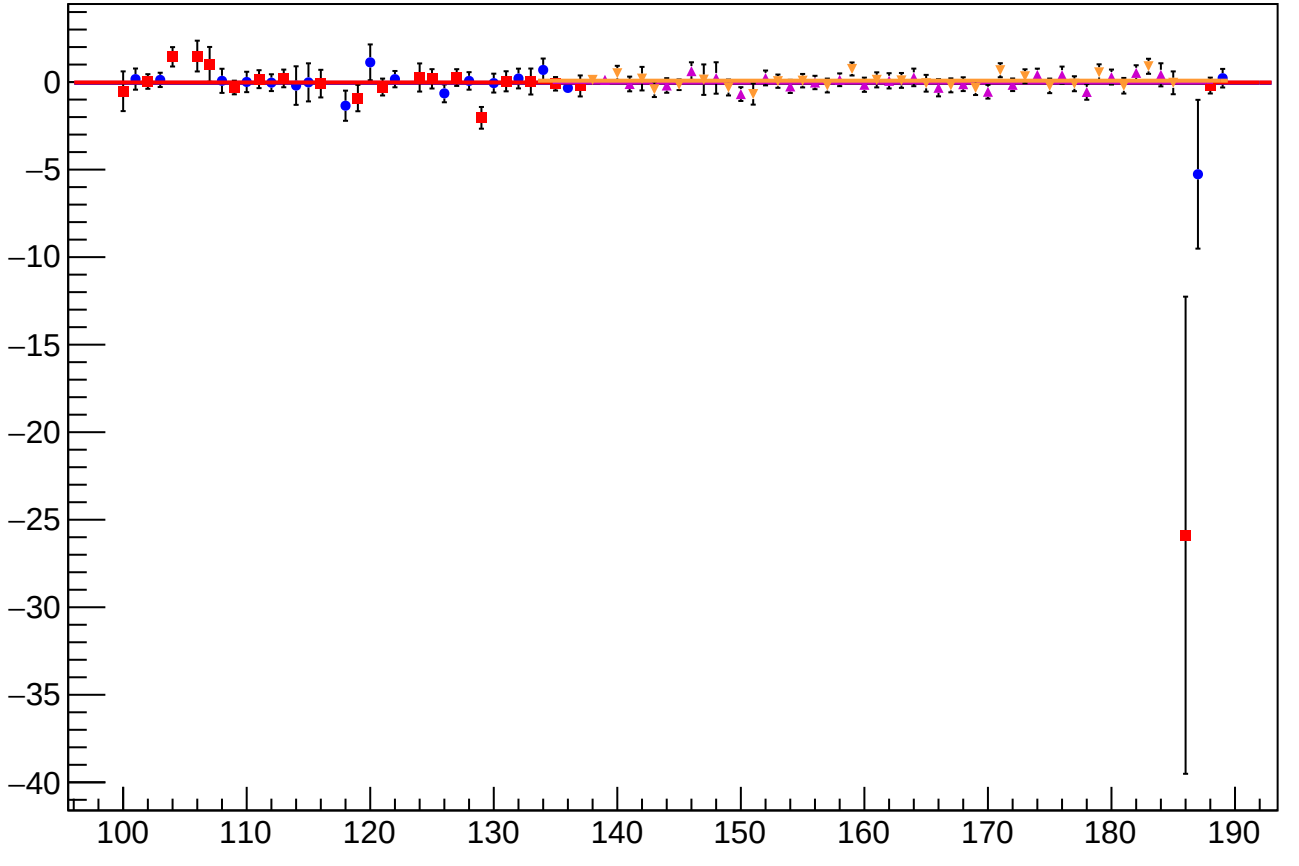
Right: 288.180+/-0.059 χ^2/NDF: 7978575.8/38

In: 231.497+/-0.034 χ^2/NDF:5694173.5/40

Out: 234.187+/-0.034 χ^2/NDF:6276183.3/45

All: 232.867+/-0.024 χ^2/NDF: 11973514.8/86

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.046+/-0.130 χ^2/NDF: 9.9/17

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.023+/-0.124 χ^2/NDF: 28.9/20

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

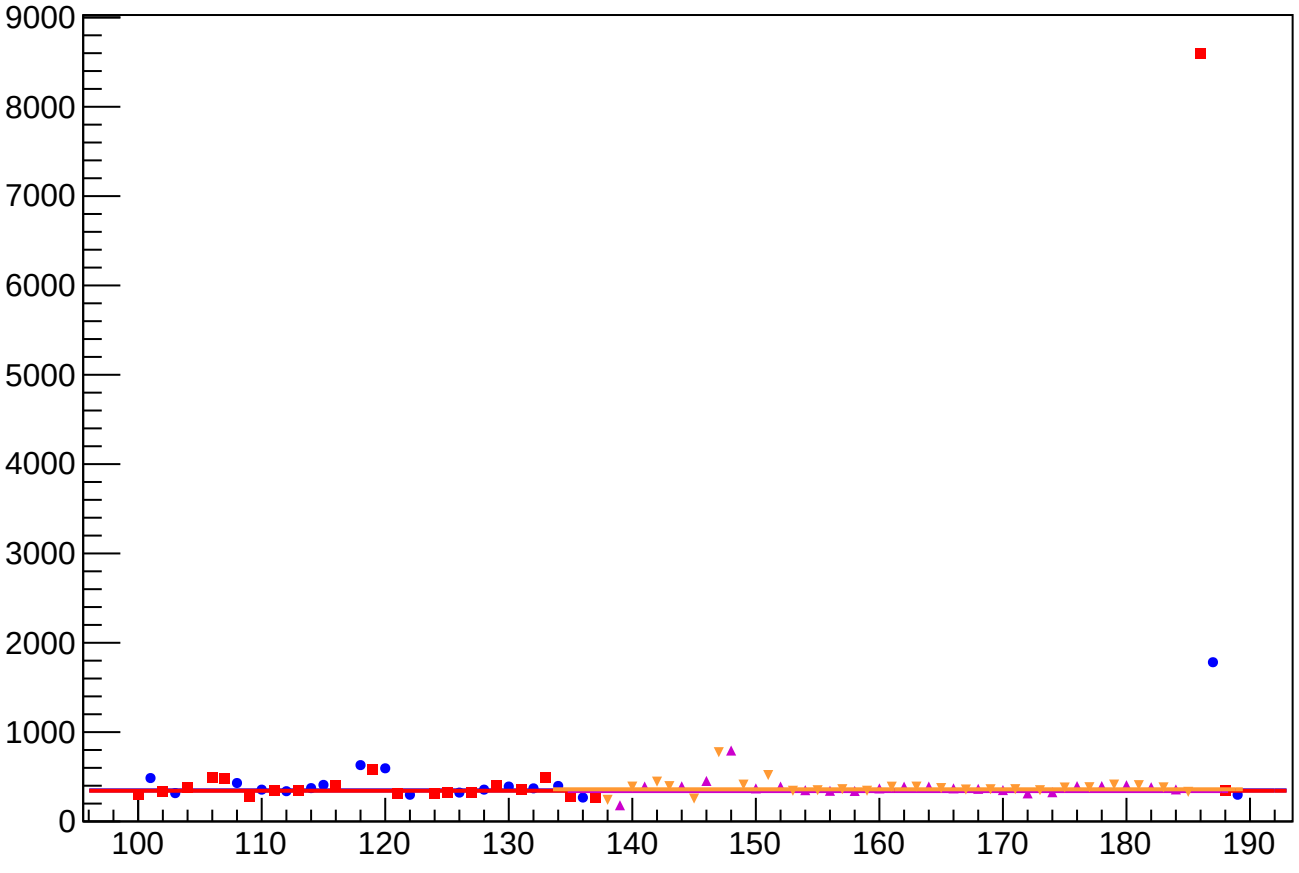
Right: -0.034+/-0.090 χ^2/NDF: 38.8/38

In: -0.007+/-0.070 χ^2/NDF:25.2/40

Out: 0.047+/-0.070 χ^2/NDF:48.4/45

All: 0.020+/-0.049 χ^2/NDF: 73.9/86

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 347.871+/-0.092 χ^2/NDF: 944525.1/17

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 343.686+/-0.088 χ^2/NDF: 1309455.5/20

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

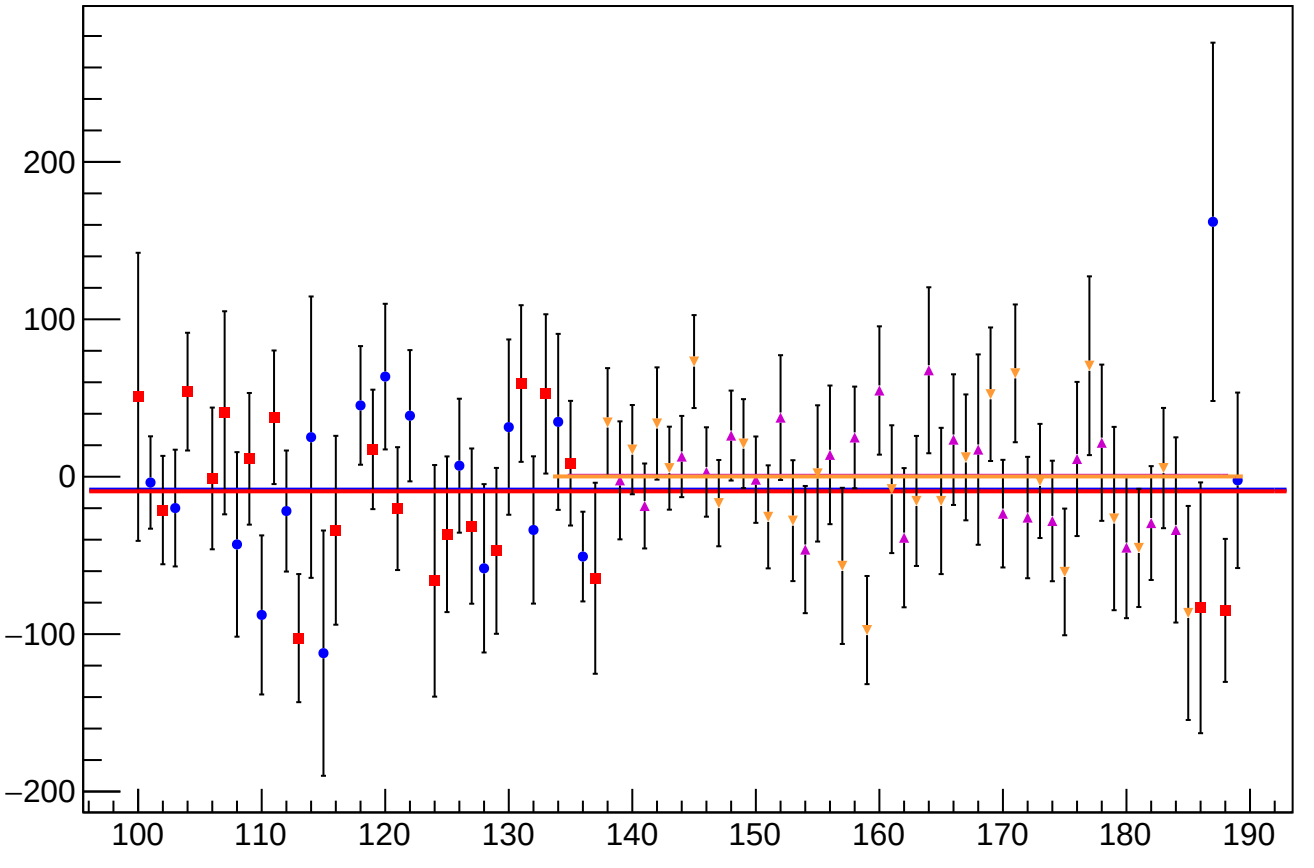
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 345.685+/-0.063 χ^2/NDF: 2255068.6/38

In: 342.294+/-0.049 χ^2/NDF:3174826.4/40

Out: 354.857+/-0.049 χ^2/NDF:2672940.3/45

All: 348.583+/-0.035 χ^2/NDF: 5880200.4/86



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

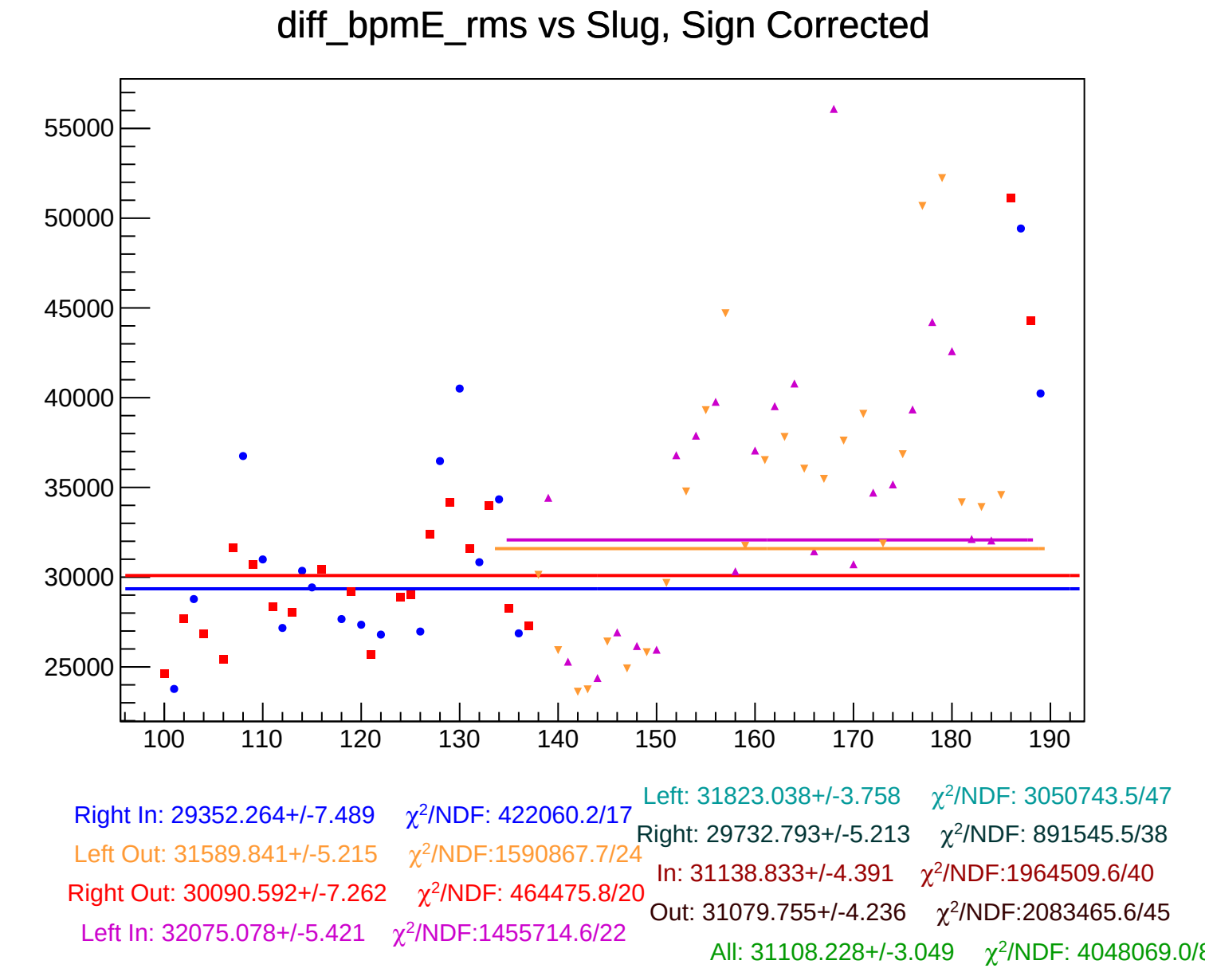
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.757+/-7.373 χ^2/NDF: 38.8/38

In: -2.436+/-6.210 χ^2/NDF:30.8/40

Out: -3.046+/-5.990 χ^2/NDF:52.9/45

All: -2.752+/-4.312 χ^2/NDF: 83.7/86


diff_bpmE_rms vs Slug, Sign Corrected
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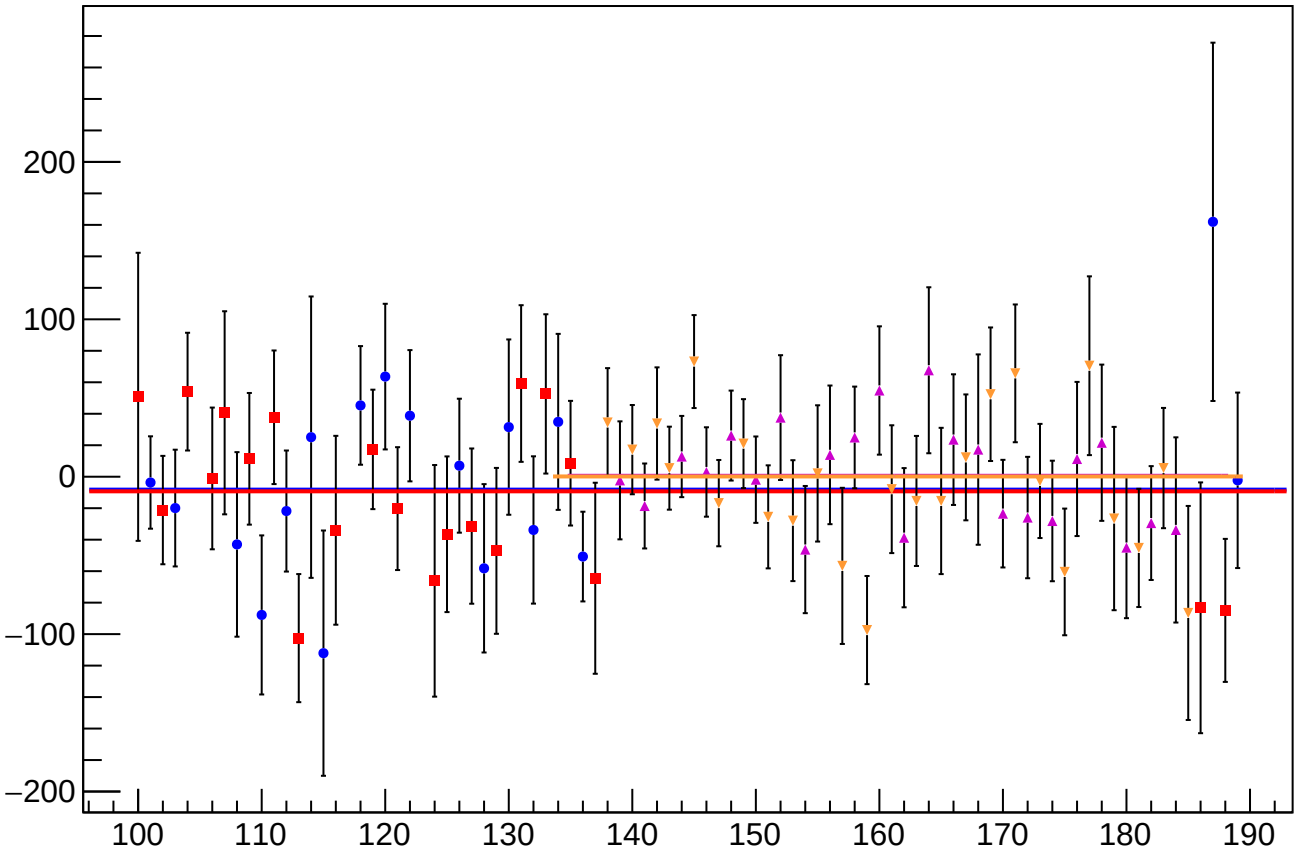
Right In: 29352.264+/-7.489 χ²/NDF: 422060.2/17
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30090.592+/-7.262 χ²/NDF: 464475.8/20
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 29732.793+/-5.213 χ²/NDF: 891545.5/38
In: 31138.833+/-4.391 χ²/NDF:1964509.6/40
Out: 31079.755+/-4.236 χ²/NDF:2083465.6/45
All: 31108.228+/-3.049 χ²/NDF: 4048069.0/8



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

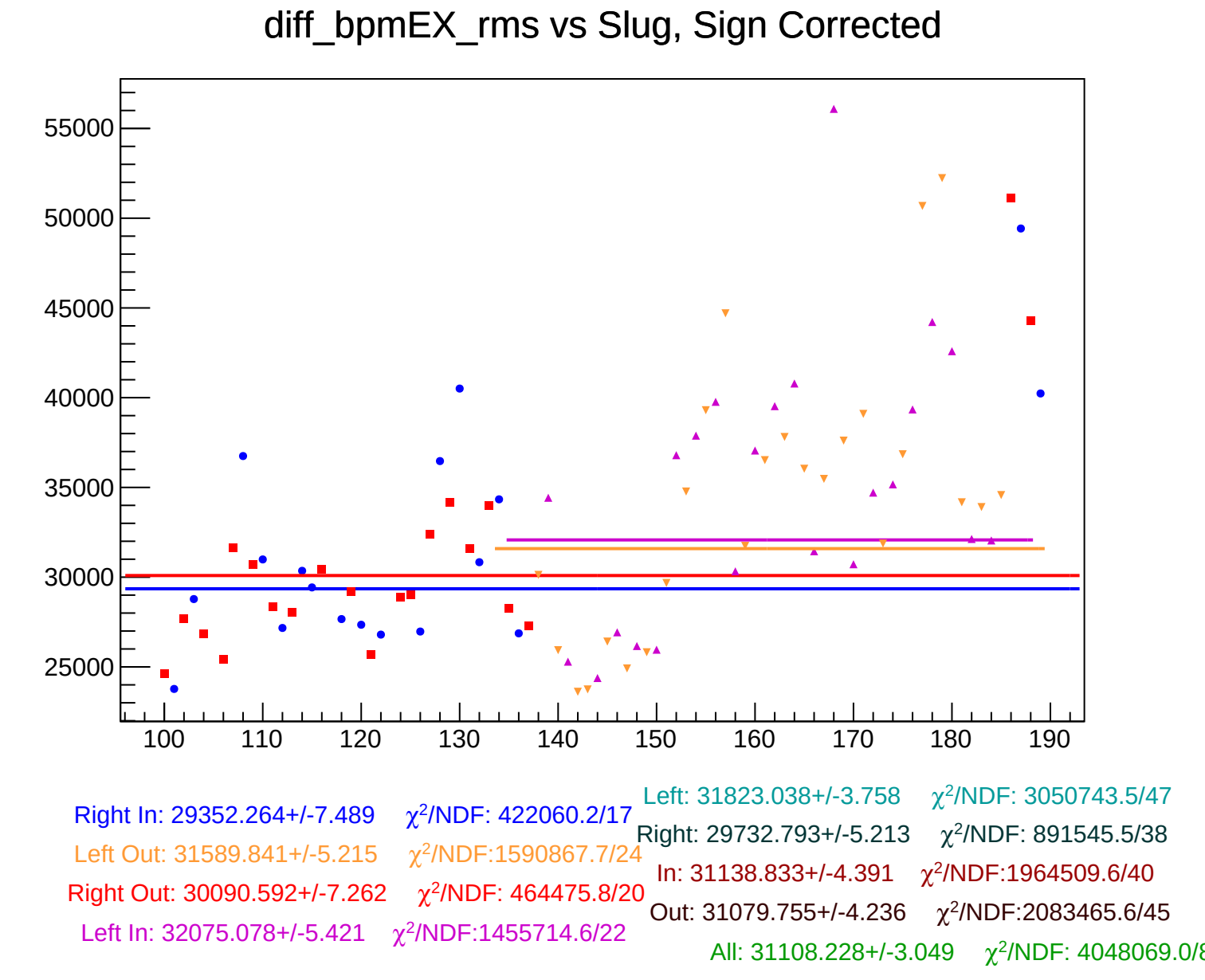
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.757+/-7.373 χ^2/NDF: 38.8/38

In: -2.436+/-6.210 χ^2/NDF:30.8/40

Out: -3.046+/-5.990 χ^2/NDF:52.9/45

All: -2.752+/-4.312 χ^2/NDF: 83.7/86


diff_bpmEX_rms vs Slug, Sign Corrected
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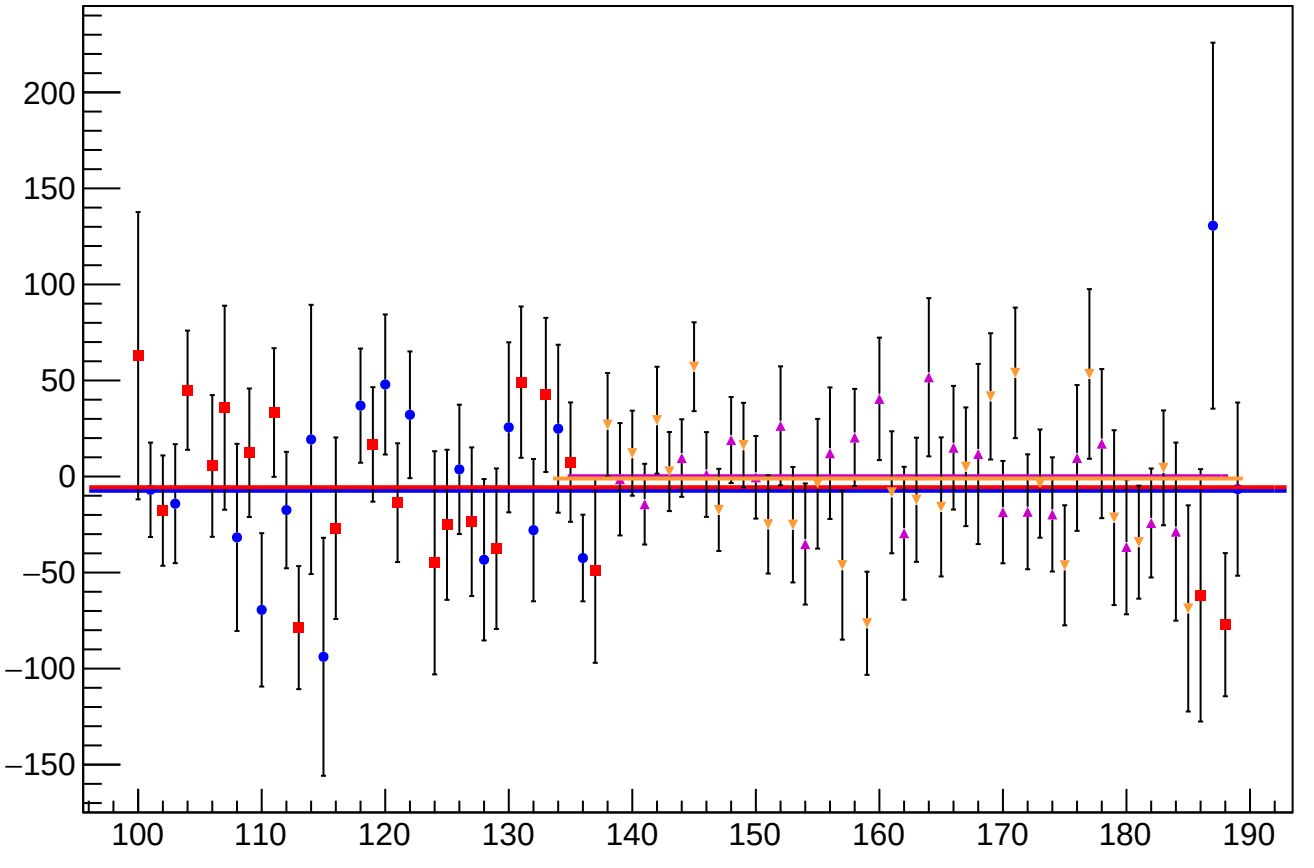
Right In: 29352.264+/-7.489 χ²/NDF: 422060.2/17
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30090.592+/-7.262 χ²/NDF: 464475.8/20
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 29732.793+/-5.213 χ²/NDF: 891545.5/38
In: 31138.833+/-4.391 χ²/NDF:1964509.6/40
Out: 31079.755+/-4.236 χ²/NDF:2083465.6/45
All: 31108.228+/-3.049 χ²/NDF: 4048069.0/8



Right In: -7.422+/-8.488 χ^2/NDF: 17.6/17

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -5.575+/-8.227 χ^2/NDF: 22.3/20

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

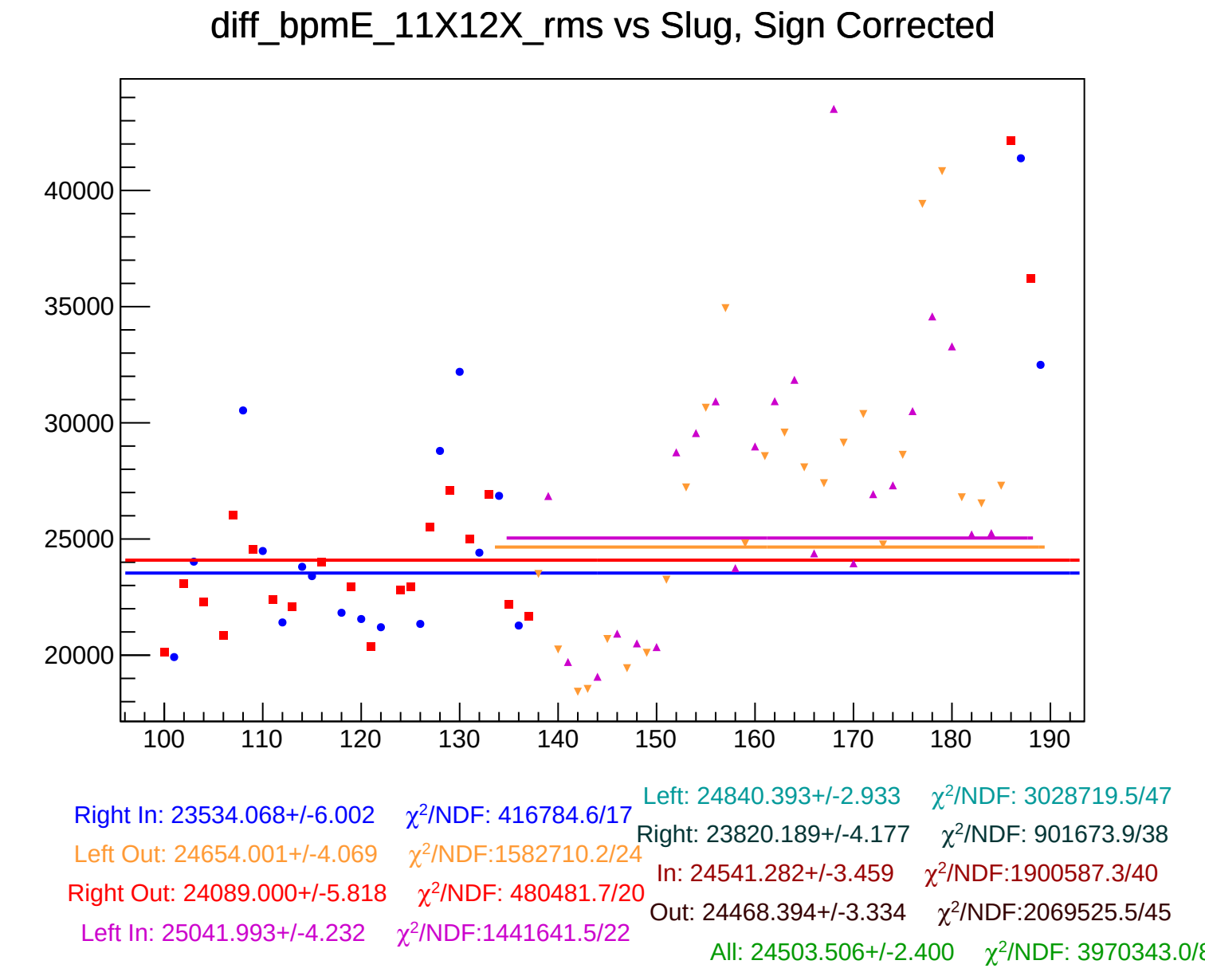
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -6.470+/-5.908 χ^2/NDF: 40.0/38

In: -2.367+/-4.891 χ^2/NDF:30.3/40

Out: -2.531+/-4.716 χ^2/NDF:54.9/45

All: -2.452+/-3.395 χ^2/NDF: 85.1/86


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
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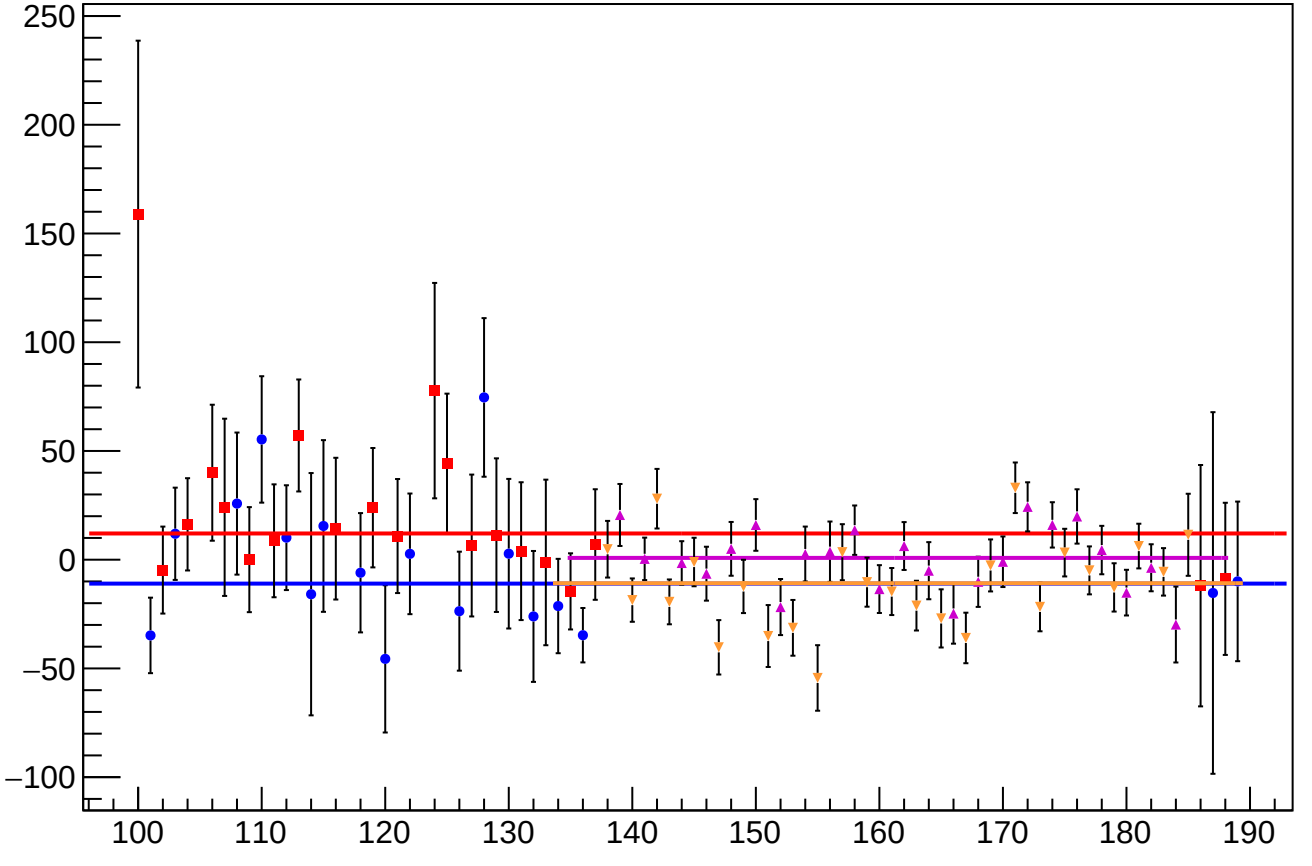
Right In: 23534.068+/-6.002 χ²/NDF: 416784.6/17
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 24089.000+/-5.818 χ²/NDF: 480481.7/20
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 23820.189+/-4.177 χ²/NDF: 901673.9/38
In: 24541.282+/-3.459 χ²/NDF:1900587.3/40
Out: 24468.394+/-3.334 χ²/NDF:2069525.5/45
All: 24503.506+/-2.400 χ²/NDF: 3970343.0/8

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -10.997+/-6.054 χ^2/NDF: 22.0/17

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 12.059+/-6.238 χ^2/NDF: 14.4/20

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

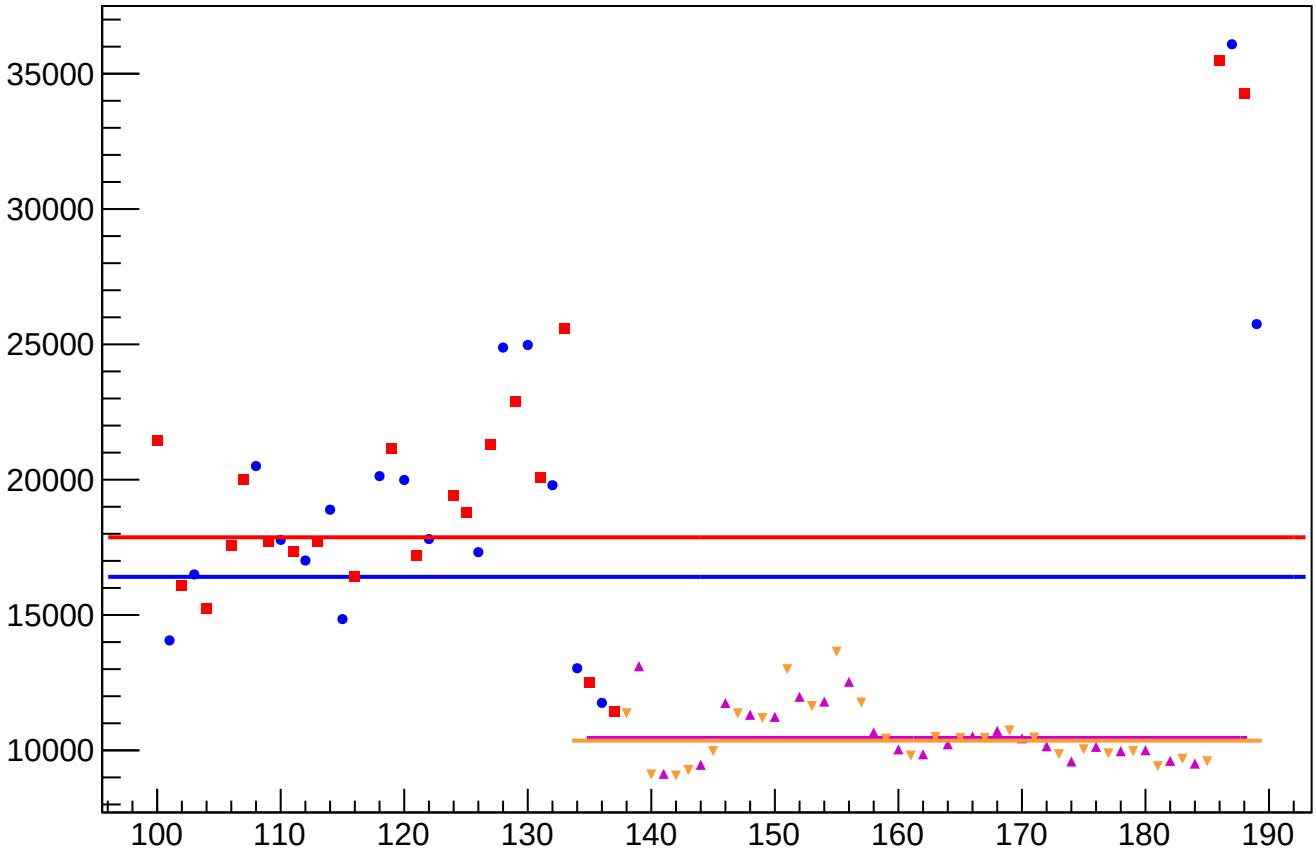
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

Right: 0.185+/-4.345 χ^2/NDF: 43.5/38

In: -0.846+/-2.277 χ^2/NDF:54.7/40

Out: -7.936+/-2.216 χ^2/NDF:87.5/45

All: -4.487+/-1.588 χ^2/NDF: 147.1/86


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
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120
130
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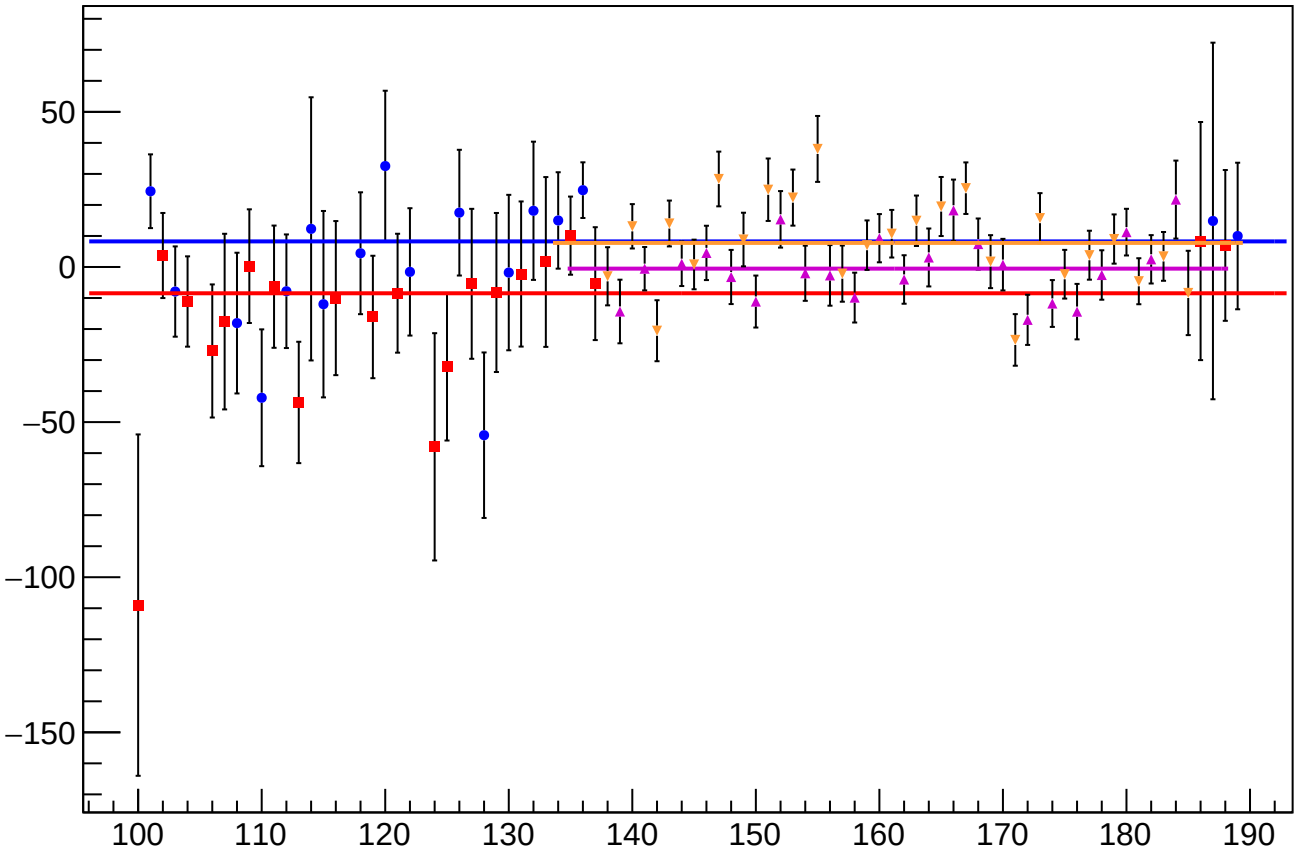
150
160
170
180
190
Right In: 16410.583+/-4.281 χ²/NDF: 971455.9/17
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 17870.853+/-4.411 χ²/NDF: 1205320.7/20
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 17118.808+/-3.072 χ²/NDF: 2233211.6/38
In: 11300.733+/-1.610 χ²/NDF:2945604.1/40
Out: 11306.094+/-1.567 χ²/NDF:4102795.6/45
All: 11303.486+/-1.123 χ²/NDF: 7048405.3/8



Right In: 8.250+/-4.335 χ^2/NDF: 21.8/17

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -8.473+/-4.495 χ^2/NDF: 14.5/20

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

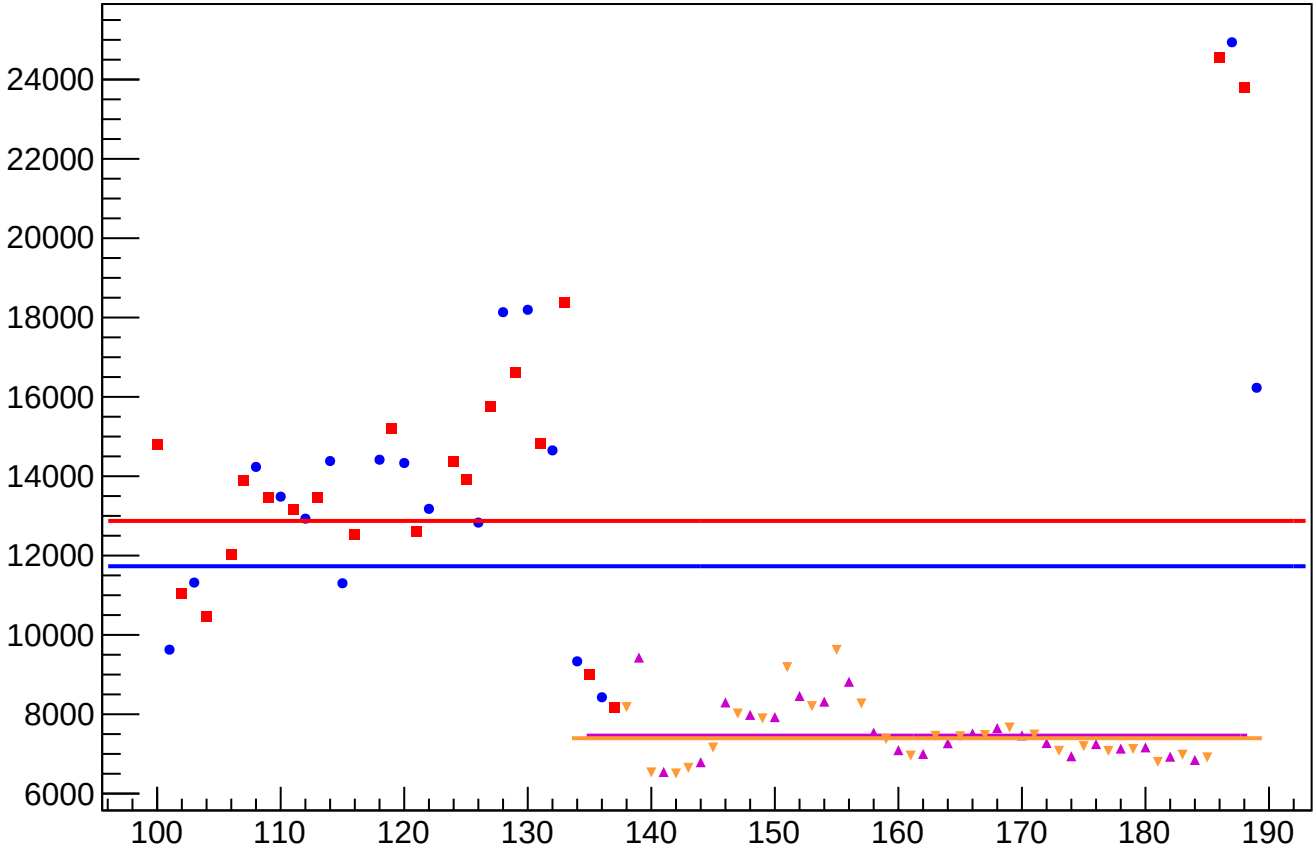
Right: 0.192+/-3.120 χ^2/NDF: 43.5/38

In: 0.701+/-1.624 χ^2/NDF:54.8/40

Out: 5.750+/-1.583 χ^2/NDF:86.9/45

All: 3.290+/-1.134 χ^2/NDF: 146.6/86

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11730.910+/-3.065 χ^2/NDF: 973853.2/17

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 12873.807+/-3.179 χ^2/NDF: 1218510.6/20

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

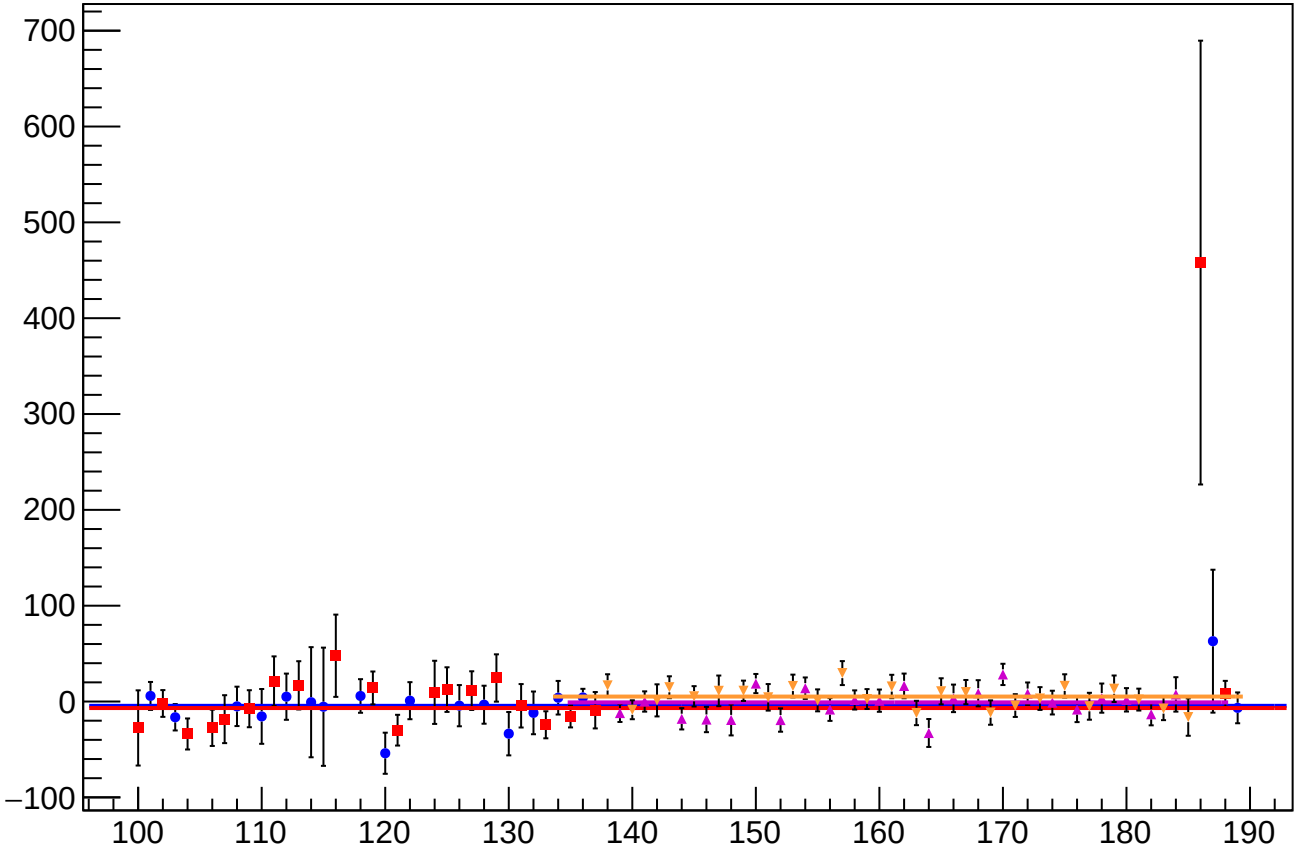
Right: 12281.591+/-2.206 χ^2/NDF: 2259349.0/38

In: 8060.367+/-1.149 χ^2/NDF:2926053.5/40

Out: 8075.053+/-1.119 χ^2/NDF:4144644.9/45

All: 8067.899+/-0.802 χ^2/NDF: 7070782.2/86

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -4.494+/-4.374 χ^2/NDF: 11.1/17

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -6.807+/-4.177 χ^2/NDF: 22.6/20

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

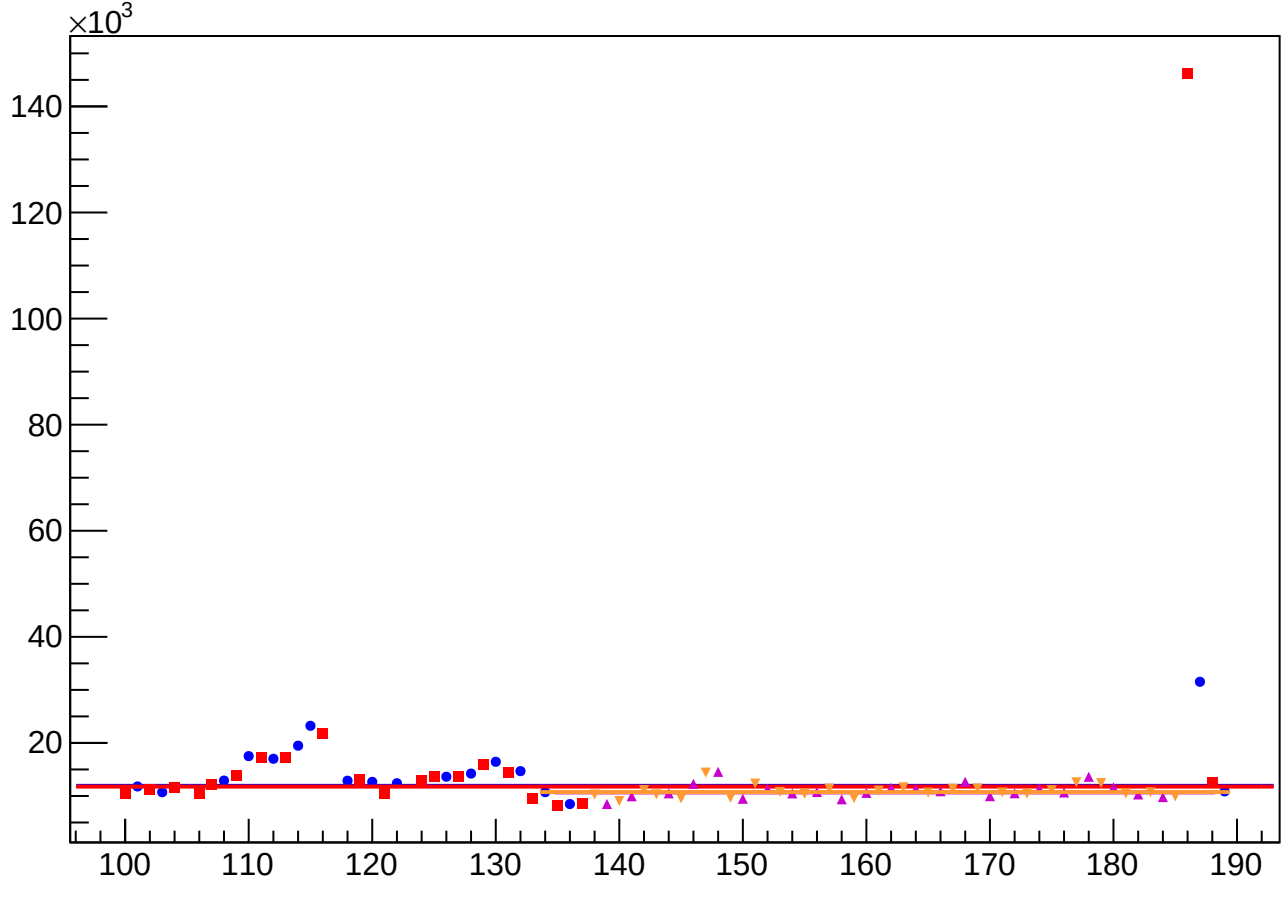
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -5.704+/-3.021 χ^2/NDF: 33.8/38

In: -1.788+/-2.183 χ^2/NDF:43.4/40

Out: 2.093+/-2.119 χ^2/NDF:47.1/45

All: 0.210+/-1.520 χ^2/NDF: 92.1/86



Right In: 11906.328+/-3.093 χ^2/NDF: 896625.4/17

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11770.188+/-2.954 χ^2/NDF: 1472095.9/20

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

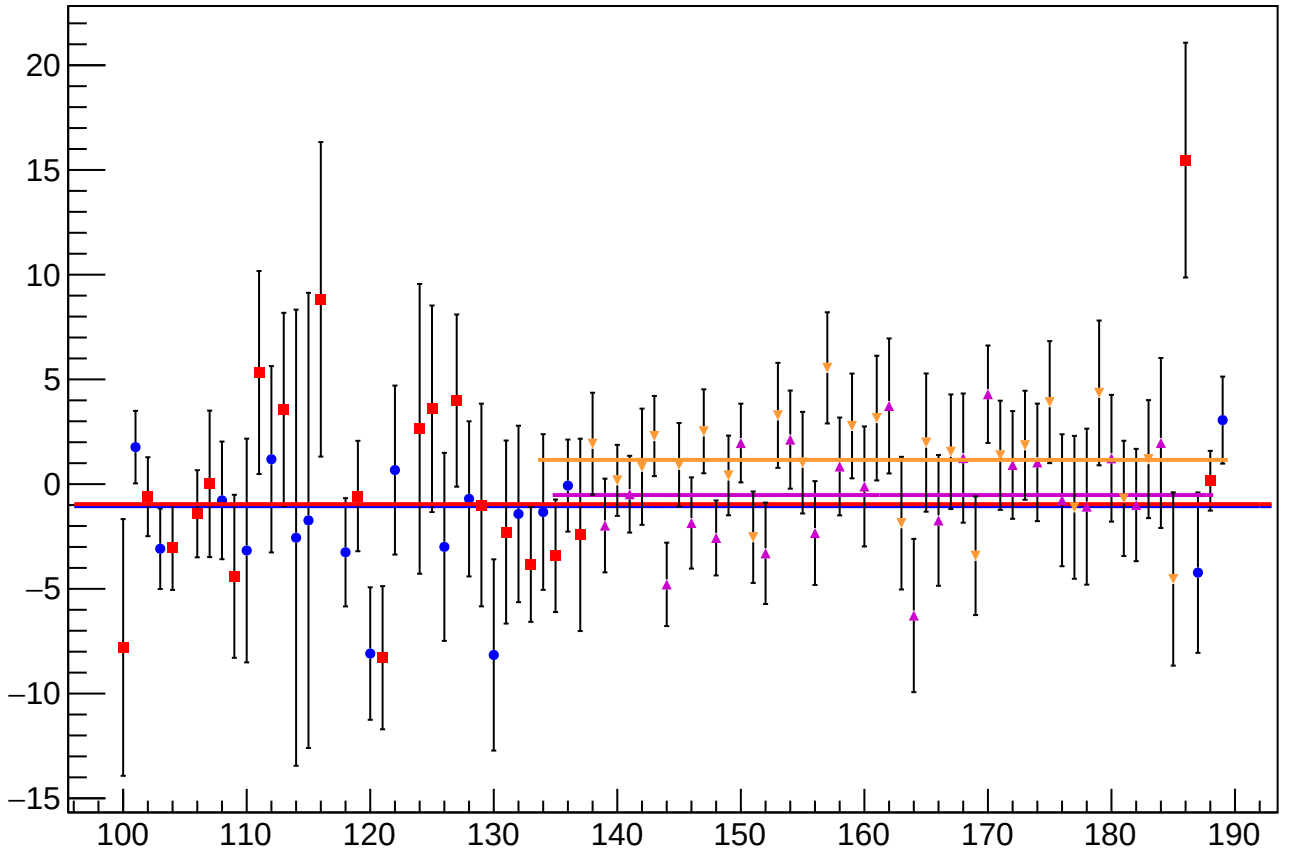
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 11835.119+/-2.136 χ^2/NDF: 2369734.6/38

In: 10983.159+/-1.543 χ^2/NDF:1515799.8/40

Out: 11000.451+/-1.498 χ^2/NDF:1931823.0/45

All: 10992.061+/-1.075 χ^2/NDF: 3447687.4/8


diff_bpm4aediffY_mean vs Slug, Sign Corrected
20
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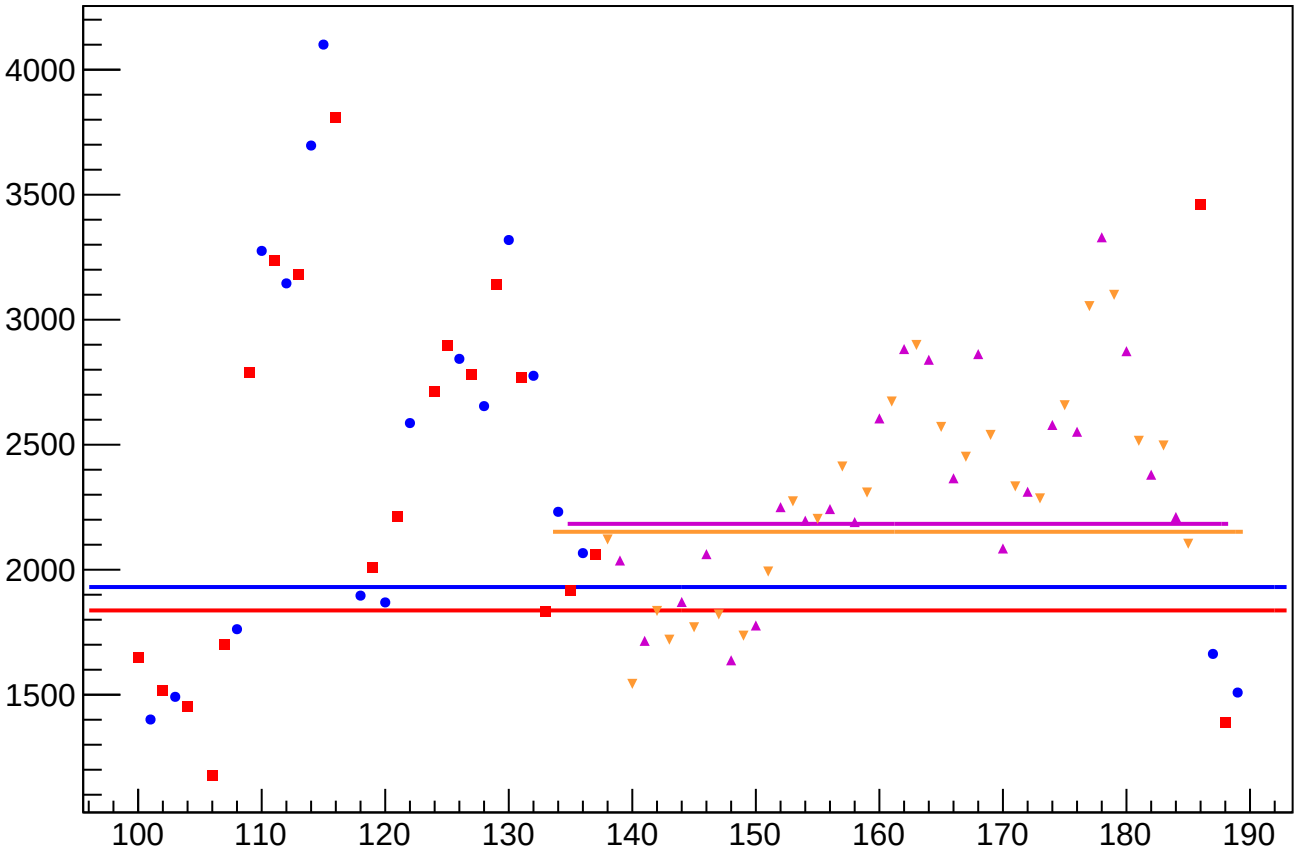
150
160
170
180
190
Right In: -1.051+/-0.716 χ²/NDF: 17.5/17
Left Out: 1.158+/-0.500 χ²/NDF:16.8/24
Right Out: -0.956+/-0.656 χ²/NDF: 26.1/20
Left In: -0.522+/-0.520 χ²/NDF:22.3/22
Left: 0.350+/-0.360 χ²/NDF: 44.6/47
Right: -0.999+/-0.483 χ²/NDF: 43.6/38
In: -0.704+/-0.421 χ²/NDF:40.2/40
Out: 0.380+/-0.398 χ²/NDF:49.5/45
All: -0.132+/-0.289 χ²/NDF: 93.2/86



Right In: 1930.727+/-0.506 χ^2/NDF: 1298387.2/17

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1837.128+/-0.464 χ^2/NDF: 1799591.6/20

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

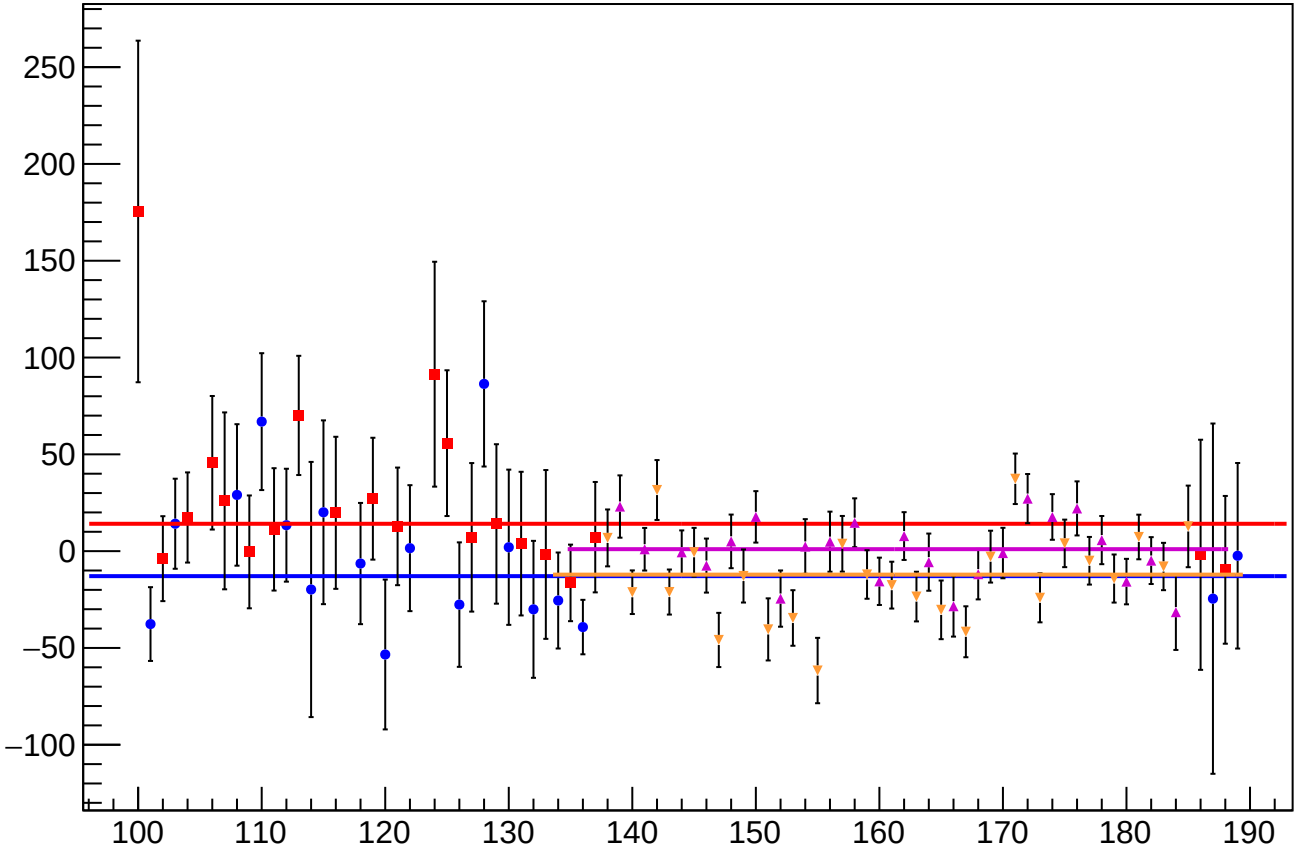
Right: 1879.811+/-0.342 χ^2/NDF: 3116573.9/38

In: 2096.222+/-0.297 χ^2/NDF:2623870.5/40

Out: 2035.993+/-0.281 χ^2/NDF:3440354.0/45

All: 2064.413+/-0.204 χ^2/NDF: 6085877.4/86

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -12.910+/-6.932 χ^2/NDF: 21.9/17

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 14.134+/-7.138 χ^2/NDF: 14.8/20

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

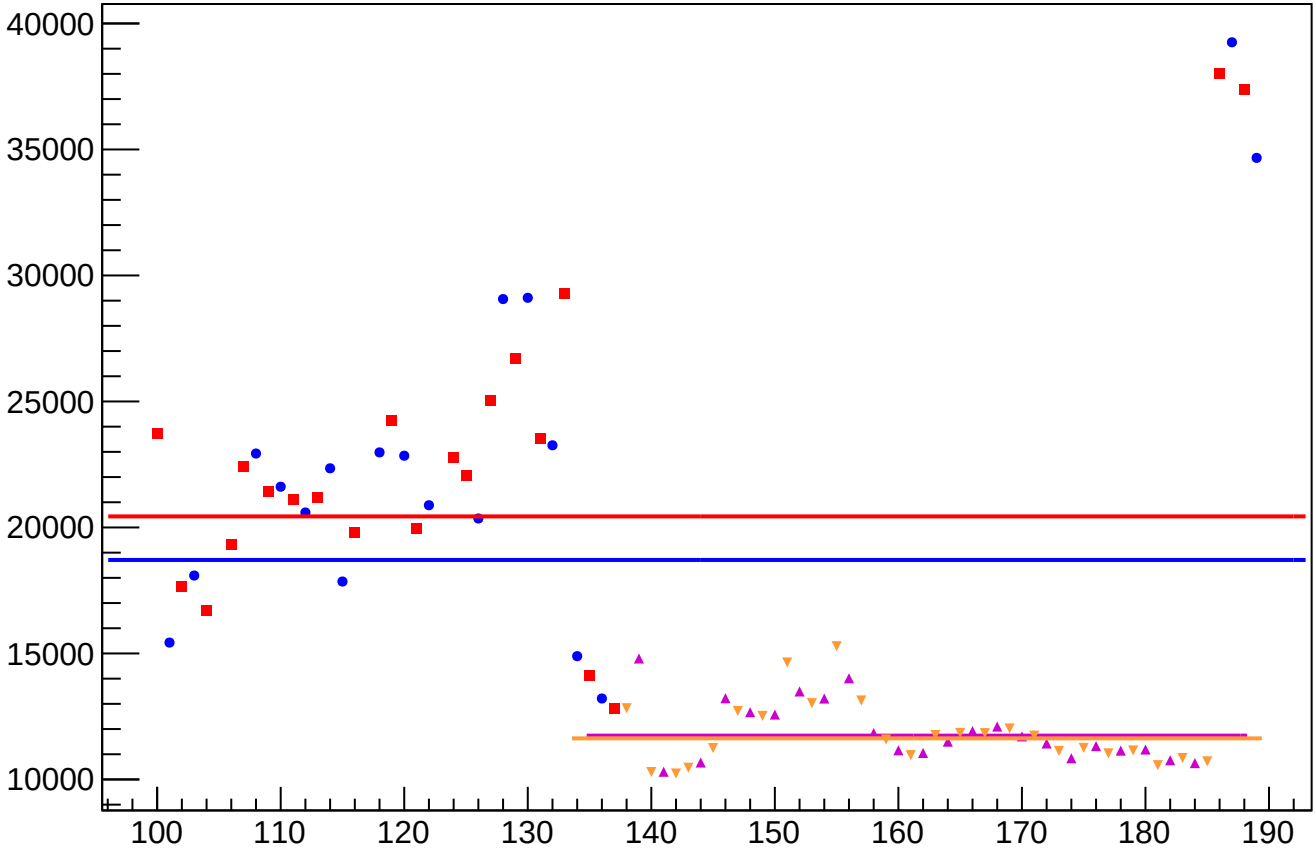
Right: 0.216+/-4.973 χ^2/NDF: 44.1/38

In: -0.880+/-2.562 χ^2/NDF:54.2/40

Out: -8.929+/-2.493 χ^2/NDF:89.4/45

All: -5.014+/-1.787 χ^2/NDF: 148.6/86

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18710.342+/-4.901 χ^2/NDF: 1153561.2/17

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 20438.905+/-5.047 χ^2/NDF: 1220811.0/20

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

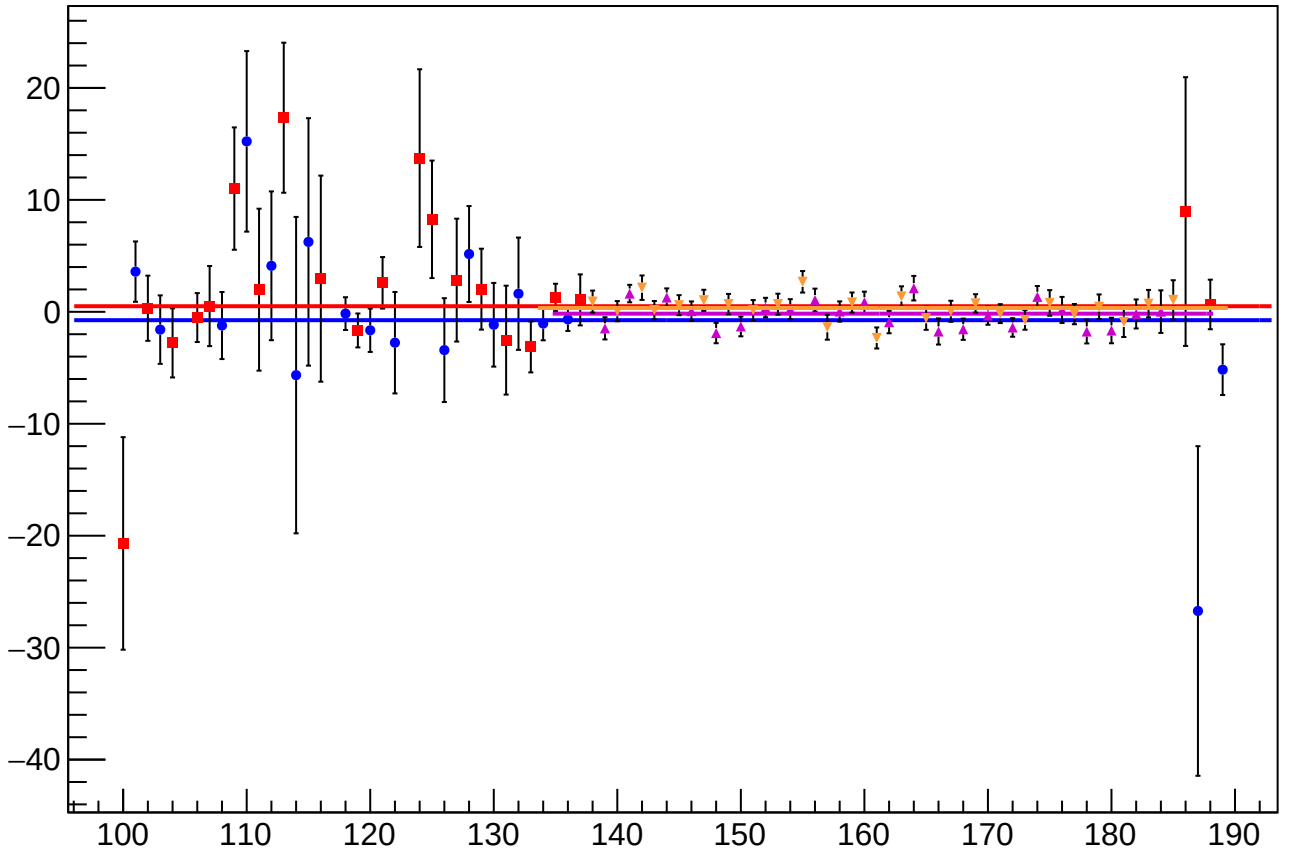
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 19549.328+/-3.516 χ^2/NDF: 2434739.5/38

In: 12691.014+/-1.812 χ^2/NDF:3213994.1/40

Out: 12705.204+/-1.763 χ^2/NDF:4251273.8/45

All: 12698.302+/-1.264 χ^2/NDF: 7465299.4/8



Right In: -0.747+/-0.580 χ^2/NDF: 17.7/17

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.501+/-0.609 χ^2/NDF: 28.6/20

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

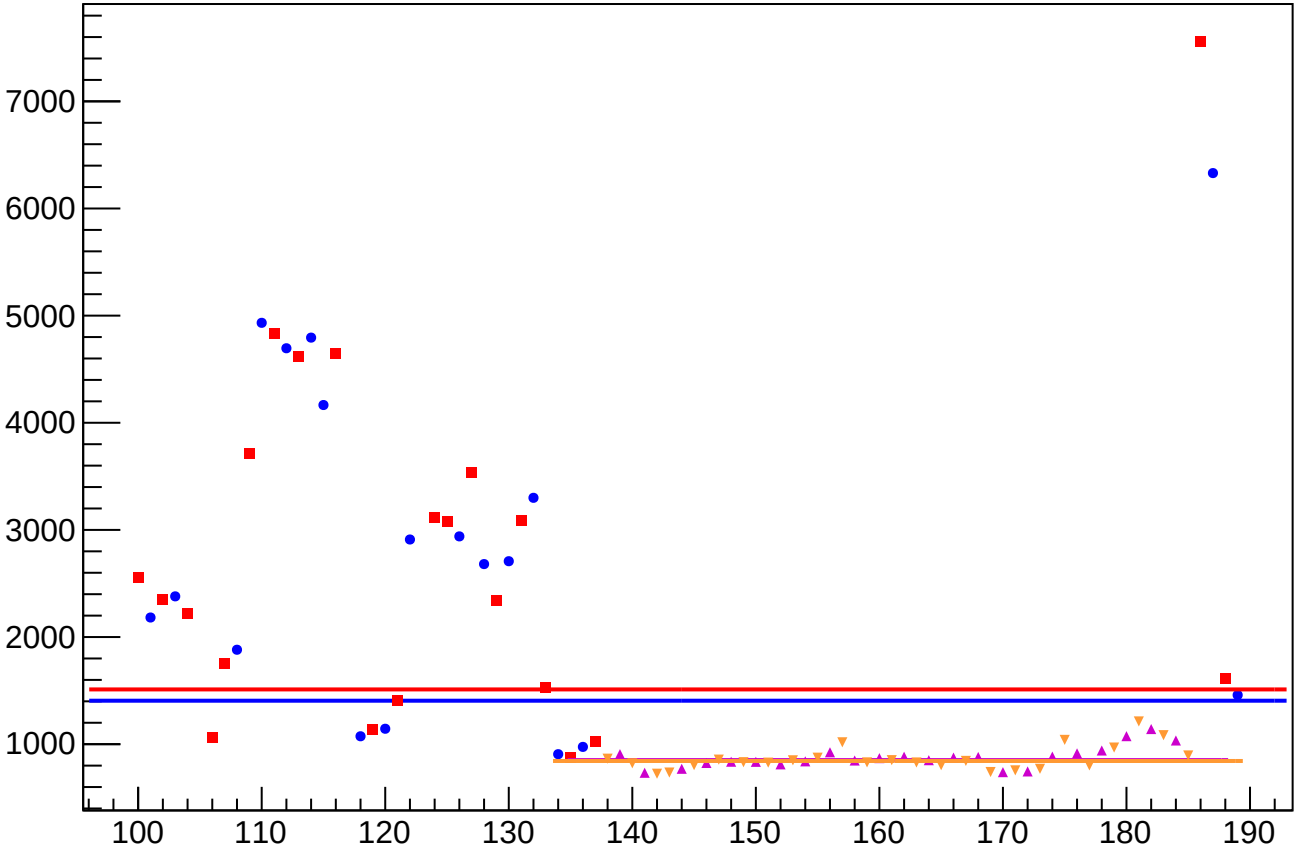
Right: -0.154+/-0.420 χ^2/NDF: 48.4/38

In: -0.227+/-0.190 χ^2/NDF:54.9/40

Out: 0.357+/-0.185 χ^2/NDF:55.4/45

All: 0.073+/-0.132 χ^2/NDF: 115.2/86

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1405.812+/-0.410 χ^2/NDF: 3606645.6/17

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1511.191+/-0.430 χ^2/NDF: 3913723.3/20

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

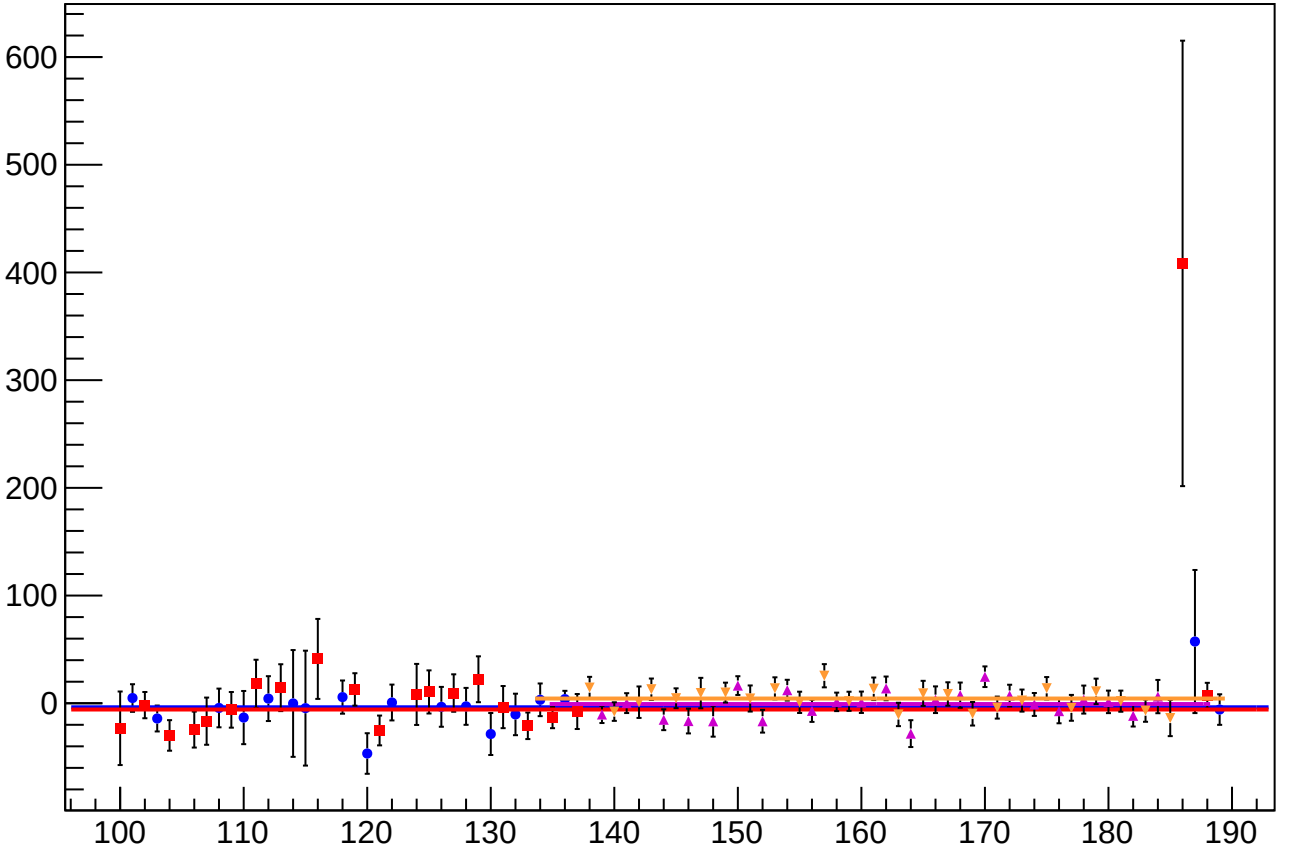
Right: 1455.935+/-0.297 χ^2/NDF: 7551805.2/38

In: 911.026+/-0.134 χ^2/NDF:5621173.8/40

Out: 904.726+/-0.131 χ^2/NDF:6605739.8/45

All: 907.789+/-0.094 χ^2/NDF: 12228045.8/86

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.742+/-3.793 χ^2/NDF: 10.9/17

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -5.808+/-3.626 χ^2/NDF: 22.6/20

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

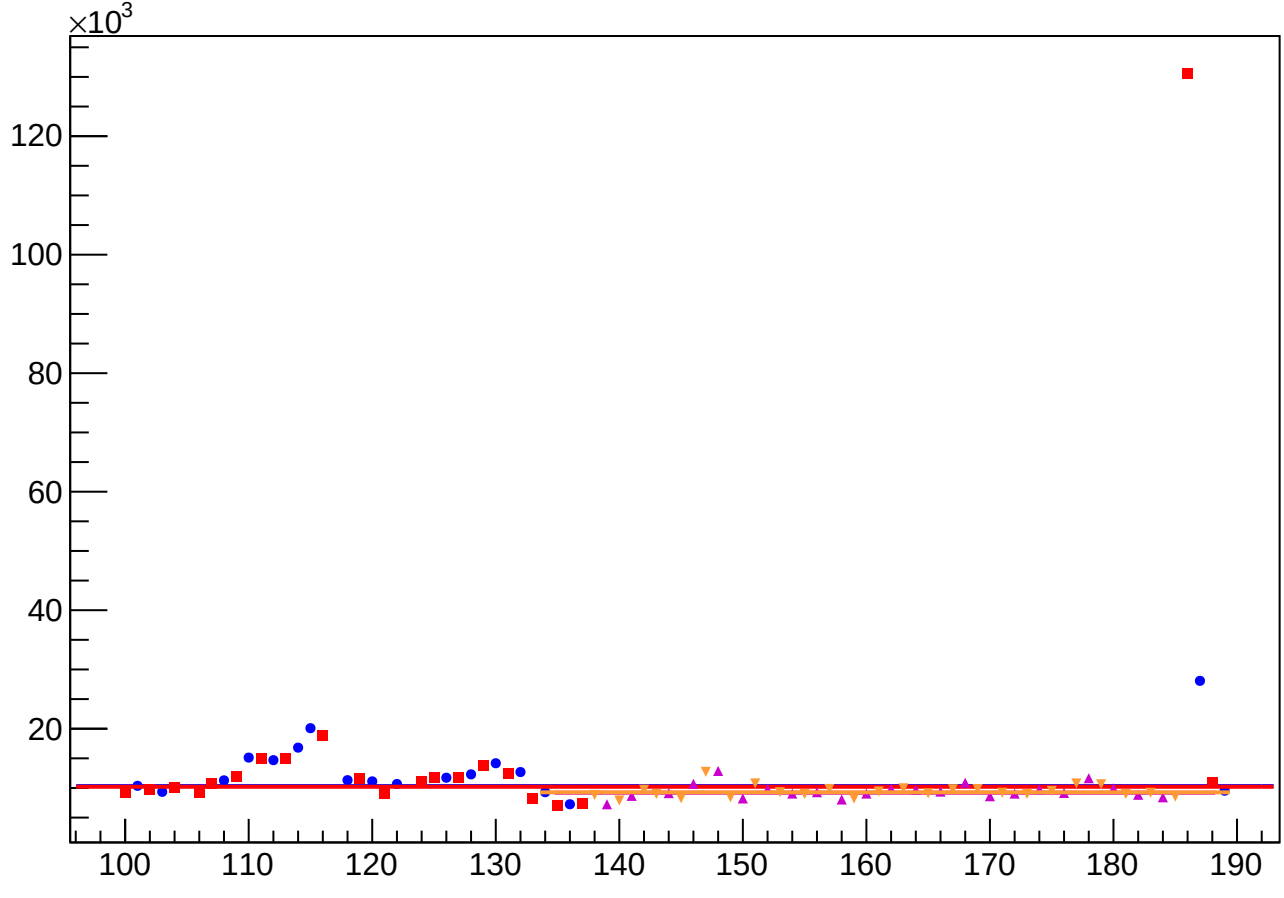
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -4.822+/-2.621 χ^2/NDF: 33.7/38

In: -1.476+/-1.884 χ^2/NDF:43.4/40

Out: 1.783+/-1.831 χ^2/NDF:47.1/45

All: 0.200+/-1.313 χ^2/NDF: 92.0/86



Right In: 10312.701+/-2.682 χ^2/NDF: 919505.4/17

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 10207.226+/-2.564 χ^2/NDF: 1480123.9/20

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

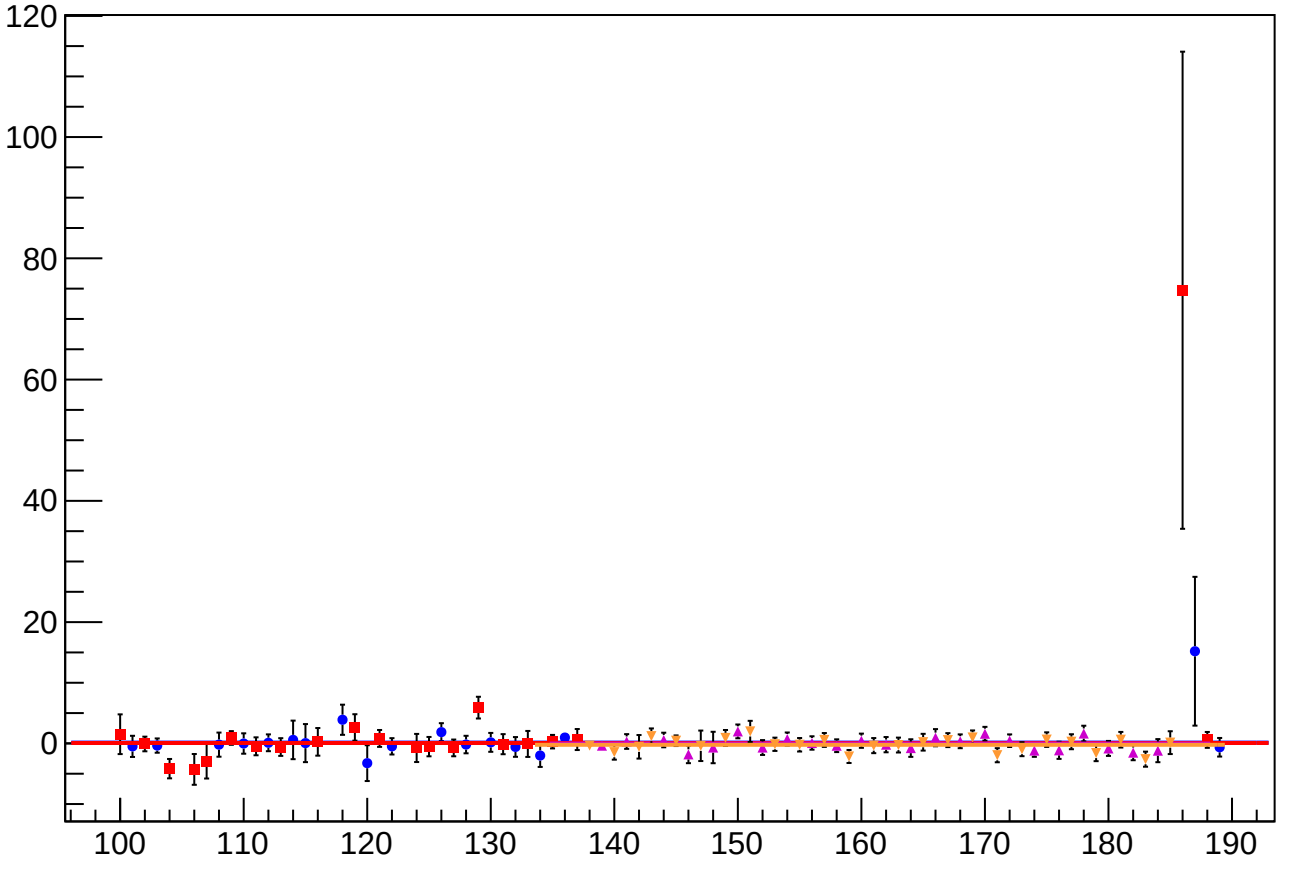
Right: 10257.583+/-1.853 χ^2/NDF: 2400437.4/38

In: 9474.155+/-1.332 χ^2/NDF:1564764.0/40

Out: 9502.783+/-1.295 χ^2/NDF:1947560.5/45

All: 9488.875+/-0.928 χ^2/NDF: 3512562.0/86

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.132+/-0.374 χ^2/NDF: 9.9/17

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.065+/-0.358 χ^2/NDF: 28.9/20

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

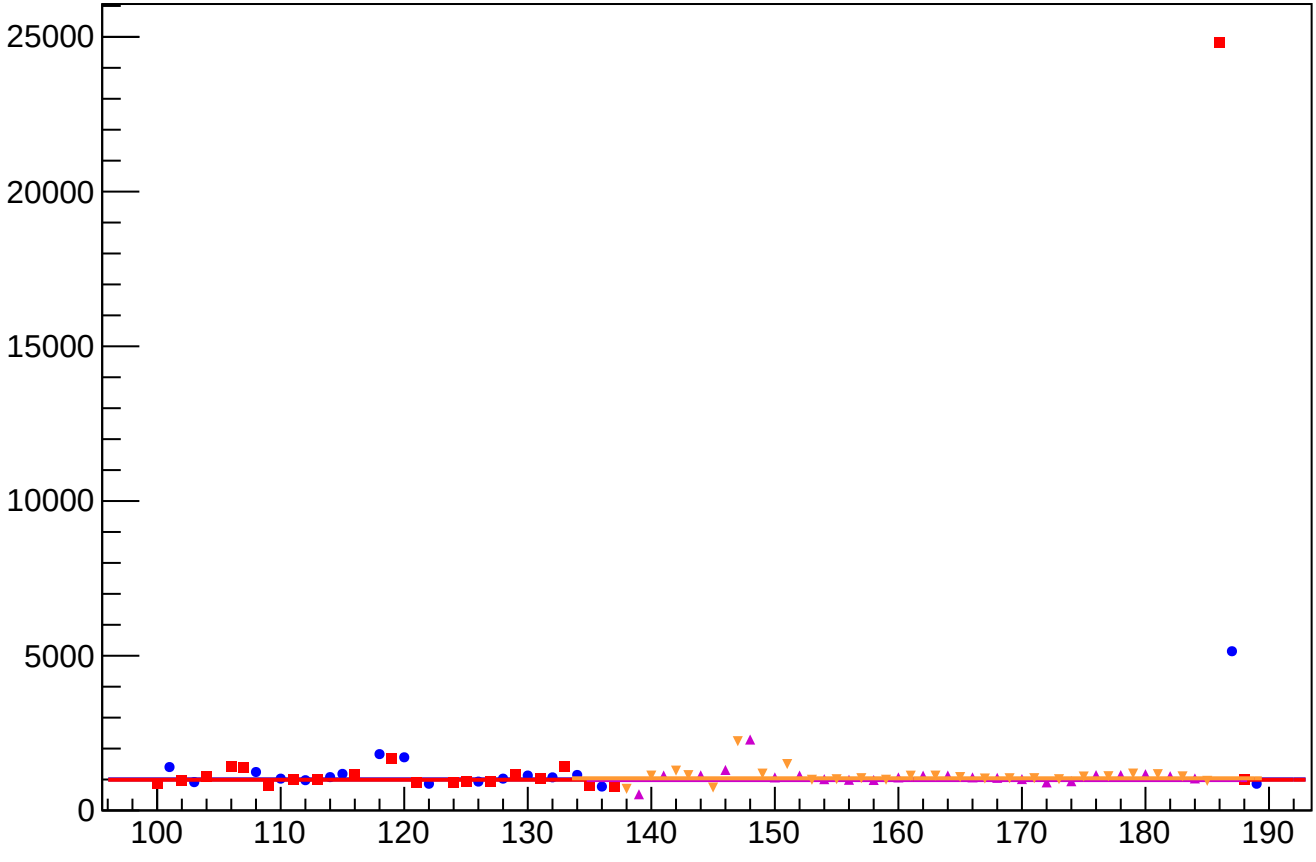
Right: 0.097+/-0.259 χ^2/NDF: 38.8/38

In: 0.021+/-0.202 χ^2/NDF:25.2/40

Out: -0.136+/-0.201 χ^2/NDF:48.4/45

All: -0.058+/-0.142 χ^2/NDF: 73.9/86

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1004.345+/-0.265 χ^2/NDF: 944525.1/17

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 992.262+/-0.253 χ^2/NDF: 1309455.5/20

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 998.033+/-0.183 χ^2/NDF: 2255068.6/38

In: 988.243+/-0.142 χ^2/NDF:3174826.4/40

Out: 1024.515+/-0.142 χ^2/NDF:2672940.3/45

All: 1006.399+/-0.101 χ^2/NDF: 5880200.4/86

yield_cav4bX_mean vs Slug, Sign Corrected

Right In: 139.337+/-0.000 χ^2/NDF: 48497369571.5/17

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774175671459287.8/20

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

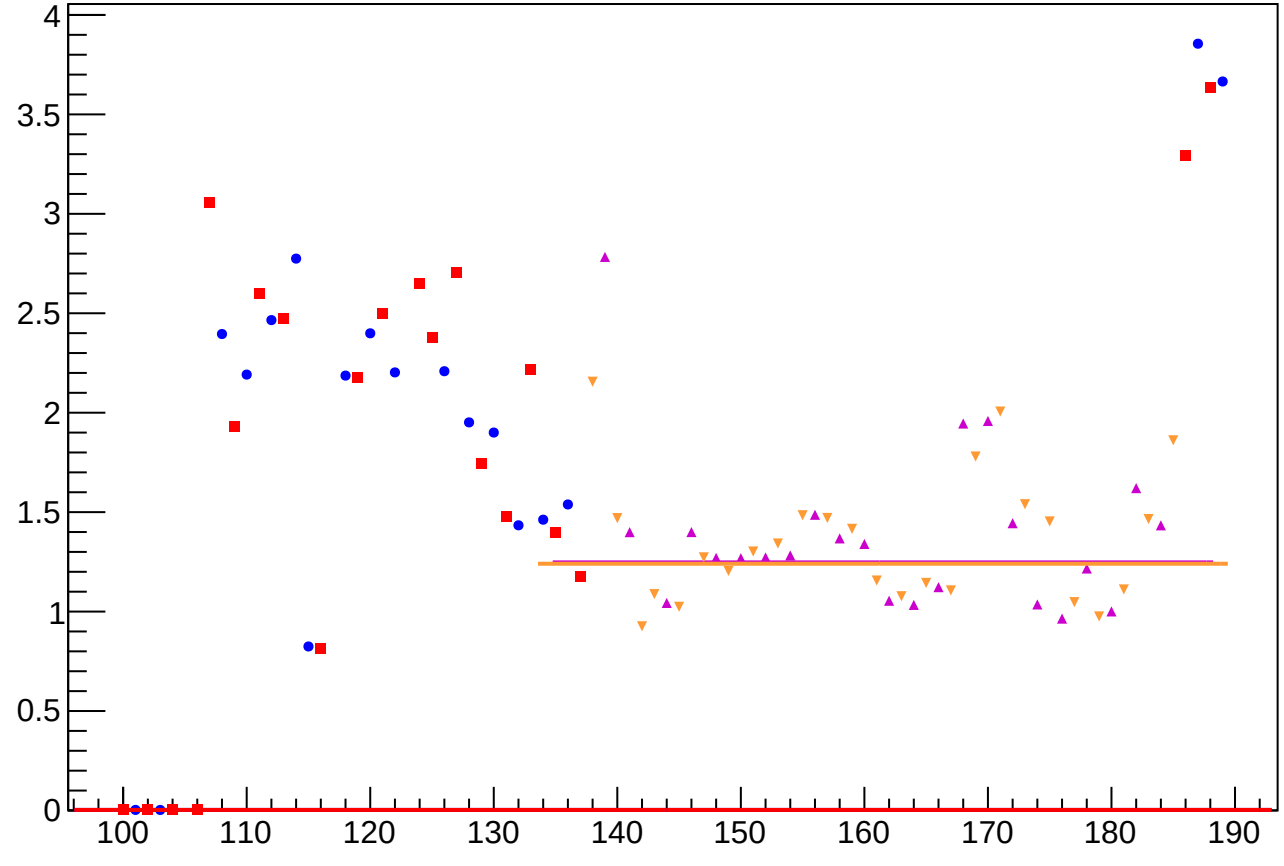
Right: 131.818+/-0.000 χ^2/NDF: 793009052448534

In: 139.328+/-0.000 χ^2/NDF:302897107856.0/40

Out: 125.384+/-0.000 χ^2/NDF:774406360404314.

All: 131.810+/-0.000 χ^2/NDF: 793491466709

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10908166.2/17

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12319601.1/20

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

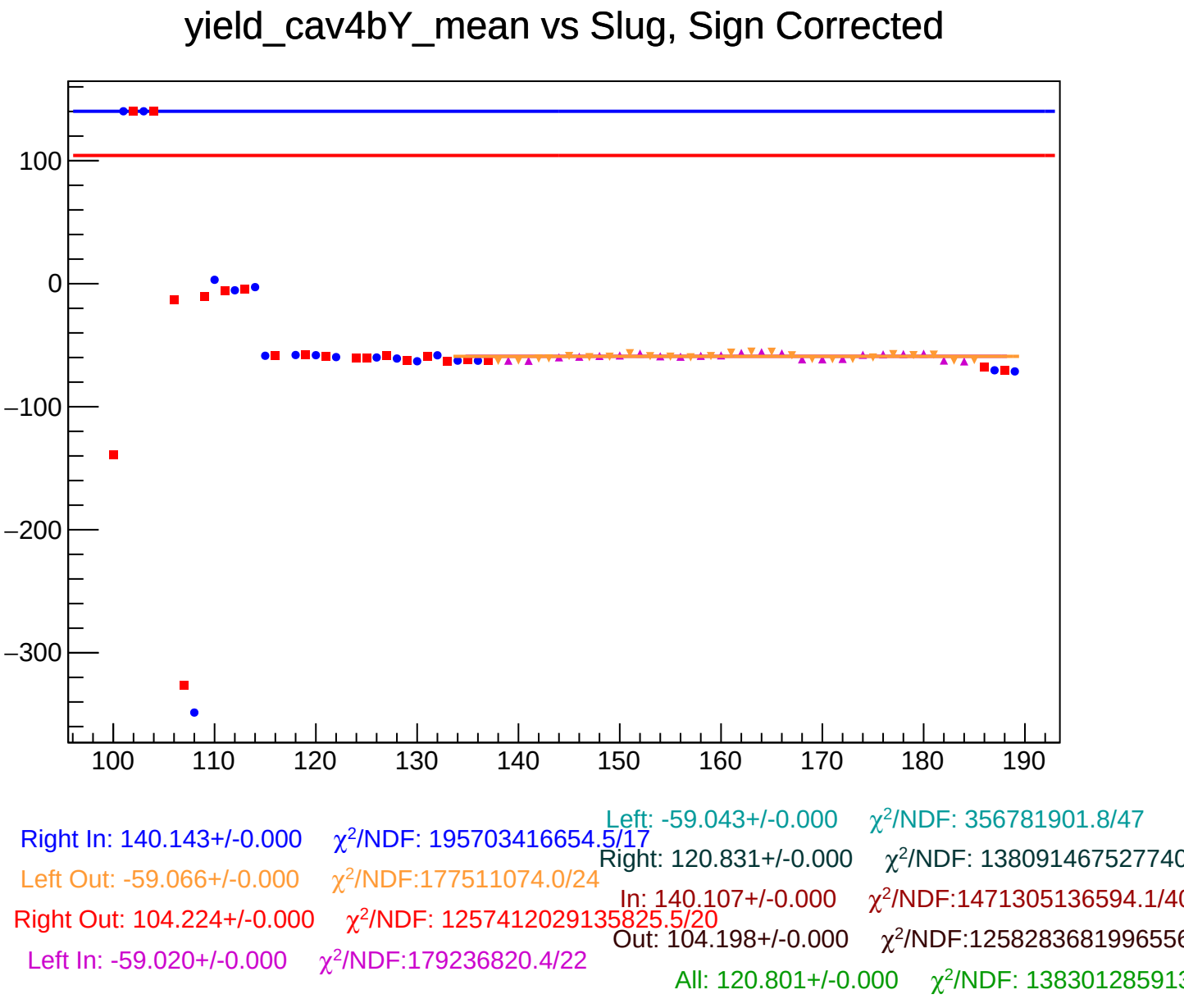
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 23227942.0/38

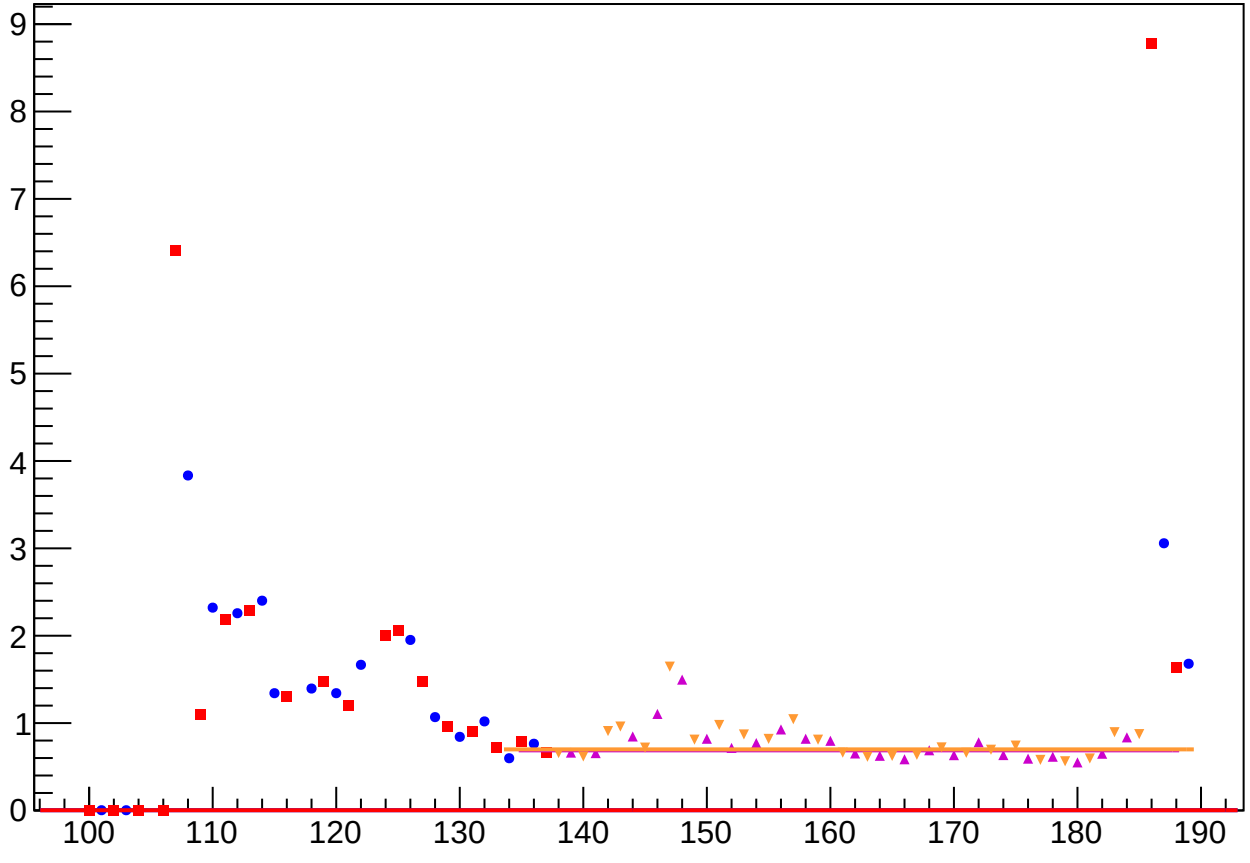
In: 0.003+/-0.000 χ^2/NDF:40673884.8/40

Out: 0.003+/-0.000 χ^2/NDF:43619908.4/45

All: 0.003+/-0.000 χ^2/NDF: 84294038.6/86


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
190
Right In: 140.143+/-0.000 χ²/NDF: 195703416654.5/17
Left Out: -59.066+/-0.000 χ²/NDF:177511074.0/24
Right Out: 104.224+/-0.000 χ²/NDF: 1257412029135825.5/20
Left In: -59.020+/-0.000 χ²/NDF:179236820.4/22
Left: -59.043+/-0.000 χ²/NDF: 356781901.8/47
Right: 120.831+/-0.000 χ²/NDF: 138091467527740
In: 140.107+/-0.000 χ²/NDF:1471305136594.1/40
Out: 104.198+/-0.000 χ²/NDF:125828368199655
All: 120.801+/-0.000 χ²/NDF: 138301285913

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11869631.2/17

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12802378.2/20

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

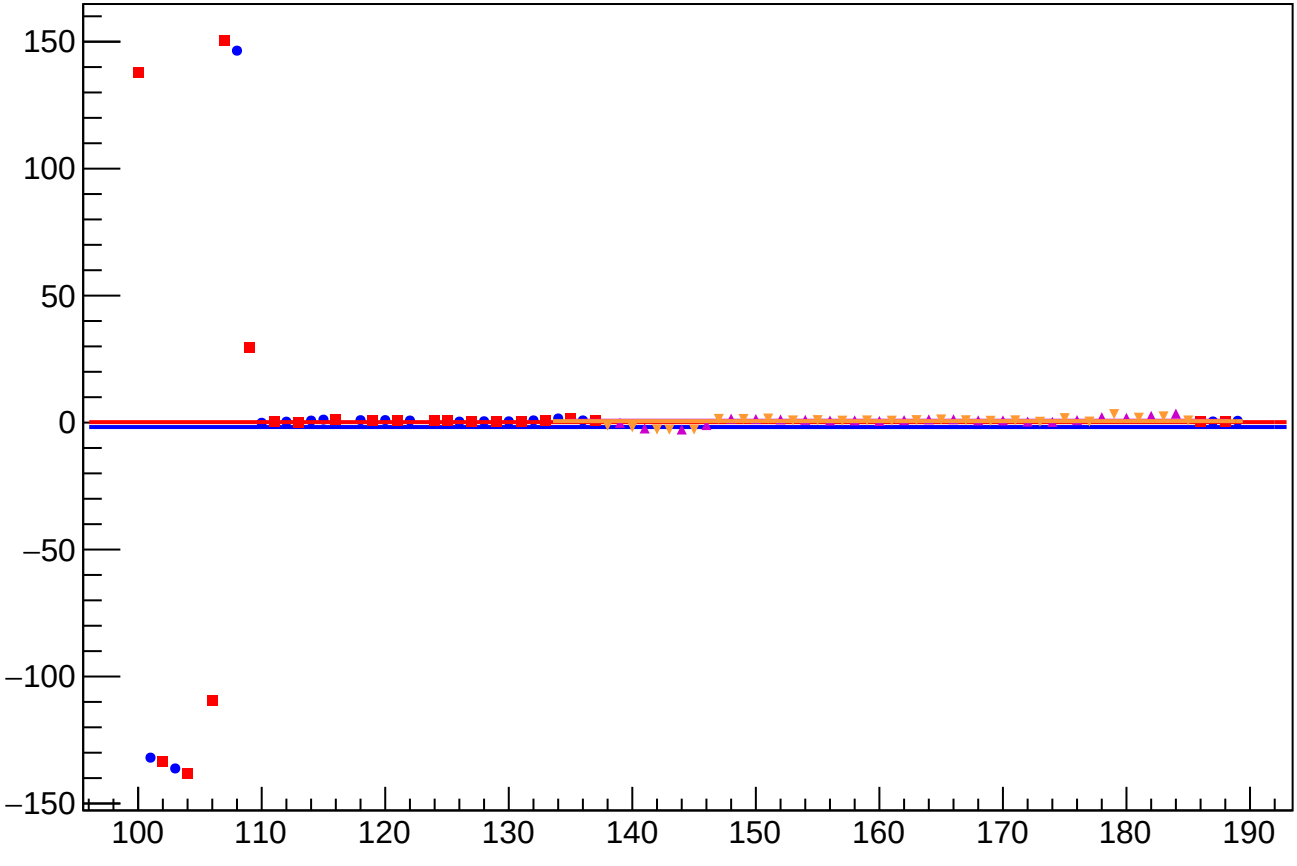
Right: 0.003+/-0.000 χ^2/NDF: 24672204.8/38

In: 0.003+/-0.000 χ^2/NDF:43176365.1/40

Out: 0.003+/-0.000 χ^2/NDF:45860307.2/45

All: 0.003+/-0.000 χ^2/NDF: 89037073.7/86

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.763+/-0.000 χ^2/NDF: 9889360057.5/17

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.175+/-0.000 χ^2/NDF: 3611269860.8/20

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

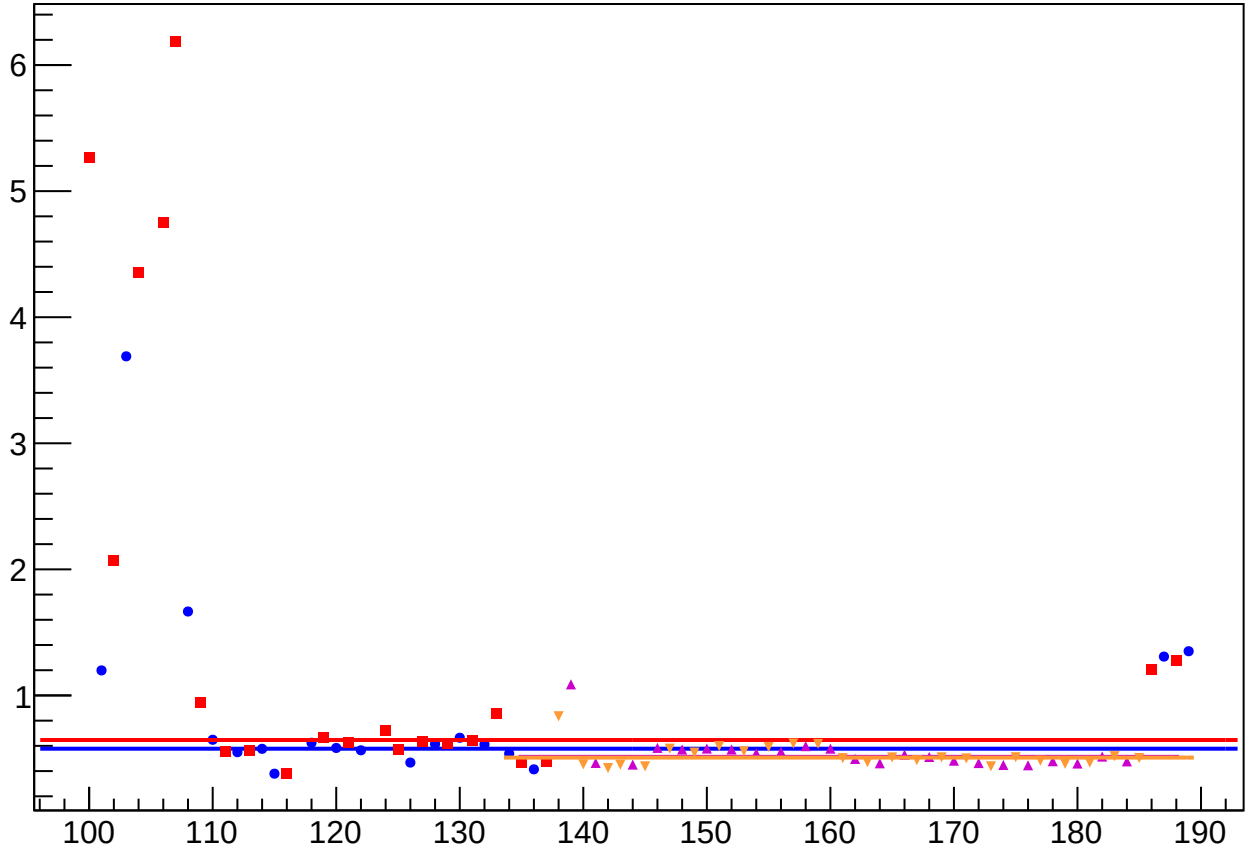
Right: -0.866+/-0.000 χ^2/NDF: 13529287999.2/38

In: 0.165+/-0.000 χ^2/NDF:10073848112.1/40

Out: 0.499+/-0.000 χ^2/NDF:3767474901.8/45

All: 0.335+/-0.000 χ^2/NDF: 13845452526.4/8

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.577+/-0.000 χ^2/NDF: 2042090.3/17

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.646+/-0.000 χ^2/NDF: 3118628.6/20

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

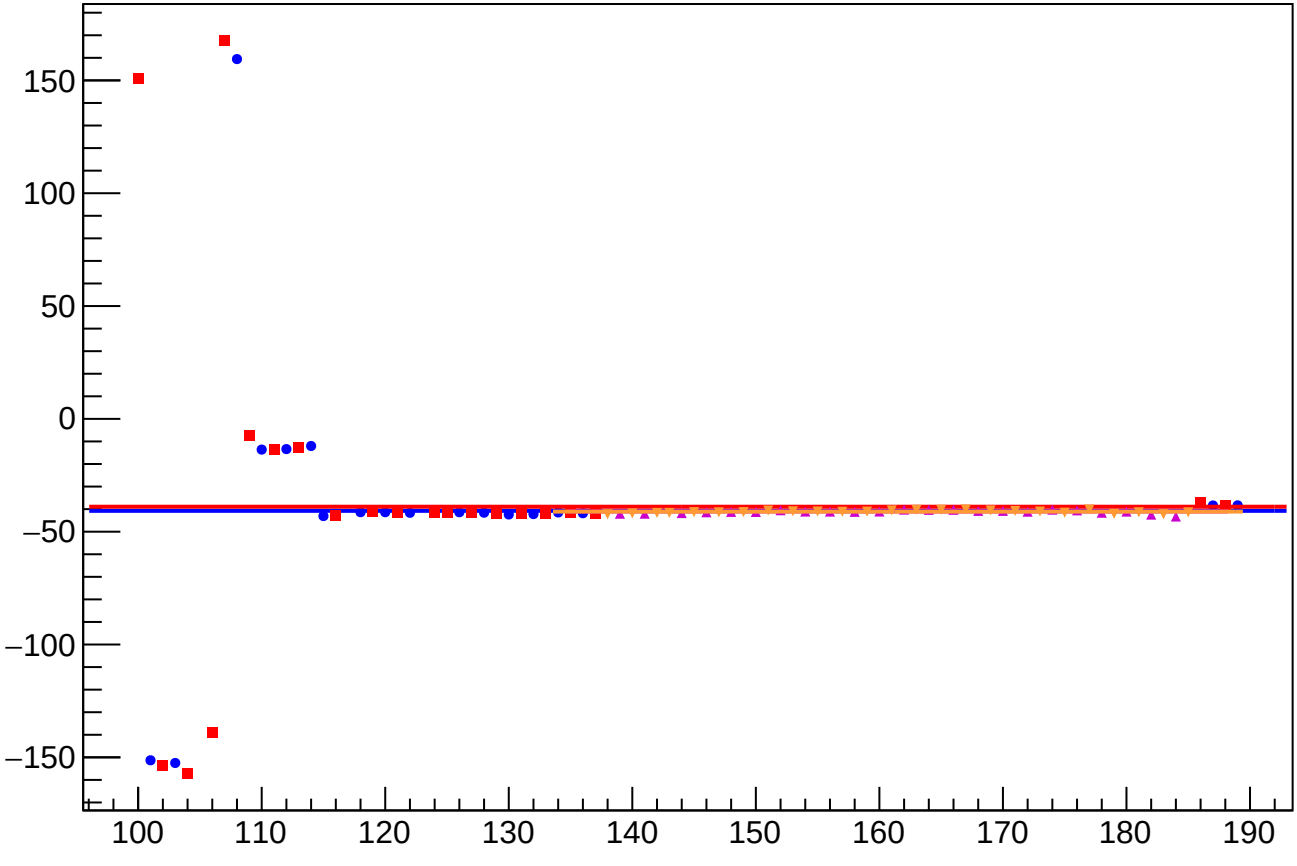
Right: 0.609+/-0.000 χ^2/NDF: 5233415.6/38

In: 0.528+/-0.000 χ^2/NDF:2902074.2/40

Out: 0.533+/-0.000 χ^2/NDF:4120973.9/45

All: 0.531+/-0.000 χ^2/NDF: 7025610.0/86

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.752+/-0.000 χ^2/NDF: 3461133542.2/17

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.931+/-0.000 χ^2/NDF: 2483039654.6/20

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

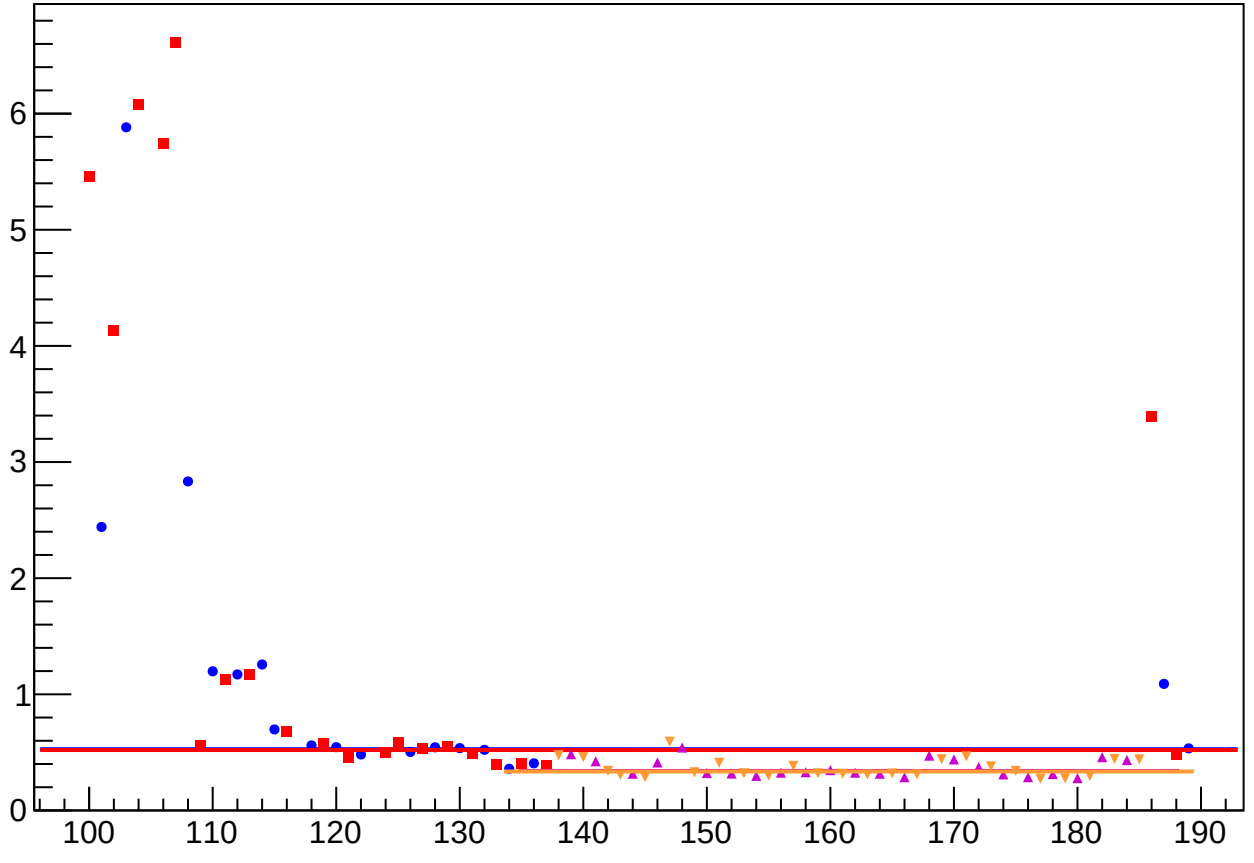
Right: -39.807+/-0.000 χ^2/NDF: 5978990985.9/38

In: -40.995+/-0.000 χ^2/NDF:3513884898.4/40

Out: -40.829+/-0.000 χ^2/NDF:2632857859.9/45

All: -40.909+/-0.000 χ^2/NDF: 6149121924.2/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.527+/-0.000 χ^2/NDF: 3046390.9/17

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.520+/-0.000 χ^2/NDF: 3827702.1/20

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

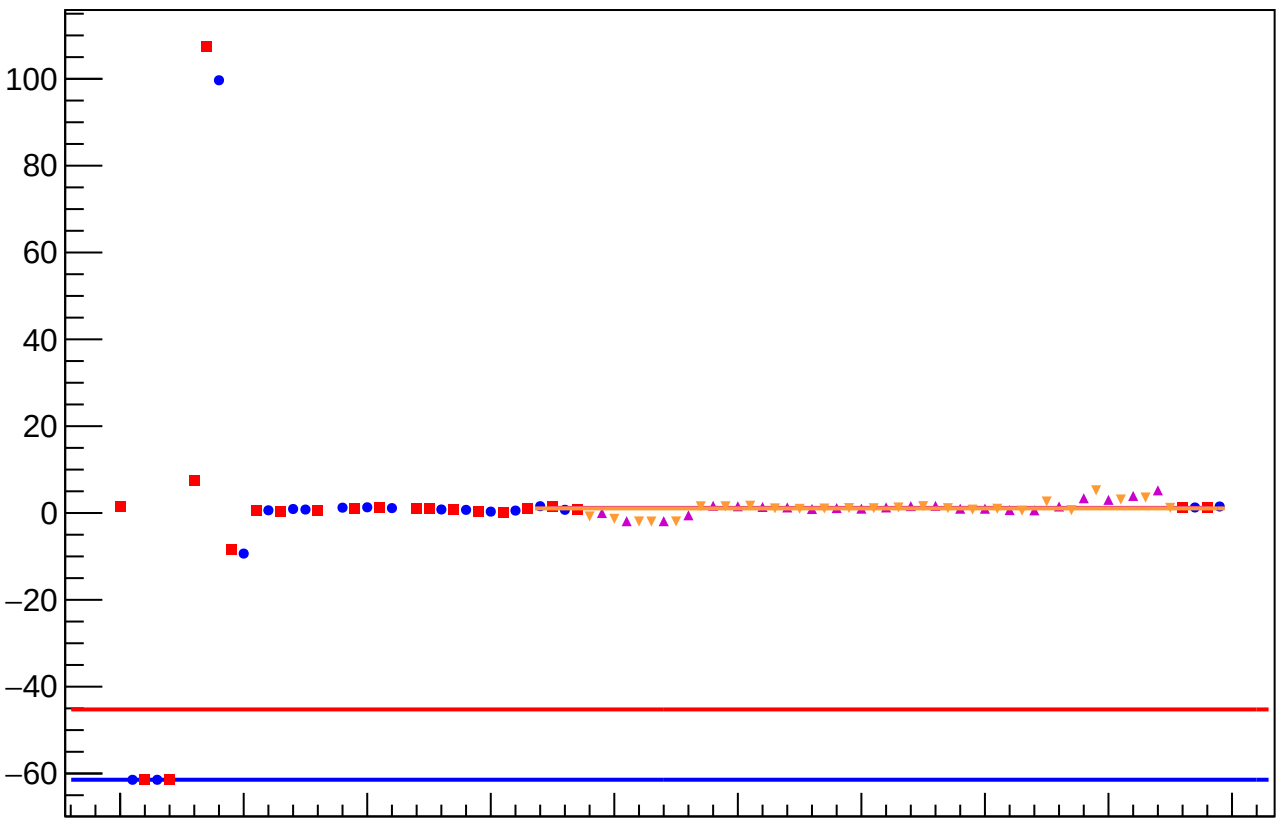
Right: 0.524+/-0.000 χ^2/NDF: 6875111.2/38

In: 0.363+/-0.000 χ^2/NDF:5355394.5/40

Out: 0.358+/-0.000 χ^2/NDF:6374532.5/45

All: 0.361+/-0.000 χ^2/NDF: 11734225.0/86

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 275400613265.7/17

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 3578726612600 22.4/20

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

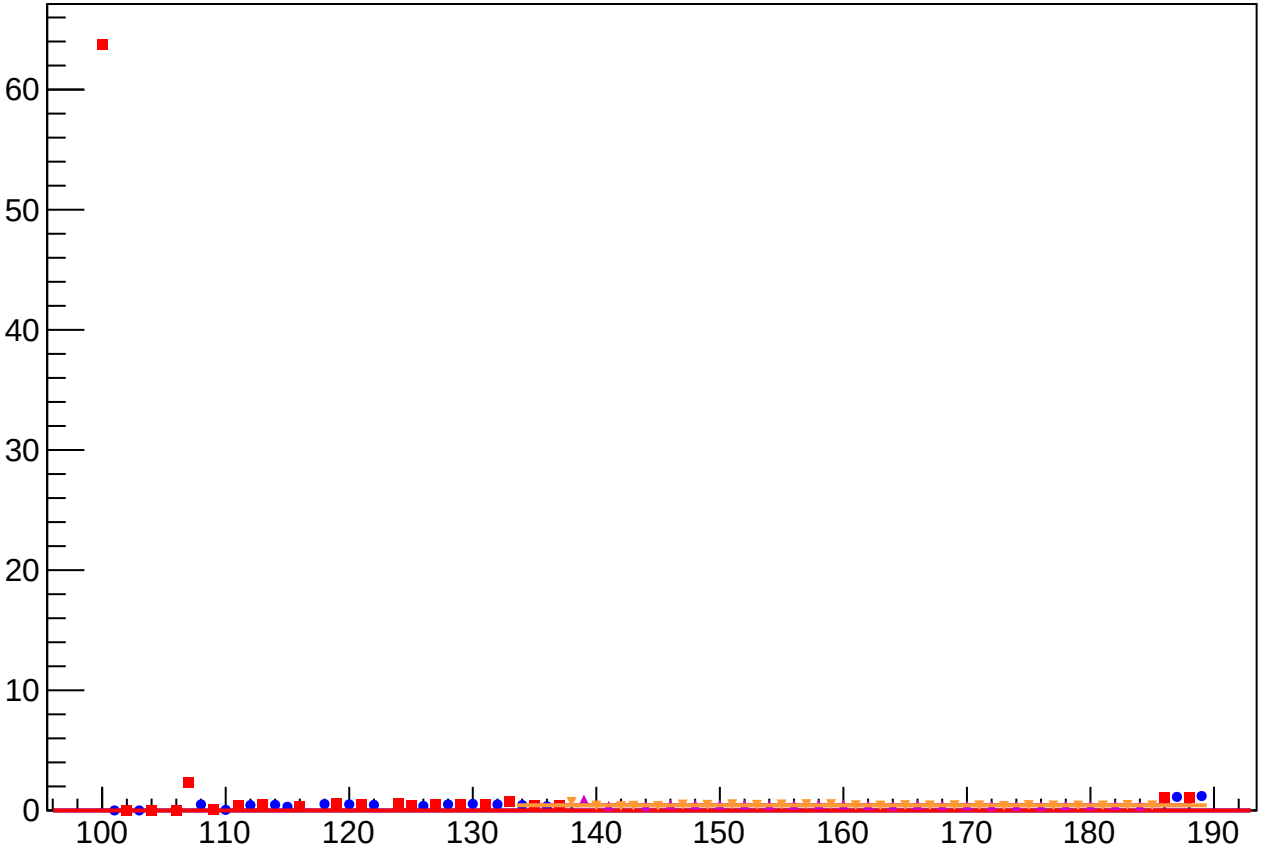
Right: -52.749+/-0.000 χ^2/NDF: 409126480477002

In: -61.423+/-0.000 χ^2/NDF:578266822287.5/40

Out: -45.236+/-0.000 χ^2/NDF:358053944663066.8

All: -52.738+/-0.000 χ^2/NDF: 409595895498

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10495315.7/17

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11919270.3/20

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

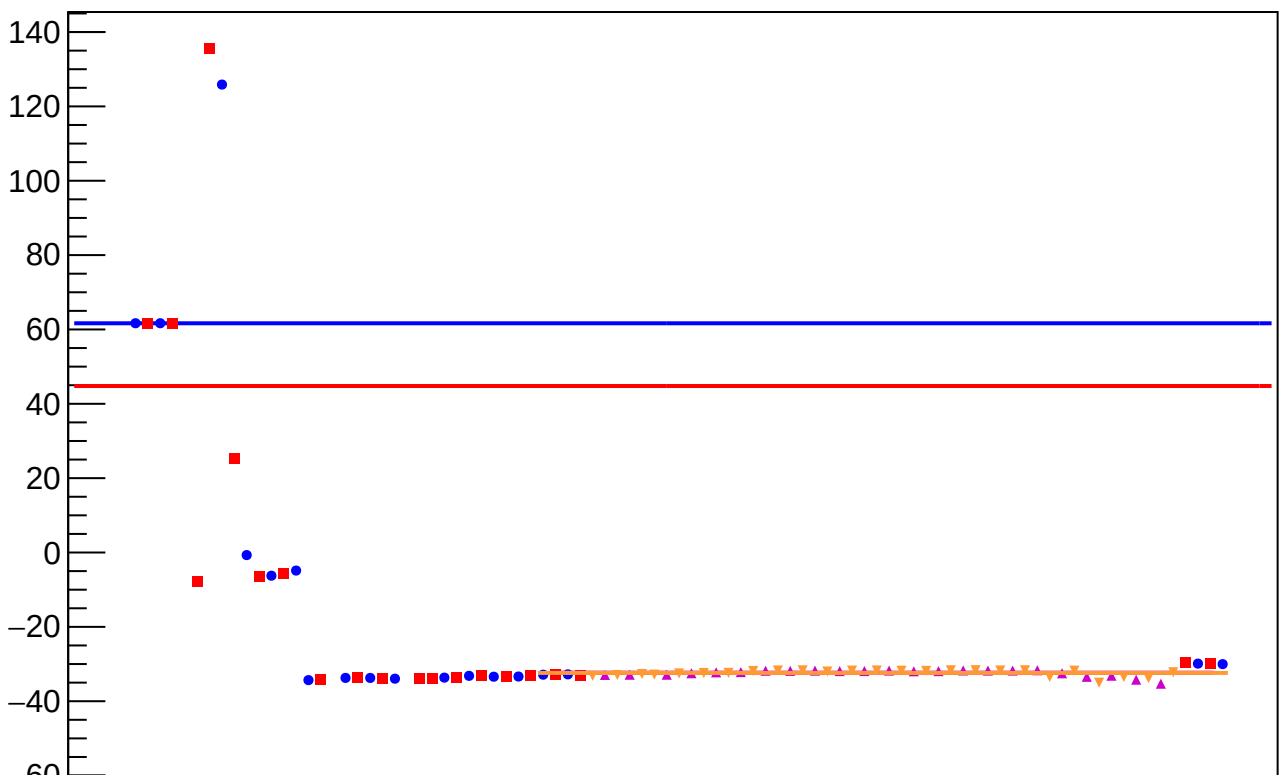
Right: 0.001+/-0.000 χ^2/NDF: 22414586.4/38

In: 0.002+/-0.000 χ^2/NDF:40637266.1/40

Out: 0.002+/-0.000 χ^2/NDF:43685959.2/45

All: 0.002+/-0.000 χ^2/NDF: 84323247.8/86

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.661+/-0.000 χ^2/NDF: 391705768908.0/17

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.784+/-0.000 χ^2/NDF: 366127200197175.9/20

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

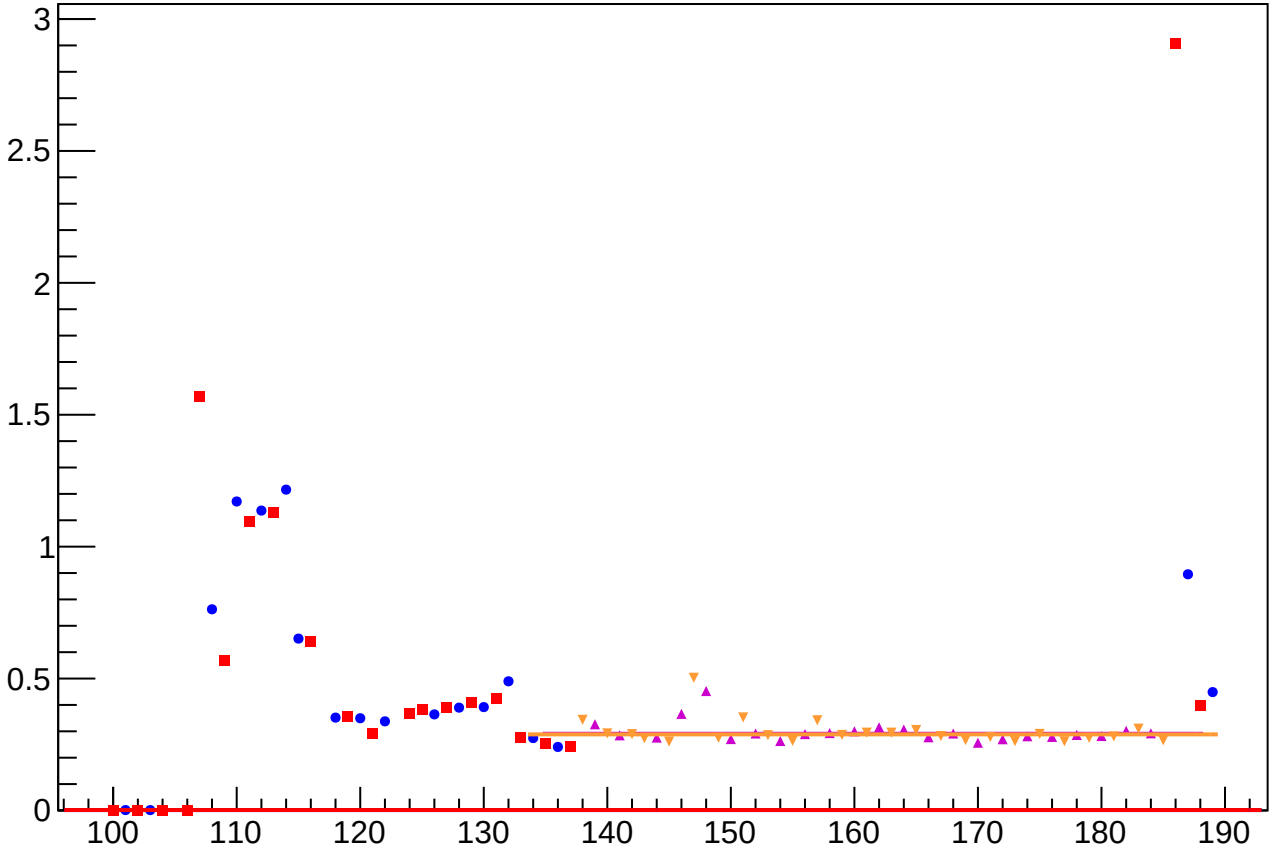
Right: 52.688+/-0.000 χ^2/NDF: 417625833732271.

In: 61.604+/-0.000 χ^2/NDF:2215556546900.3/40

Out: 44.740+/-0.000 χ^2/NDF:367445756087046.4

All: 52.637+/-0.000 χ^2/NDF: 4207204752407

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 12349552.9/17

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13119957.1/20

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

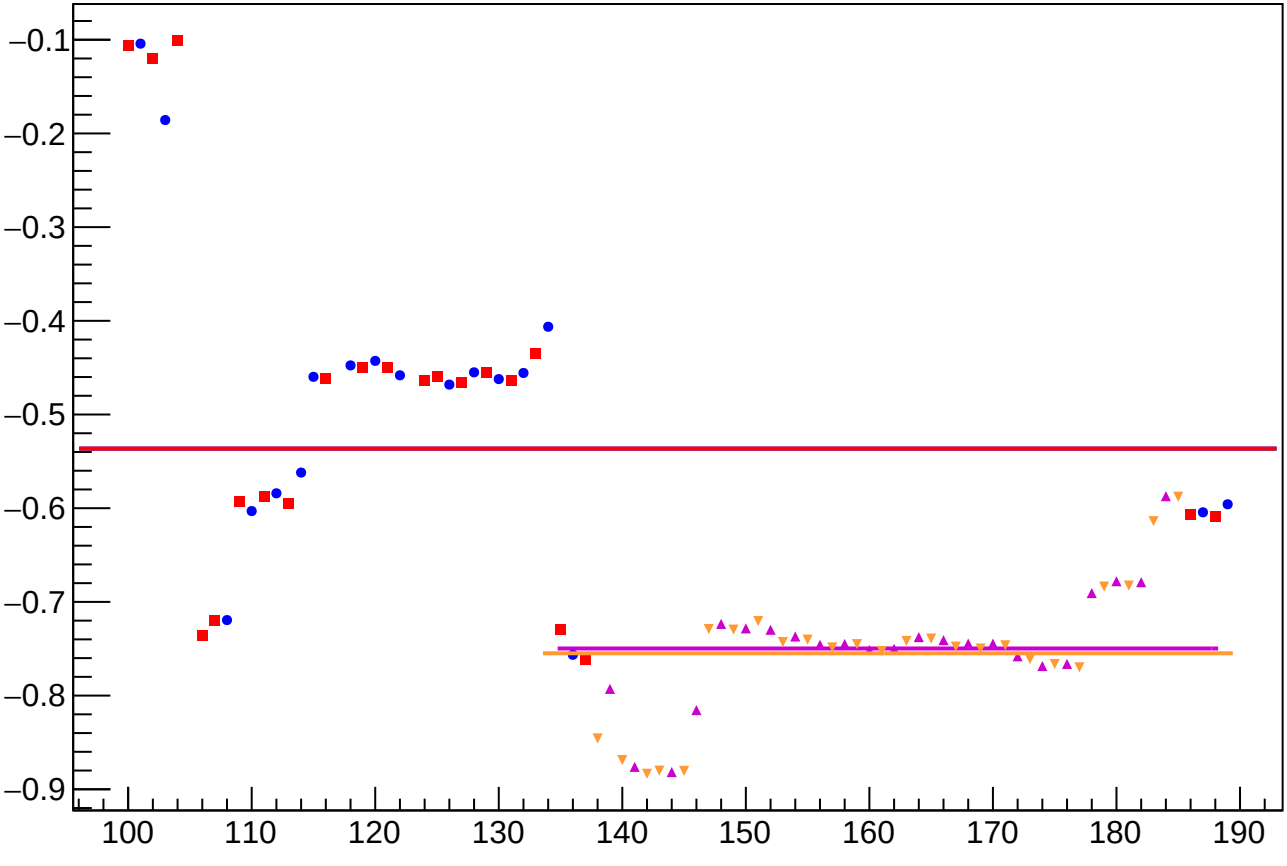
Right: 0.002+/-0.000 χ^2/NDF: 25469674.1/38

In: 0.002+/-0.000 χ^2/NDF:47259019.8/40

Out: 0.002+/-0.000 χ^2/NDF:50079769.0/45

All: 0.002+/-0.000 χ^2/NDF: 97338826.3/86

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.536+/-0.000 χ^2/NDF: 301891736.8/17

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.536+/-0.000 χ^2/NDF: 217146263.4/20

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

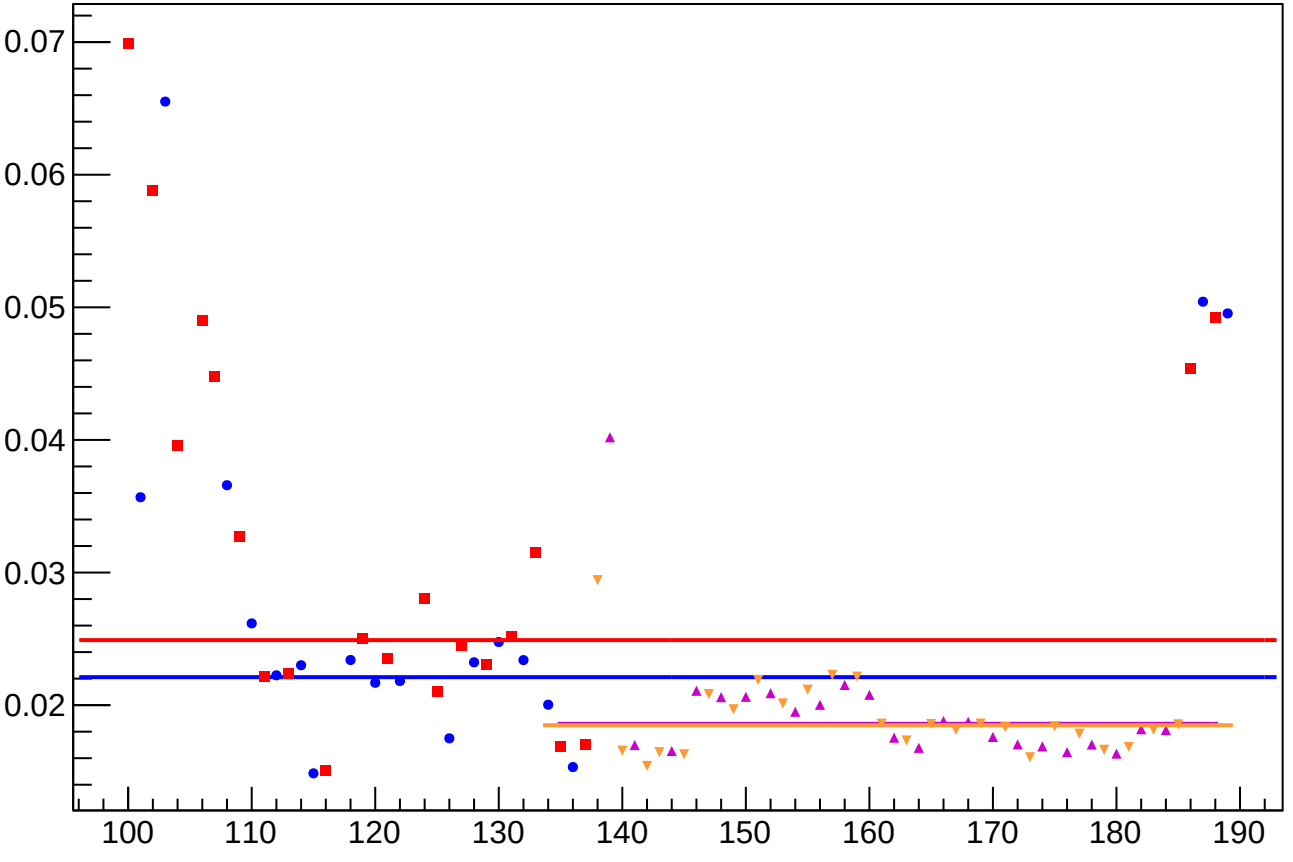
Right: -0.536+/-0.000 χ^2/NDF: 519038037.4/38

In: -0.703+/-0.000 χ^2/NDF:865529098.0/40

Out: -0.714+/-0.000 χ^2/NDF:839149878.8/45

All: -0.709+/-0.000 χ^2/NDF: 1707935056.5/8

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 1574470.2/17

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.025+/-0.000 χ^2/NDF: 1903400.3/20

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

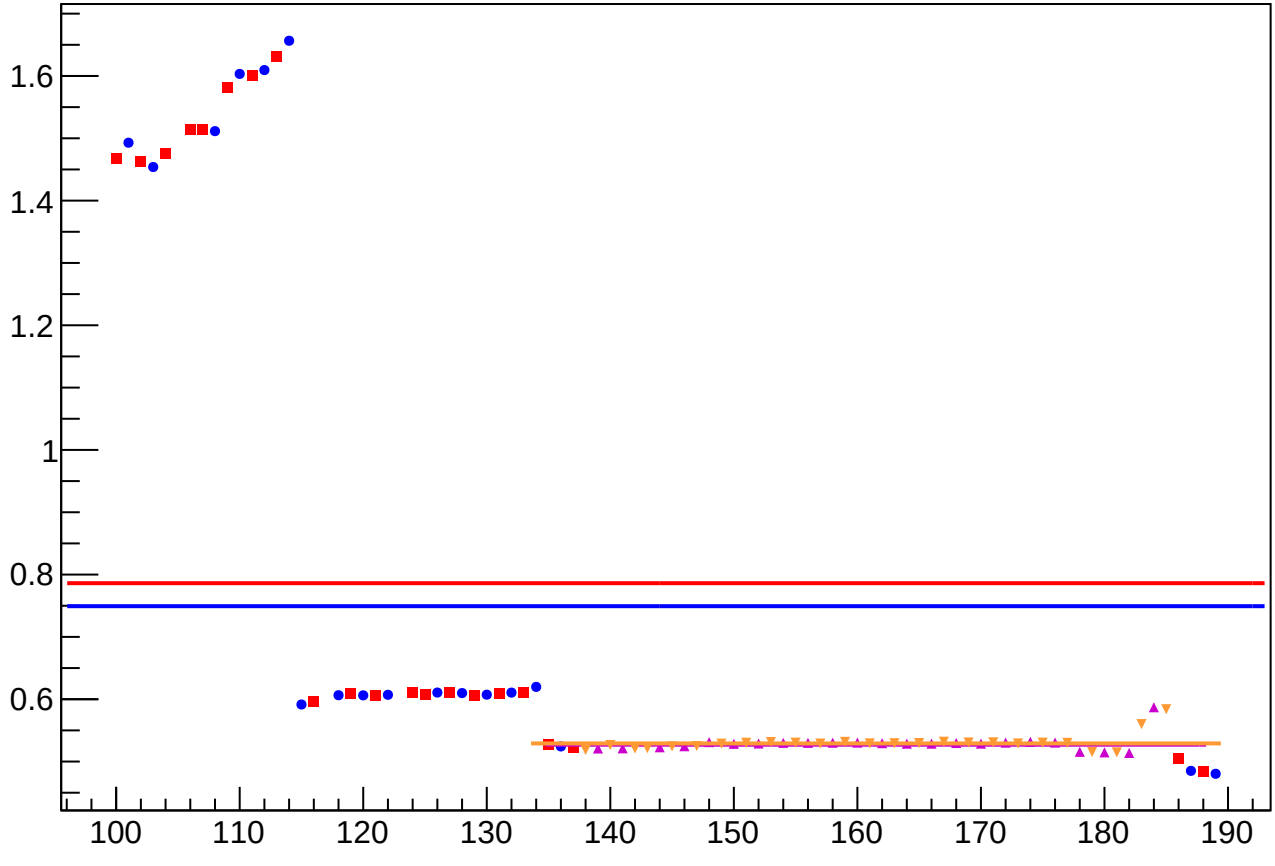
Right: 0.023+/-0.000 χ^2/NDF: 3565183.1/38

In: 0.019+/-0.000 χ^2/NDF:2543414.7/40

Out: 0.020+/-0.000 χ^2/NDF:3101571.9/45

All: 0.020+/-0.000 χ^2/NDF: 5650825.6/86

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.749+/-0.000 χ^2/NDF: 4386892863.9/17

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.786+/-0.000 χ^2/NDF: 5001981184.9/20

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

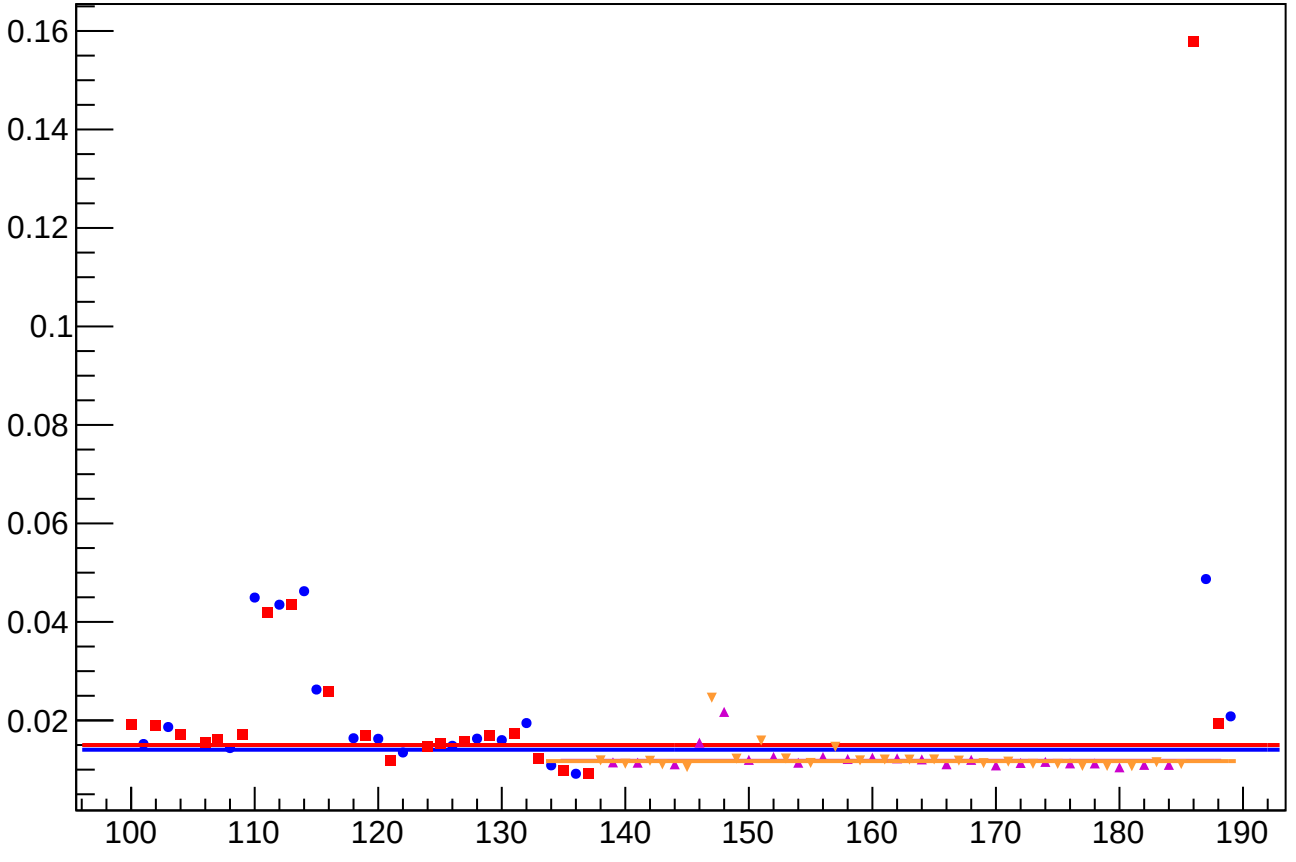
Right: 0.767+/-0.000 χ^2/NDF: 9410782853.6/38

In: 0.573+/-0.000 χ^2/NDF:5681553722.4/40

Out: 0.578+/-0.000 χ^2/NDF:6715969756.2/45

All: 0.575+/-0.000 χ^2/NDF: 12400009731.8/8

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1931973.1/17

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2185444.0/20

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

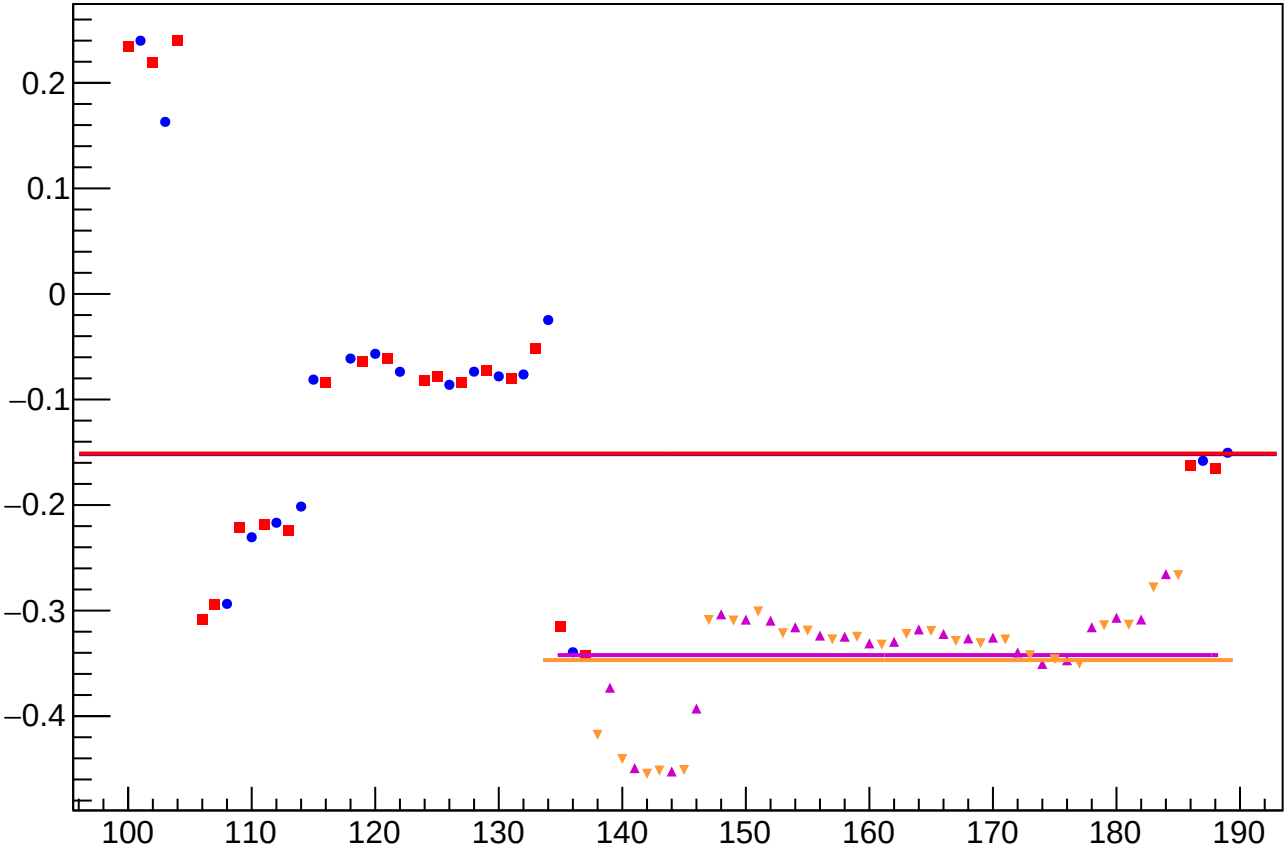
Right: 0.015+/-0.000 χ^2/NDF: 4146814.3/38

In: 0.012+/-0.000 χ^2/NDF:2715839.5/40

Out: 0.012+/-0.000 χ^2/NDF:3433915.6/45

All: 0.012+/-0.000 χ^2/NDF: 6151530.6/86

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276794717.4/17

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199508468.3/20

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

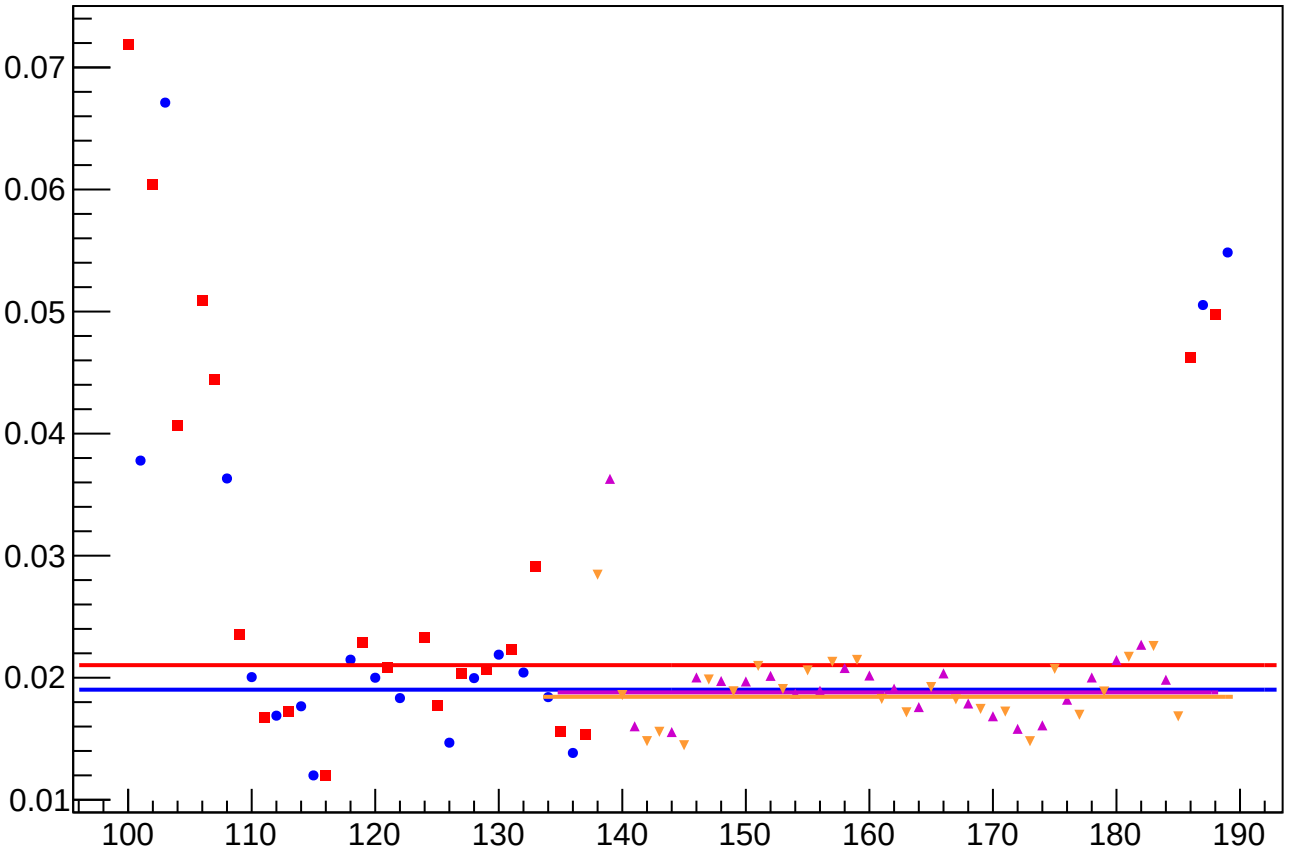
Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

Right: -0.152+/-0.000 χ^2/NDF: 476305589.8/38

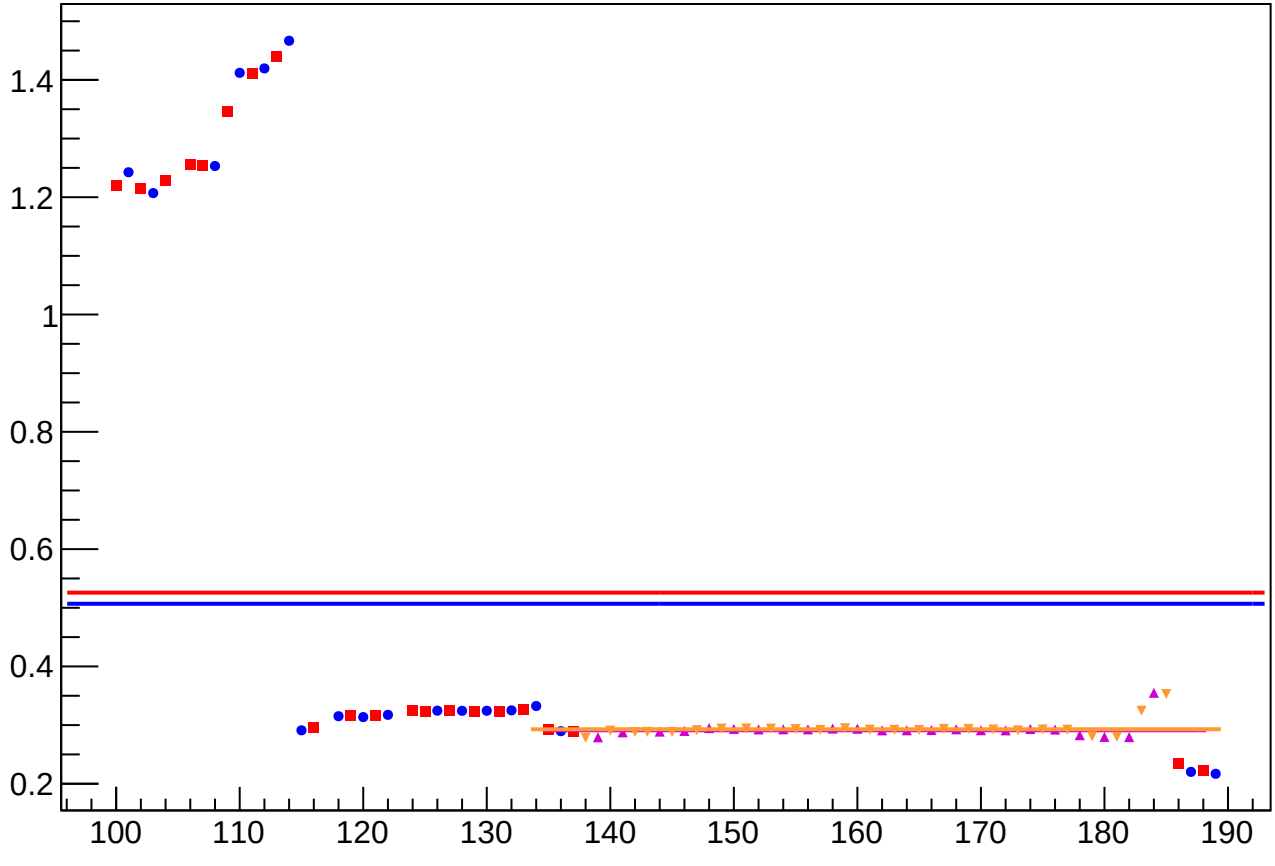
In: -0.291+/-0.000 χ^2/NDF:779359864.6/40

Out: -0.301+/-0.000 χ^2/NDF:743532861.3/45

All: -0.296+/-0.000 χ^2/NDF: 1525981699.0/8


yield_bpm4eX_rms vs Slug, Sign Corrected
0.07
0.06
0.05
0.04
0.03
0.02
0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.019+/-0.000 χ²/NDF: 1939073.6/17
Left Out: 0.018+/-0.000 χ²/NDF:640029.5/24
Right Out: 0.021+/-0.000 χ²/NDF: 2415251.4/20
Left In: 0.019+/-0.000 χ²/NDF:718726.0/22
Left: 0.019+/-0.000 χ²/NDF: 1364603.4/47
Right: 0.020+/-0.000 χ²/NDF: 4414527.4/38
In: 0.019+/-0.000 χ²/NDF:2658931.1/40
Out: 0.019+/-0.000 χ²/NDF:3202244.5/45
All: 0.019+/-0.000 χ²/NDF: 5863197.0/86

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.507+/-0.000 χ^2/NDF: 6476282160.0/17

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.526+/-0.000 χ^2/NDF: 7158331996.4/20

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

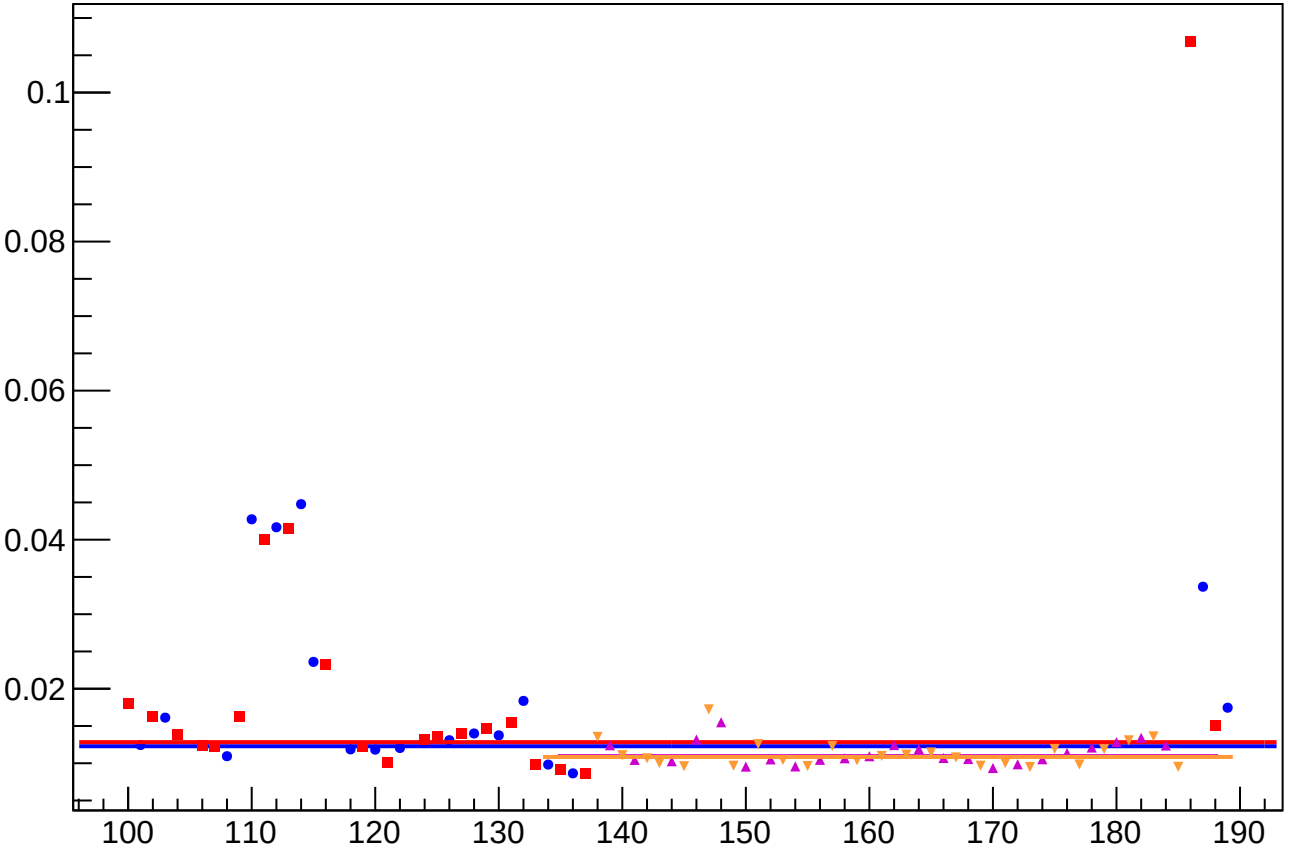
Right: 0.516+/-0.000 χ^2/NDF: 13642380460.9/38

In: 0.341+/-0.000 χ^2/NDF:8034489481.4/40

Out: 0.343+/-0.000 χ^2/NDF:9007607611.6/45

All: 0.342+/-0.000 χ^2/NDF: 17042718194.9/8

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1730381.3/17

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2073018.2/20

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

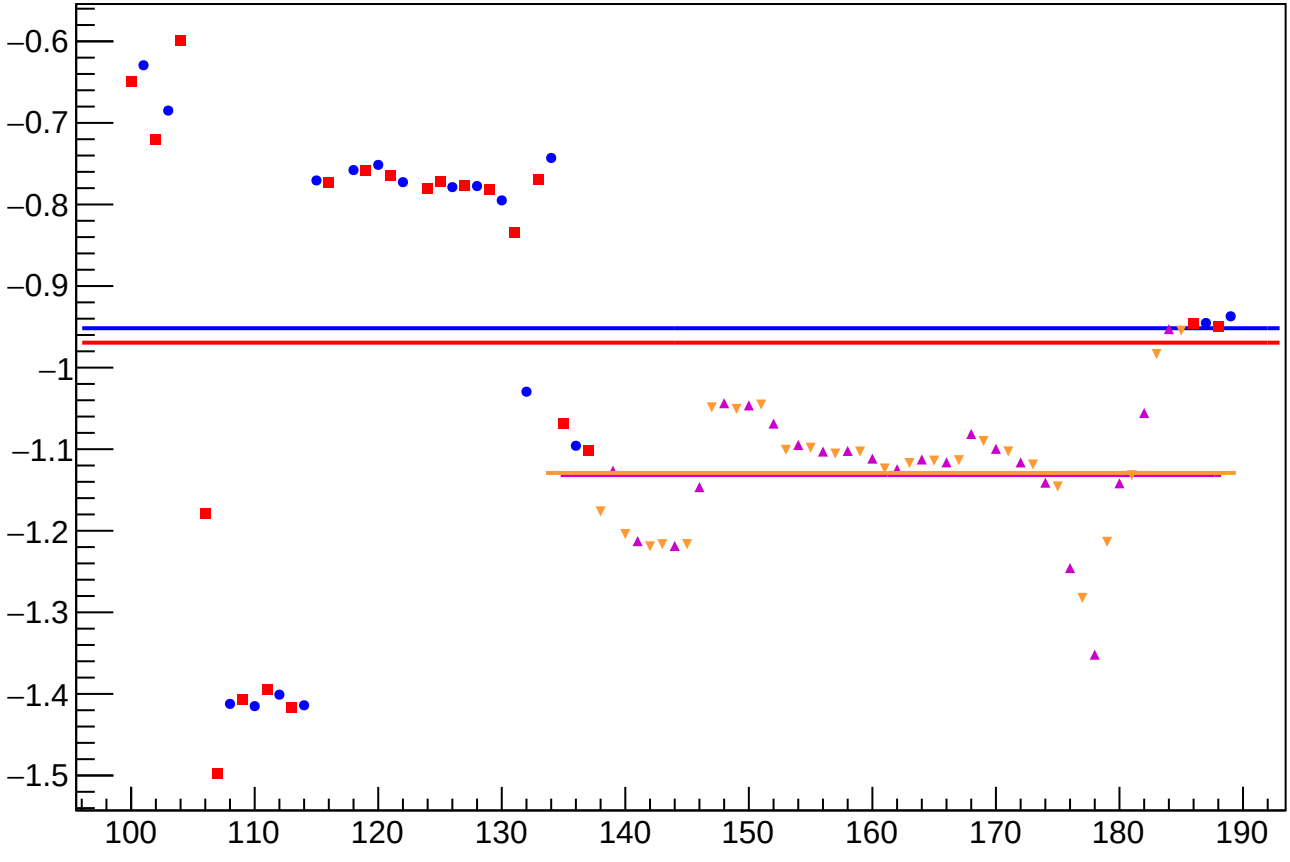
Right: 0.013+/-0.000 χ^2/NDF: 3816422.0/38

In: 0.011+/-0.000 χ^2/NDF:2359782.8/40

Out: 0.011+/-0.000 χ^2/NDF:2994329.1/45

All: 0.011+/-0.000 χ^2/NDF: 5354149.5/86

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699518127.7/17

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.969+/-0.000 χ^2/NDF: 714783228.4/20

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

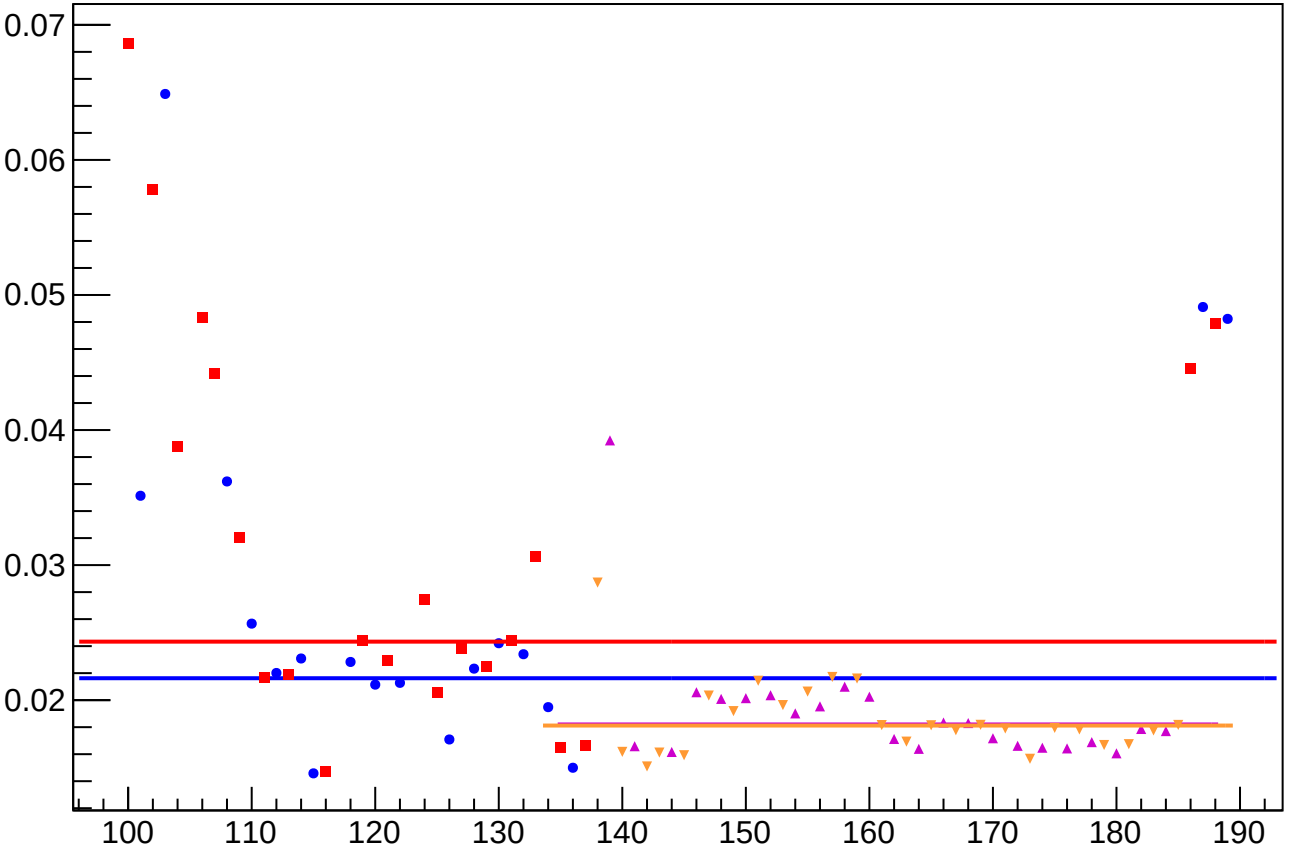
Right: -0.960+/-0.000 χ^2/NDF: 1416127560.3/38

In: -1.092+/-0.000 χ^2/NDF:1273846438.0/40

Out: -1.099+/-0.000 χ^2/NDF:1181136092.4/45

All: -1.096+/-0.000 χ^2/NDF: 2456304709.2/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 1584610.9/17

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.024+/-0.000 χ^2/NDF: 1905789.7/20

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

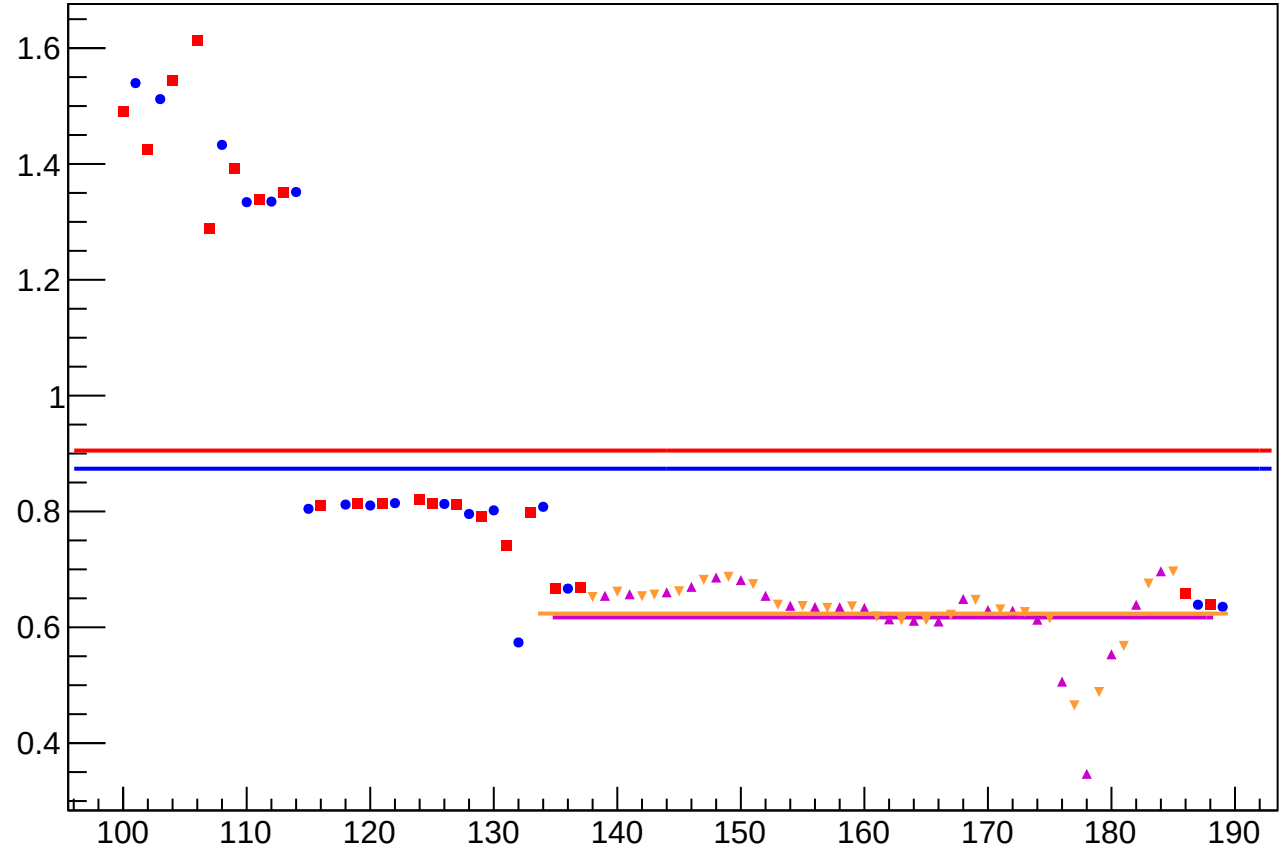
Right: 0.023+/-0.000 χ^2/NDF: 3576103.3/38

In: 0.019+/-0.000 χ^2/NDF:2536009.1/40

Out: 0.019+/-0.000 χ^2/NDF:3070507.8/45

All: 0.019+/-0.000 χ^2/NDF: 5613135.6/86

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.874+/-0.000 χ^2/NDF: 2849674382.0/17

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.905+/-0.000 χ^2/NDF: 2946193023.5/20

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

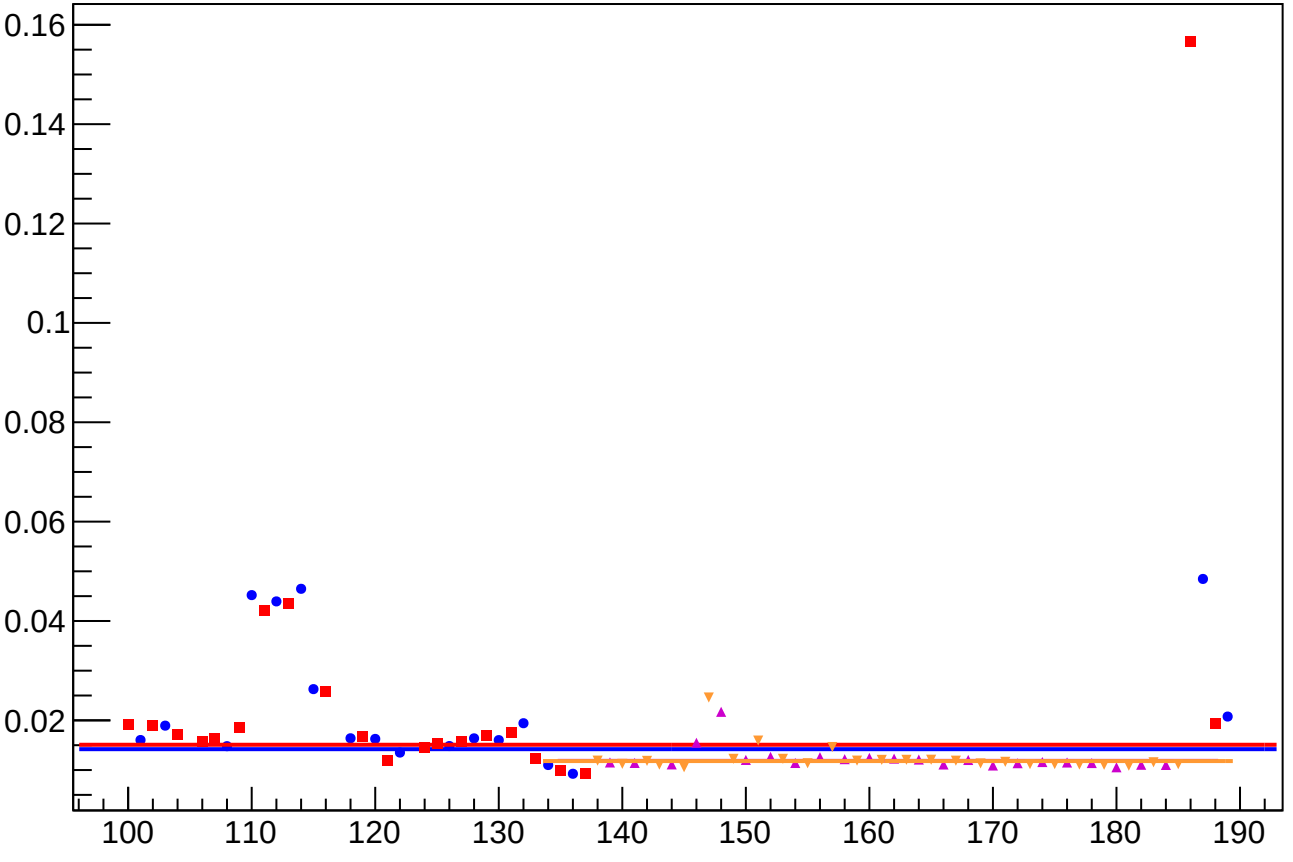
Right: 0.889+/-0.000 χ^2/NDF: 5811359389.9/38

In: 0.669+/-0.000 χ^2/NDF:5168855266.7/40

Out: 0.677+/-0.000 χ^2/NDF:5349983141.0/45

All: 0.673+/-0.000 χ^2/NDF: 10524312565.6/8

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1921339.4/17

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2188525.5/20

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

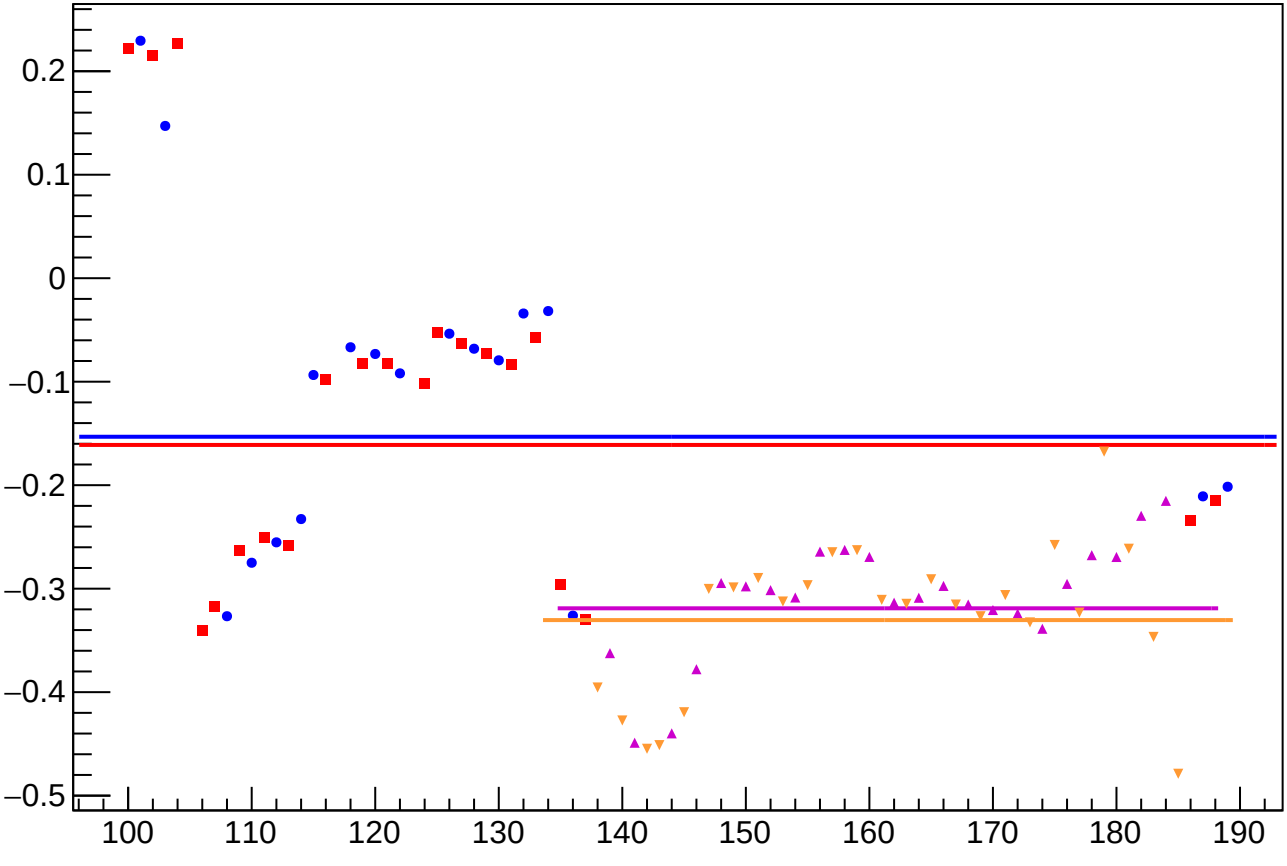
Right: 0.015+/-0.000 χ^2/NDF: 4134874.6/38

In: 0.012+/-0.000 χ^2/NDF:2711380.4/40

Out: 0.012+/-0.000 χ^2/NDF:3407331.0/45

All: 0.012+/-0.000 χ^2/NDF: 6120666.8/86

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.153+/-0.000 χ^2/NDF: 274866656.4/17

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.161+/-0.000 χ^2/NDF: 197647074.7/20

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

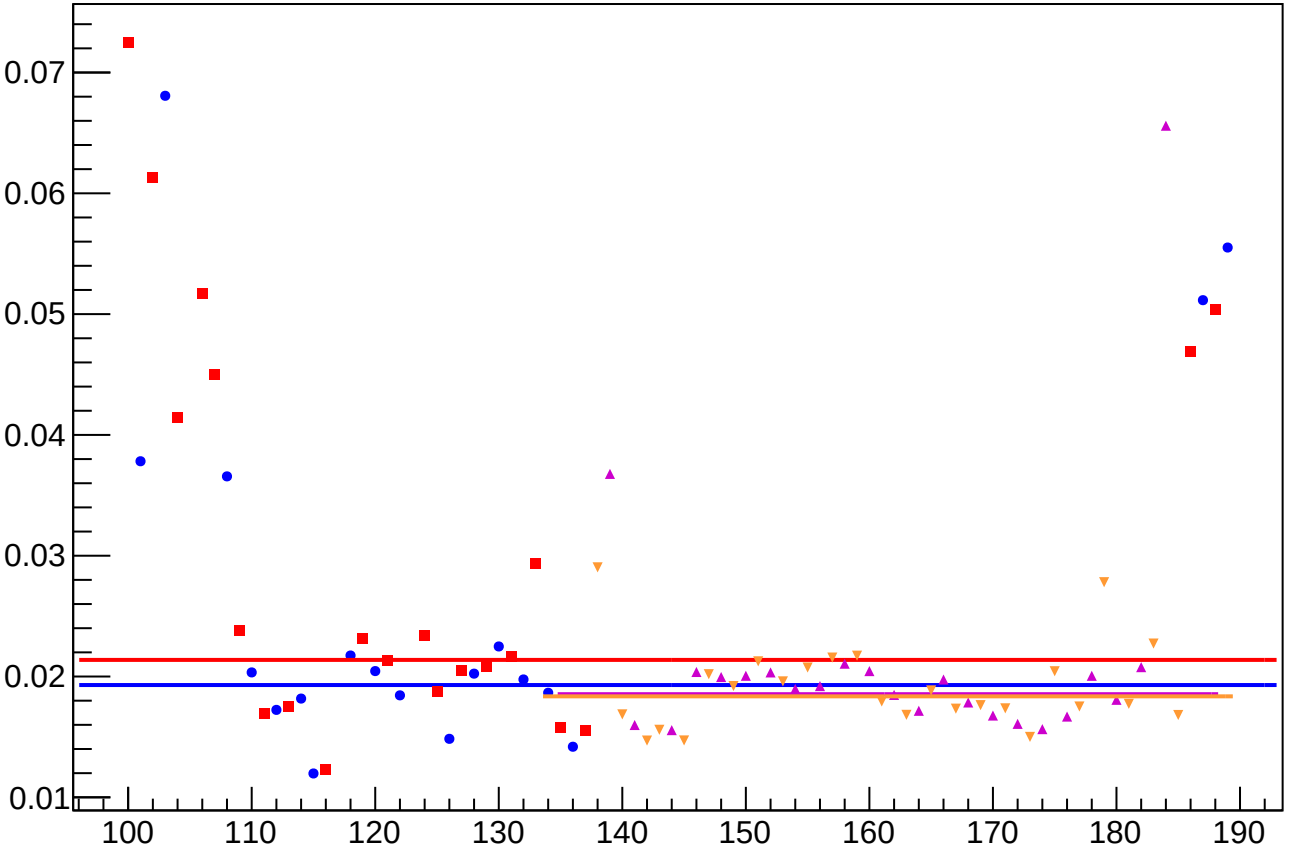
Right: -0.157+/-0.000 χ^2/NDF: 472967170.5/38

In: -0.275+/-0.000 χ^2/NDF:713258203.1/40

Out: -0.291+/-0.000 χ^2/NDF:683892422.5/45

All: -0.283+/-0.000 χ^2/NDF: 1404555456.1/8

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1914889.9/17

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.021+/-0.000 χ^2/NDF: 2392632.8/20

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

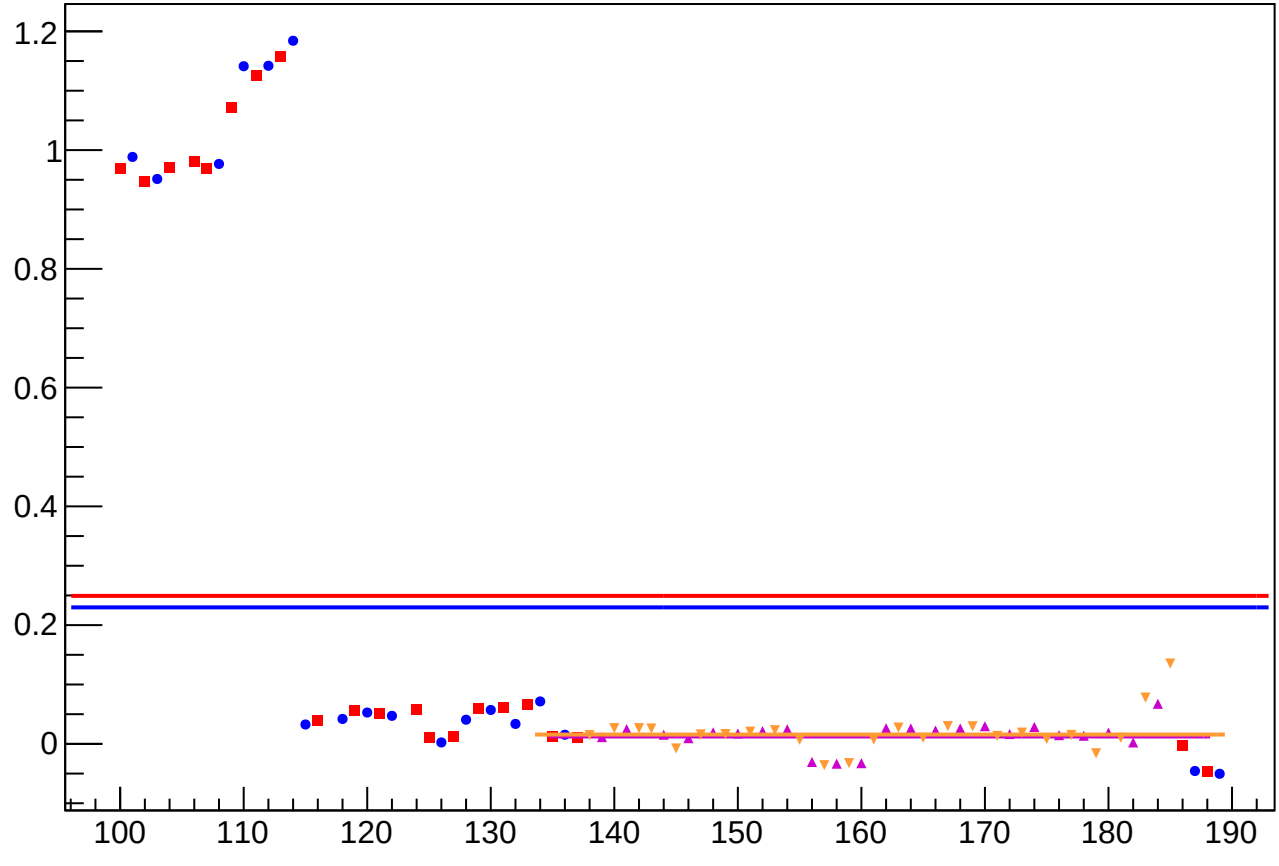
Right: 0.020+/-0.000 χ^2/NDF: 4370175.8/38

In: 0.019+/-0.000 χ^2/NDF:2861572.7/40

Out: 0.019+/-0.000 χ^2/NDF:3322948.5/45

All: 0.019+/-0.000 χ^2/NDF: 6190587.2/86

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.230+/-0.000 χ^2/NDF: 6659482910.6/17

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.249+/-0.000 χ^2/NDF: 7160724743.5/20

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

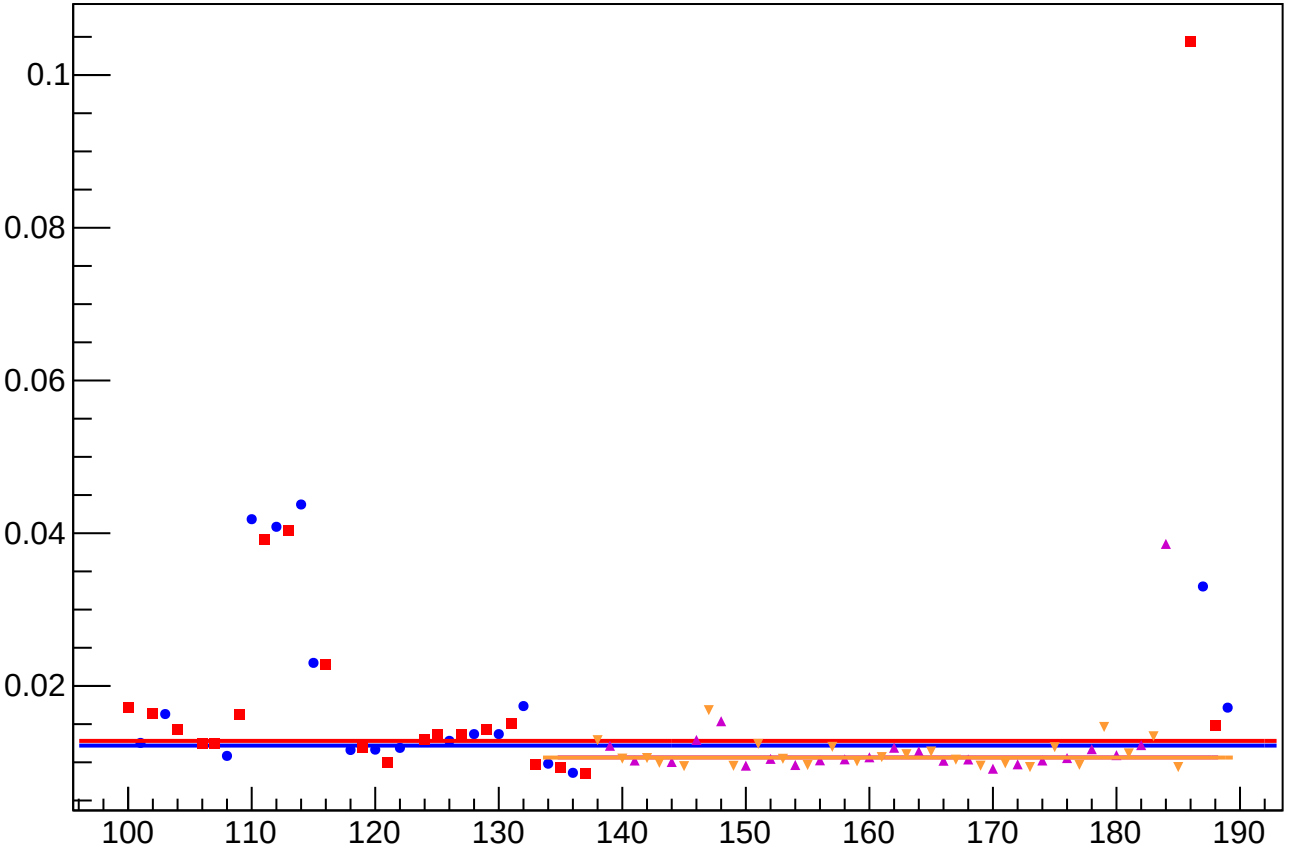
Right: 0.240+/-0.000 χ^2/NDF: 13828390672.1/38

In: 0.062+/-0.000 χ^2/NDF:8325650363.2/40

Out: 0.066+/-0.000 χ^2/NDF:9121120488.9/45

All: 0.064+/-0.000 χ^2/NDF: 17448555502.1/8

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1692135.2/17

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2020678.4/20

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

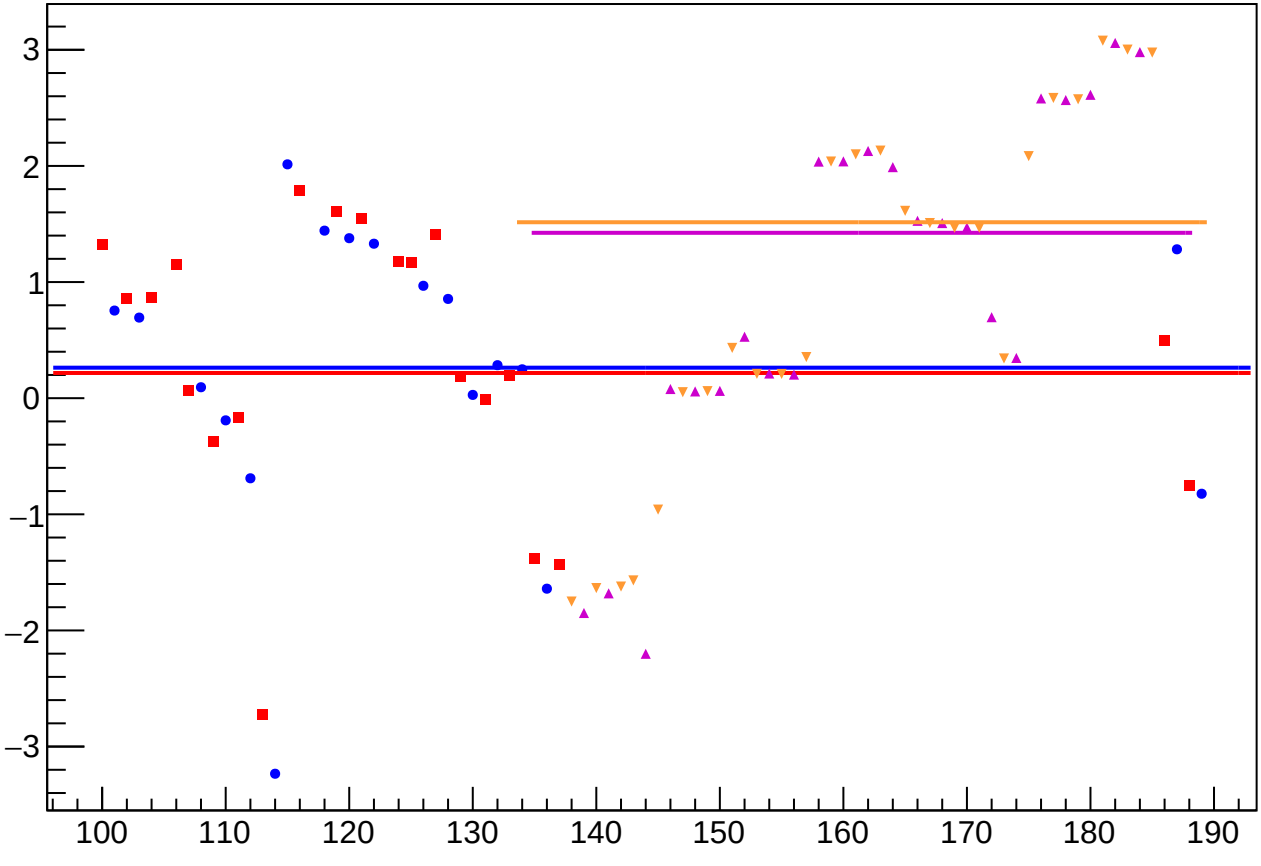
Right: 0.012+/-0.000 χ^2/NDF: 3729240.0/38

In: 0.011+/-0.000 χ^2/NDF:2427299.6/40

Out: 0.011+/-0.000 χ^2/NDF:2966929.7/45

All: 0.011+/-0.000 χ^2/NDF: 5396171.6/86

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.263+/-0.000 χ^2/NDF: 1950850411.4/17

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: 0.217+/-0.000 χ^2/NDF: 2324599169.5/20

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

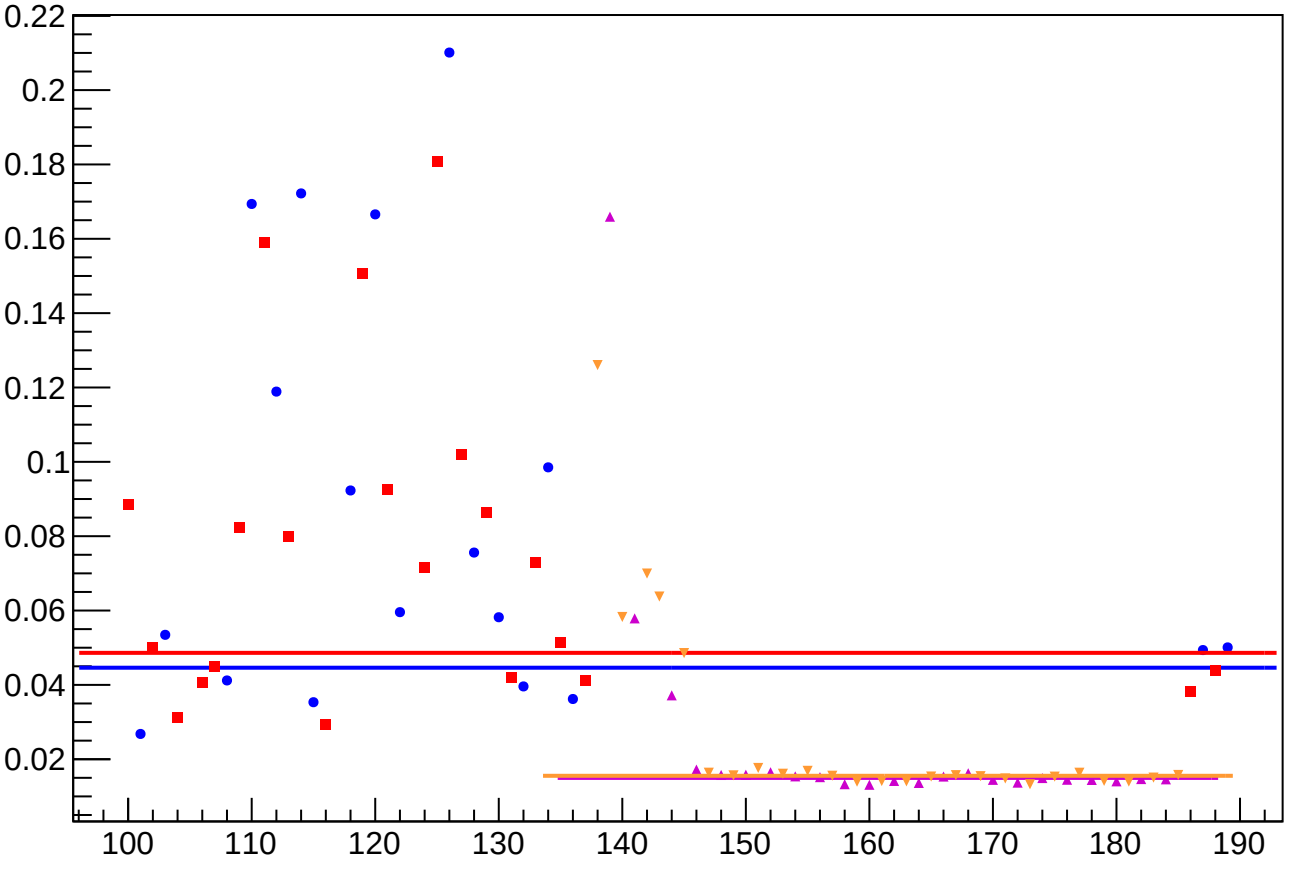
Right: 0.239+/-0.000 χ^2/NDF: 4277831617.6/38

In: 1.384+/-0.000 χ^2/NDF:72900184667.6/40

Out: 1.467+/-0.000 χ^2/NDF:73926848666.1/45

All: 1.425+/-0.000 χ^2/NDF: 147045417573.2

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF: 2802748.3/17

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.049+/-0.000 χ^2/NDF: 2469248.6/20

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

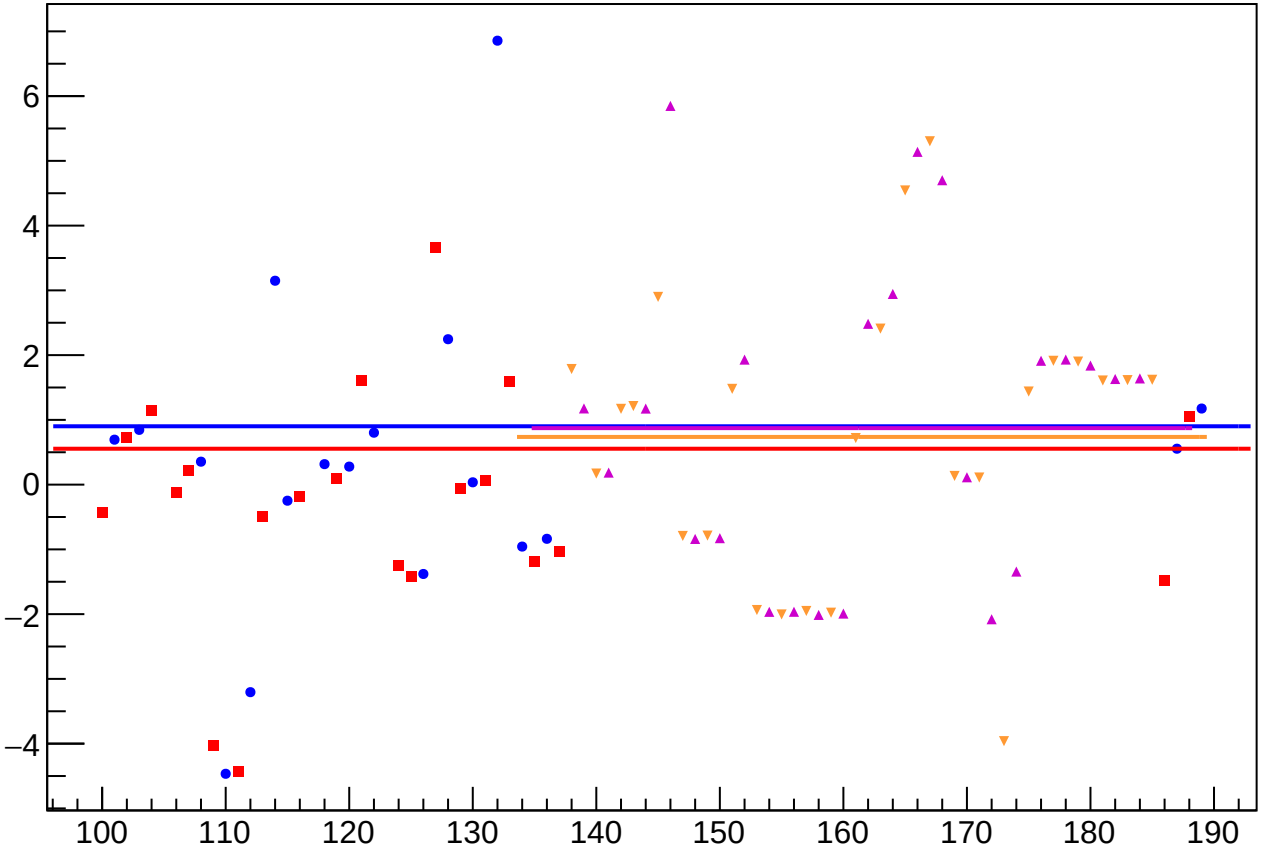
Right: 0.047+/-0.000 χ^2/NDF: 5308564.5/38

In: 0.016+/-0.000 χ^2/NDF:8768943.3/40

Out: 0.017+/-0.000 χ^2/NDF:10403766.9/45

All: 0.016+/-0.000 χ^2/NDF: 19211211.0/86

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.901+/-0.000 χ^2/NDF: 11650784719.0/17

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 0.554+/-0.000 χ^2/NDF: 5505732919.5/20

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

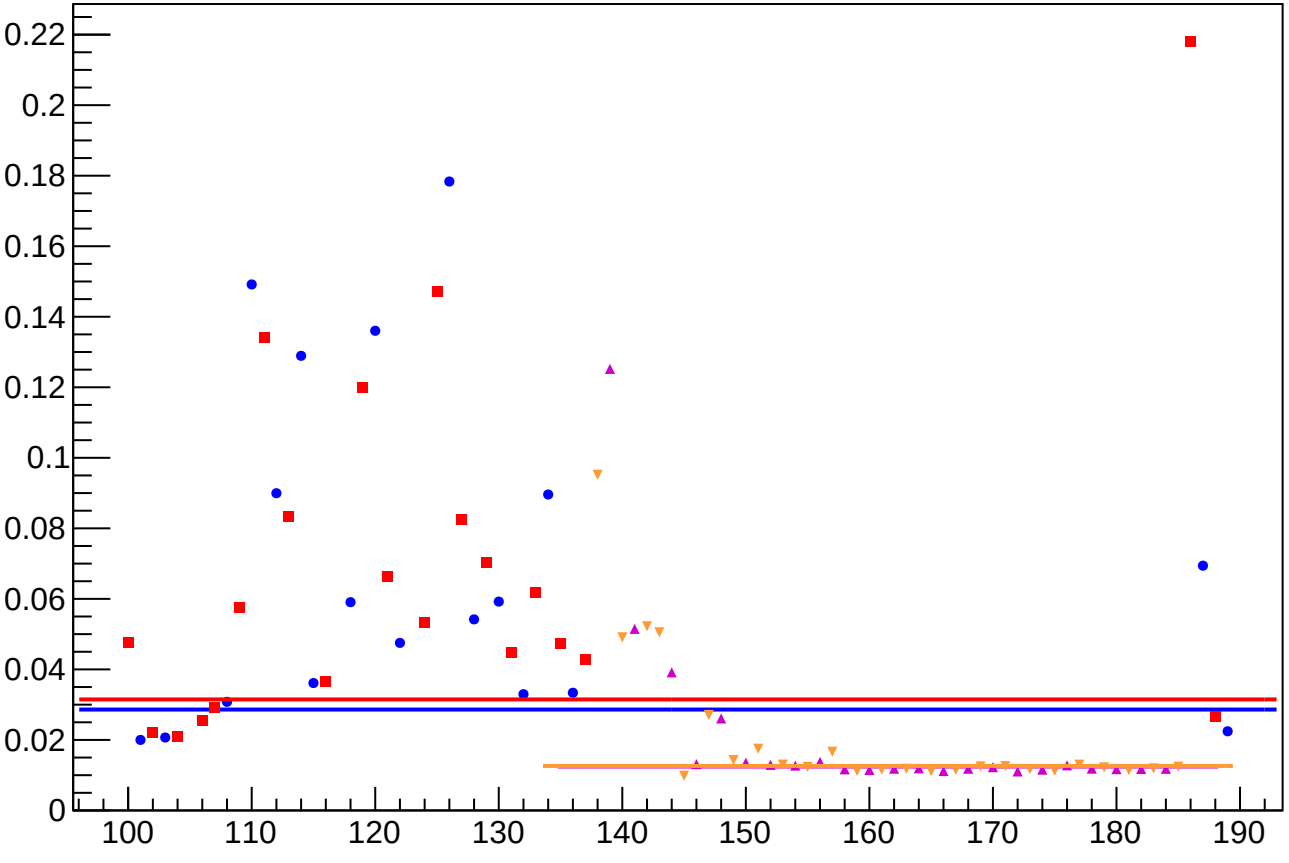
Right: 0.729+/-0.000 χ^2/NDF: 17461048122.6/38

In: 0.874+/-0.000 χ^2/NDF:631816096785.2/40

Out: 0.728+/-0.000 χ^2/NDF:541627184845.4/45

All: 0.801+/-0.000 χ^2/NDF: 1174555479558.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3379821.4/17

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.031+/-0.000 χ^2/NDF: 3929743.6/20

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

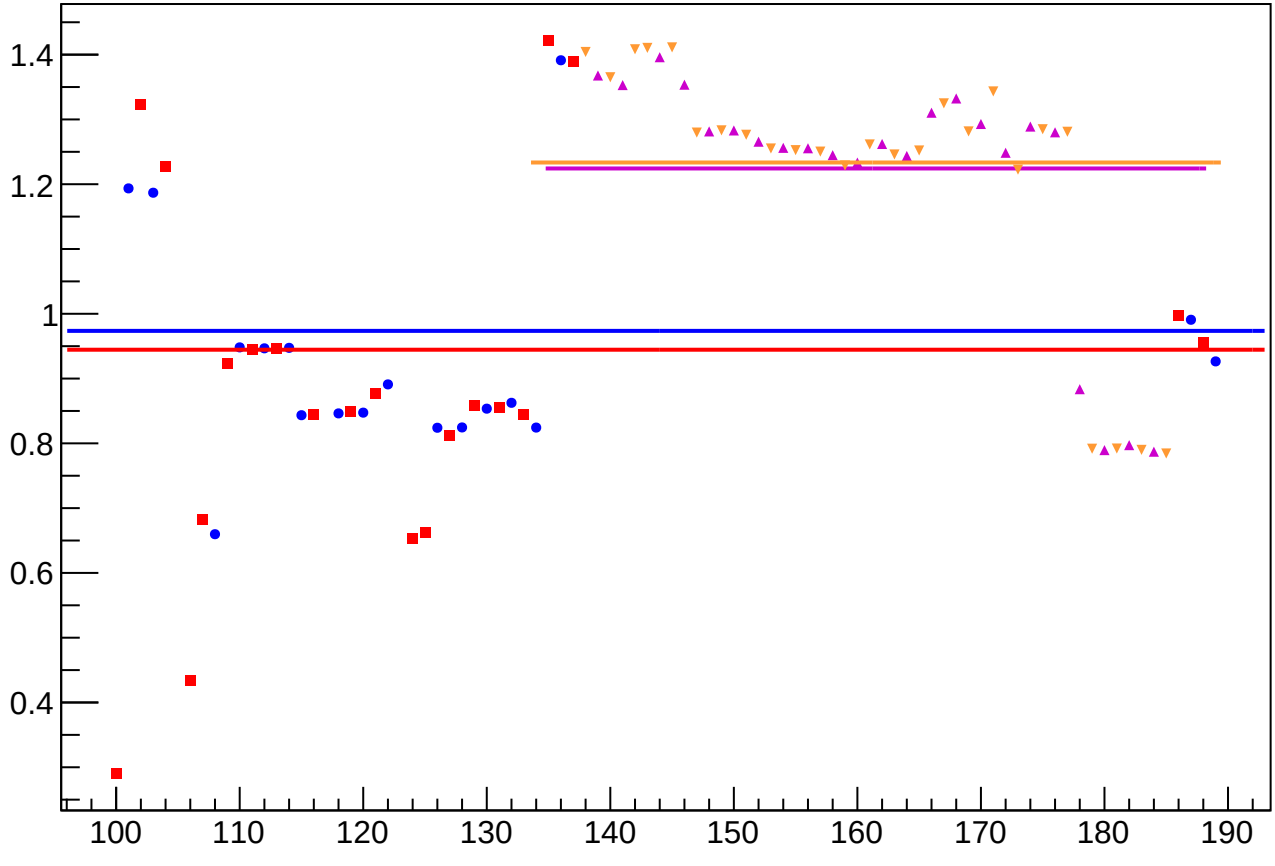
Right: 0.030+/-0.000 χ^2/NDF: 7351305.8/38

In: 0.013+/-0.000 χ^2/NDF:8668076.4/40

Out: 0.014+/-0.000 χ^2/NDF:10529958.7/45

All: 0.013+/-0.000 χ^2/NDF: 19206546.1/86

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1460350690.1/17

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.945+/-0.000 χ^2/NDF: 1672213201.3/20

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

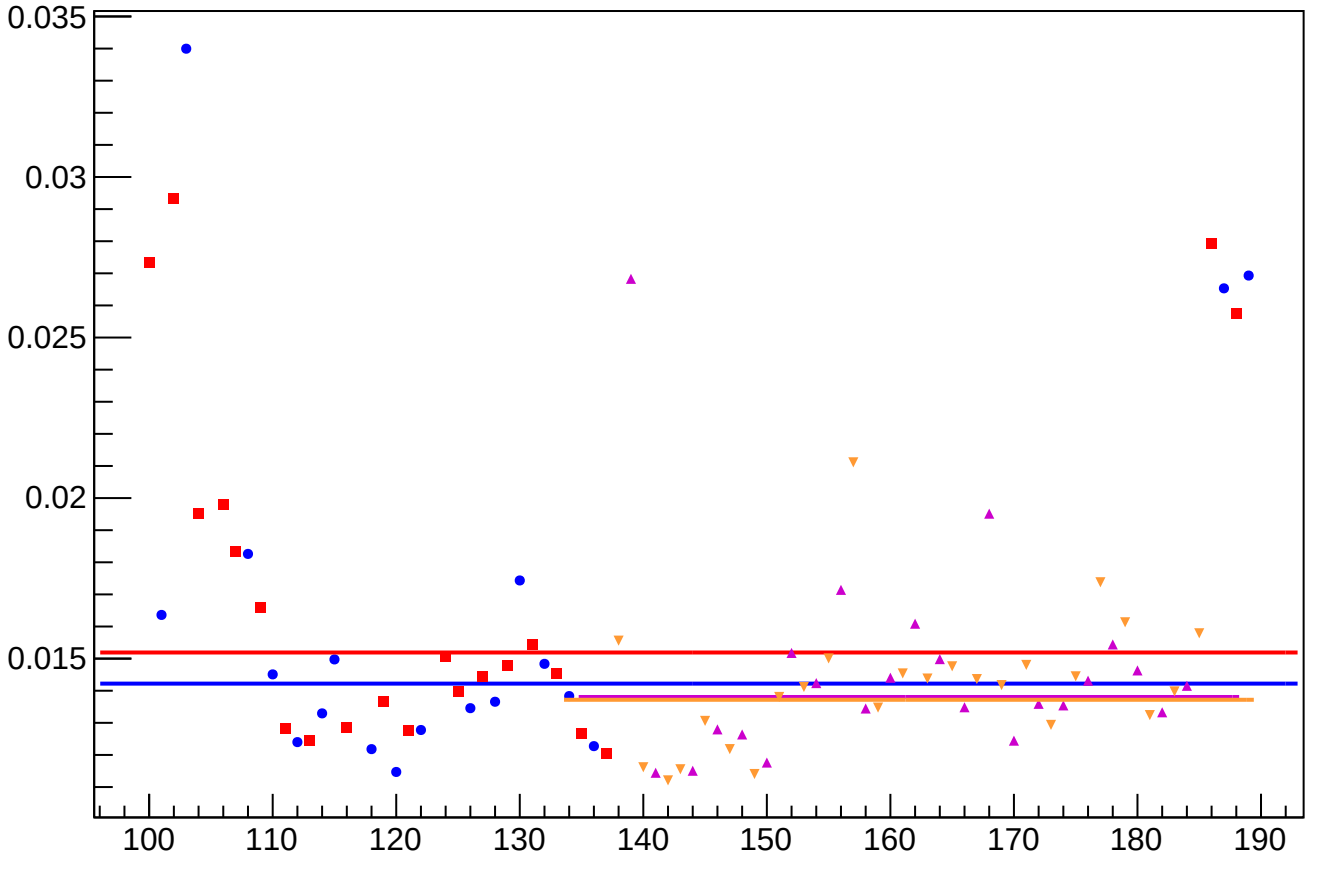
Right: 0.959+/-0.000 χ^2/NDF: 3146463821.7/38

In: 1.154+/-0.000 χ^2/NDF:5618730853.5/40

Out: 1.157+/-0.000 χ^2/NDF:6708613198.4/45

All: 1.155+/-0.000 χ^2/NDF: 12327952595.1/8

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 904184.3/17

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1051267.1/20

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

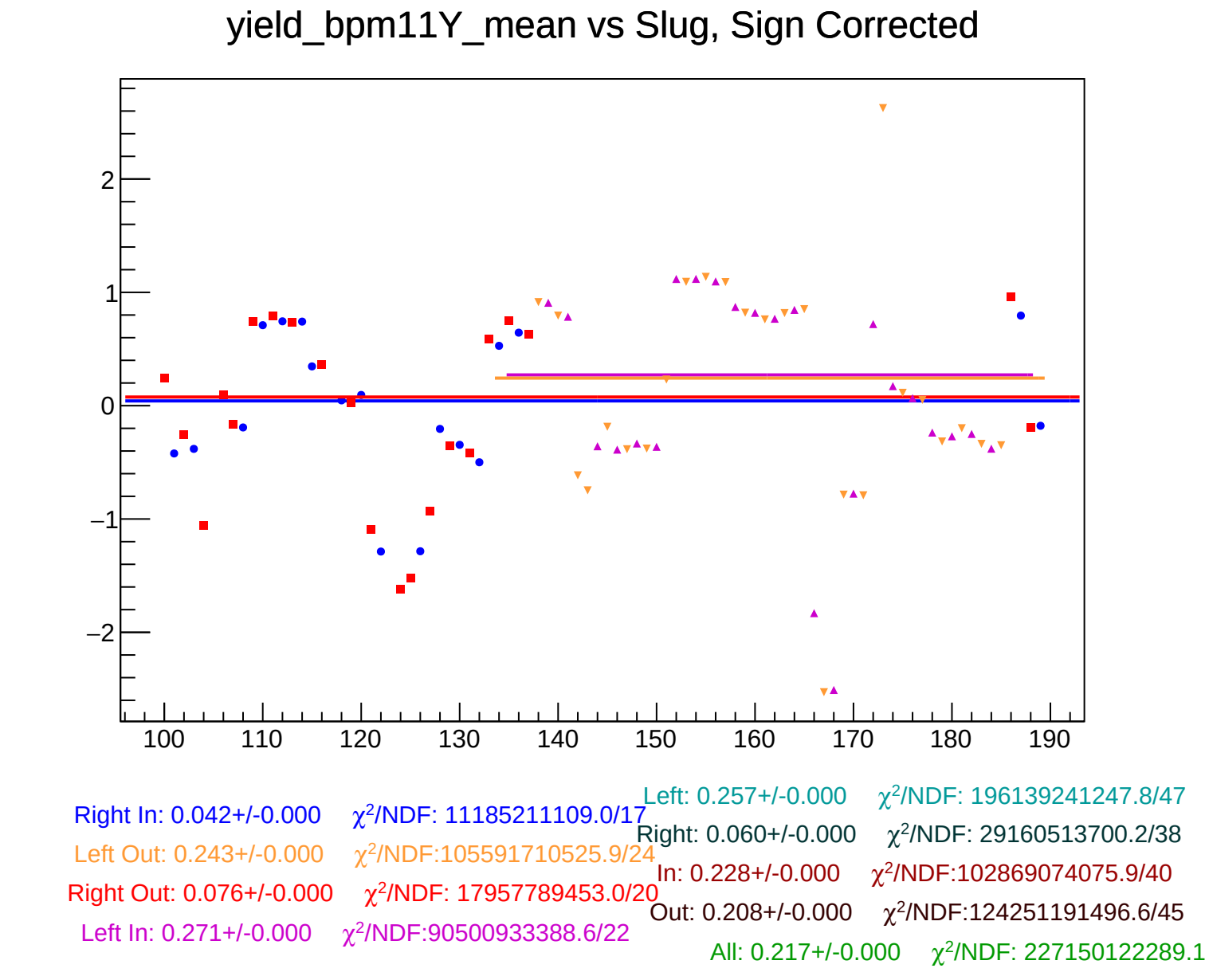
Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

Right: 0.015+/-0.000 χ^2/NDF: 1986320.7/38

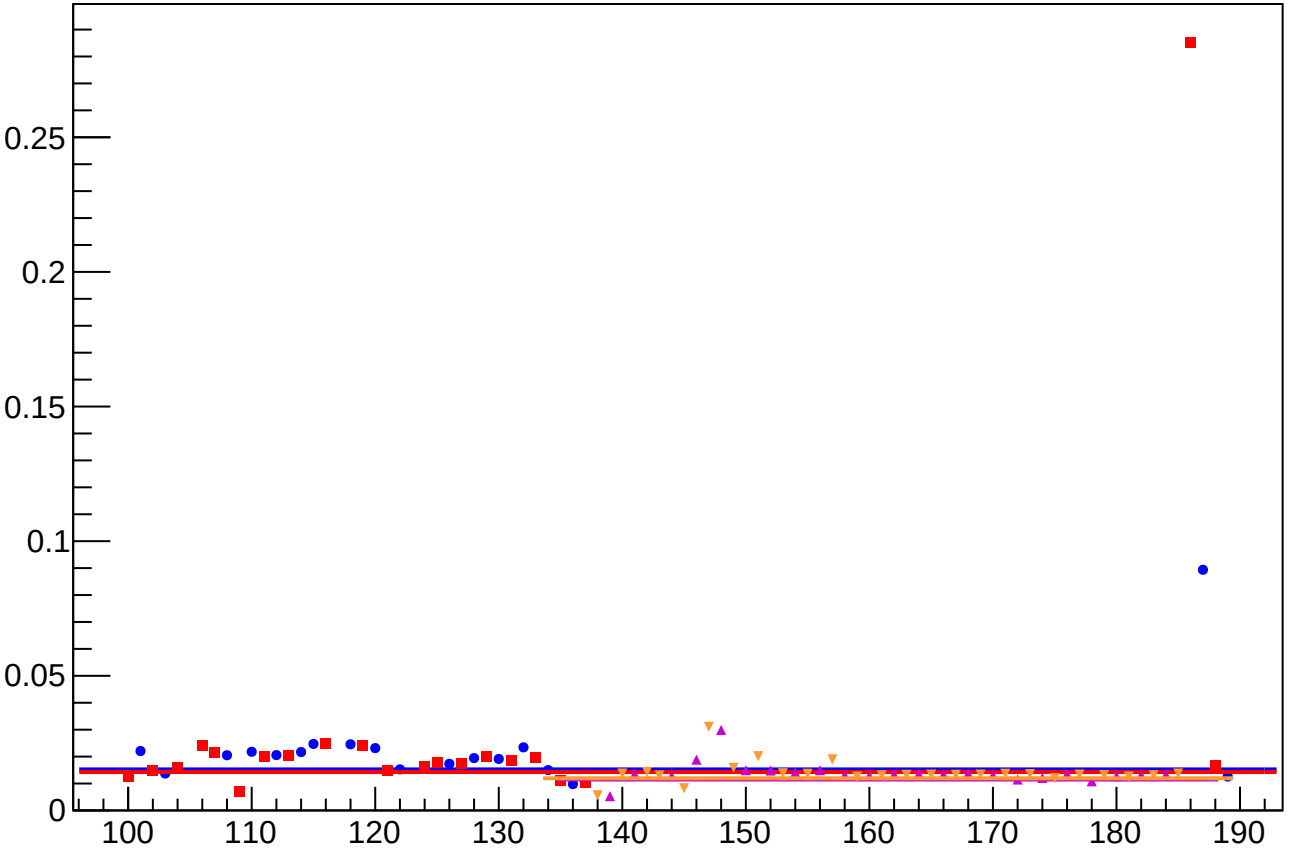
In: 0.014+/-0.000 χ^2/NDF:1782602.9/40

Out: 0.014+/-0.000 χ^2/NDF:1705535.2/45

All: 0.014+/-0.000 χ^2/NDF: 3492300.6/86


yield_bpm11Y_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.042+/-0.000 χ²/NDF: 11185211109.0/17
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.076+/-0.000 χ²/NDF: 17957789453.0/20
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
Left: 0.257+/-0.000 χ²/NDF: 196139241247.8/47
Right: 0.060+/-0.000 χ²/NDF: 29160513700.2/38
In: 0.228+/-0.000 χ²/NDF:102869074075.9/40
Out: 0.208+/-0.000 χ²/NDF:124251191496.6/45
All: 0.217+/-0.000 χ²/NDF: 227150122289.1

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1576594.8/17

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2401397.6/20

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

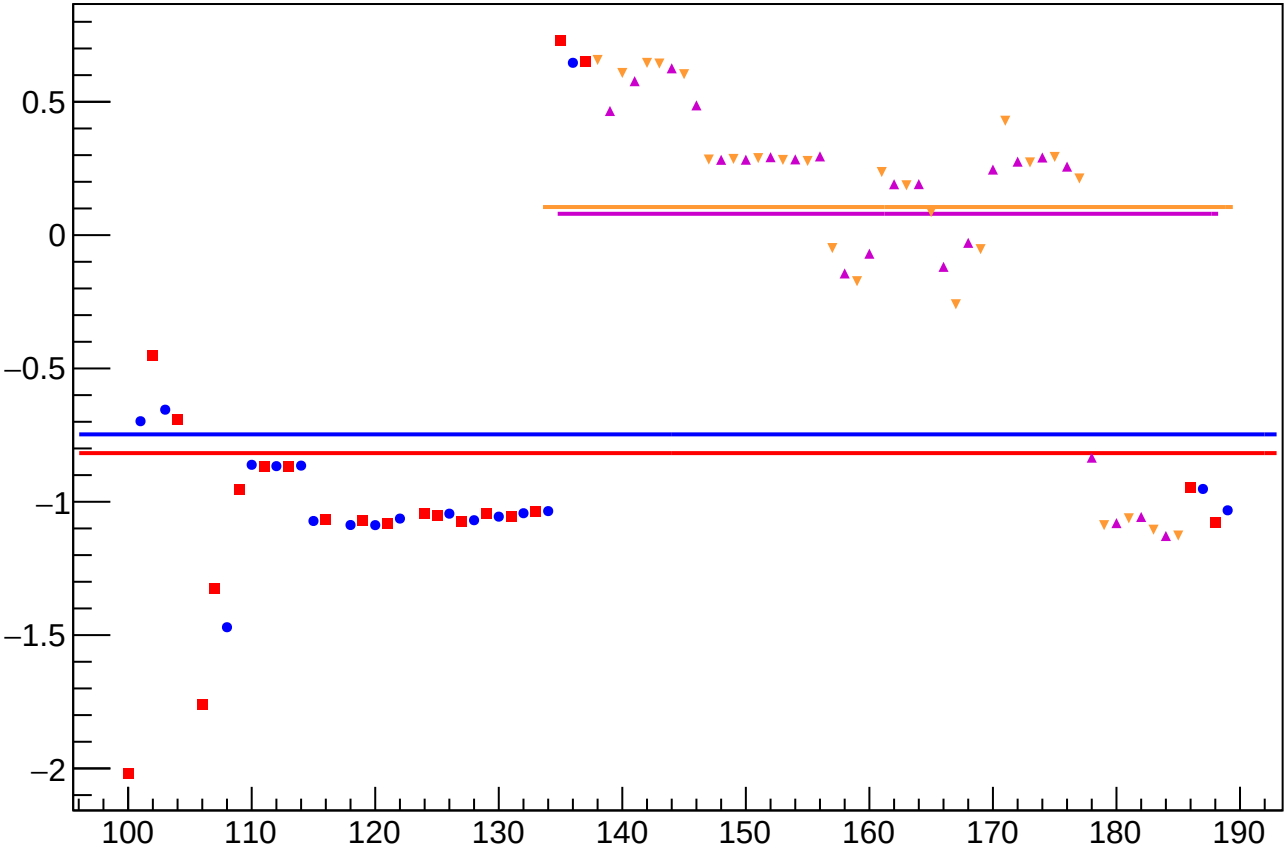
Right: 0.015+/-0.000 χ^2/NDF: 4006282.5/38

In: 0.012+/-0.000 χ^2/NDF:5881568.1/40

Out: 0.012+/-0.000 χ^2/NDF:5938079.6/45

All: 0.012+/-0.000 χ^2/NDF: 11828244.3/86

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.747+/-0.000 χ^2/NDF: 2087351981.9/17

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.817+/-0.000 χ^2/NDF: 1907687953.0/20

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

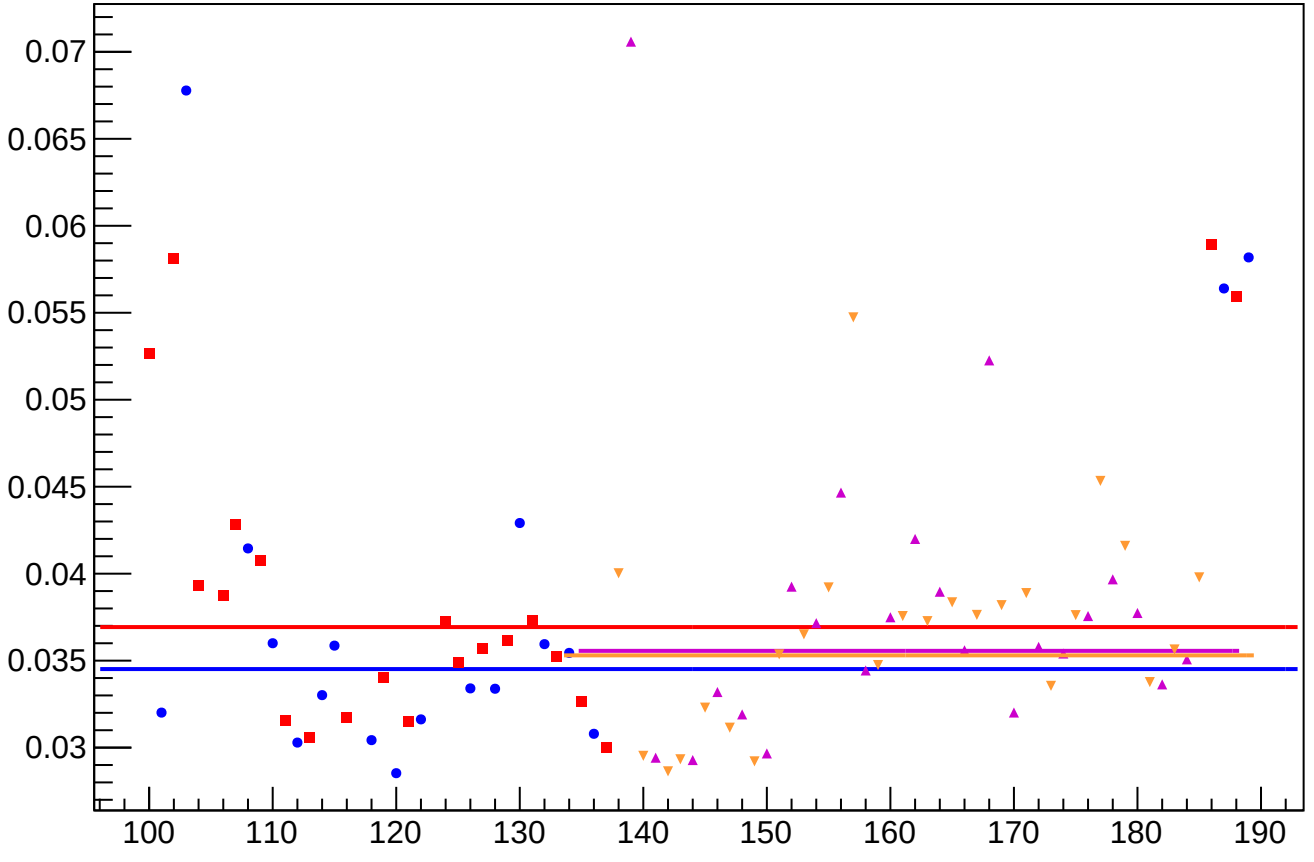
Right: -0.782+/-0.000 χ^2/NDF: 4009033881.7/38

In: -0.178+/-0.000 χ^2/NDF:8067962046.6/40

Out: -0.165+/-0.000 χ^2/NDF:9056973551.2/45

All: -0.171+/-0.000 χ^2/NDF: 17126515043.4/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.035+/-0.000 χ^2/NDF: 641982.3/17

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.037+/-0.000 χ^2/NDF: 644830.6/20

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

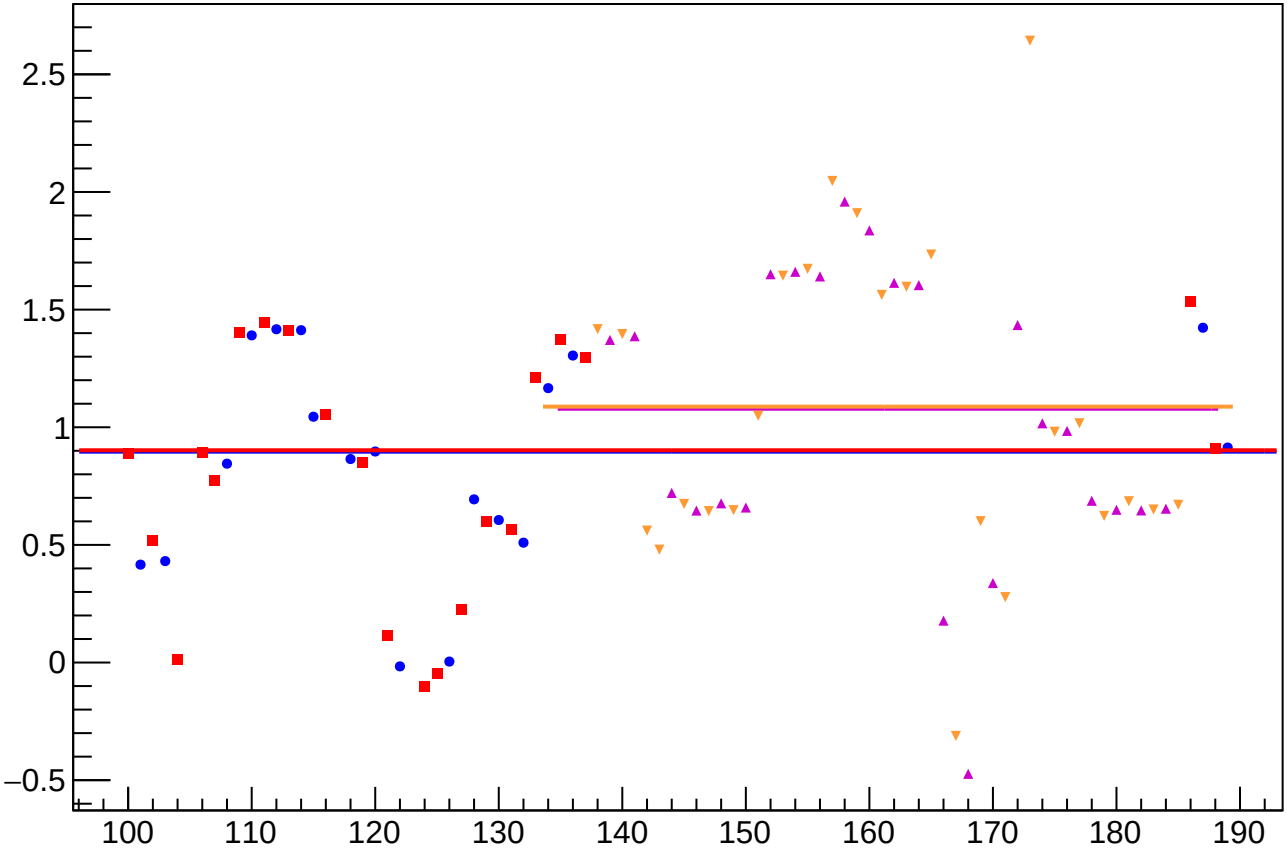
Right: 0.036+/-0.000 χ^2/NDF: 1319841.1/38

In: 0.035+/-0.000 χ^2/NDF:1611059.2/40

Out: 0.036+/-0.000 χ^2/NDF:1278343.0/45

All: 0.036+/-0.000 χ^2/NDF: 2894928.6/86

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.896+/-0.000 χ^2/NDF: 12765096012.7/17

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.902+/-0.000 χ^2/NDF: 17897493613.8/20

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

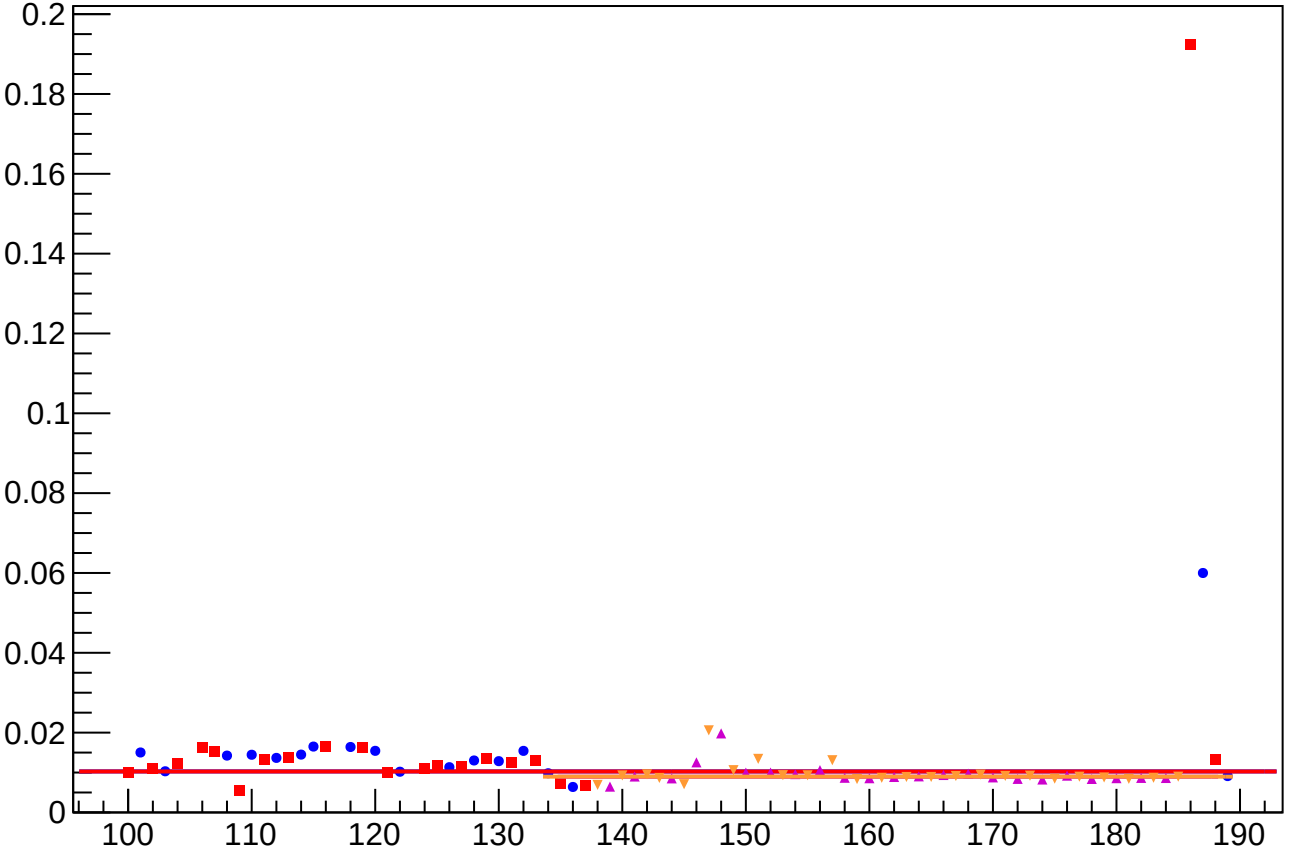
Right: 0.899+/-0.000 χ^2/NDF: 30663676573.5/38

In: 1.038+/-0.000 χ^2/NDF:88417029805.2/40

Out: 1.046+/-0.000 χ^2/NDF:113462265441.2/45

All: 1.042+/-0.000 χ^2/NDF: 201889279532.4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1607547.2/17

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2087315.3/20

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

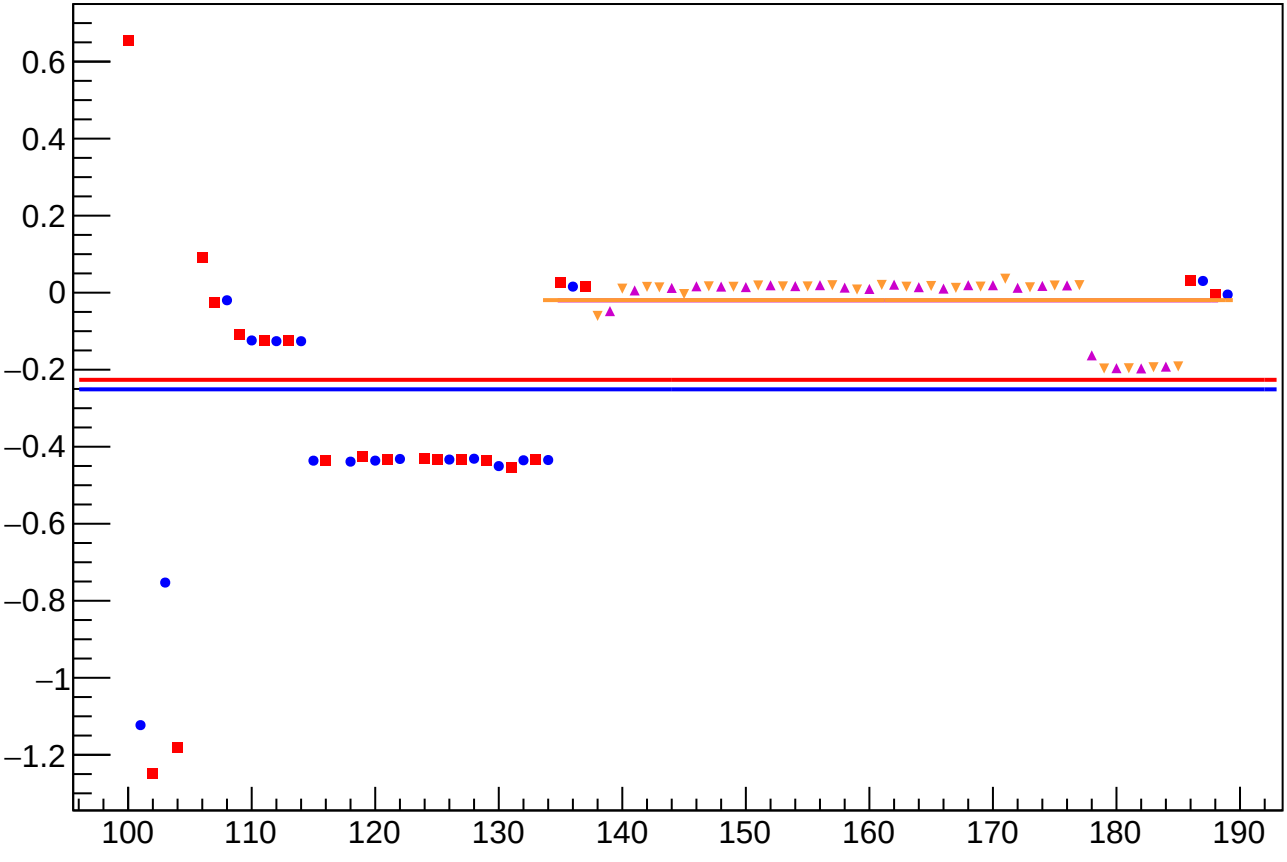
Right: 0.010+/-0.000 χ^2/NDF: 3694873.5/38

In: 0.009+/-0.000 χ^2/NDF:2742237.1/40

Out: 0.009+/-0.000 χ^2/NDF:3400859.3/45

All: 0.009+/-0.000 χ^2/NDF: 6143165.9/86

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.251+/-0.000 χ^2/NDF: 2042779196.7/17

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.226+/-0.000 χ^2/NDF: 1843859755.7/20

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

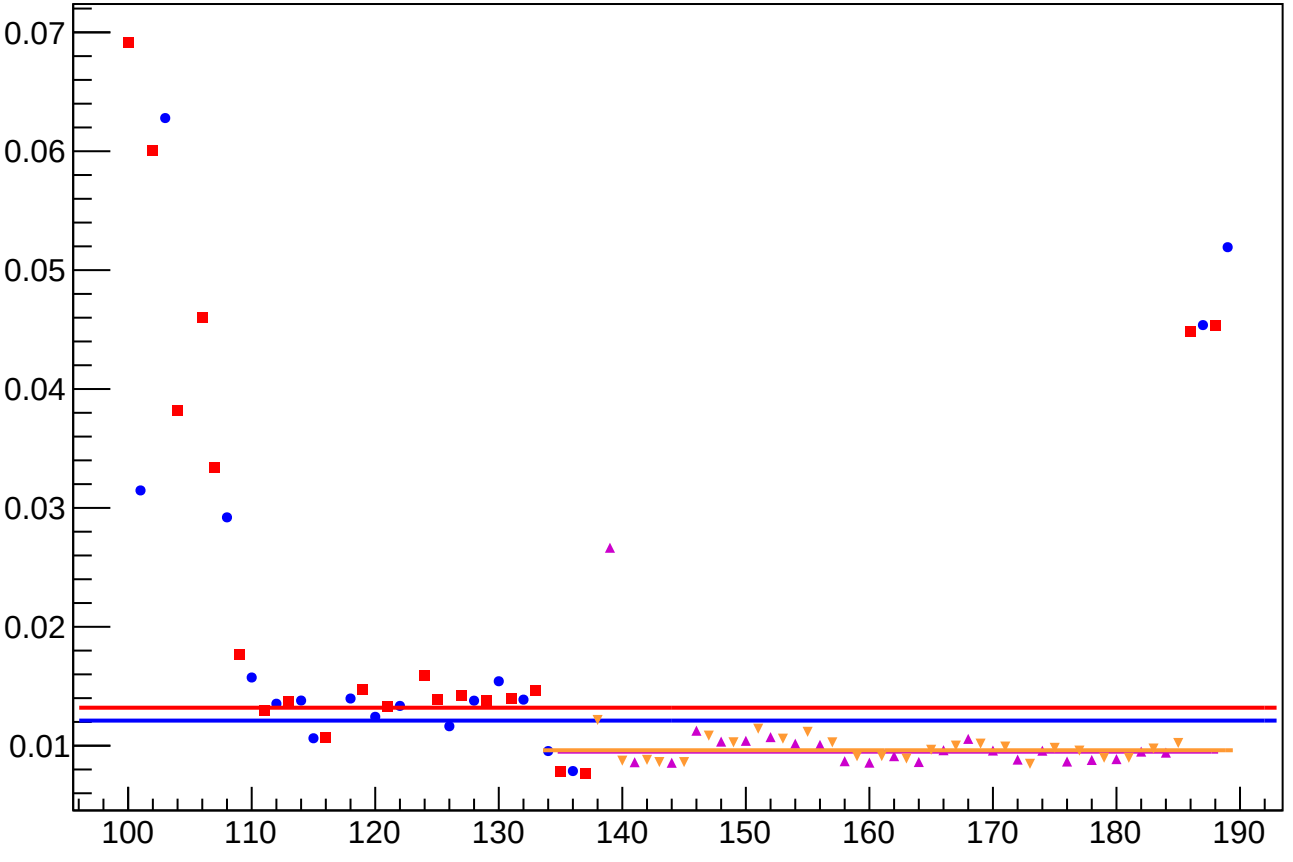
Right: -0.239+/-0.000 χ^2/NDF: 3897032919.6/38

In: -0.060+/-0.000 χ^2/NDF:4601463988.4/40

Out: -0.051+/-0.000 χ^2/NDF:4075389852.0/45

All: -0.056+/-0.000 χ^2/NDF: 8685607929.5/8

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2694657.9/17

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3534975.5/20

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

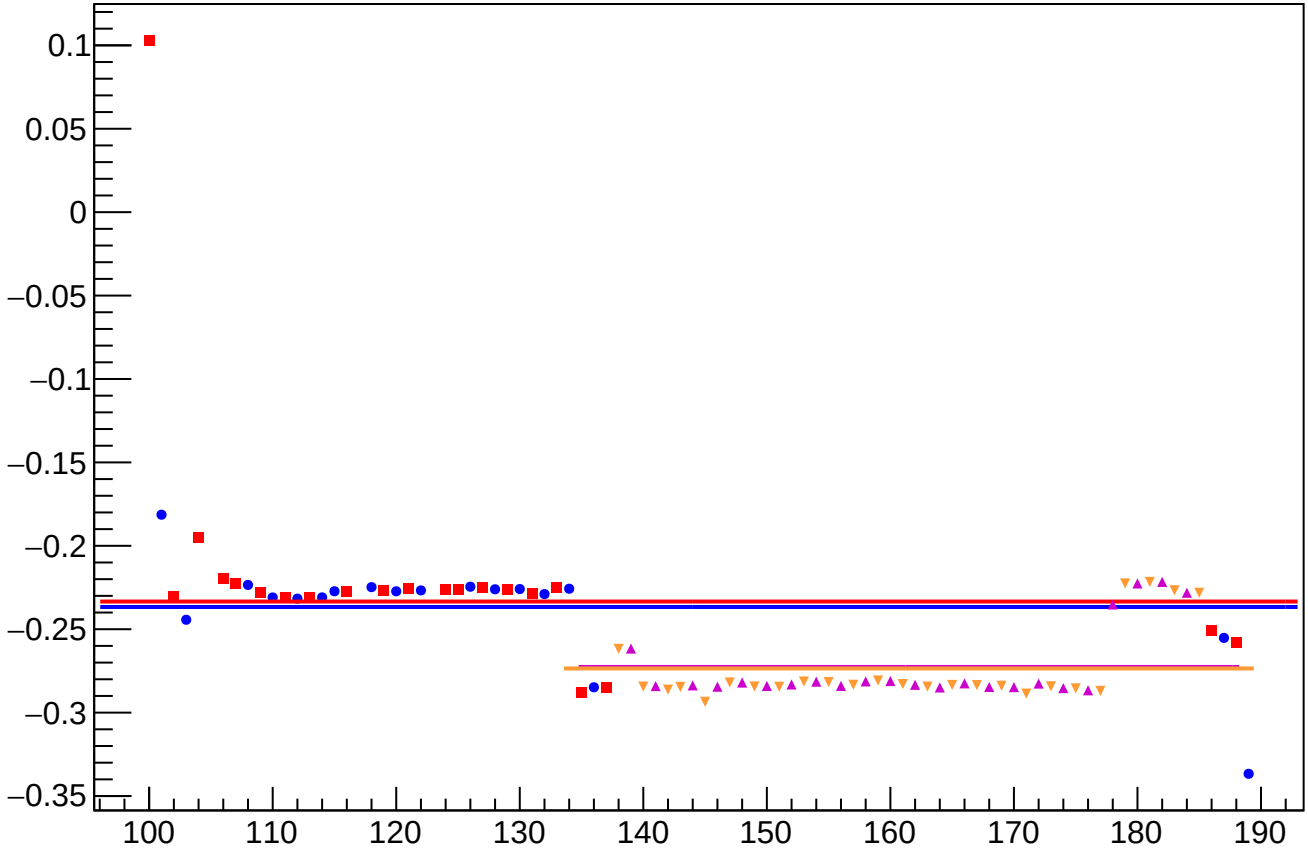
Right: 0.013+/-0.000 χ^2/NDF: 6269626.9/38

In: 0.010+/-0.000 χ^2/NDF:3998281.2/40

Out: 0.010+/-0.000 χ^2/NDF:4508751.6/45

All: 0.010+/-0.000 χ^2/NDF: 8516491.1/86

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.237+/-0.000 χ^2/NDF: 301196851.7/17

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.233+/-0.000 χ^2/NDF: 300173928.0/20

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

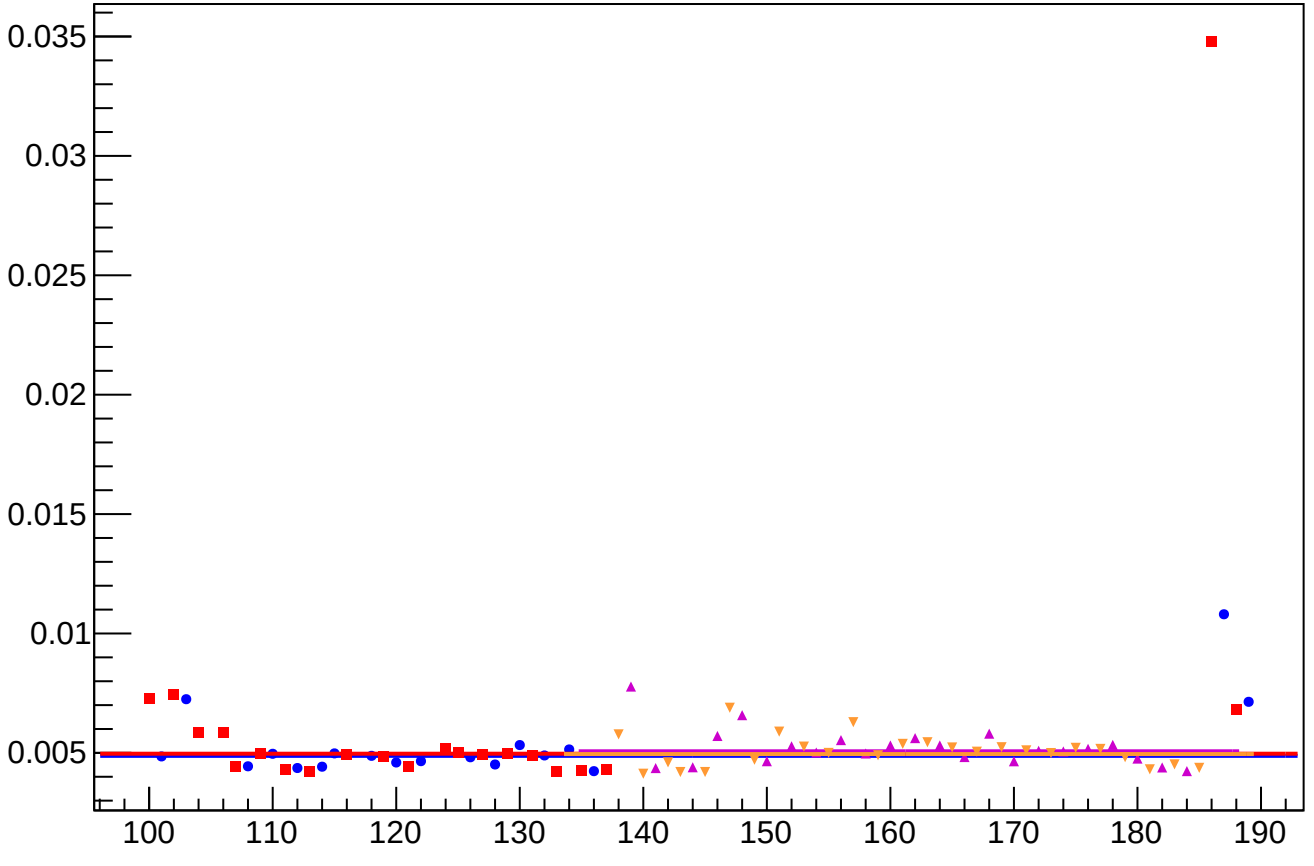
Right: -0.235+/-0.000 χ^2/NDF: 602975267.8/38

In: -0.262+/-0.000 χ^2/NDF:900765031.7/40

Out: -0.262+/-0.000 χ^2/NDF:1046995107.8/45

All: -0.262+/-0.000 χ^2/NDF: 1947760934.6/8

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 403908.3/17

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1005817.8/20

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

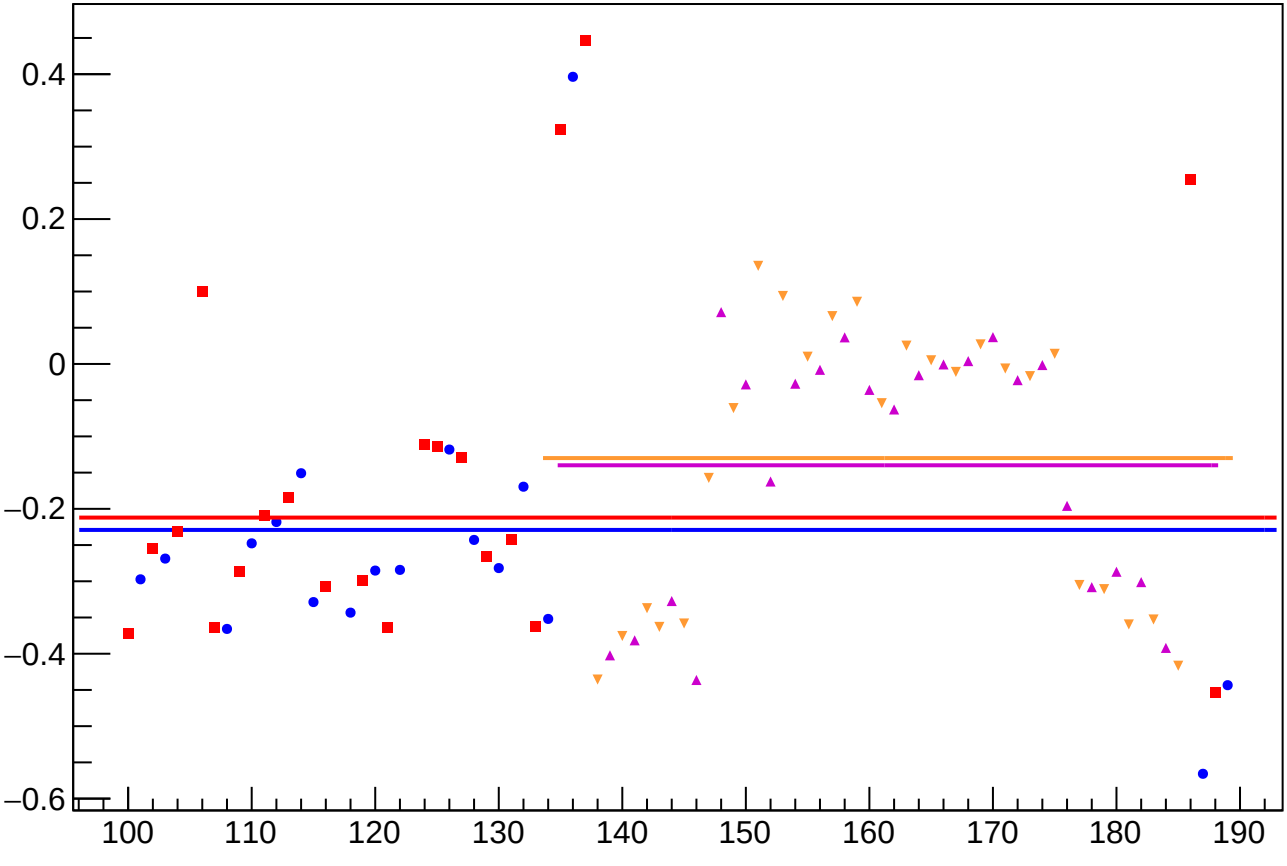
Right: 0.005+/-0.000 χ^2/NDF: 1412129.7/38

In: 0.005+/-0.000 χ^2/NDF:958162.9/40

Out: 0.005+/-0.000 χ^2/NDF:1534683.9/45

All: 0.005+/-0.000 χ^2/NDF: 2495742.8/86

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.229+/-0.000 χ^2/NDF: 7157958362.6/17

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.212+/-0.000 χ^2/NDF: 8159944277.3/20

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

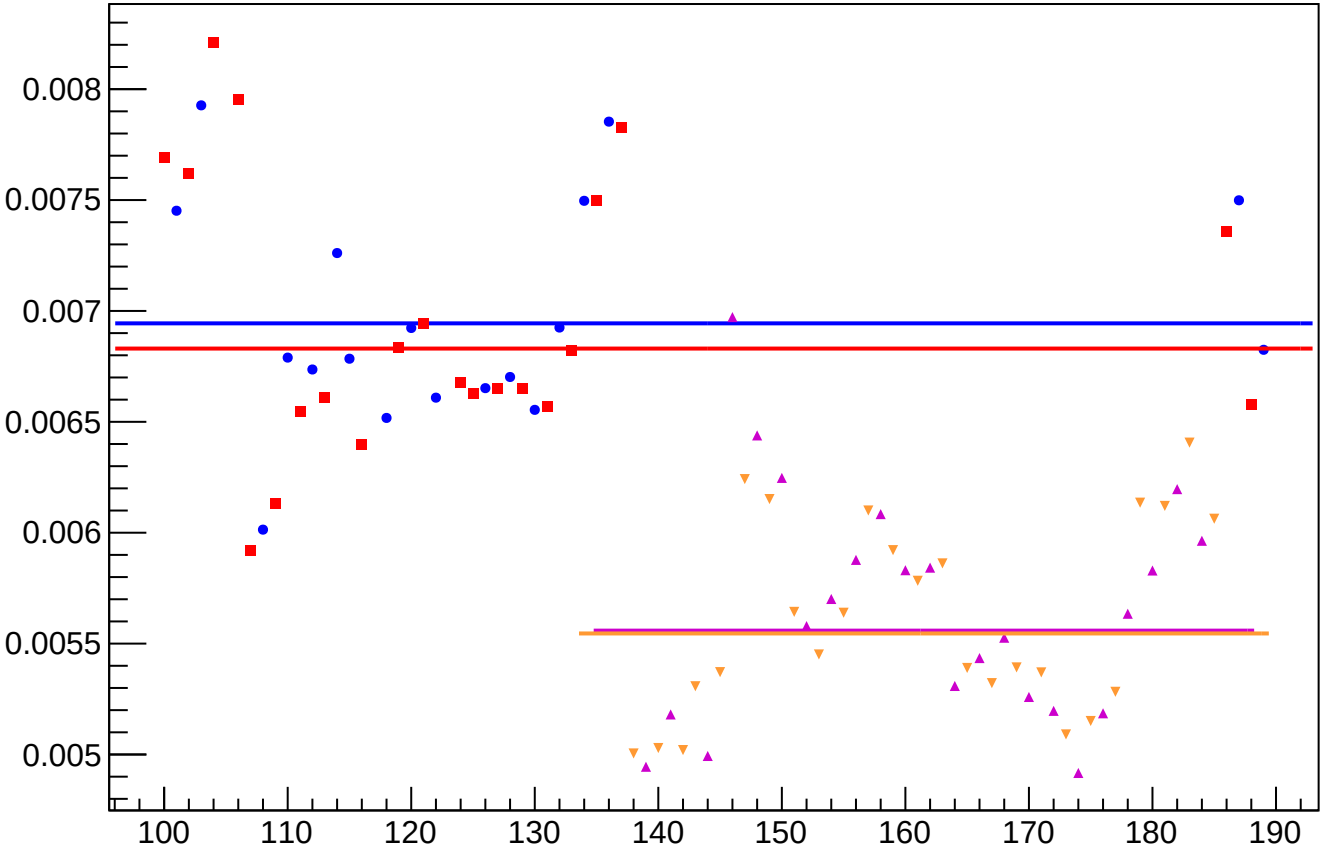
Right: -0.220+/-0.000 χ^2/NDF: 15342742432.4/38

In: -0.160+/-0.000 χ^2/NDF:23299663634.2/40

Out: -0.149+/-0.000 χ^2/NDF:30603168155.9/45

All: -0.154+/-0.000 χ^2/NDF: 53944294644.4/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 87486.7/17

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 106755.7/20

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

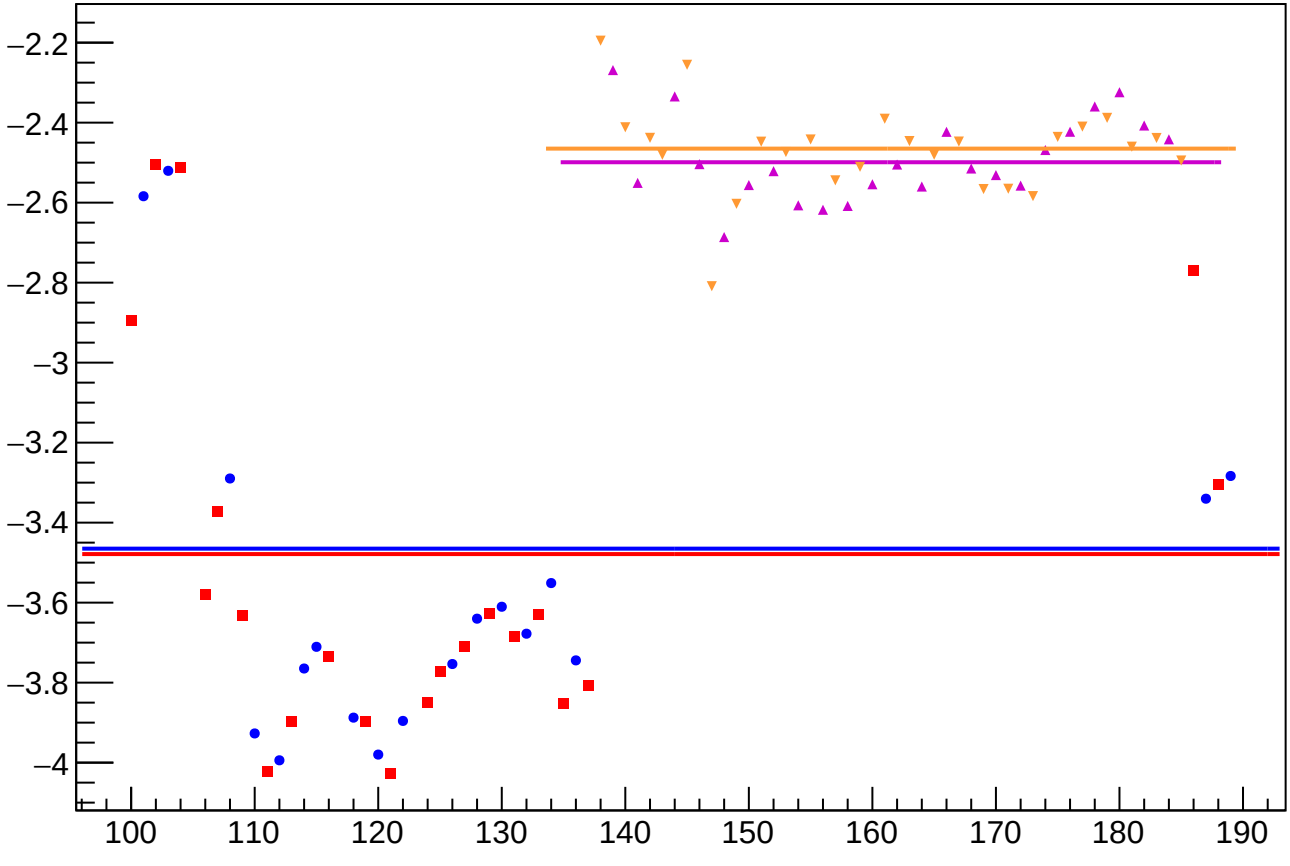
Right: 0.007+/-0.000 χ^2/NDF: 196455.3/38

In: 0.006+/-0.000 χ^2/NDF:827315.0/40

Out: 0.006+/-0.000 χ^2/NDF:771845.6/45

All: 0.006+/-0.000 χ^2/NDF: 1599448.7/86

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.465+/-0.000 χ^2/NDF: 29731716152.6/17

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.479+/-0.000 χ^2/NDF: 31641885427.9/20

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

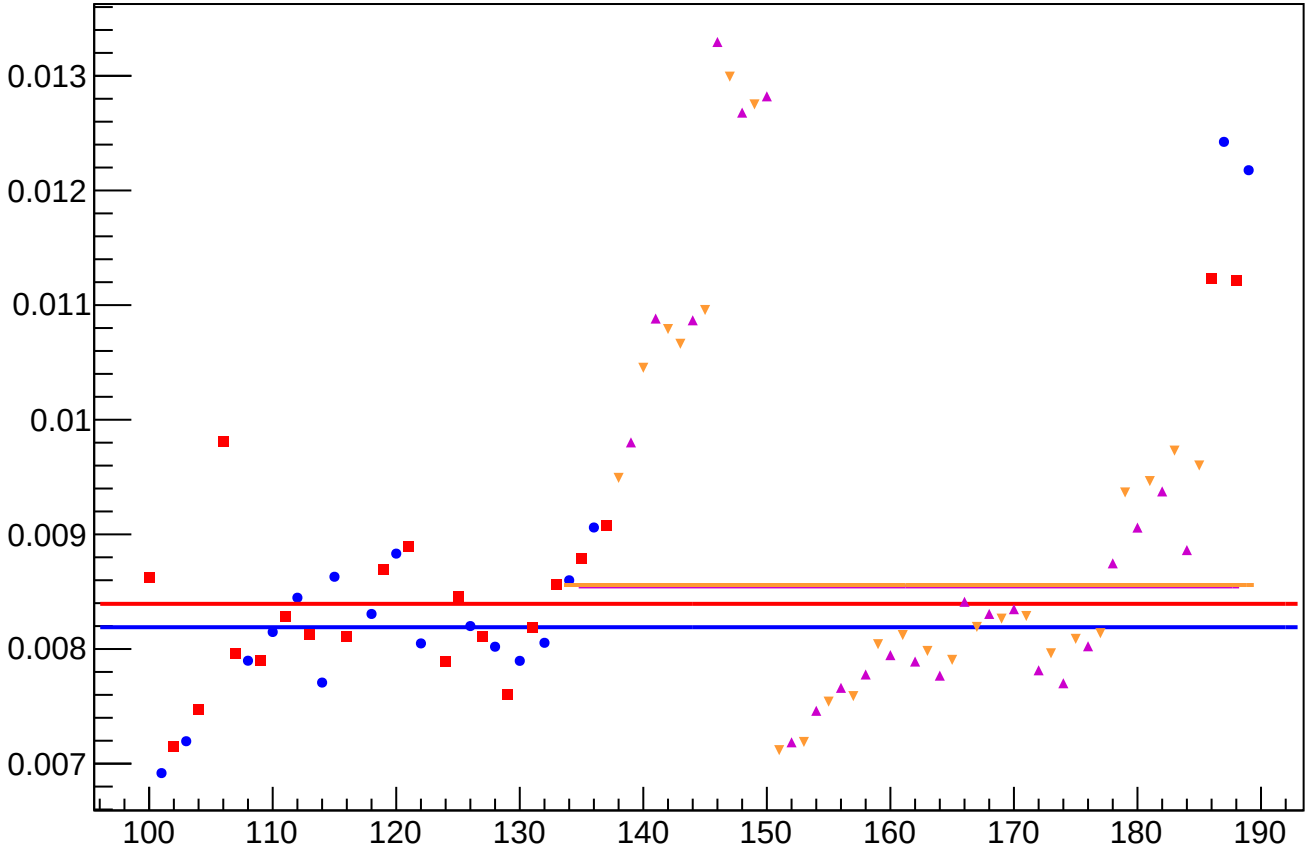
Right: -3.472+/-0.000 χ^2/NDF: 61384302118.9/38

In: -2.814+/-0.000 χ^2/NDF:103288517118.6/40

Out: -2.794+/-0.000 χ^2/NDF:116179939782.6/45

All: -2.804+/-0.000 χ^2/NDF: 219541330529.0

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 246279.6/17

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 258667.2/20

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

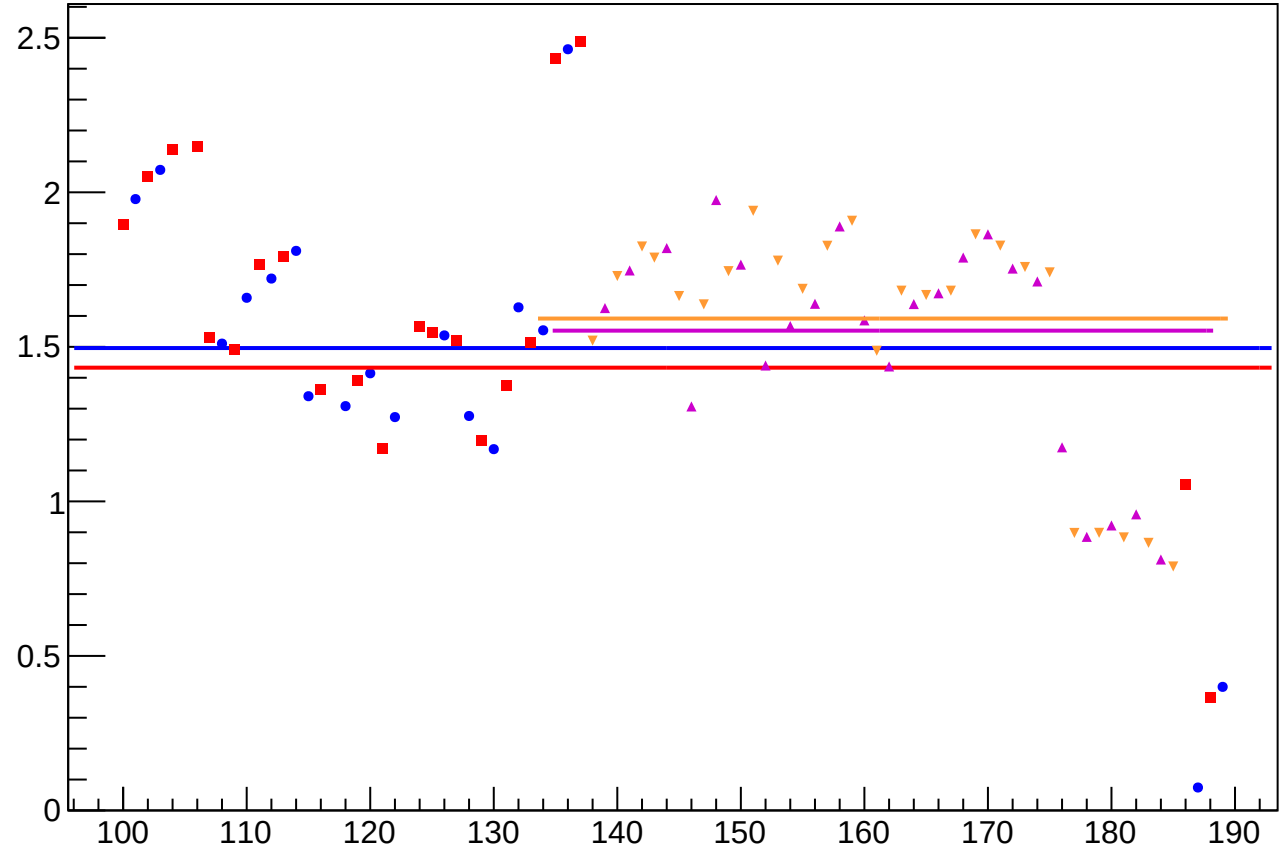
Right: 0.008+/-0.000 χ^2/NDF: 509769.0/38

In: 0.008+/-0.000 χ^2/NDF:1176369.3/40

Out: 0.009+/-0.000 χ^2/NDF:1087021.4/45

All: 0.008+/-0.000 χ^2/NDF: 2265405.7/86

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.496+/-0.000 χ^2/NDF: 15885841264.0/17

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.433+/-0.000 χ^2/NDF: 19610375295.5/20

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

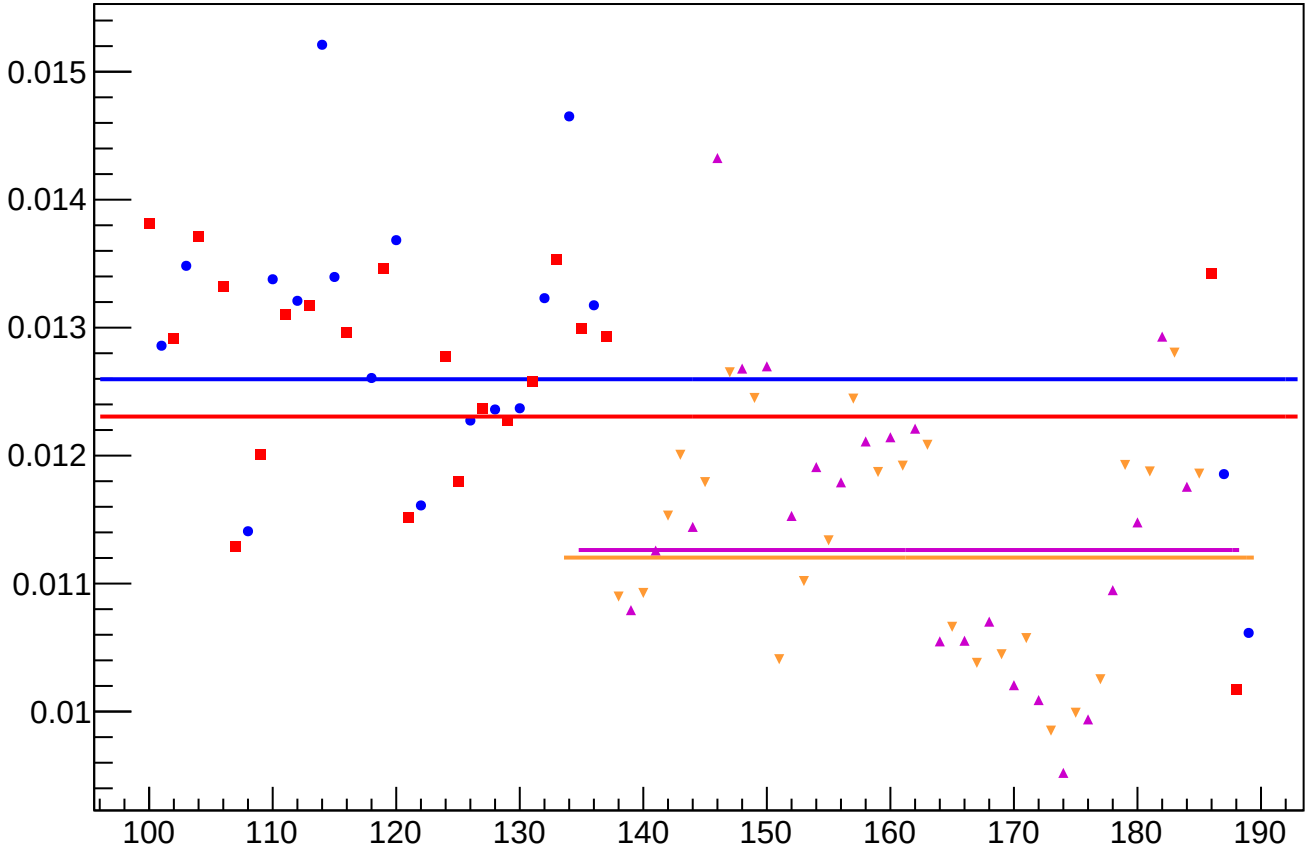
Right: 1.462+/-0.000 χ^2/NDF: 35601129295.7/38

In: 1.538+/-0.000 χ^2/NDF:30055314612.0/40

Out: 1.548+/-0.000 χ^2/NDF:37716006170.0/45

All: 1.543+/-0.000 χ^2/NDF: 67780961184.2/8

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 94867.0/17

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 144789.5/20

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

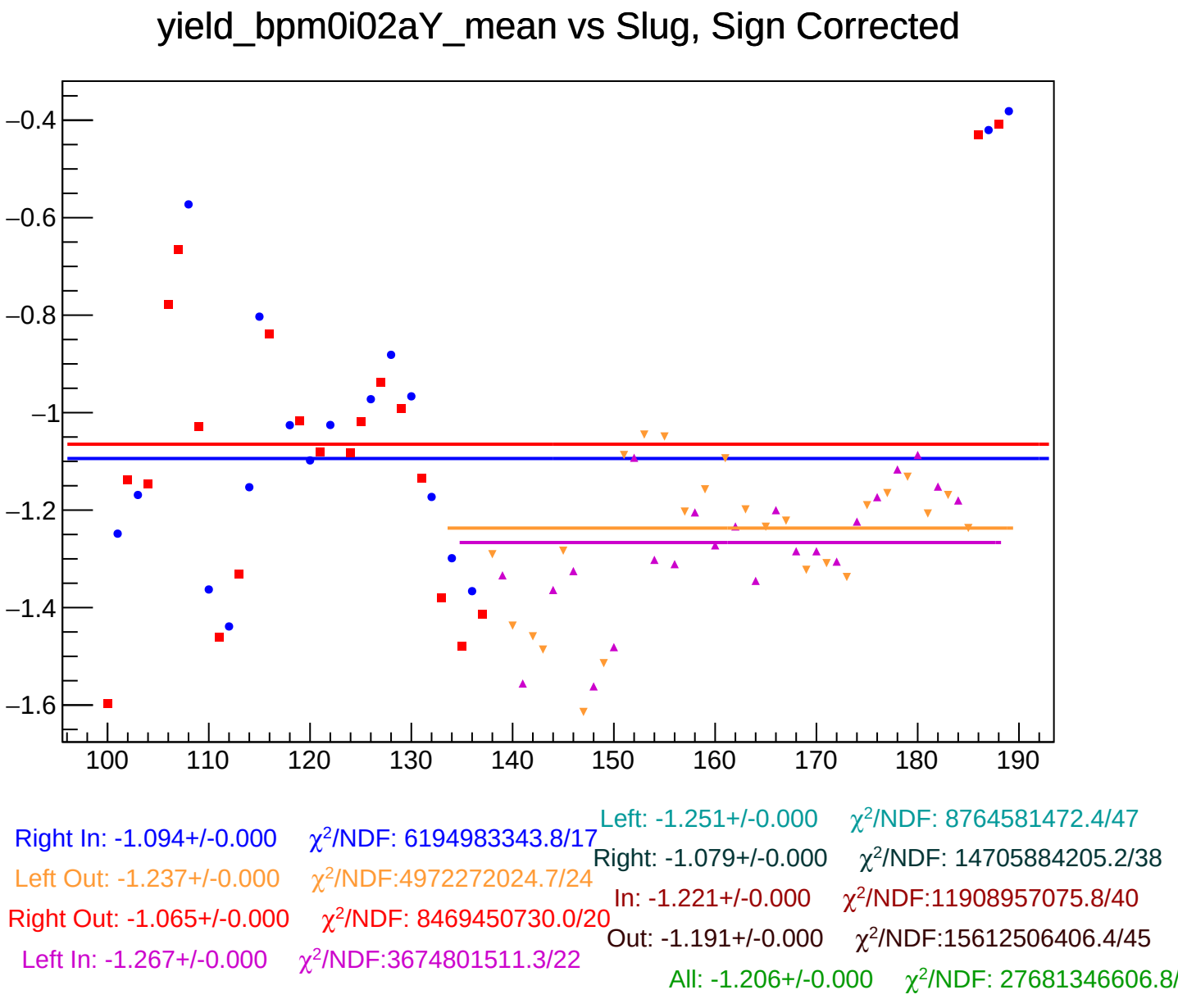
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

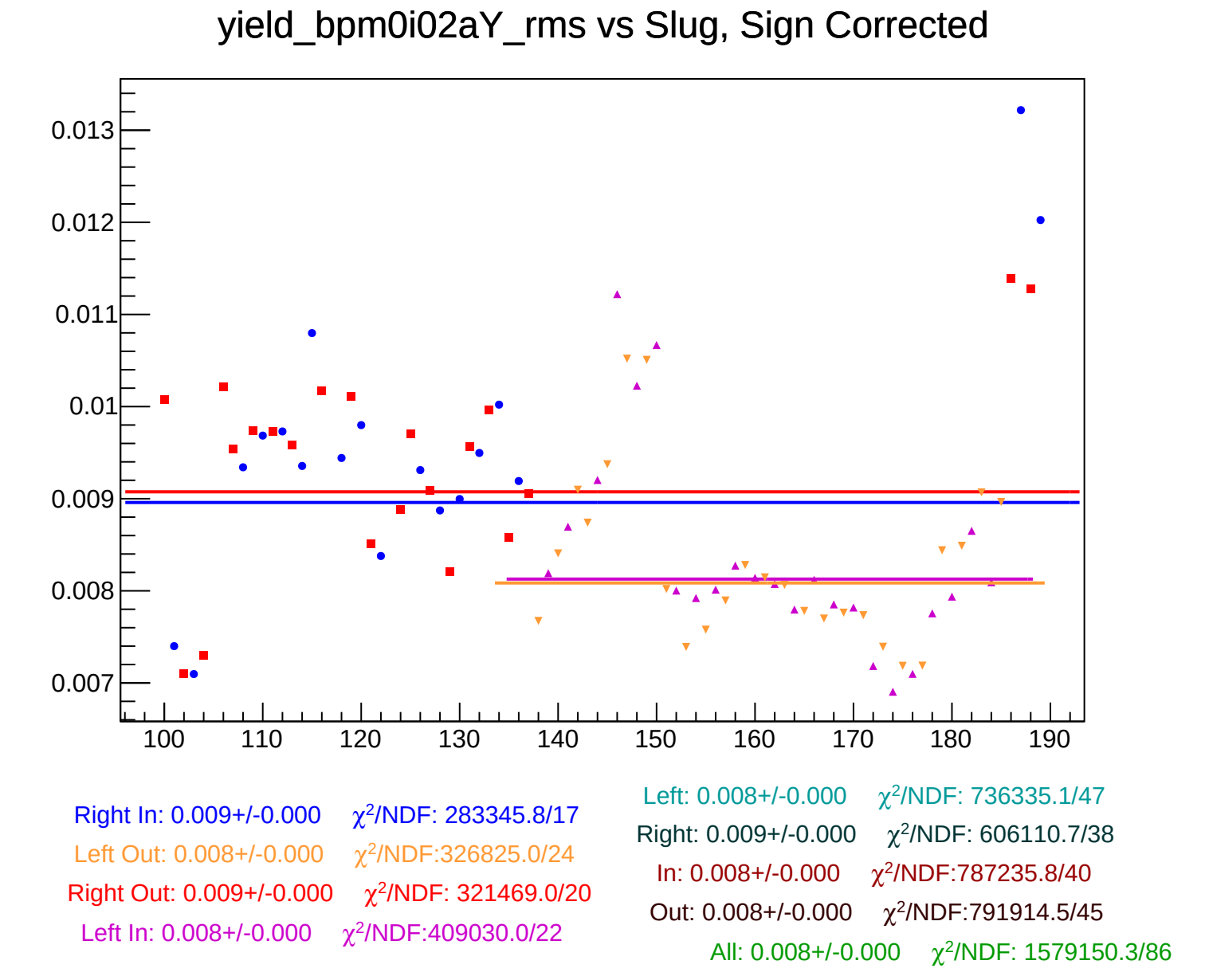
Right: 0.012+/-0.000 χ^2/NDF: 244082.8/38

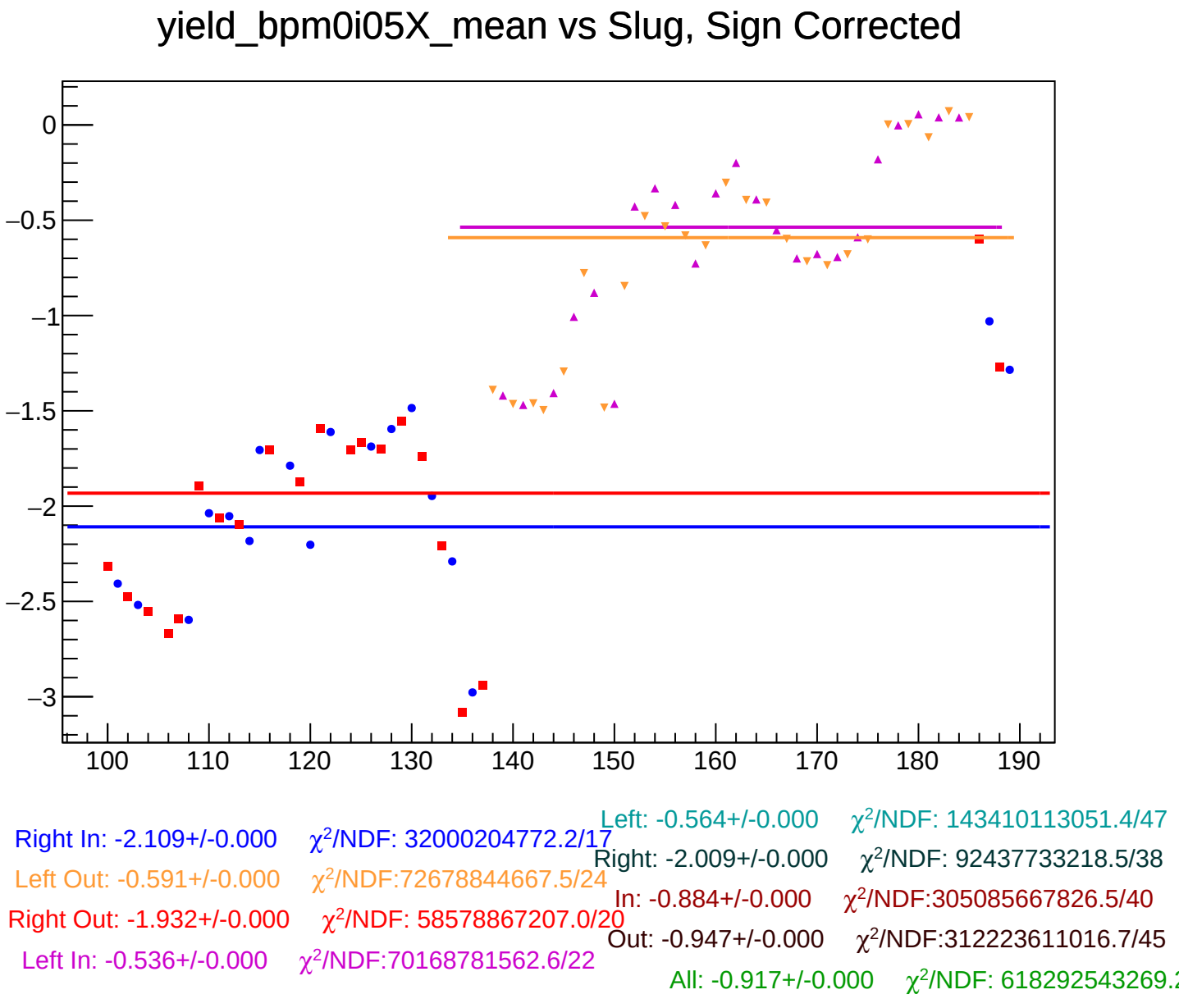
In: 0.012+/-0.000 χ^2/NDF:534016.9/40

Out: 0.012+/-0.000 χ^2/NDF:467101.8/45

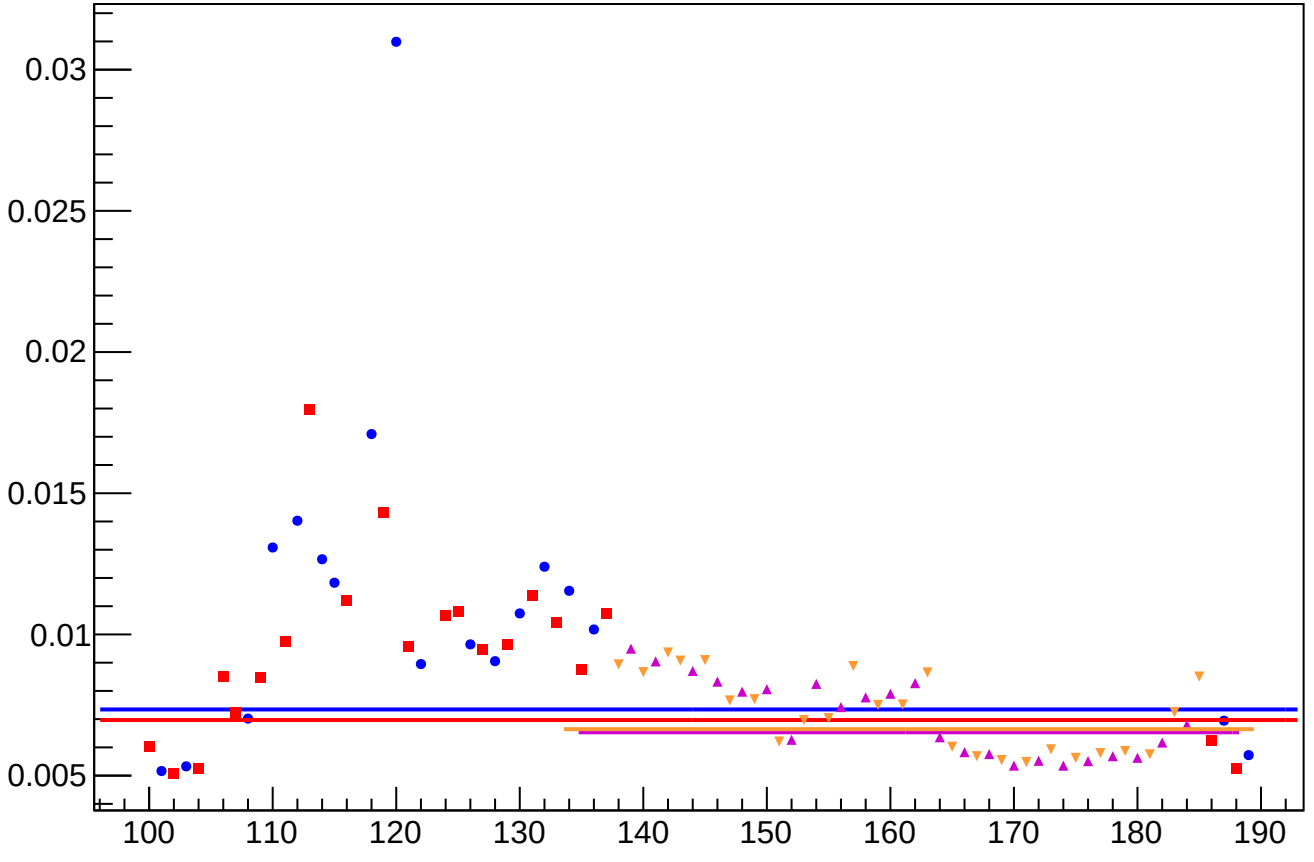
All: 0.012+/-0.000 χ^2/NDF: 1003223.6/86


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
180
190
Right In: -1.094+/-0.000 χ²/NDF: 6194983343.8/17
Left Out: -1.237+/-0.000 χ²/NDF:4972272024.7/24
Right Out: -1.065+/-0.000 χ²/NDF: 8469450730.0/20
Left In: -1.267+/-0.000 χ²/NDF:3674801511.3/22
Left: -1.251+/-0.000 χ²/NDF: 8764581472.4/47
Right: -1.079+/-0.000 χ²/NDF: 14705884205.2/38
In: -1.221+/-0.000 χ²/NDF:11908957075.8/40
Out: -1.191+/-0.000 χ²/NDF:15612506406.4/45
All: -1.206+/-0.000 χ²/NDF: 27681346606.8/


yield_bpm0i02aY_rms vs Slug, Sign Corrected
0.013
0.012
0.011
0.01
0.009
0.008
0.007
100
110
120
130
140
150
160
170
180
190
Right In: 0.009+/-0.000 χ²/NDF: 283345.8/17
Left Out: 0.008+/-0.000 χ²/NDF:326825.0/24
Right Out: 0.009+/-0.000 χ²/NDF: 321469.0/20
Left In: 0.008+/-0.000 χ²/NDF:409030.0/22
Left: 0.008+/-0.000 χ²/NDF: 736335.1/47
Right: 0.009+/-0.000 χ²/NDF: 606110.7/38
In: 0.008+/-0.000 χ²/NDF:787235.8/40
Out: 0.008+/-0.000 χ²/NDF:791914.5/45
All: 0.008+/-0.000 χ²/NDF: 1579150.3/86


yield_bpm0i05X_mean vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
180
190
Right In: -2.109+/-0.000 χ²/NDF: 32000204772.2/17
Left Out: -0.591+/-0.000 χ²/NDF:72678844667.5/24
Right Out: -1.932+/-0.000 χ²/NDF: 58578867207.0/20
Left In: -0.536+/-0.000 χ²/NDF:70168781562.6/22
Left: -0.564+/-0.000 χ²/NDF: 143410113051.4/47
Right: -2.009+/-0.000 χ²/NDF: 92437733218.5/38
In: -0.884+/-0.000 χ²/NDF:305085667826.5/40
Out: -0.947+/-0.000 χ²/NDF:312223611016.7/45
All: -0.917+/-0.000 χ²/NDF: 618292543269.2

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1803911.2/17

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1601815.1/20

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

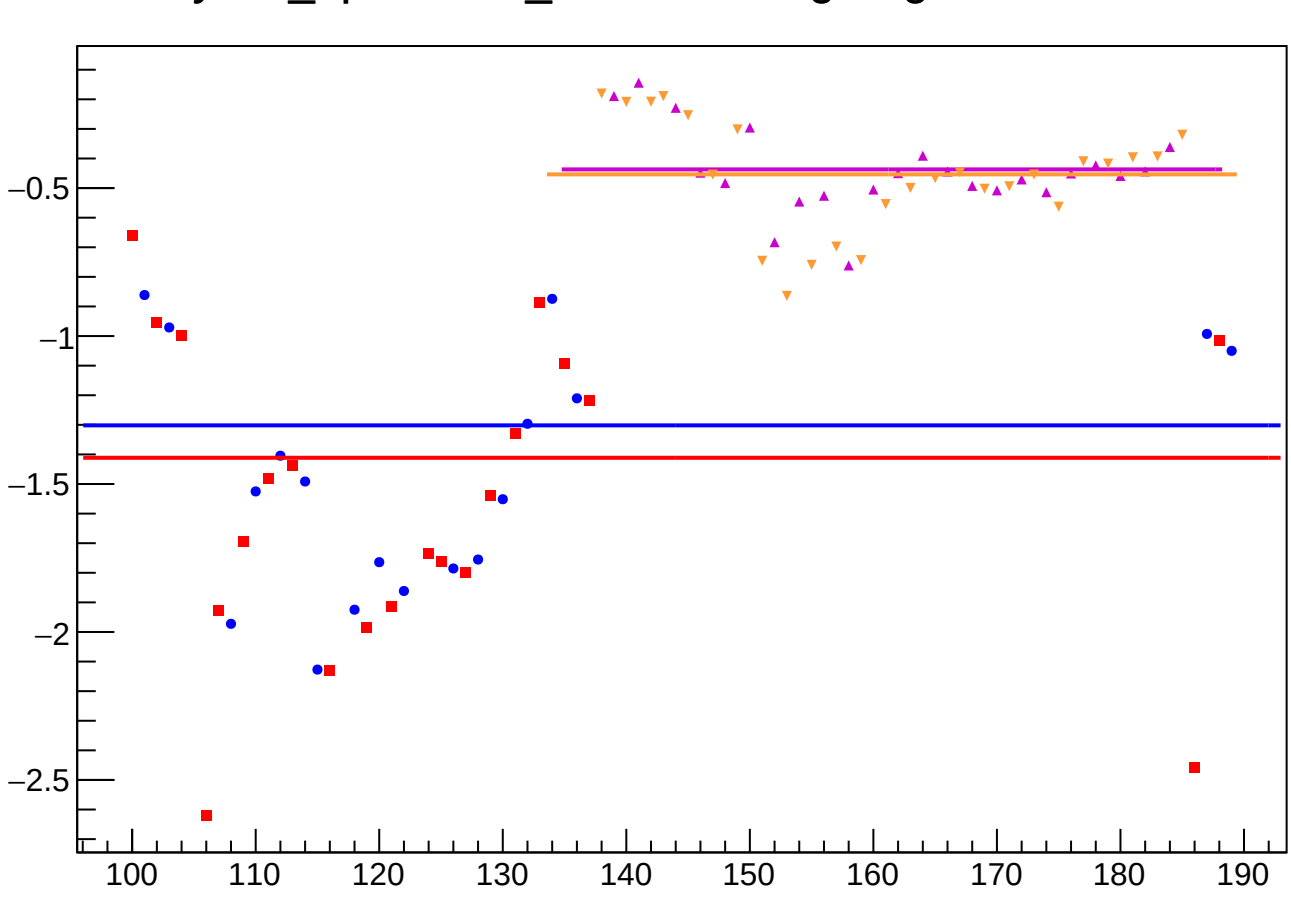
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.007+/-0.000 χ^2/NDF: 3422426.8/38

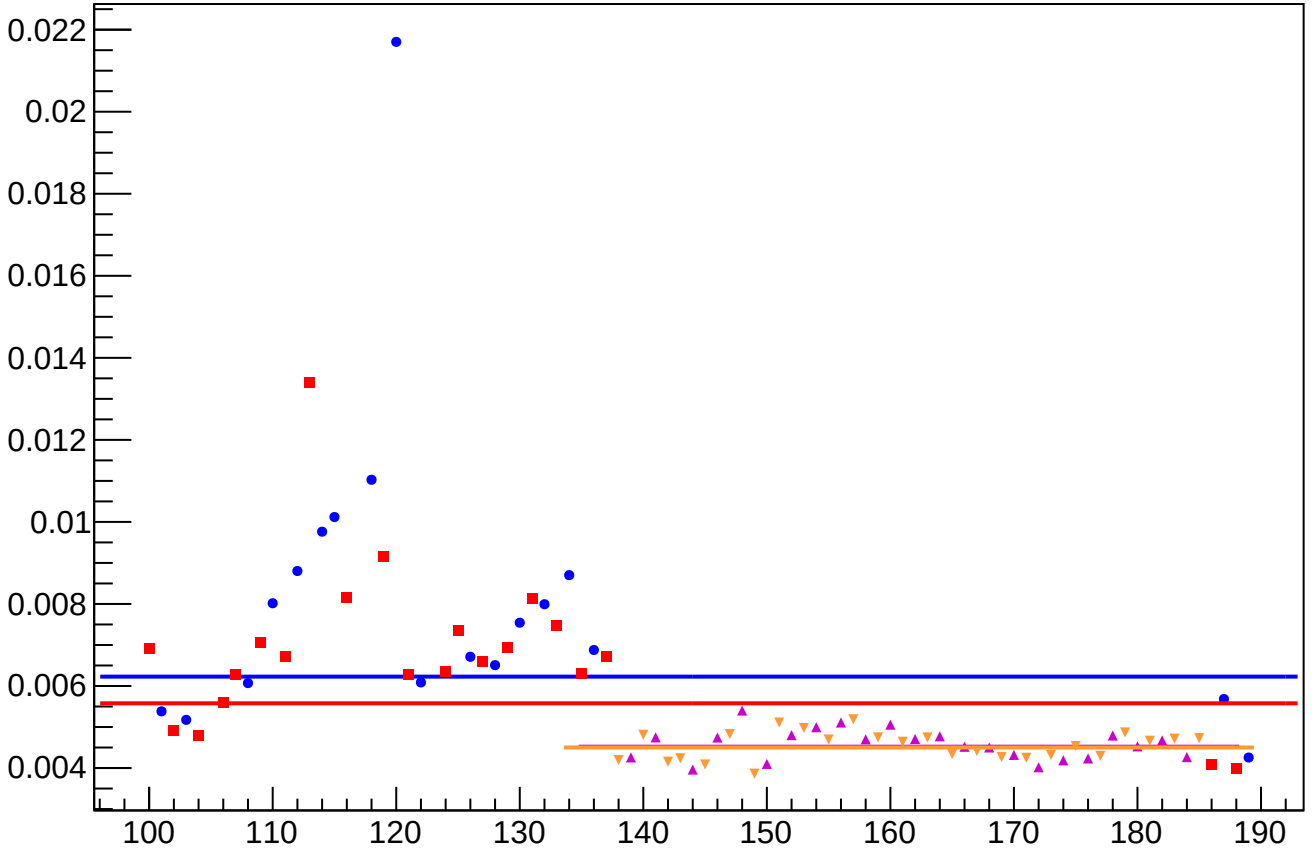
In: 0.007+/-0.000 χ^2/NDF:3062399.6/40

Out: 0.007+/-0.000 χ^2/NDF:2714858.2/45

All: 0.007+/-0.000 χ^2/NDF: 5777409.8/86


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
180
190
Right In: -1.302+/-0.000 χ²/NDF: 23935568308.2/17
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.411+/-0.000 χ²/NDF: 61456821885.9/20
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.366+/-0.000 χ²/NDF: 86524415911.9/38
In: -0.580+/-0.000 χ²/NDF:141259998352.6/40
Out: -0.652+/-0.000 χ²/NDF:255729582530.9/45
All: -0.618+/-0.000 χ²/NDF: 399675743694.2

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 935223.6/17

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1068928.4/20

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

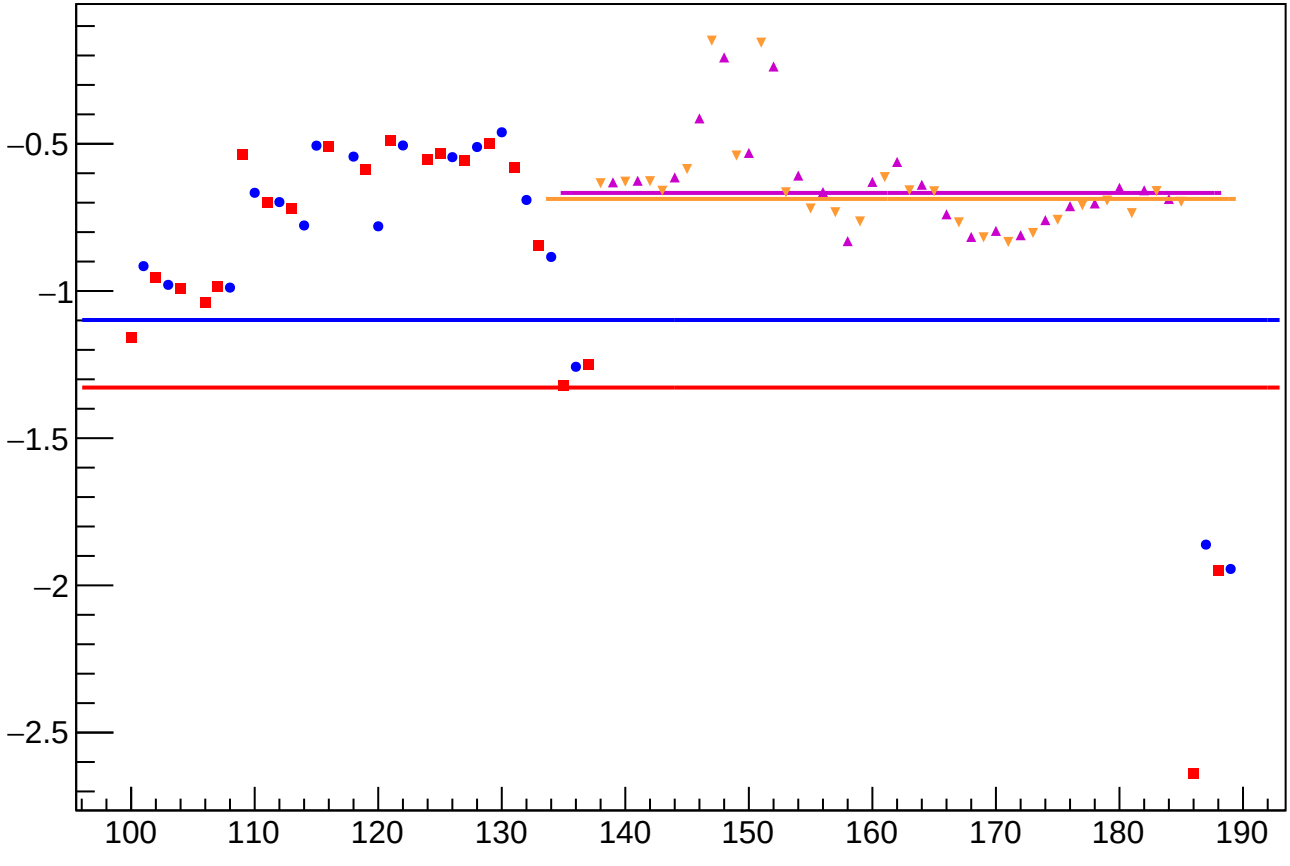
Right: 0.006+/-0.000 χ^2/NDF: 2083964.8/38

In: 0.005+/-0.000 χ^2/NDF:1933054.5/40

Out: 0.005+/-0.000 χ^2/NDF:1675926.2/45

All: 0.005+/-0.000 χ^2/NDF: 3615405.6/86

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.099+/-0.000 χ^2/NDF: 68643113953.9/17

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.328+/-0.000 χ^2/NDF: 165247952785.0/20

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

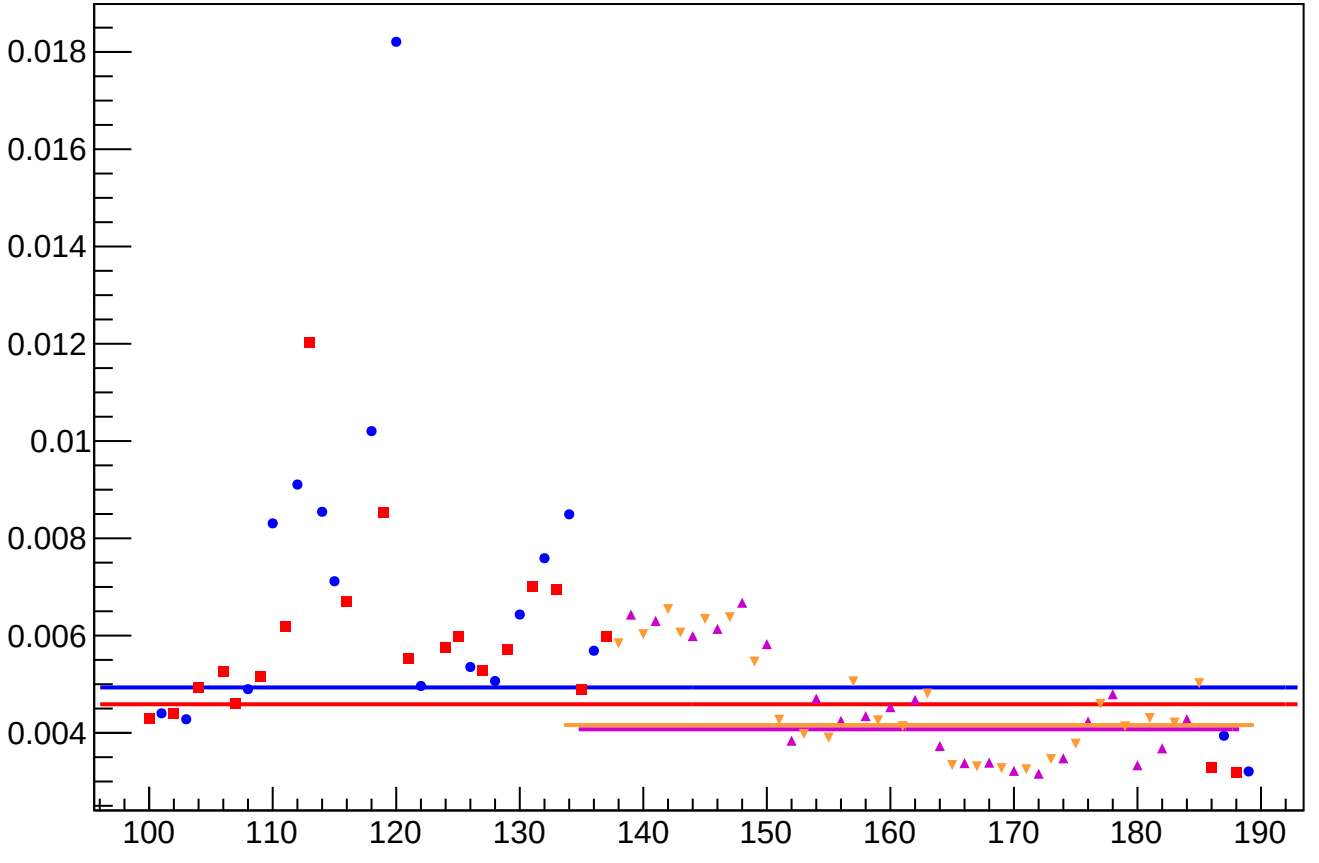
Right: -1.230+/-0.000 χ^2/NDF: 241308917967.9/38

In: -0.756+/-0.000 χ^2/NDF:127594742659.2/40

Out: -0.850+/-0.000 χ^2/NDF:288606375281.8/45

All: -0.805+/-0.000 χ^2/NDF: 421813837423.2

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1386398.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1294944.4/20

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

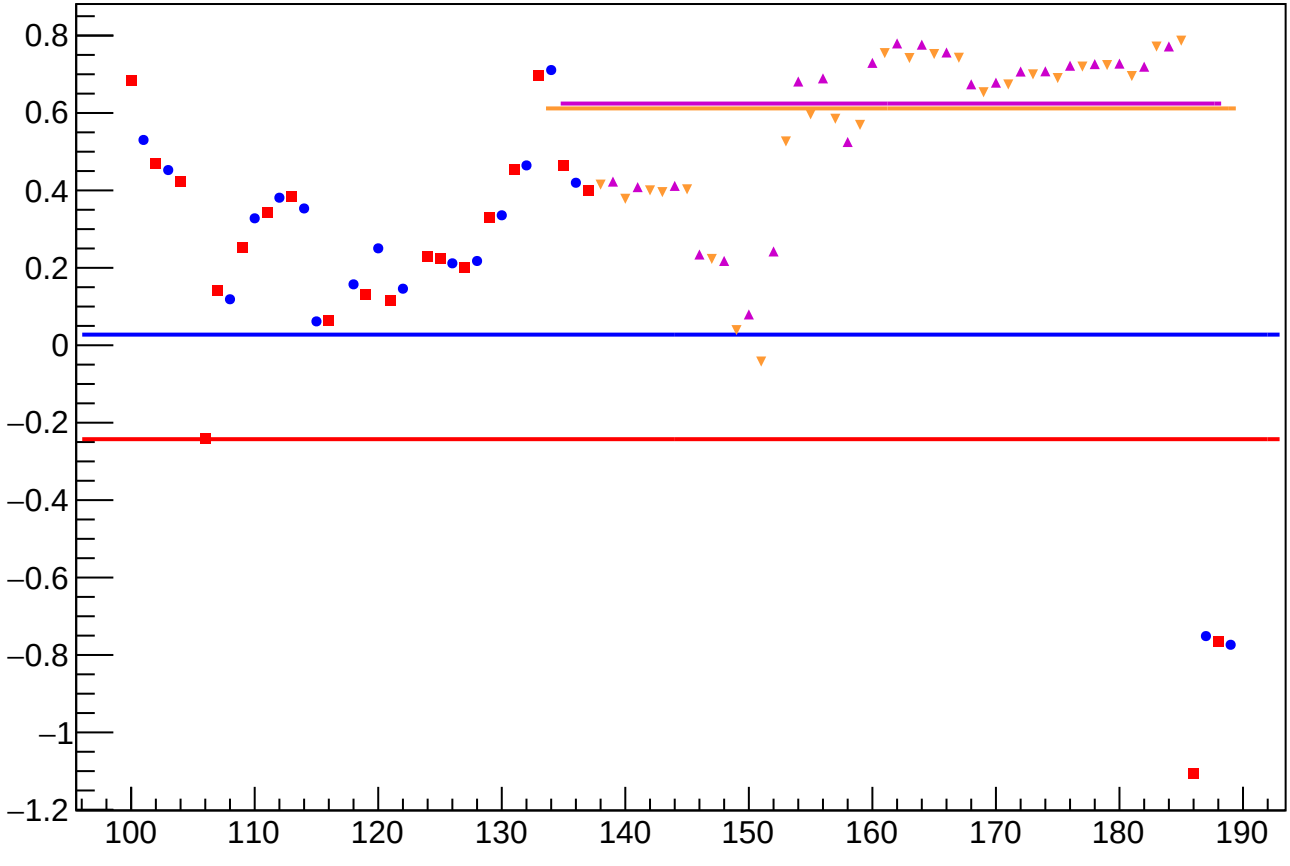
Right: 0.005+/-0.000 χ^2/NDF: 2715080.3/38

In: 0.004+/-0.000 χ^2/NDF:3426651.3/40

Out: 0.004+/-0.000 χ^2/NDF:2904822.0/45

All: 0.004+/-0.000 χ^2/NDF: 6331960.4/86

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 147084726026.1/17

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.243+/-0.000 χ^2/NDF: 297998201172.5/20

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

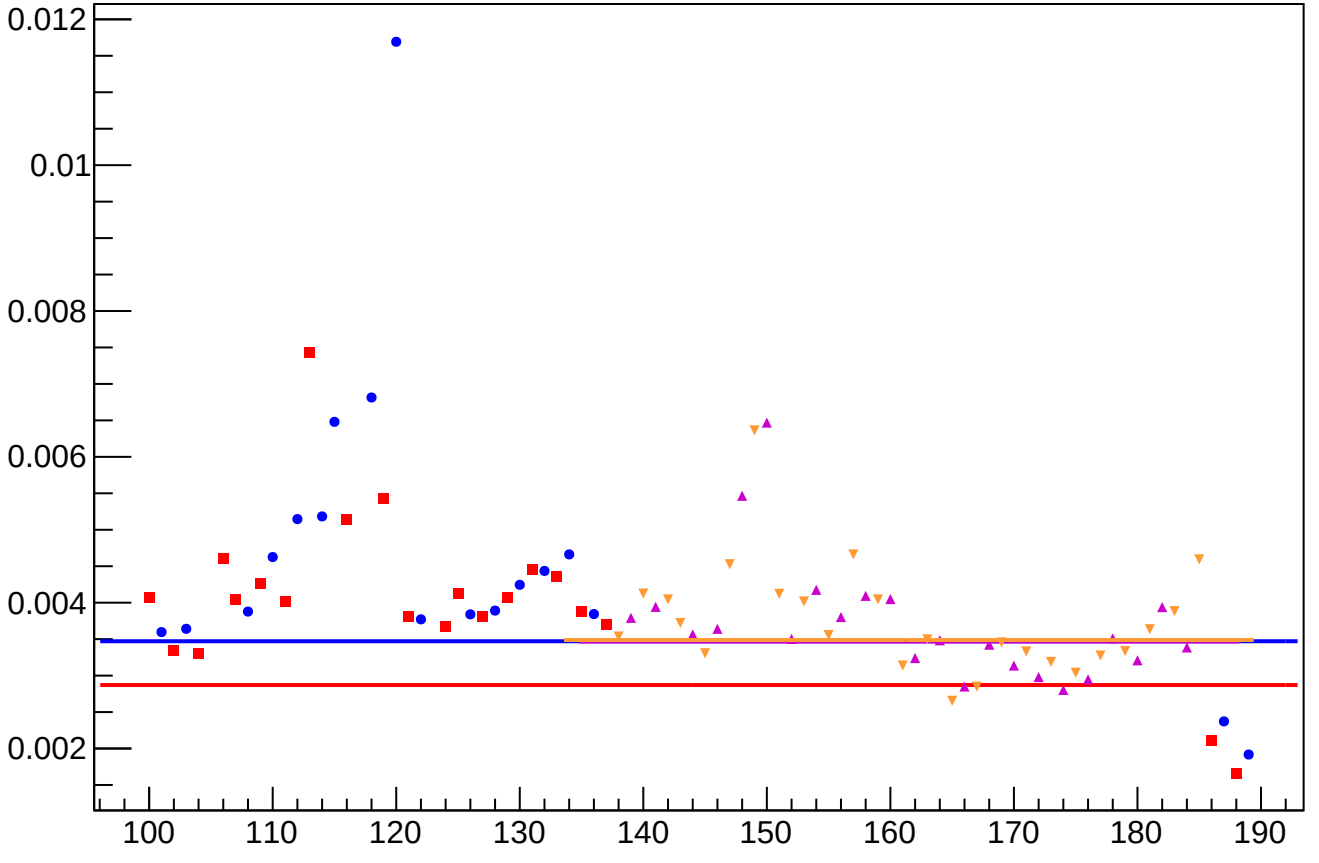
Right: -0.137+/-0.000 χ^2/NDF: 468107220045.5/38

In: 0.451+/-0.000 χ^2/NDF:318595449024.8/40

Out: 0.288+/-0.000 χ^2/NDF:708831312828.0/45

All: 0.362+/-0.000 χ^2/NDF: 1053252042081.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1456639.7/17

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2327255.4/20

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

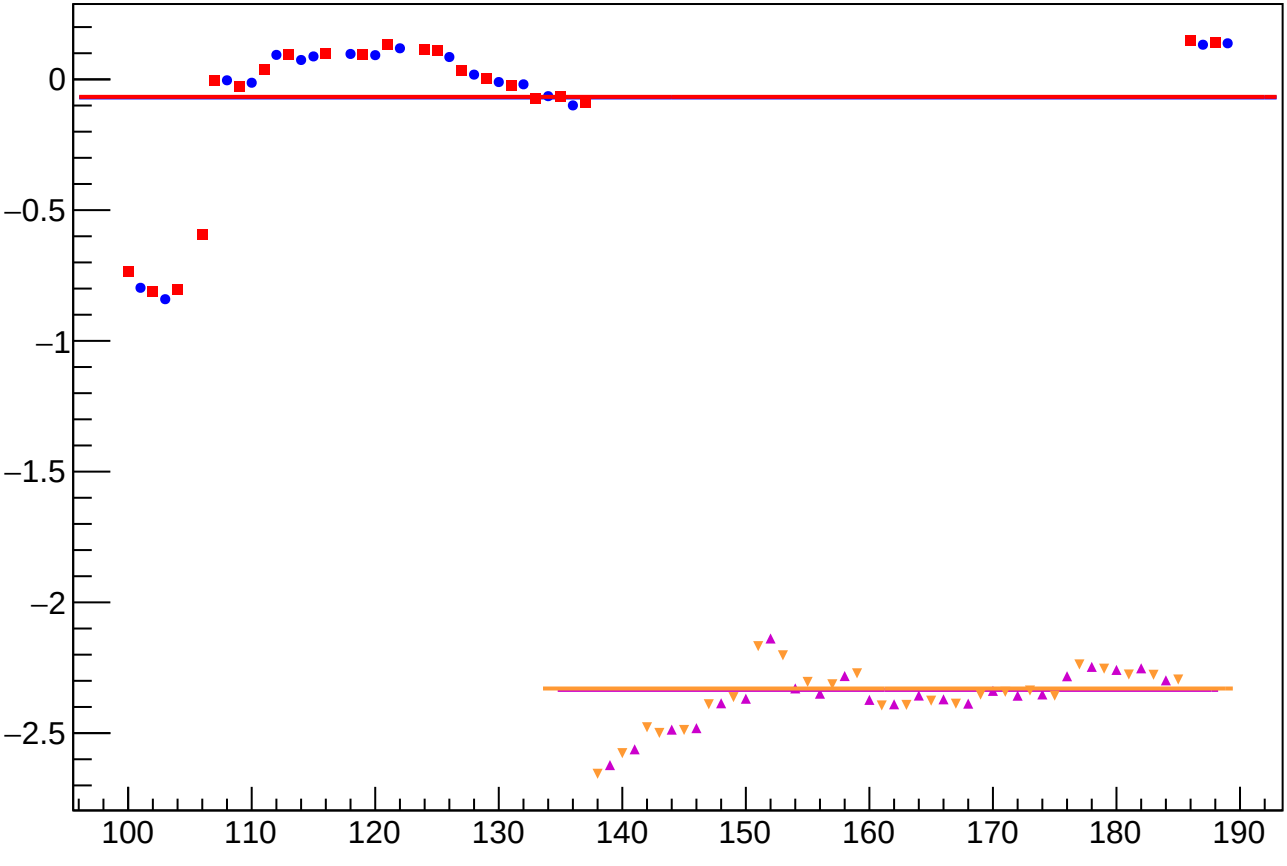
Right: 0.003+/-0.000 χ^2/NDF: 4011619.1/38

In: 0.003+/-0.000 χ^2/NDF:2350777.7/40

Out: 0.003+/-0.000 χ^2/NDF:3559311.8/45

All: 0.003+/-0.000 χ^2/NDF: 5999171.2/86

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.000 χ^2/NDF: 5841743548.1/17

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.067+/-0.000 χ^2/NDF: 6951159392.3/20

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

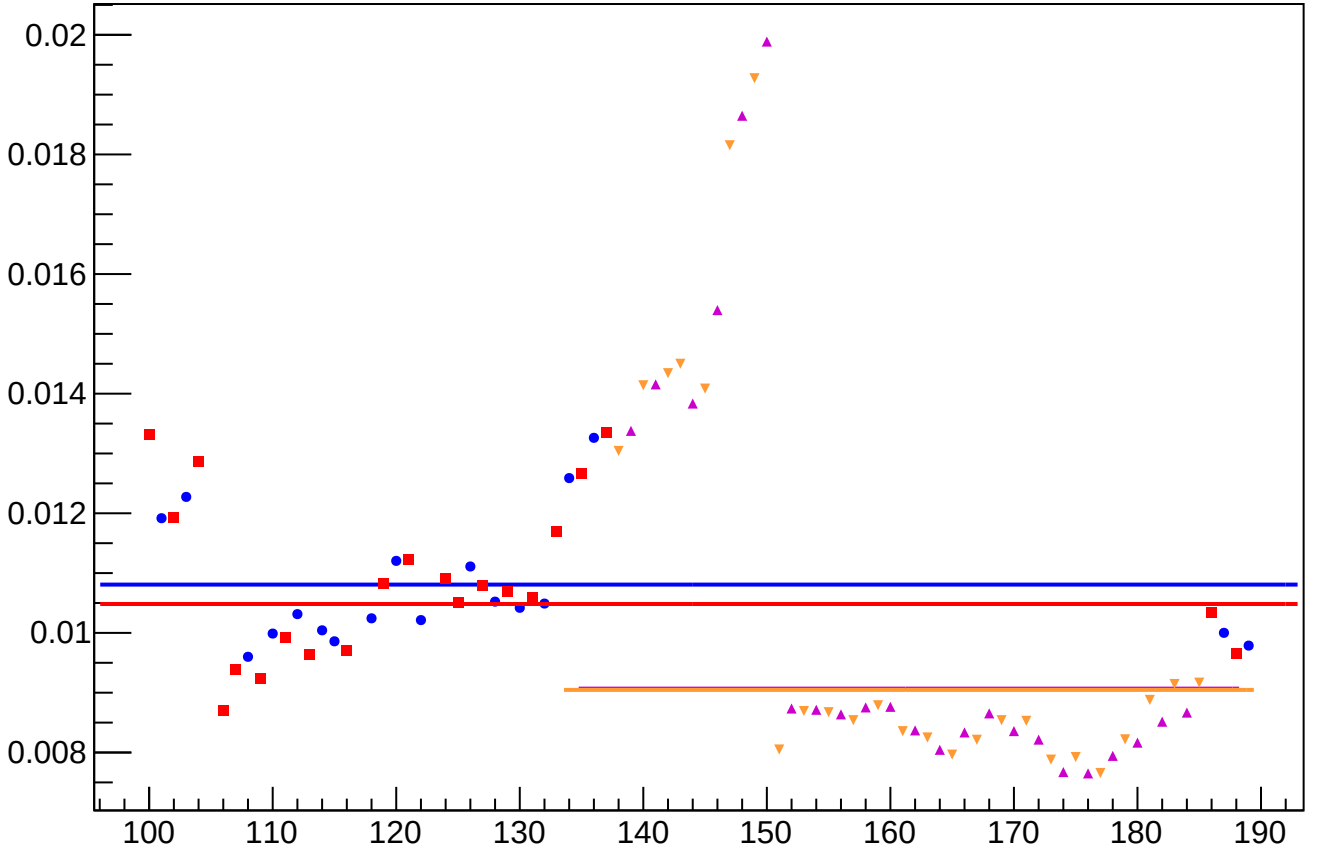
Right: -0.068+/-0.000 χ^2/NDF: 12793094413.2/38

In: -1.784+/-0.000 χ^2/NDF:267963060725.5/40

Out: -1.734+/-0.000 χ^2/NDF:308467370850.6/45

All: -1.758+/-0.000 χ^2/NDF: 576793072760.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 152137.3/17

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 207131.2/20

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

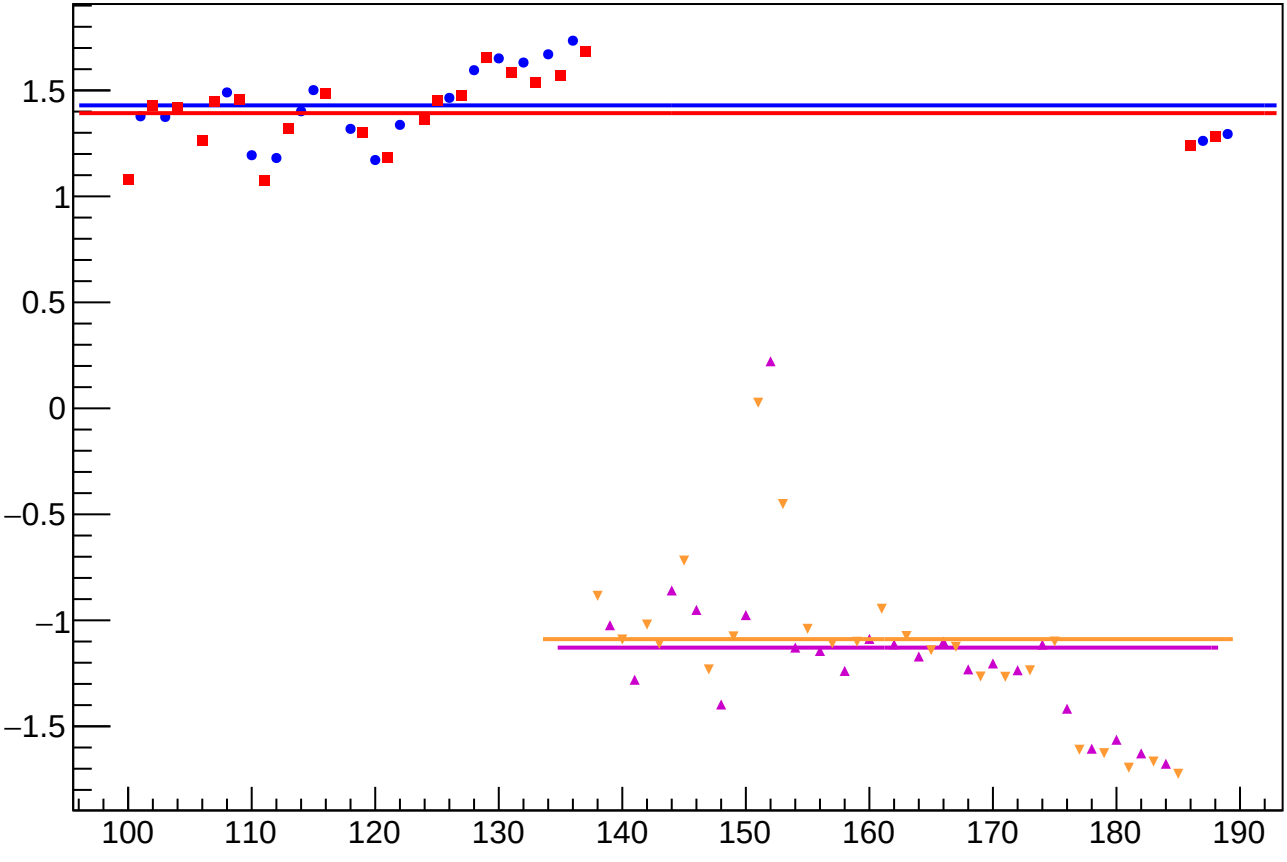
Right: 0.011+/-0.000 χ^2/NDF: 366919.1/38

In: 0.009+/-0.000 χ^2/NDF:2593445.6/40

Out: 0.009+/-0.000 χ^2/NDF:2497289.2/45

All: 0.009+/-0.000 χ^2/NDF: 5091986.6/86

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.429+/-0.000 χ^2/NDF: 4019374626.4/17

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.393+/-0.000 χ^2/NDF: 3270646172.0/20

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

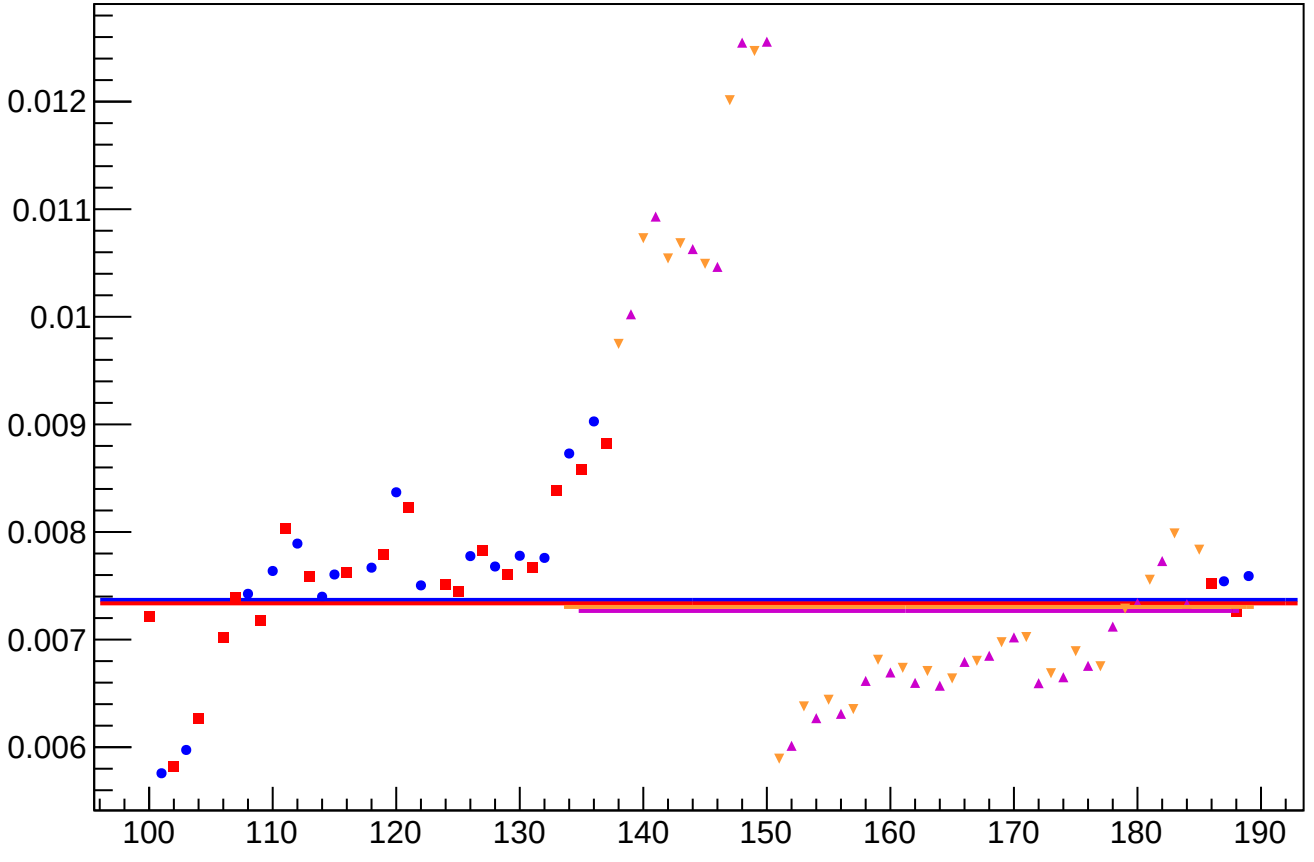
Right: 1.410+/-0.000 χ^2/NDF: 7392205996.7/38

In: -0.357+/-0.000 χ^2/NDF:716535162673.9/40

Out: -0.297+/-0.000 χ^2/NDF:744745277437.7/45

All: -0.326+/-0.000 χ^2/NDF: 1462138133460

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 272044.0/17

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 196085.2/20

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

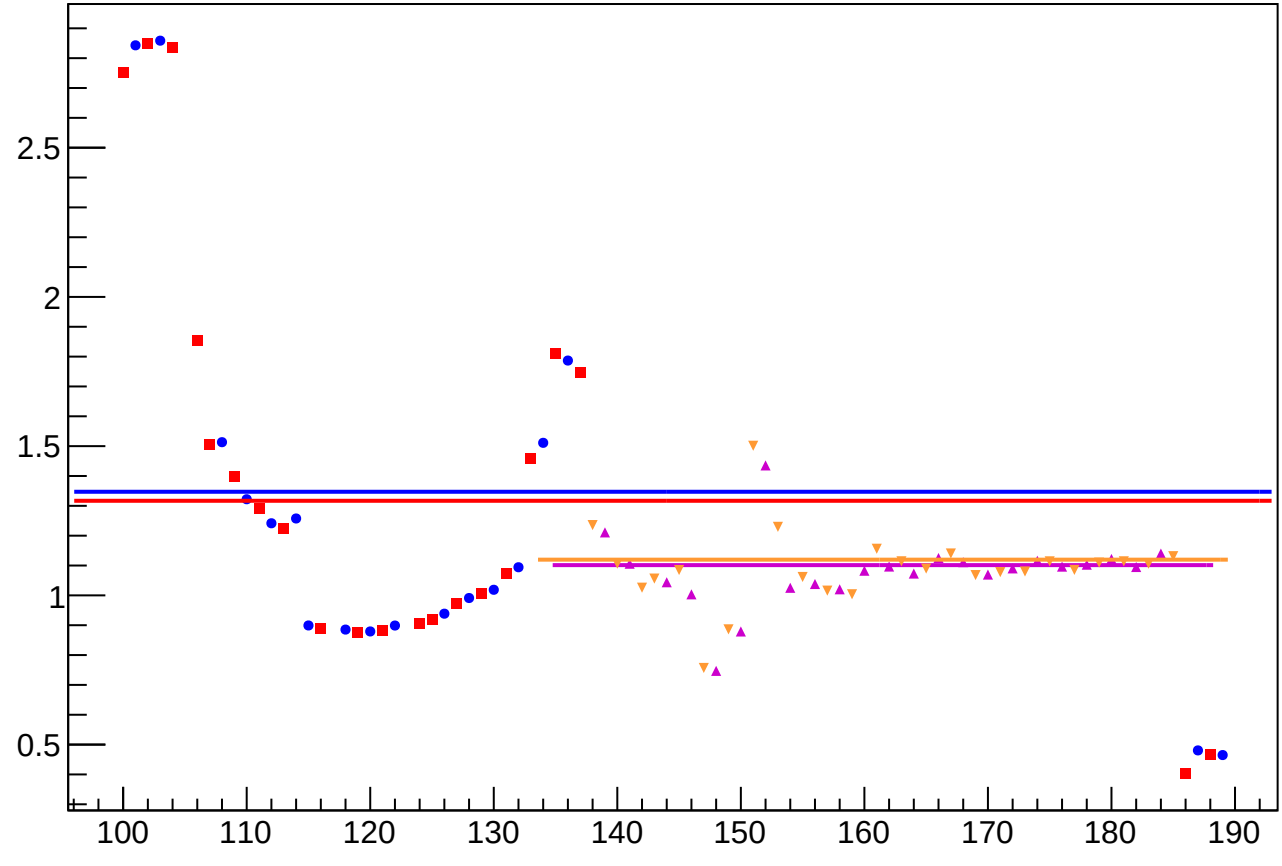
Right: 0.007+/-0.000 χ^2/NDF: 468286.0/38

In: 0.007+/-0.000 χ^2/NDF:1834237.6/40

Out: 0.007+/-0.000 χ^2/NDF:1700432.6/45

All: 0.007+/-0.000 χ^2/NDF: 3534810.3/86

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.347+/-0.000 χ^2/NDF: 64327327133.0/17

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.317+/-0.000 χ^2/NDF: 67035970152.4/20

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

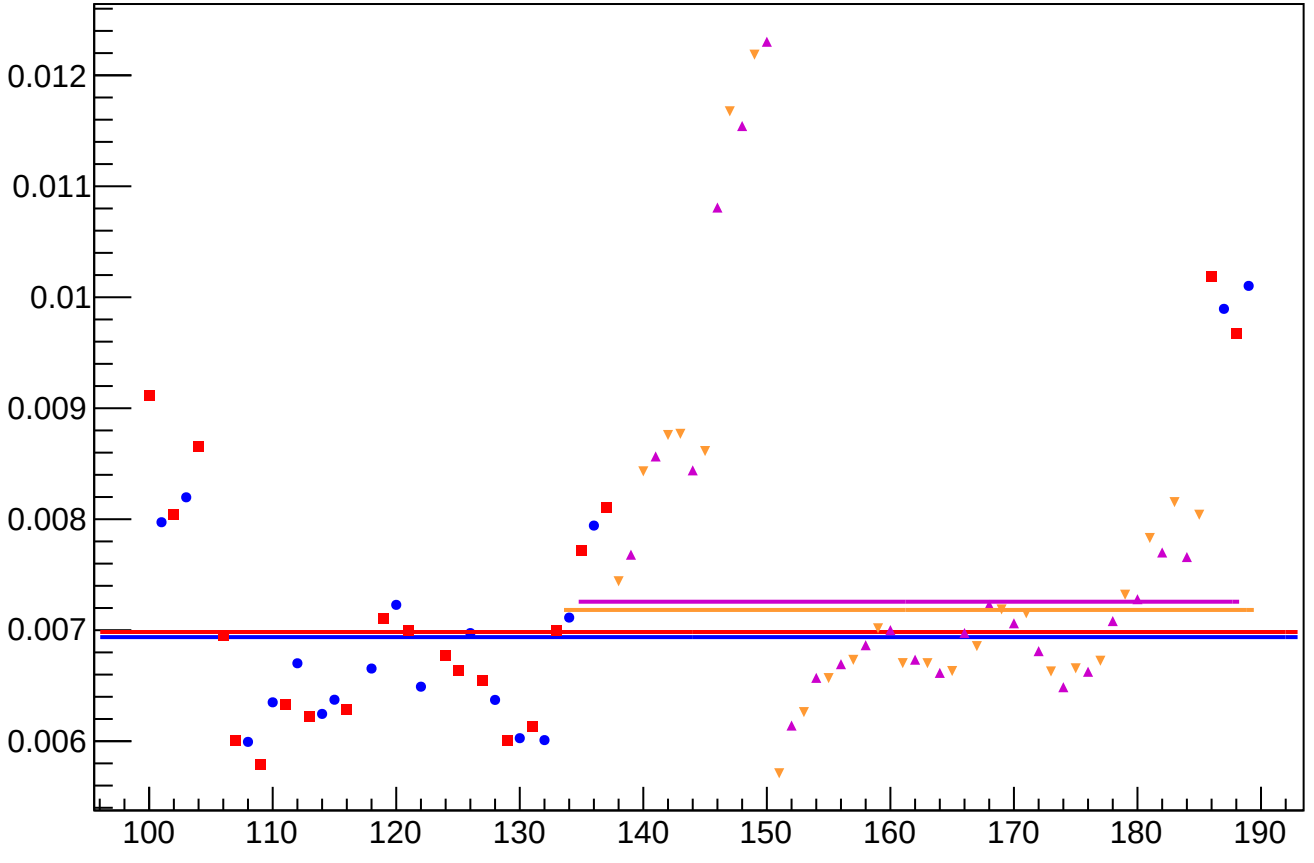
Right: 1.331+/-0.000 χ^2/NDF: 131440137105.7/38

In: 1.182+/-0.000 χ^2/NDF:75081578207.6/40

Out: 1.185+/-0.000 χ^2/NDF:77147331433.1/45

All: 1.183+/-0.000 χ^2/NDF: 152231679745.2

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 307892.2/17

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 447710.1/20

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

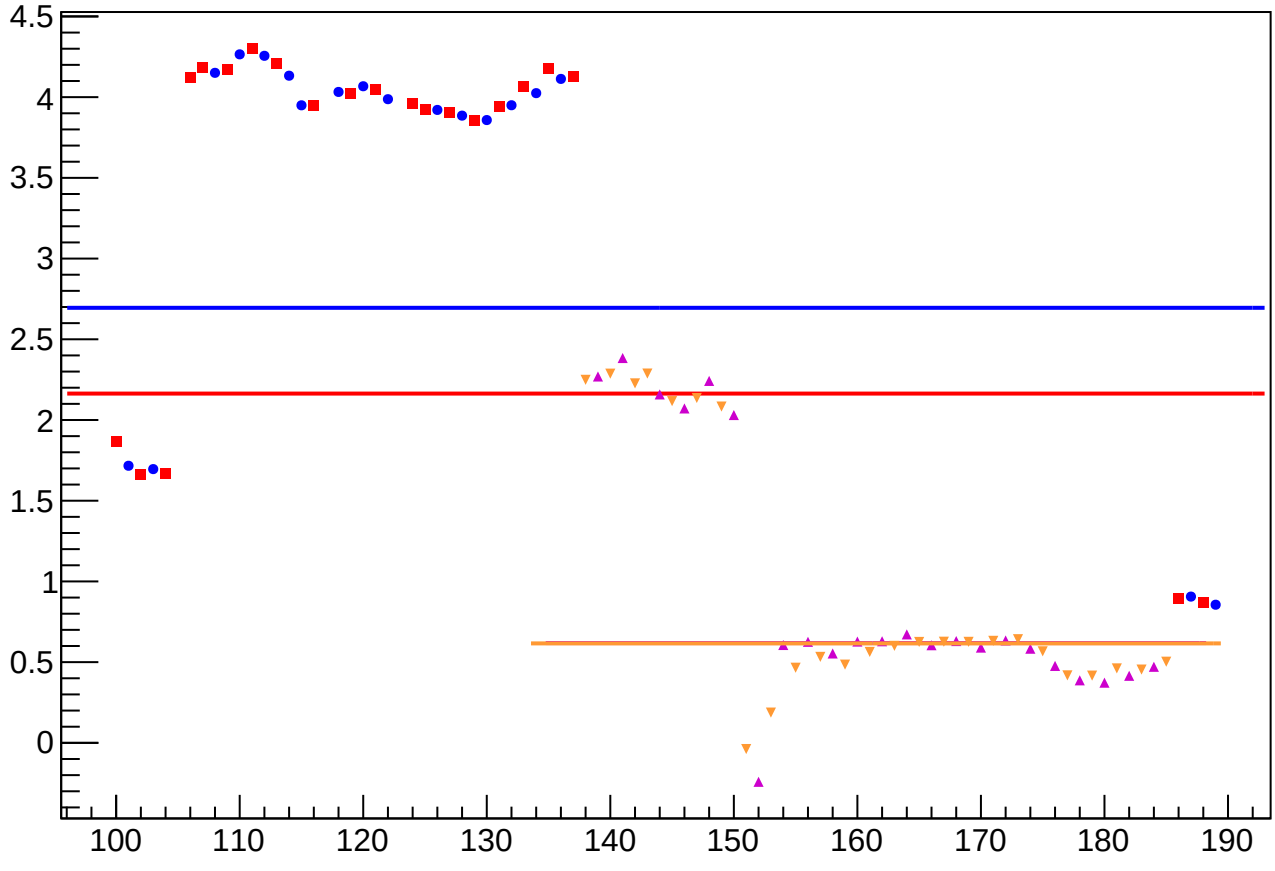
Right: 0.007+/-0.000 χ^2/NDF: 755960.2/38

In: 0.007+/-0.000 χ^2/NDF:1246670.8/40

Out: 0.007+/-0.000 χ^2/NDF:1350849.8/45

All: 0.007+/-0.000 χ^2/NDF: 2598176.5/86

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 2.695+/-0.000 χ^2/NDF: 765115753256.6/17

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 2.164+/-0.000 χ^2/NDF: 1185788269877.9/20

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

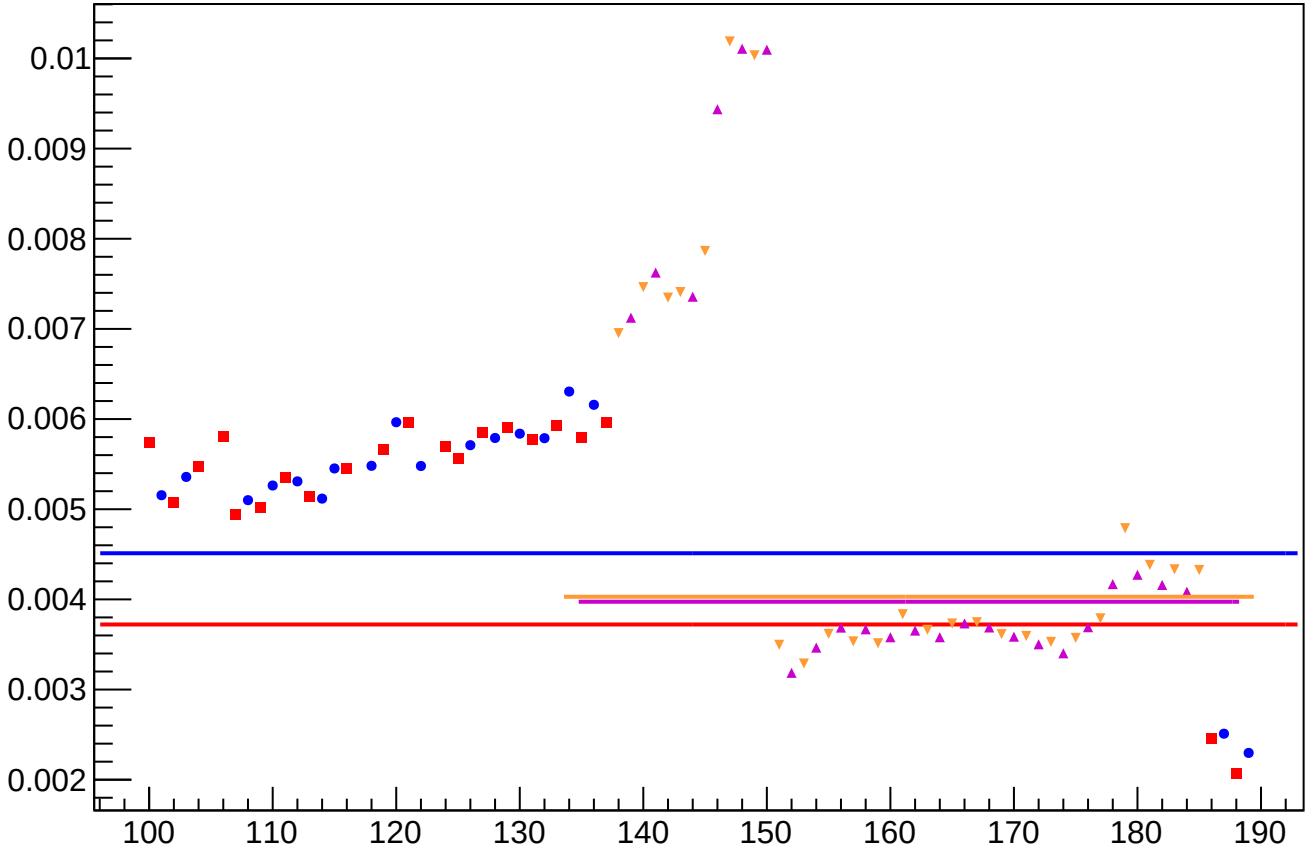
Right: 2.376+/-0.000 χ^2/NDF: 2009085496362.5/38

In: 1.139+/-0.000 χ^2/NDF:2130171639679.4/40

Out: 1.123+/-0.000 χ^2/NDF:2266626275620.2/45

All: 1.130+/-0.000 χ^2/NDF: 4396985546898.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1642895.1/17

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2955417.4/20

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

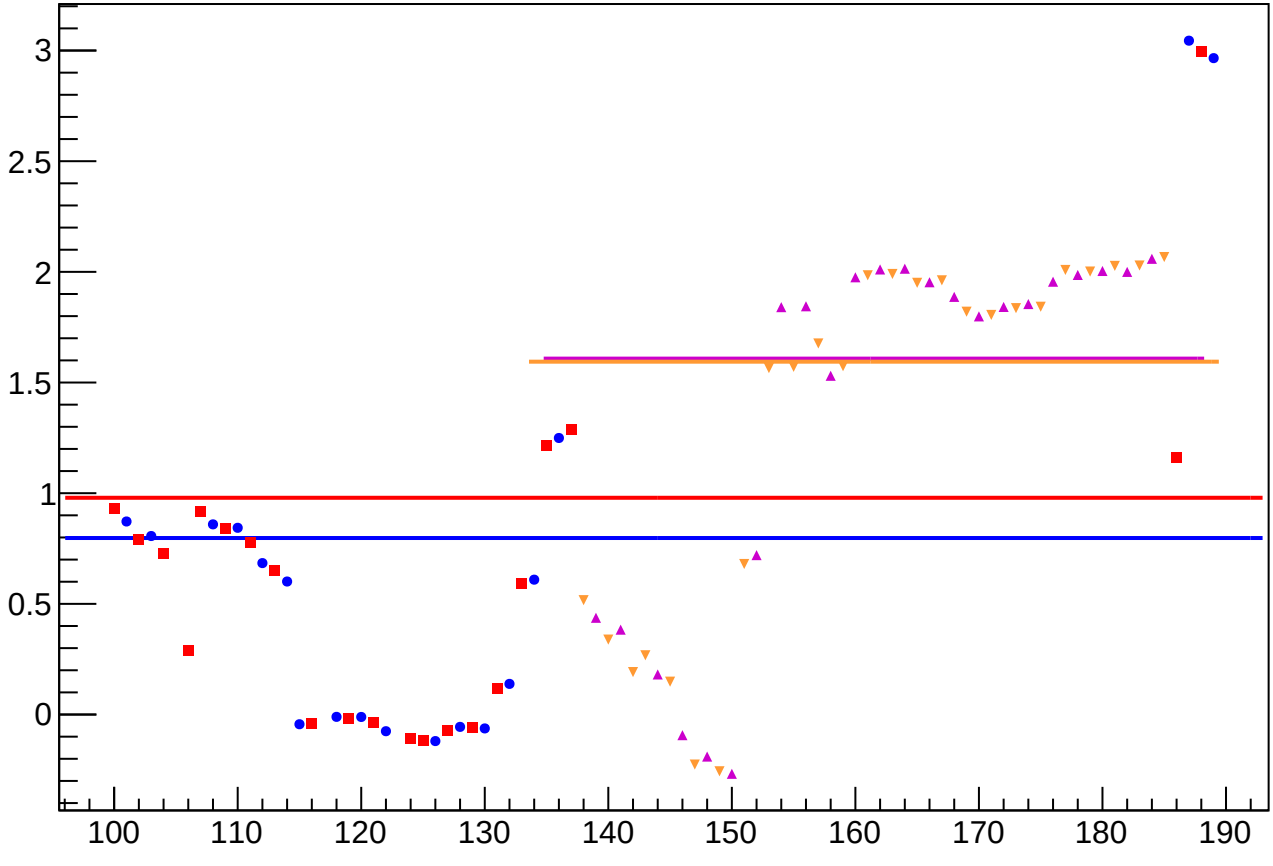
Right: 0.004+/-0.000 χ^2/NDF: 4855664.4/38

In: 0.004+/-0.000 χ^2/NDF:4913811.5/40

Out: 0.004+/-0.000 χ^2/NDF:5985934.9/45

All: 0.004+/-0.000 χ^2/NDF: 10947362.3/86

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.797+/-0.000 χ^2/NDF: 42349980259.5/17

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 0.979+/-0.000 χ^2/NDF: 55653617184.5/20

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

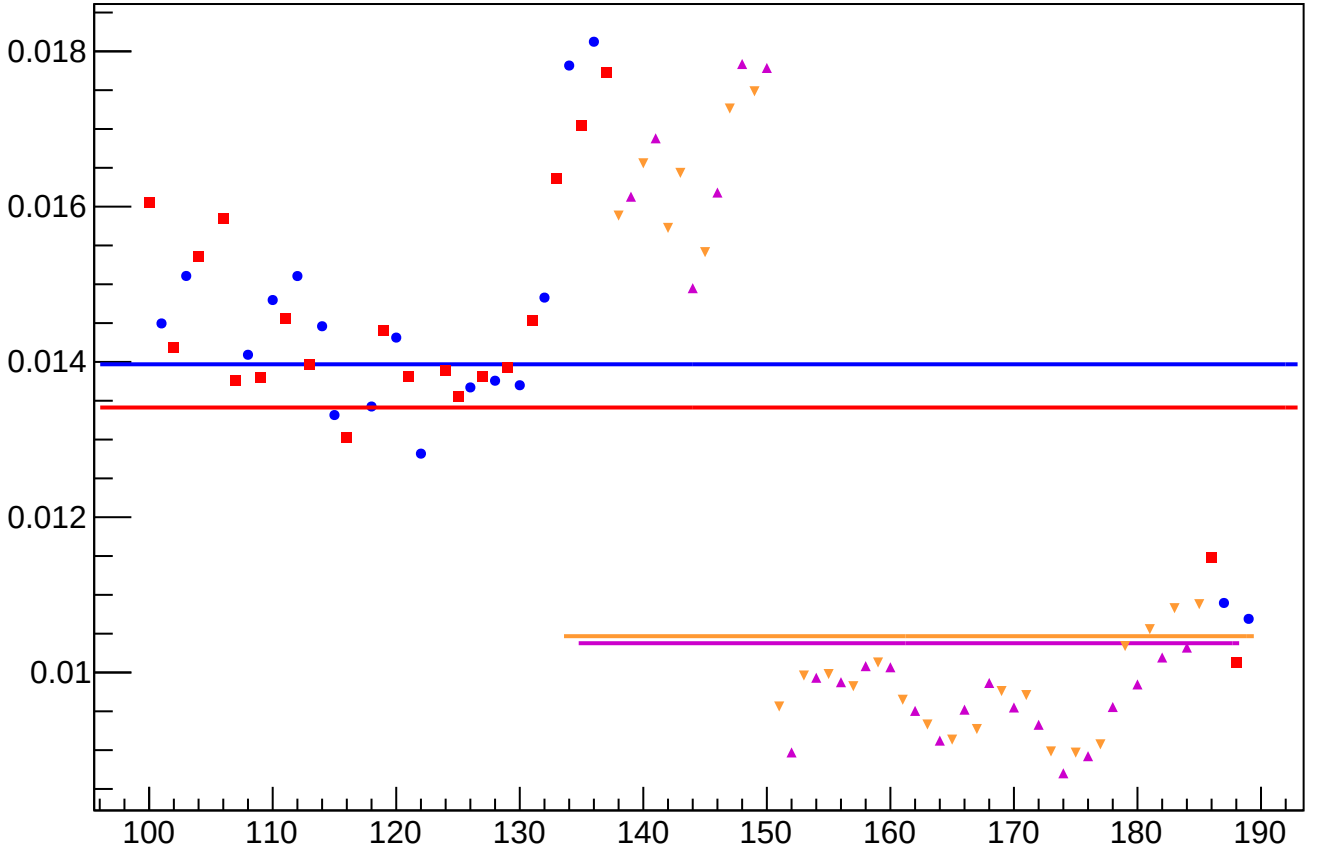
Right: 0.896+/-0.000 χ^2/NDF: 98715762086.0/38

In: 1.448+/-0.000 χ^2/NDF:129630431462.3/40

Out: 1.459+/-0.000 χ^2/NDF:132199177178.8/45

All: 1.453+/-0.000 χ^2/NDF: 261841944661.2

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 285125.3/17

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 378463.7/20

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

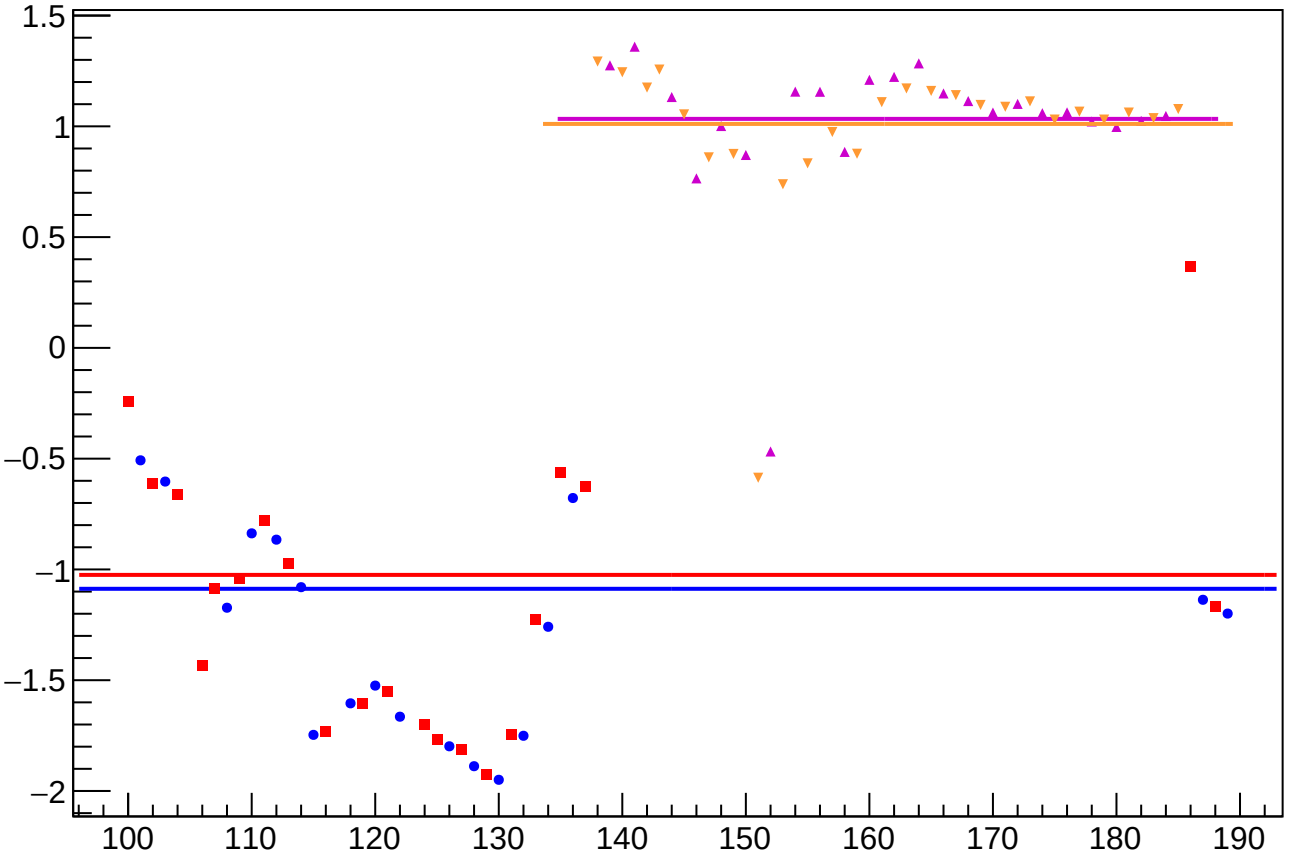
Right: 0.014+/-0.000 χ^2/NDF: 676937.2/38

In: 0.011+/-0.000 χ^2/NDF:2815886.8/40

Out: 0.011+/-0.000 χ^2/NDF:2678120.4/45

All: 0.011+/-0.000 χ^2/NDF: 5494186.4/86

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.087+/-0.000 χ^2/NDF: 59934832789.7/17

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.025+/-0.000 χ^2/NDF: 66650598322.8/20

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

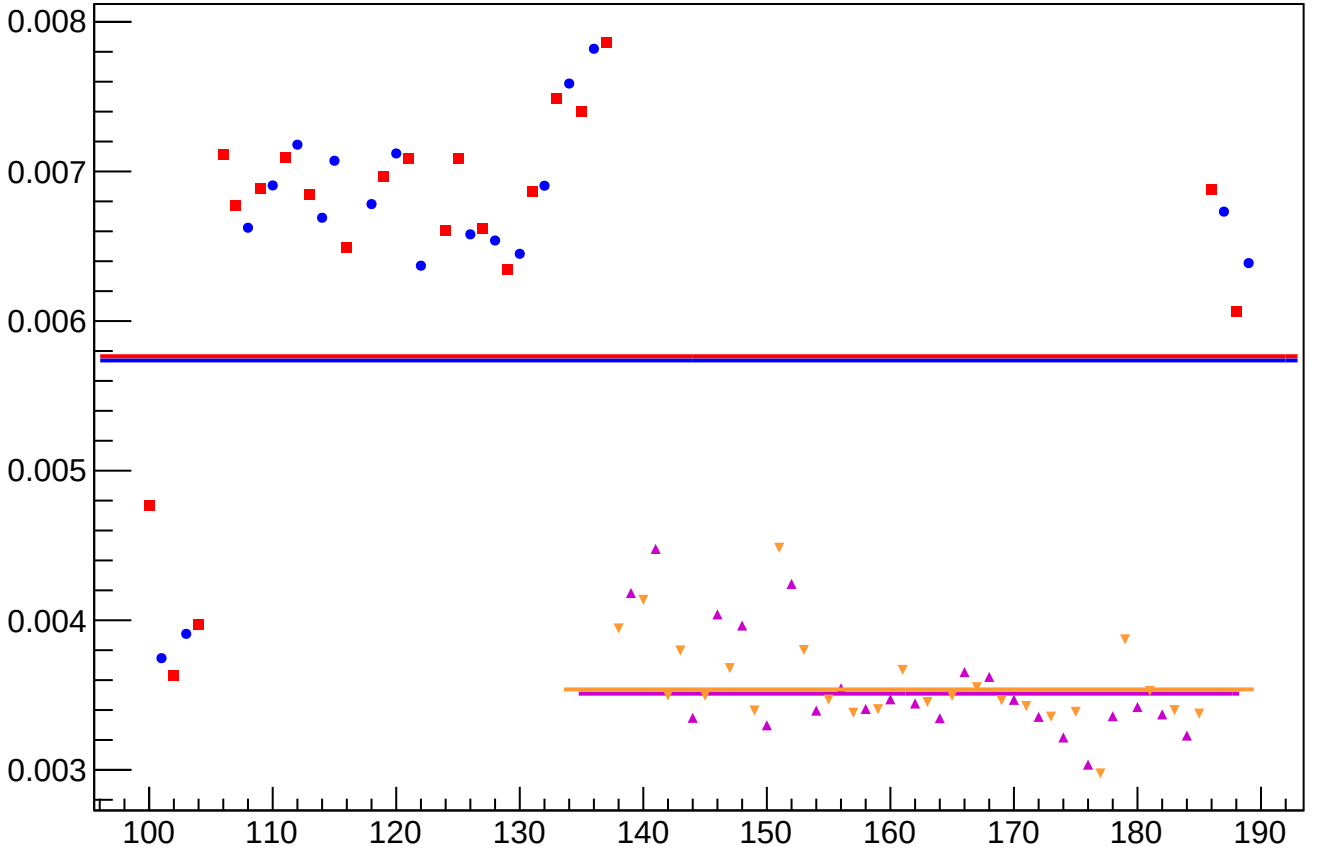
Right: -1.055+/-0.000 χ^2/NDF: 127025756128.4/38

In: 0.743+/-0.000 χ^2/NDF:1016044583709.3/40

Out: 0.720+/-0.000 χ^2/NDF:1008660985098.9/45

All: 0.731+/-0.000 χ^2/NDF: 2025097289804.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 964597.9/17

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1008383.2/20

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

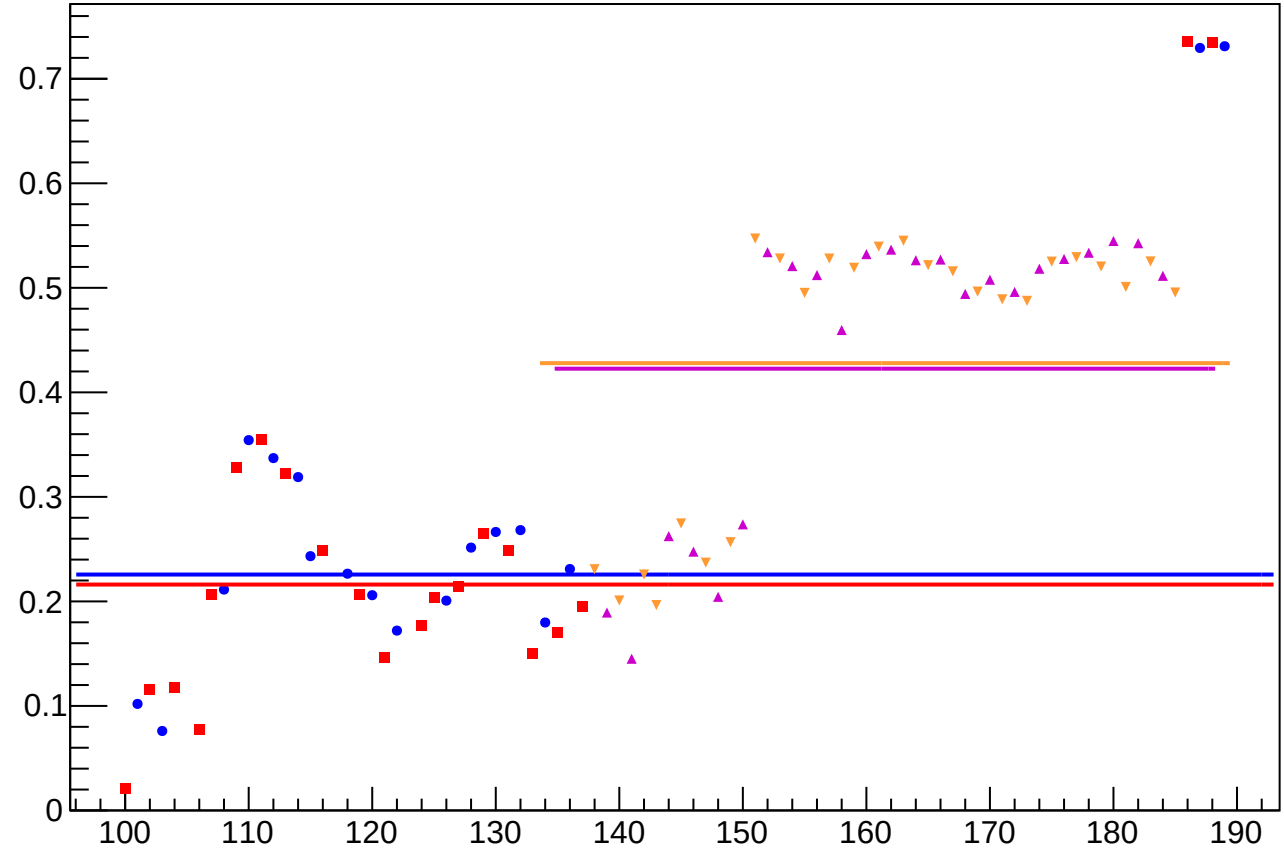
Right: 0.006+/-0.000 χ^2/NDF: 1973157.9/38

In: 0.004+/-0.000 χ^2/NDF:3081546.7/40

Out: 0.004+/-0.000 χ^2/NDF:3213128.7/45

All: 0.004+/-0.000 χ^2/NDF: 6297292.7/86

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.226+/-0.000 χ^2/NDF: 27810602151.4/17

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.216+/-0.000 χ^2/NDF: 45625223763.8/20

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

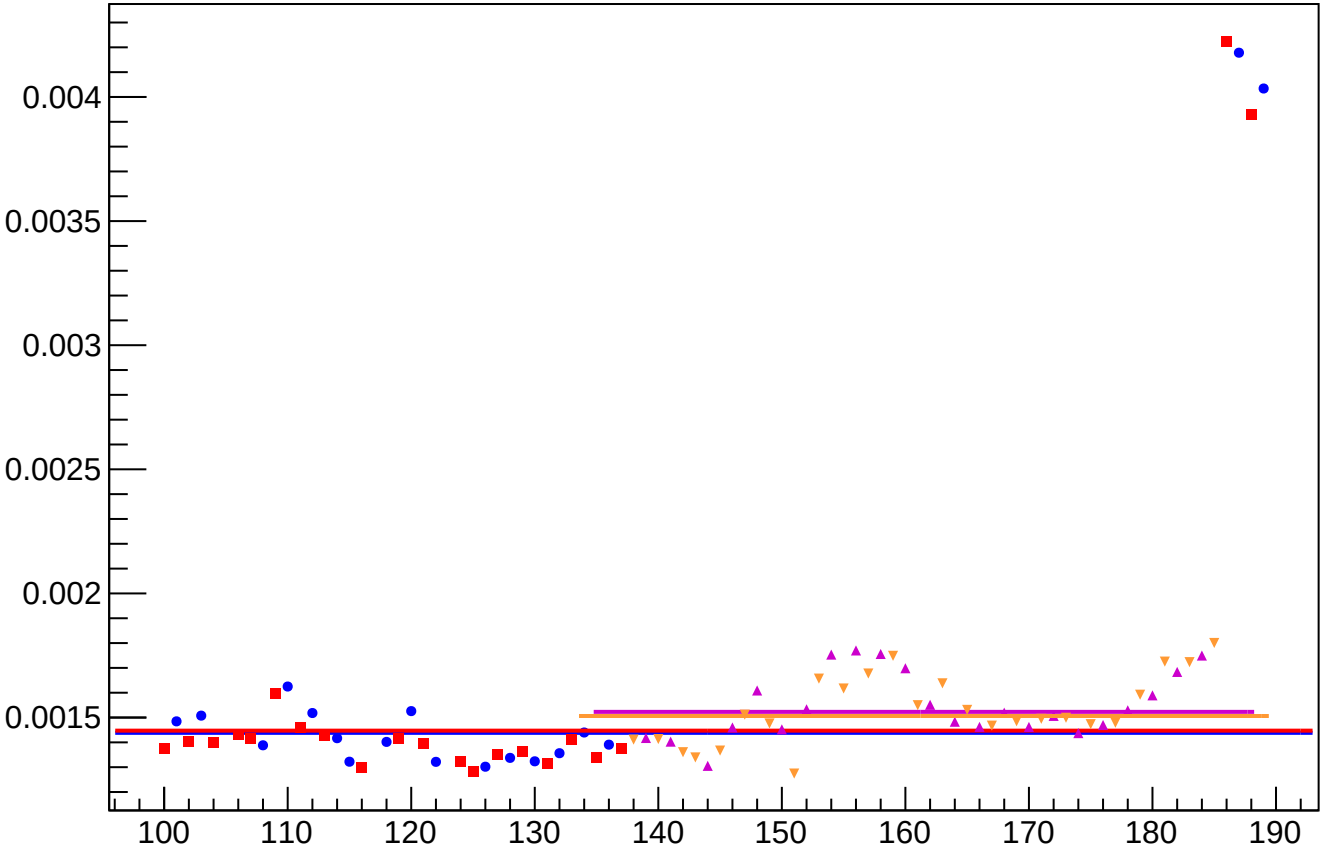
Right: 0.221+/-0.000 χ^2/NDF: 73605940836.8/38

In: 0.361+/-0.000 χ^2/NDF:280389562762.0/40

Out: 0.361+/-0.000 χ^2/NDF:318483620104.1/45

All: 0.361+/-0.000 χ^2/NDF: 598873577947.5

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 650158.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 1173426.1/20

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

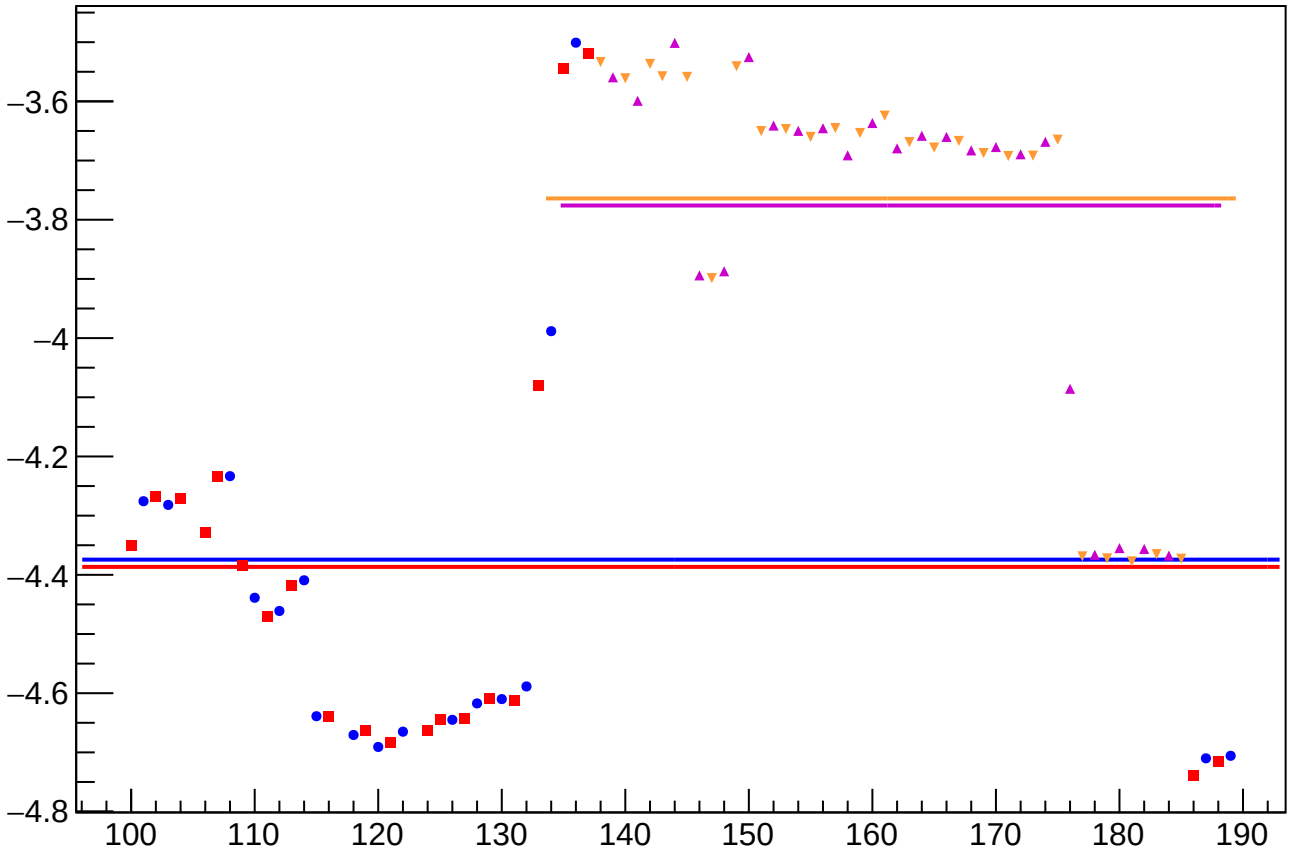
Right: 0.001+/-0.000 χ^2/NDF: 1823873.8/38

In: 0.001+/-0.000 χ^2/NDF:919615.8/40

Out: 0.001+/-0.000 χ^2/NDF:1470790.7/45

All: 0.001+/-0.000 χ^2/NDF: 2391308.0/86

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.374+/-0.000 χ^2/NDF: 359978230356.3/17

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.387+/-0.000 χ^2/NDF: 312245301242.8/20

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

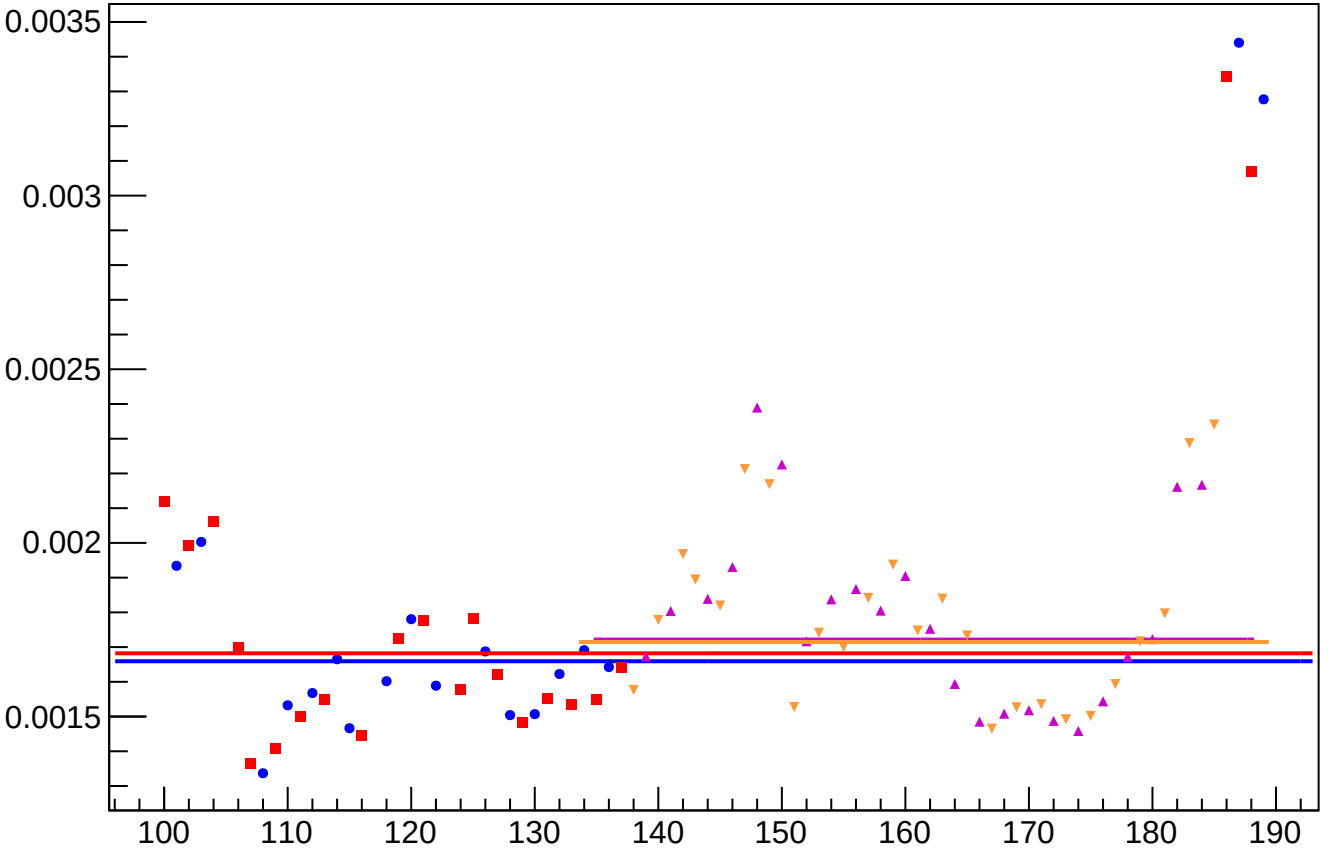
Right: -4.381+/-0.000 χ^2/NDF: 672432609955.9/38

In: -3.962+/-0.000 χ^2/NDF:1423451810289.1/40

Out: -3.959+/-0.000 χ^2/NDF:1562817090788.3/45

All: -3.961+/-0.000 χ^2/NDF: 2986306274896

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 486803.5/17

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 799432.4/20

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

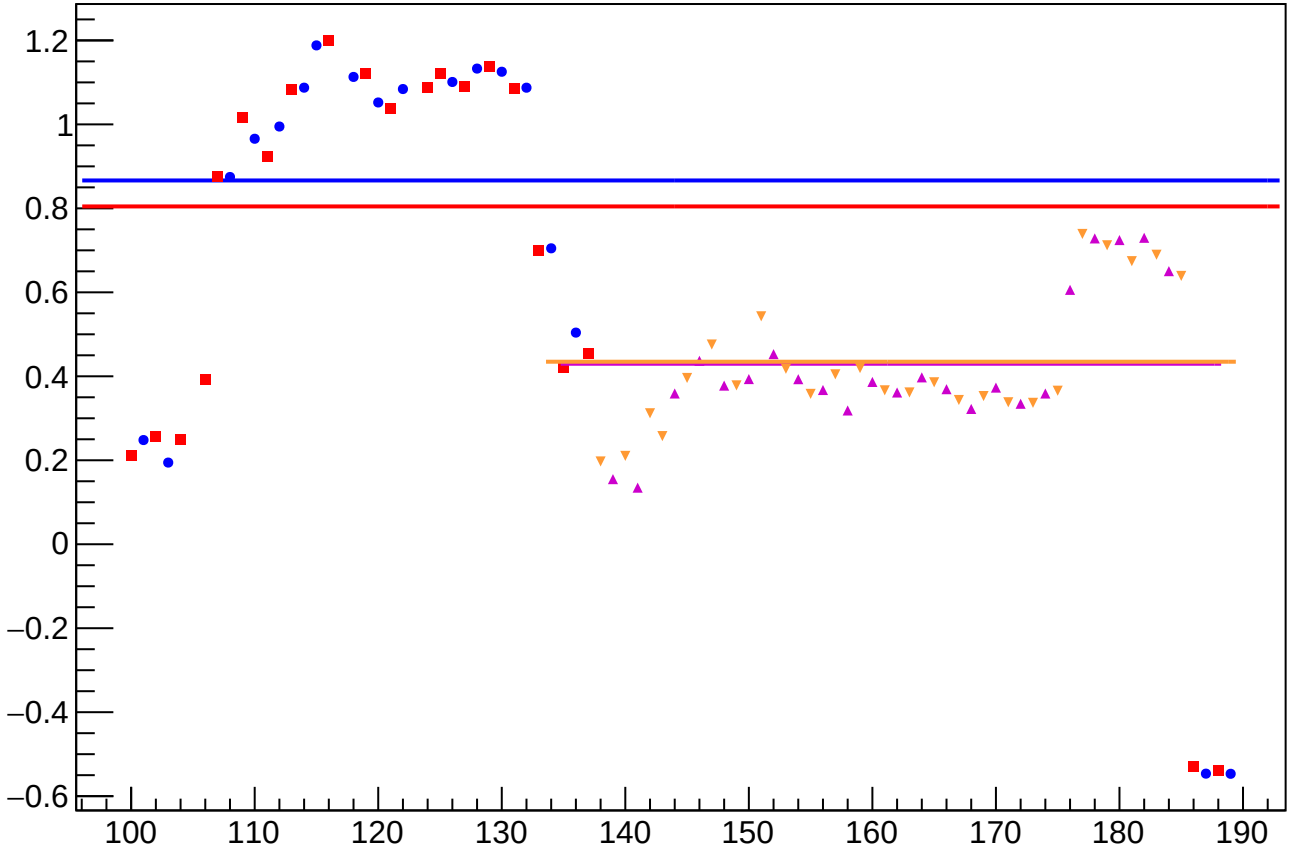
Right: 0.002+/-0.000 χ^2/NDF: 1287690.4/38

In: 0.002+/-0.000 χ^2/NDF:1083065.9/40

Out: 0.002+/-0.000 χ^2/NDF:1365951.6/45

All: 0.002+/-0.000 χ^2/NDF: 2449060.3/86

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.866+/-0.000 χ^2/NDF: 28379091495.1/17

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.805+/-0.000 χ^2/NDF: 42331874604.4/20

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

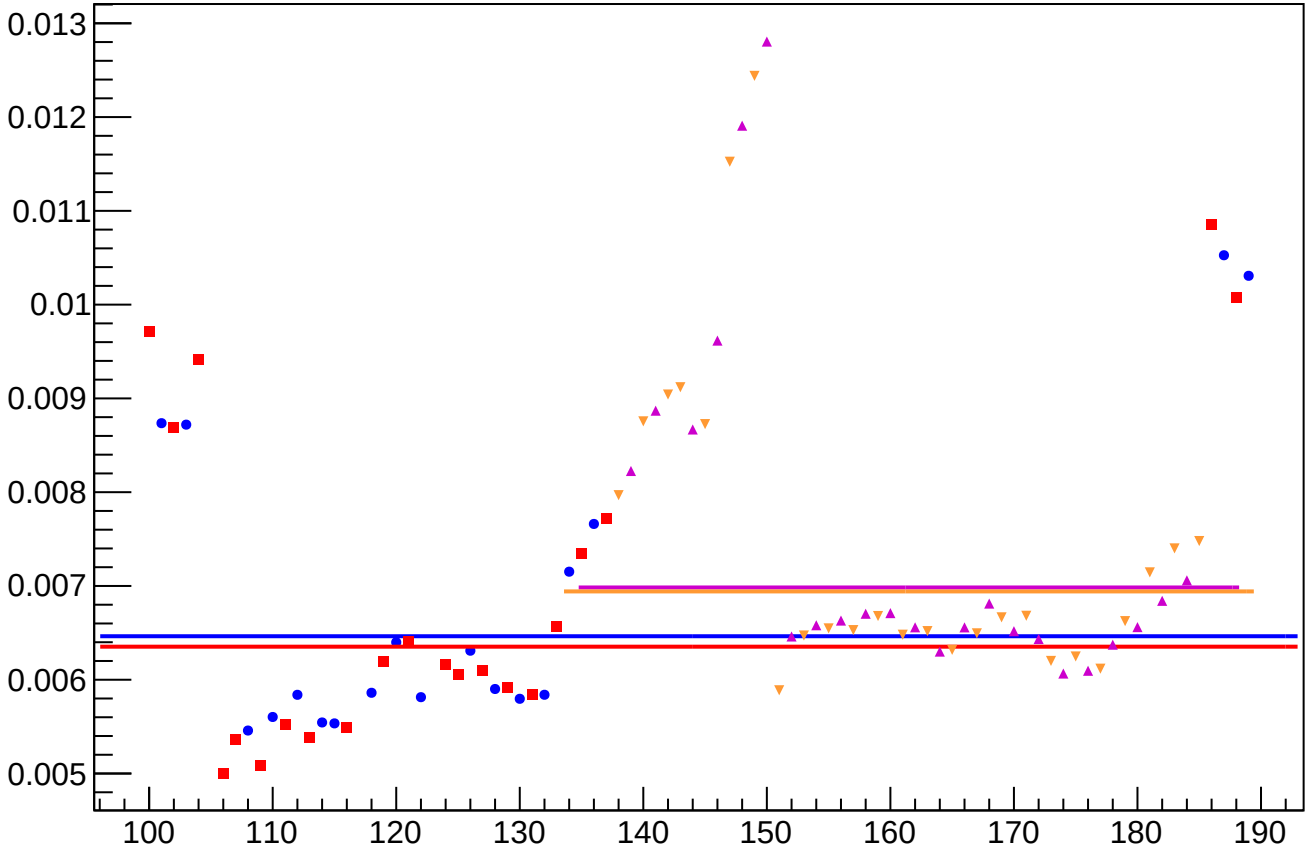
Right: 0.833+/-0.000 χ^2/NDF: 71083097031.5/38

In: 0.576+/-0.000 χ^2/NDF:60541494757.7/40

Out: 0.564+/-0.000 χ^2/NDF:69383163817.8/45

All: 0.570+/-0.000 χ^2/NDF: 129966762770.4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 546143.9/17

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 863738.3/20

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

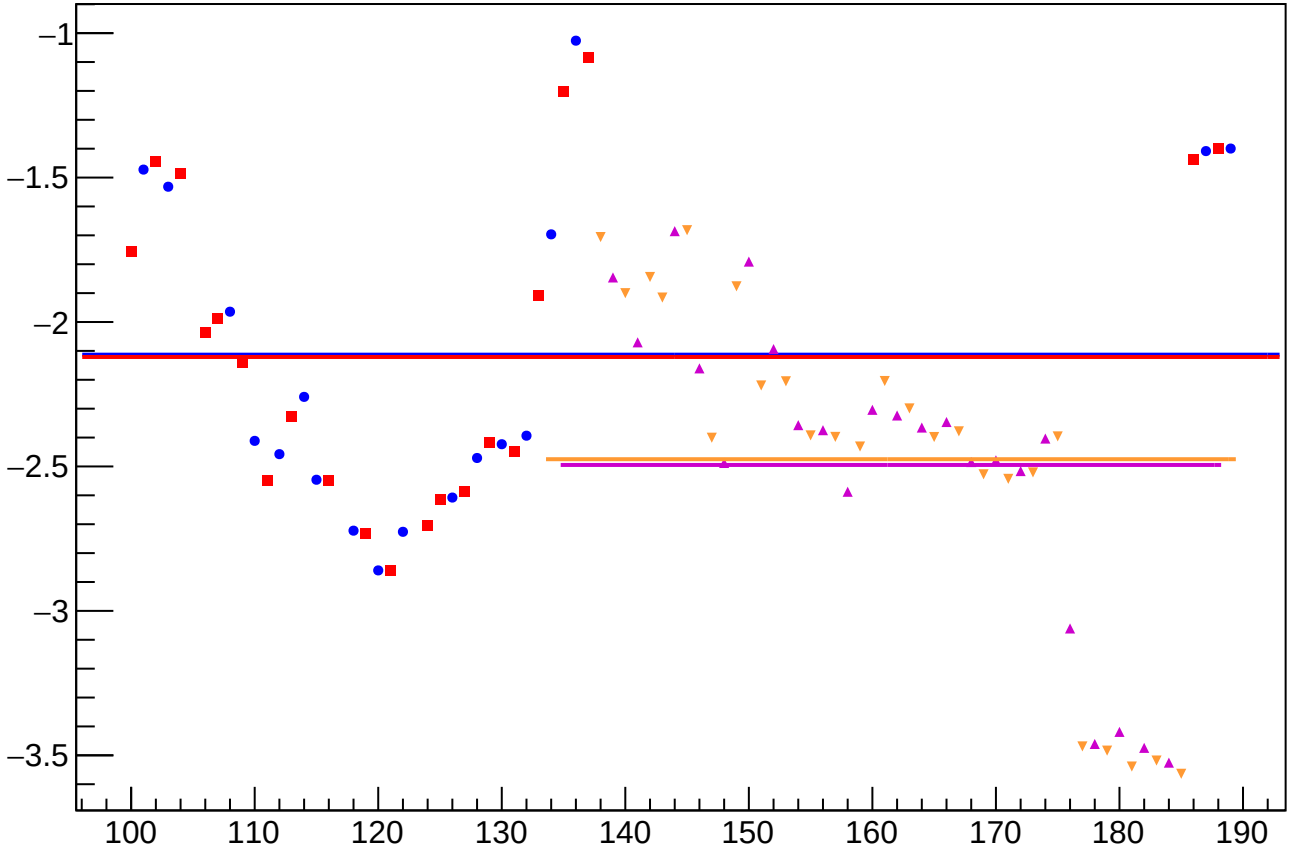
Right: 0.006+/-0.000 χ^2/NDF: 1412293.7/38

In: 0.007+/-0.000 χ^2/NDF:1748268.3/40

Out: 0.007+/-0.000 χ^2/NDF:2048747.3/45

All: 0.007+/-0.000 χ^2/NDF: 3800113.6/86

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.113+/-0.000 χ^2/NDF: 69490233276.9/17

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.121+/-0.000 χ^2/NDF: 65533529933.0/20

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

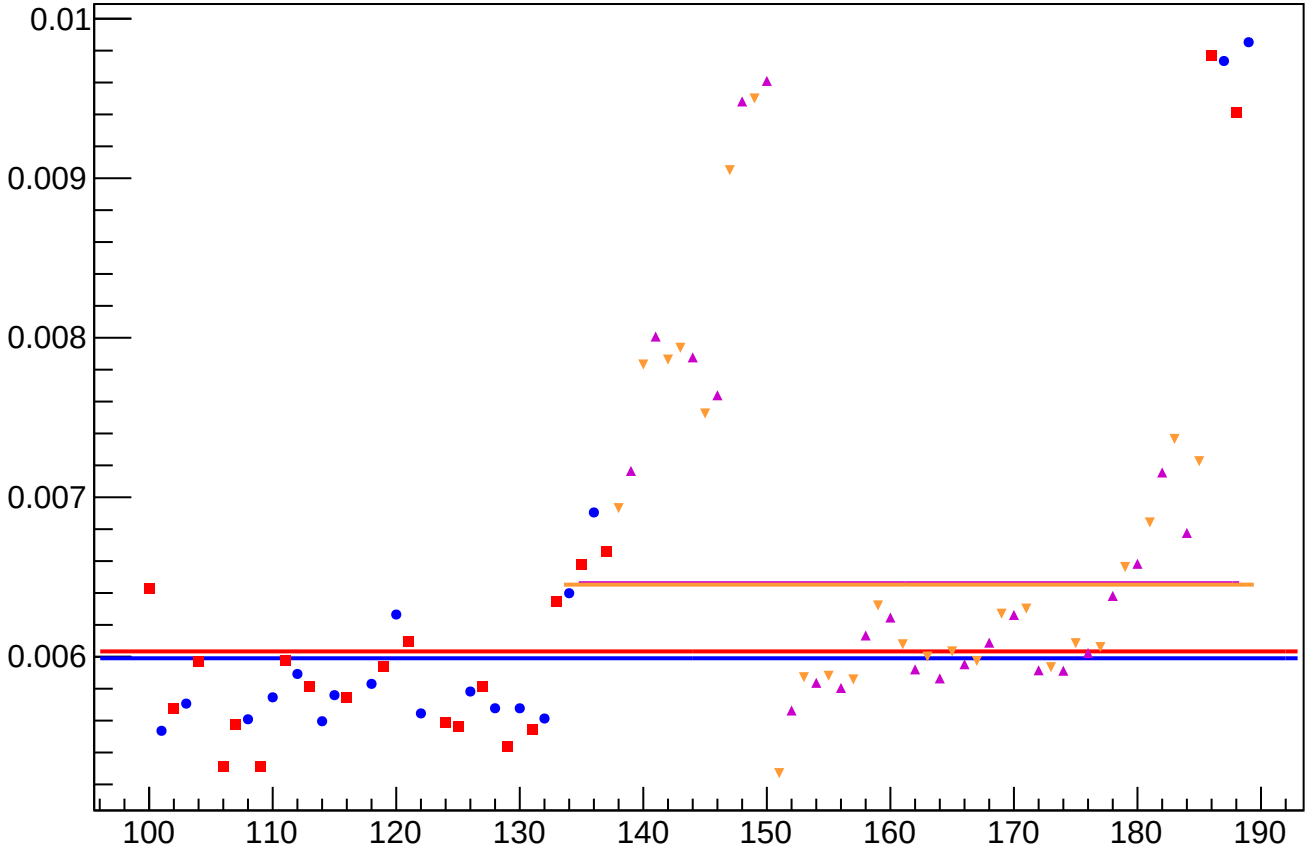
Right: -2.117+/-0.000 χ^2/NDF: 135030878370.0/38

In: -2.367+/-0.000 χ^2/NDF:187261105939.8/40

Out: -2.354+/-0.000 χ^2/NDF:207999255172.1/45

All: -2.360+/-0.000 χ^2/NDF: 395316545502.2

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 283788.3/17

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 447166.2/20

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

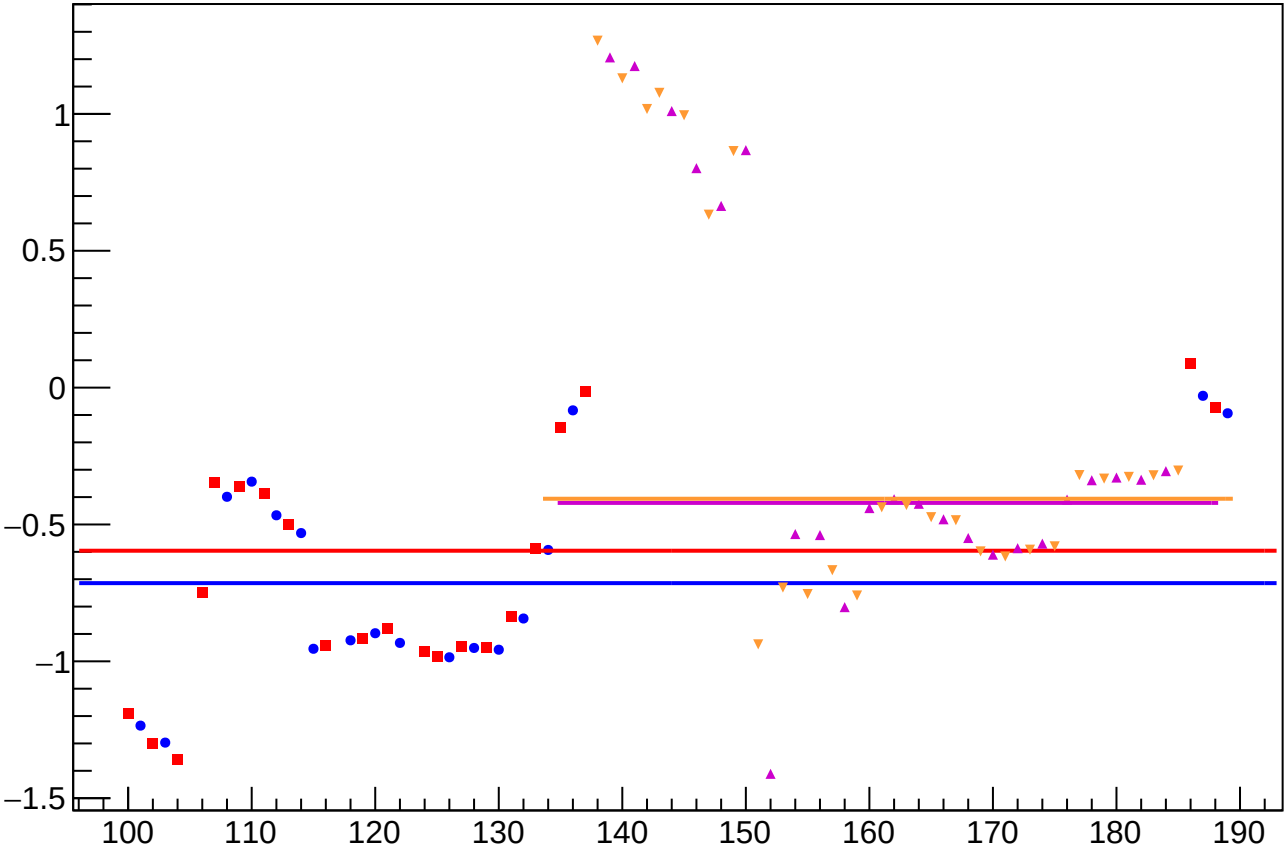
Right: 0.006+/-0.000 χ^2/NDF: 731374.6/38

In: 0.006+/-0.000 χ^2/NDF:1068279.9/40

Out: 0.006+/-0.000 χ^2/NDF:1214989.5/45

All: 0.006+/-0.000 χ^2/NDF: 2283290.4/86

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.714+/-0.000 χ^2/NDF: 12355433483.1/17

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.596+/-0.000 χ^2/NDF: 18606613194.5/20

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

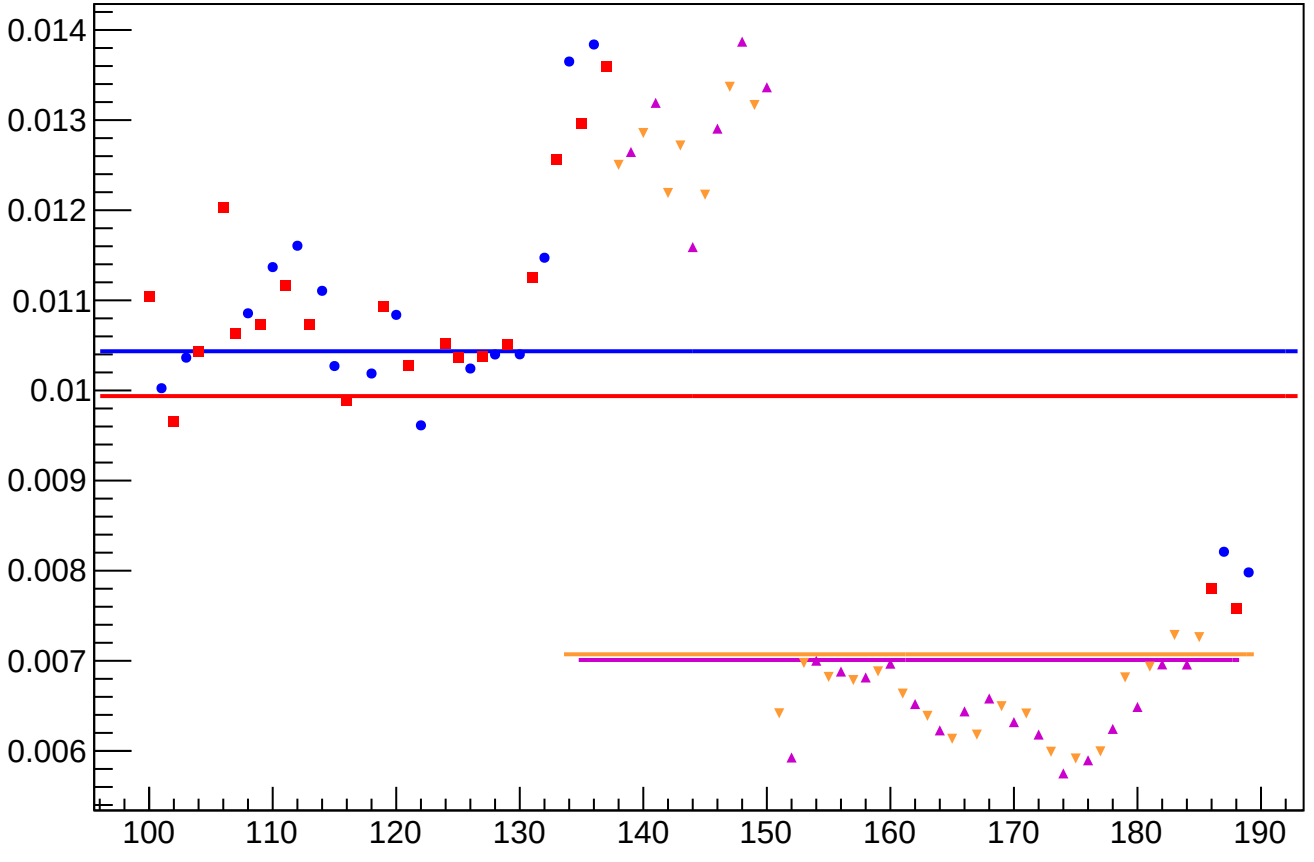
Right: -0.649+/-0.000 χ^2/NDF: 31502652045.8/38

In: -0.471+/-0.000 χ^2/NDF:107613535961.4/40

Out: -0.443+/-0.000 χ^2/NDF:102720732879.8/45

All: -0.457+/-0.000 χ^2/NDF: 210508256219.3

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 306168.4/17

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.010+/-0.000 χ^2/NDF: 435294.0/20

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

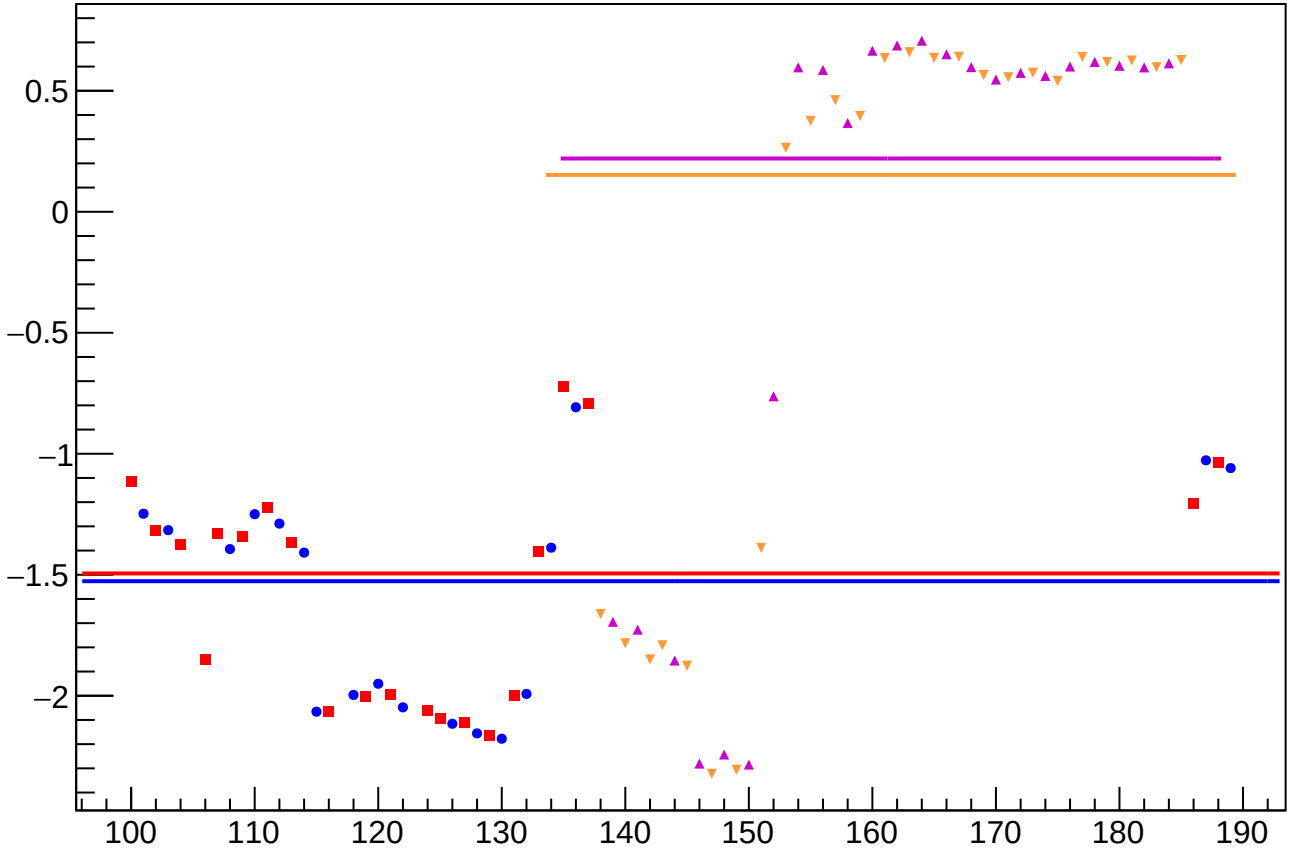
Right: 0.010+/-0.000 χ^2/NDF: 760553.8/38

In: 0.008+/-0.000 χ^2/NDF:4132821.0/40

Out: 0.008+/-0.000 χ^2/NDF:3948280.0/45

All: 0.008+/-0.000 χ^2/NDF: 8081526.0/86

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.527+/-0.000 χ^2/NDF: 168989455614.5/17

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.495+/-0.000 χ^2/NDF: 156018754620.0/20

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

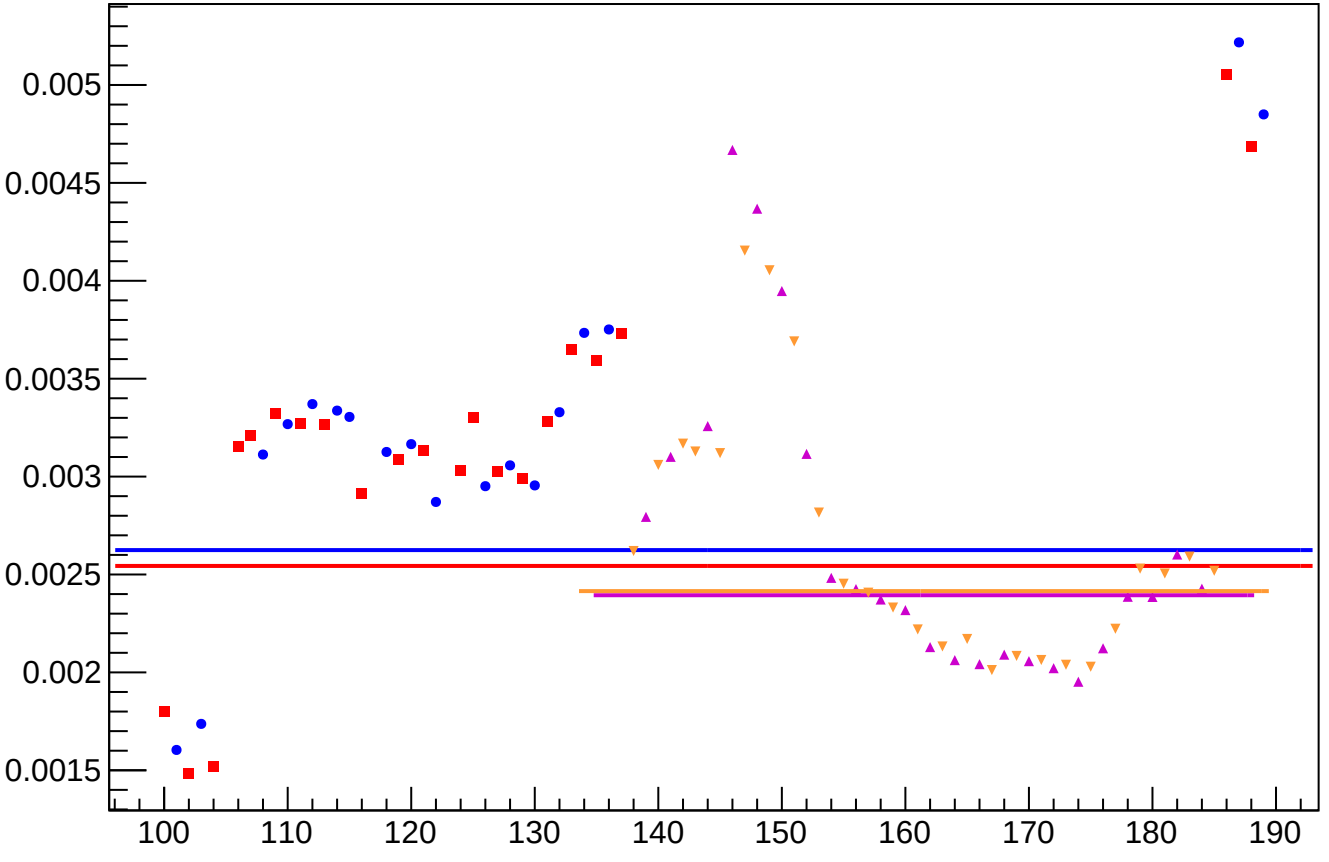
Right: -1.510+/-0.000 χ^2/NDF: 325524870054.4/38

In: -0.226+/-0.000 χ^2/NDF:4464755641890.9/40

Out: -0.291+/-0.000 χ^2/NDF:4688692015857.3/45

All: -0.259+/-0.000 χ^2/NDF: 9161472669707

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1485309.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2176514.1/20

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

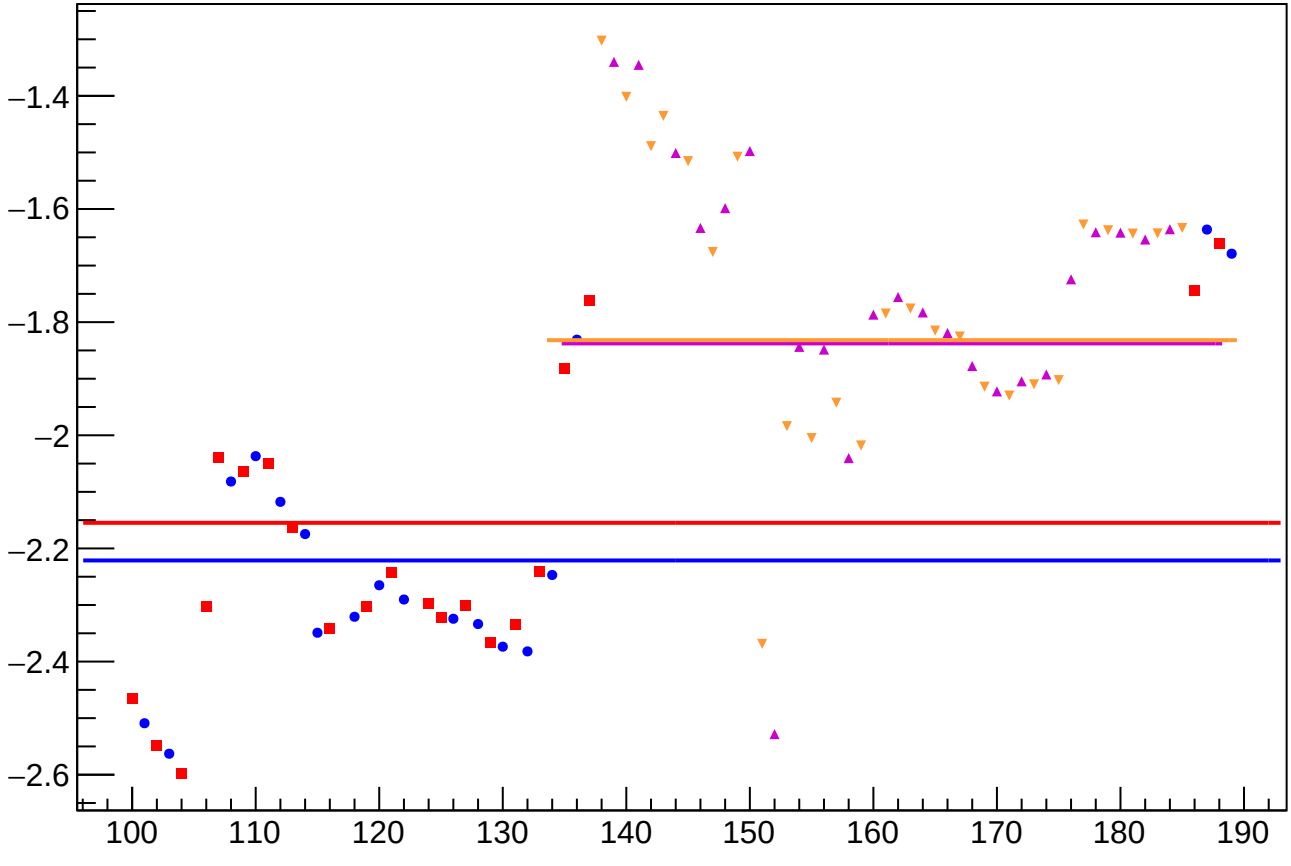
Right: 0.003+/-0.000 χ^2/NDF: 3668461.1/38

In: 0.002+/-0.000 χ^2/NDF:2970639.6/40

Out: 0.002+/-0.000 χ^2/NDF:3422909.0/45

All: 0.002+/-0.000 χ^2/NDF: 6393589.8/86

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.221+/-0.000 χ^2/NDF: 13992417540.2/17

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -2.155+/-0.000 χ^2/NDF: 20768556571.1/20

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

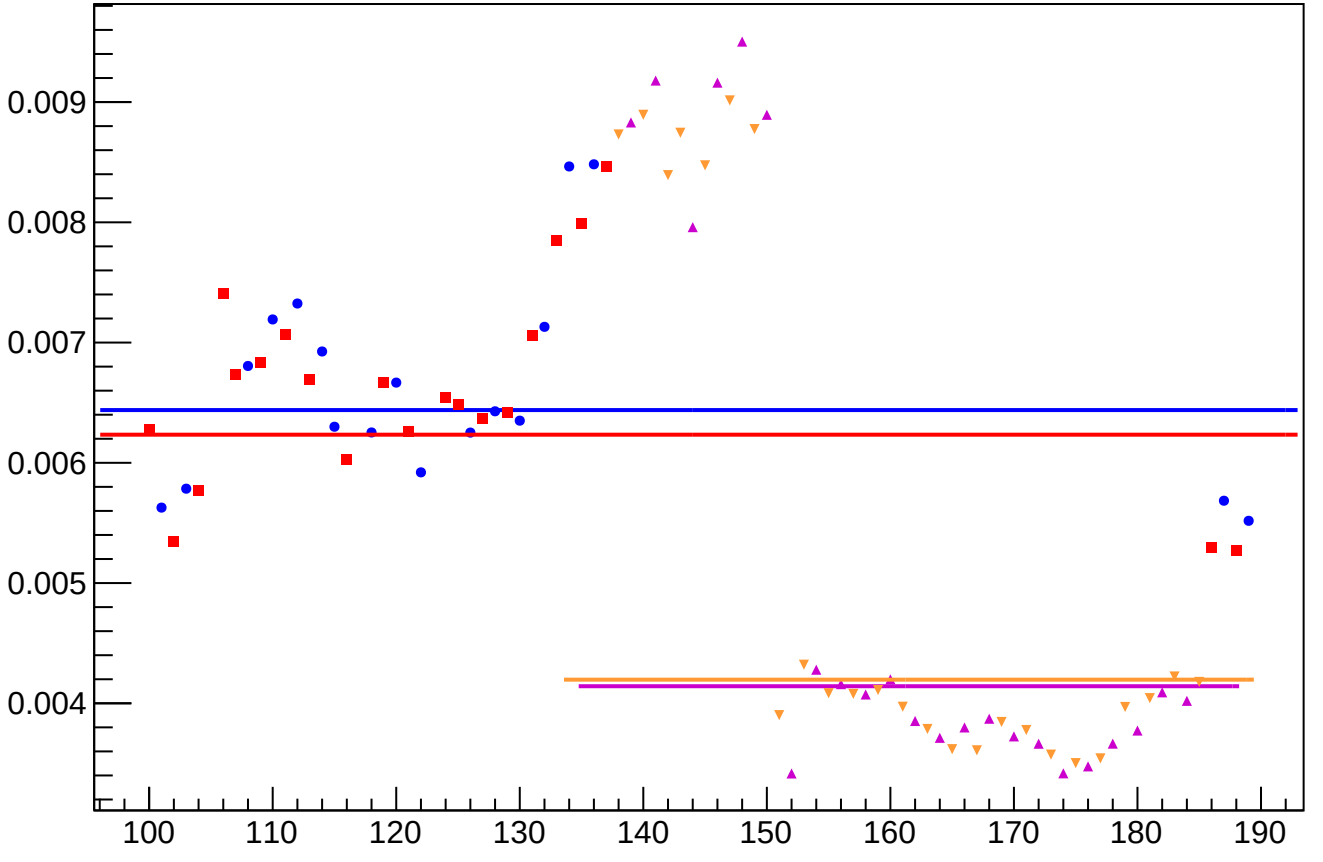
Right: -2.185+/-0.000 χ^2/NDF: 35200120780.3/38

In: -1.900+/-0.000 χ^2/NDF:90008583764.6/40

Out: -1.890+/-0.000 χ^2/NDF:77574367200.0/45

All: -1.895+/-0.000 χ^2/NDF: 167637871754.

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 261829.3/17

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 300012.4/20

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

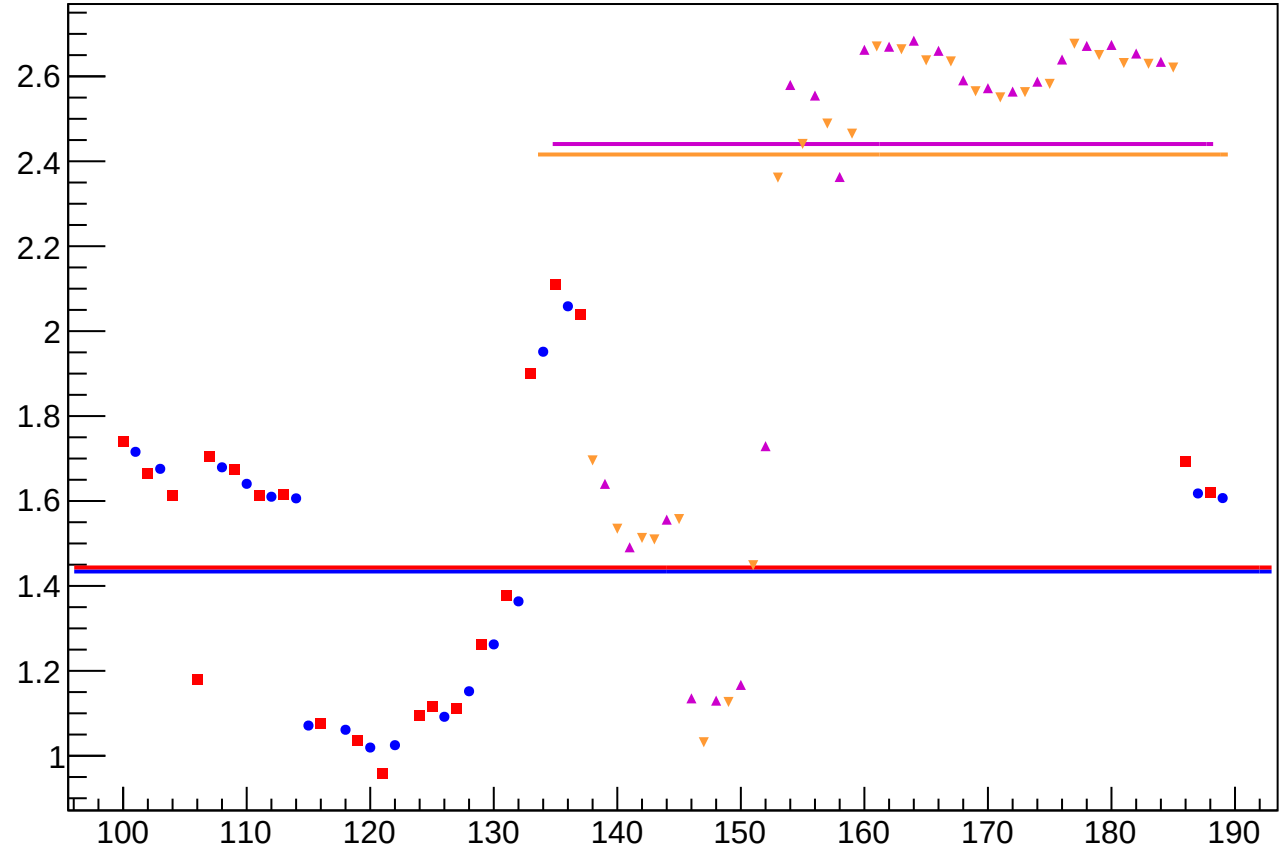
Right: 0.006+/-0.000 χ^2/NDF: 570153.9/38

In: 0.005+/-0.000 χ^2/NDF:5073781.6/40

Out: 0.005+/-0.000 χ^2/NDF:4859952.5/45

All: 0.005+/-0.000 χ^2/NDF: 9936580.5/86

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.434+/-0.000 χ^2/NDF: 189952600457.1/17

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.443+/-0.000 χ^2/NDF: 184224832973.1/20

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

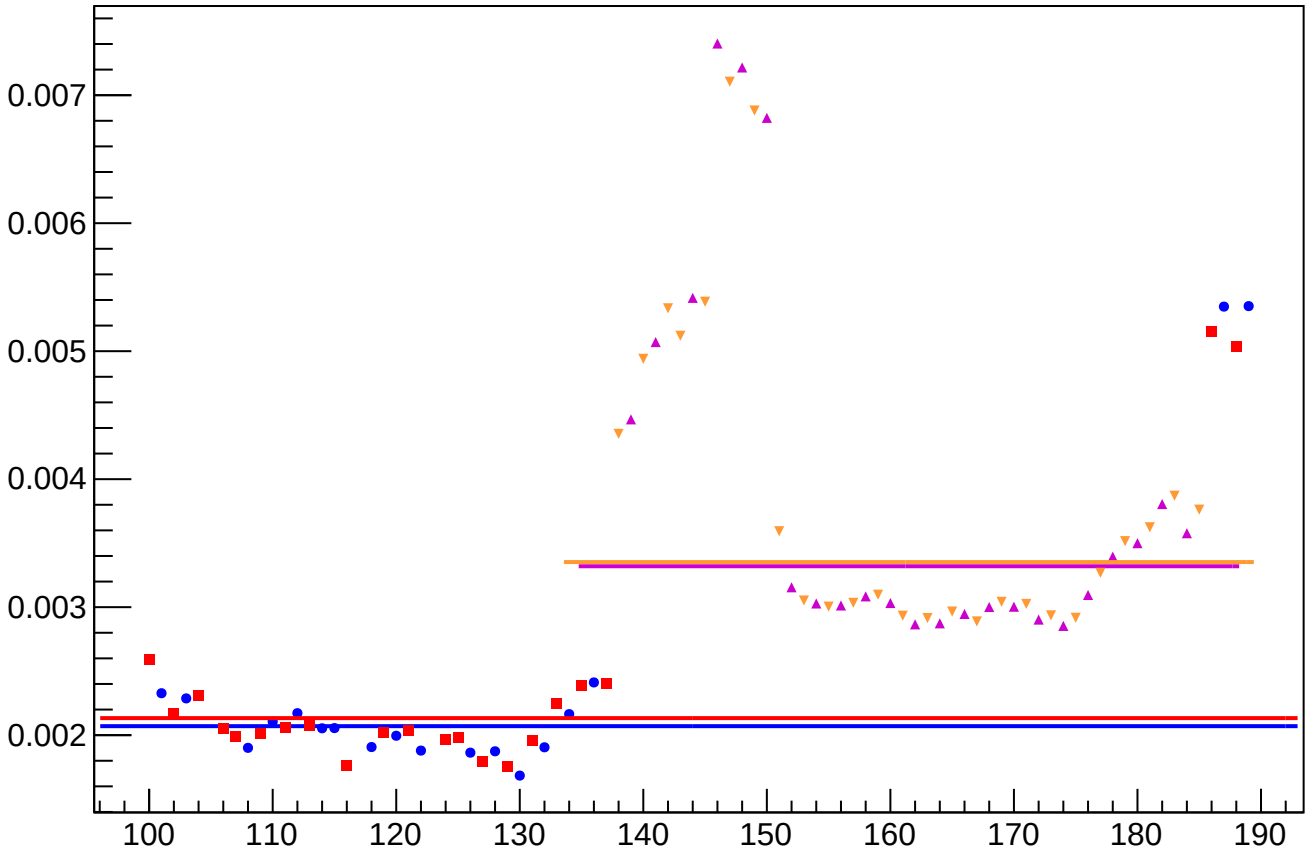
Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

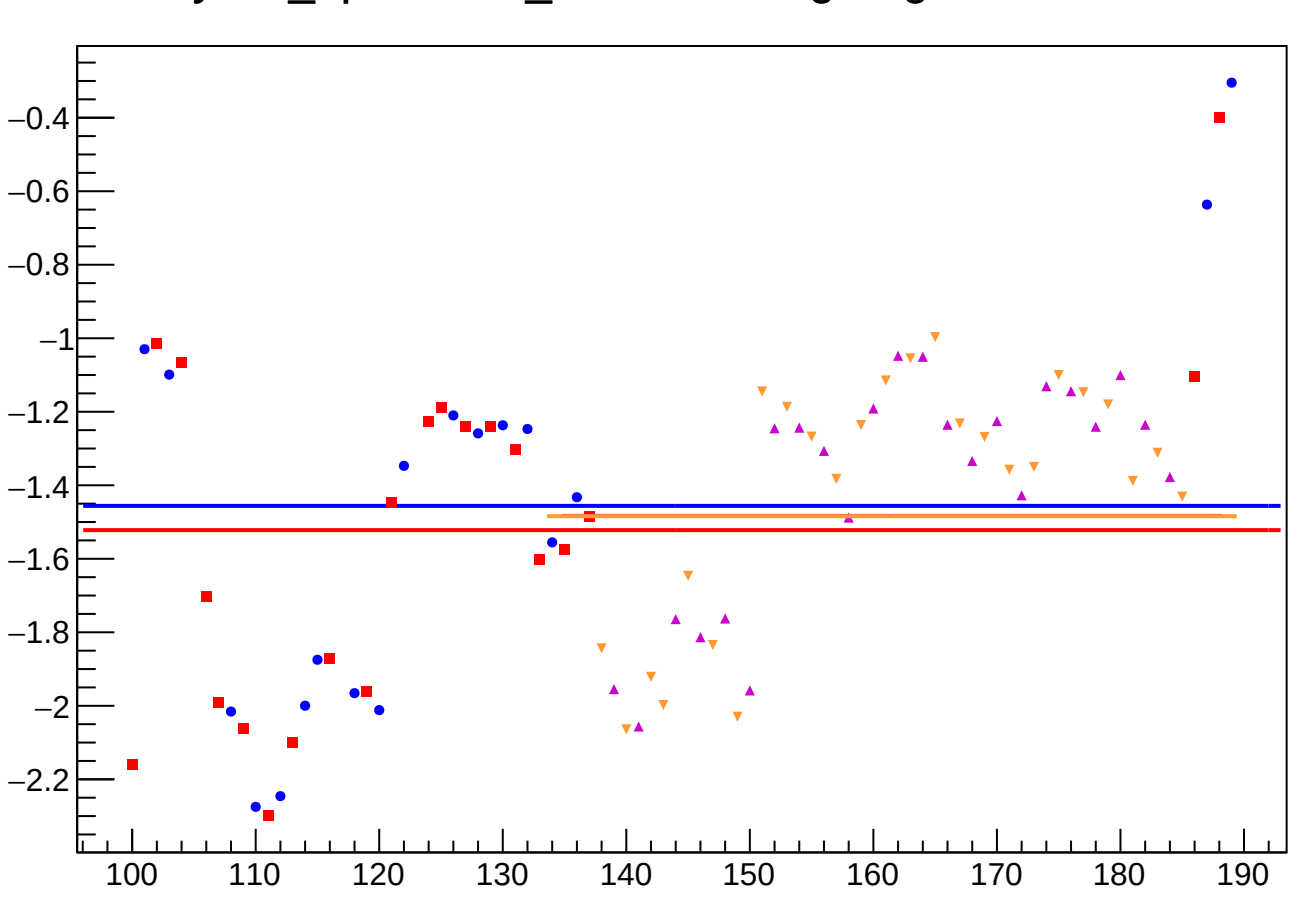
Right: 1.439+/-0.000 χ^2/NDF: 374251977611.6/38

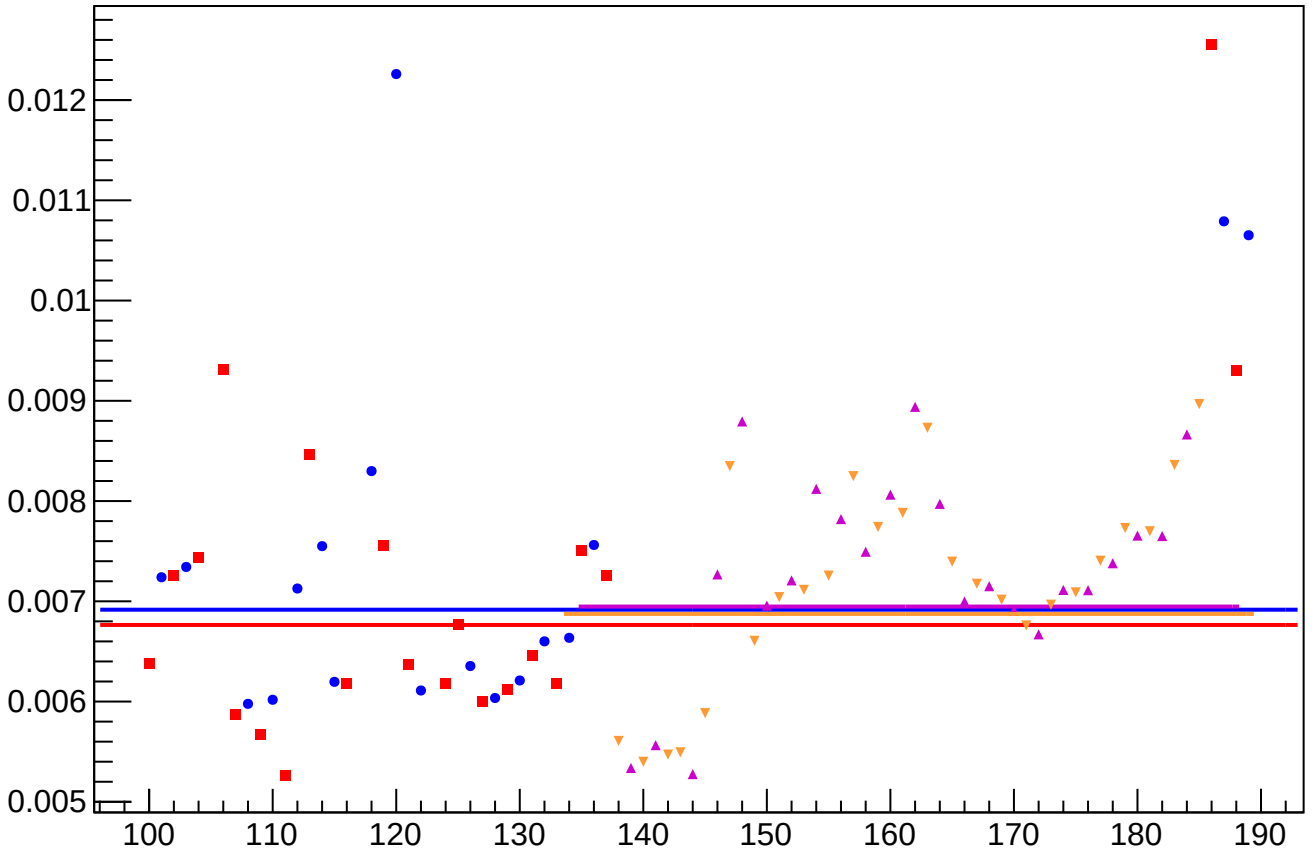
In: 1.910+/-0.000 χ^2/NDF:1212902478614.5/40

Out: 1.910+/-0.000 χ^2/NDF:1191295857417.8/45

All: 1.910+/-0.000 χ^2/NDF: 2404198553794.


yield_bpm0i01aY_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 692545.0/17
Left Out: 0.003+/-0.000 χ²/NDF:1819921.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 1060518.9/20
Left In: 0.003+/-0.000 χ²/NDF:2055631.9/22
Left: 0.003+/-0.000 χ²/NDF: 3877180.3/47
Right: 0.002+/-0.000 χ²/NDF: 1759655.1/38
In: 0.003+/-0.000 χ²/NDF:5185730.4/40
Out: 0.003+/-0.000 χ²/NDF:5282325.1/45
All: 0.003+/-0.000 χ²/NDF: 10478229.6/86


yield_bpm0l01X_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
180
190
Right In: -1.456+/-0.000 χ²/NDF: 29861473443.7/17
Left Out: -1.484+/-0.000 χ²/NDF:48438764764.6/24
Right Out: -1.522+/-0.000 χ²/NDF: 43190937602.8/20
Left In: -1.483+/-0.000 χ²/NDF:40353431150.9/22
Left: -1.484+/-0.000 χ²/NDF: 88792333216.2/47
Right: -1.492+/-0.000 χ²/NDF: 73401276797.3/38
In: -1.475+/-0.000 χ²/NDF:70292519470.5/40
Out: -1.496+/-0.000 χ²/NDF:91801662309.0/45
All: -1.486+/-0.000 χ²/NDF: 162208190976.6



Right In: 0.007+/-0.000 χ^2/NDF: 407375.1/17

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 548764.2/20

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

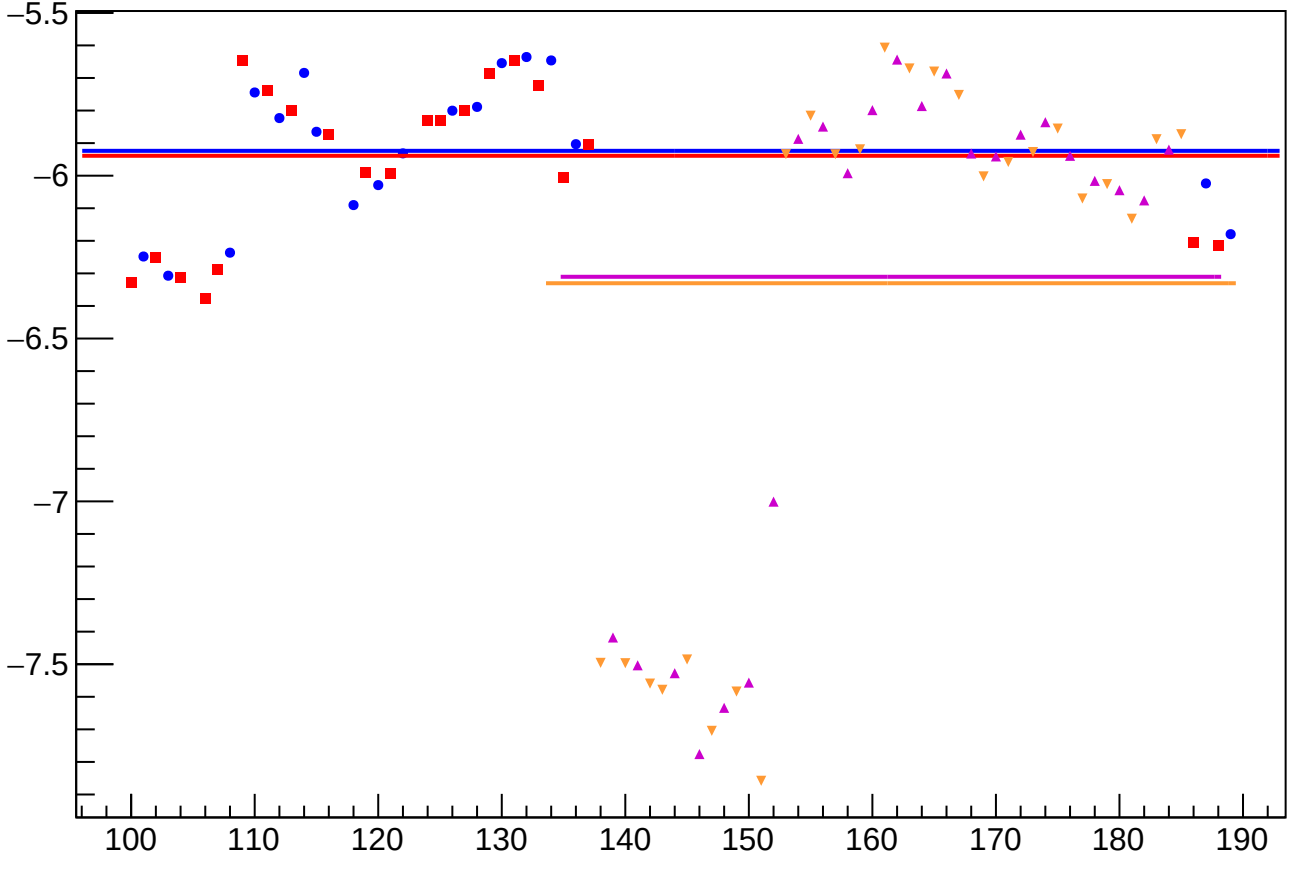
Right: 0.007+/-0.000 χ^2/NDF: 959855.1/38

In: 0.007+/-0.000 χ^2/NDF:1154309.2/40

Out: 0.007+/-0.000 χ^2/NDF:1297196.7/45

All: 0.007+/-0.000 χ^2/NDF: 2456670.2/86

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.924+/-0.000 χ^2/NDF: 11952168281.6/17

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.939+/-0.000 χ^2/NDF: 13285872053.9/20

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

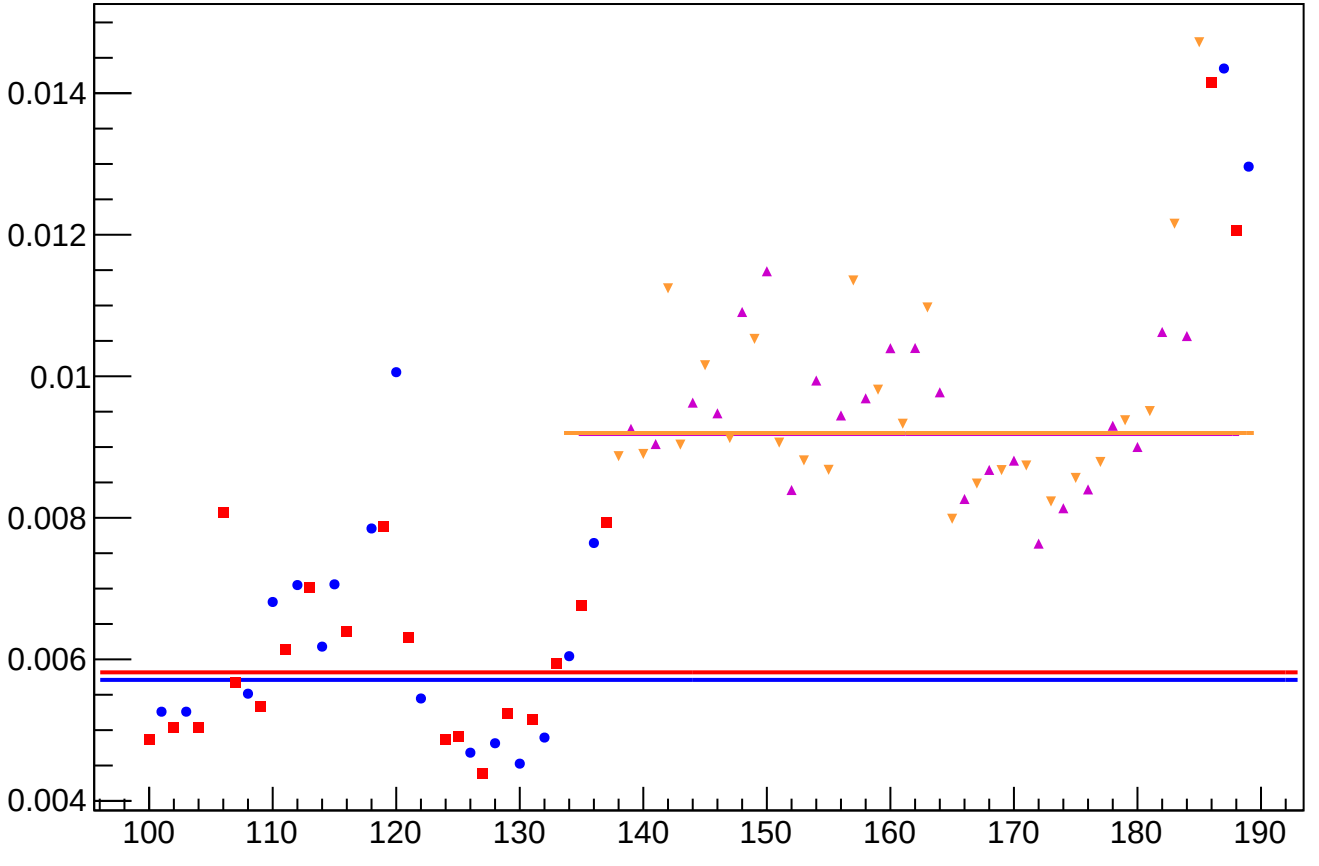
Right: -5.932+/-0.000 χ^2/NDF: 25262146047.7/38

In: -6.107+/-0.000 χ^2/NDF:117985132995.8/40

Out: -6.121+/-0.000 χ^2/NDF:139228514680.4/45

All: -6.114+/-0.000 χ^2/NDF: 257251082209.3

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 941411.8/17

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1152532.6/20

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

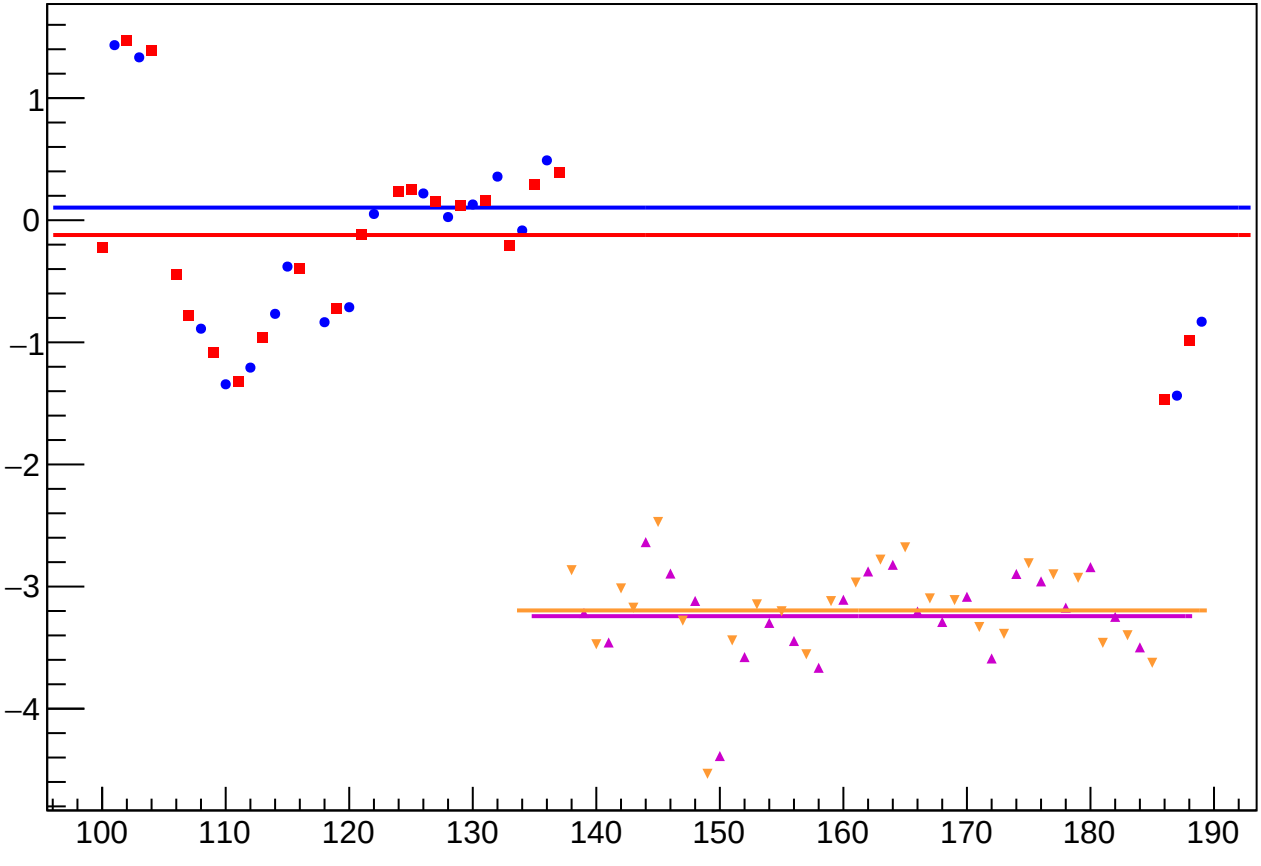
Right: 0.006+/-0.000 χ^2/NDF: 2096334.9/38

In: 0.007+/-0.000 χ^2/NDF:3576049.7/40

Out: 0.007+/-0.000 χ^2/NDF:3851395.5/45

All: 0.007+/-0.000 χ^2/NDF: 7427838.3/86

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.103+/-0.000 χ^2/NDF: 20195196982.9/17

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.121+/-0.000 χ^2/NDF: 26938335269.6/20

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

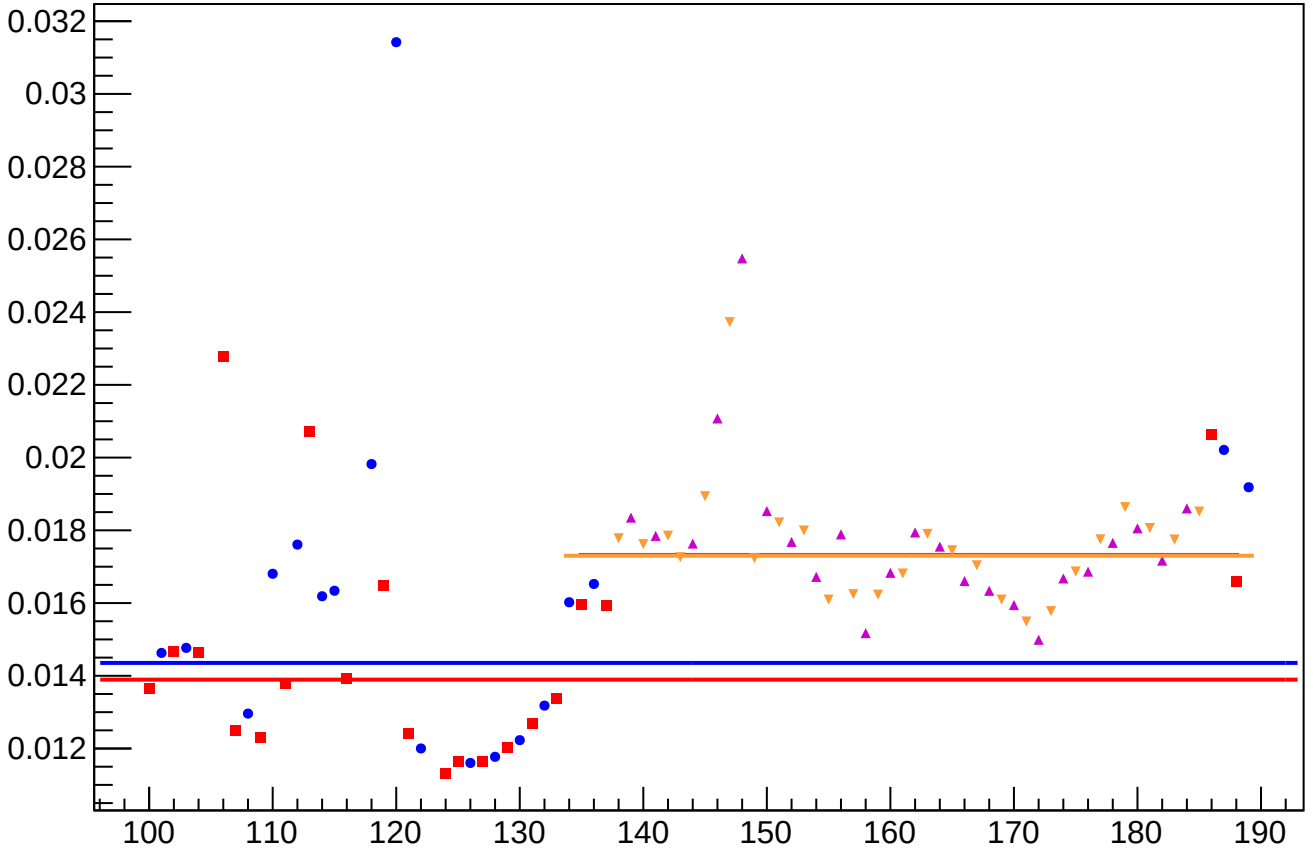
Right: -0.021+/-0.000 χ^2/NDF: 48068391841.6/38

In: -2.021+/-0.000 χ^2/NDF:266872558045.6/40

Out: -1.966+/-0.000 χ^2/NDF:271097802598.4/45

All: -1.992+/-0.000 χ^2/NDF: 538117241876.3

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 561295.7/17

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 451653.8/20

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

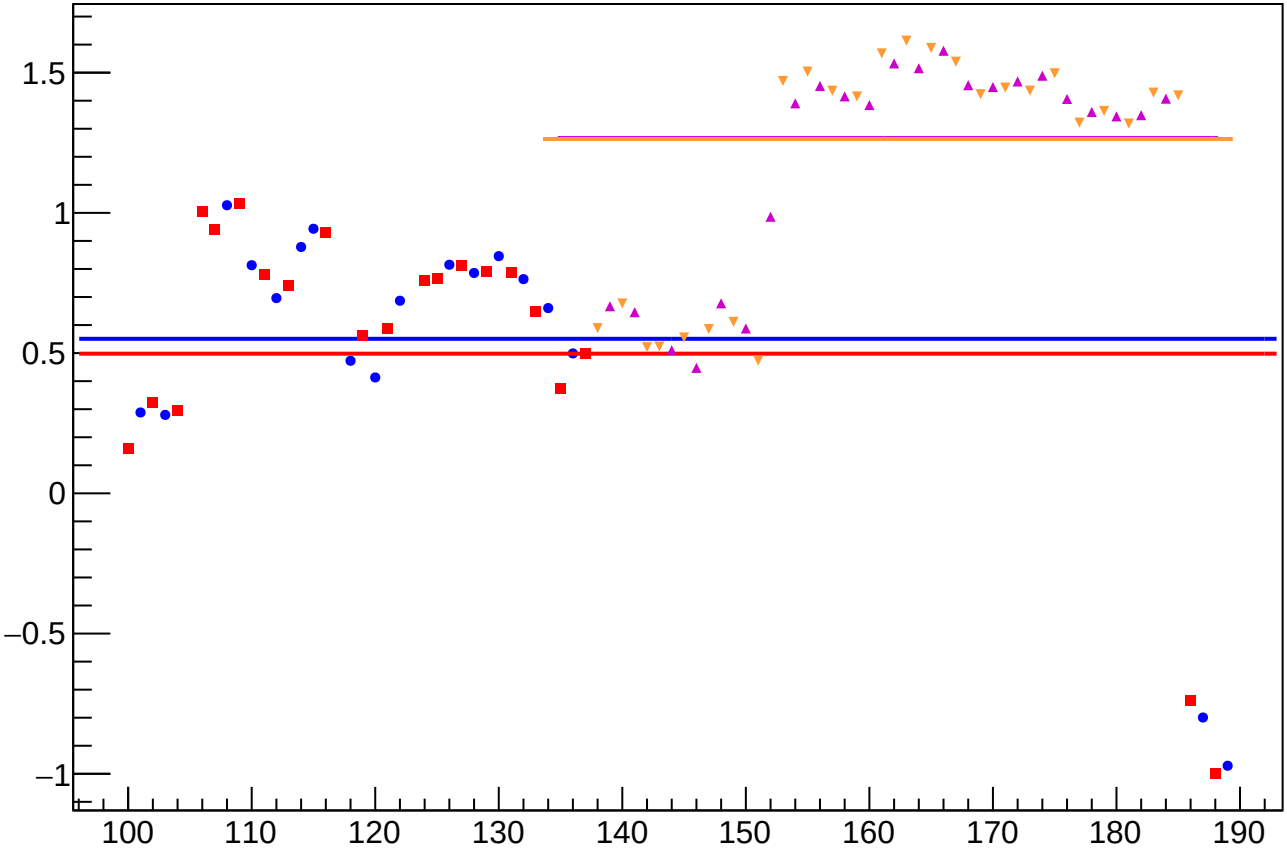
Right: 0.014+/-0.000 χ^2/NDF: 1020796.4/38

In: 0.016+/-0.000 χ^2/NDF:1267112.1/40

Out: 0.016+/-0.000 χ^2/NDF:1246129.7/45

All: 0.016+/-0.000 χ^2/NDF: 2522027.3/86

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.551+/-0.000 χ^2/NDF: 14550934799.4/17

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.498+/-0.000 χ^2/NDF: 25798050273.4/20

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

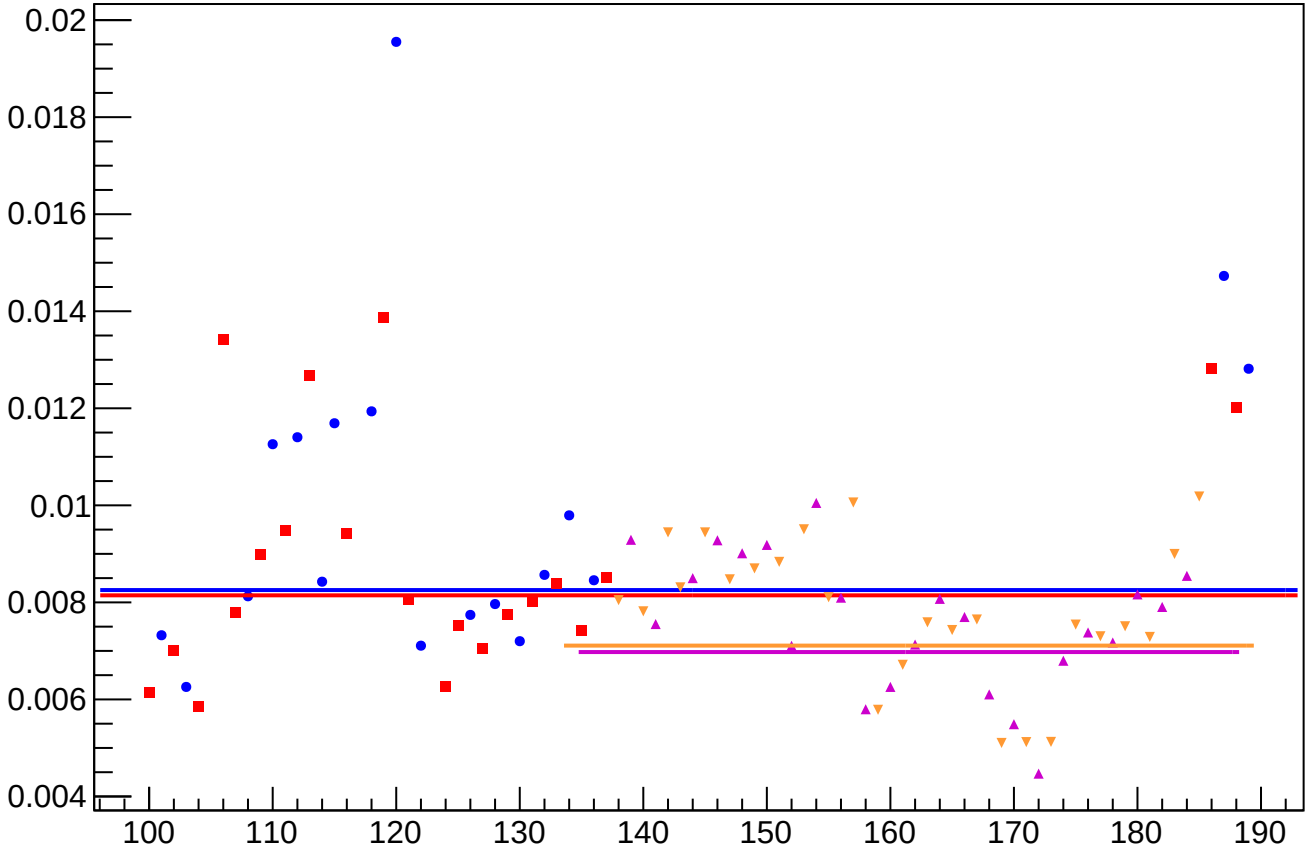
Right: 0.523+/-0.000 χ^2/NDF: 40497345167.7/38

In: 1.104+/-0.000 χ^2/NDF:91087070768.6/40

Out: 1.070+/-0.000 χ^2/NDF:121260544142.6/45

All: 1.087+/-0.000 χ^2/NDF: 212604174137.6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 798340.1/17

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 904161.3/20

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

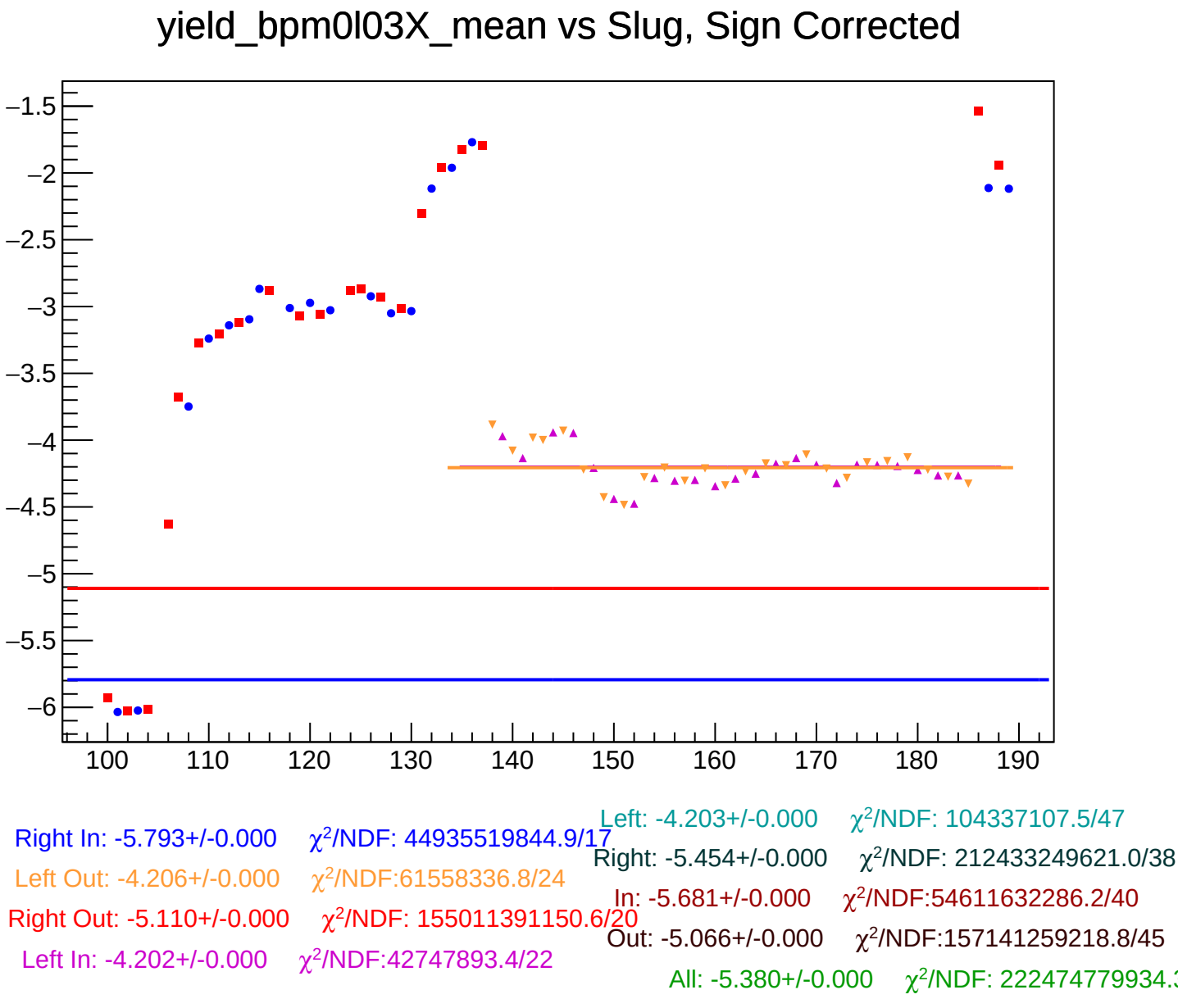
Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

Right: 0.008+/-0.000 χ^2/NDF: 1703750.4/38

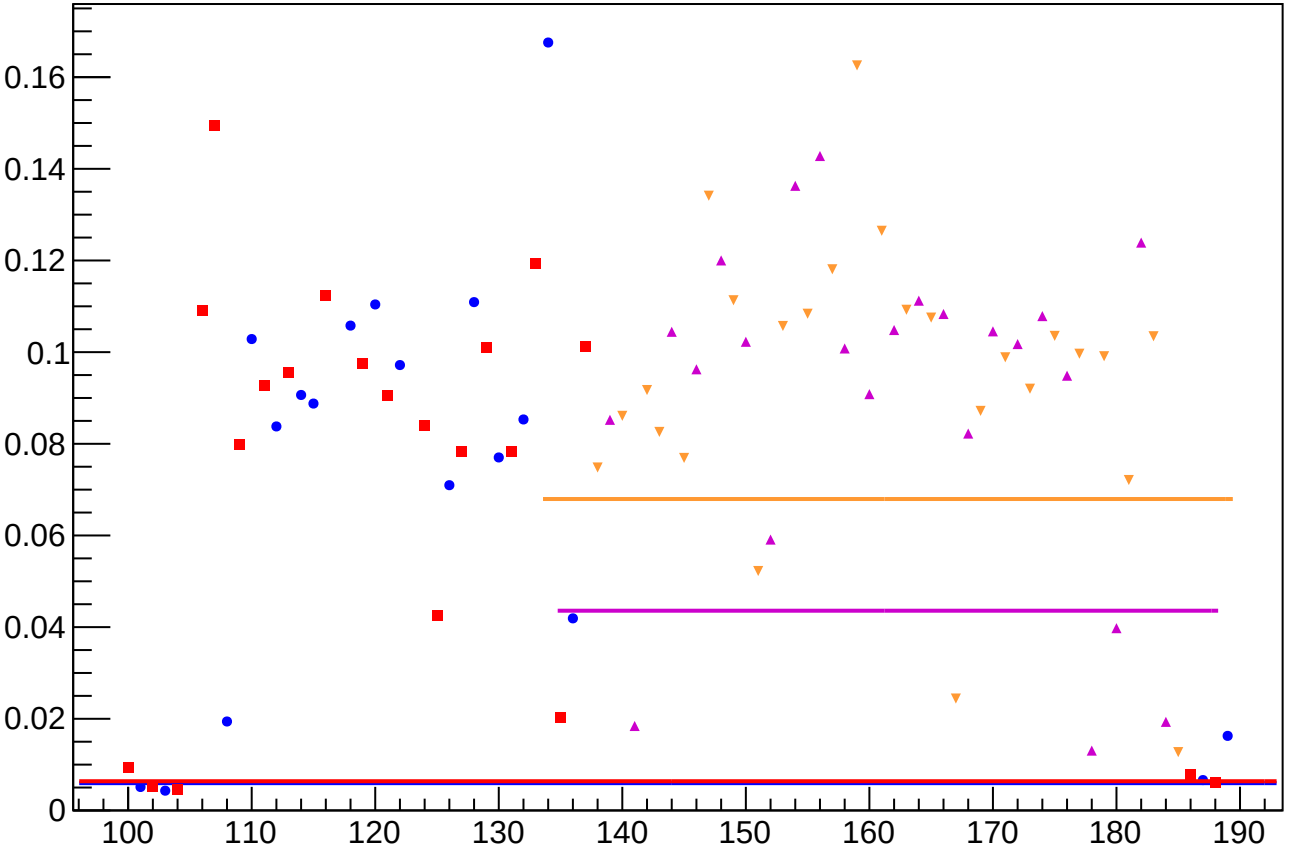
In: 0.007+/-0.000 χ^2/NDF:2503429.0/40

Out: 0.007+/-0.000 χ^2/NDF:2606180.9/45

All: 0.007+/-0.000 χ^2/NDF: 5114405.0/86


yield_bpm0l03X_mean vs Slug, Sign Corrected
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
−5
−5.5
−6
100
110
120
130
140
150
160
170
180
190
Right In: -5.793+/-0.000 χ²/NDF: 44935519844.9/17
Left Out: -4.206+/-0.000 χ²/NDF:61558336.8/24
Right Out: -5.110+/-0.000 χ²/NDF: 155011391150.6/20
Left In: -4.202+/-0.000 χ²/NDF:42747893.4/22
Left: -4.203+/-0.000 χ²/NDF: 104337107.5/47
Right: -5.454+/-0.000 χ²/NDF: 212433249621.0/38
In: -5.681+/-0.000 χ²/NDF:54611632286.2/40
Out: -5.066+/-0.000 χ²/NDF:157141259218.8/45
All: -5.380+/-0.000 χ²/NDF: 222474779934.3

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8796565.9/17

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8761248.8/20

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

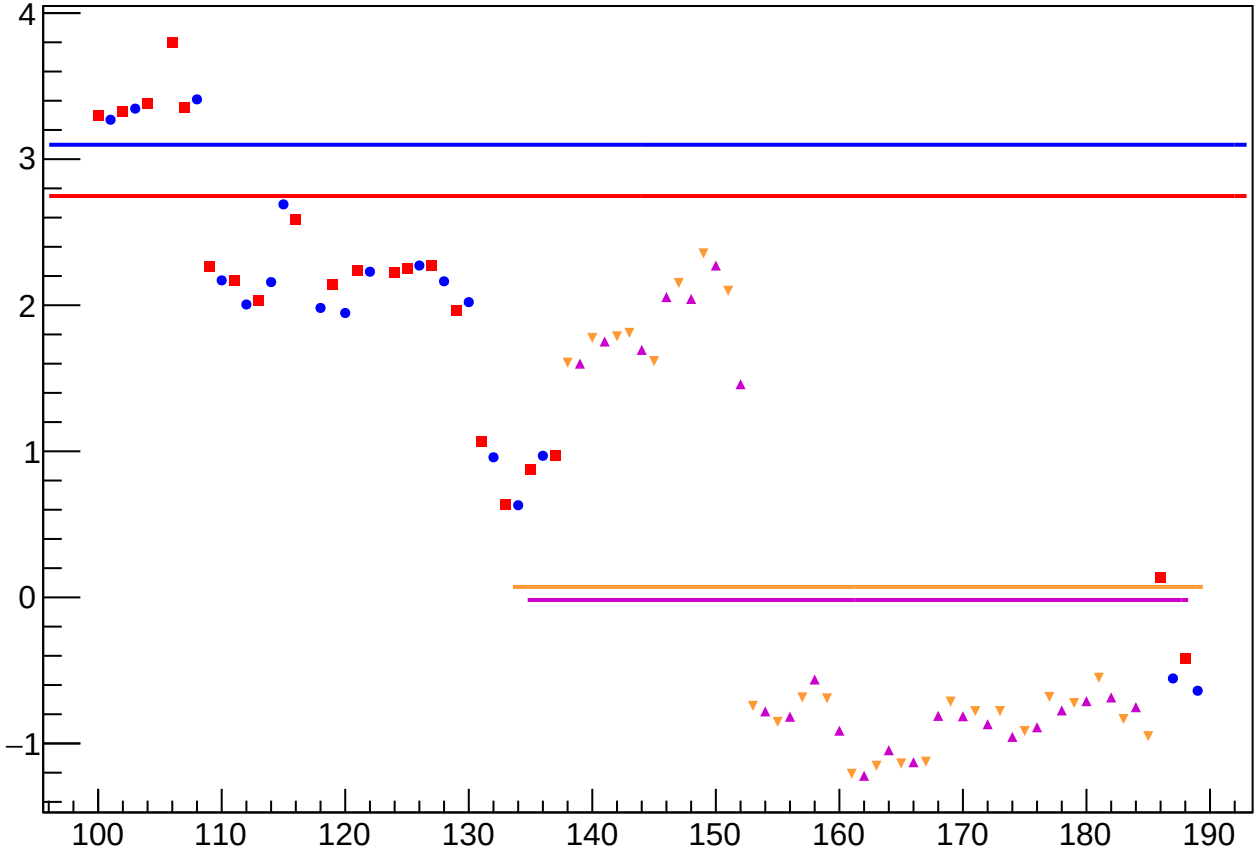
Right: 0.006+/-0.000 χ^2/NDF: 17567252.4/38

In: 0.009+/-0.000 χ^2/NDF:32324970.2/40

Out: 0.009+/-0.000 χ^2/NDF:35605847.6/45

All: 0.009+/-0.000 χ^2/NDF: 67959334.0/86

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.099+/-0.000 χ^2/NDF: 22243983479.9/17

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 2.748+/-0.000 χ^2/NDF: 61294530595.3/20

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

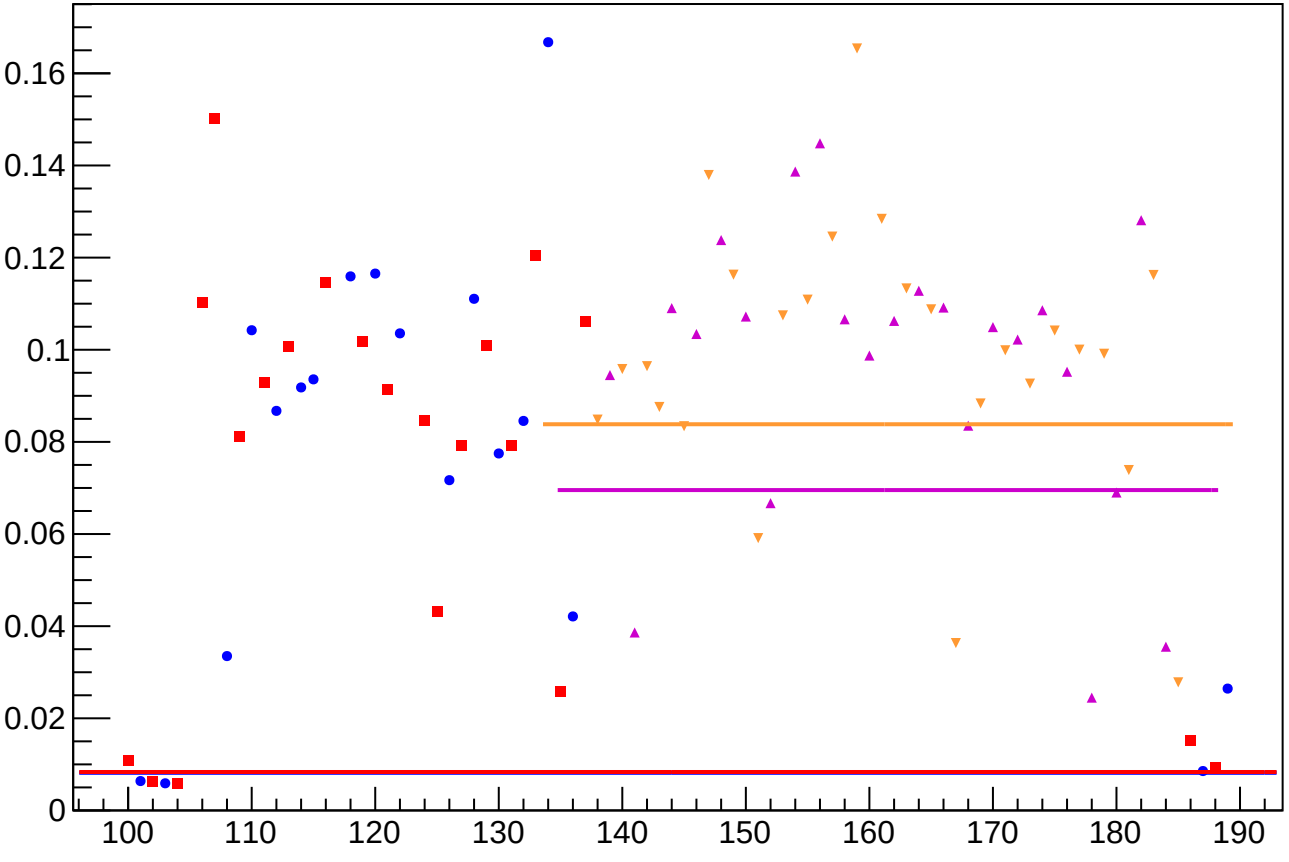
Right: 2.918+/-0.000 χ^2/NDF: 85593546089.1/38

In: 2.885+/-0.000 χ^2/NDF:47214390650.9/40

Out: 2.597+/-0.000 χ^2/NDF:78831697106.1/45

All: 2.738+/-0.000 χ^2/NDF: 127528956592.1

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8575905.6/17

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 8635083.8/20

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

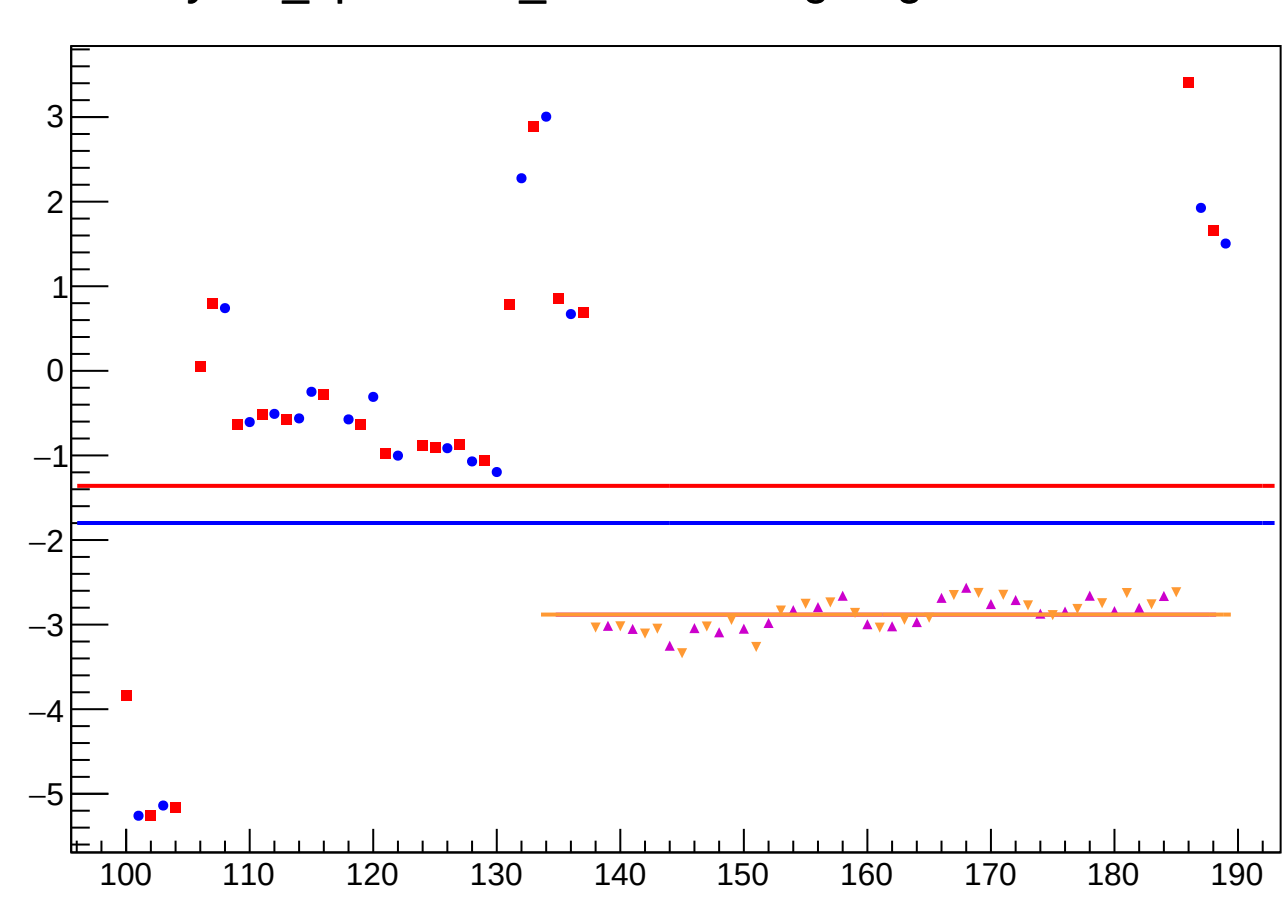
Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

Right: 0.008+/-0.000 χ^2/NDF: 17211975.0/38

In: 0.012+/-0.000 χ^2/NDF:31957110.7/40

Out: 0.013+/-0.000 χ^2/NDF:34587733.0/45

All: 0.012+/-0.000 χ^2/NDF: 66546727.0/86



Right In: -1.799+/-0.000 χ^2/NDF: 176041840375.2/17

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.360+/-0.000 χ^2/NDF: 201930293415.3/20

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

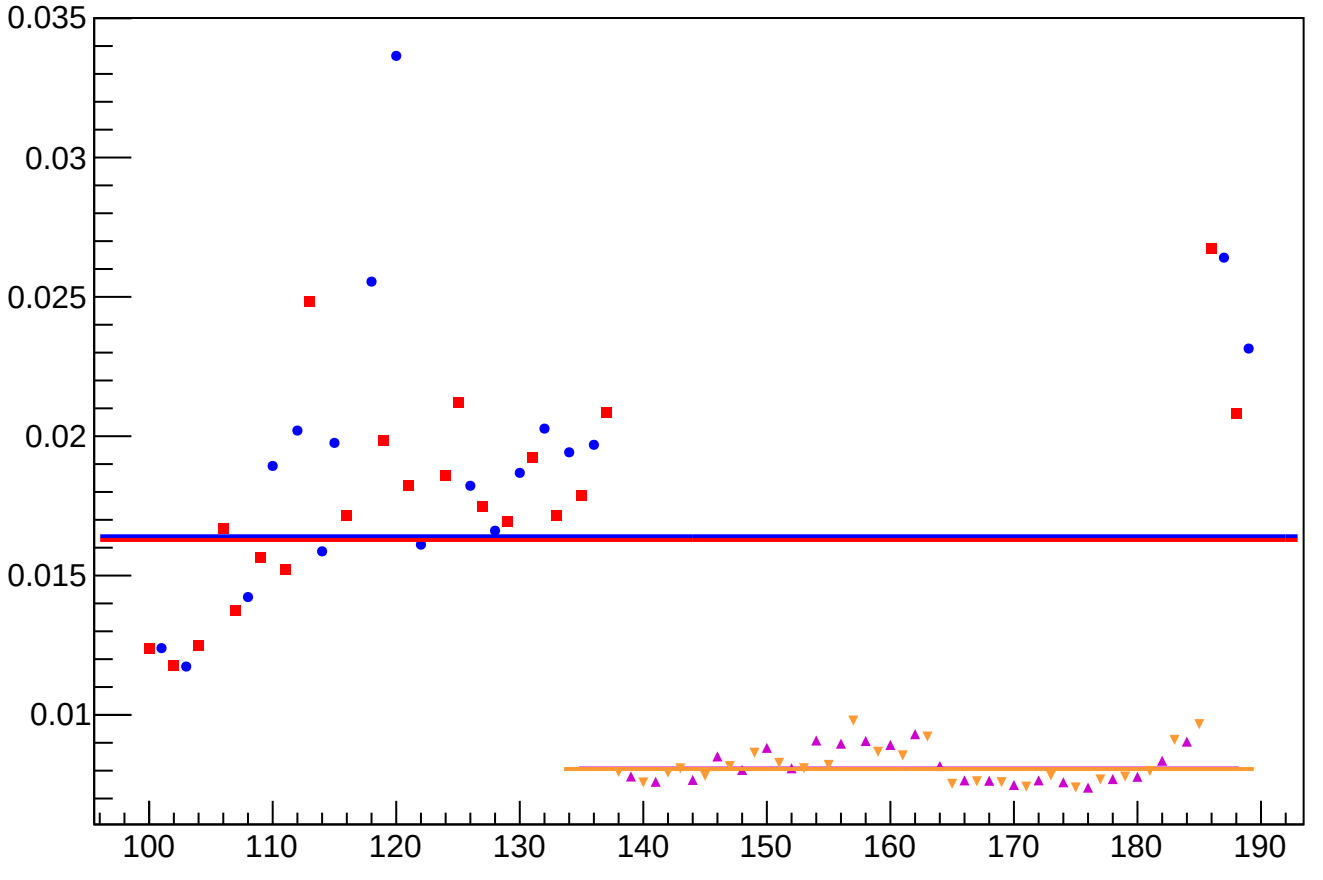
Right: -1.560+/-0.000 χ^2/NDF: 380471525591.8/38

In: -2.794+/-0.000 χ^2/NDF:210026817591.0/40

Out: -2.743+/-0.000 χ^2/NDF:272391144252.7/45

All: -2.767+/-0.000 χ^2/NDF: 482814555681.8

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 873060.4/17

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.016+/-0.000 χ^2/NDF: 718220.7/20

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

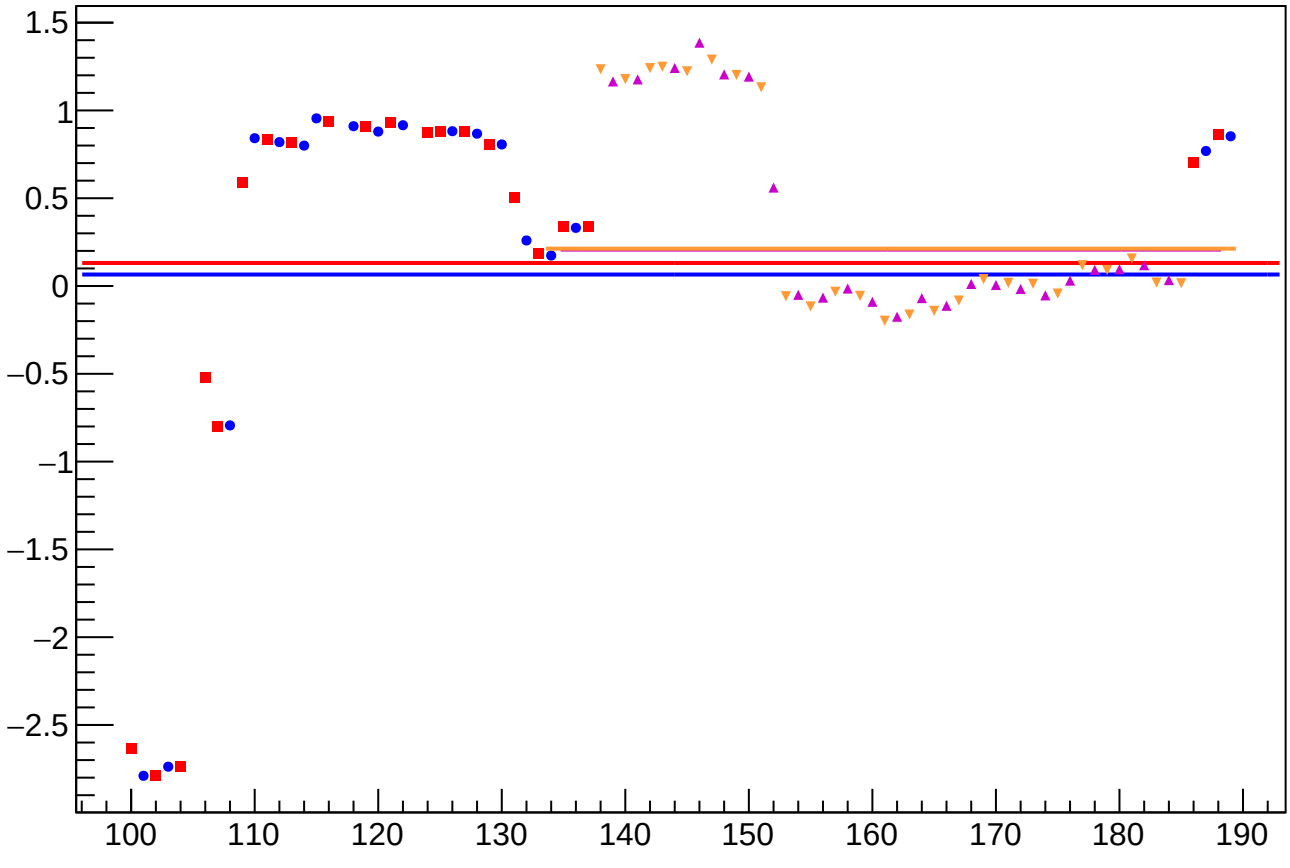
Right: 0.016+/-0.000 χ^2/NDF: 1591727.4/38

In: 0.009+/-0.000 χ^2/NDF:4090801.0/40

Out: 0.009+/-0.000 χ^2/NDF:4400328.1/45

All: 0.009+/-0.000 χ^2/NDF: 8491840.9/86

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.066+/-0.000 χ^2/NDF: 866520889042.3/17

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.131+/-0.000 χ^2/NDF: 963507805770.7/20

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

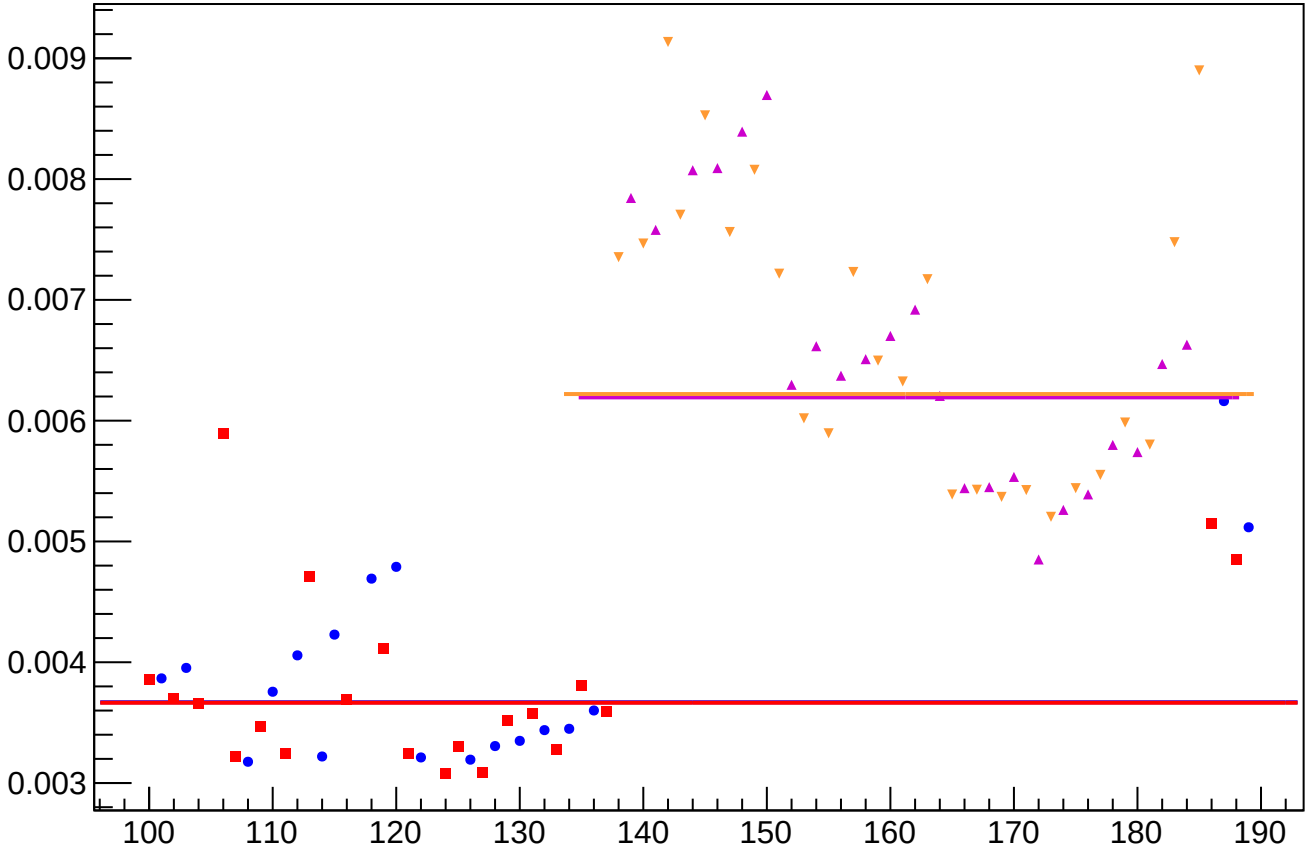
Right: 0.100+/-0.000 χ^2/NDF: 1831274941226.1/38

In: 0.127+/-0.000 χ^2/NDF:958362923760.5/40

Out: 0.165+/-0.000 χ^2/NDF:1068006652066.5/45

All: 0.147+/-0.000 χ^2/NDF: 2027095315440.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 321743.9/17

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 414923.1/20

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

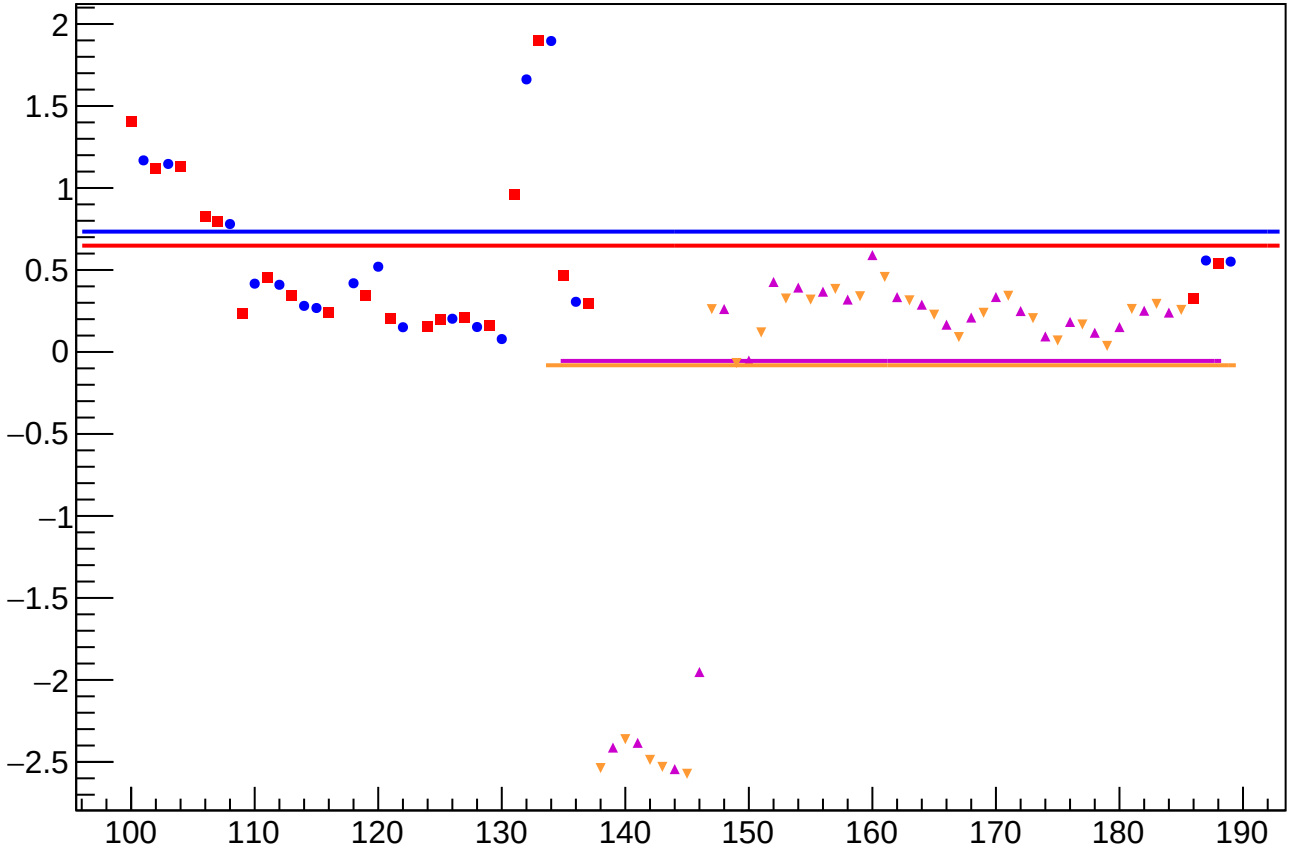
Right: 0.004+/-0.000 χ^2/NDF: 736675.3/38

In: 0.005+/-0.000 χ^2/NDF:4131898.8/40

Out: 0.005+/-0.000 χ^2/NDF:4531807.1/45

All: 0.005+/-0.000 χ^2/NDF: 8665194.3/86

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.734+/-0.000 χ^2/NDF: 38451357600.4/17

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.648+/-0.000 χ^2/NDF: 41442109574.7/20

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

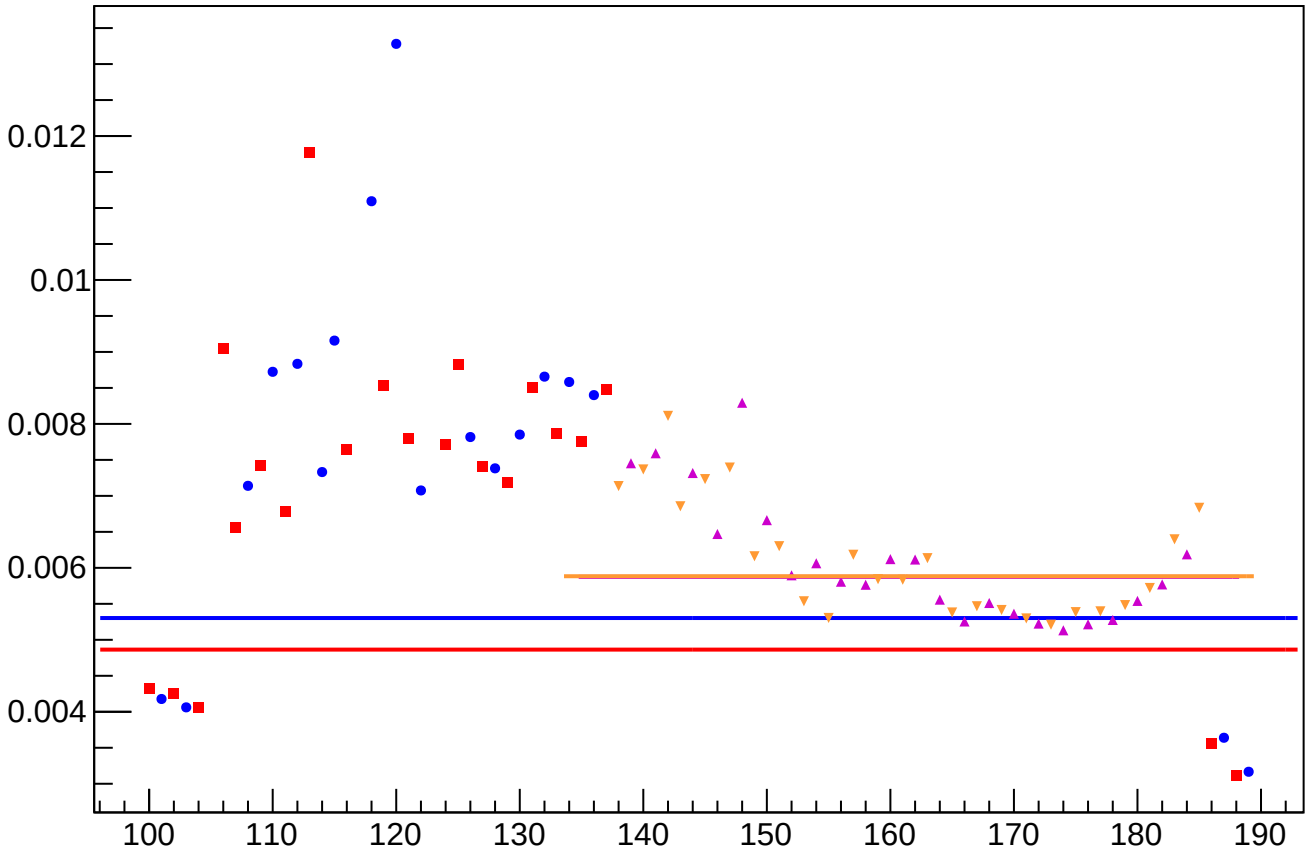
Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

Right: 0.685+/-0.000 χ^2/NDF: 80771563563.8/38

In: 0.182+/-0.000 χ^2/NDF:476071529848.2/40

Out: 0.181+/-0.000 χ^2/NDF:526486635989.4/45

All: 0.181+/-0.000 χ^2/NDF: 1002559434817.



Right In: 0.005+/-0.000 χ^2/NDF: 2195774.6/17

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2430527.7/20

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

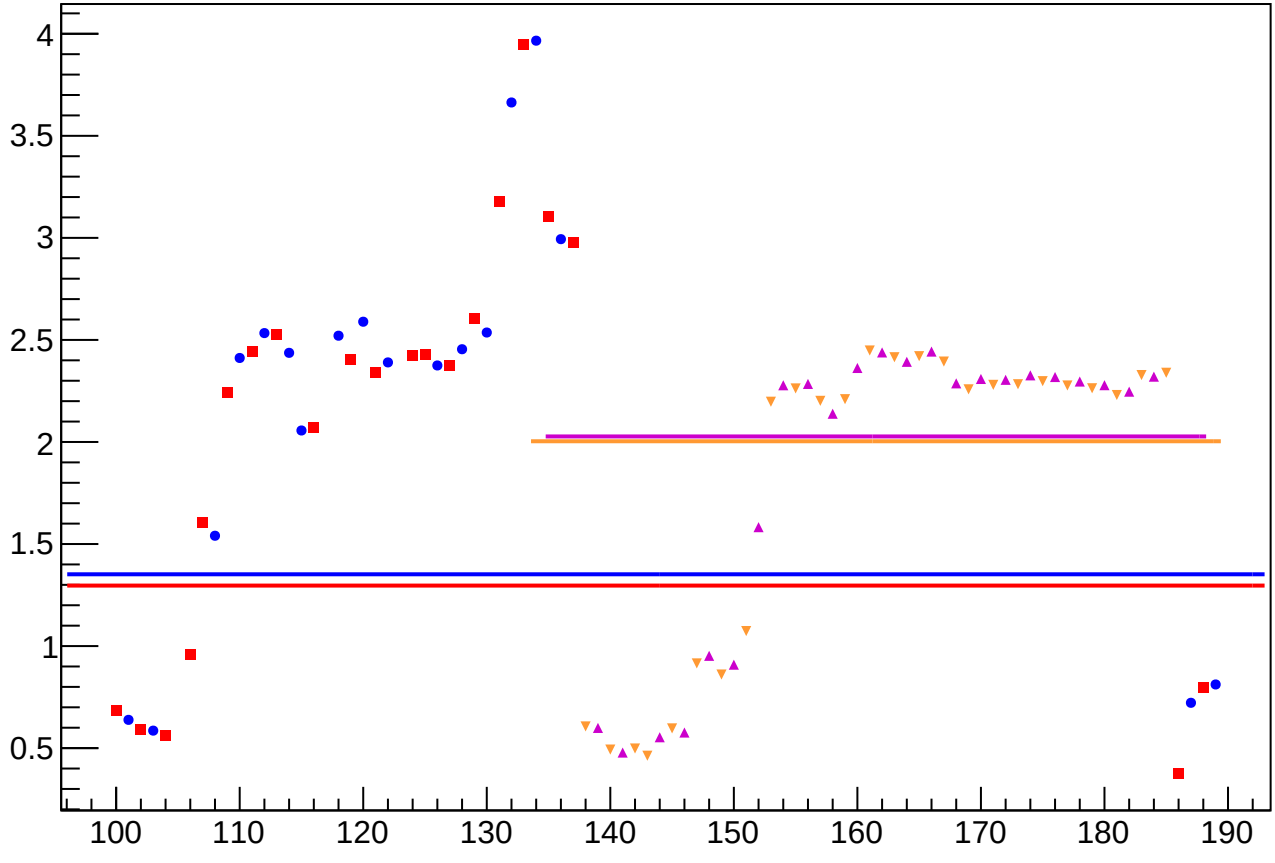
Right: 0.005+/-0.000 χ^2/NDF: 4672525.0/38

In: 0.006+/-0.000 χ^2/NDF:2812913.7/40

Out: 0.006+/-0.000 χ^2/NDF:3266061.7/45

All: 0.006+/-0.000 χ^2/NDF: 6104247.0/86

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.352+/-0.000 χ^2/NDF: 179465055377.7/17

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.296+/-0.000 χ^2/NDF: 213863686325.2/20

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

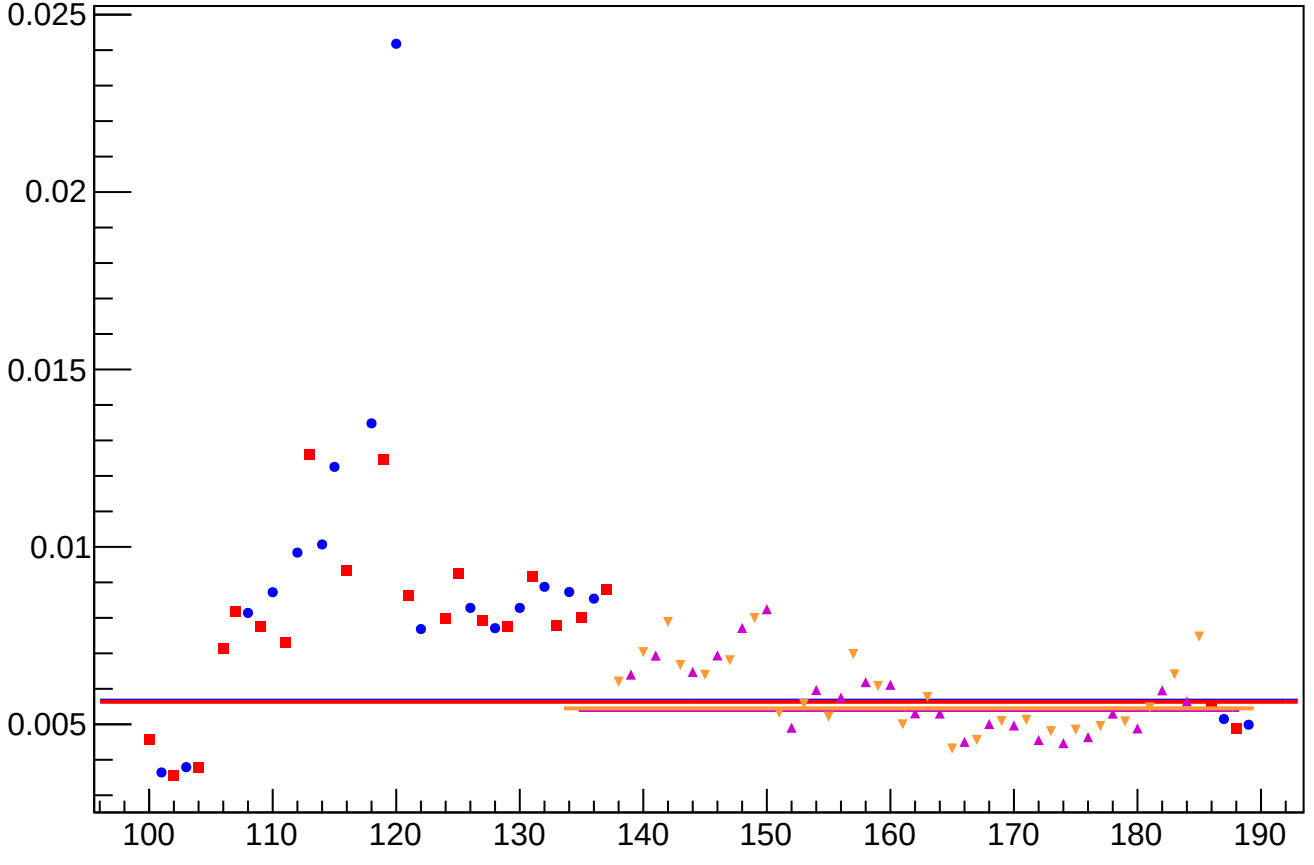
Right: 1.321+/-0.000 χ^2/NDF: 393624302454.6/38

In: 1.859+/-0.000 χ^2/NDF:434318812565.6/40

Out: 1.806+/-0.000 χ^2/NDF:509906034610.0/45

All: 1.832+/-0.000 χ^2/NDF: 945235670782.1

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2239886.5/17

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2010278.8/20

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

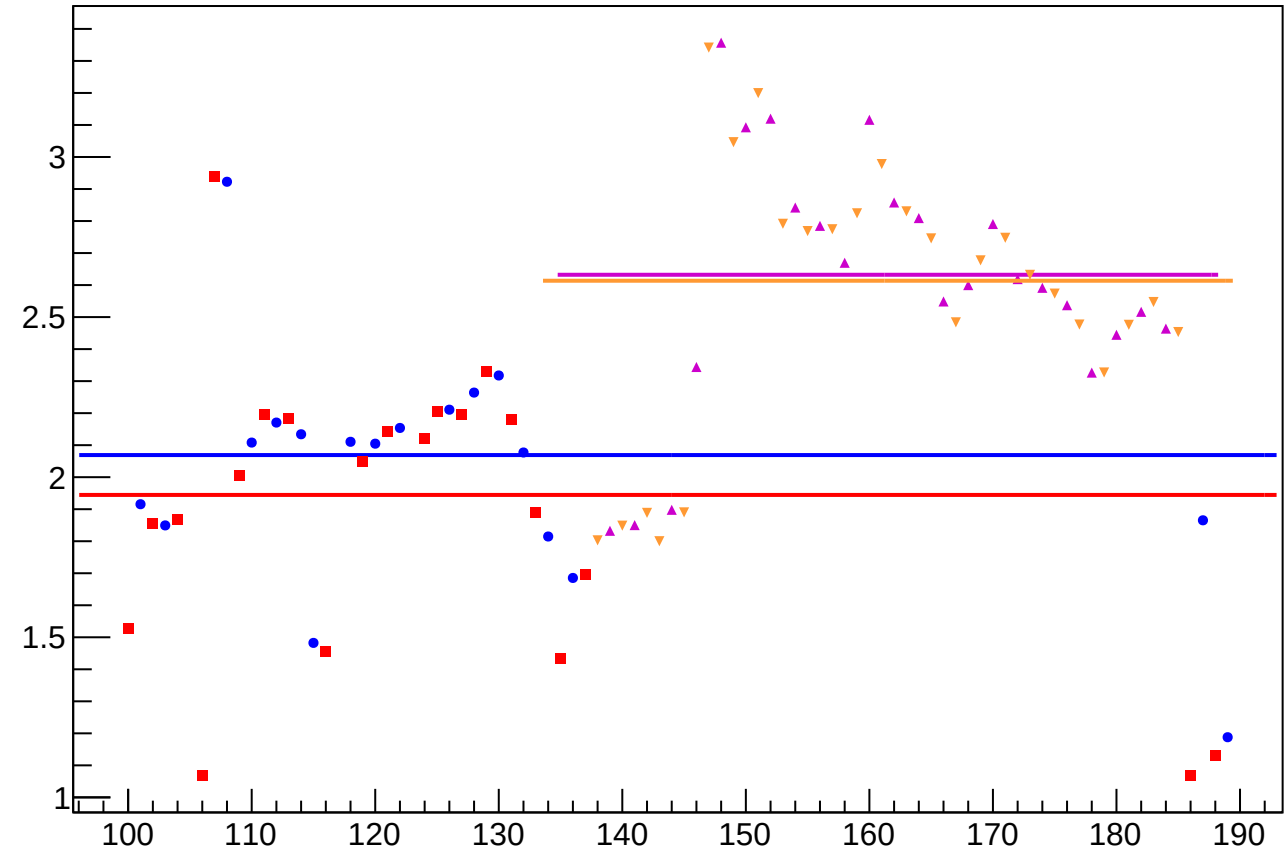
Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4250359.4/38

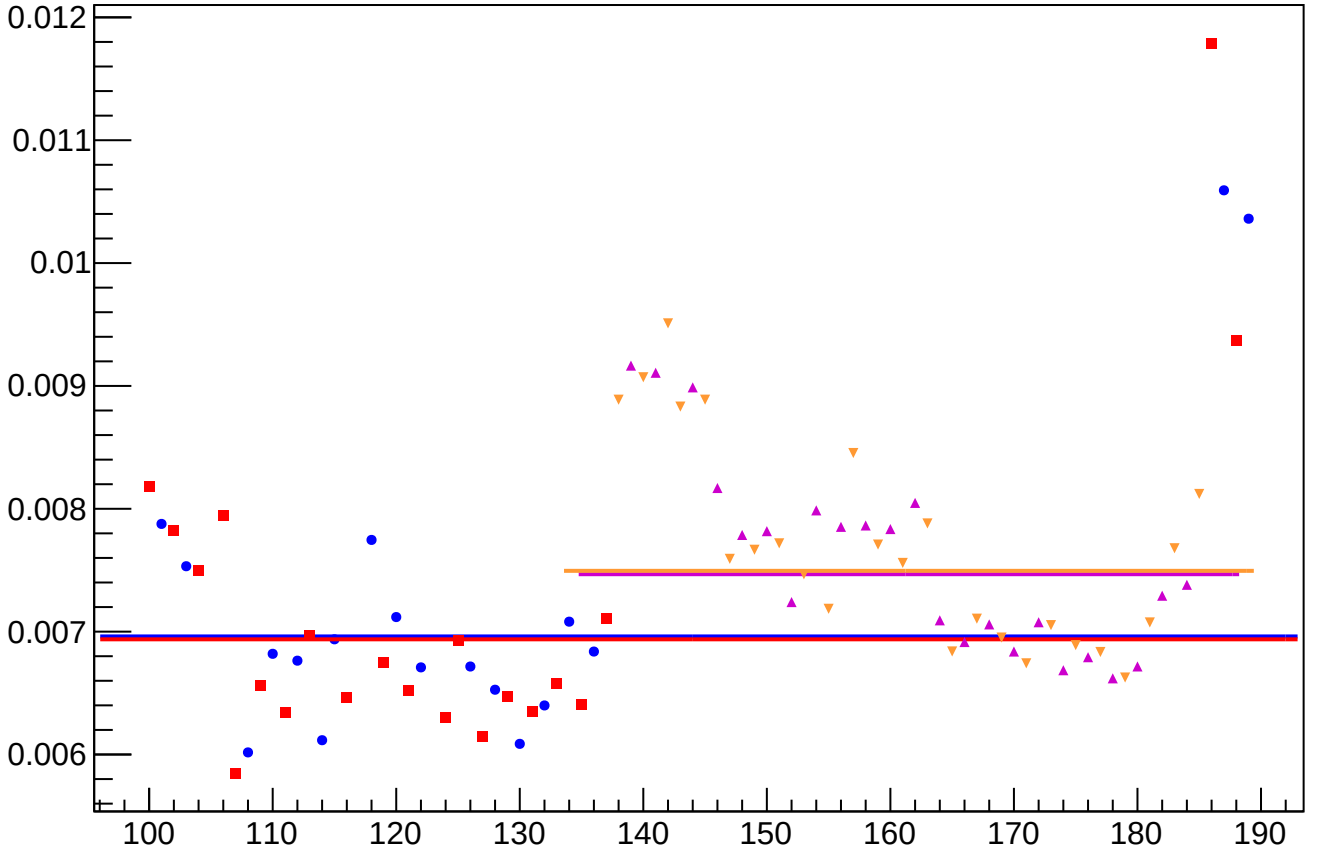
In: 0.005+/-0.000 χ^2/NDF:3073169.4/40

Out: 0.006+/-0.000 χ^2/NDF:2792332.8/45

All: 0.005+/-0.000 χ^2/NDF: 5866194.8/86


yield_bpm0l06X_mean vs Slug, Sign Corrected
3
2.5
2
1.5
1
100
110
120
130
140
150
160
170
180
190
Right In: 2.069+/-0.000 χ²/NDF: 17774707097.5/17
Left Out: 2.614+/-0.000 χ²/NDF:46402554271.4/24
Right Out: 1.945+/-0.000 χ²/NDF: 29544114840.2/20
Left In: 2.632+/-0.000 χ²/NDF:40551967819.7/22
Left: 2.623+/-0.000 χ²/NDF: 87009327498.9/47
Right: 2.003+/-0.000 χ²/NDF: 48577649533.8/38
In: 2.446+/-0.000 χ²/NDF:90842646404.3/40
Out: 2.380+/-0.000 χ²/NDF:126323963370.1/45
All: 2.412+/-0.000 χ²/NDF: 218202112165.0

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 240817.0/17

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 358426.0/20

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

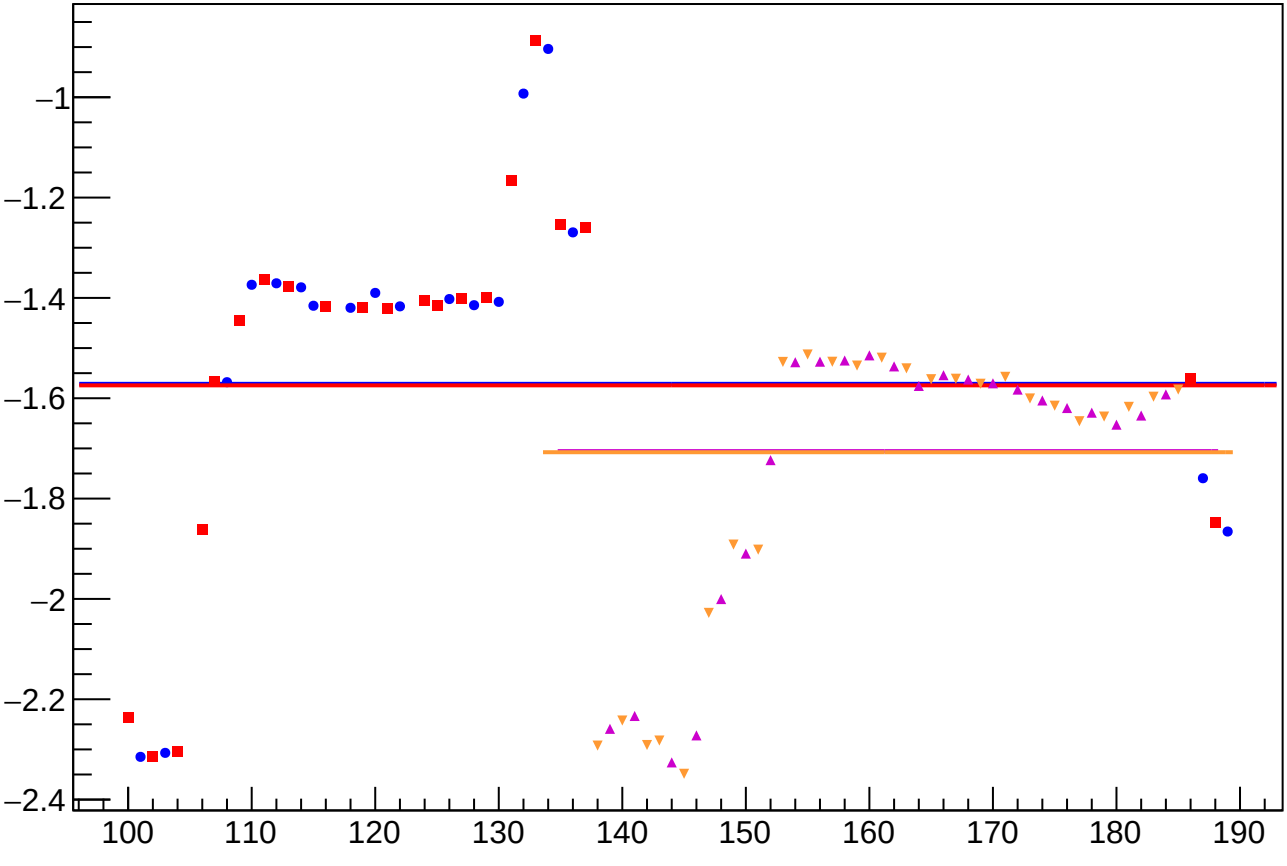
Right: 0.007+/-0.000 χ^2/NDF: 599332.5/38

In: 0.007+/-0.000 χ^2/NDF:615365.8/40

Out: 0.007+/-0.000 χ^2/NDF:761065.2/45

All: 0.007+/-0.000 χ^2/NDF: 1376431.1/86

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.571+/-0.000 χ^2/NDF: 180024653293.5/17

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.574+/-0.000 χ^2/NDF: 182668039700.9/20

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

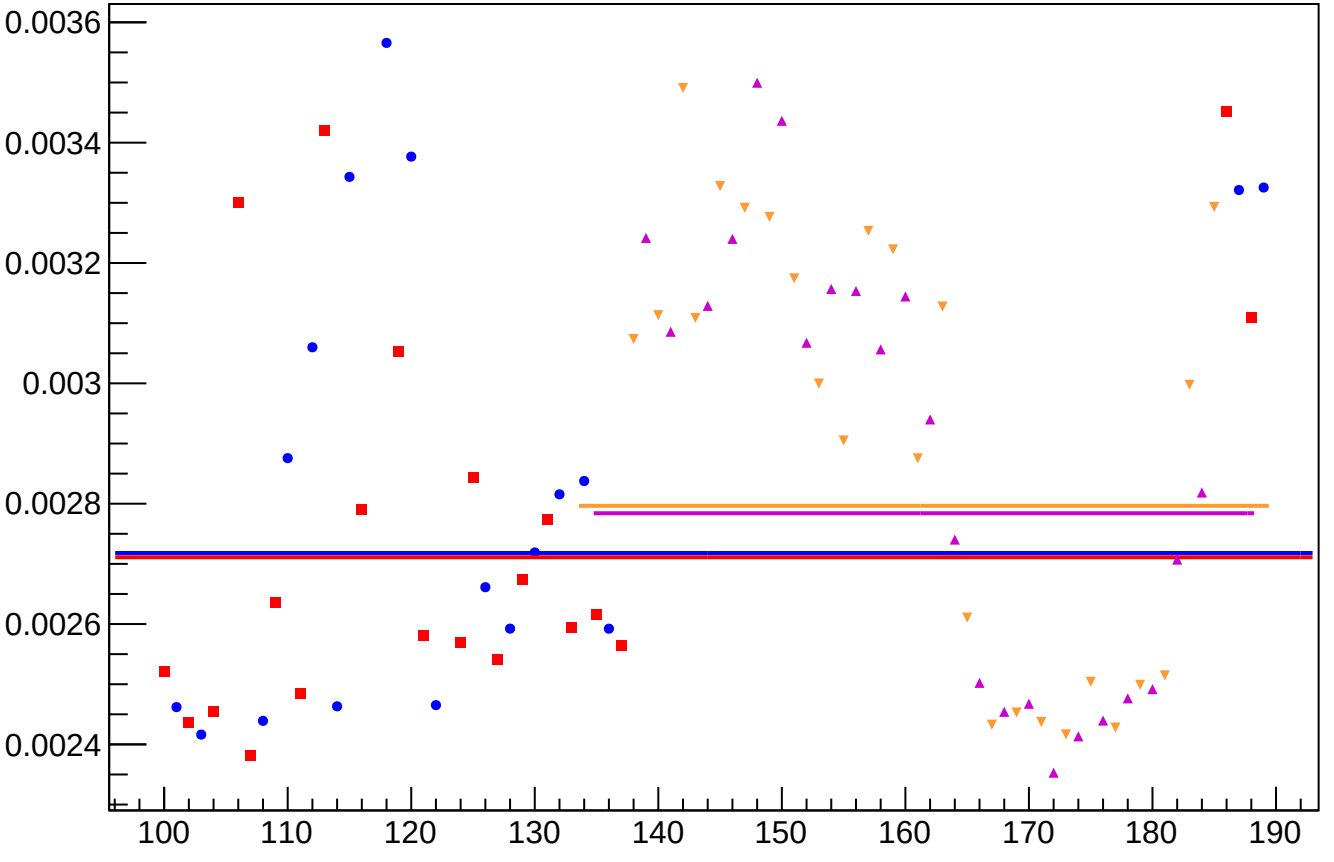
Right: -1.573+/-0.000 χ^2/NDF: 362697496512.3/38

In: -1.664+/-0.000 χ^2/NDF:328910679698.9/40

Out: -1.663+/-0.000 χ^2/NDF:347967707089.4/45

All: -1.664+/-0.000 χ^2/NDF: 676878392167.

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 206172.2/17

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 191418.1/20

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

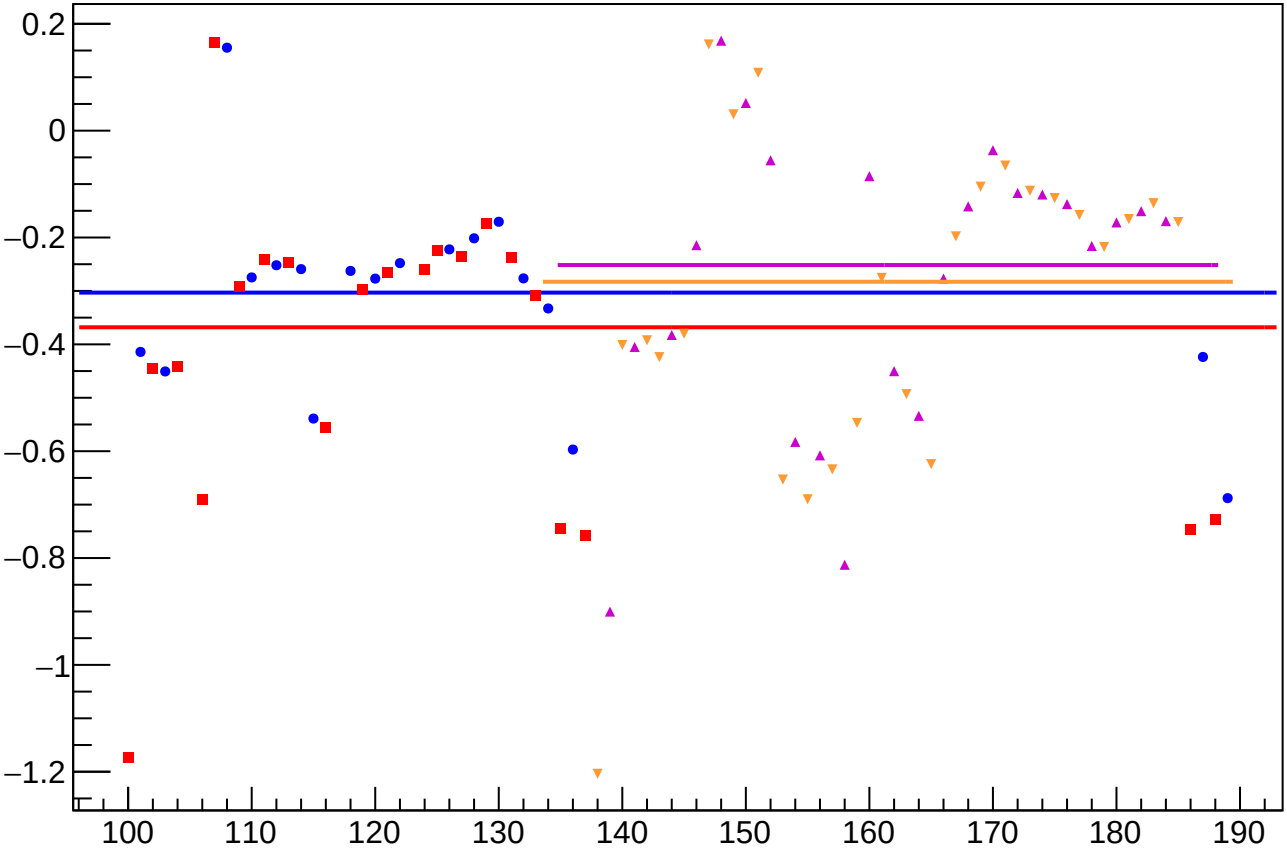
Right: 0.003+/-0.000 χ^2/NDF: 397643.7/38

In: 0.003+/-0.000 χ^2/NDF:769271.6/40

Out: 0.003+/-0.000 χ^2/NDF:750235.6/45

All: 0.003+/-0.000 χ^2/NDF: 1519578.9/86

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.303+/-0.000 χ^2/NDF: 1907396575.9/17

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.368+/-0.000 χ^2/NDF: 3212149364.4/20

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

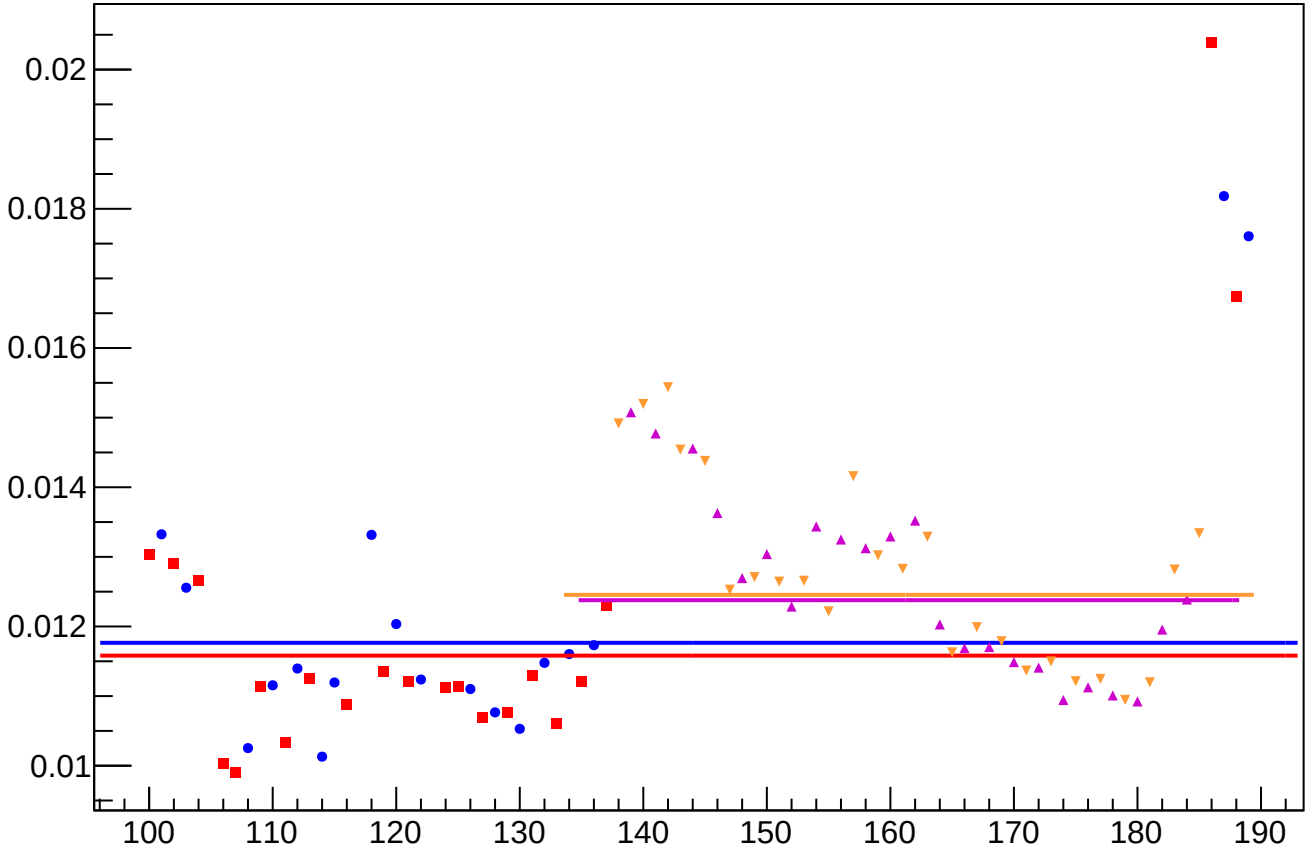
Right: -0.338+/-0.000 χ^2/NDF: 5242003859.0/38

In: -0.268+/-0.000 χ^2/NDF:9172414386.0/40

Out: -0.312+/-0.000 χ^2/NDF:12852475340.3/45

All: -0.291+/-0.000 χ^2/NDF: 22193717756.4/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 246349.2/17

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 408872.6/20

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

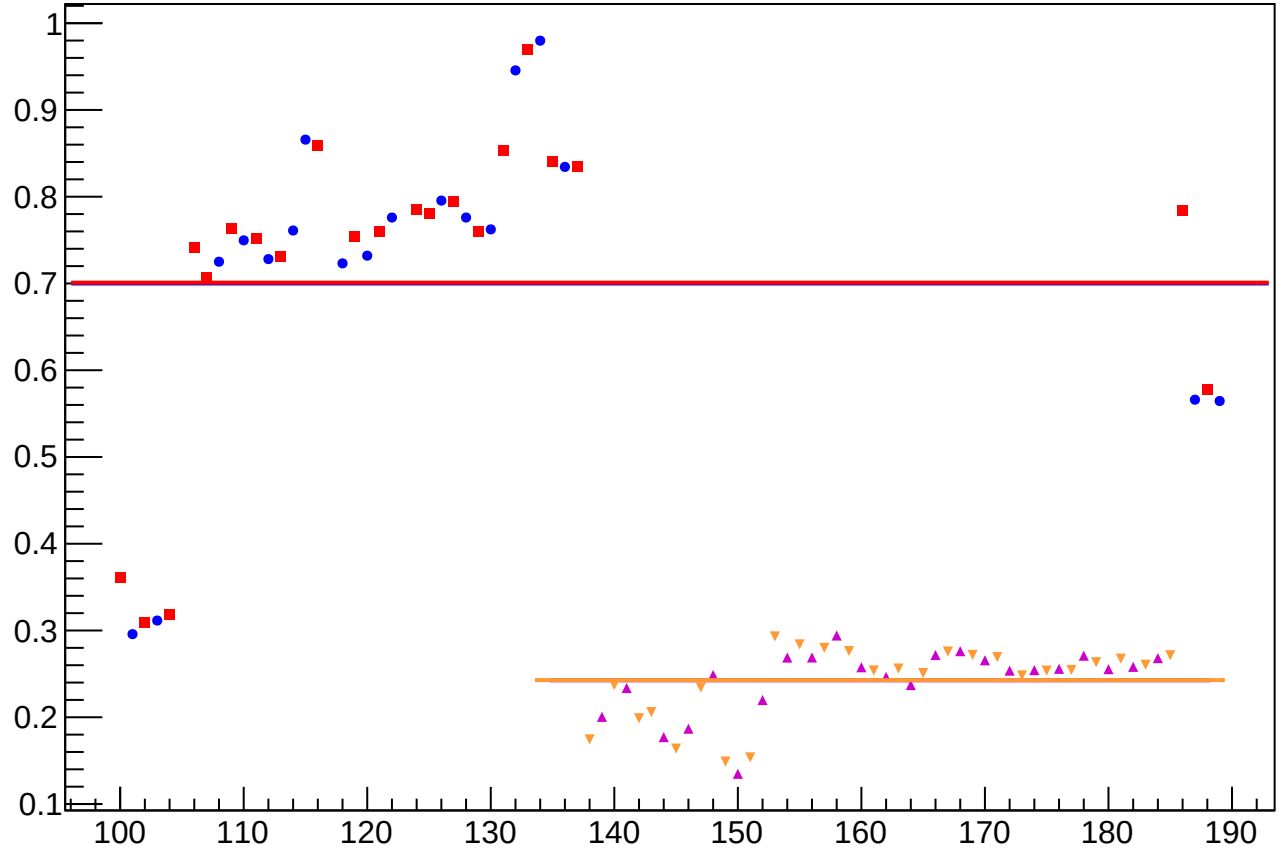
Right: 0.012+/-0.000 χ^2/NDF: 657192.2/38

In: 0.012+/-0.000 χ^2/NDF:600739.9/40

Out: 0.012+/-0.000 χ^2/NDF:812555.3/45

All: 0.012+/-0.000 χ^2/NDF: 1413427.9/86

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.700+/-0.000 χ^2/NDF: 50495106280.5/17

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.701+/-0.000 χ^2/NDF: 46559523575.8/20

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

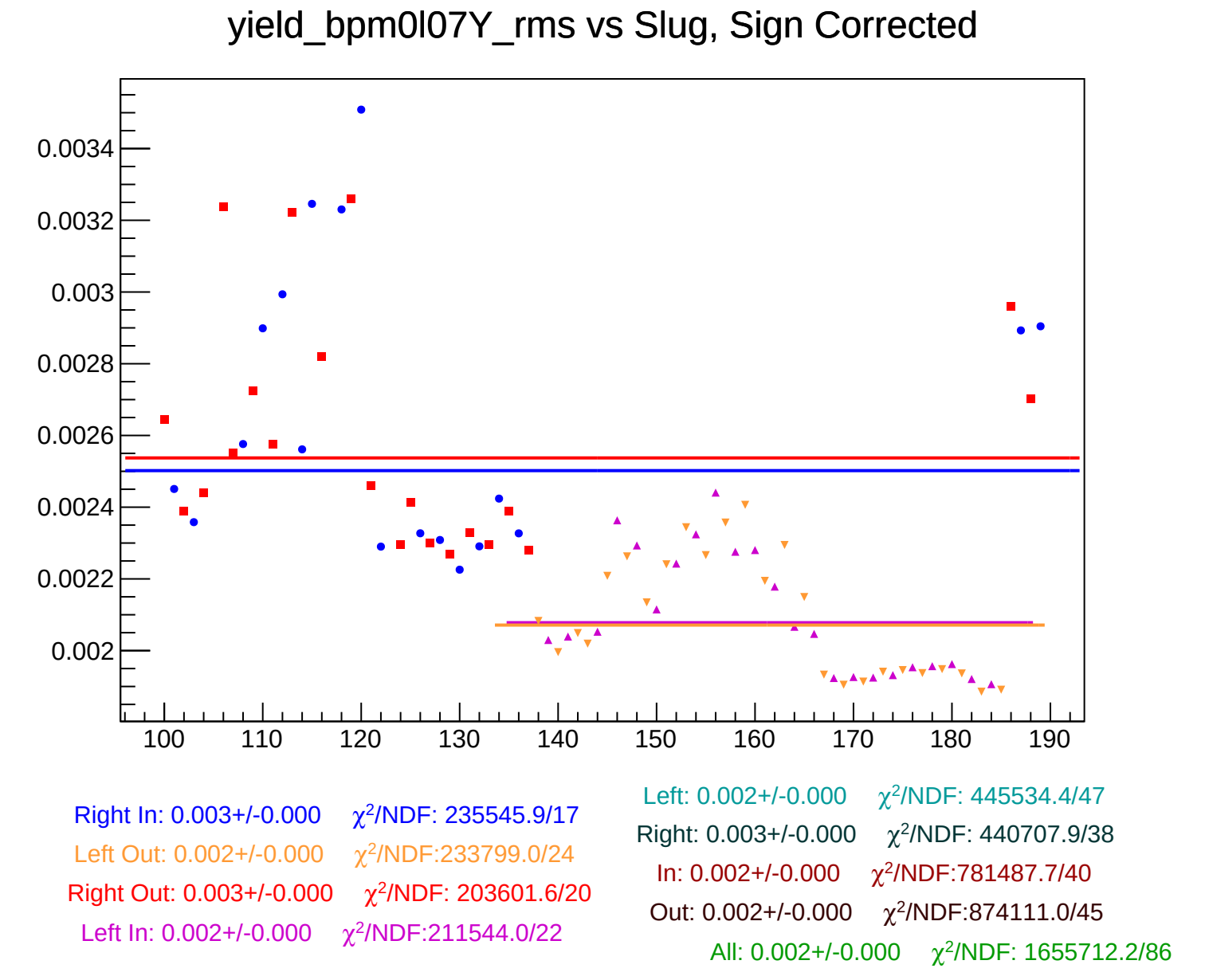
Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

Right: 0.700+/-0.000 χ^2/NDF: 97055183241.7/38

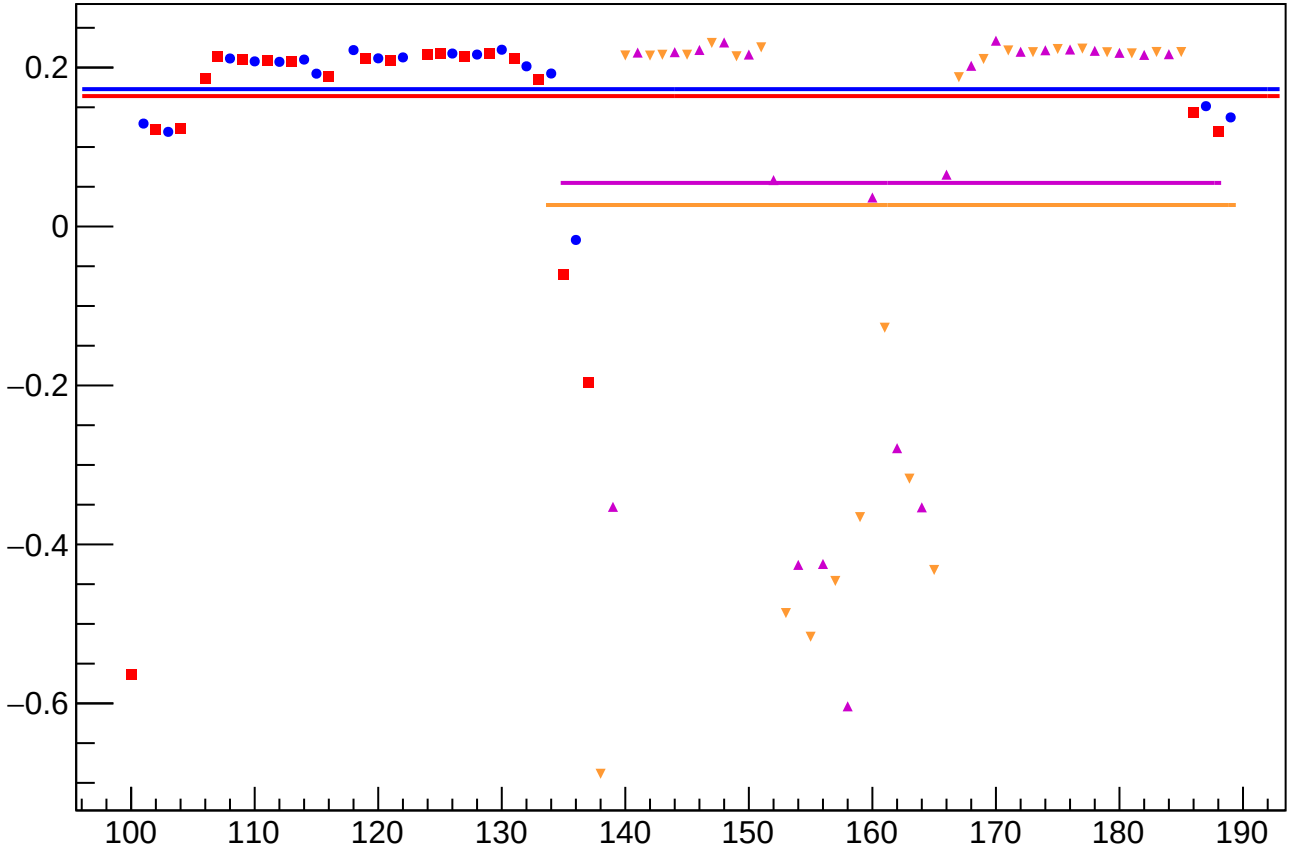
In: 0.344+/-0.000 χ^2/NDF:250818294082.2/40

Out: 0.346+/-0.000 χ^2/NDF:264789446883.1/45

All: 0.345+/-0.000 χ^2/NDF: 515621033358.6


yield_bpm0l07Y_rms vs Slug, Sign Corrected
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 235545.9/17
Left Out: 0.002+/-0.000 χ²/NDF:233799.0/24
Right Out: 0.003+/-0.000 χ²/NDF: 203601.6/20
Left In: 0.002+/-0.000 χ²/NDF:211544.0/22
Left: 0.002+/-0.000 χ²/NDF: 445534.4/47
Right: 0.003+/-0.000 χ²/NDF: 440707.9/38
In: 0.002+/-0.000 χ²/NDF:781487.7/40
Out: 0.002+/-0.000 χ²/NDF:874111.0/45
All: 0.002+/-0.000 χ²/NDF: 1655712.2/86

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.173+/-0.000 χ^2/NDF: 404913960.7/17

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.164+/-0.000 χ^2/NDF: 903521294.5/20

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

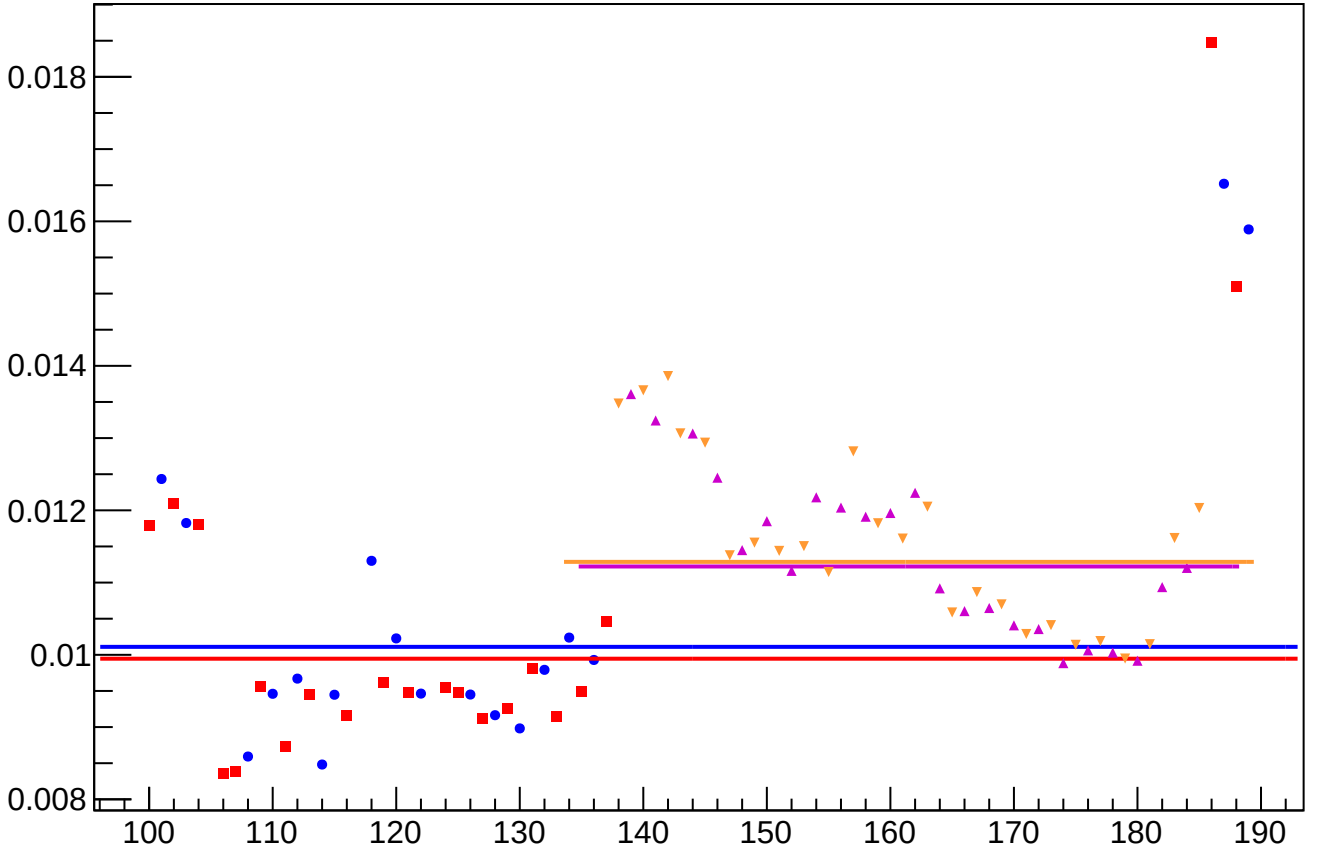
Right: 0.168+/-0.000 χ^2/NDF: 1311416955.1/38

In: 0.096+/-0.000 χ^2/NDF:10772136822.8/40

Out: 0.078+/-0.000 χ^2/NDF:14874149144.7/45

All: 0.086+/-0.000 χ^2/NDF: 25681939166.4/8

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 342916.4/17

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 536967.6/20

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

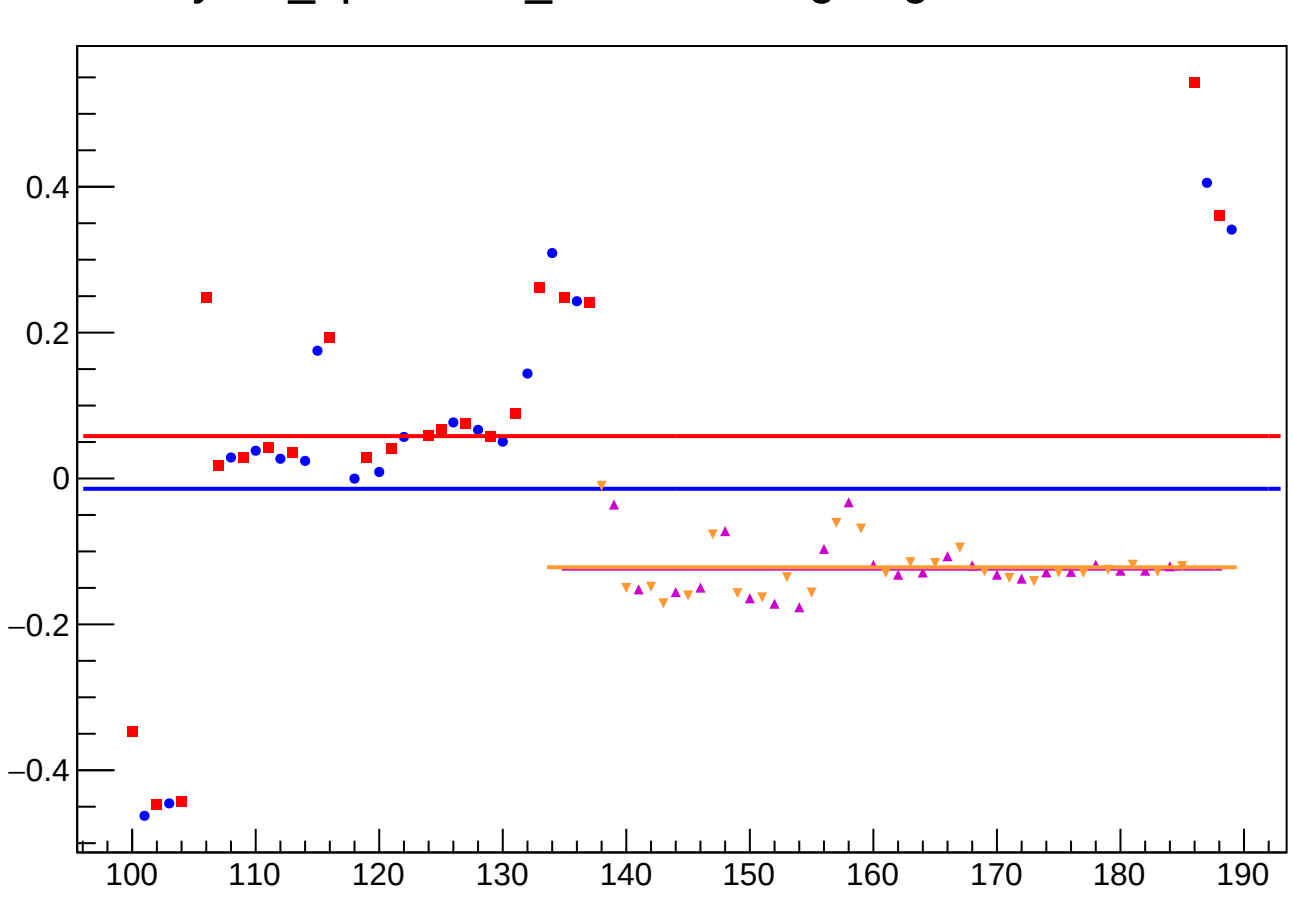
Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

Right: 0.010+/-0.000 χ^2/NDF: 881982.8/38

In: 0.011+/-0.000 χ^2/NDF:776059.8/40

Out: 0.011+/-0.000 χ^2/NDF:1055690.8/45

All: 0.011+/-0.000 χ^2/NDF: 1832208.0/86



Right In: -0.014+/-0.000 χ^2/NDF: 29584999524.1/17

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.058+/-0.000 χ^2/NDF: 37117073623.4/20

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

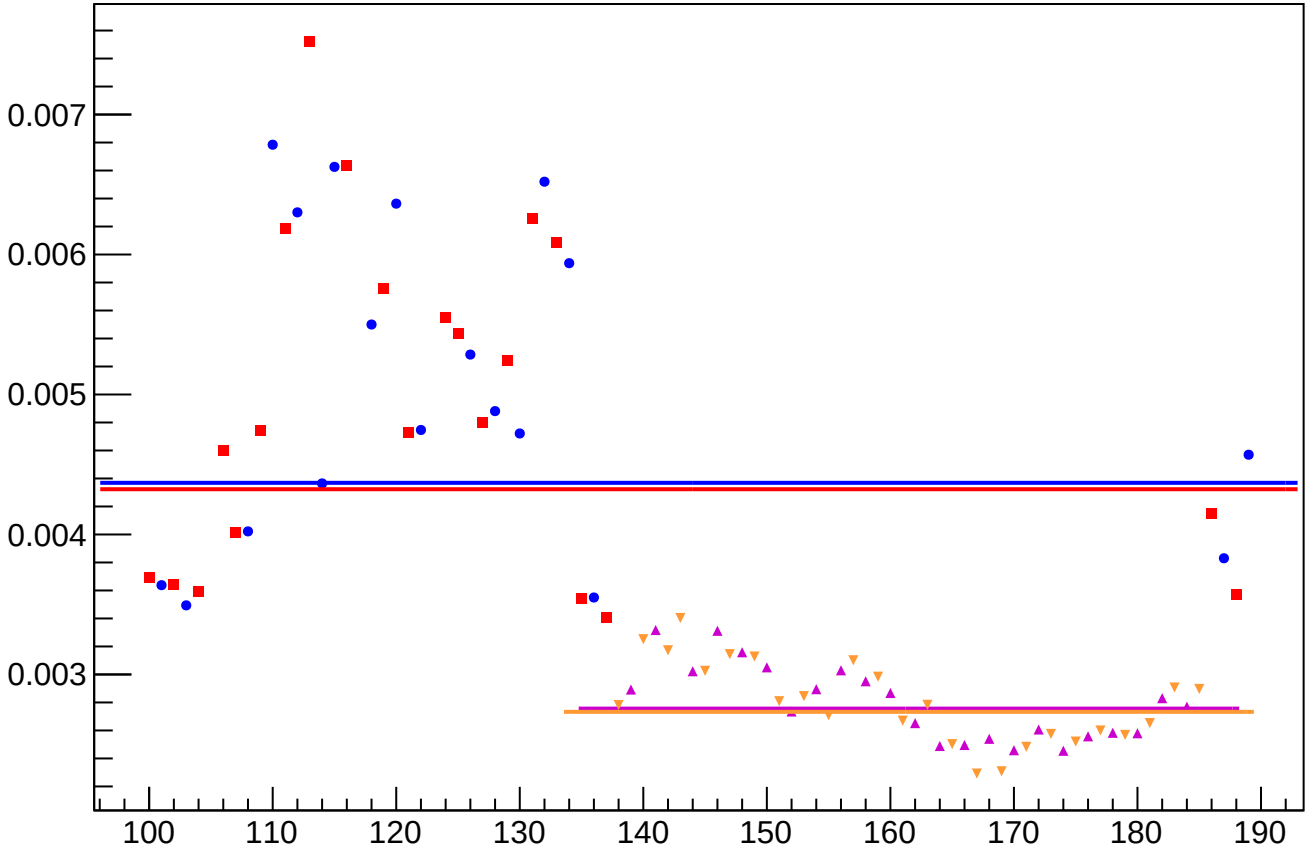
Right: 0.025+/-0.000 χ^2/NDF: 67691311690.6/38

In: -0.109+/-0.000 χ^2/NDF:36074751745.0/40

Out: -0.096+/-0.000 χ^2/NDF:51355000239.4/45

All: -0.102+/-0.000 χ^2/NDF: 87654811731.0/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 668540.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 808154.0/20

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

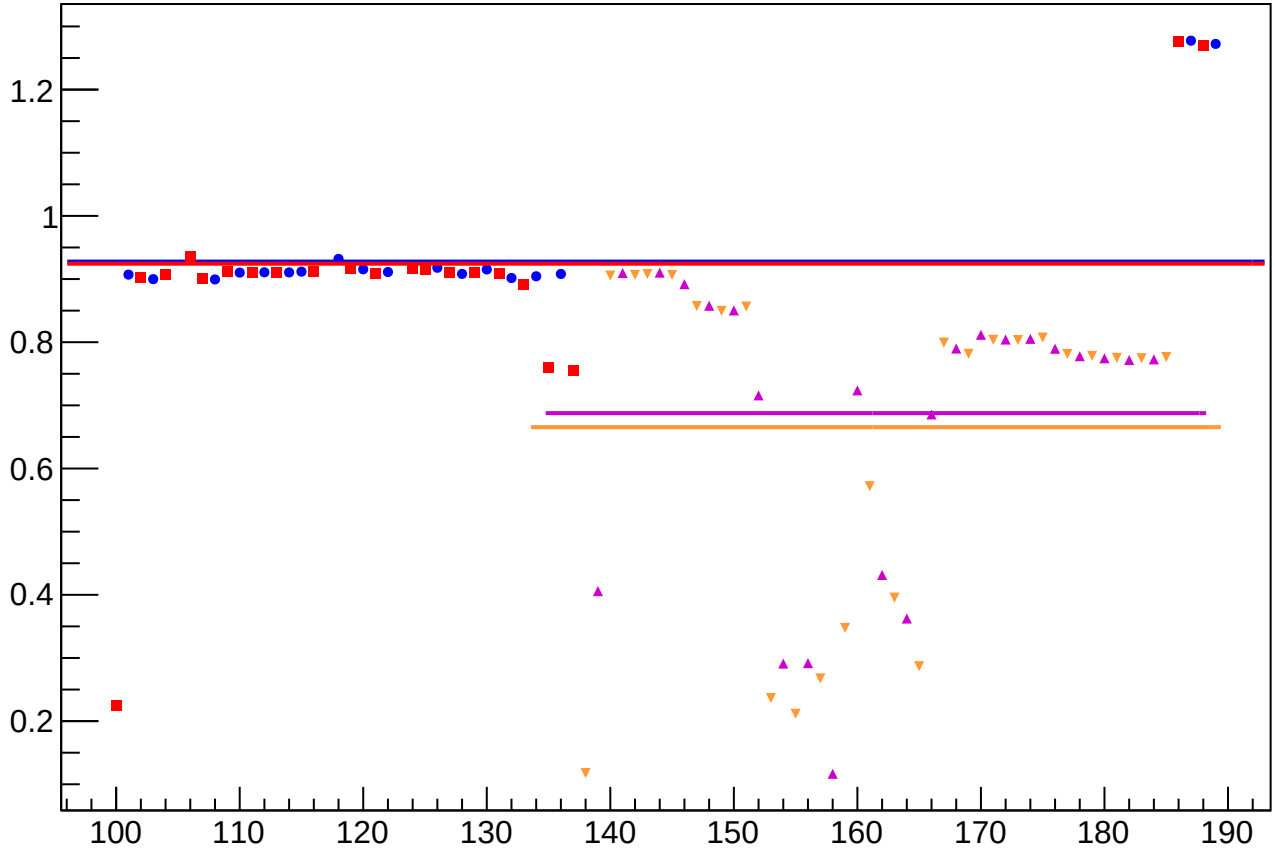
Right: 0.004+/-0.000 χ^2/NDF: 1477487.2/38

In: 0.003+/-0.000 χ^2/NDF:2557938.3/40

Out: 0.003+/-0.000 χ^2/NDF:2969642.9/45

All: 0.003+/-0.000 χ^2/NDF: 5528071.4/86

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.928+/-0.000 χ^2/NDF: 372803503.8/17

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.924+/-0.000 χ^2/NDF: 1083729382.6/20

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

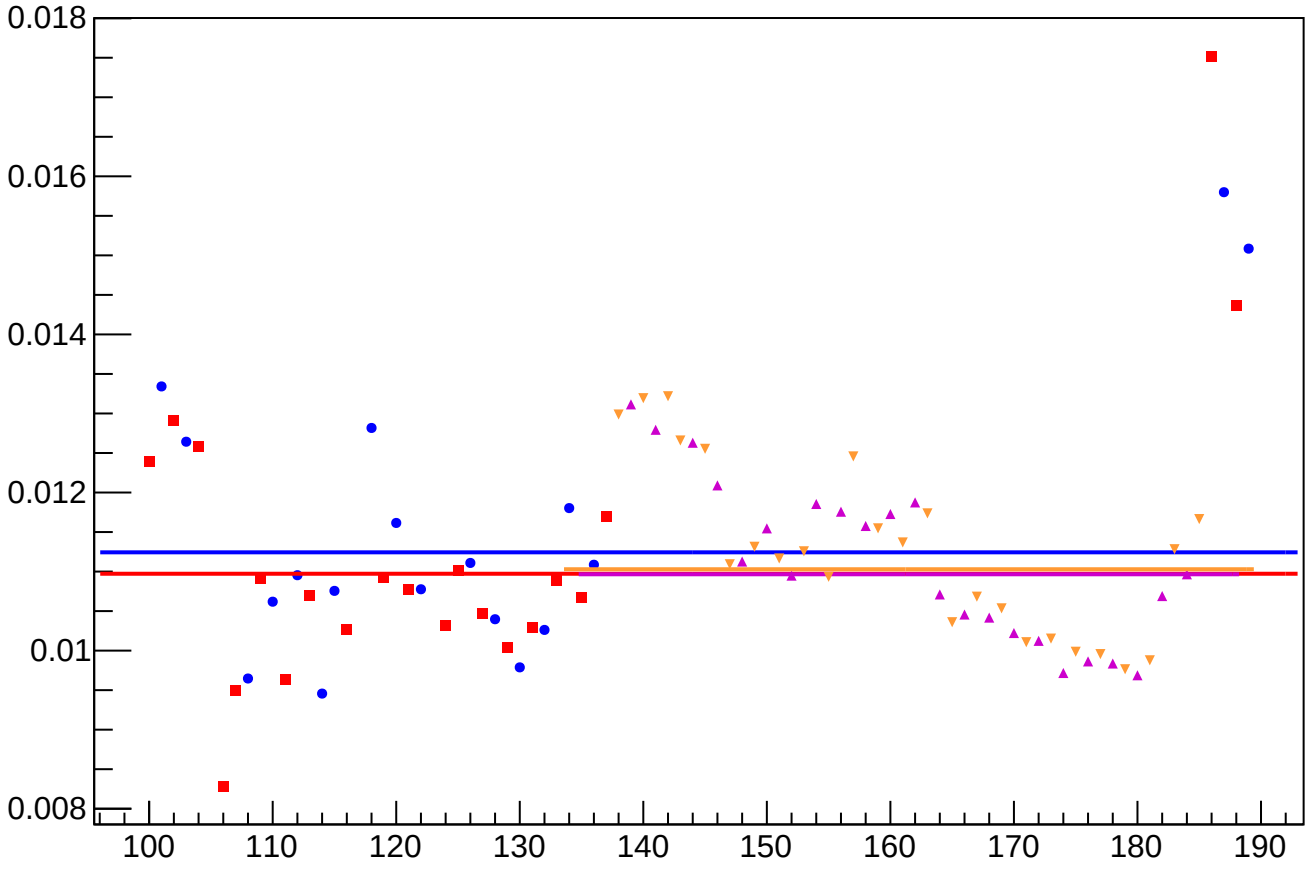
Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

Right: 0.926+/-0.000 χ^2/NDF: 1456899352.4/38

In: 0.757+/-0.000 χ^2/NDF:9797375889.6/40

Out: 0.747+/-0.000 χ^2/NDF:13497242074.5/45

All: 0.752+/-0.000 χ^2/NDF: 23305585345.2/8



Right In: 0.011+/-0.000 χ^2/NDF: 230204.1/17

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 369643.5/20

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

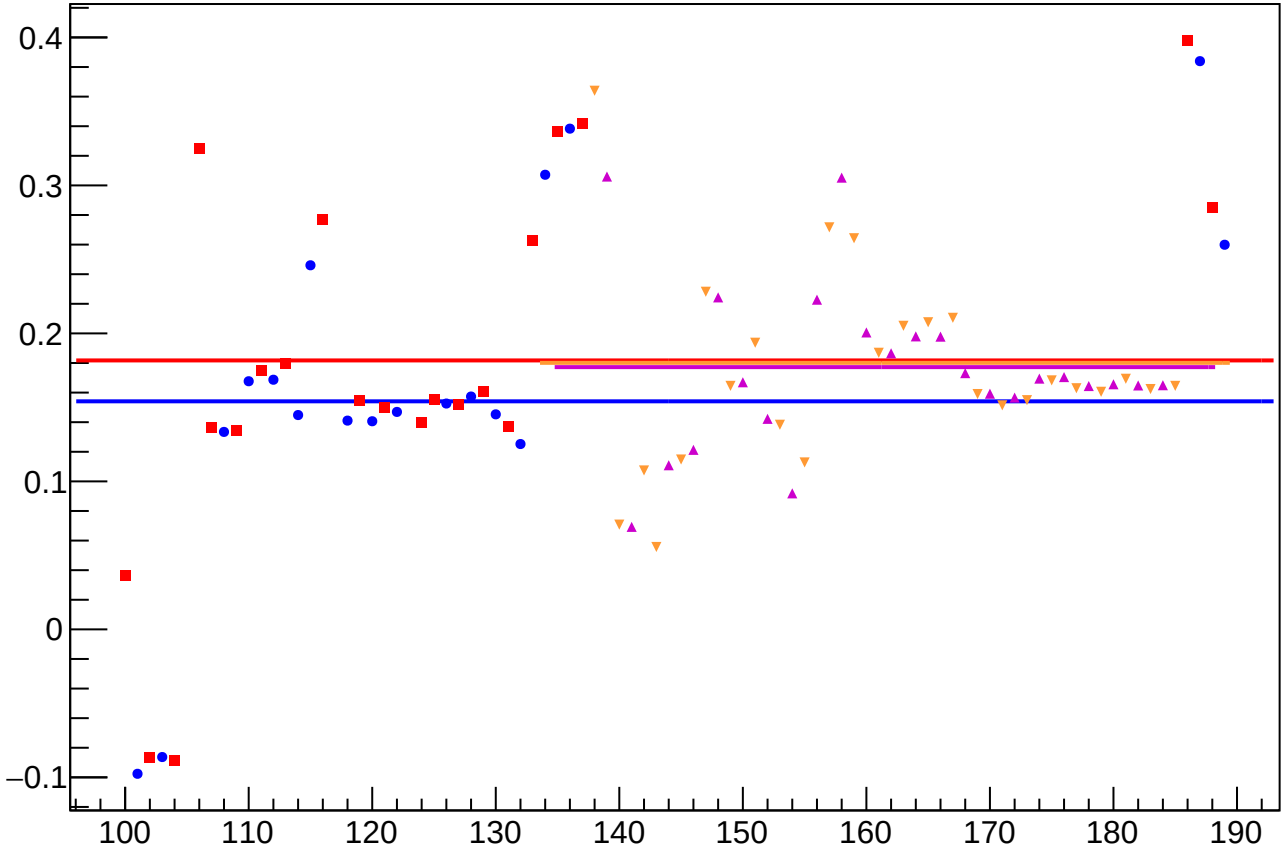
Right: 0.011+/-0.000 χ^2/NDF: 604556.2/38

In: 0.011+/-0.000 χ^2/NDF:524350.3/40

Out: 0.011+/-0.000 χ^2/NDF:669399.1/45

All: 0.011+/-0.000 χ^2/NDF: 1194006.7/86

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.154+/-0.000 χ^2/NDF: 8467047569.1/17

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.182+/-0.000 χ^2/NDF: 8894399947.0/20

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

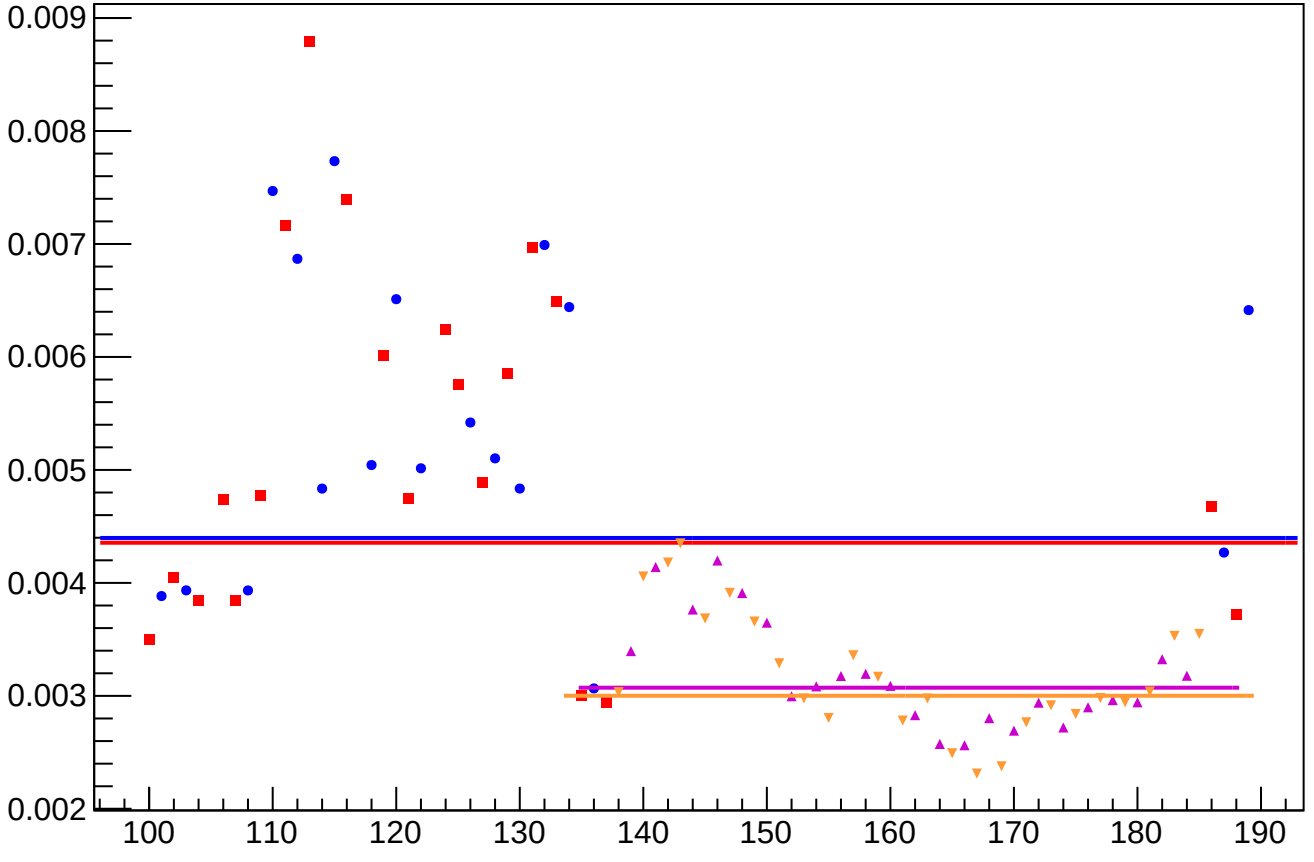
Right: 0.169+/-0.000 χ^2/NDF: 17494866776.1/38

In: 0.174+/-0.000 χ^2/NDF:13235420755.7/40

Out: 0.180+/-0.000 χ^2/NDF:15344081855.5/45

All: 0.177+/-0.000 χ^2/NDF: 28630037092.0/8

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 981670.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1145617.8/20

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

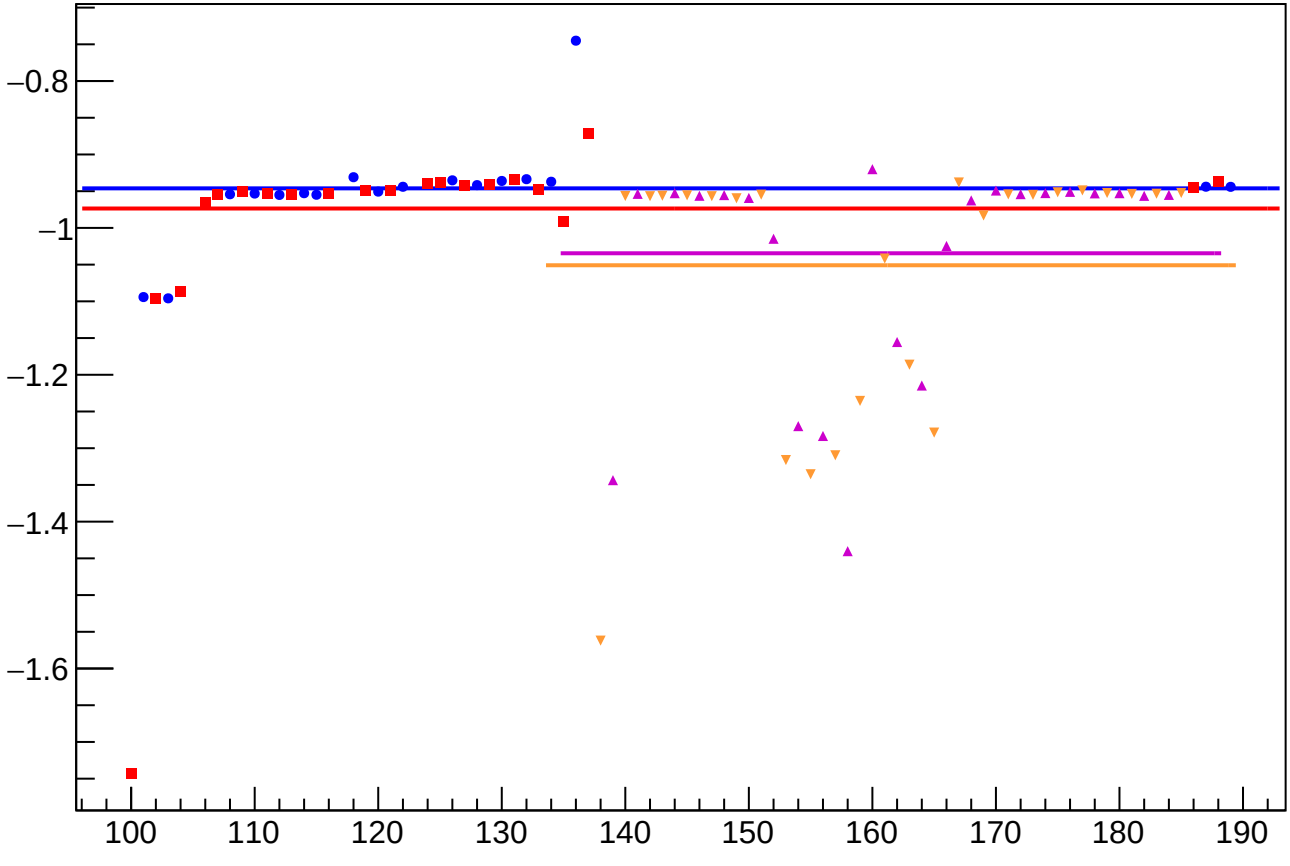
Right: 0.004+/-0.000 χ^2/NDF: 2127911.4/38

In: 0.003+/-0.000 χ^2/NDF:2539290.2/40

Out: 0.003+/-0.000 χ^2/NDF:3189177.3/45

All: 0.003+/-0.000 χ^2/NDF: 5736487.9/86

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404527524.0/17

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.974+/-0.000 χ^2/NDF: 471779079.9/20

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

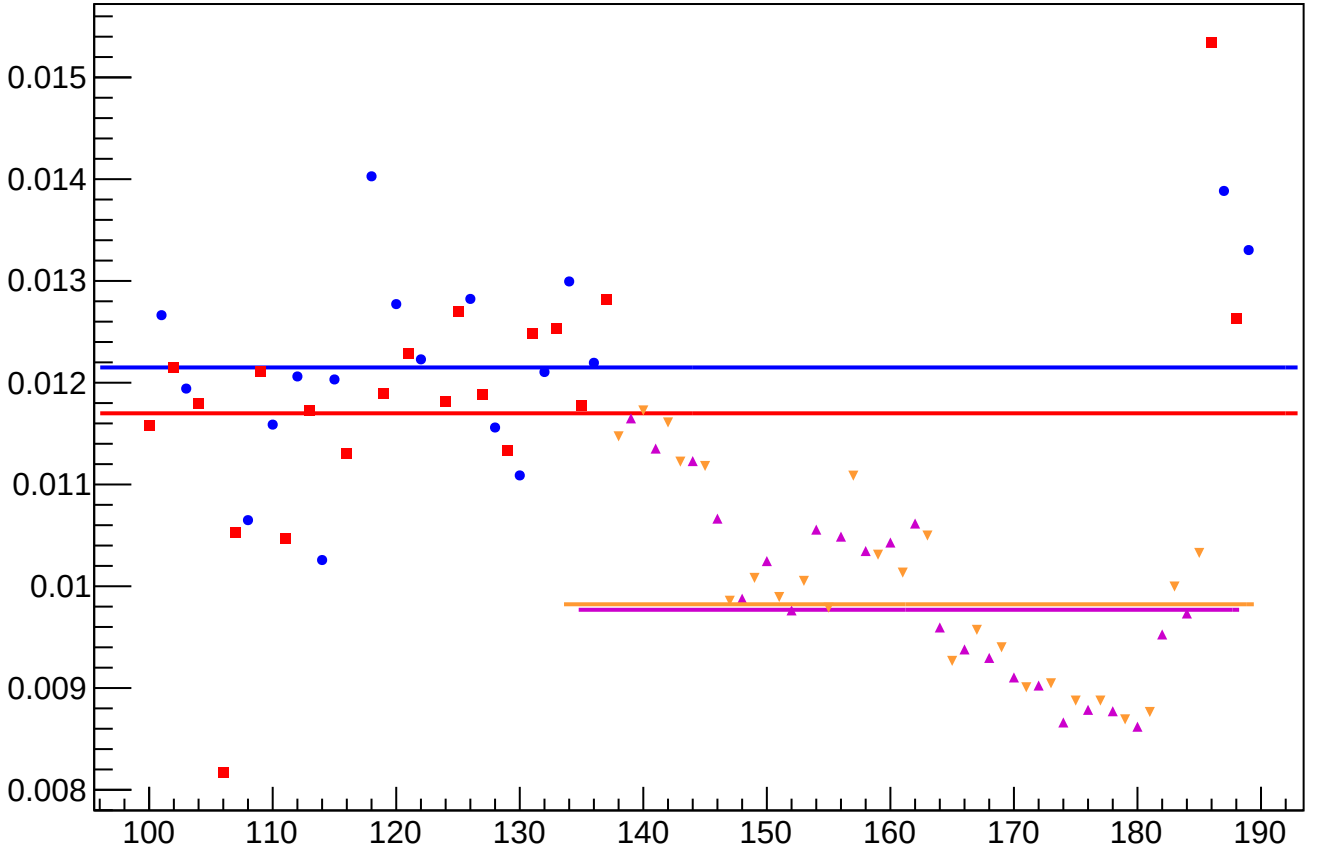
Right: -0.961+/-0.000 χ^2/NDF: 897356456.4/38

In: -1.015+/-0.000 χ^2/NDF:4642785059.5/40

Out: -1.032+/-0.000 χ^2/NDF:5832524371.9/45

All: -1.024+/-0.000 χ^2/NDF: 10509496925.7/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 76512.3/17

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 207978.6/20

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

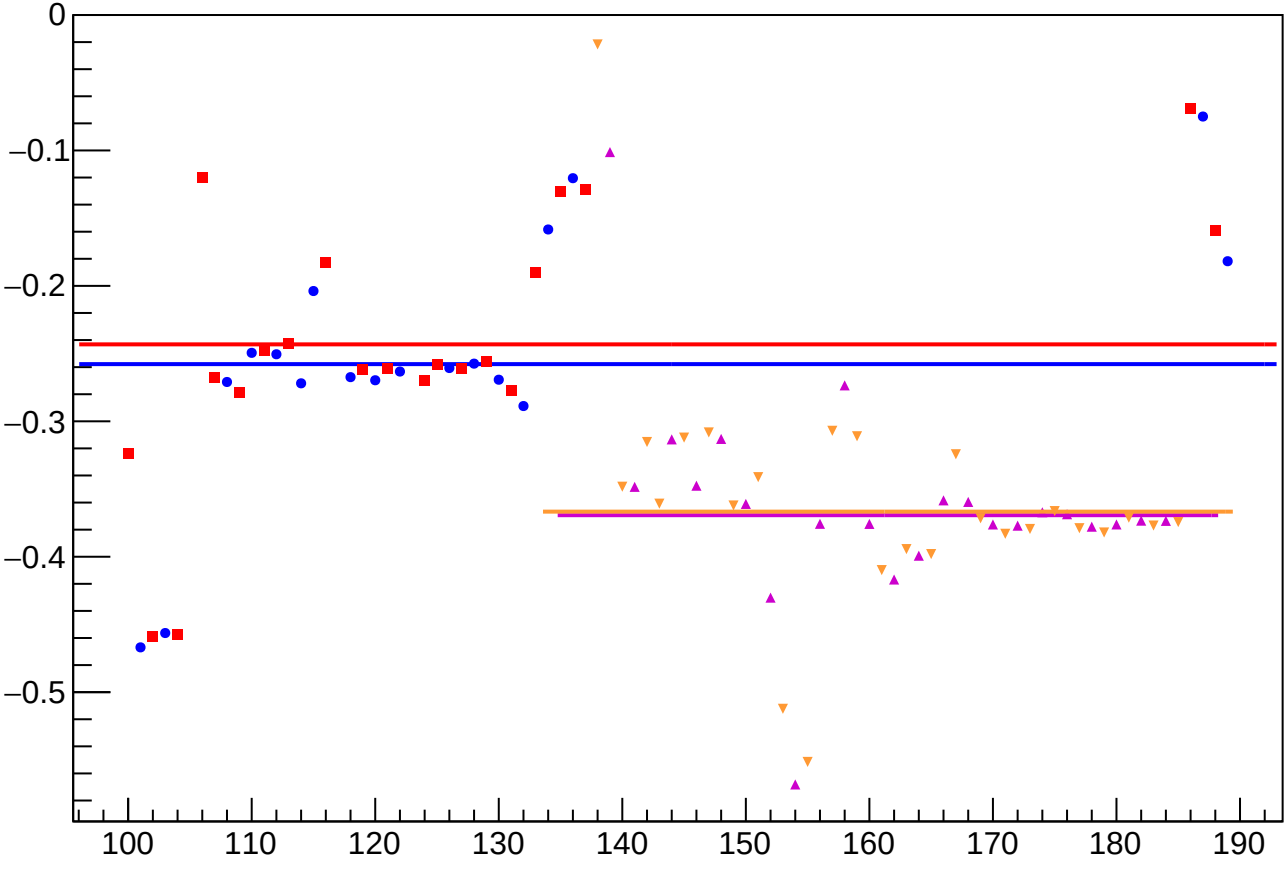
Right: 0.012+/-0.000 χ^2/NDF: 295841.8/38

In: 0.010+/-0.000 χ^2/NDF:811825.8/40

Out: 0.010+/-0.000 χ^2/NDF:830442.7/45

All: 0.010+/-0.000 χ^2/NDF: 1642281.3/86

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.258+/-0.000 χ^2/NDF: 6484425062.8/17

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.243+/-0.000 χ^2/NDF: 6350521300.4/20

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

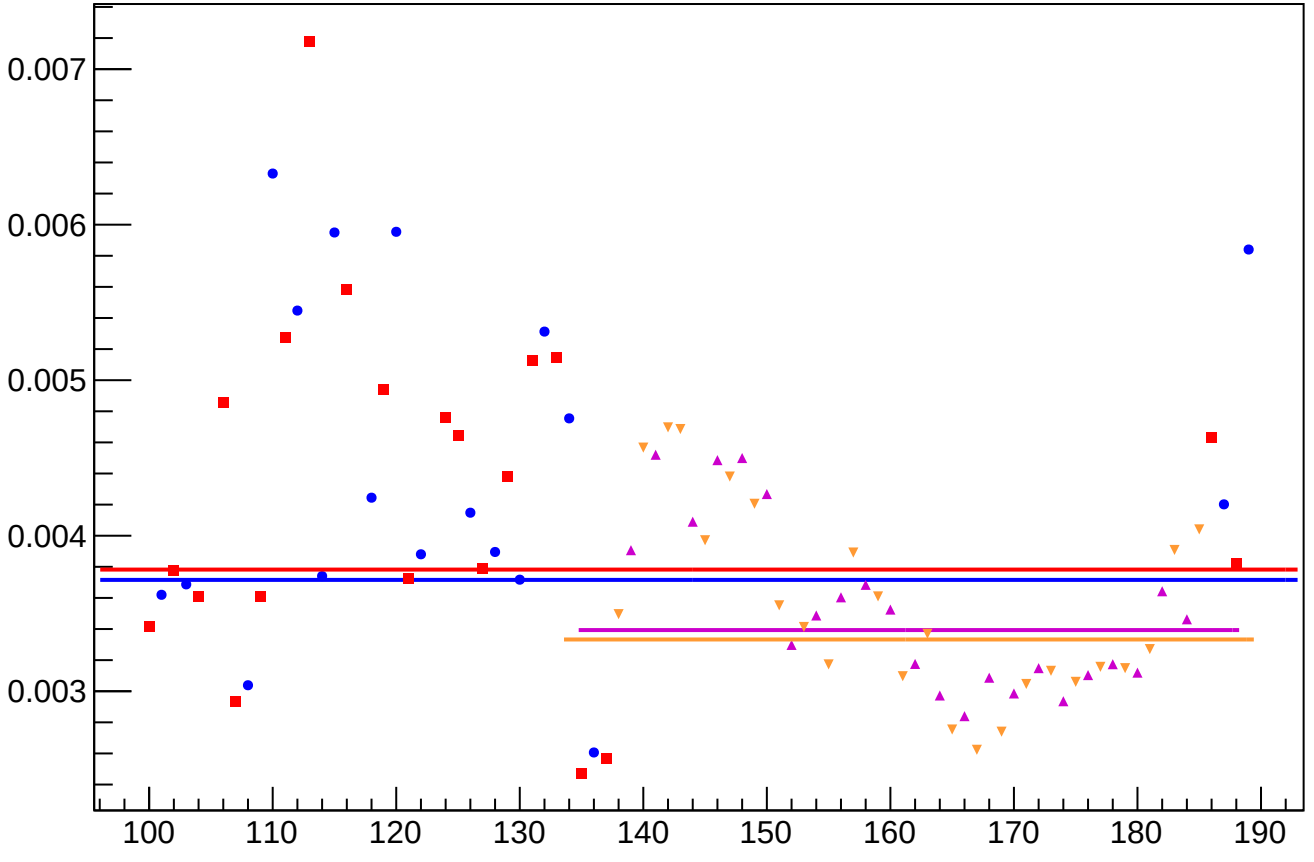
Right: -0.250+/-0.000 χ^2/NDF: 12886266051.5/38

In: -0.342+/-0.000 χ^2/NDF:18400942260.2/40

Out: -0.337+/-0.000 χ^2/NDF:24147557374.6/45

All: -0.339+/-0.000 χ^2/NDF: 42580191082.6/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 870739.9/17

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 921004.0/20

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

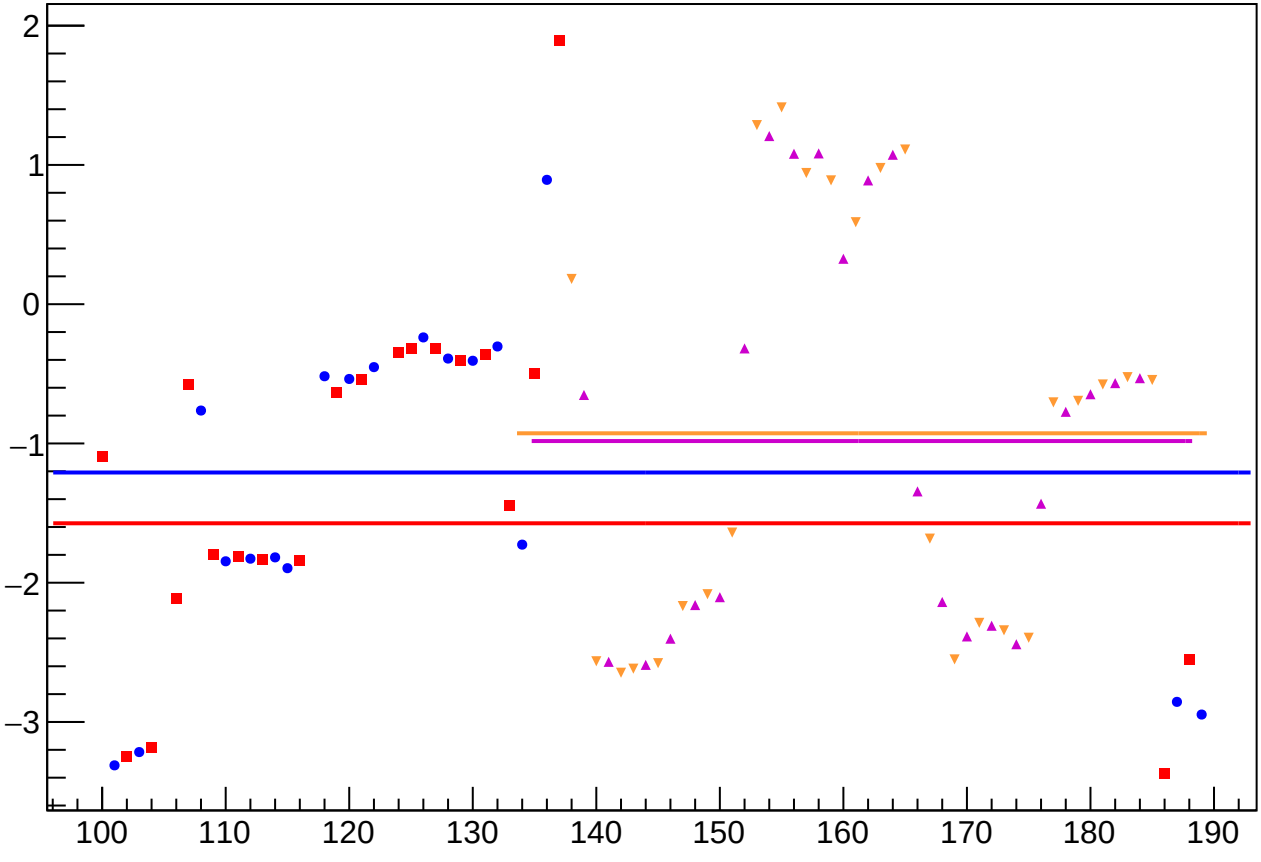
Right: 0.004+/-0.000 χ^2/NDF: 1793864.4/38

In: 0.003+/-0.000 χ^2/NDF:1576866.0/40

Out: 0.003+/-0.000 χ^2/NDF:1933713.0/45

All: 0.003+/-0.000 χ^2/NDF: 3512300.6/86

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.209+/-0.000 χ^2/NDF: 2756002771.5/17

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.573+/-0.000 χ^2/NDF: 2448783328.4/20

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

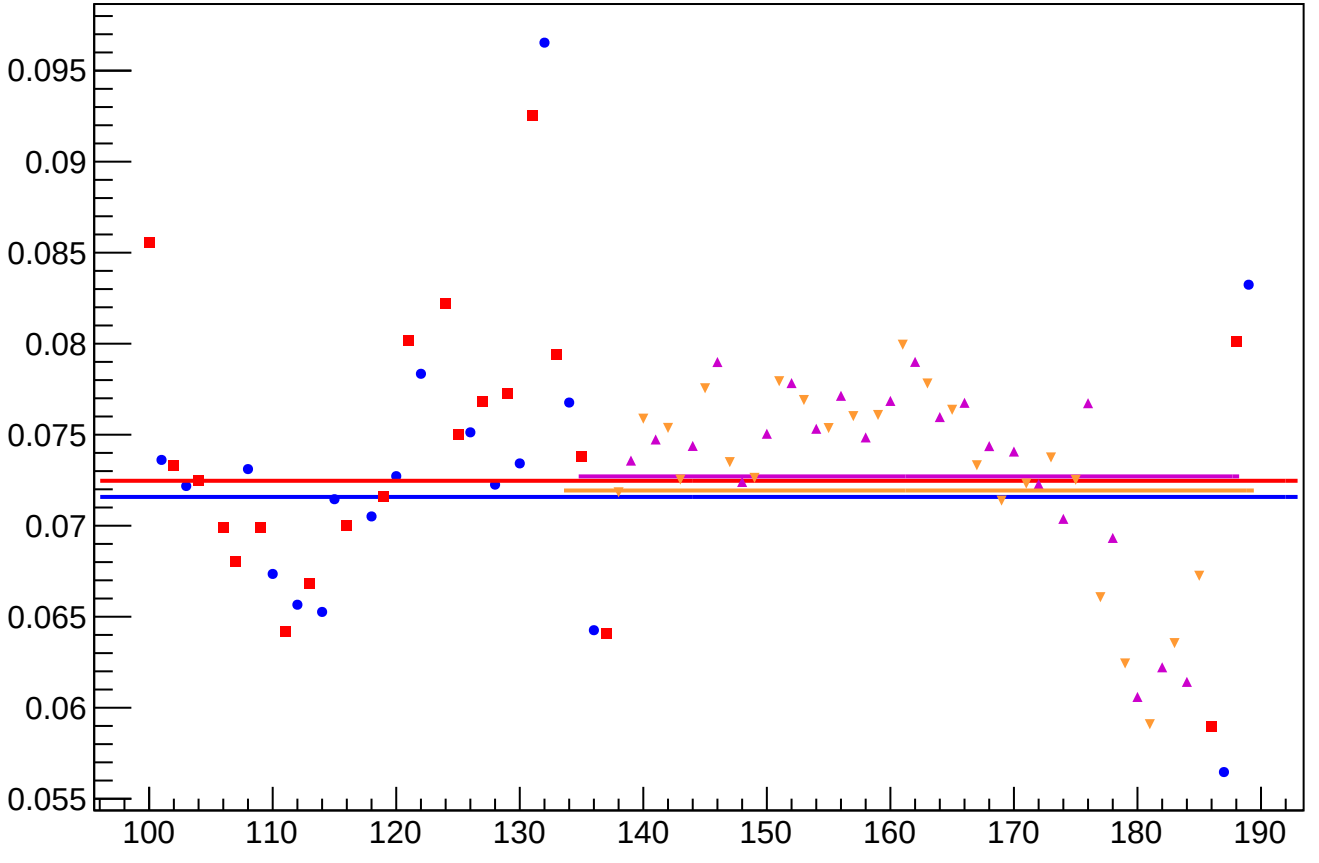
Right: -1.399+/-0.000 χ^2/NDF: 5308718073.6/38

In: -1.052+/-0.000 χ^2/NDF:8727958628.6/40

Out: -1.126+/-0.000 χ^2/NDF:10169359746.1/45

All: -1.091+/-0.000 χ^2/NDF: 18911308521.3/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 146586.4/17

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.072+/-0.000 χ^2/NDF: 156186.2/20

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

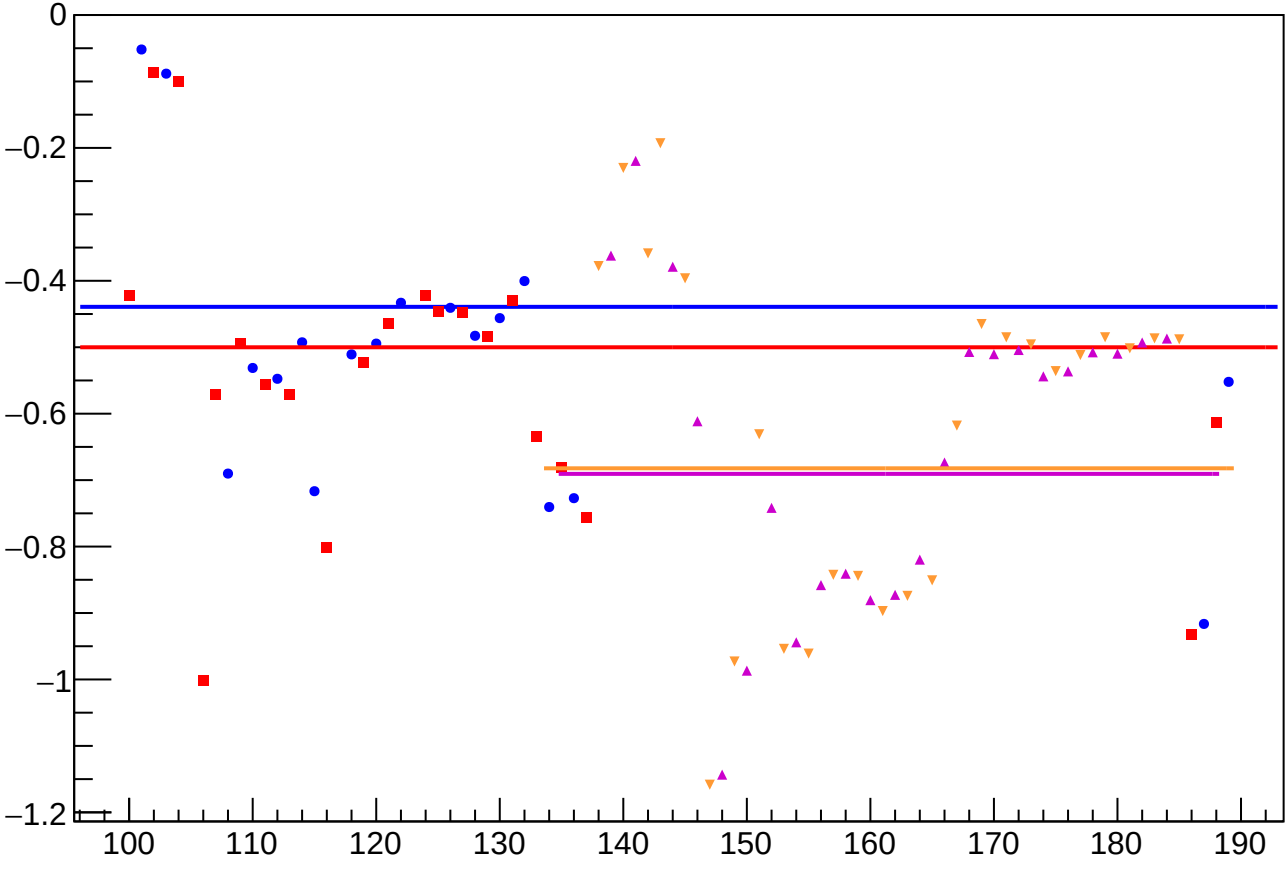
Right: 0.072+/-0.000 χ^2/NDF: 304002.3/38

In: 0.072+/-0.000 χ^2/NDF:346239.9/40

Out: 0.072+/-0.000 χ^2/NDF:392364.4/45

All: 0.072+/-0.000 χ^2/NDF: 738959.5/86

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.439+/-0.000 χ^2/NDF: 3457356432.7/17

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.500+/-0.000 χ^2/NDF: 4205179341.5/20

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

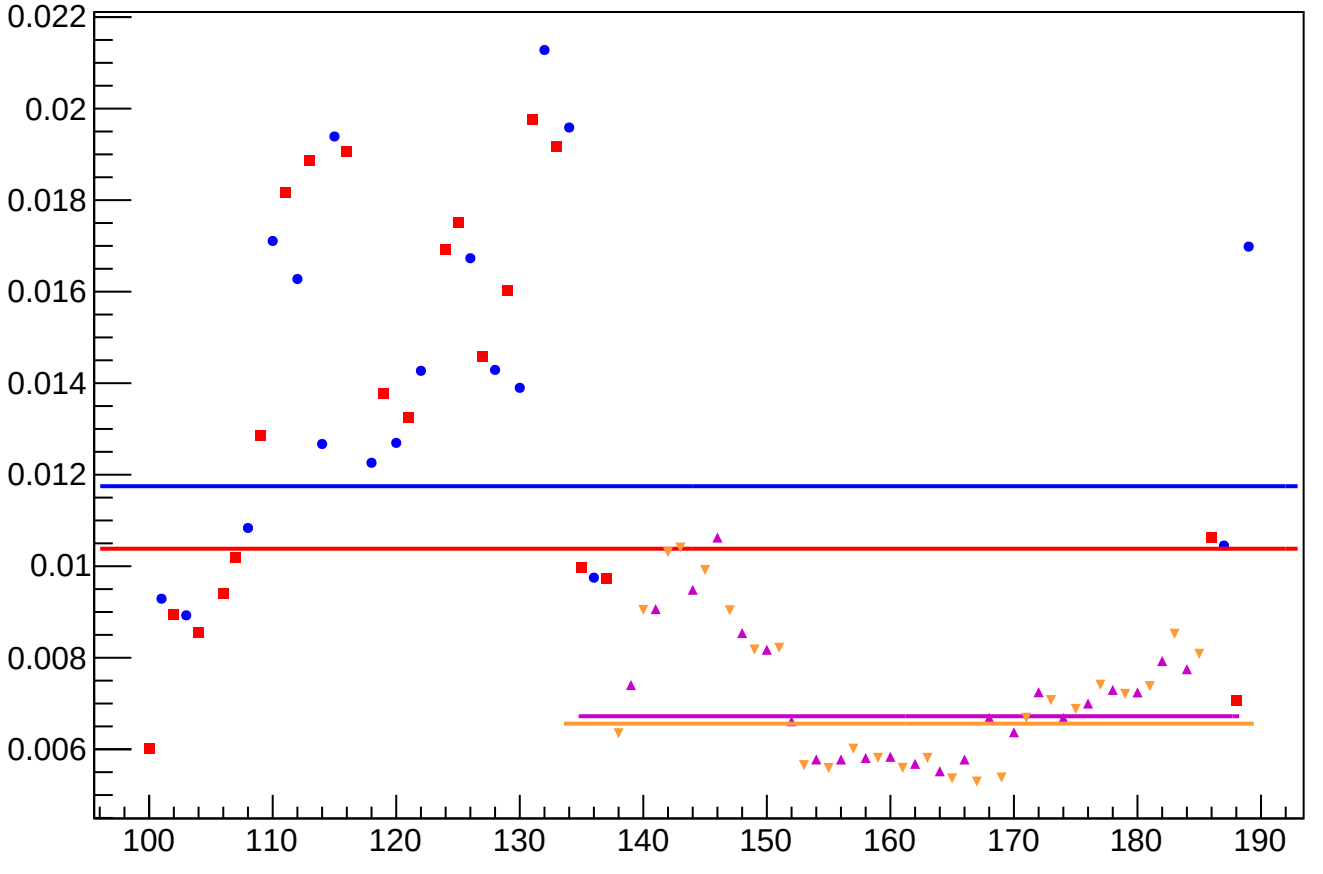
Right: -0.474+/-0.000 χ^2/NDF: 7763820435.2/38

In: -0.662+/-0.000 χ^2/NDF:22991304134.8/40

Out: -0.657+/-0.000 χ^2/NDF:27868102584.5/45

All: -0.660+/-0.000 χ^2/NDF: 50863712169.8/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 888429.8/17

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1618917.9/20

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

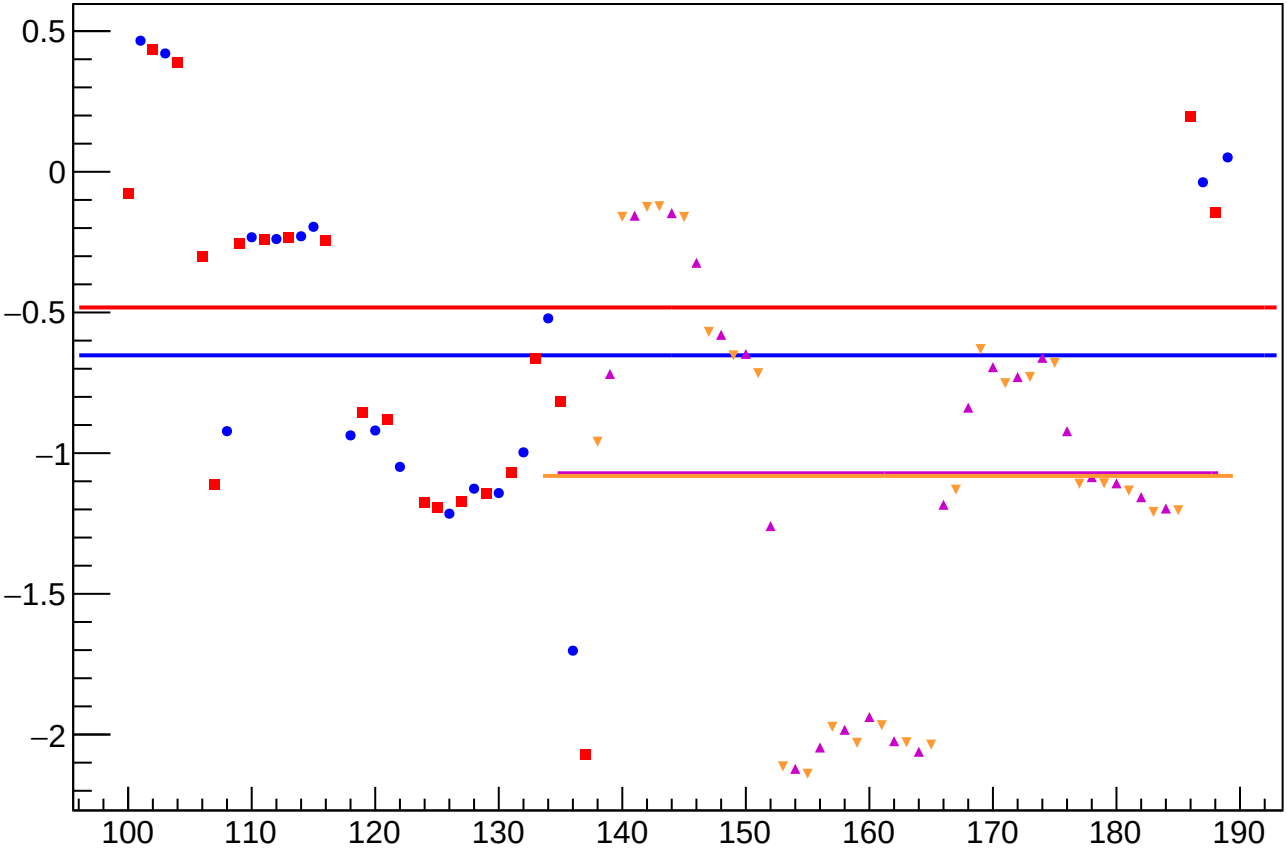
Right: 0.011+/-0.000 χ^2/NDF: 2609359.4/38

In: 0.007+/-0.000 χ^2/NDF:3981006.5/40

Out: 0.007+/-0.000 χ^2/NDF:4643272.7/45

All: 0.007+/-0.000 χ^2/NDF: 8645023.6/86

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.652+/-0.000 χ^2/NDF: 482460934.4/17

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.482+/-0.000 χ^2/NDF: 406376742.1/20

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

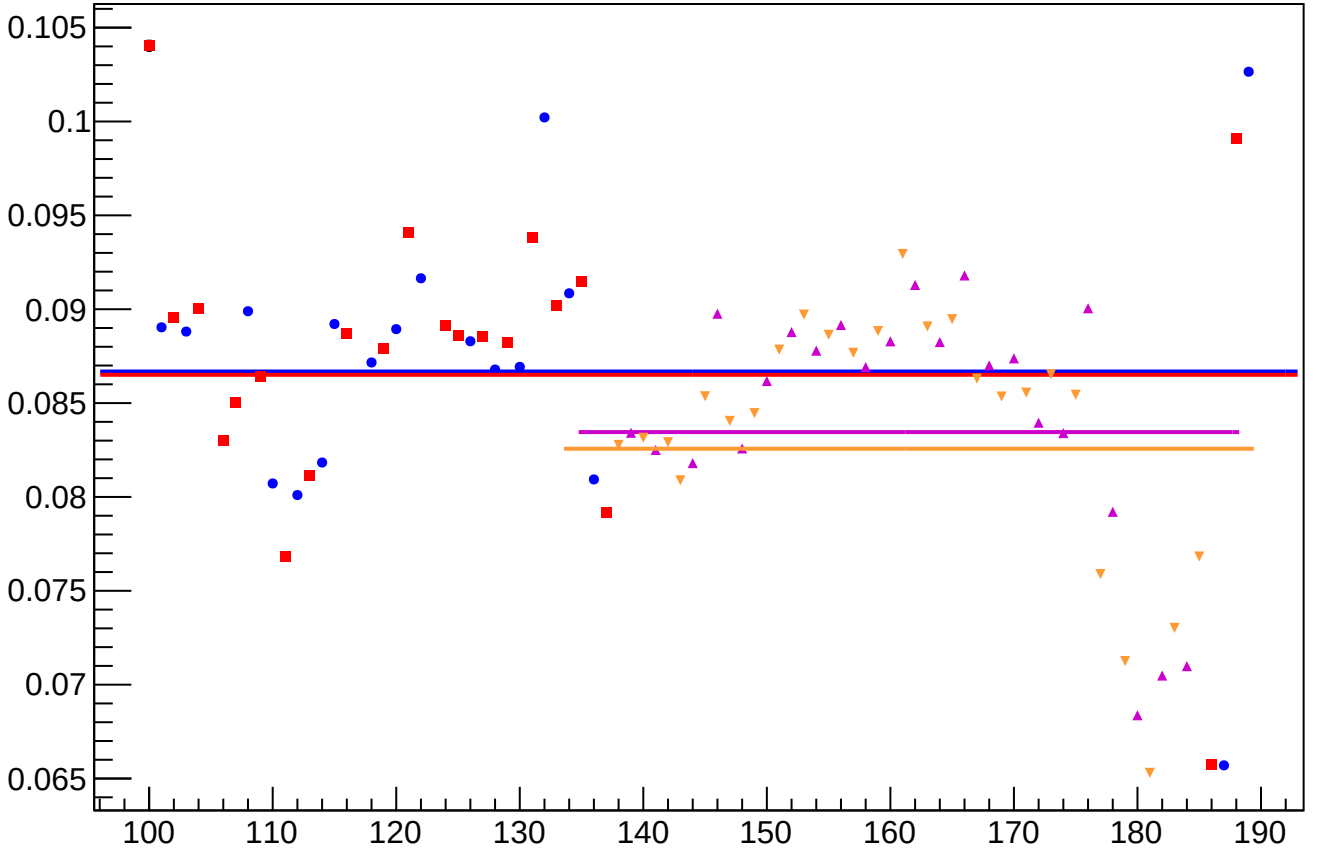
Right: -0.562+/-0.000 χ^2/NDF: 904815628.7/38

In: -0.951+/-0.000 χ^2/NDF:1589105918.9/40

Out: -0.905+/-0.000 χ^2/NDF:1854490644.3/45

All: -0.927+/-0.000 χ^2/NDF: 3447727464.4/8

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 107124.5/17

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 159697.0/20

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

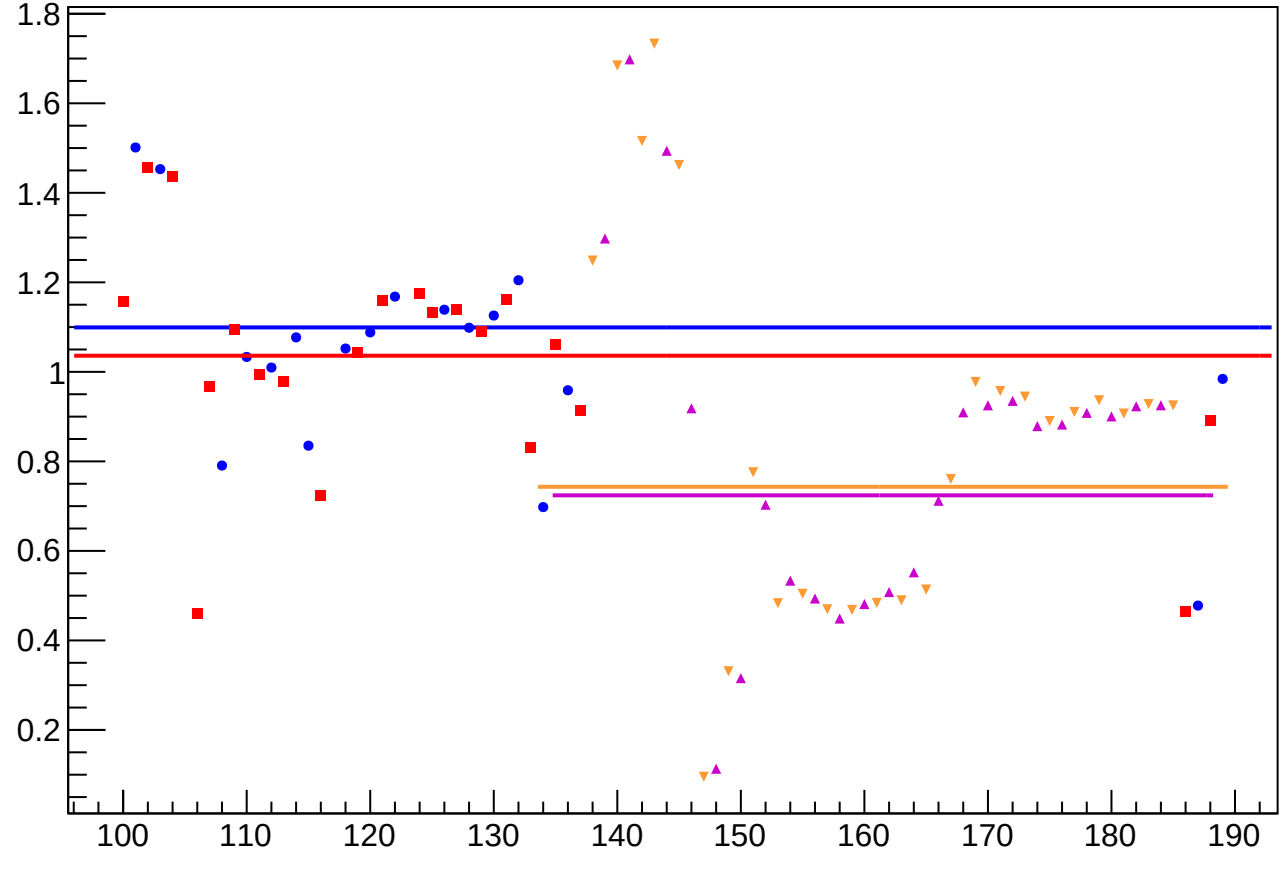
Right: 0.087+/-0.000 χ^2/NDF: 266854.8/38

In: 0.084+/-0.000 χ^2/NDF:361046.2/40

Out: 0.084+/-0.000 χ^2/NDF:476442.5/45

All: 0.084+/-0.000 χ^2/NDF: 839111.0/86

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.099+/-0.000 χ^2/NDF: 1820845294.9/17

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.036+/-0.000 χ^2/NDF: 2533832106.2/20

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

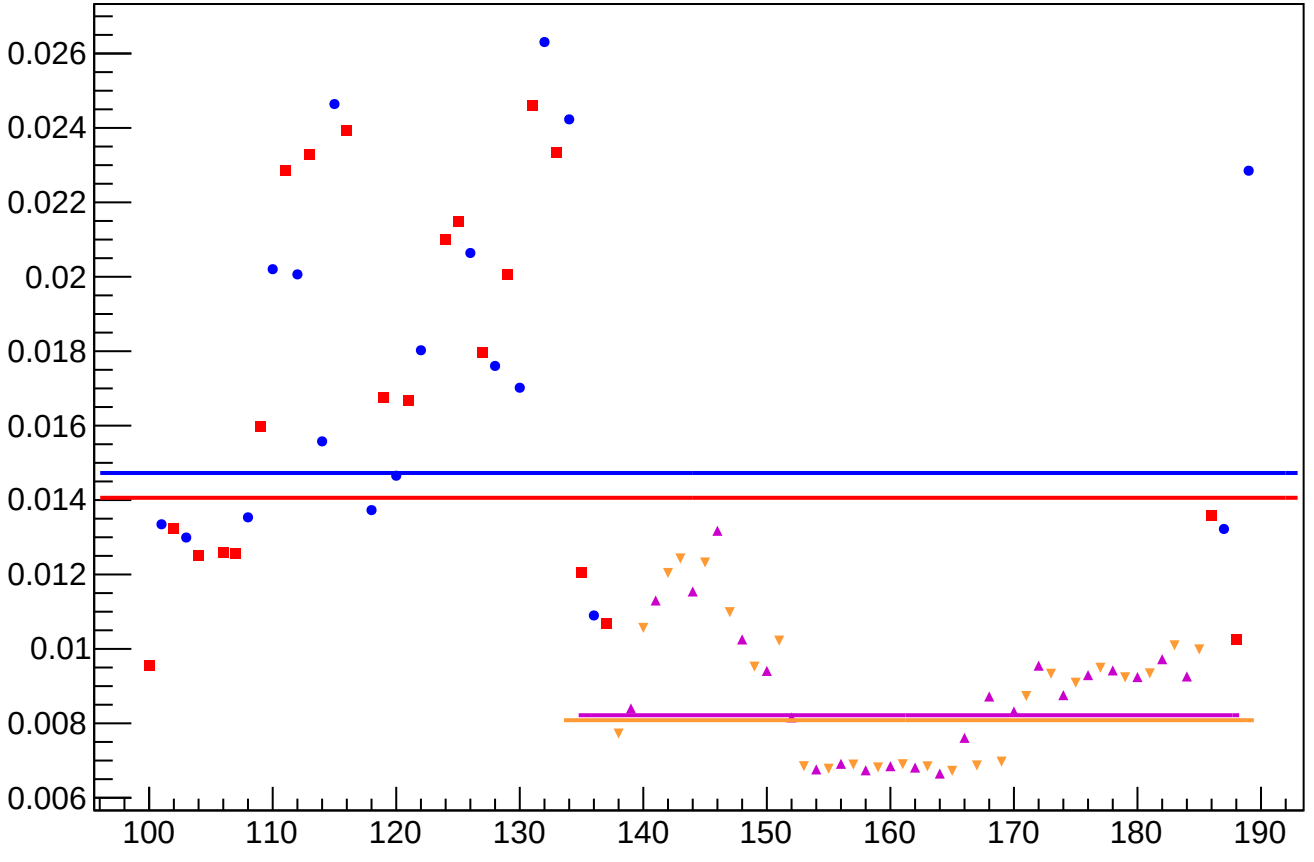
Right: 1.065+/-0.000 χ^2/NDF: 4420528374.0/38

In: 0.765+/-0.000 χ^2/NDF:31268427275.4/40

Out: 0.778+/-0.000 χ^2/NDF:37847996869.2/45

All: 0.772+/-0.000 χ^2/NDF: 69139820374.2/8

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 844156.7/17

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.014+/-0.000 χ^2/NDF: 1149226.0/20

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

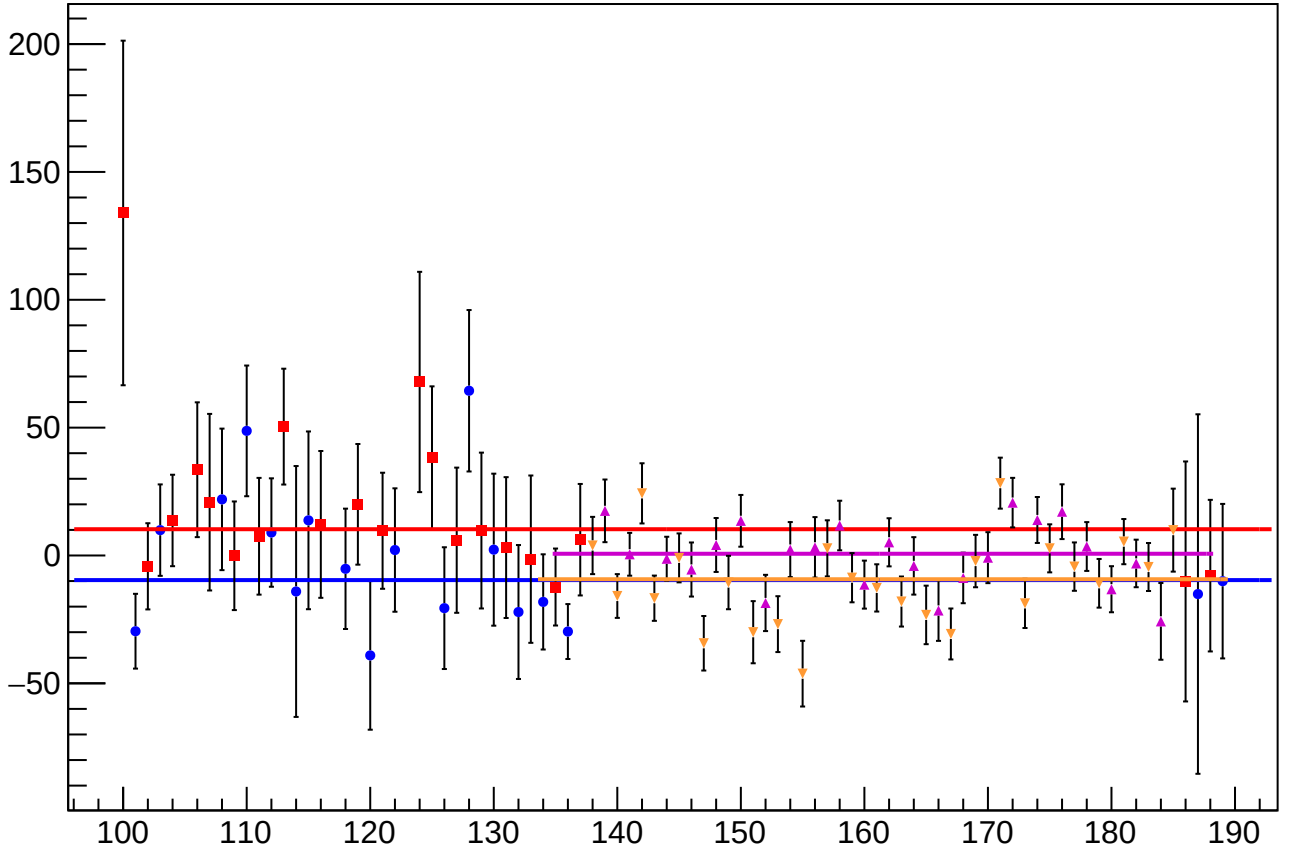
Right: 0.014+/-0.000 χ^2/NDF: 2008010.9/38

In: 0.009+/-0.000 χ^2/NDF:4255877.6/40

Out: 0.009+/-0.000 χ^2/NDF:4832579.8/45

All: 0.009+/-0.000 χ^2/NDF: 9094213.2/86

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.625+/-5.197 χ^2/NDF: 21.9/17

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 10.273+/-5.370 χ^2/NDF: 14.5/20

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

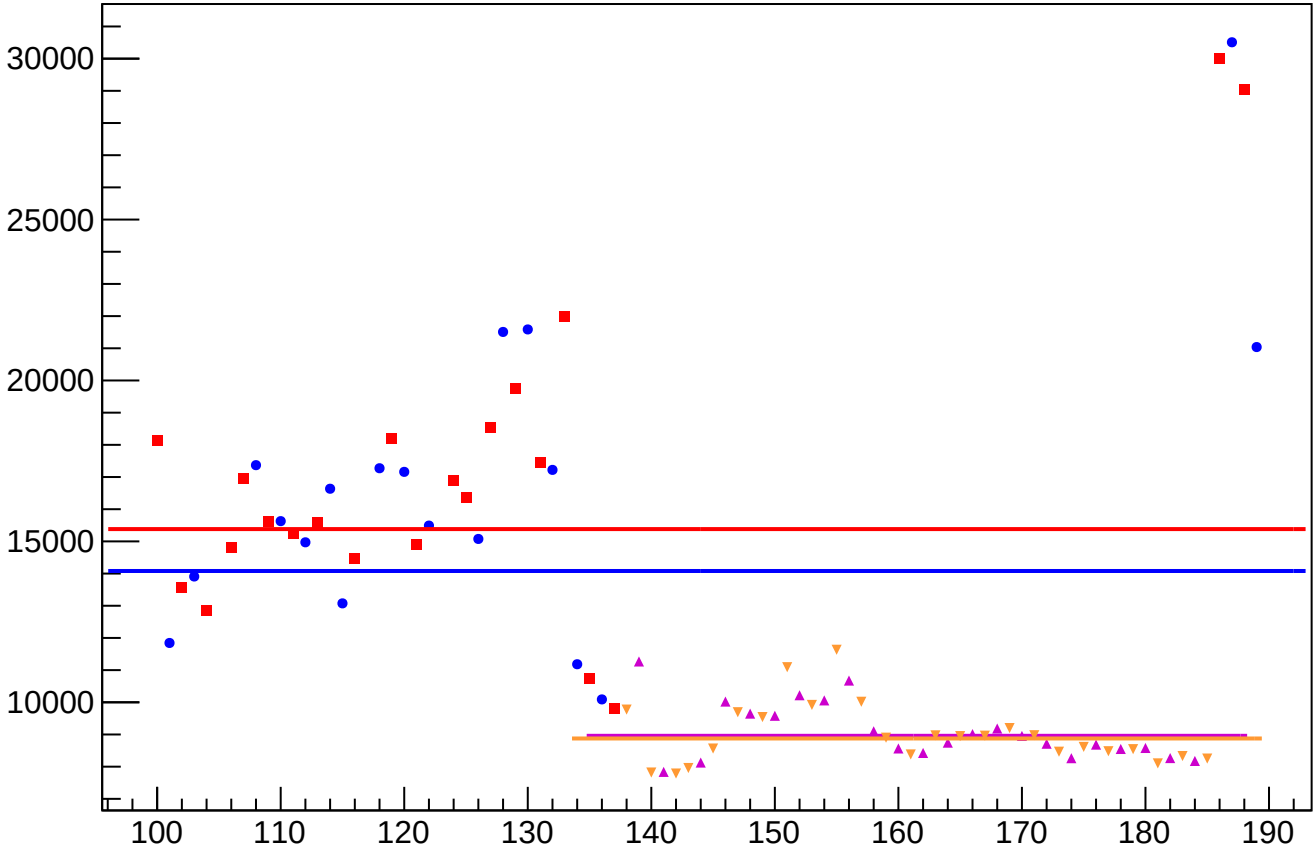
Right: -0.001+/-3.734 χ^2/NDF: 43.5/38

In: -0.775+/-1.950 χ^2/NDF:54.7/40

Out: -6.844+/-1.899 χ^2/NDF:87.2/45

All: -3.890+/-1.361 χ^2/NDF: 146.9/86

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14080.293+/-3.675 χ^2/NDF: 969594.5/17

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 15382.380+/-3.797 χ^2/NDF: 1205483.7/20

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

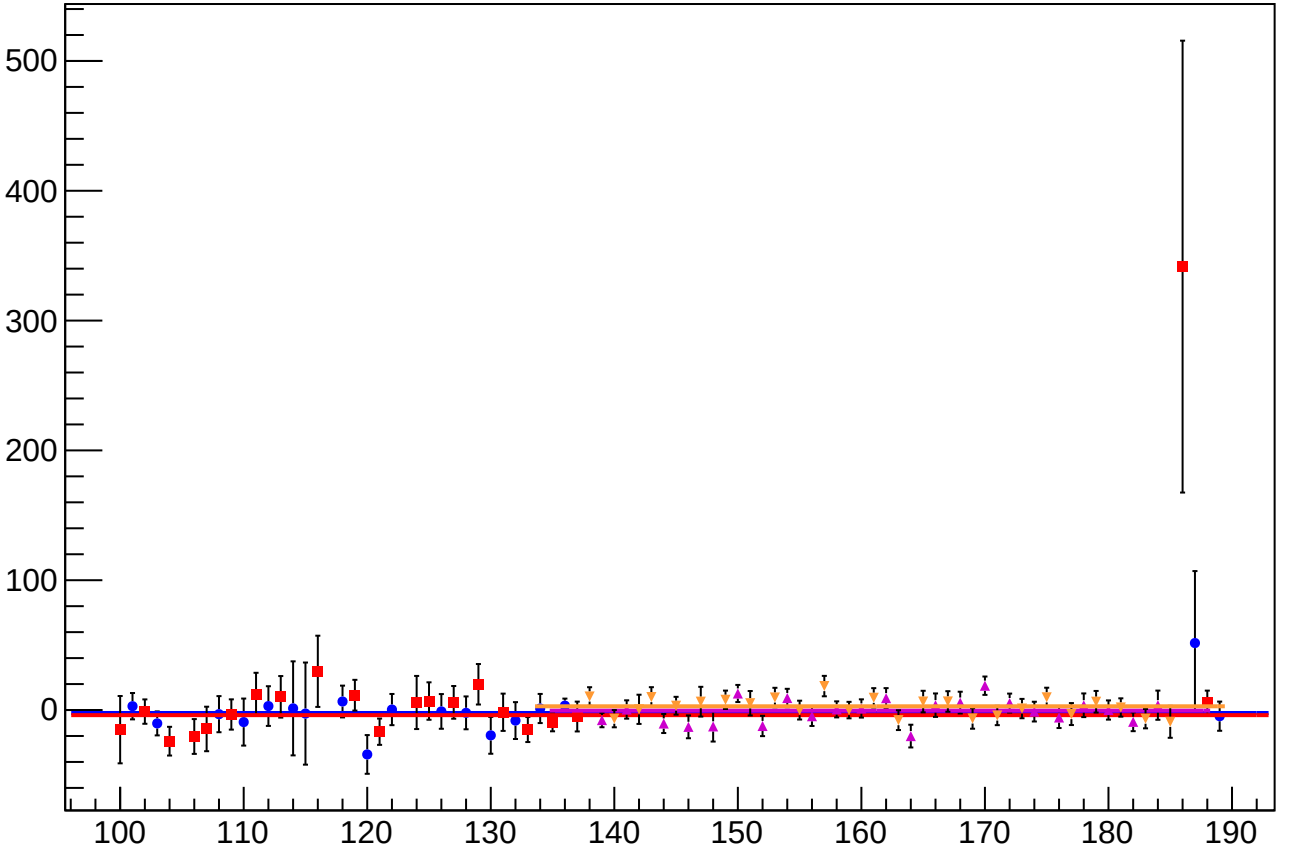
Right: 14710.100+/-2.641 χ^2/NDF: 2235801.0/38

In: 9679.978+/-1.379 χ^2/NDF:2940082.8/40

Out: 9689.742+/-1.343 χ^2/NDF:4121890.9/45

All: 9684.990+/-0.962 χ^2/NDF: 7061999.4/86

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.284+/-2.824 χ^2/NDF: 10.3/17

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.948+/-2.715 χ^2/NDF: 22.7/20

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

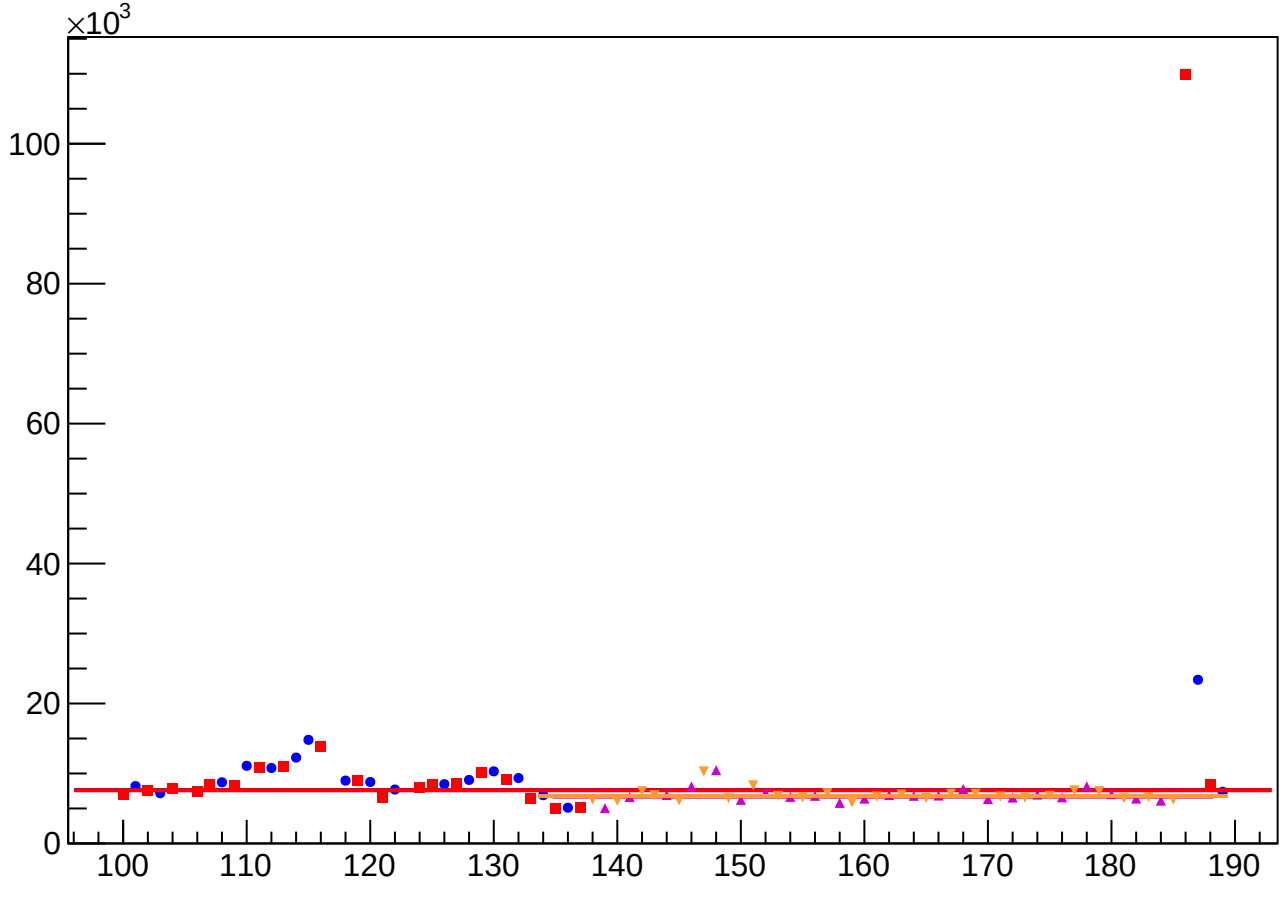
Right: -3.149+/-1.957 χ^2/NDF: 33.1/38

In: -0.892+/-1.380 χ^2/NDF:43.4/40

Out: 1.194+/-1.348 χ^2/NDF:46.9/45

All: 0.175+/-0.964 χ^2/NDF: 91.5/86

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7632.503+/-1.997 χ^2/NDF: 1054264.5/17

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 7608.515+/-1.920 χ^2/NDF: 1534321.3/20

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

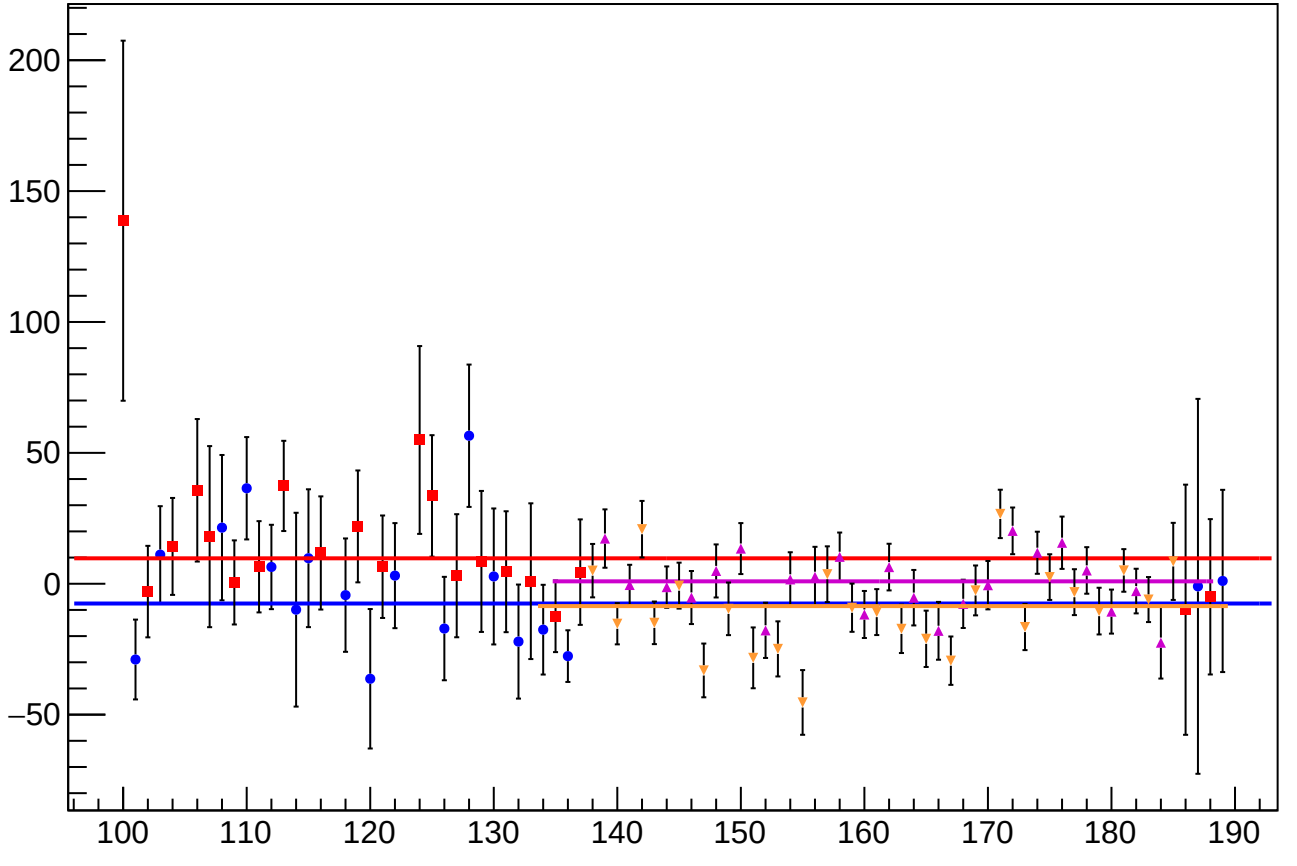
Right: 7620.034+/-1.384 χ^2/NDF: 2588660.7/38

In: 6914.616+/-0.976 χ^2/NDF:1844257.3/40

Out: 6981.983+/-0.954 χ^2/NDF:2075918.5/45

All: 6949.074+/-0.682 χ^2/NDF: 3922614.1/86

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.552+/-4.694 χ^2/NDF: 22.8/17

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 9.715+/-4.753 χ^2/NDF: 14.3/20

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

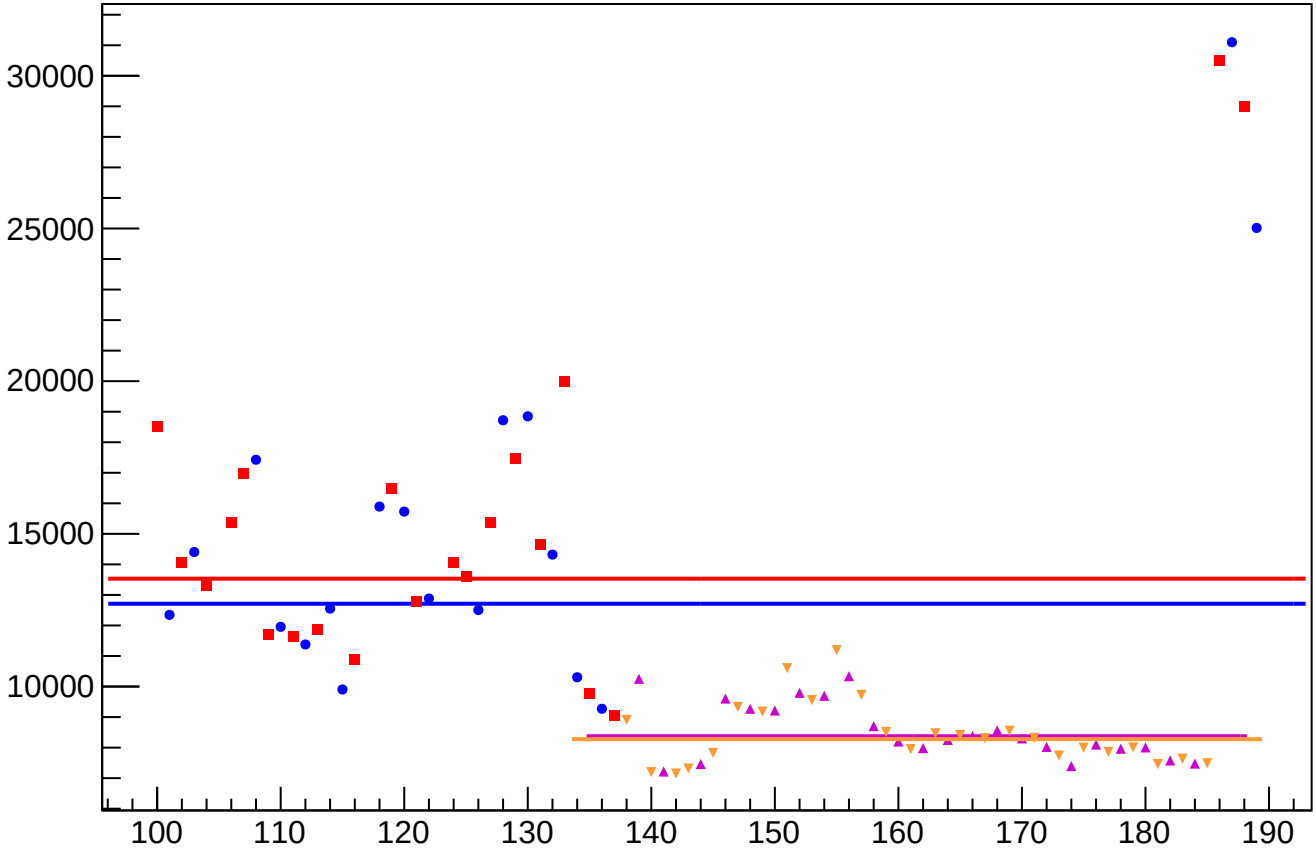
Right: 0.975+/-3.340 χ^2/NDF: 43.8/38

In: -0.348+/-1.816 χ^2/NDF:54.6/40

Out: -6.029+/-1.762 χ^2/NDF:89.0/45

All: -3.274+/-1.264 χ^2/NDF: 148.6/86

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12711.593+/-3.319 χ^2/NDF: 1068687.2/17

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 13532.747+/-3.361 χ^2/NDF: 1379980.0/20

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

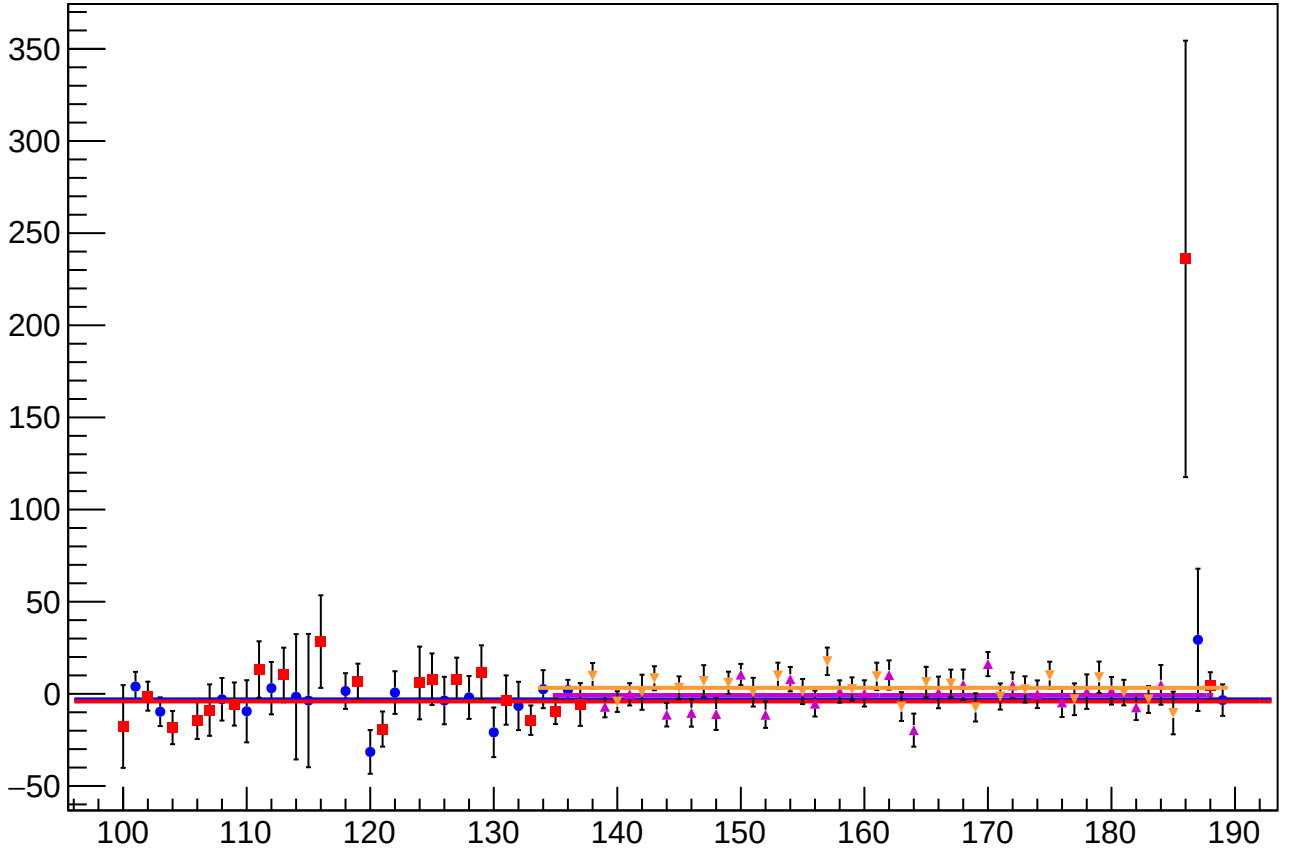
Right: 13117.092+/-2.362 χ^2/NDF: 2478885.6/38

In: 9021.471+/-1.284 χ^2/NDF:2914704.6/40

Out: 8999.633+/-1.246 χ^2/NDF:3944102.8/45

All: 9010.222+/-0.894 χ^2/NDF: 6858956.4/86

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.008+/-2.531 χ^2/NDF: 11.6/17

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -4.134+/-2.412 χ^2/NDF: 22.5/20

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

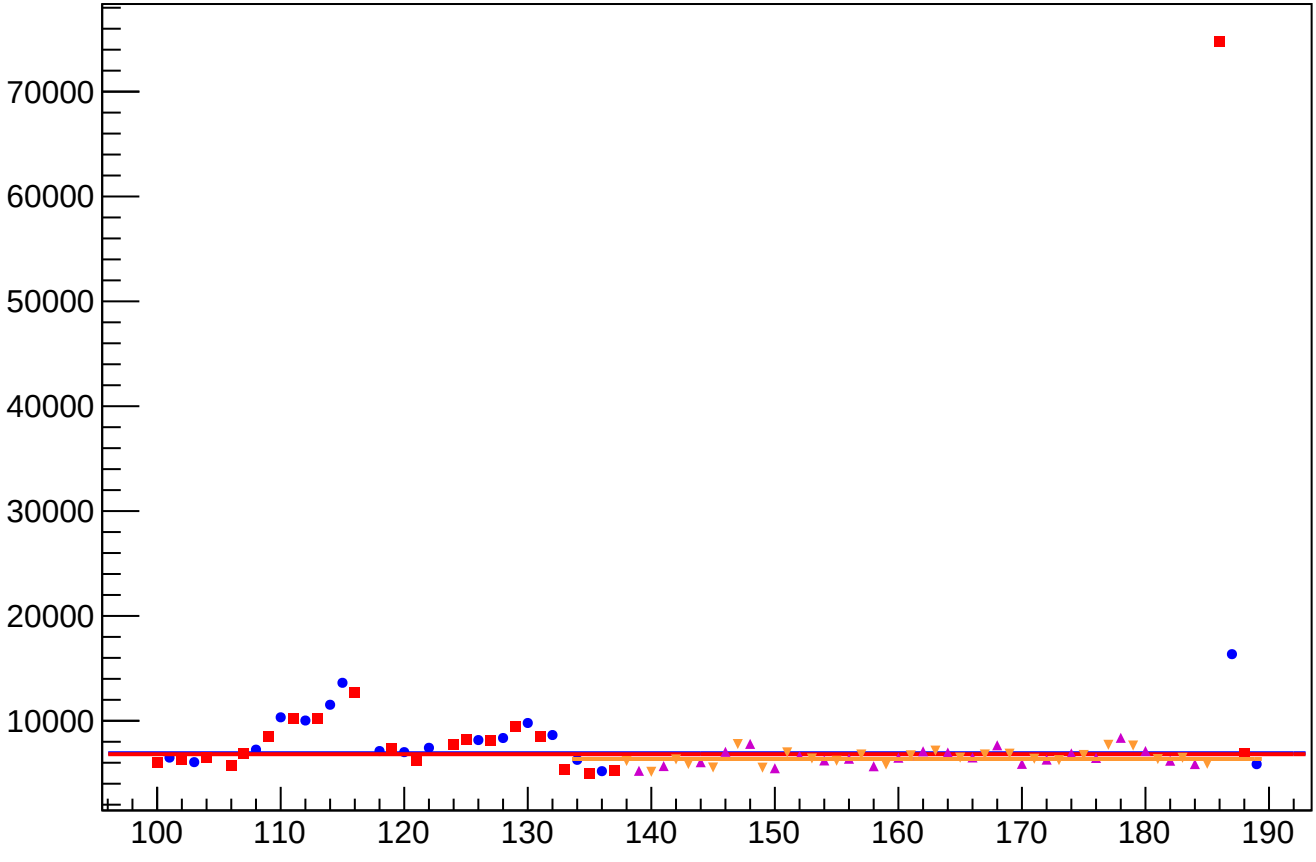
Right: -3.598+/-1.746 χ^2/NDF: 34.2/38

In: -1.259+/-1.290 χ^2/NDF:43.0/40

Out: 1.279+/-1.247 χ^2/NDF:47.0/45

All: 0.053+/-0.897 χ^2/NDF: 92.1/86

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6905.800+/-1.789 χ^2/NDF: 846869.1/17

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6814.175+/-1.705 χ^2/NDF: 1457887.8/20

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

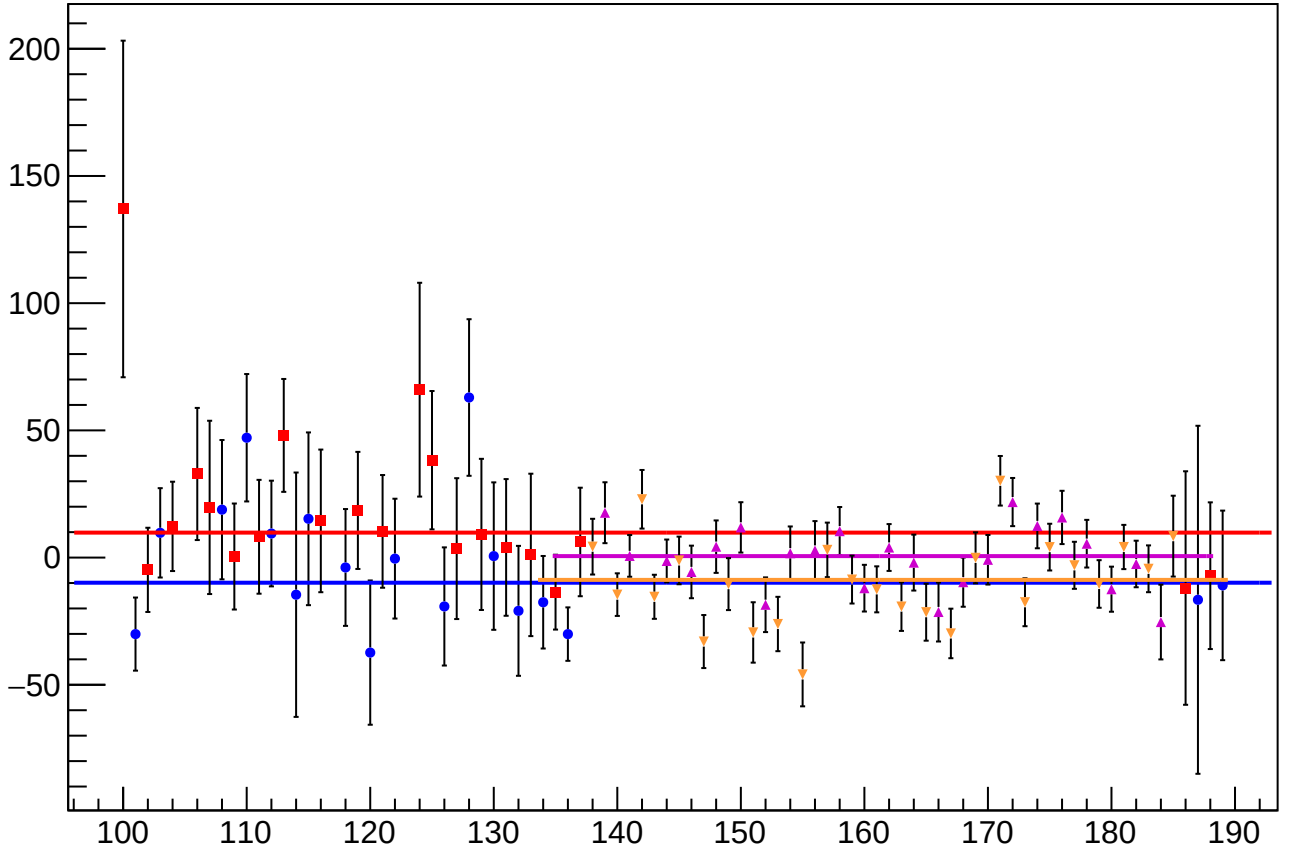
Right: 6857.788+/-1.235 χ^2/NDF: 2306130.7/38

In: 6501.726+/-0.912 χ^2/NDF:1389630.0/40

Out: 6479.692+/-0.882 χ^2/NDF:1924509.2/45

All: 6490.339+/-0.634 χ^2/NDF: 3314440.8/86

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.881+/-5.085 χ^2/NDF: 22.1/17

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 9.814+/-5.254 χ^2/NDF: 14.9/20

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

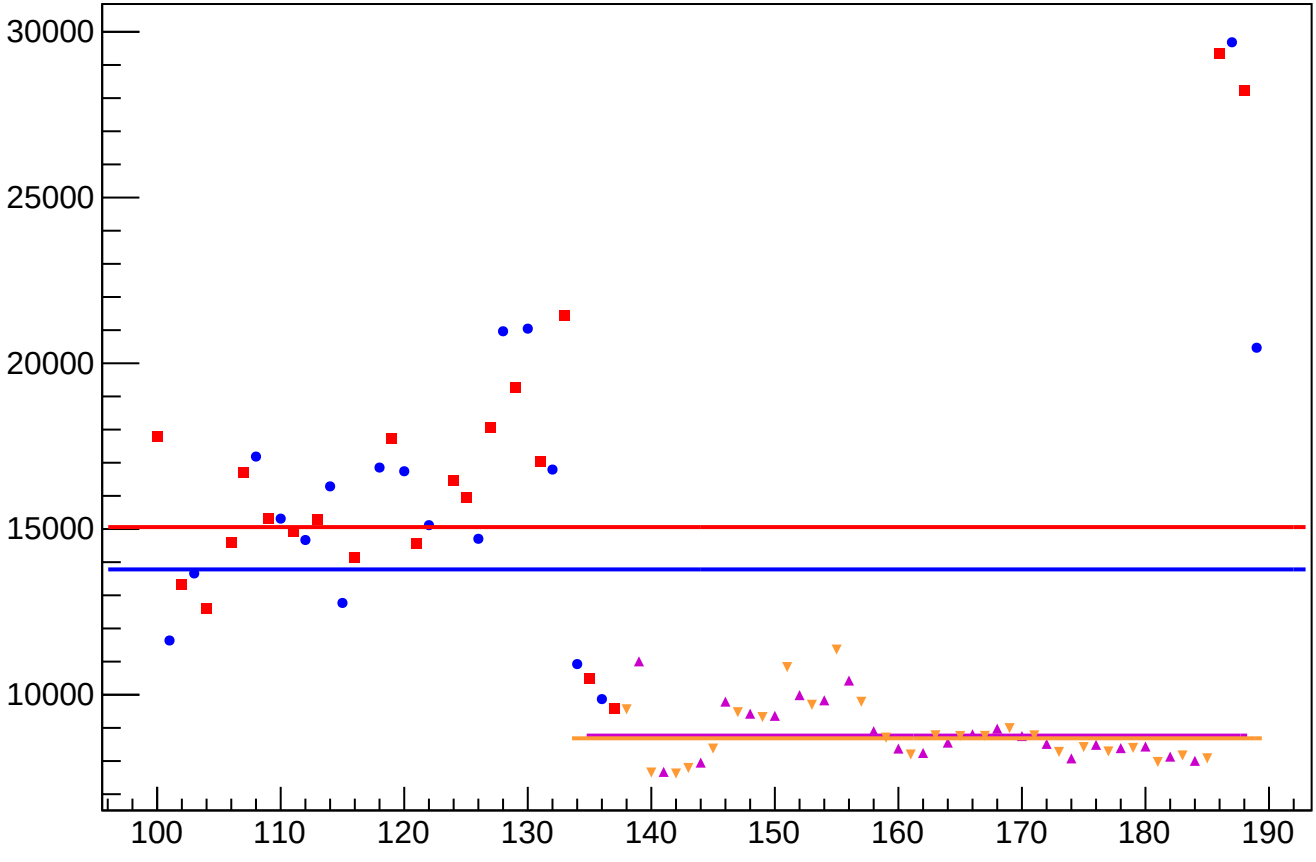
Right: -0.356+/-3.654 χ^2/NDF: 44.2/38

In: -0.894+/-1.909 χ^2/NDF:55.3/40

Out: -6.442+/-1.859 χ^2/NDF:88.6/45

All: -3.742+/-1.332 χ^2/NDF: 148.2/86

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13781.574+/-3.596 χ^2/NDF: 962022.9/17

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 15058.123+/-3.715 χ^2/NDF: 1194045.6/20

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

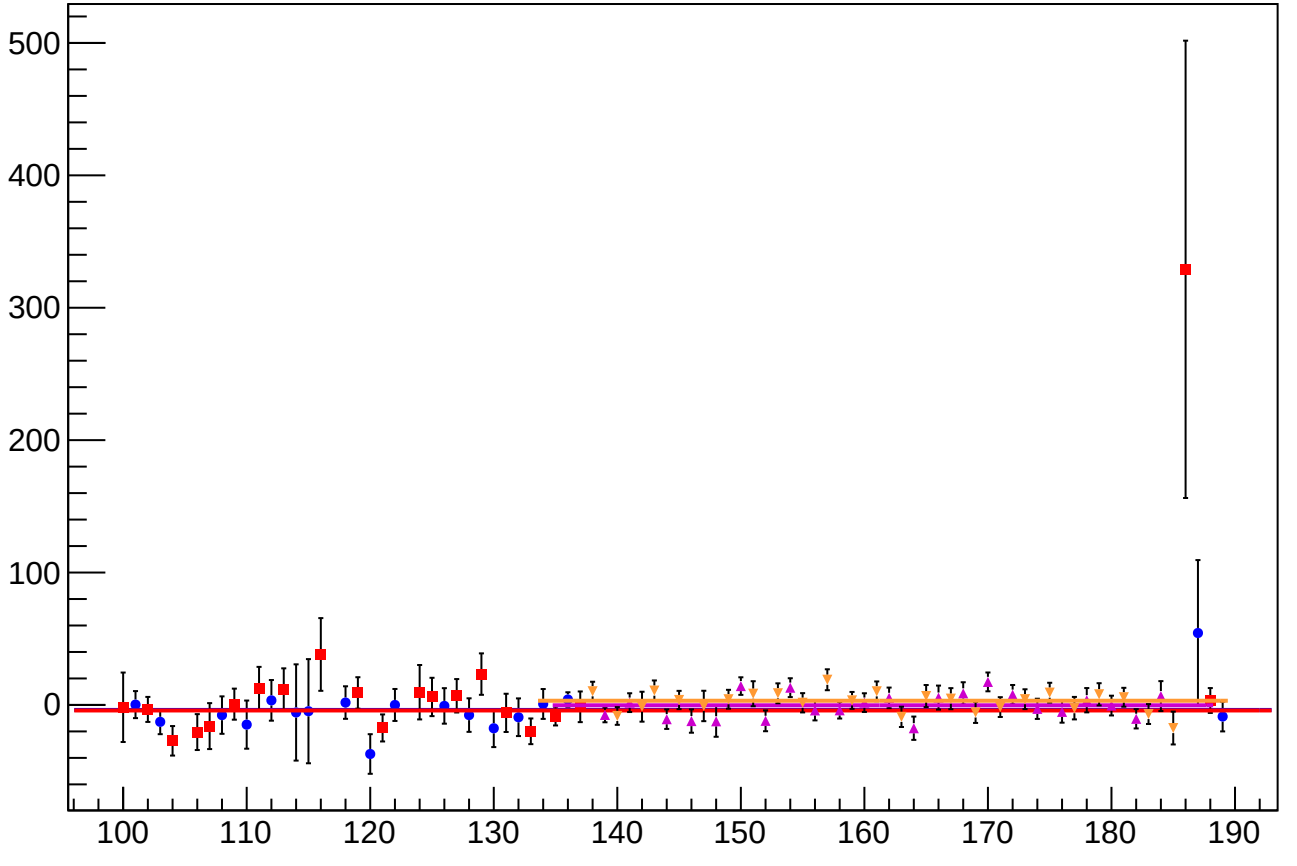
Right: 14398.980+/-2.584 χ^2/NDF: 2217020.1/38

In: 9473.935+/-1.350 χ^2/NDF:2927852.1/40

Out: 9483.233+/-1.314 χ^2/NDF:4107966.4/45

All: 9478.708+/-0.942 χ^2/NDF: 7035842.9/86

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.780+/-2.840 χ^2/NDF: 11.8/17

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -4.176+/-2.731 χ^2/NDF: 25.8/20

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

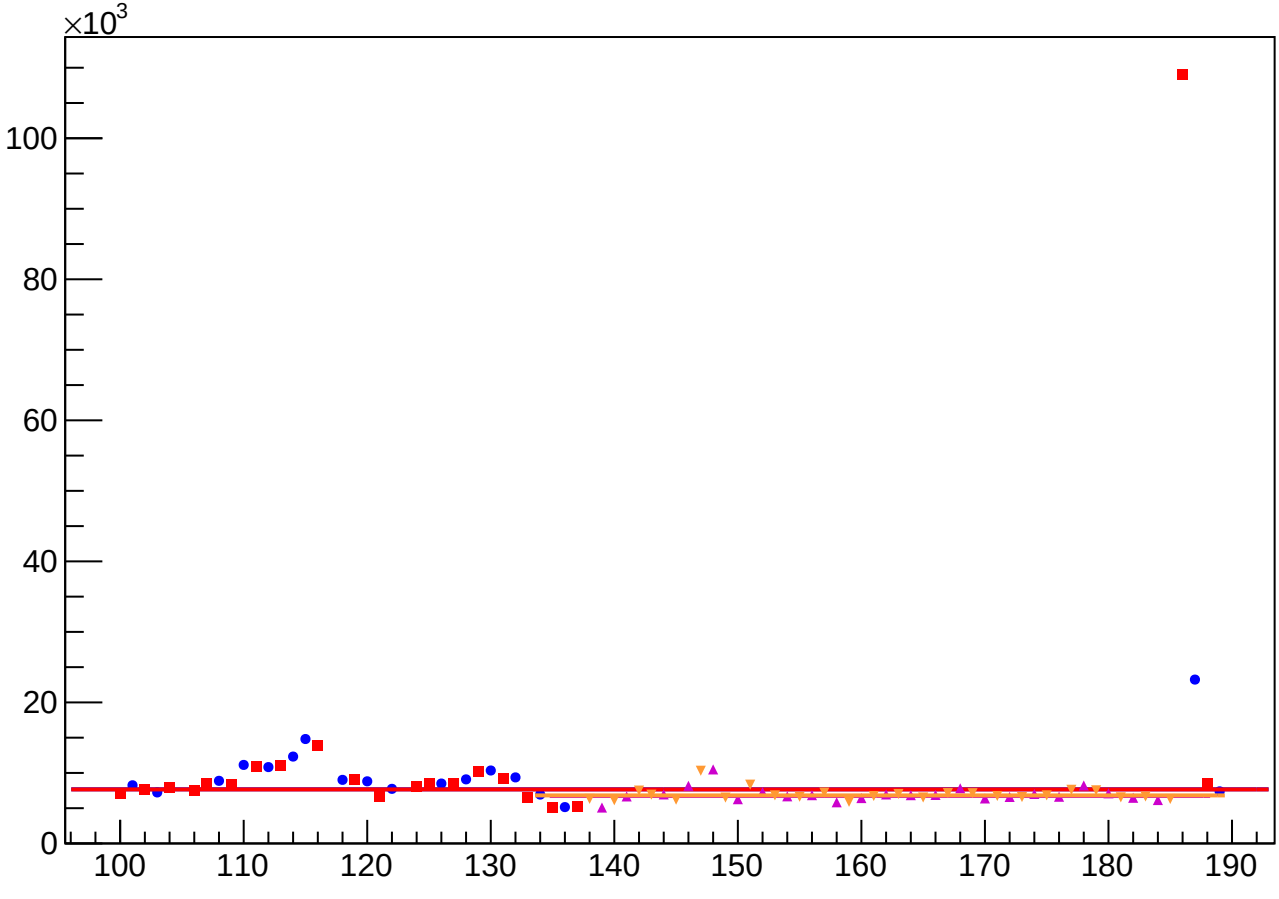
Right: -3.986+/-1.969 χ^2/NDF: 37.6/38

In: -1.107+/-1.388 χ^2/NDF:47.2/40

Out: 1.361+/-1.356 χ^2/NDF:52.9/45

All: 0.156+/-0.970 χ^2/NDF: 101.7/86

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7680.132+/-2.009 χ^2/NDF: 1040808.5/17

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 7661.120+/-1.931 χ^2/NDF: 1516732.7/20

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

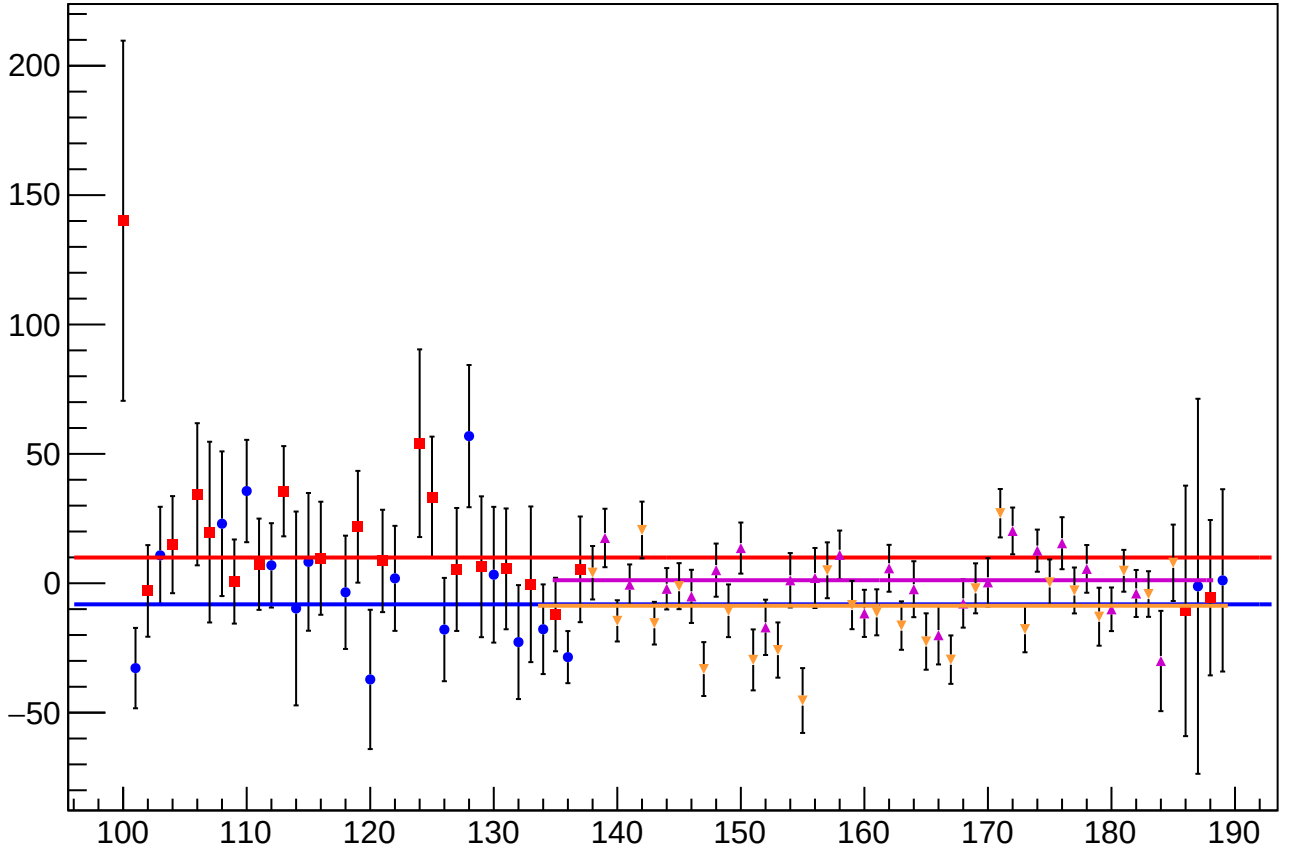
Right: 7670.254+/-1.392 χ^2/NDF: 2557587.7/38

In: 6955.098+/-0.981 χ^2/NDF:1821992.4/40

Out: 7021.942+/-0.959 χ^2/NDF:2056677.1/45

All: 6989.292+/-0.686 χ^2/NDF: 3881043.8/86

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.148+/-4.759 χ^2/NDF: 23.3/17

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 9.946+/-4.822 χ^2/NDF: 13.4/20

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

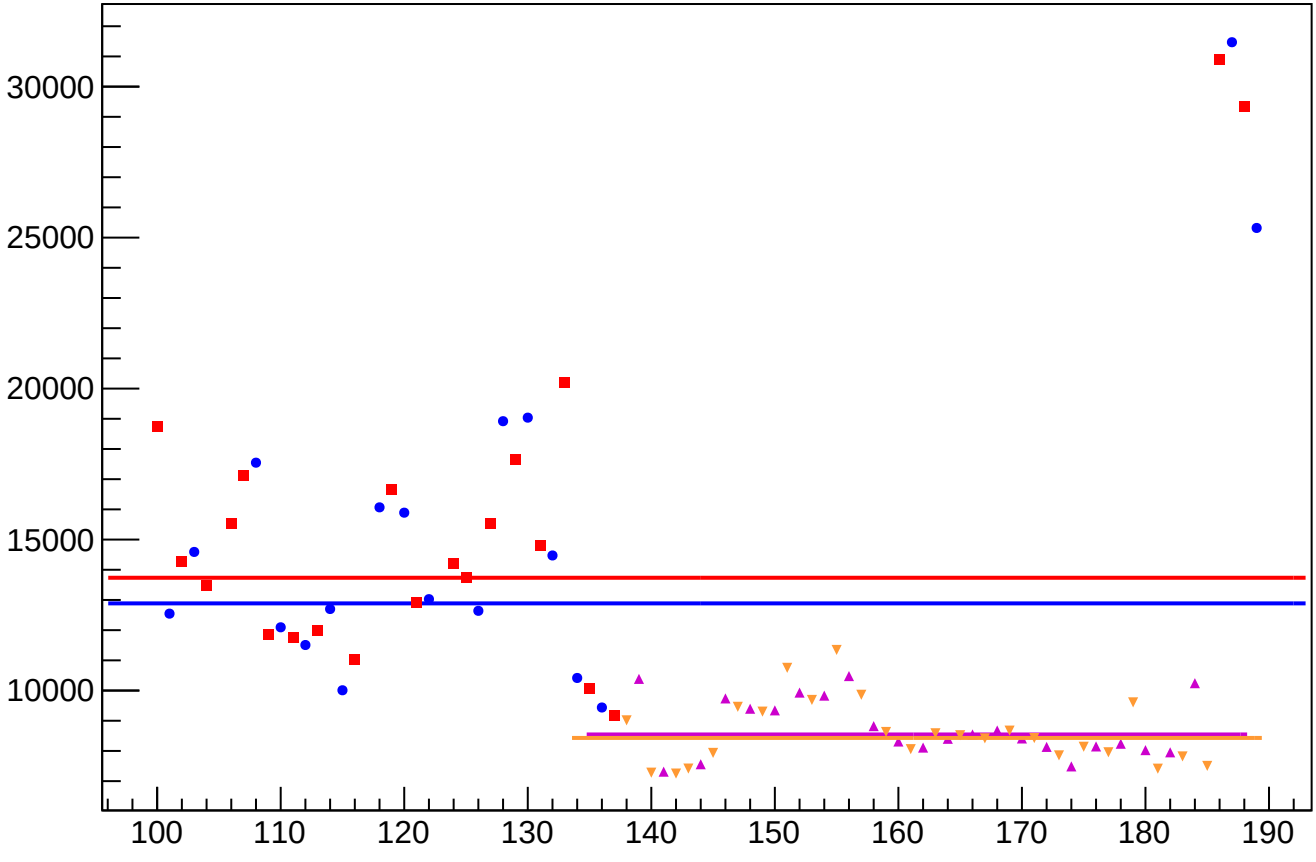
Right: 0.780+/-3.387 χ^2/NDF: 43.8/38

In: -0.240+/-1.853 χ^2/NDF:55.1/40

Out: -6.105+/-1.797 χ^2/NDF:87.6/45

All: -3.264+/-1.290 χ^2/NDF: 147.9/86

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12886.742+/-3.365 χ^2/NDF: 1054208.6/17

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 13735.392+/-3.410 χ^2/NDF: 1355842.6/20

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

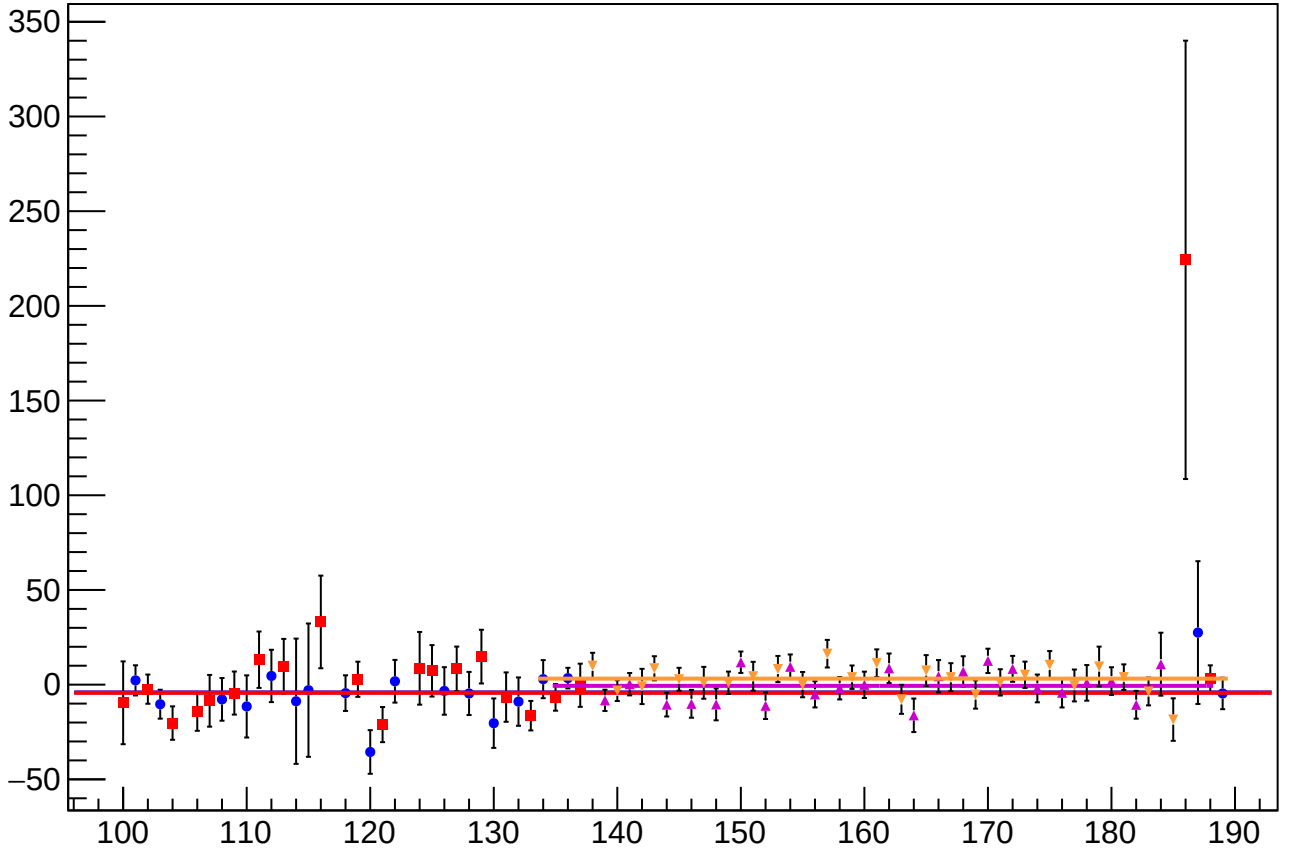
Right: 13305.465+/-2.395 χ^2/NDF: 2441429.7/38

In: 9204.000+/-1.311 χ^2/NDF:2855703.1/40

Out: 9167.082+/-1.270 χ^2/NDF:3924626.3/45

All: 9184.967+/-0.912 χ^2/NDF: 6780738.5/86

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.107+/-2.476 χ^2/NDF: 14.6/17

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -4.291+/-2.362 χ^2/NDF: 24.8/20

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

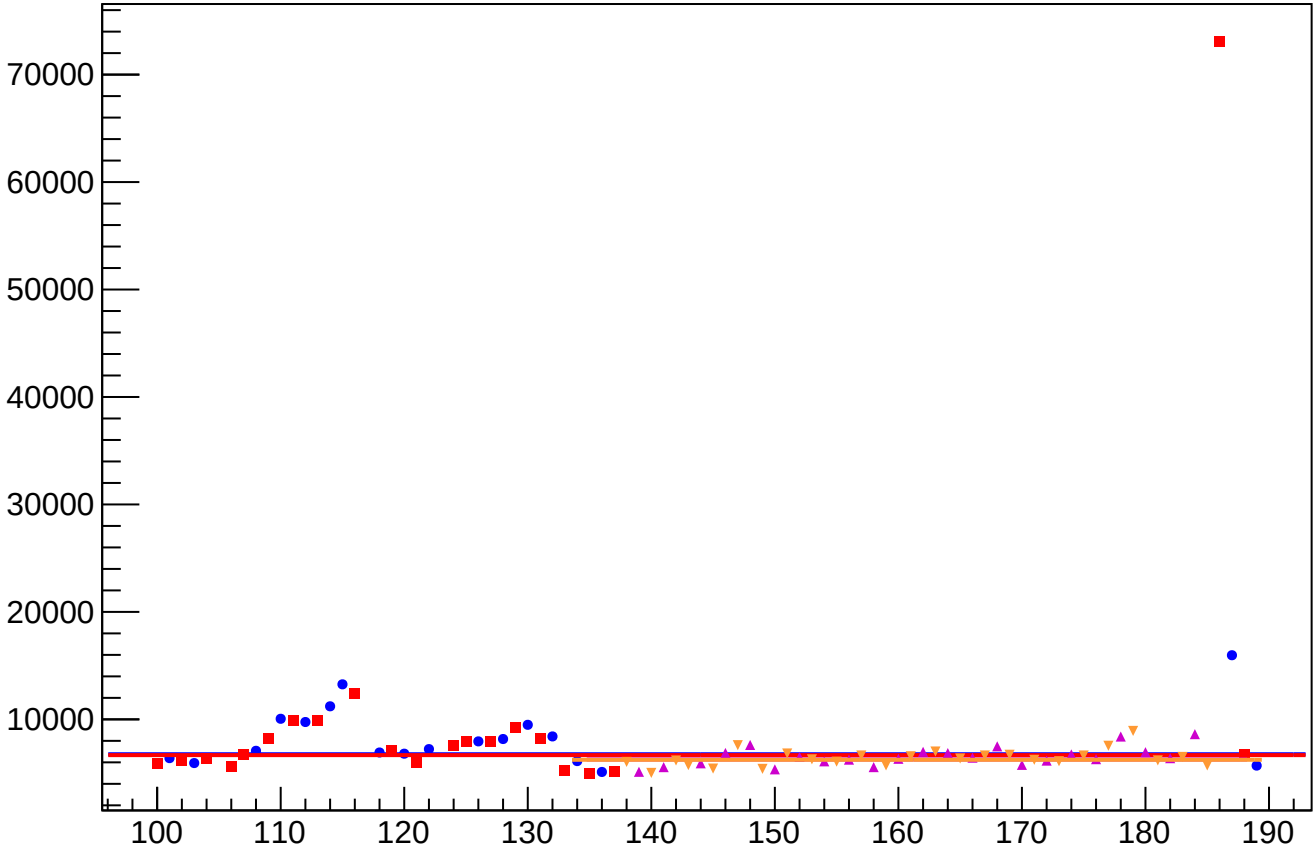
Right: -4.203+/-1.709 χ^2/NDF: 39.4/38

In: -1.549+/-1.272 χ^2/NDF:47.8/40

Out: 1.170+/-1.226 χ^2/NDF:50.8/45

All: -0.140+/-0.883 χ^2/NDF: 101.0/86

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6754.677+/-1.751 χ^2/NDF: 826967.0/17

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 6672.258+/-1.670 χ^2/NDF: 1422410.7/20

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

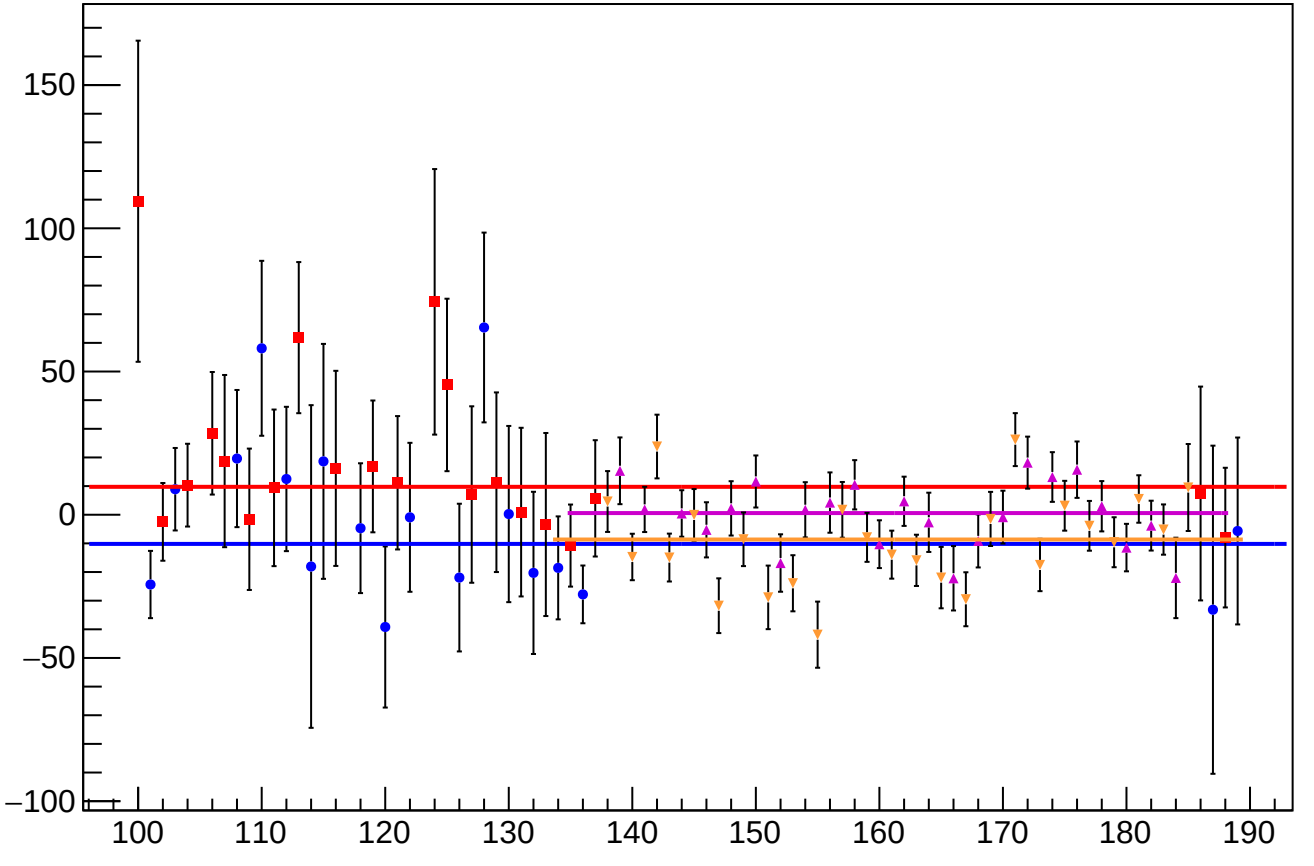
Right: 6711.520+/-1.209 χ^2/NDF: 2250537.7/38

In: 6396.498+/-0.899 χ^2/NDF:1408113.5/40

Out: 6355.000+/-0.867 χ^2/NDF:1979536.1/45

All: 6374.998+/-0.624 χ^2/NDF: 3388753.3/86

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.182+/-4.940 χ^2/NDF: 21.4/17

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 9.746+/-5.109 χ^2/NDF: 15.3/20

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

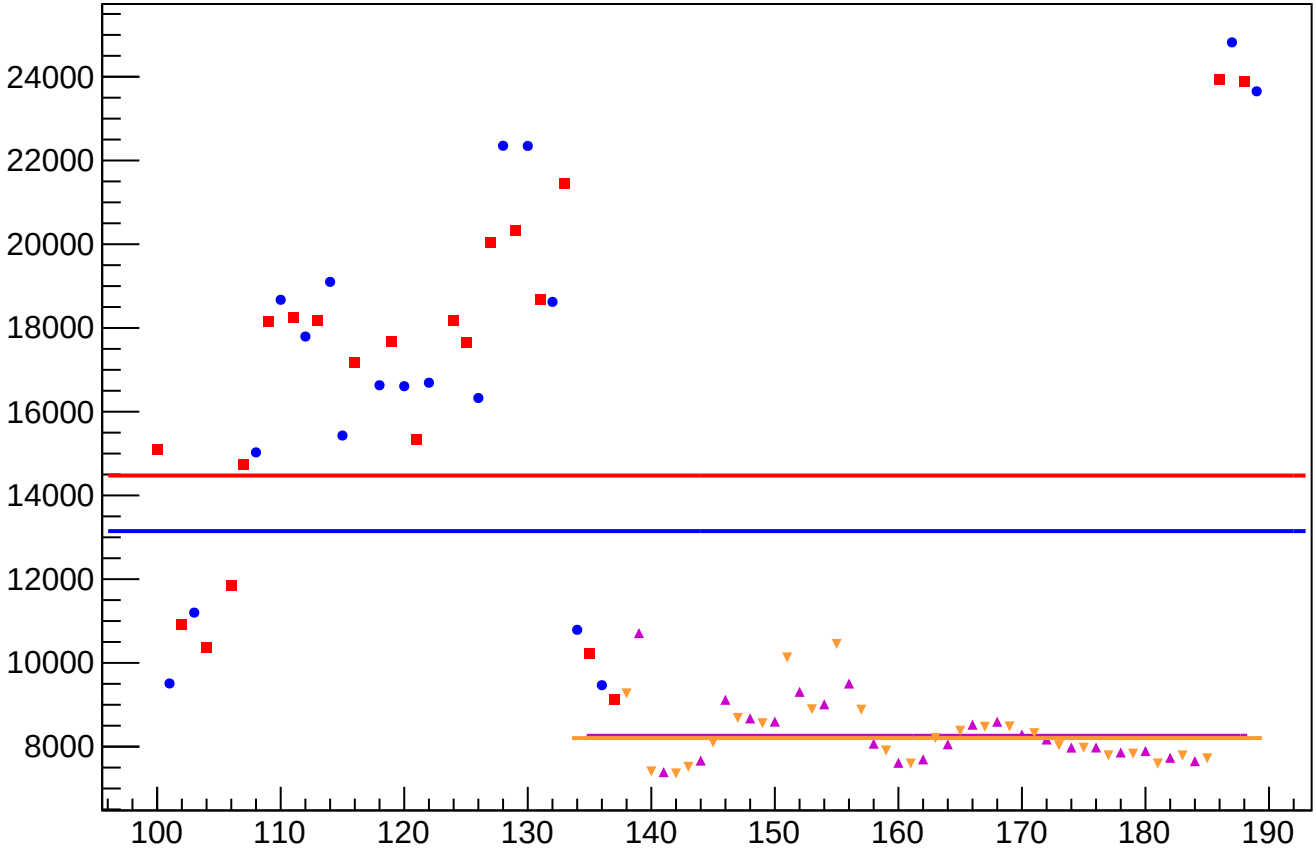
Right: -0.552+/-3.551 χ^2/NDF: 44.6/38

In: -0.854+/-1.805 χ^2/NDF:54.1/40

Out: -6.466+/-1.760 χ^2/NDF:89.8/45

All: -3.730+/-1.260 χ^2/NDF: 148.8/86

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13147.952+/-3.493 χ^2/NDF: 1547729.6/17

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 14474.973+/-3.612 χ^2/NDF: 1550718.8/20

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

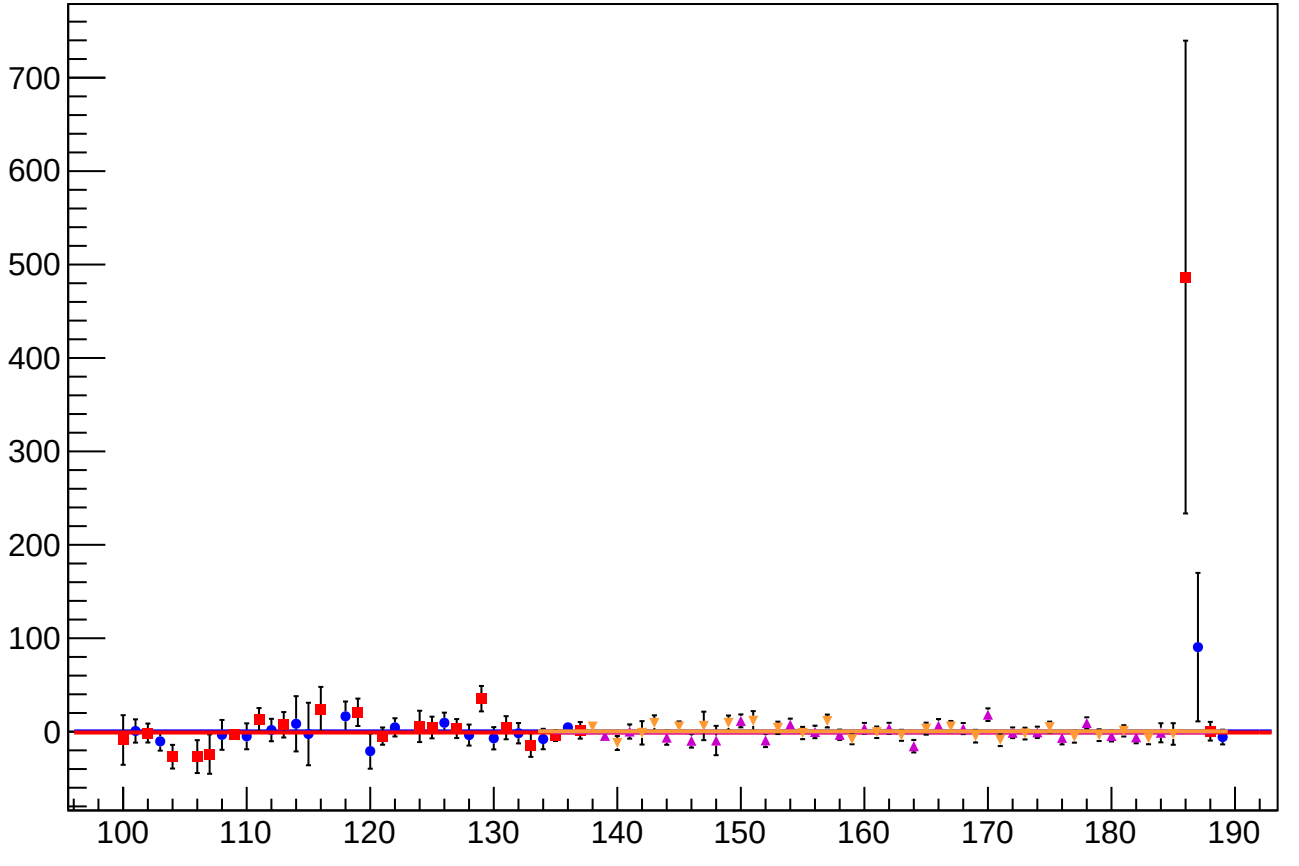
Right: 13789.248+/-2.511 χ^2/NDF: 3168180.4/38

In: 8911.593+/-1.276 χ^2/NDF:3502098.0/40

Out: 8948.938+/-1.245 χ^2/NDF:4479008.8/45

All: 8930.732+/-0.891 χ^2/NDF: 7981545.7/86

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.332+/-2.439 χ^2/NDF: 8.7/17

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -0.893+/-2.254 χ^2/NDF: 26.0/20

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

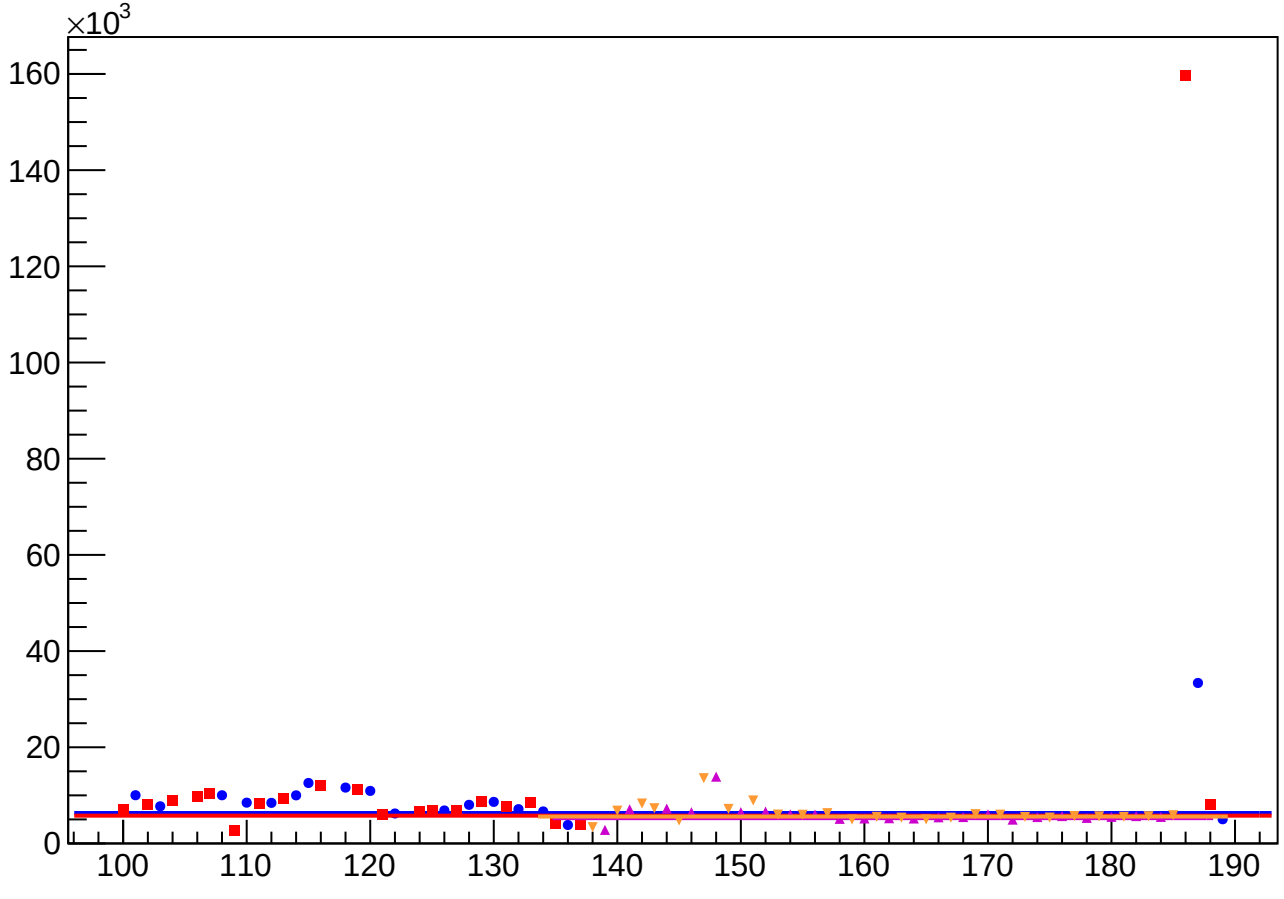
Right: -0.329+/-1.656 χ^2/NDF: 34.9/38

In: -0.482+/-1.141 χ^2/NDF:38.8/40

Out: 0.034+/-1.140 χ^2/NDF:47.8/45

All: -0.223+/-0.807 χ^2/NDF: 86.7/86

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6326.210+/-1.725 χ^2/NDF: 2039382.5/17

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5777.809+/-1.594 χ^2/NDF: 3440884.0/20

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

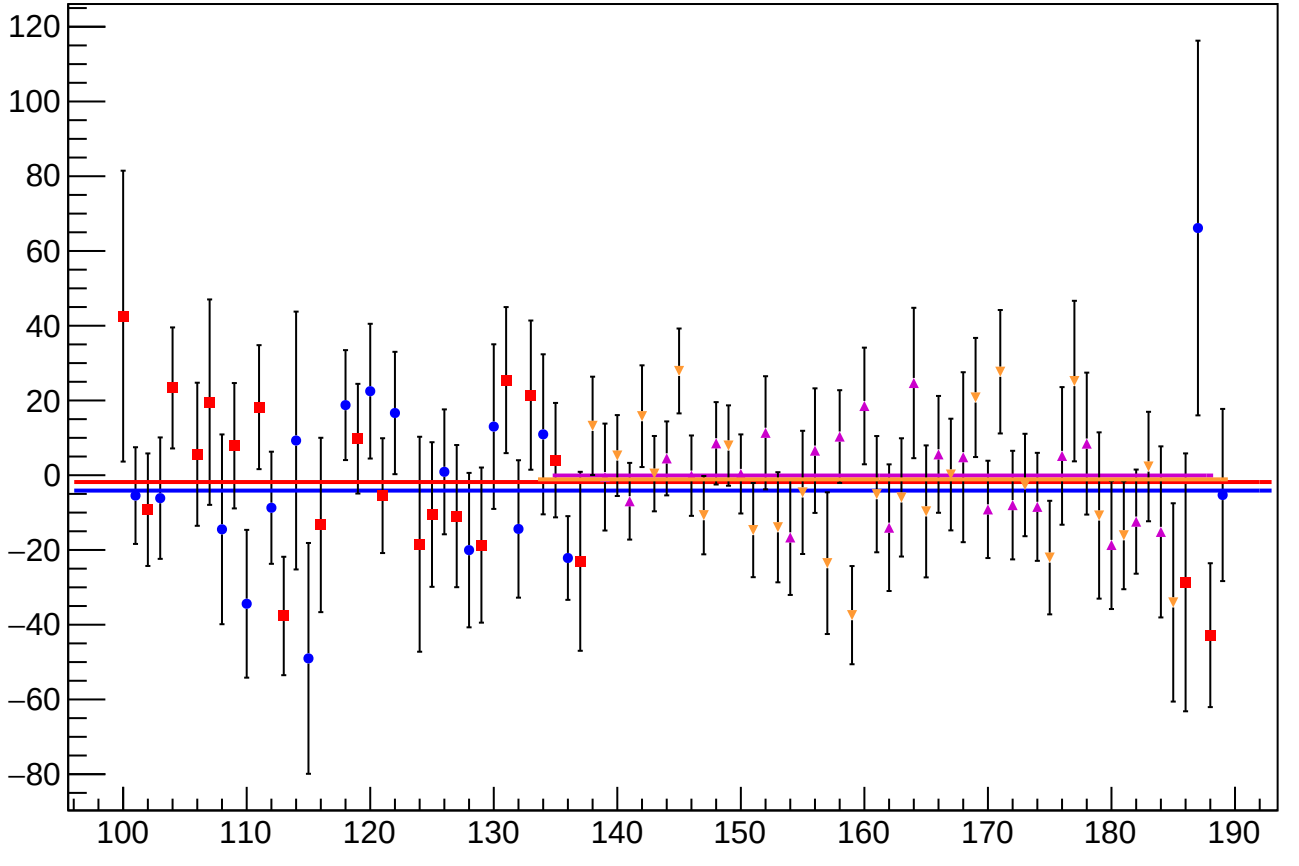
Right: 6030.452+/-1.171 χ^2/NDF: 5534788.5/38

In: 5495.522+/-0.807 χ^2/NDF:4761945.1/40

Out: 5641.388+/-0.806 χ^2/NDF:5234983.8/45

All: 5568.520+/-0.570 χ^2/NDF: 10013282.2/8

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.114+/-4.263 χ^2/NDF: 17.8/17

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -1.824+/-4.135 χ^2/NDF: 23.4/20

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

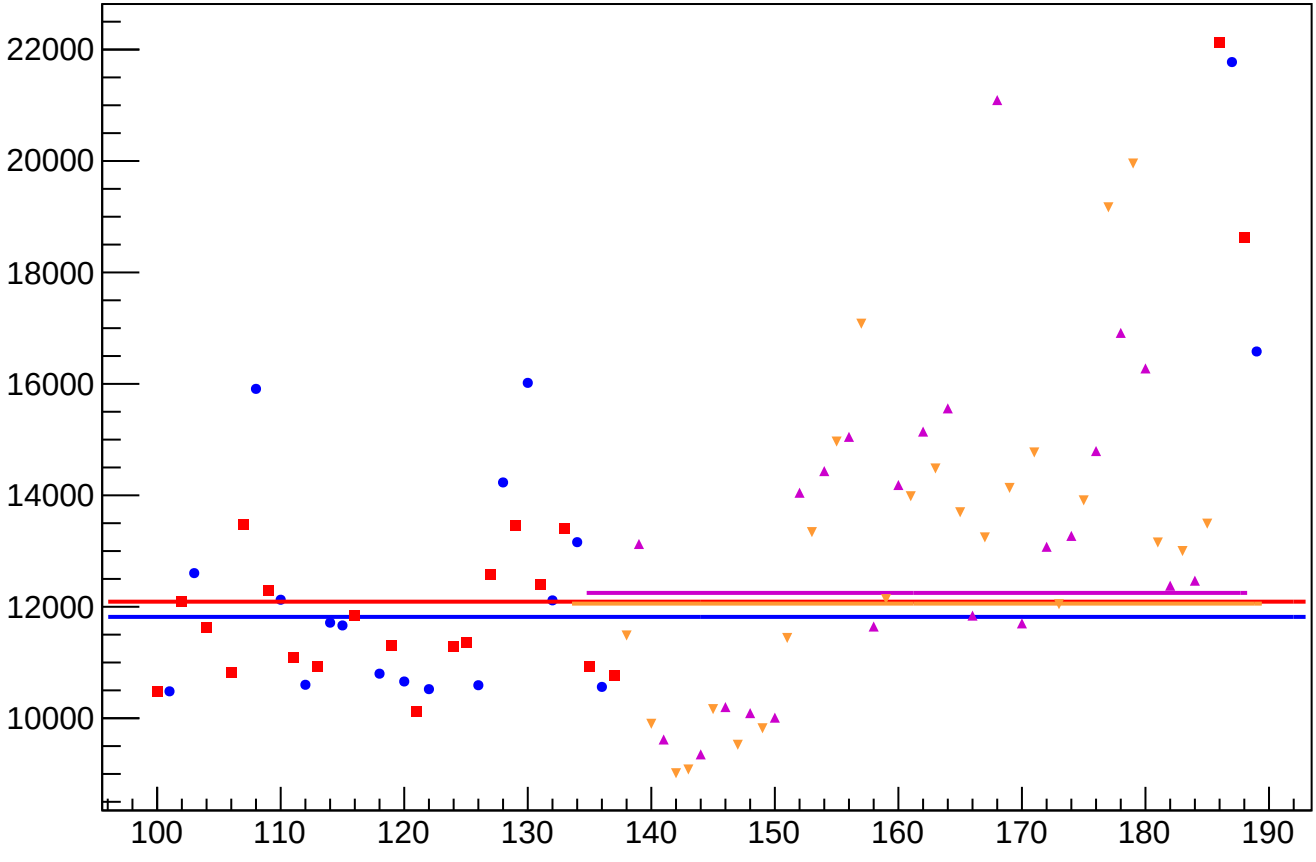
Right: -2.934+/-2.968 χ^2/NDF: 41.3/38

In: -1.375+/-2.413 χ^2/NDF:29.8/40

Out: -1.337+/-2.326 χ^2/NDF:57.1/45

All: -1.355+/-1.675 χ^2/NDF: 87.0/86

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11818.449+/-3.015 χ^2/NDF: 430839.0/17

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 12091.654+/-2.924 χ^2/NDF: 518308.9/20

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

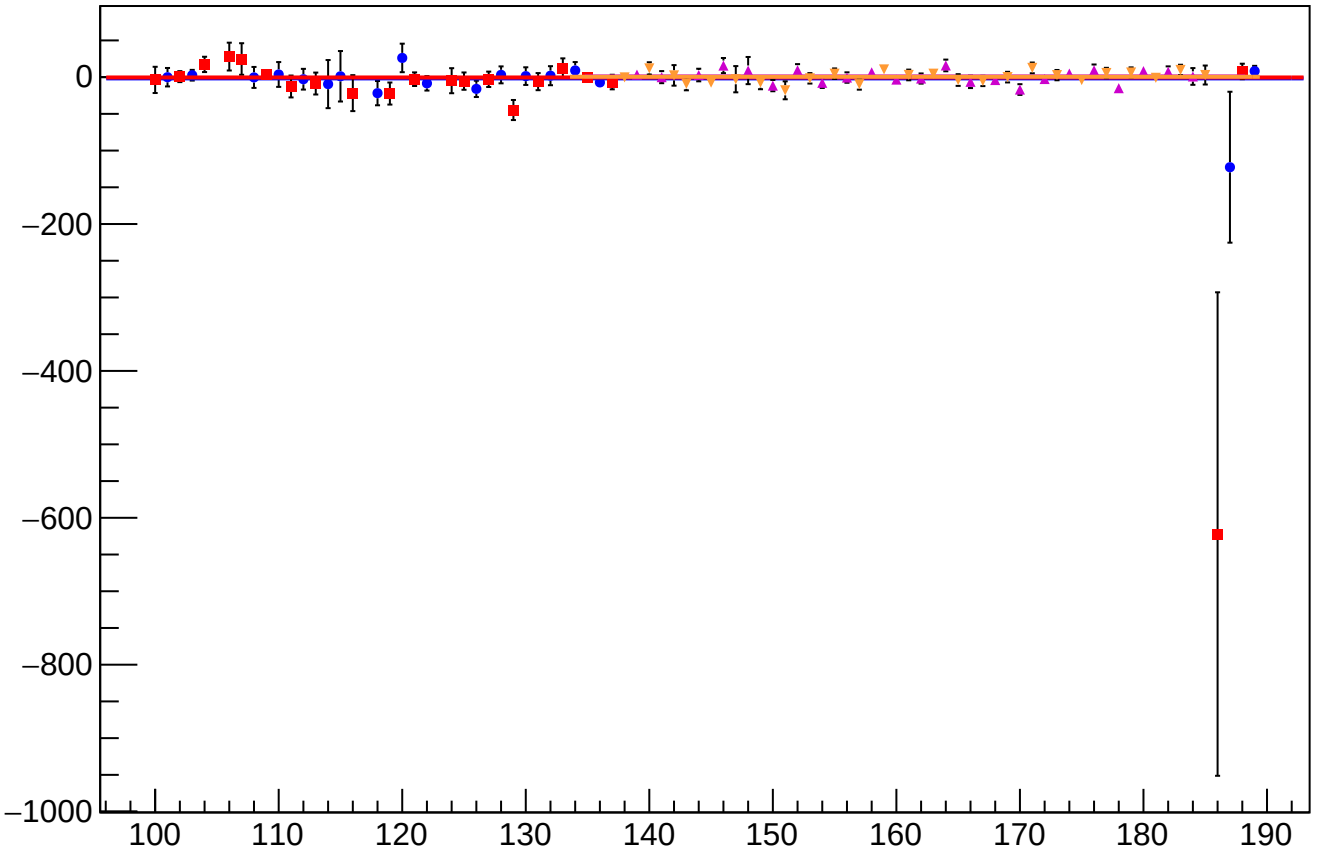
Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

Right: 11959.215+/-2.099 χ^2/NDF: 953379.5/38

In: 12111.192+/-1.706 χ^2/NDF:1860741.4/40

Out: 12067.767+/-1.645 χ^2/NDF:2080145.4/45

All: 12088.685+/-1.184 χ^2/NDF: 3941222.6/8



Right In: -1.728+/-2.488 χ^2/NDF: 12.2/17

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -0.454+/-2.295 χ^2/NDF: 28.0/20

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

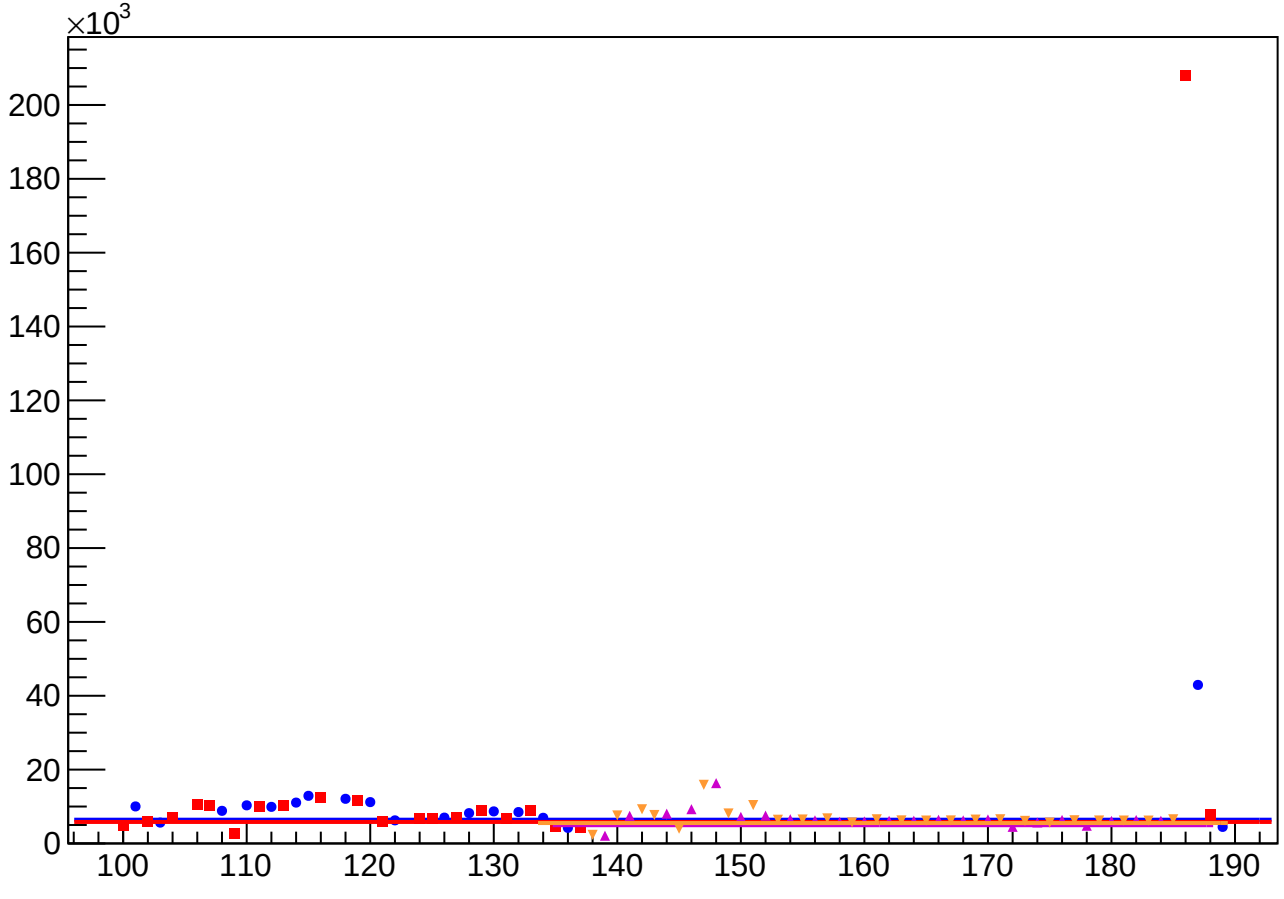
Right: -1.040+/-1.687 χ^2/NDF: 40.4/38

In: 0.377+/-1.148 χ^2/NDF:45.3/40

Out: 0.269+/-1.176 χ^2/NDF:49.6/45

All: 0.324+/-0.821 χ^2/NDF: 94.9/86

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6433.492+/-1.759 χ^2/NDF: 1990282.1/17

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 5823.560+/-1.623 χ^2/NDF: 3136883.3/20

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

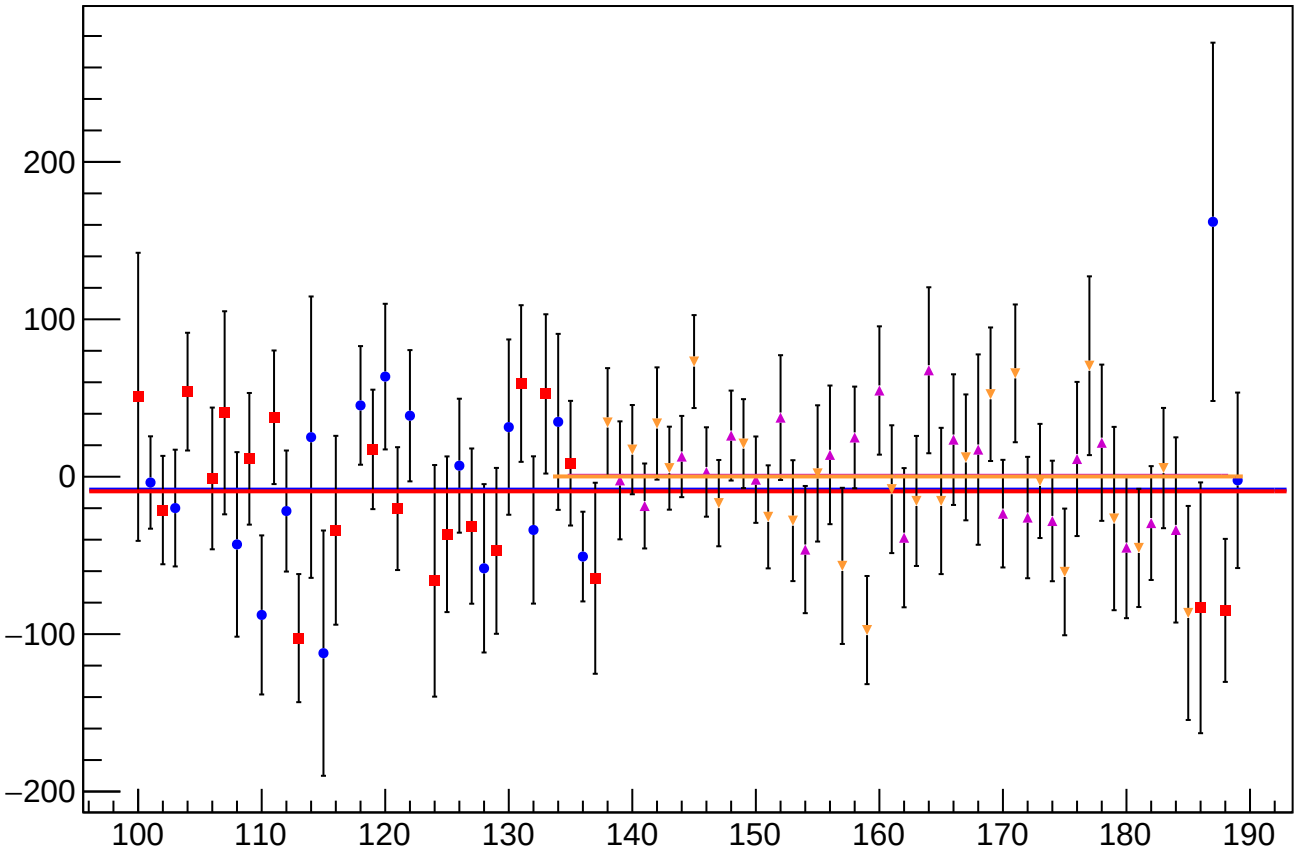
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 6103.990+/-1.193 χ^2/NDF: 5192113.1/38

In: 5259.718+/-0.812 χ^2/NDF:8492149.8/40

Out: 5605.522+/-0.831 χ^2/NDF:7537078.0/45

All: 5428.552+/-0.581 χ^2/NDF: 16117797.9/8



Right In: -8.203+/-10.591 χ^2/NDF: 17.6/17

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

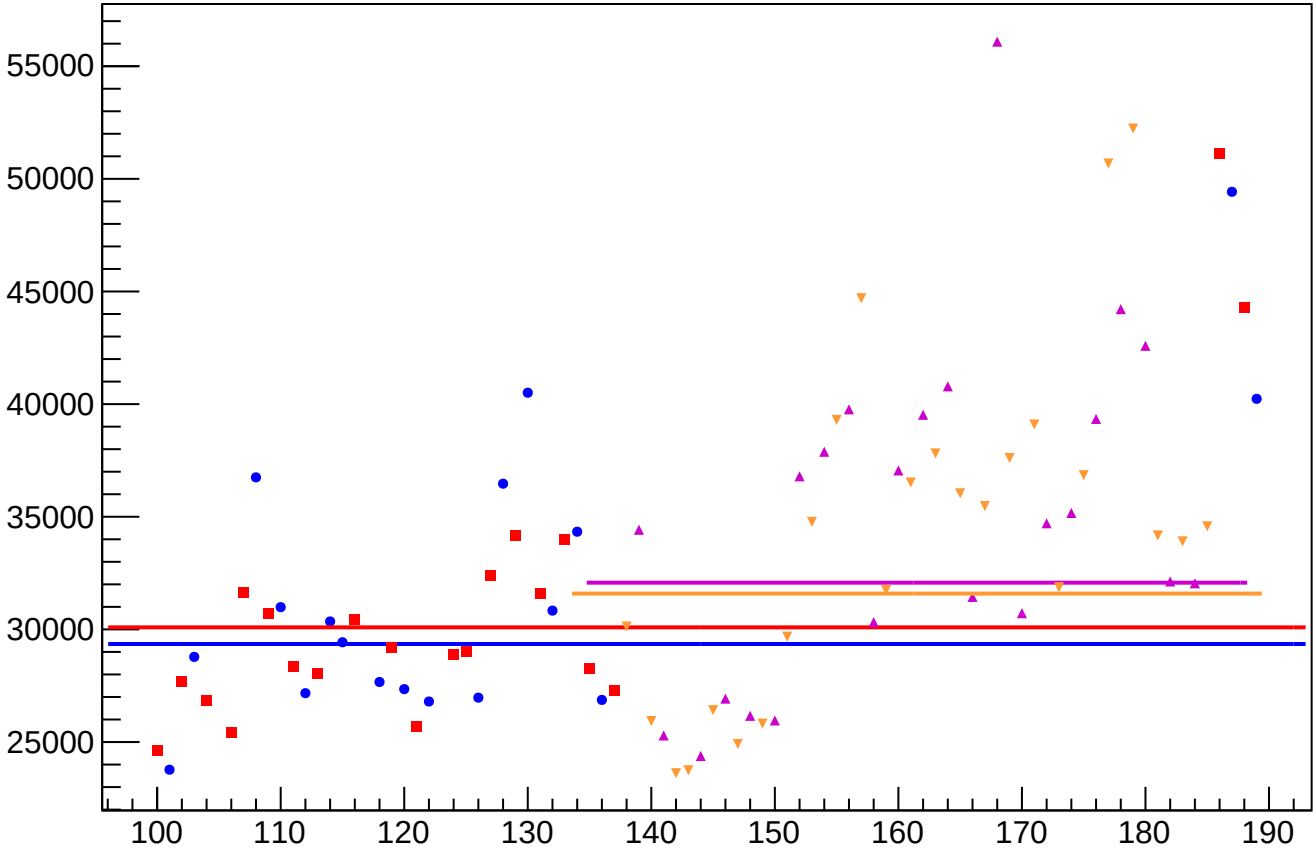
Right: -8.757+/-7.373 χ^2/NDF: 38.8/38

In: -2.436+/-6.210 χ^2/NDF:30.8/40

Out: -3.046+/-5.990 χ^2/NDF:52.9/45

All: -2.752+/-4.312 χ^2/NDF: 83.7/86

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 29352.264+/-7.489 χ^2/NDF: 422060.2/17

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 30090.592+/-7.262 χ^2/NDF: 464475.8/20

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

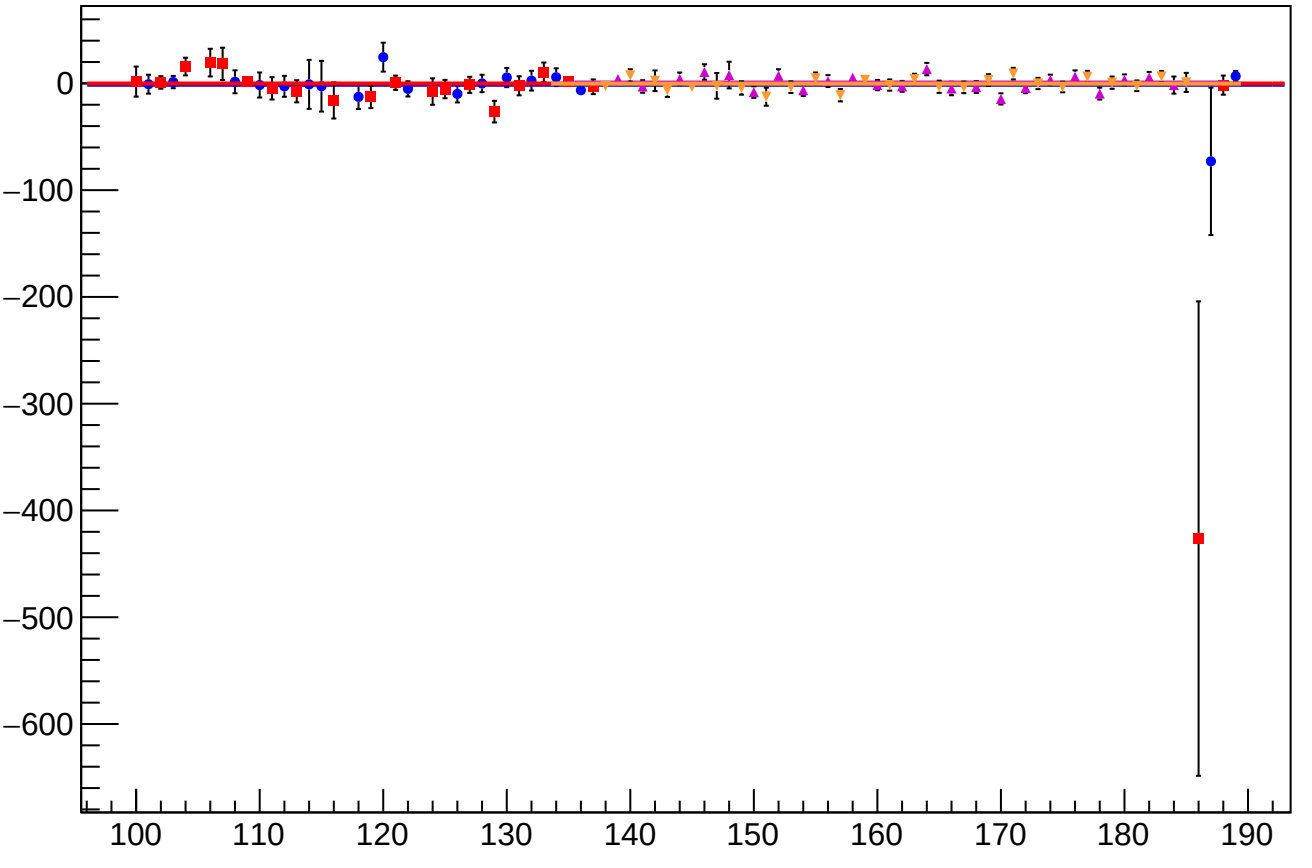
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

Right: 29732.793+/-5.213 χ^2/NDF: 891545.5/38

In: 31138.833+/-4.391 χ^2/NDF:1964509.6/40

Out: 31079.755+/-4.236 χ^2/NDF:2083465.6/45

All: 31108.228+/-3.049 χ^2/NDF: 4048069.0/8



Right In: -1.282+/-1.782 χ^2/NDF: 14.2/17

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -0.084+/-1.791 χ^2/NDF: 23.7/20

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

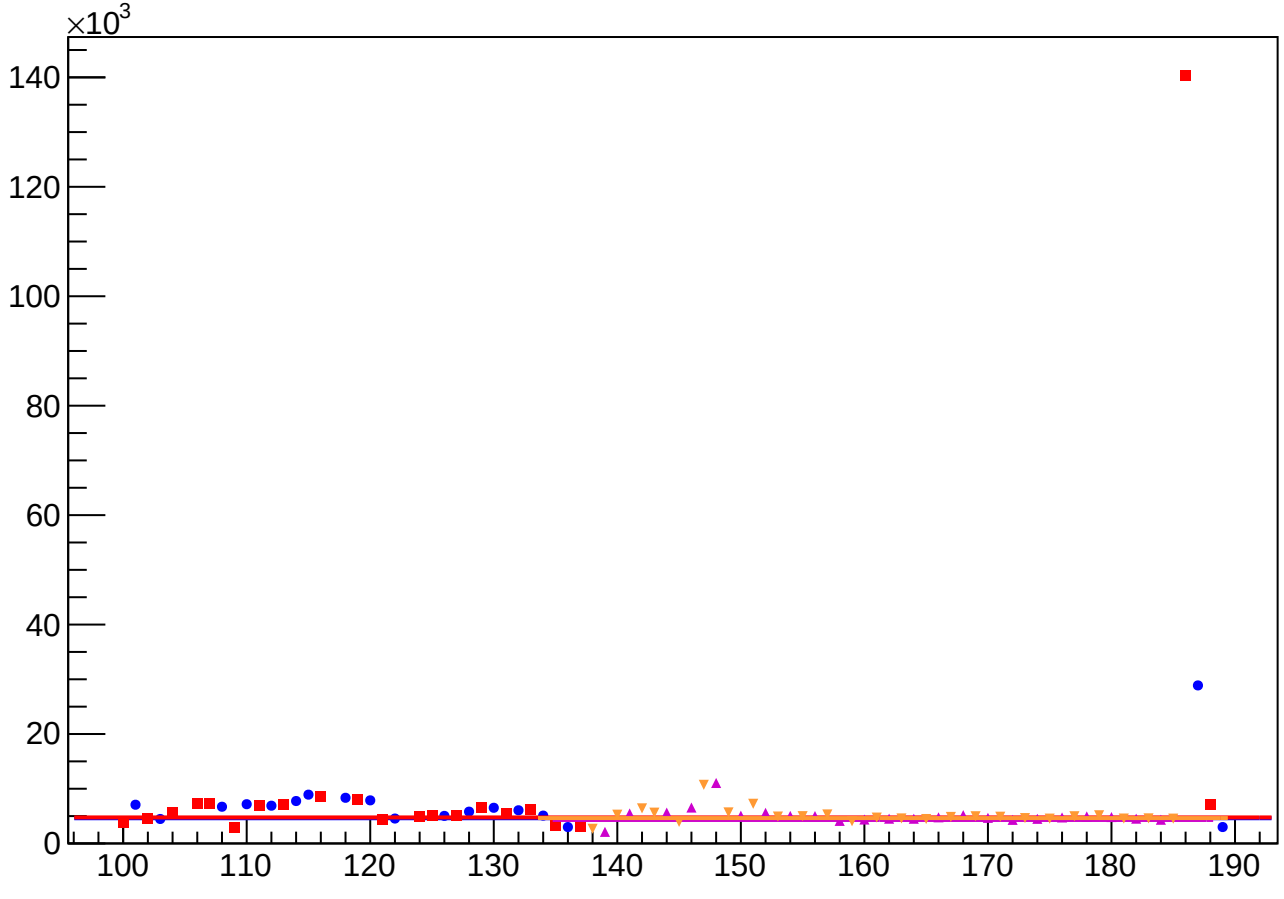
Right: -0.686+/-1.263 χ^2/NDF: 38.1/38

In: 0.247+/-0.911 χ^2/NDF:49.0/40

Out: -0.187+/-0.934 χ^2/NDF:43.6/45

All: 0.035+/-0.652 χ^2/NDF: 92.7/86

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4607.012+/-1.260 χ^2/NDF: 2042104.7/17

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4757.478+/-1.267 χ^2/NDF: 2325949.2/20

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

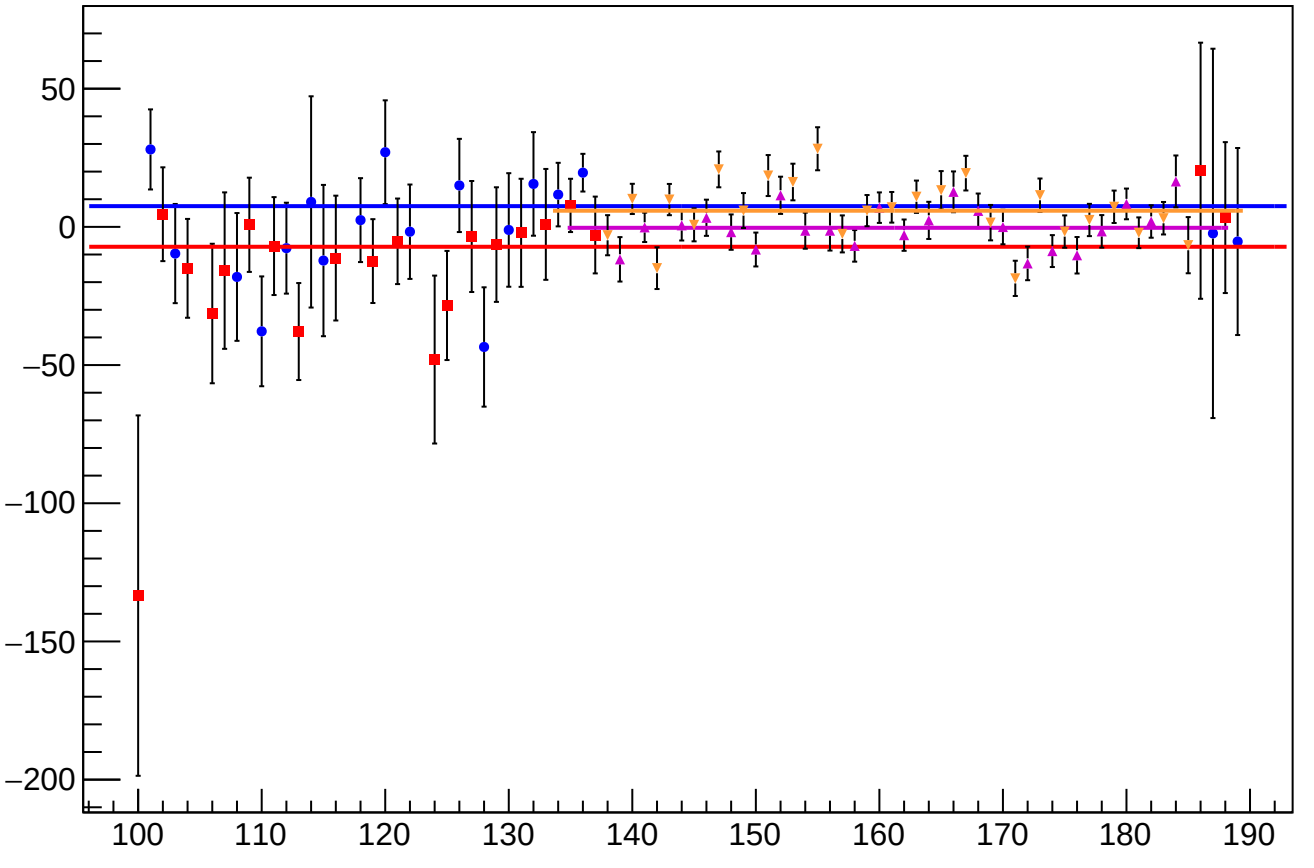
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 4681.862+/-0.893 χ^2/NDF: 4375146.4/38

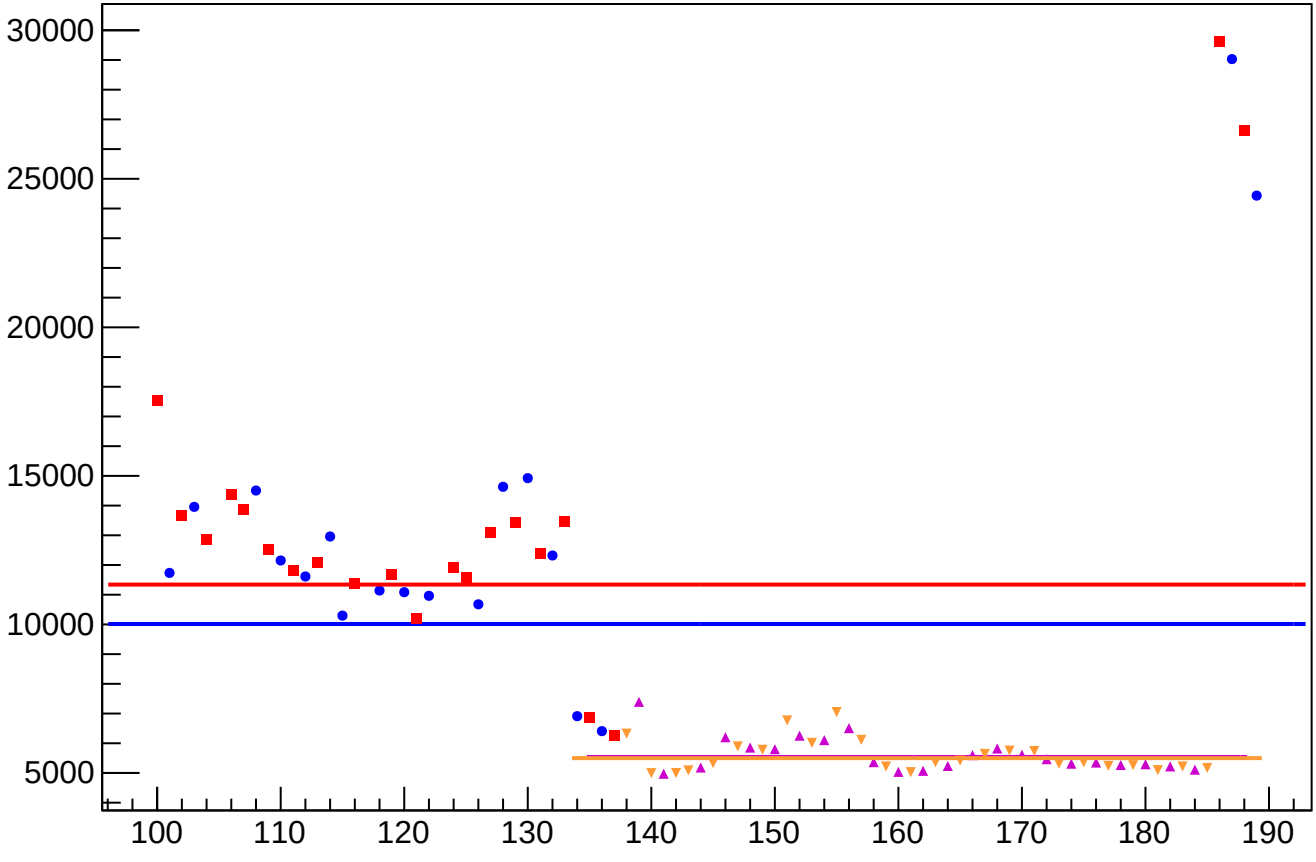
In: 4376.666+/-0.644 χ^2/NDF:5182965.4/40

Out: 4670.020+/-0.660 χ^2/NDF:4095599.0/45

All: 4519.819+/-0.461 χ^2/NDF: 9379672.0/86


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: 7.503+/-3.790 χ²/NDF: 21.8/17
Left Out: 5.849+/-1.257 χ²/NDF:60.0/24
Right Out: -7.197+/-4.038 χ²/NDF: 15.1/20
Left In: -0.337+/-1.301 χ²/NDF:29.4/22
Left: 2.861+/-0.904 χ²/NDF: 101.1/47
Right: 0.620+/-2.763 χ²/NDF: 43.9/38
In: 0.490+/-1.230 χ²/NDF:55.0/40
Out: 4.696+/-1.201 χ²/NDF:84.7/45
All: 2.644+/-0.859 χ²/NDF: 145.6/86

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10014.665+/-2.680 χ^2/NDF: 1747133.9/17

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 11340.929+/-2.856 χ^2/NDF: 1842086.8/20

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

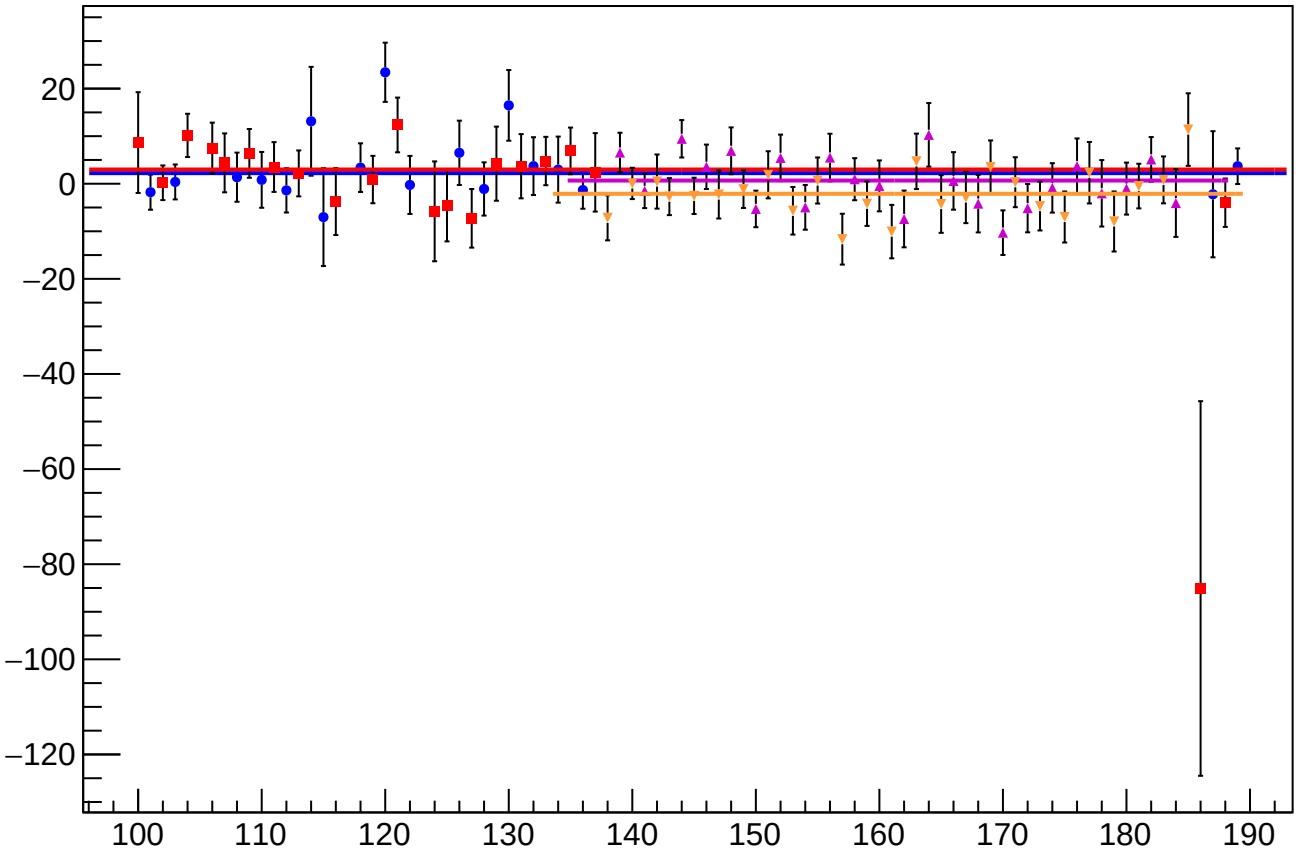
Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

Right: 10635.684+/-1.954 χ^2/NDF: 3703927.6/38

In: 6009.662+/-0.870 χ^2/NDF:4548280.8/40

Out: 6015.505+/-0.849 χ^2/NDF:5954978.4/45

All: 6012.655+/-0.608 χ^2/NDF: 10503282.3/8



Right In: 2.224+/-1.260 χ^2/NDF: 21.2/17

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 2.991+/-1.263 χ^2/NDF: 20.5/20

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

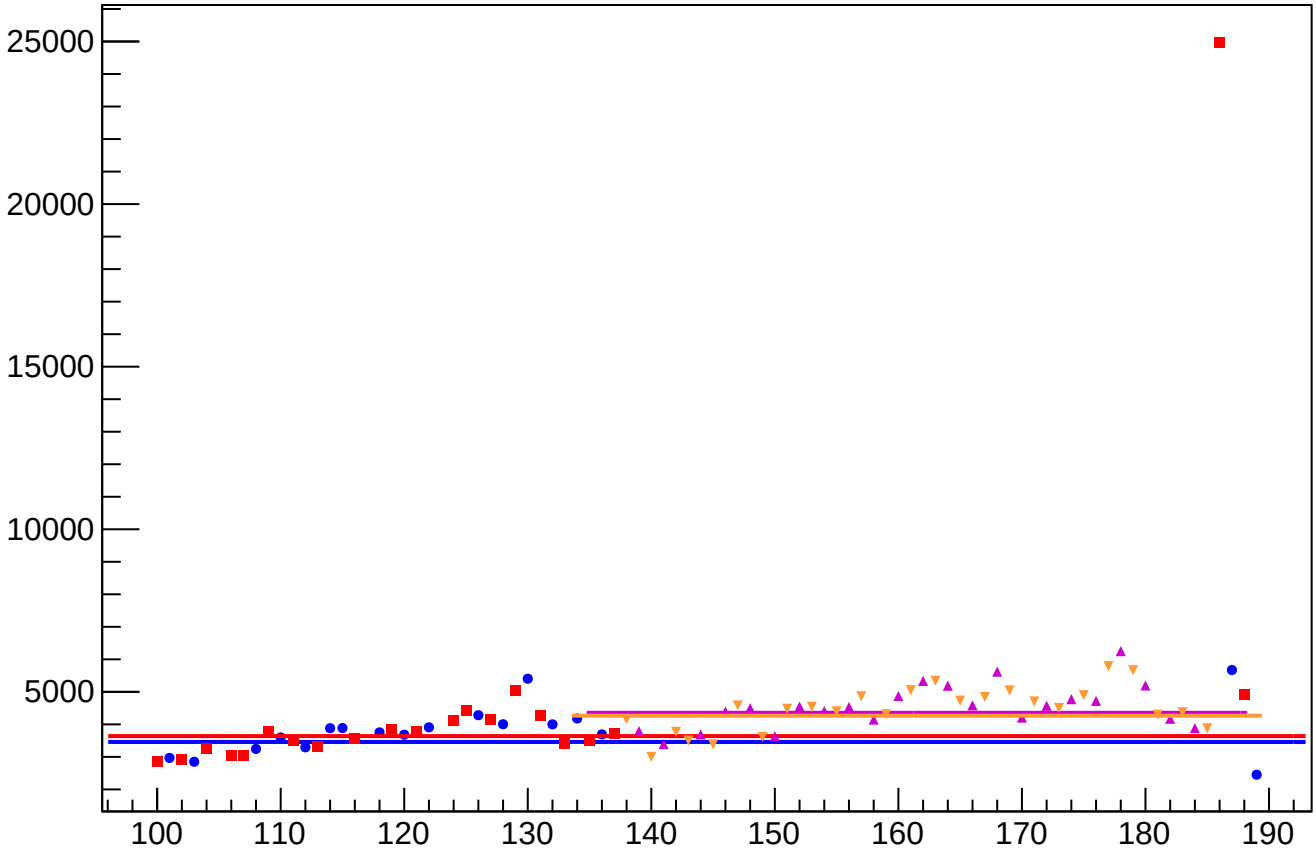
Right: 2.607+/-0.892 χ^2/NDF: 41.9/38

In: 1.293+/-0.798 χ^2/NDF:50.5/40

Out: -0.178+/-0.778 χ^2/NDF:48.1/45

All: 0.539+/-0.557 χ^2/NDF: 100.4/86

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3459.156+/-0.891 χ^2/NDF: 553823.9/17

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3639.638+/-0.893 χ^2/NDF: 1005205.6/20

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

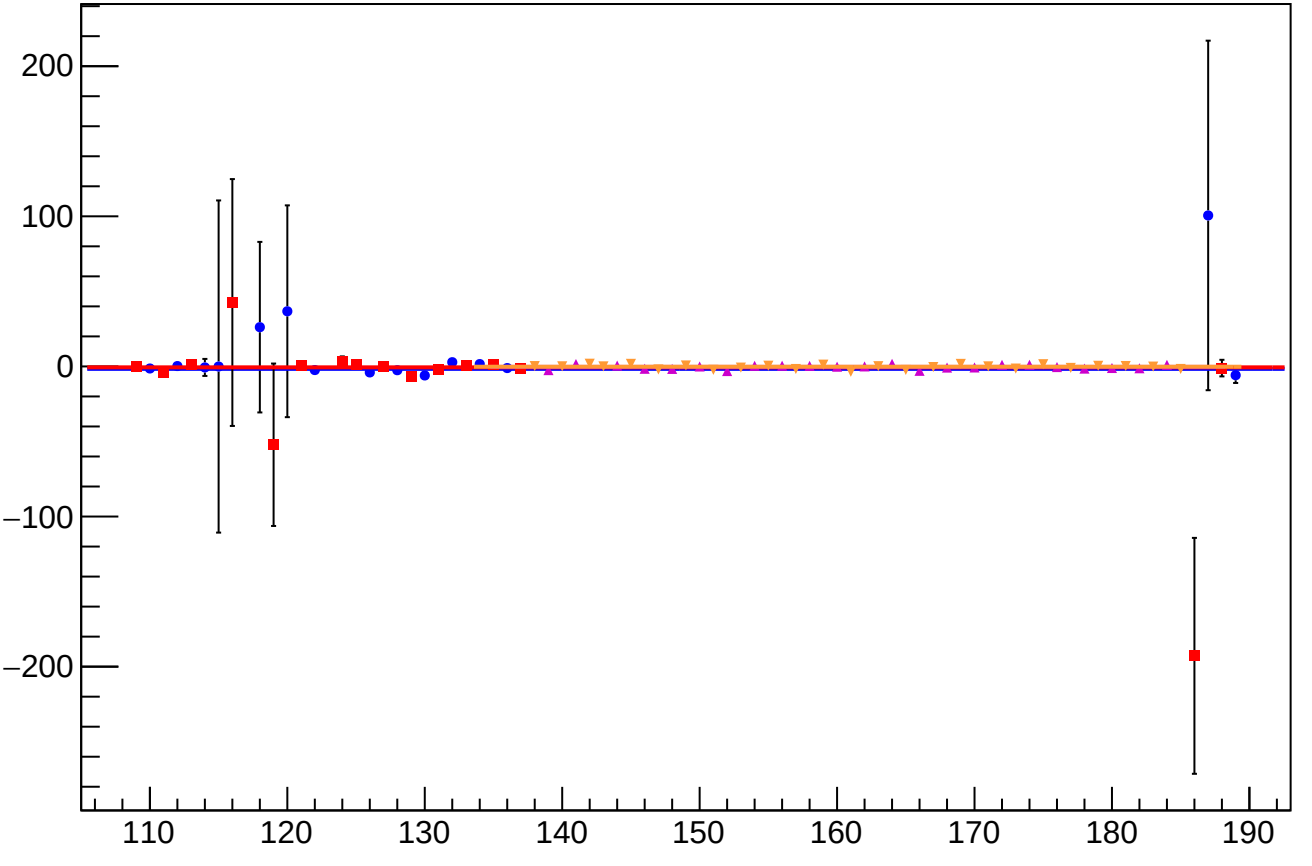
Right: 3549.240+/-0.631 χ^2/NDF: 1579495.9/38

In: 3996.467+/-0.564 χ^2/NDF:1903373.3/40

Out: 4029.365+/-0.550 χ^2/NDF:2346944.9/45

All: 4013.338+/-0.394 χ^2/NDF: 4252061.4/86

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.616+/-0.725 χ^2/NDF: 12.5/14

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.612+/-0.711 χ^2/NDF: 18.7/15

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

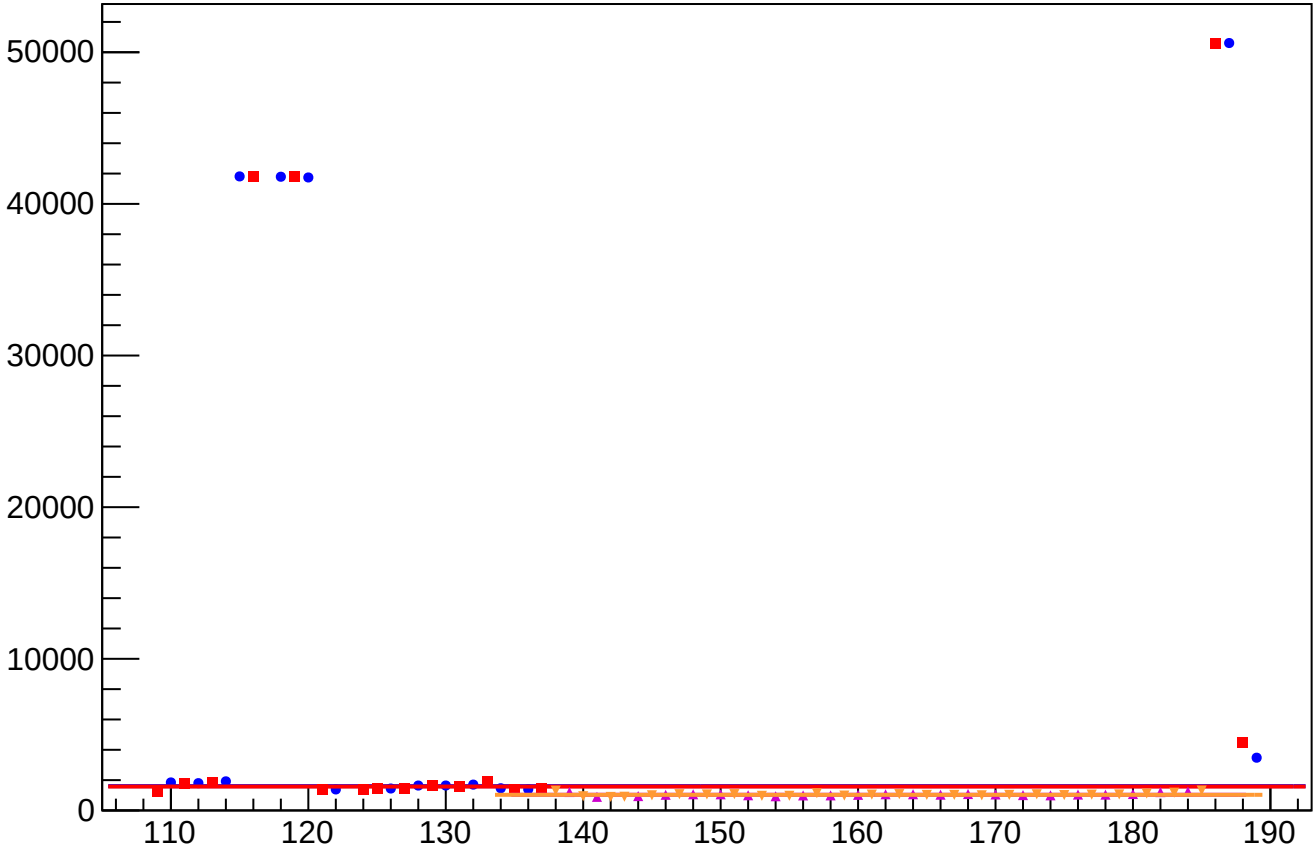
Right: -1.104+/-0.508 χ^2/NDF: 32.2/30

In: -0.462+/-0.230 χ^2/NDF:44.8/37

Out: -0.242+/-0.224 χ^2/NDF:52.9/40

All: -0.349+/-0.160 χ^2/NDF: 98.2/78

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1603.697+/-0.513 χ^2/NDF: 2638671.3/14

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1576.334+/-0.503 χ^2/NDF: 3071602.1/15

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

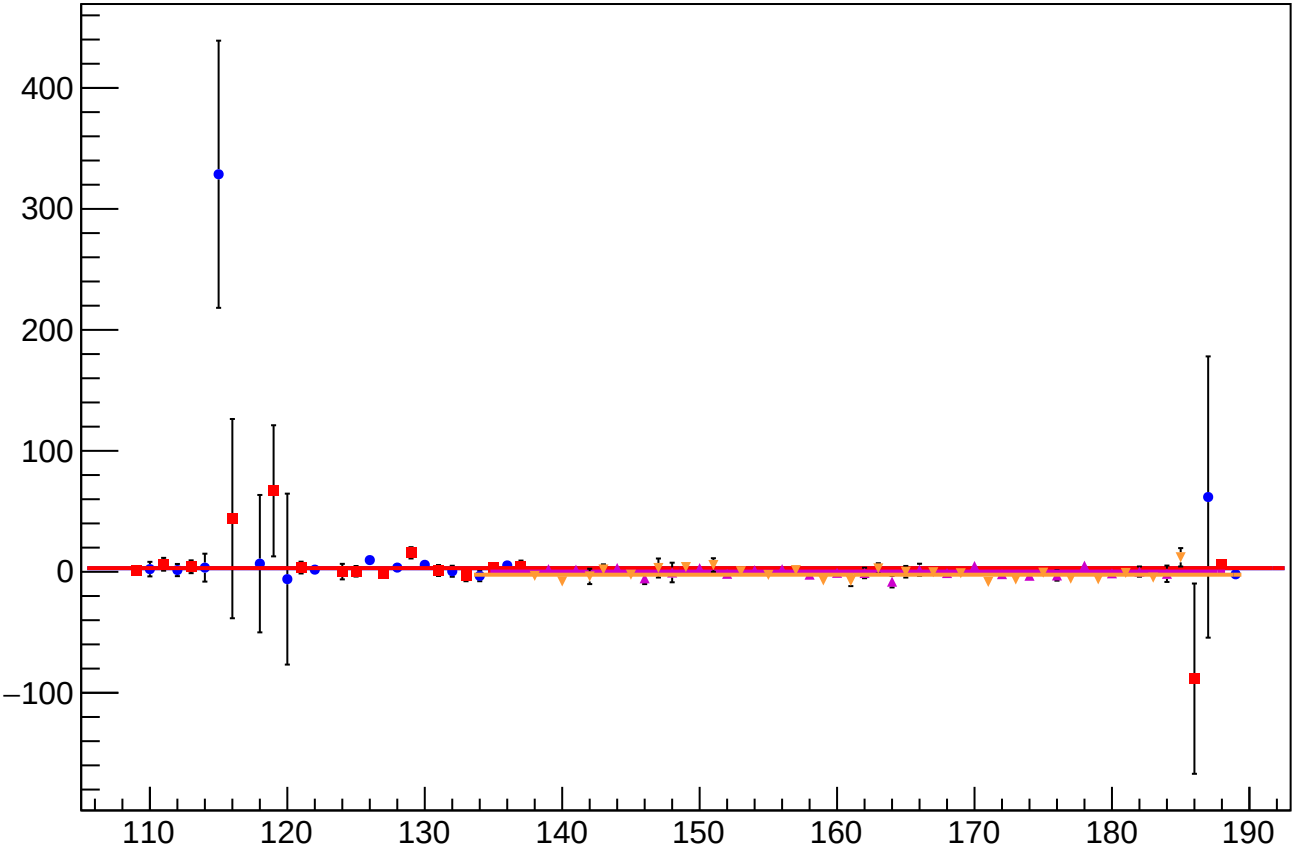
Right: 1589.741+/-0.359 χ^2/NDF: 5711724.3/30

In: 1089.954+/-0.162 χ^2/NDF:3940456.6/37

Out: 1085.327+/-0.158 χ^2/NDF:4373846.2/40

All: 1087.578+/-0.113 χ^2/NDF: 8314719.5/78

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 2.952+/-1.156 χ^2/NDF: 18.5/14

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 3.065+/-1.147 χ^2/NDF: 15.9/15

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

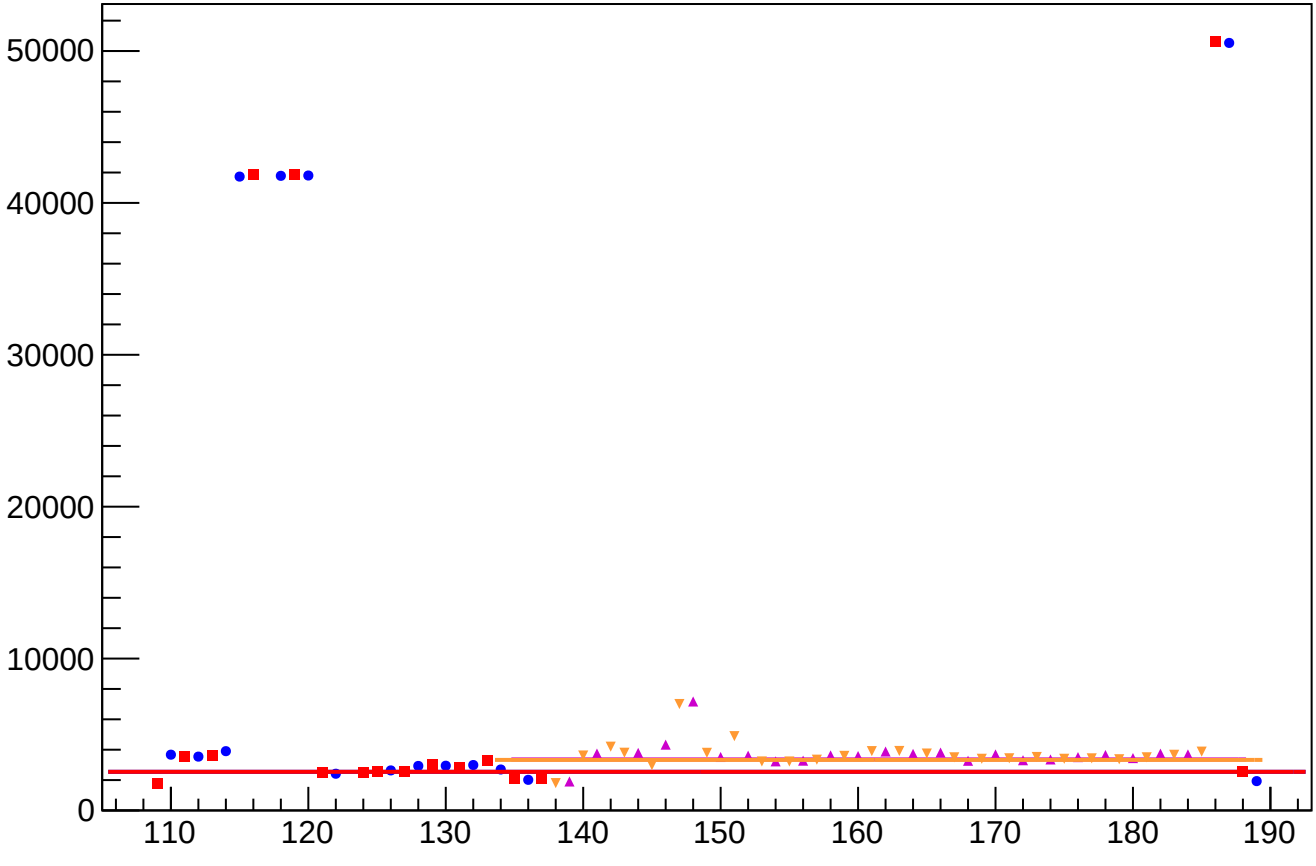
Right: 3.009+/-0.814 χ^2/NDF: 34.4/30

In: 1.086+/-0.663 χ^2/NDF:35.1/37

Out: -0.652+/-0.646 χ^2/NDF:55.6/40

All: 0.195+/-0.463 χ^2/NDF: 94.2/78

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2543.682+/-0.817 χ^2/NDF: 2606014.7/14

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2544.571+/-0.811 χ^2/NDF: 2697025.3/15

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

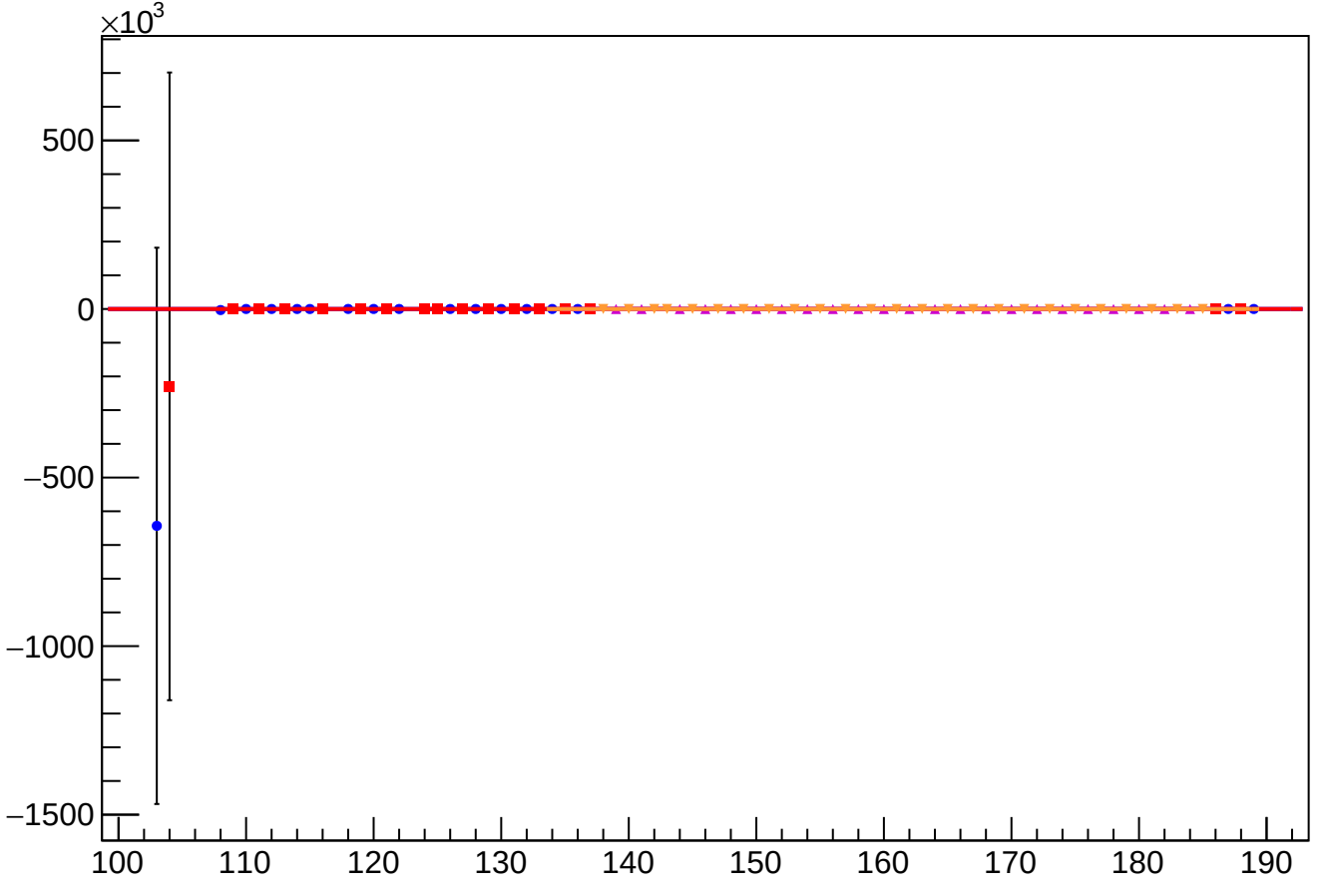
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 2544.130+/-0.576 χ^2/NDF: 5303040.6/30

In: 3091.842+/-0.469 χ^2/NDF:4925975.3/37

Out: 3079.511+/-0.457 χ^2/NDF:5249980.8/40

All: 3085.517+/-0.327 χ^2/NDF: 10176310.9/7



Right In: -1.304+/-1.054 χ^2/NDF: 18.9/16

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.949+/-1.135 χ^2/NDF: 19.5/16

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

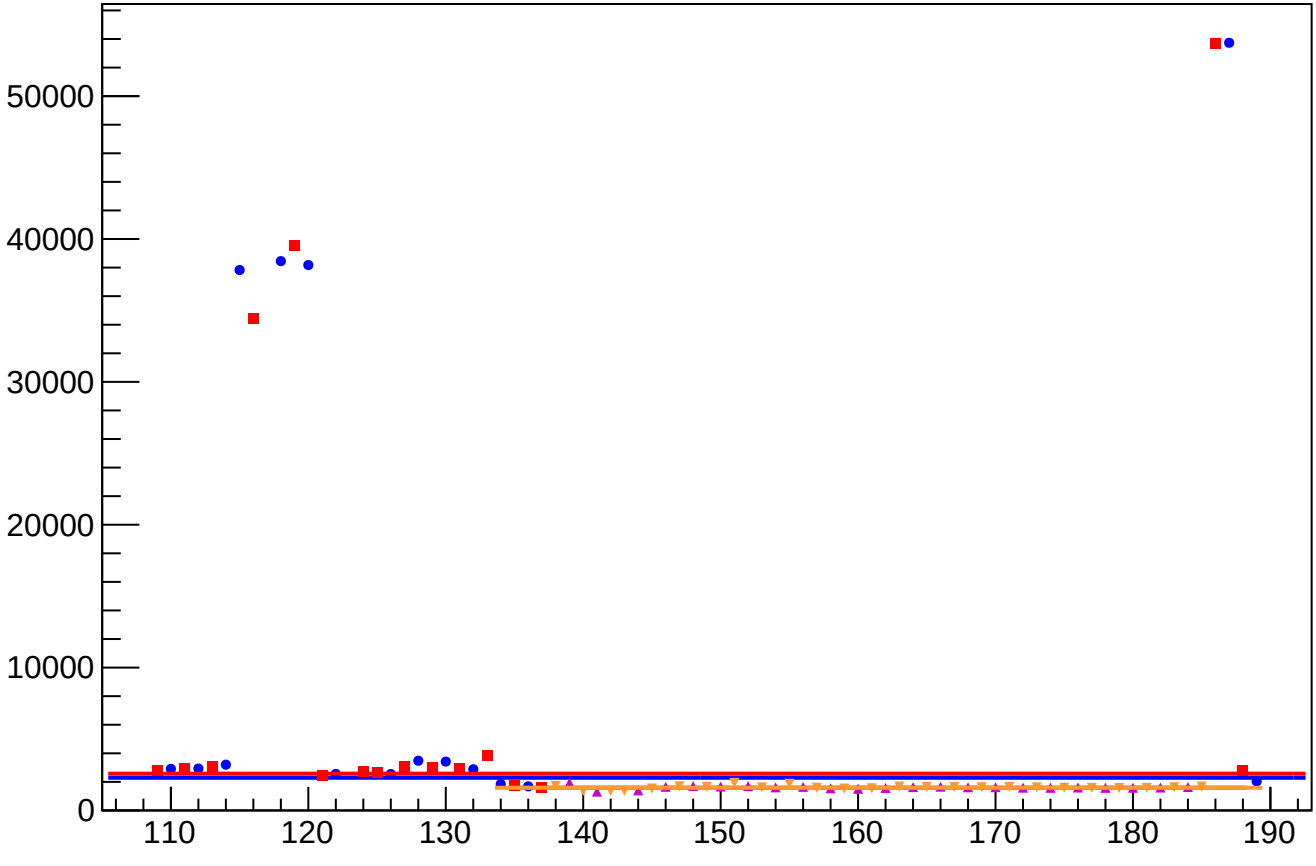
Right: 0.666+/-0.772 χ^2/NDF: 45.9/33

In: -0.162+/-0.353 χ^2/NDF:47.5/39

Out: -1.153+/-0.346 χ^2/NDF:84.2/41

All: -0.668+/-0.247 χ^2/NDF: 135.8/81

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2289.135+/-0.745 χ^2/NDF: 2823693.1/14

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2576.190+/-0.802 χ^2/NDF: 2797925.8/15

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

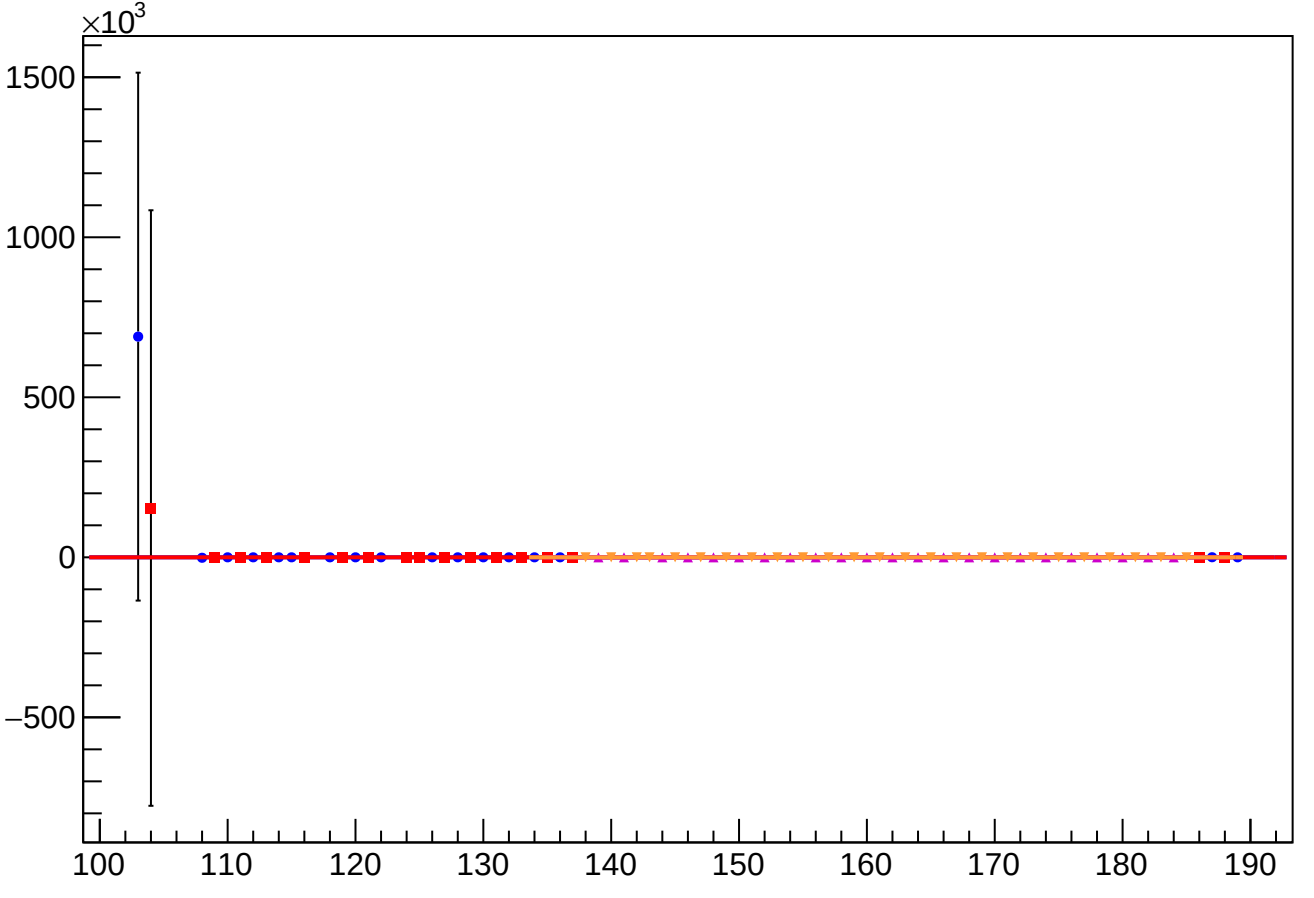
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2422.109+/-0.546 χ^2/NDF: 5690321.2/30

In: 1673.820+/-0.250 χ^2/NDF:3787962.0/37

Out: 1681.047+/-0.244 χ^2/NDF:4402383.3/40

All: 1677.508+/-0.175 χ^2/NDF: 8190773.5/78



Right In: 1.254+/-0.989 χ^2/NDF: 10.3/16

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 2.162+/-0.992 χ^2/NDF: 16.5/16

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

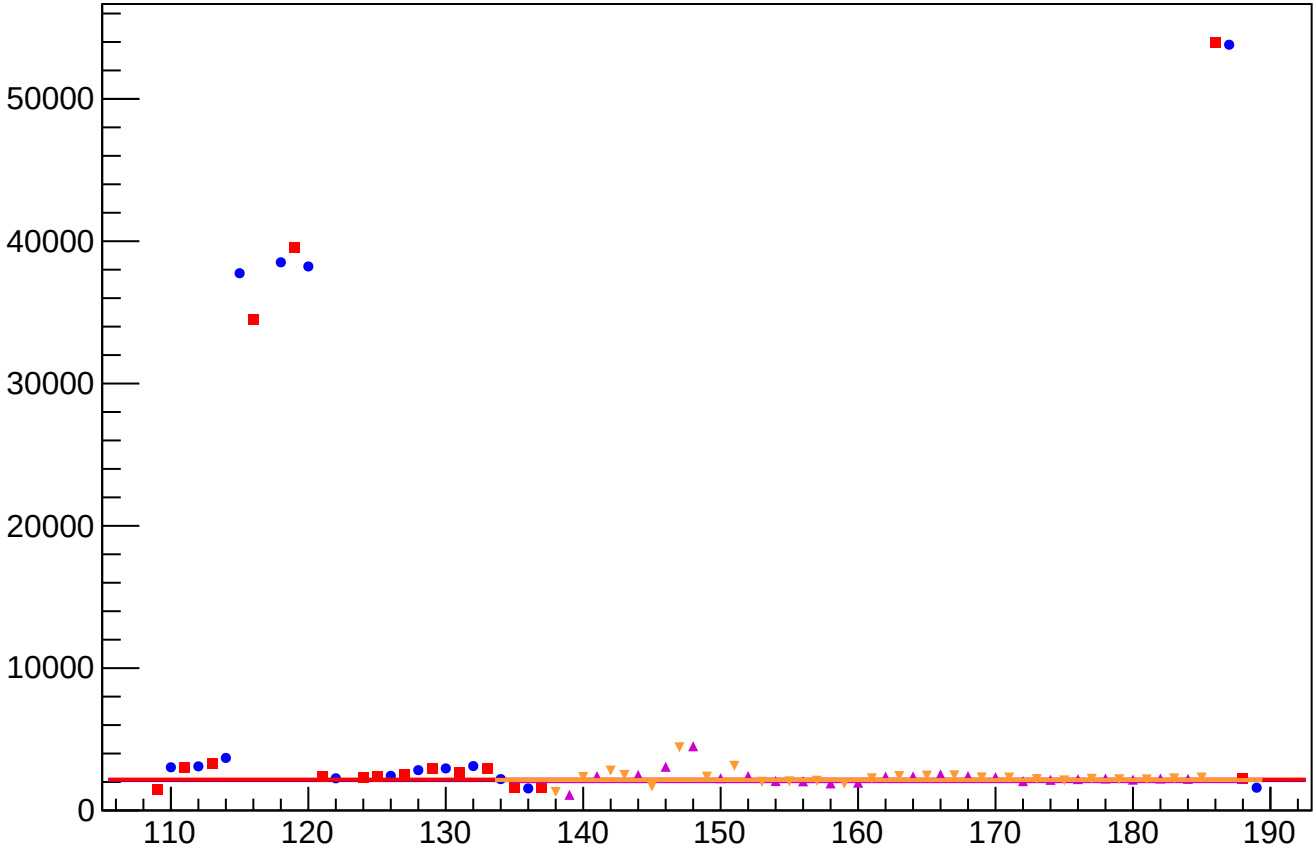
Right: 1.707+/-0.701 χ^2/NDF: 27.2/33

In: 0.157+/-0.447 χ^2/NDF:28.7/39

Out: -0.497+/-0.448 χ^2/NDF:49.9/41

All: -0.169+/-0.317 χ^2/NDF: 79.7/81

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2132.629+/-0.700 χ^2/NDF: 2976916.4/14

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 2168.036+/-0.702 χ^2/NDF: 2995602.4/15

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

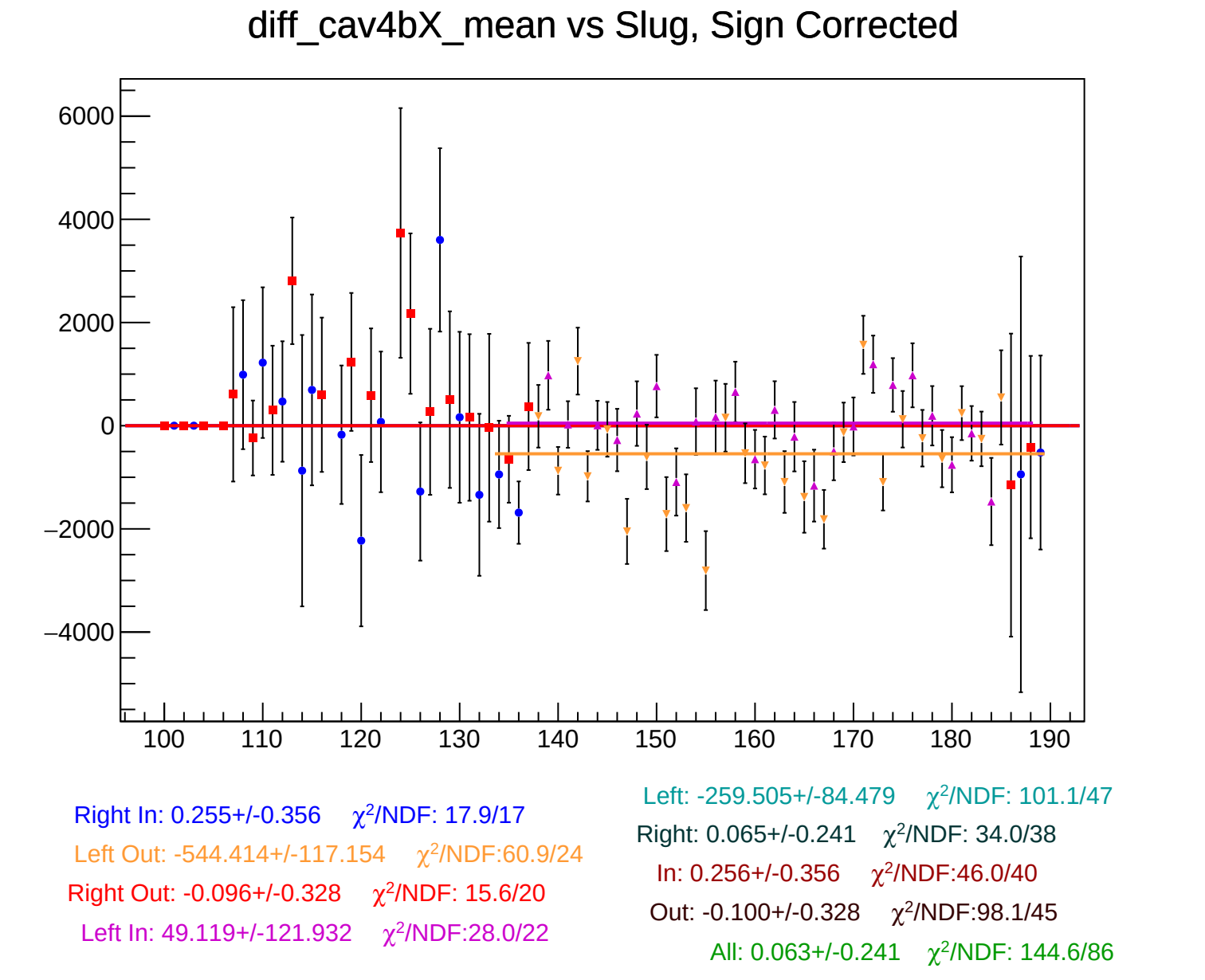
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

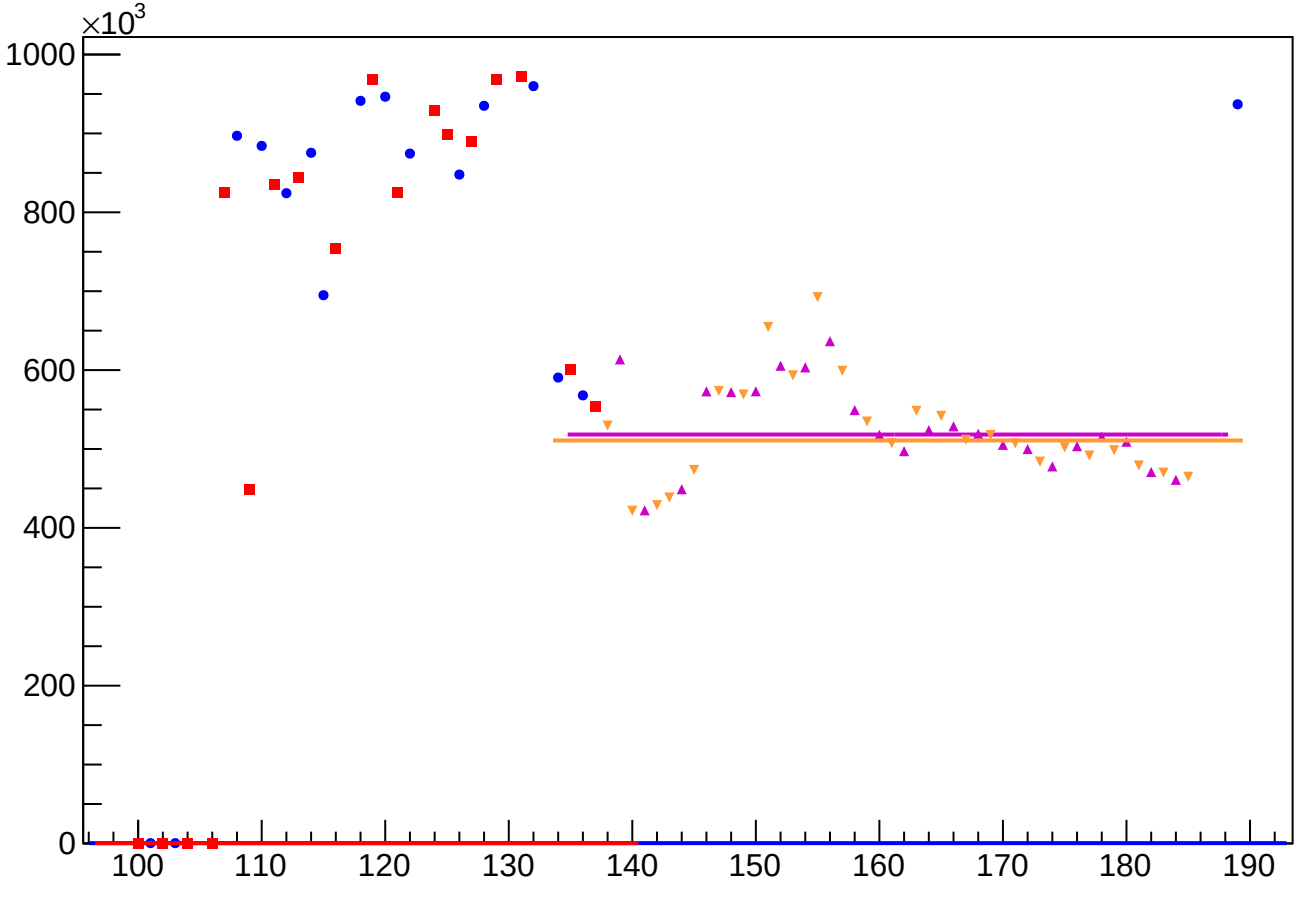
Right: 2150.285+/-0.495 χ^2/NDF: 5973795.9/30

In: 2073.414+/-0.316 χ^2/NDF:5279520.5/37

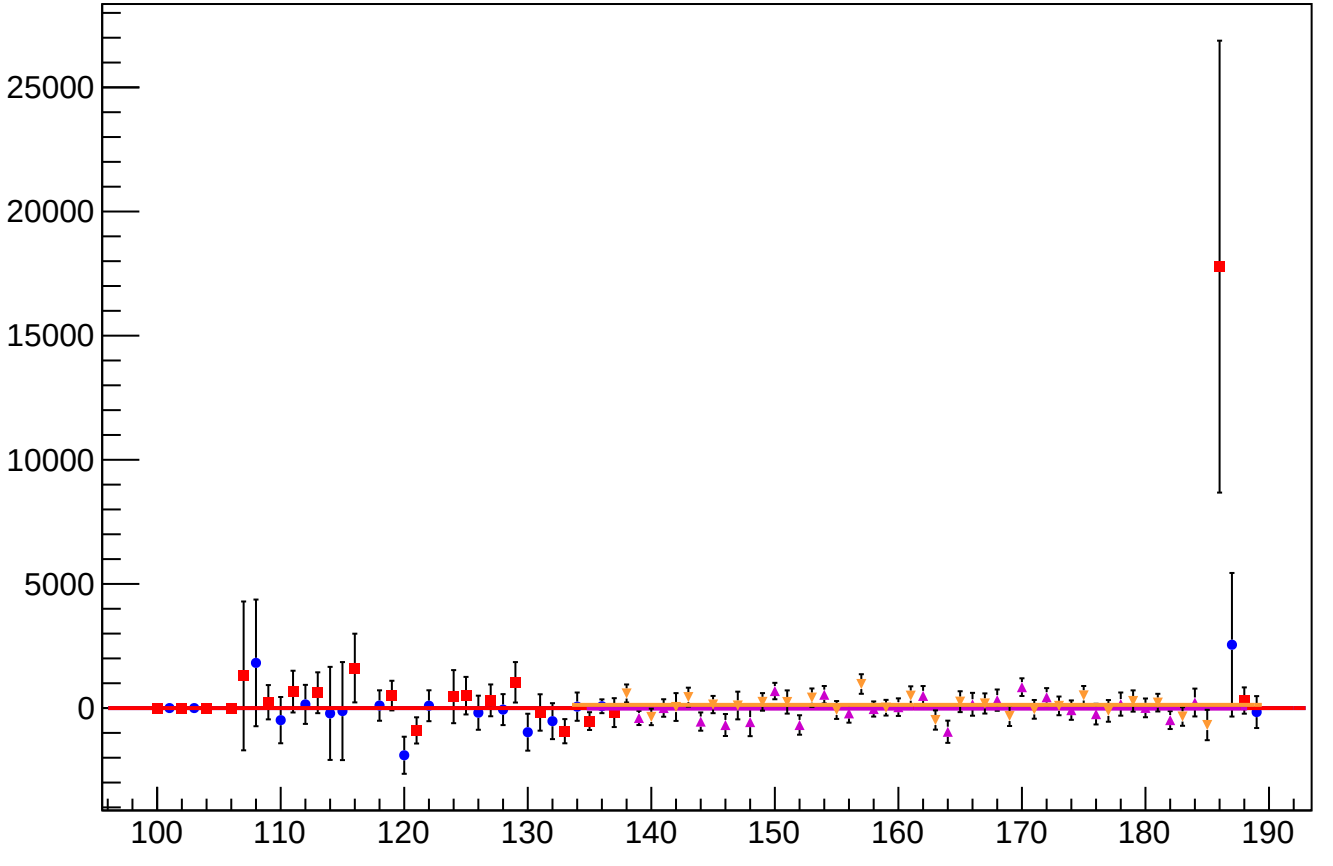
Out: 2145.125+/-0.317 χ^2/NDF:4476943.1/40

All: 2109.181+/-0.224 χ^2/NDF: 9782120.2/78


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 0.255+/-0.356 χ²/NDF: 17.9/17
Left Out: -544.414+/-117.154 χ²/NDF:60.9/24
Right Out: -0.096+/-0.328 χ²/NDF: 15.6/20
Left In: 49.119+/-121.932 χ²/NDF:28.0/22
Left: -259.505+/-84.479 χ²/NDF: 101.1/47
Right: 0.065+/-0.241 χ²/NDF: 34.0/38
In: 0.256+/-0.356 χ²/NDF:46.0/40
Out: -0.100+/-0.328 χ²/NDF:98.1/45
All: 0.063+/-0.241 χ²/NDF: 144.6/86


diff_cav4bX_rms vs Slug, Sign Corrected
×10^3
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 398.894+/-0.251 χ²/NDF: 8685185.3/15
Left Out: 510811.545+/-82.841 χ²/NDF:509606.7/24
Right Out: 393.240+/-0.232 χ²/NDF: 7648578.2/17
Left In: 518313.411+/-86.219 χ²/NDF:399884.6/22
Left: 514412.615+/-59.736 χ²/NDF: 913427.9/47
Right: 395.837+/-0.170 χ²/NDF: 16334036.8/33
In: 403.300+/-0.251 χ²/NDF:45168150.0/38
Out: 397.235+/-0.232 χ²/NDF:46121298.2/42
All: 400.021+/-0.170 χ²/NDF: 91289762.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 11.3/17

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 19.1/20

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

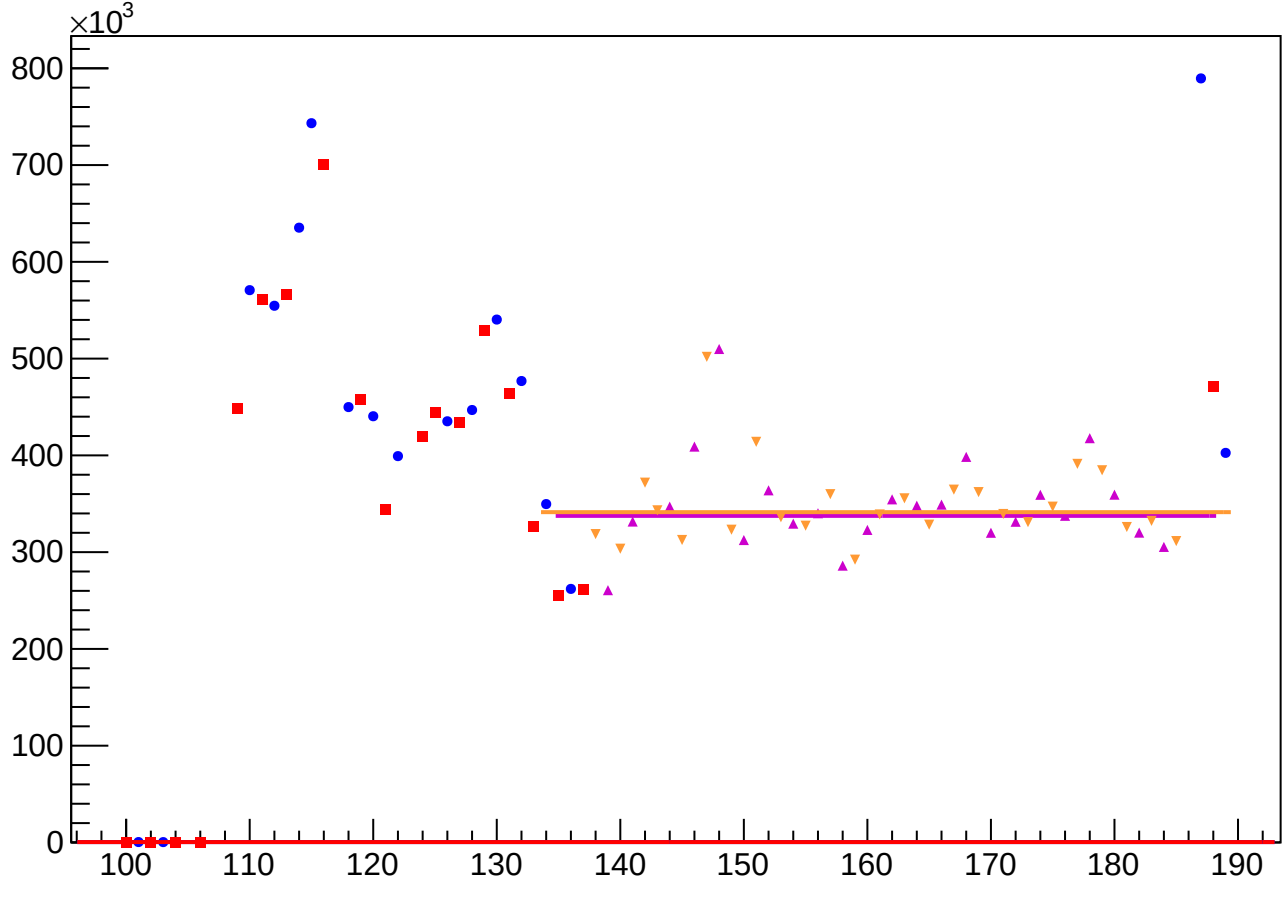
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 31.9/38

In: -0.021+/-0.347 χ^2/NDF:45.1/40

Out: -0.596+/-0.324 χ^2/NDF:42.0/45

All: -0.329+/-0.237 χ^2/NDF: 88.5/86



Right In: 390.392+/-0.245 χ^2/NDF: 11925367.0/16

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 388.156+/-0.229 χ^2/NDF: 12613785.5/18

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

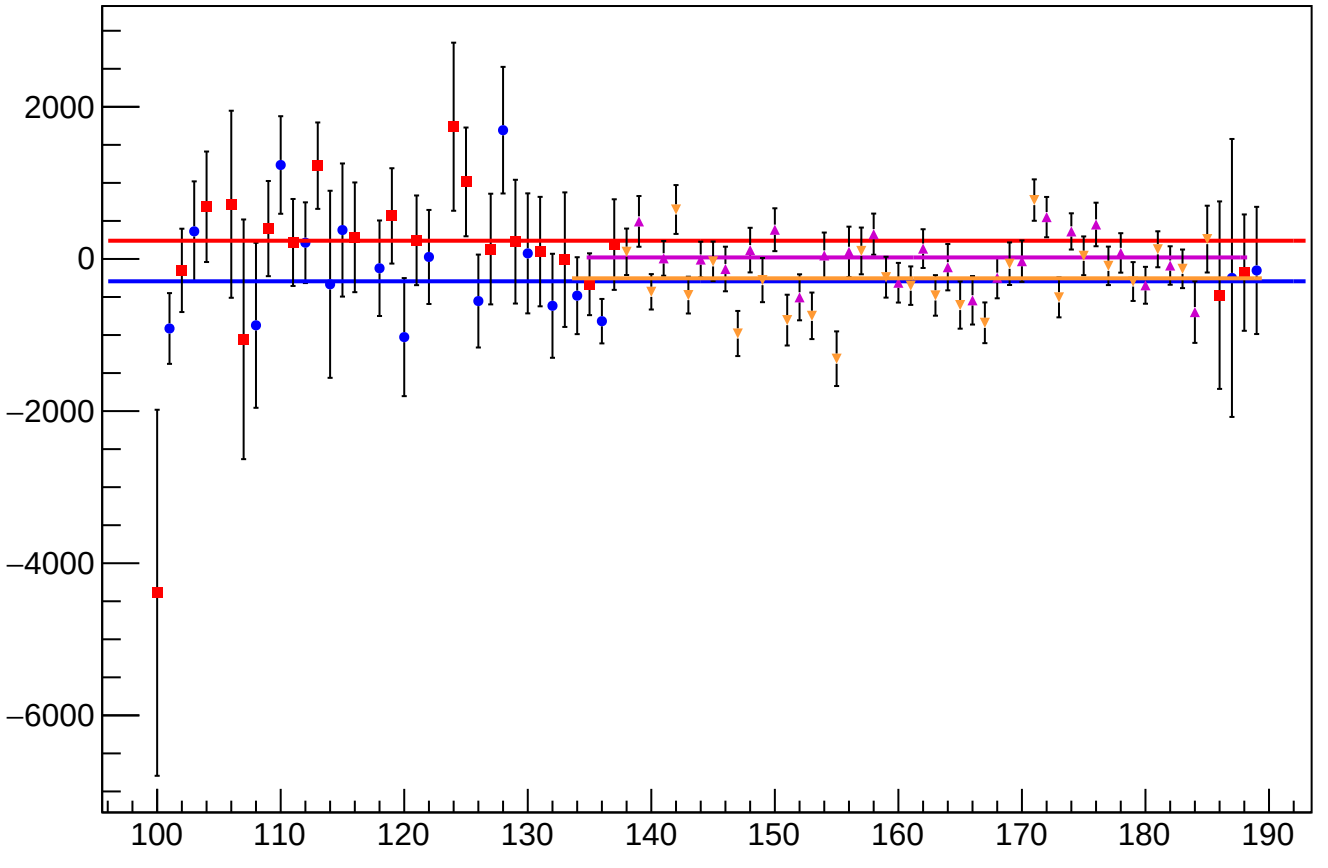
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

Right: 389.196+/-0.167 χ^2/NDF: 24539196.9/35

In: 396.775+/-0.245 χ^2/NDF:48243963.0/39

Out: 393.994+/-0.229 χ^2/NDF:50985265.2/43

All: 395.288+/-0.167 χ^2/NDF: 99229296.8/83



Right In: -293.545+/-144.674 χ^2/NDF: 21.2/17

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 239.771+/-152.226 χ^2/NDF: 14.5/20

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

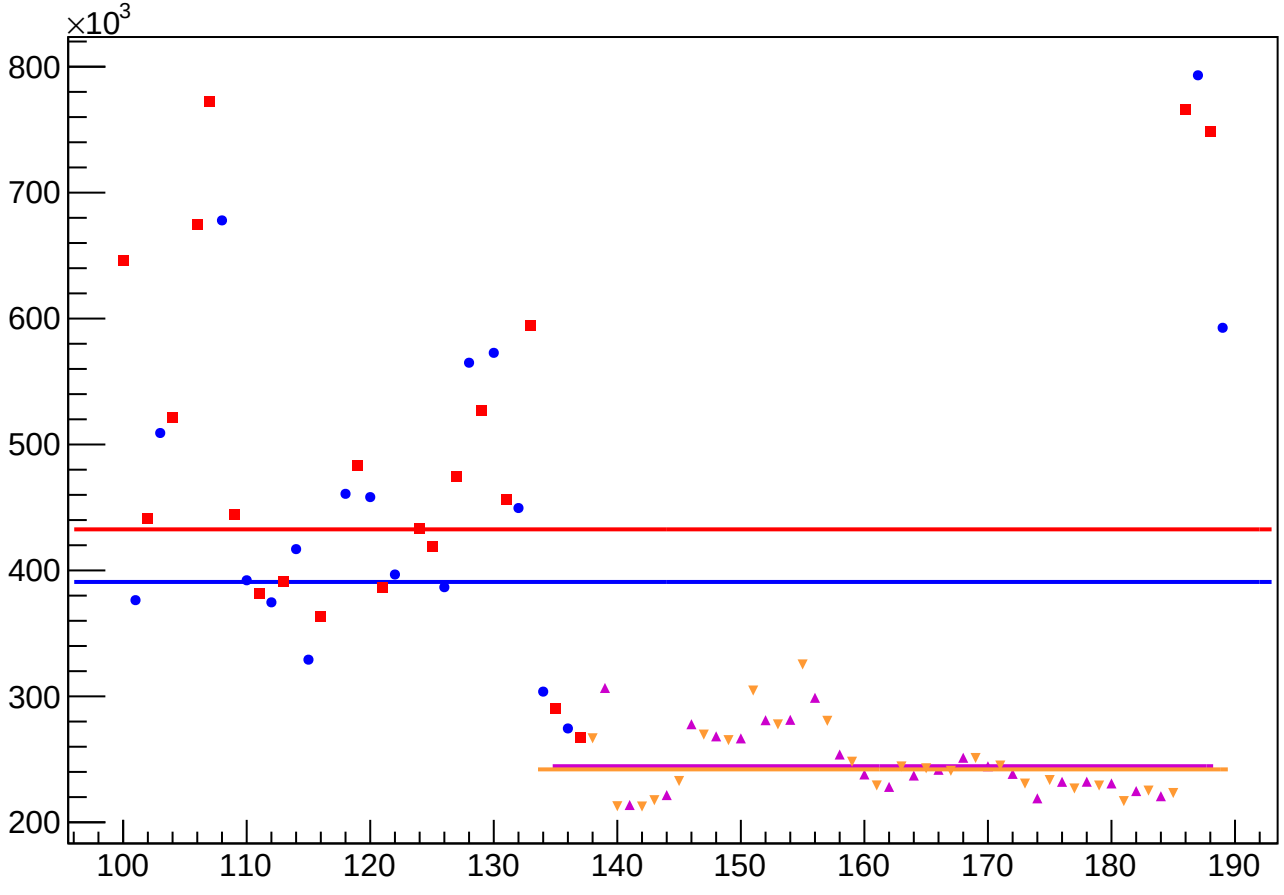
Right: -40.443+/-104.868 χ^2/NDF: 42.2/38

In: -22.599+/-53.421 χ^2/NDF:53.8/40

Out: -196.546+/-52.074 χ^2/NDF:85.1/45

All: -111.794+/-37.289 χ^2/NDF: 144.4/86

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 390851.311+/-102.318 χ^2/NDF: 1057243.4/17

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 432614.802+/-107.725 χ^2/NDF: 1263908.5/20

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

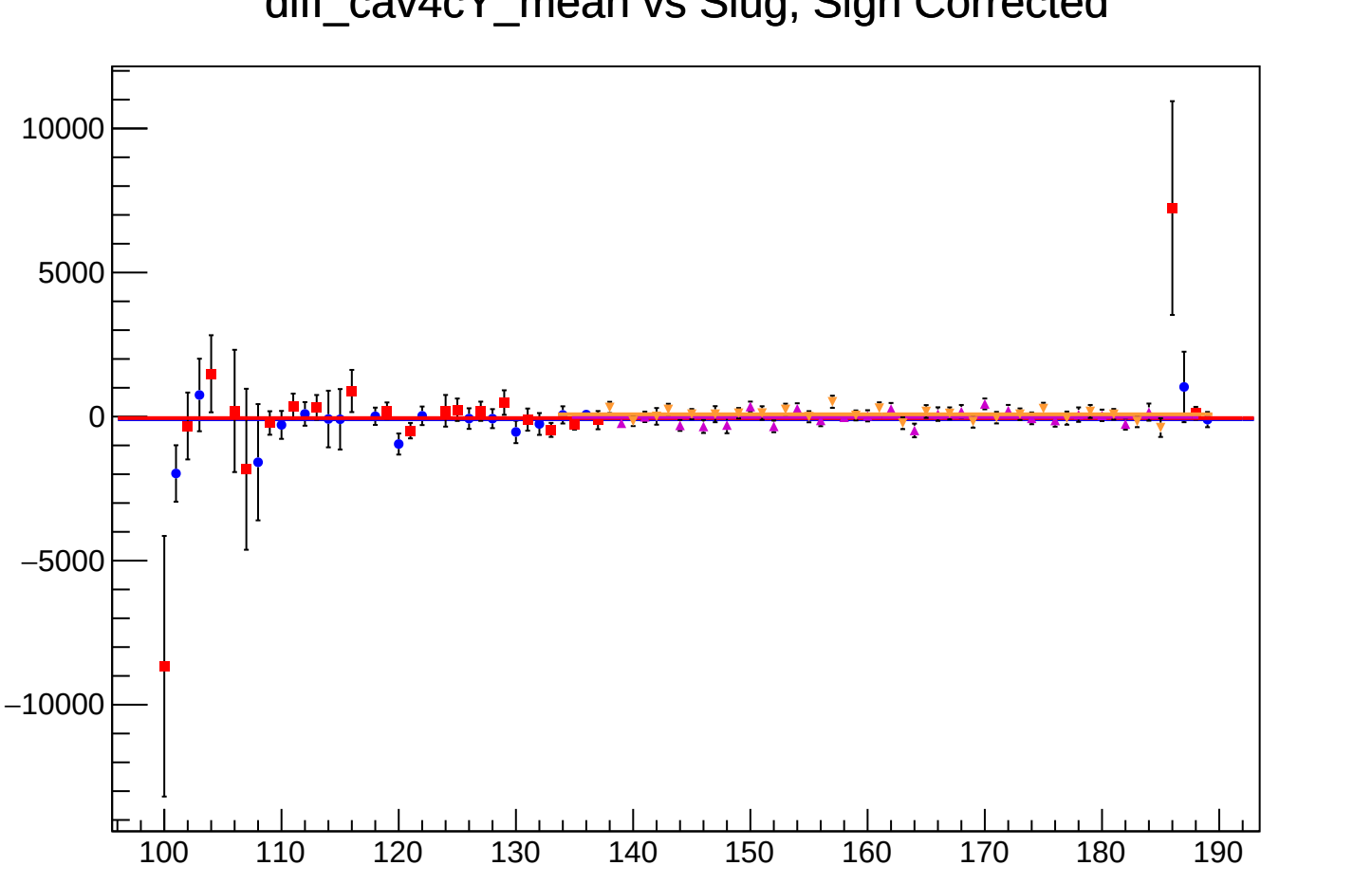
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 410658.617+/-74.188 χ^2/NDF: 2400168.5/38

In: 264485.531+/-37.776 χ^2/NDF:3184790.3/40

Out: 264282.601+/-36.825 χ^2/NDF:4441975.1/45

All: 264381.482+/-26.369 χ^2/NDF: 7626780.



Right In: -91.372+/-83.538 χ^2/NDF: 14.5/17

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -52.559+/-81.219 χ^2/NDF: 23.6/20

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

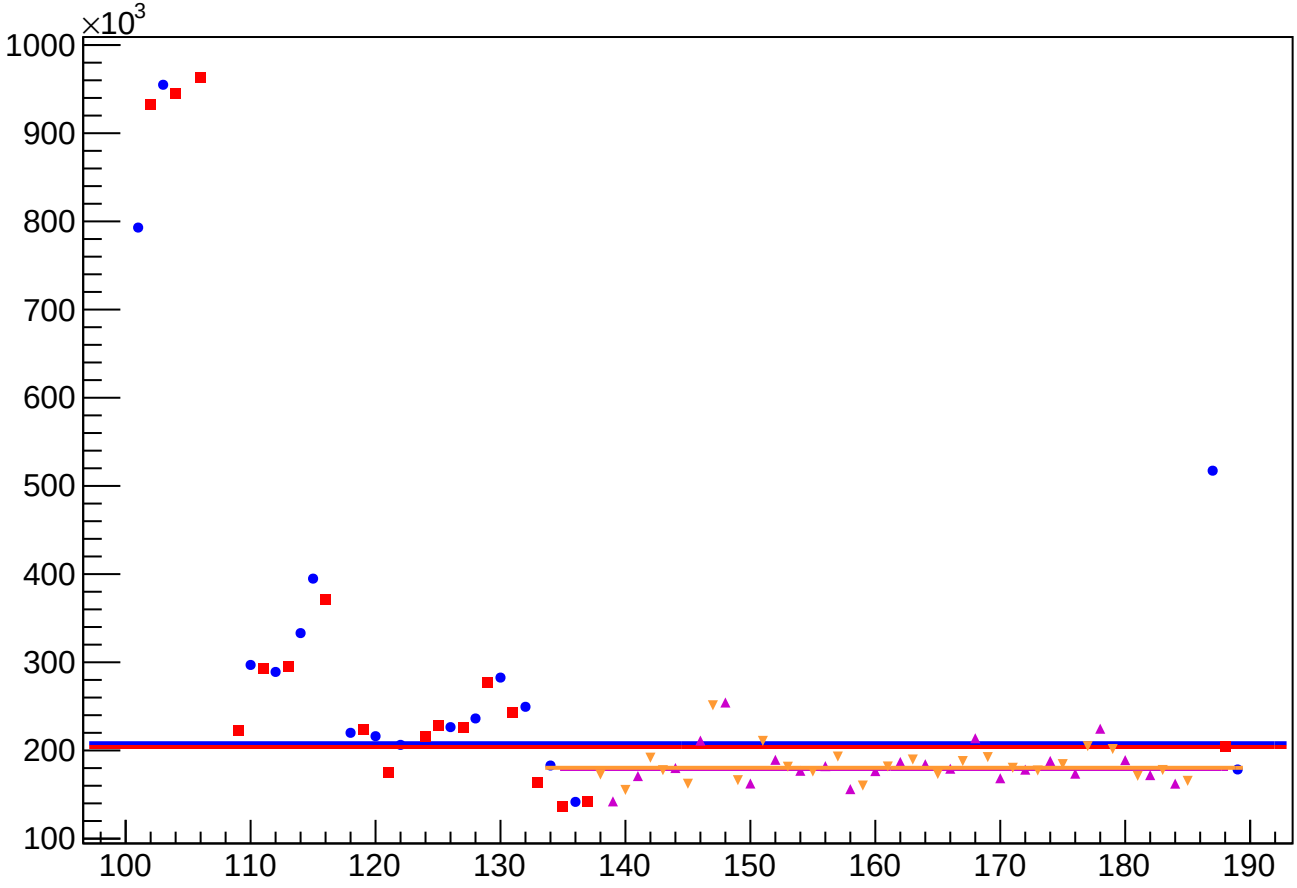
Right: -71.419+/-58.233 χ^2/NDF: 38.3/38

In: -29.775+/-37.690 χ^2/NDF:48.4/40

Out: 52.364+/-36.814 χ^2/NDF:45.5/45

All: 12.260+/-26.336 χ^2/NDF: 96.3/86

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 208220.853+/-59.163 χ^2/NDF: 2113603.2/16

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 203939.298+/-57.568 χ^2/NDF: 2070519.3/17

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

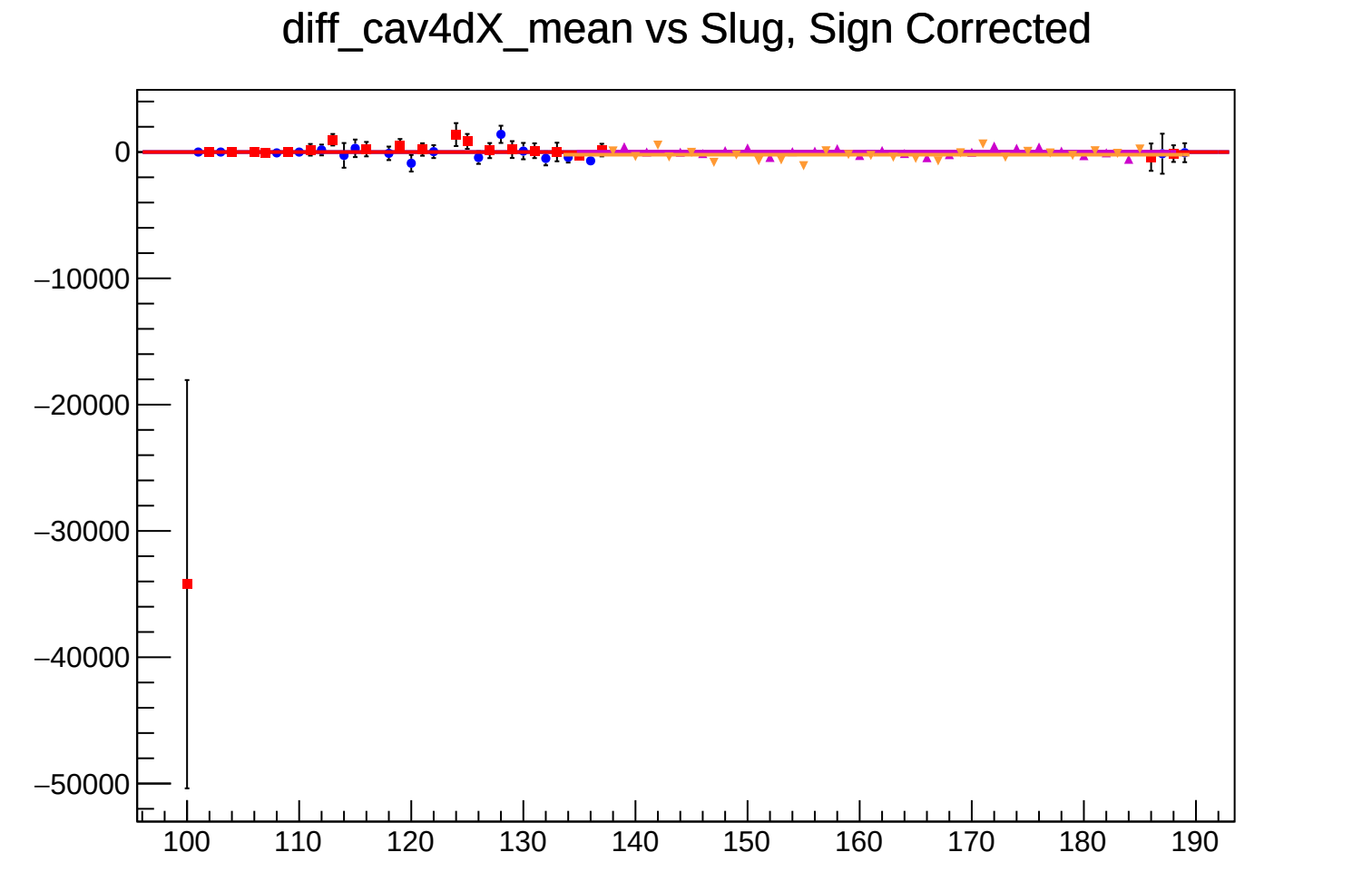
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 206021.583+/-41.259 χ^2/NDF: 4186812.7/34

In: 184952.701+/-26.660 χ^2/NDF:2809092.3/39

Out: 185172.525+/-26.044 χ^2/NDF:2550738.4/42

All: 185065.179+/-18.630 χ^2/NDF: 5359865.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/17

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 16.7/20

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

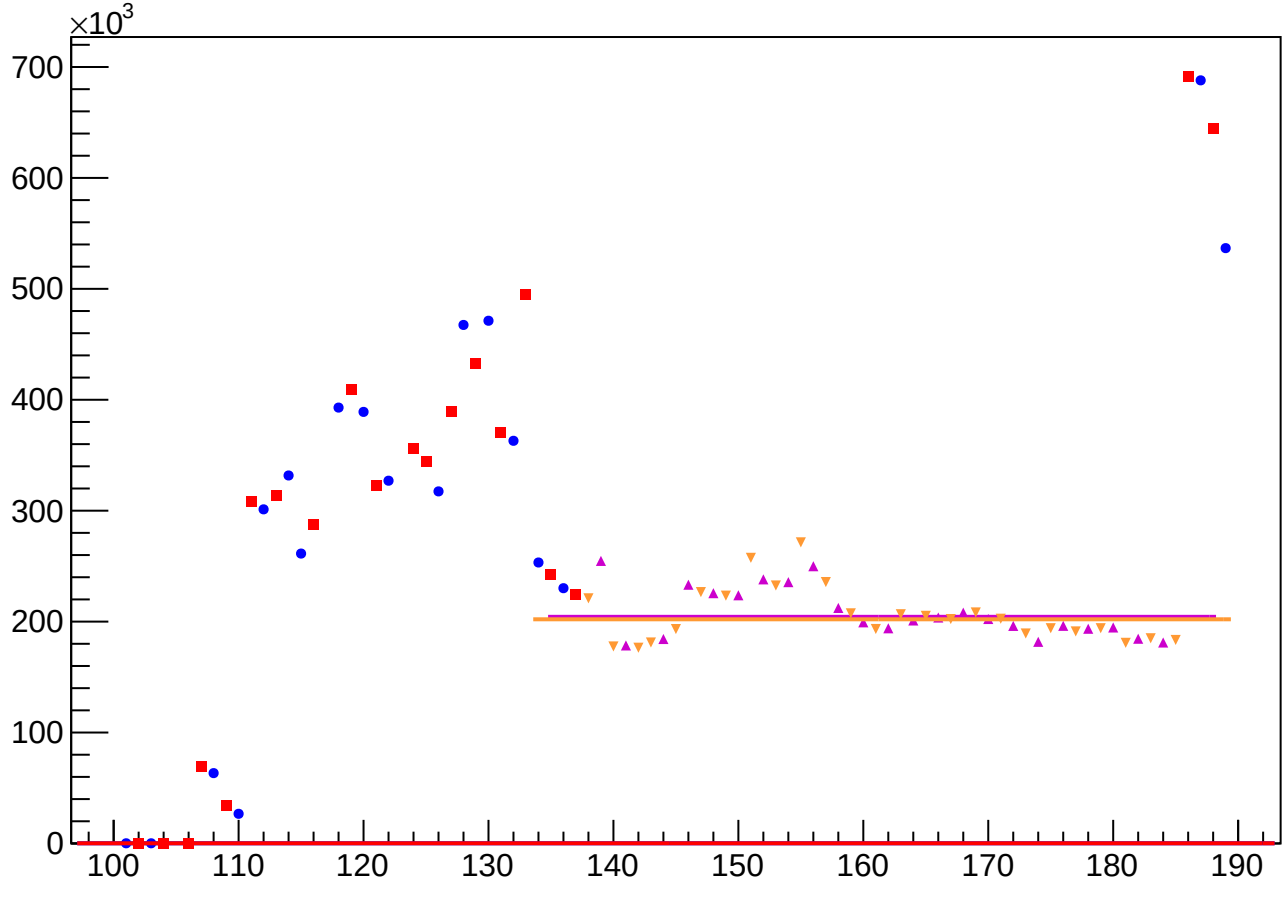
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 37.5/38

In: -0.035+/-0.172 χ^2/NDF:46.9/40

Out: 0.353+/-0.160 χ^2/NDF:98.5/45

All: 0.173+/-0.117 χ^2/NDF: 148.1/86



Right In: 149.129+/-0.122 χ^2/NDF: 12700646.1/17

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.432+/-0.113 χ^2/NDF: 14015913.8/19

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

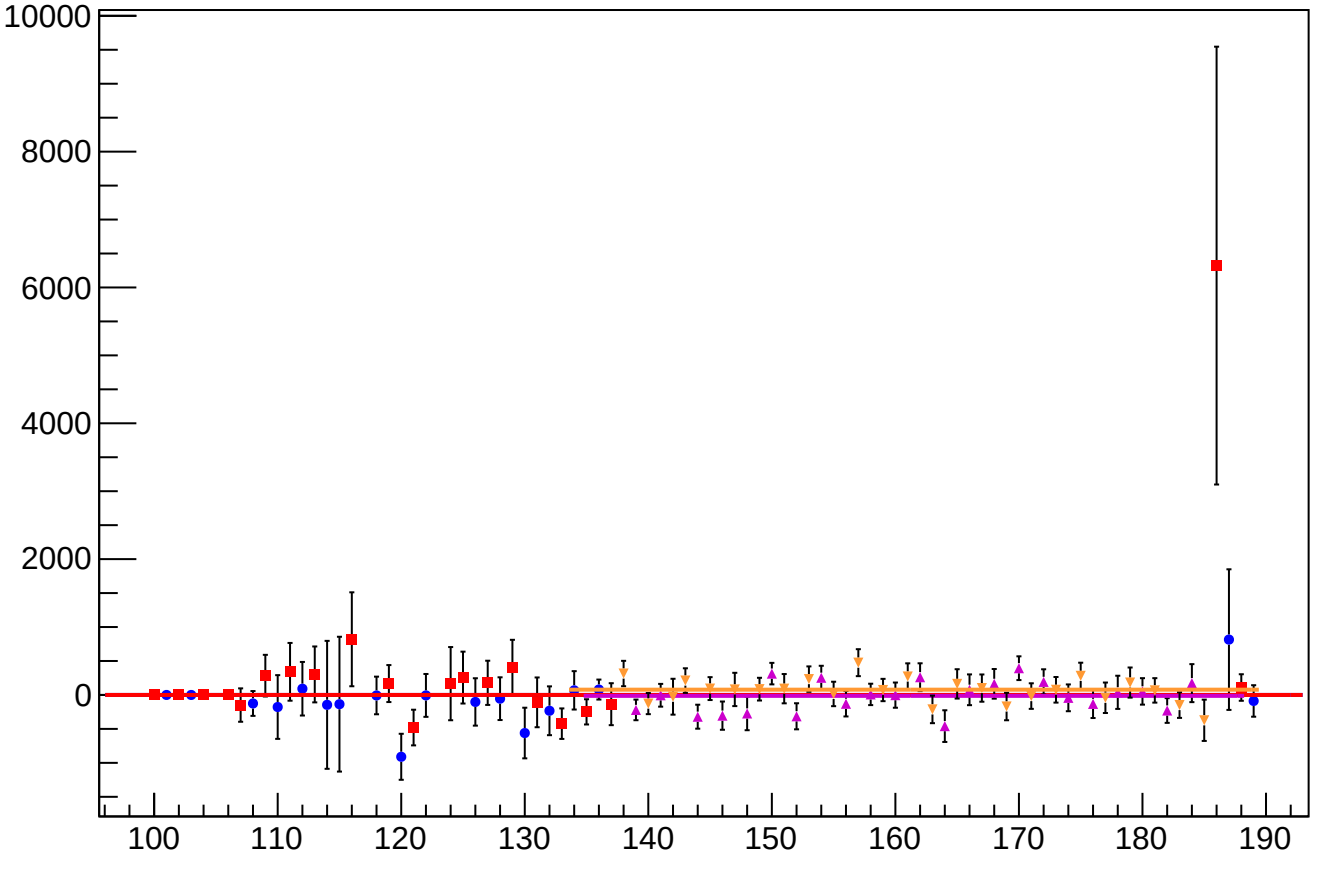
Right: 149.291+/-0.083 χ^2/NDF: 26716563.2/37

In: 151.754+/-0.122 χ^2/NDF:49203453.1/40

Out: 151.848+/-0.113 χ^2/NDF:52511731.0/44

All: 151.805+/-0.083 χ^2/NDF: 101715184.4/8

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 12.0/17

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 19.4/20

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

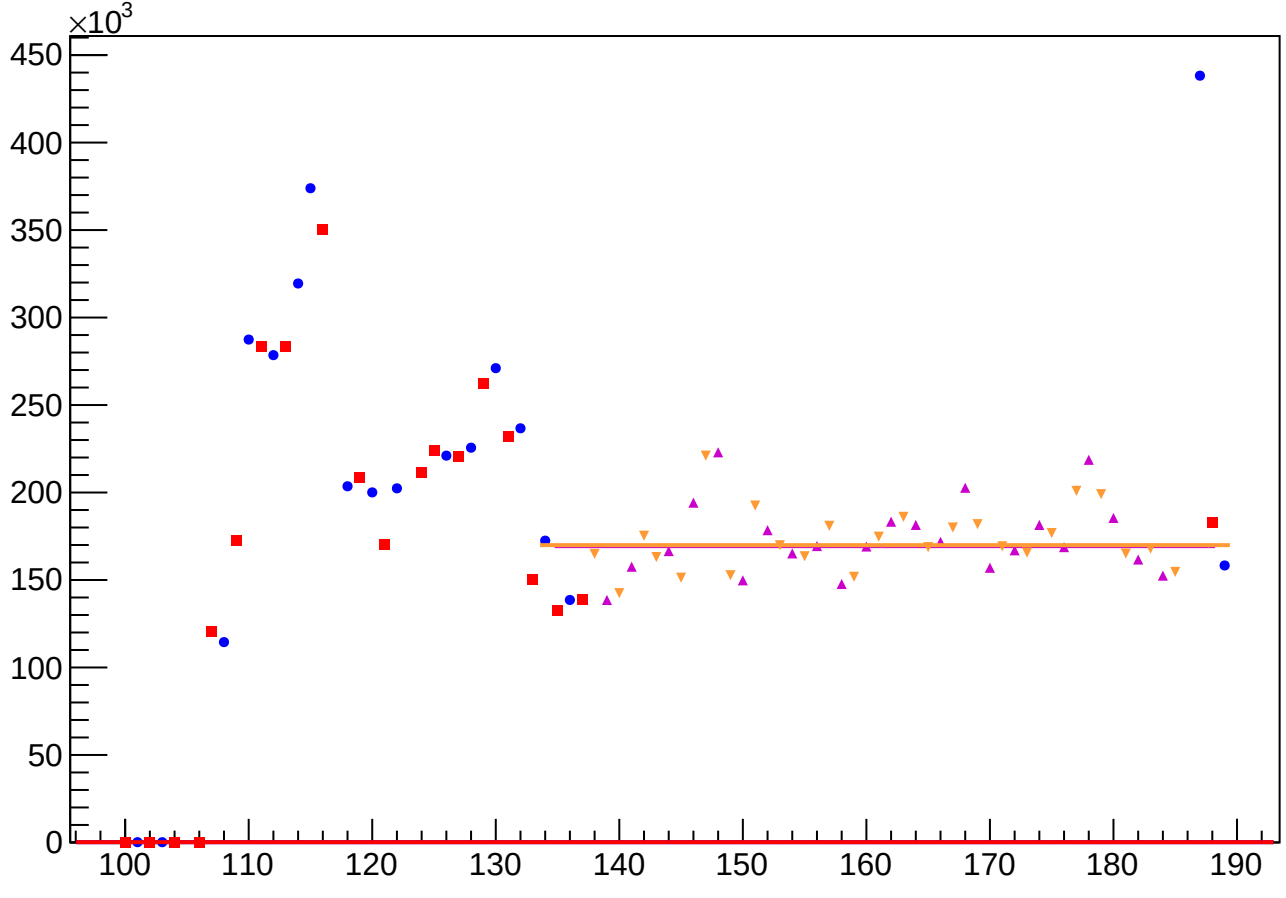
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 31.4/38

In: -0.068+/-0.177 χ^2/NDF:44.8/40

Out: -0.124+/-0.166 χ^2/NDF:42.5/45

All: -0.098+/-0.121 χ^2/NDF: 87.3/86



Right In: 153.565+/-0.125 χ^2/NDF: 13193380.7/17

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.290+/-0.118 χ^2/NDF: 13076296.7/19

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

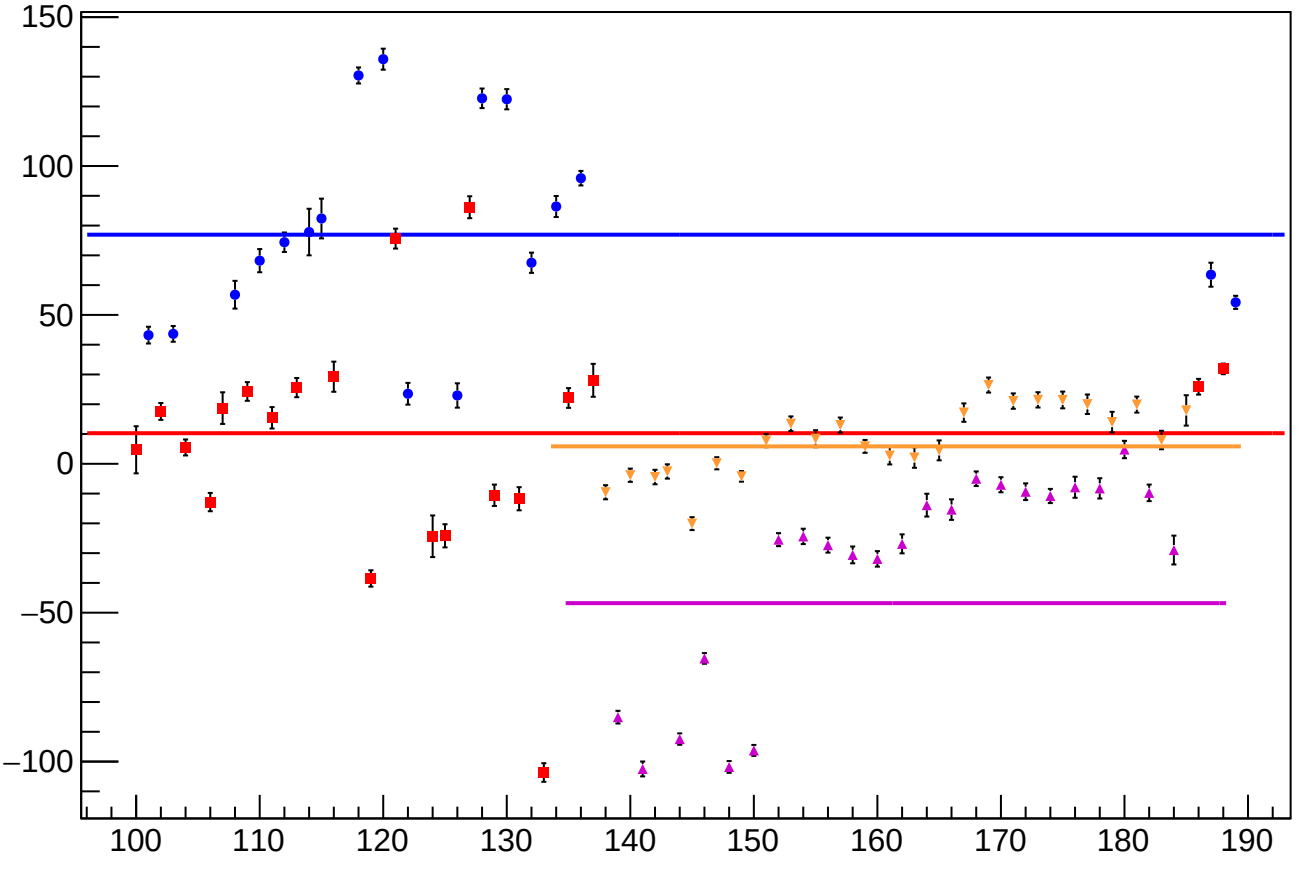
Right: 155.013+/-0.086 χ^2/NDF: 26269928.6/37

In: 156.899+/-0.125 χ^2/NDF:49579412.0/40

Out: 159.396+/-0.118 χ^2/NDF:51487249.7/44

All: 158.225+/-0.086 χ^2/NDF: 101066872.7/8

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 76.942+/-0.779 χ^2/NDF: 1954.2/17

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 10.278+/-0.717 χ^2/NDF: 2957.2/20

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

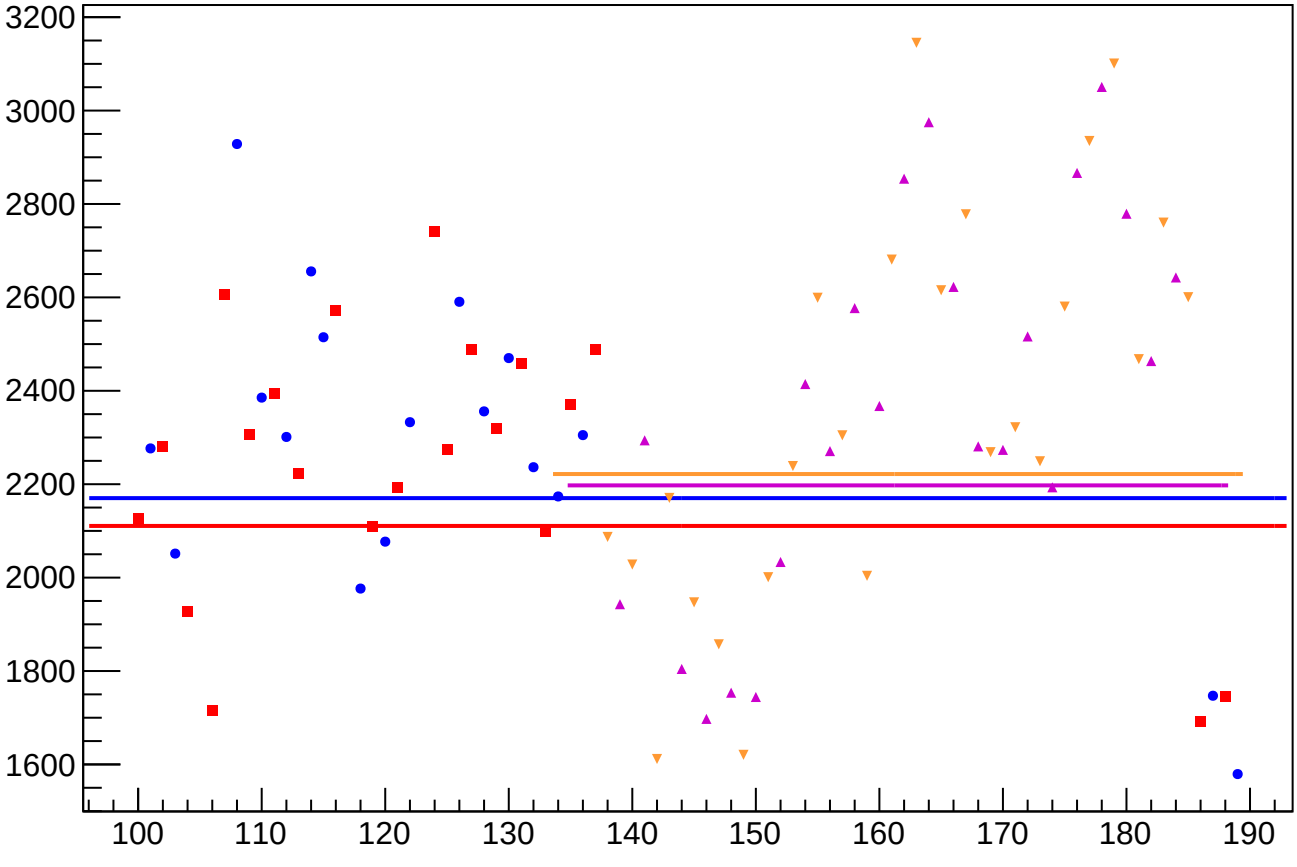
Right: 40.845+/-0.527 χ^2/NDF: 8877.4/38

In: -8.196+/-0.435 χ^2/NDF:24492.6/40

Out: 7.355+/-0.418 χ^2/NDF:3517.7/45

All: -0.104+/-0.301 χ^2/NDF: 28675.1/86

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2170.208+/-0.551 χ^2/NDF: 314496.9/17

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2110.650+/-0.507 χ^2/NDF: 327204.7/20

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

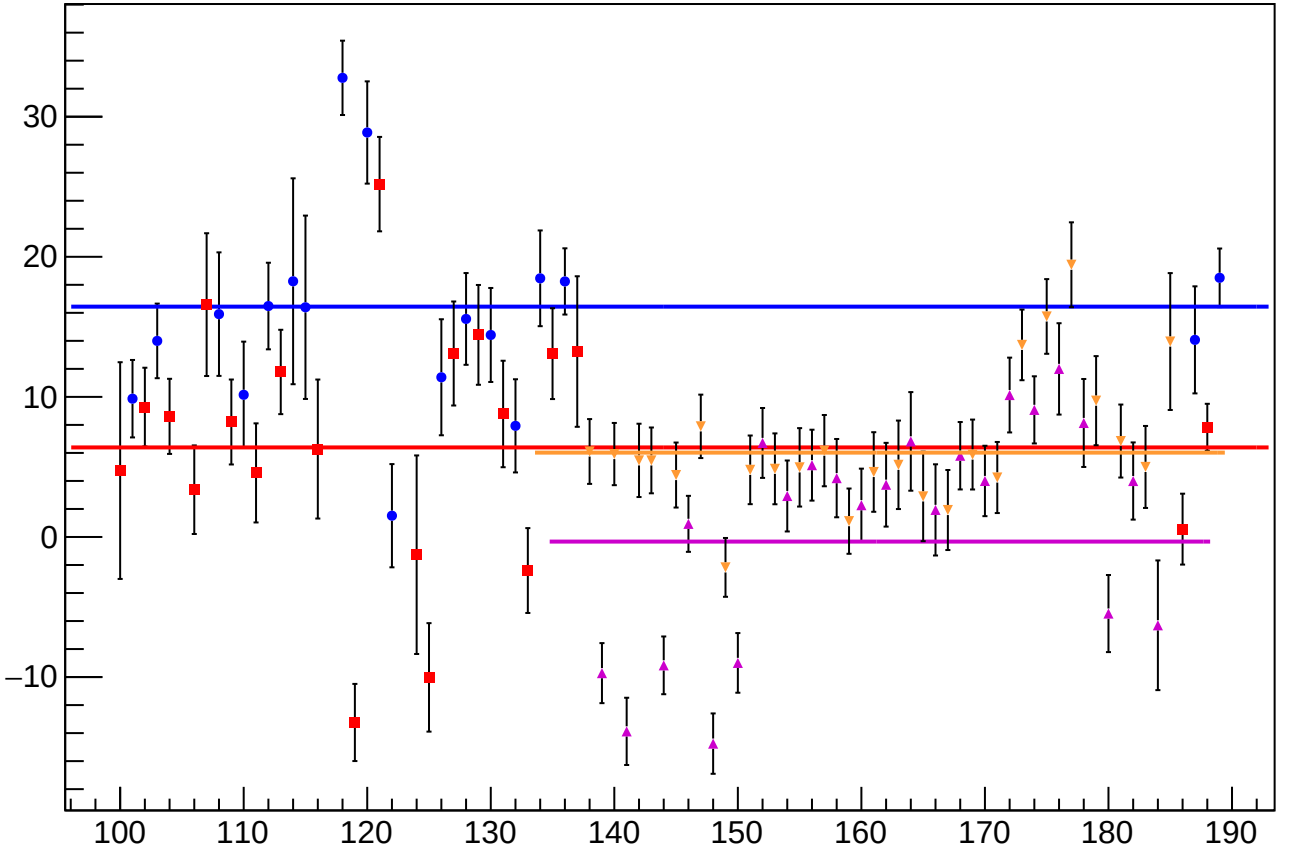
Right: 2137.959+/-0.373 χ^2/NDF: 648032.8/38

In: 2188.966+/-0.308 χ^2/NDF:1420846.1/40

Out: 2184.038+/-0.295 χ^2/NDF:1542991.4/45

All: 2186.402+/-0.213 χ^2/NDF: 2963971.2/86

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.442+/-0.762 χ^2/NDF: 86.0/17

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 6.393+/-0.700 χ^2/NDF: 140.7/20

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

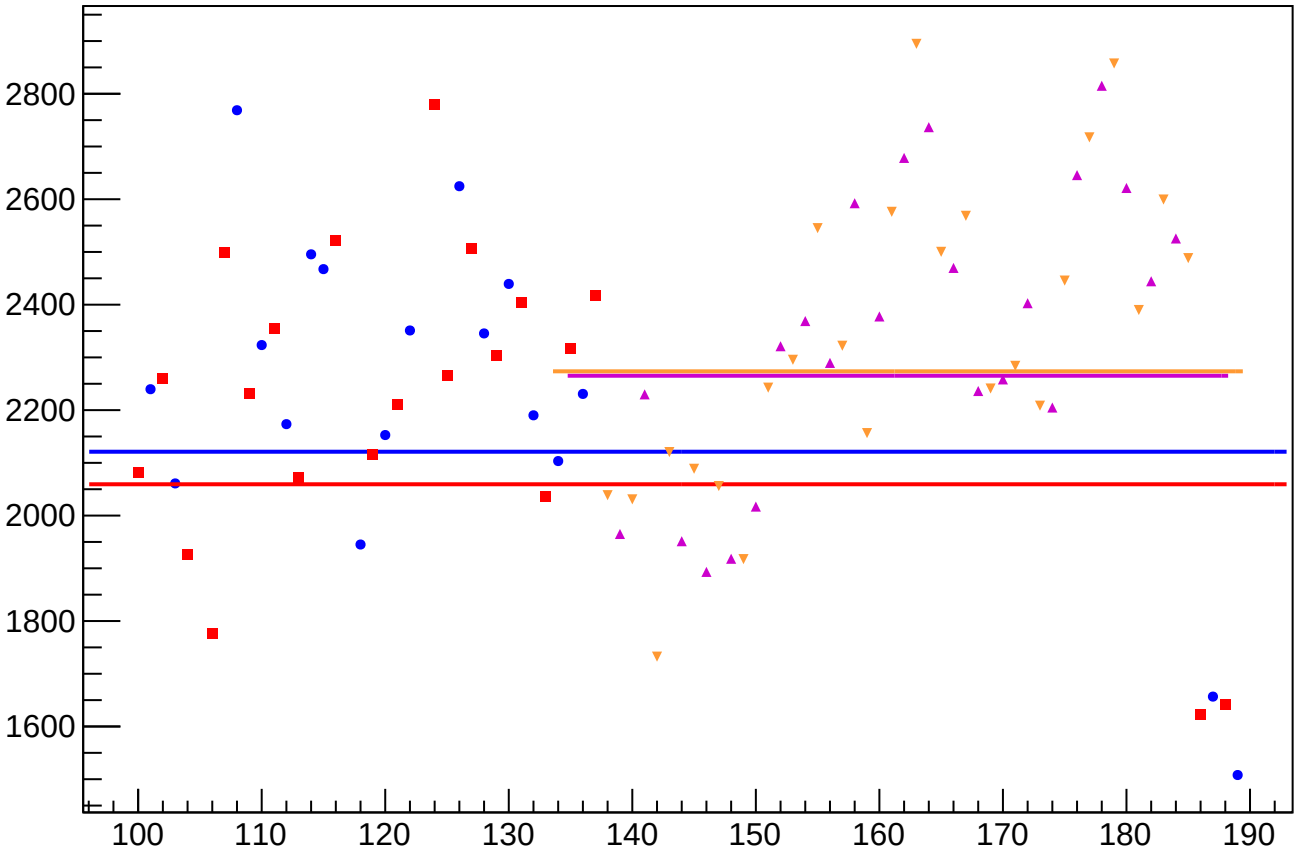
Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

Right: 10.993+/-0.516 χ^2/NDF: 321.0/38

In: 5.204+/-0.438 χ^2/NDF:635.5/40

Out: 6.154+/-0.418 χ^2/NDF:212.7/45

All: 5.701+/-0.302 χ^2/NDF: 850.7/86



Right In: 2121.111+/-0.539 χ^2/NDF: 345409.8/17

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 2059.389+/-0.495 χ^2/NDF: 375877.1/20

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

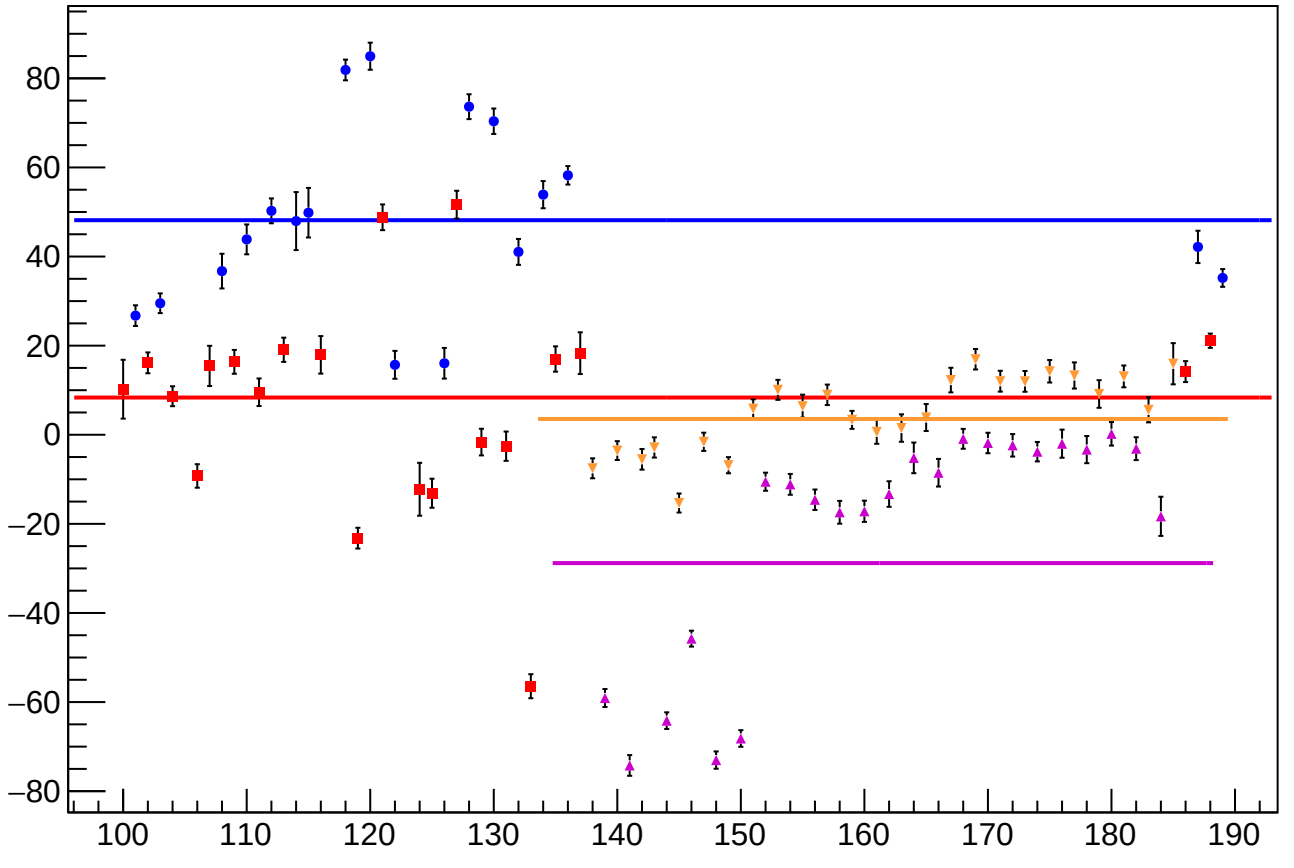
Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

Right: 2087.646+/-0.365 χ^2/NDF: 728403.4/38

In: 2217.705+/-0.309 χ^2/NDF:889197.3/40

Out: 2197.295+/-0.295 χ^2/NDF:1033257.4/45

All: 2207.030+/-0.214 χ^2/NDF: 1924730.3/86



Right In: 48.158+/-0.667 χ^2/NDF: 940.9/17

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 8.354+/-0.615 χ^2/NDF: 1398.8/20

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

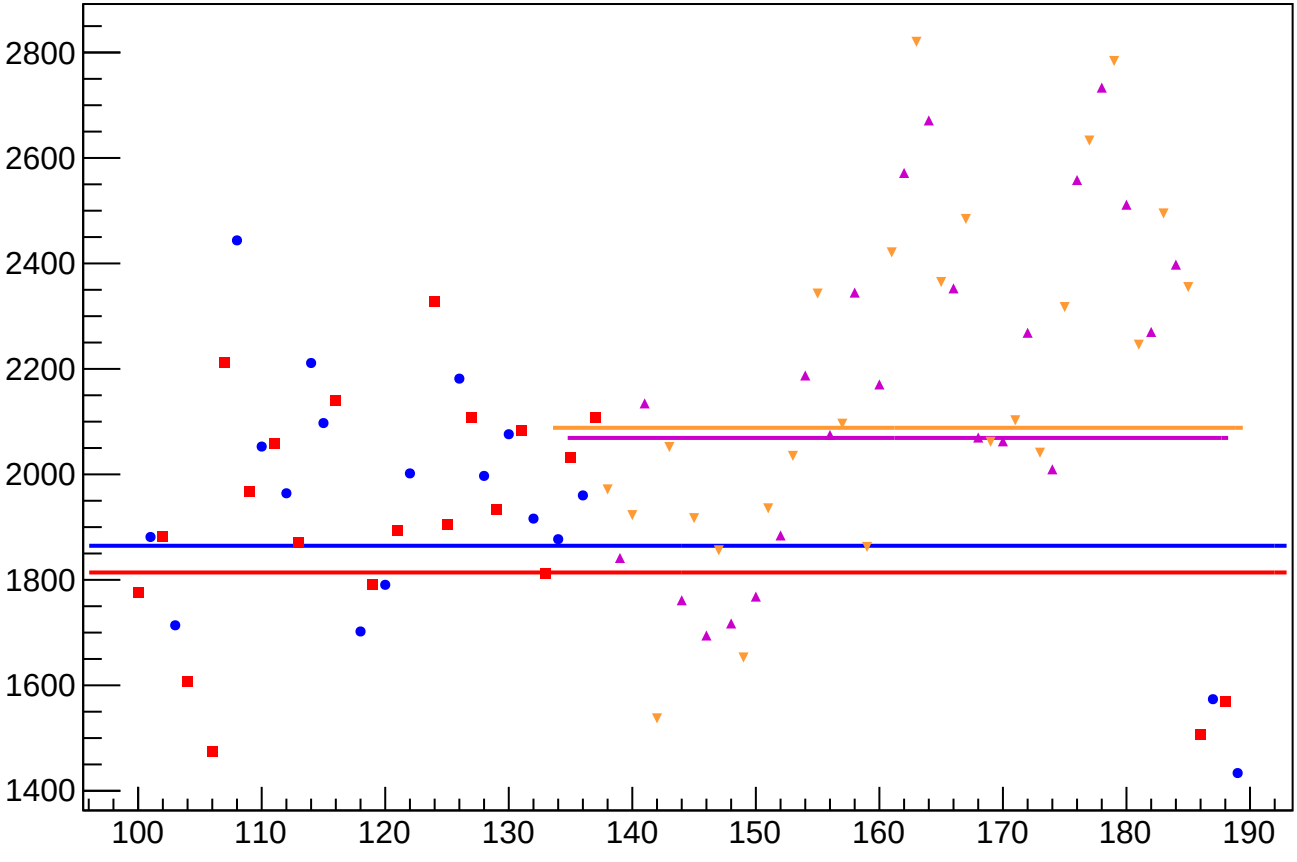
Right: 26.626+/-0.452 χ^2/NDF: 4264.8/38

In: -1.780+/-0.395 χ^2/NDF:12835.8/40

Out: 5.368+/-0.378 χ^2/NDF:1756.7/45

All: 1.950+/-0.273 χ^2/NDF: 14763.0/86

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1864.645+/-0.472 χ^2/NDF: 230481.9/17

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1814.004+/-0.435 χ^2/NDF: 253030.5/20

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

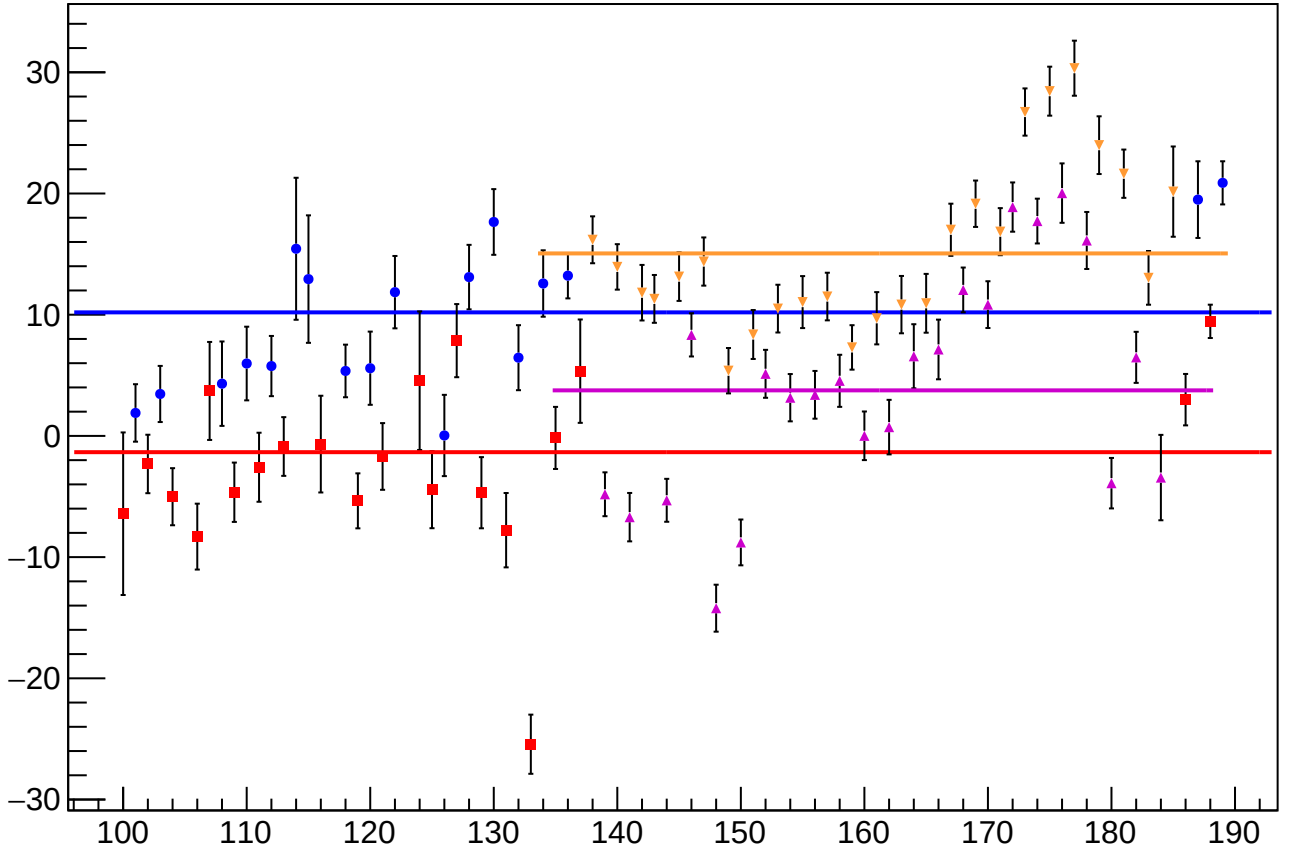
Right: 1837.251+/-0.320 χ^2/NDF: 489744.0/38

In: 1997.318+/-0.280 χ^2/NDF:1063843.0/40

Out: 1984.353+/-0.268 χ^2/NDF:1287851.6/45

All: 1990.552+/-0.193 χ^2/NDF: 2352816.8/86

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 10.193+/-0.626 χ^2/NDF: 105.3/17

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -1.342+/-0.576 χ^2/NDF: 199.5/20

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

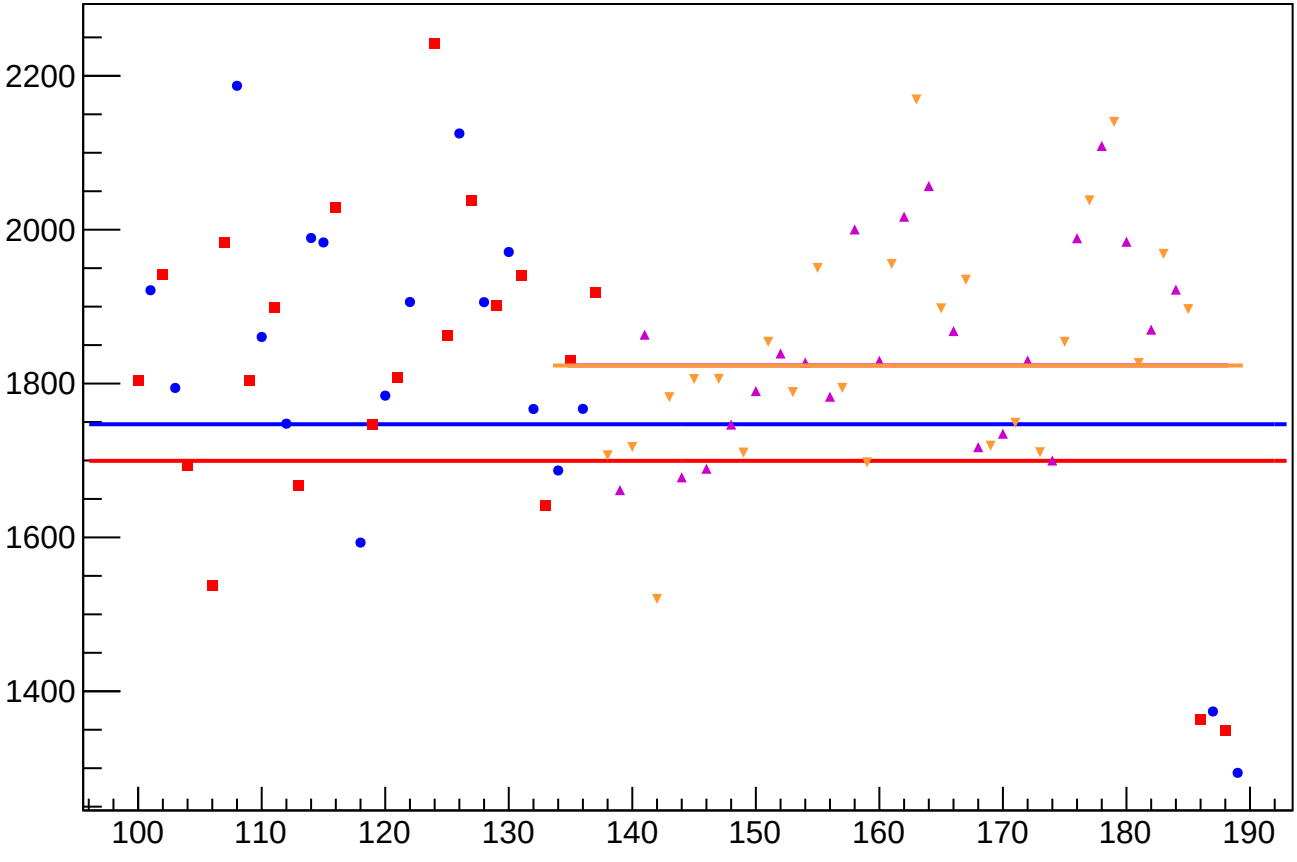
Right: 3.955+/-0.424 χ^2/NDF: 488.6/38

In: 5.809+/-0.353 χ^2/NDF:636.4/40

Out: 9.446+/-0.337 χ^2/NDF:978.1/45

All: 7.712+/-0.244 χ^2/NDF: 1670.0/86

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1747.122+/-0.442 χ^2/NDF: 274721.7/17

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1699.554+/-0.408 χ^2/NDF: 330986.3/20

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

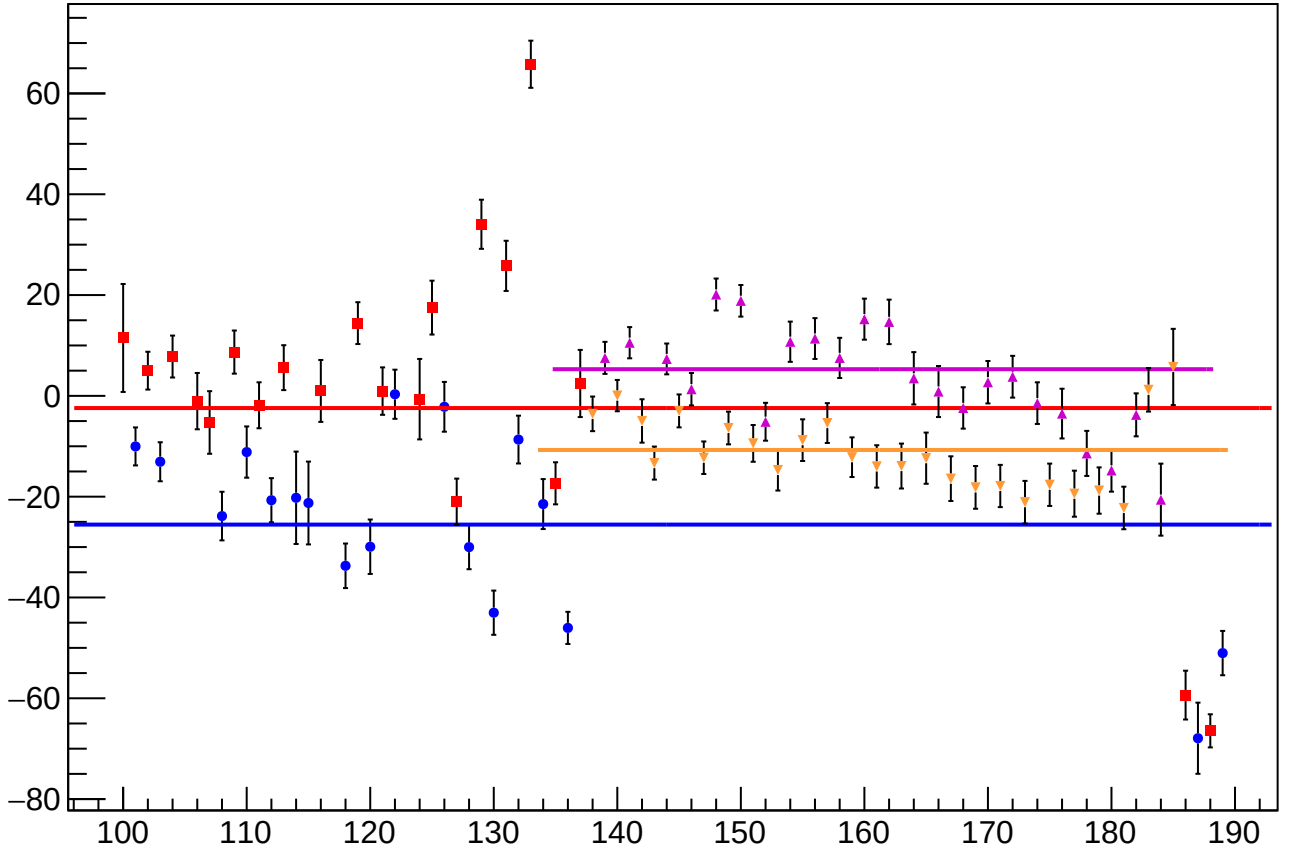
Right: 1721.398+/-0.300 χ^2/NDF: 611962.0/38

In: 1799.246+/-0.250 χ^2/NDF:458871.8/40

Out: 1781.065+/-0.238 χ^2/NDF:603044.7/45

All: 1789.735+/-0.172 χ^2/NDF: 1064689.8/86

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -25.541+/-1.101 χ^2/NDF: 233.1/17

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -2.419+/-1.043 χ^2/NDF: 901.4/20

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

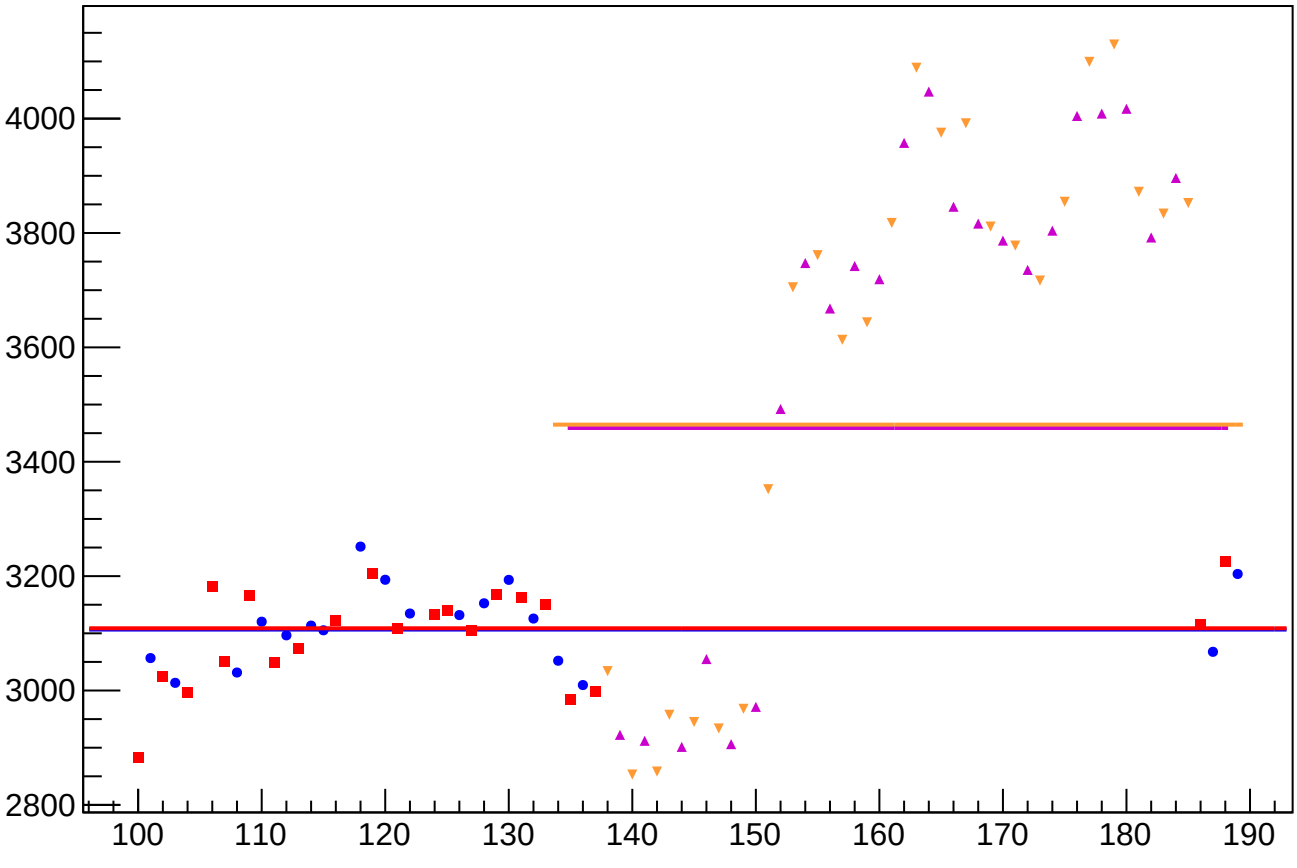
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -13.354+/-0.757 χ^2/NDF: 1367.1/38

In: -5.615+/-0.655 χ^2/NDF:873.8/40

Out: -7.682+/-0.632 χ^2/NDF:1015.4/45

All: -6.685+/-0.455 χ^2/NDF: 1894.4/86



Right In: 3106.577+/-0.778 χ^2/NDF: 8980.2/17

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3108.815+/-0.737 χ^2/NDF: 11426.6/20

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

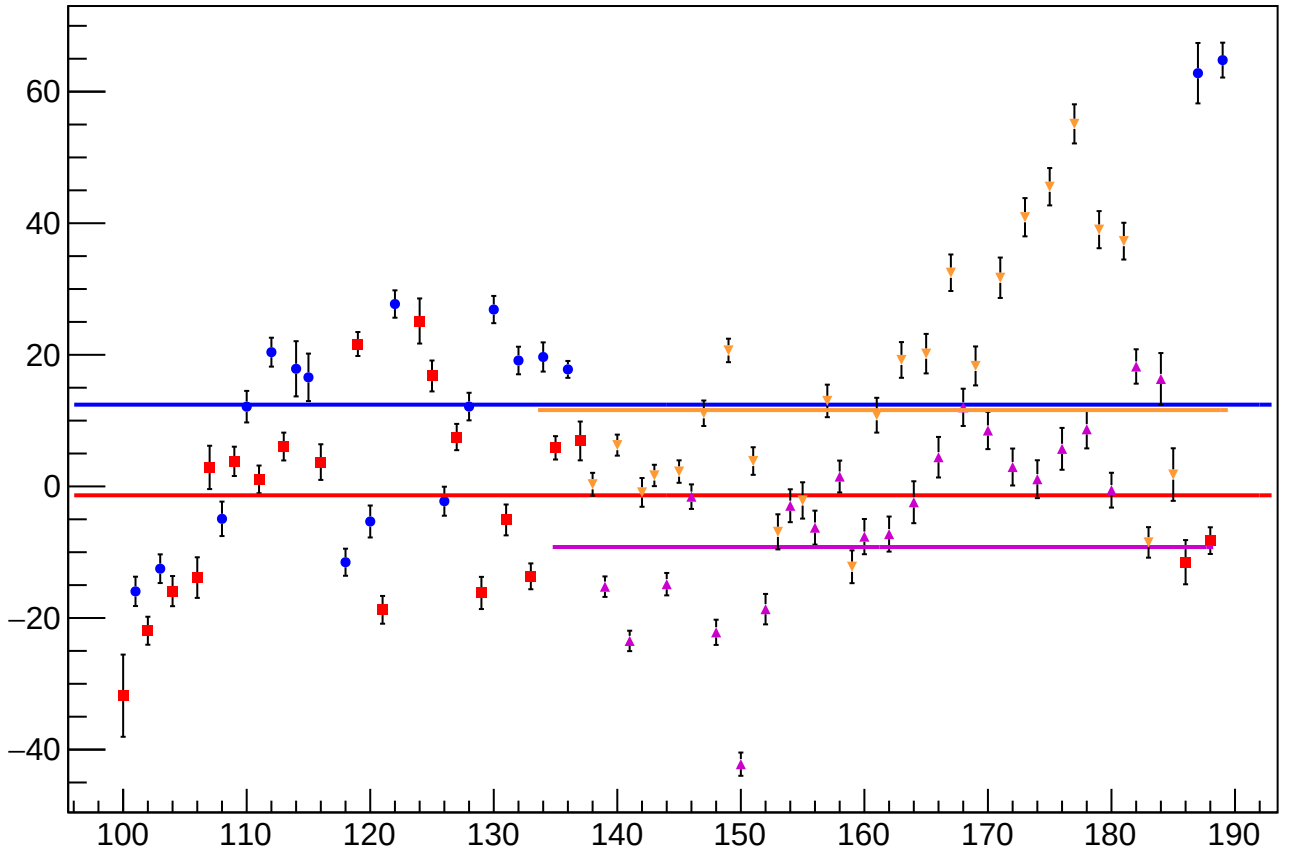
Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

Right: 3107.756+/-0.535 χ^2/NDF: 20411.2/38

In: 3334.372+/-0.463 χ^2/NDF:724835.7/40

Out: 3334.232+/-0.447 χ^2/NDF:803137.3/45

All: 3334.300+/-0.321 χ^2/NDF: 1527973.1/86



Right In: 12.425+/-0.527 χ^2/NDF: 1237.9/17

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -1.353+/-0.511 χ^2/NDF: 688.4/20

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

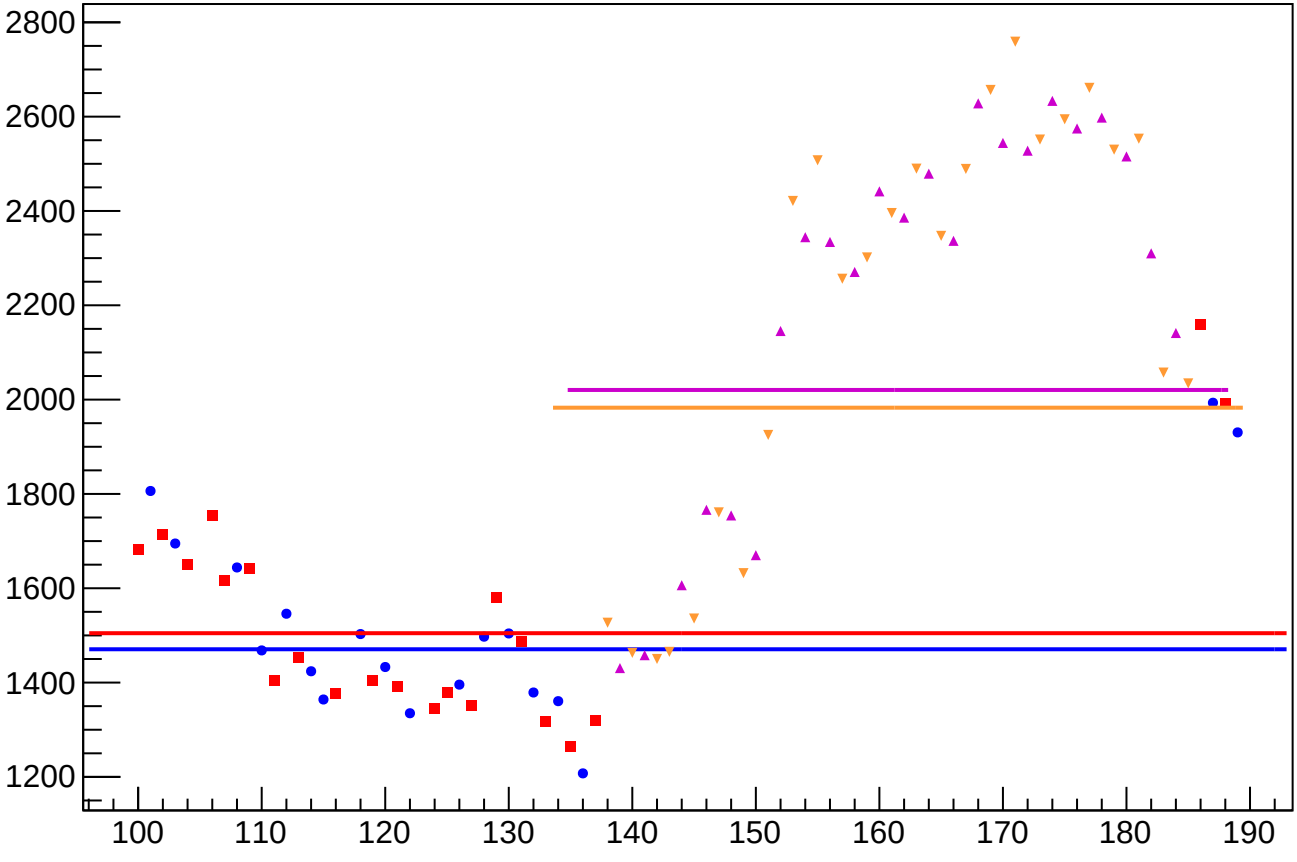
Right: 5.320+/-0.367 χ^2/NDF: 2279.0/38

In: 0.686+/-0.356 χ^2/NDF:3093.6/40

Out: 5.749+/-0.343 χ^2/NDF:2238.1/45

All: 3.313+/-0.247 χ^2/NDF: 5436.5/86

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1470.635+/-0.373 χ^2/NDF: 271053.5/17

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1504.713+/-0.361 χ^2/NDF: 351598.3/20

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

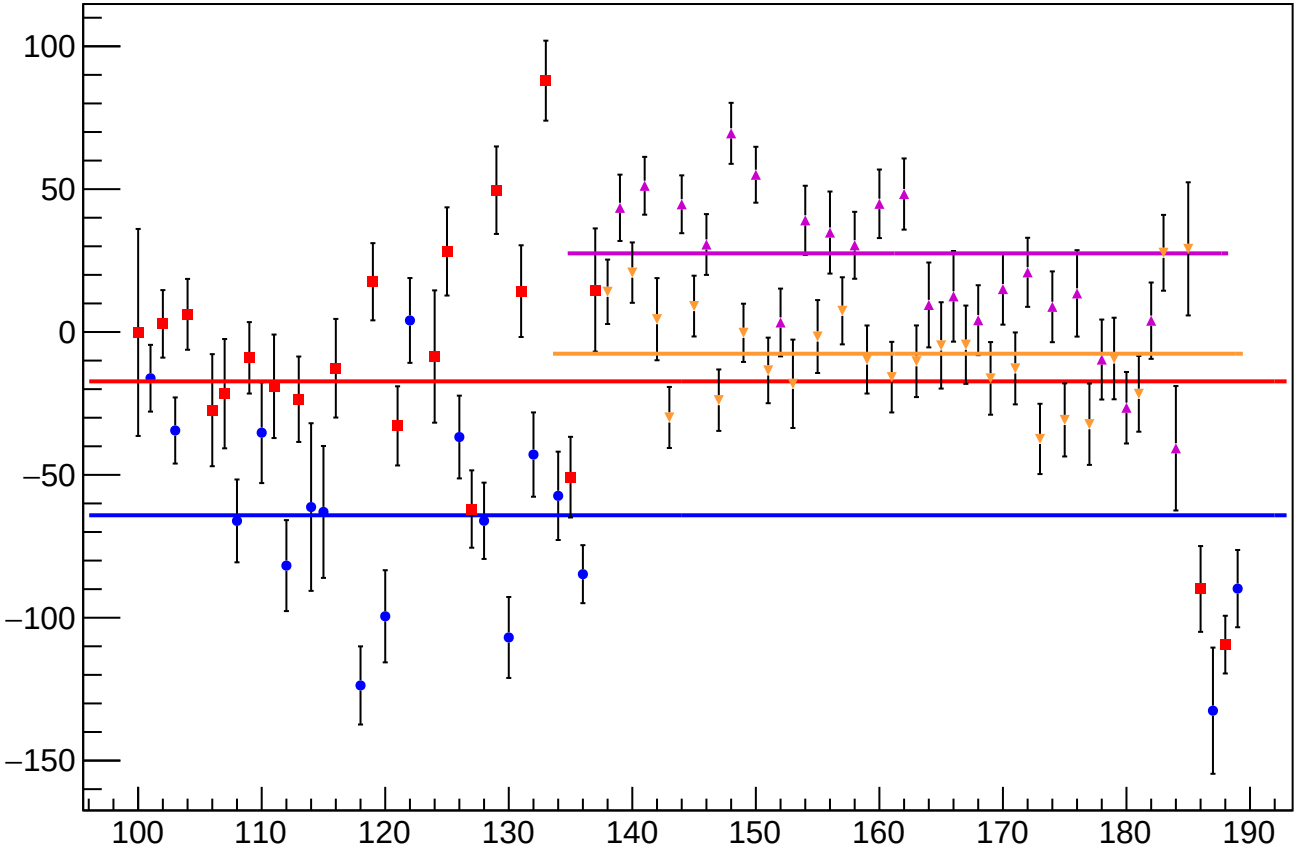
Right: 1488.209+/-0.259 χ^2/NDF: 626966.9/38

In: 1768.924+/-0.252 χ^2/NDF:3067491.0/40

Out: 1766.879+/-0.243 χ^2/NDF:3291096.6/45

All: 1767.863+/-0.175 χ^2/NDF: 6358621.8/86

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -64.145+/-3.433 χ^2/NDF: 104.5/17

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -17.274+/-3.263 χ^2/NDF: 229.3/20

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

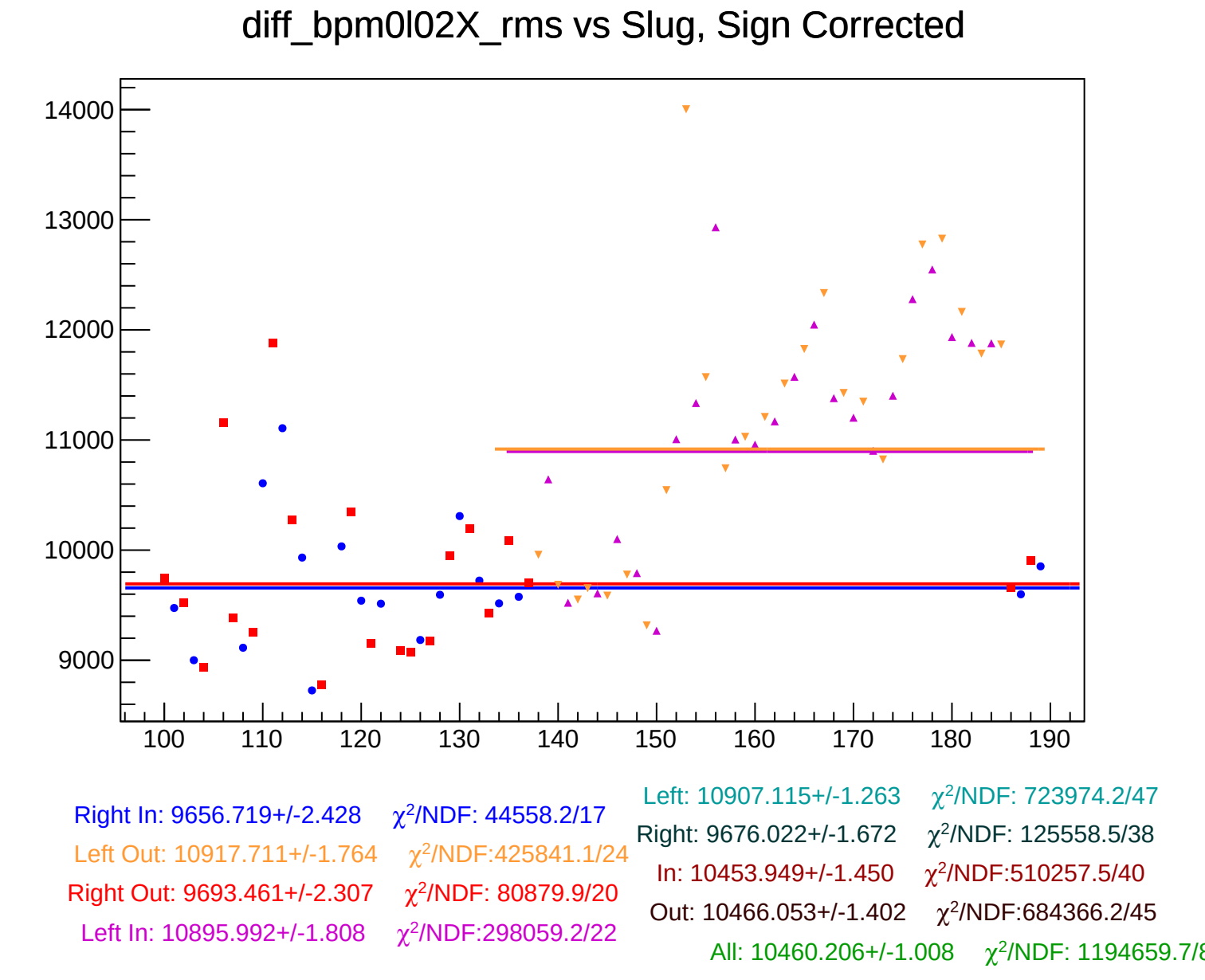
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

Right: -39.521+/-2.365 χ^2/NDF: 431.8/38

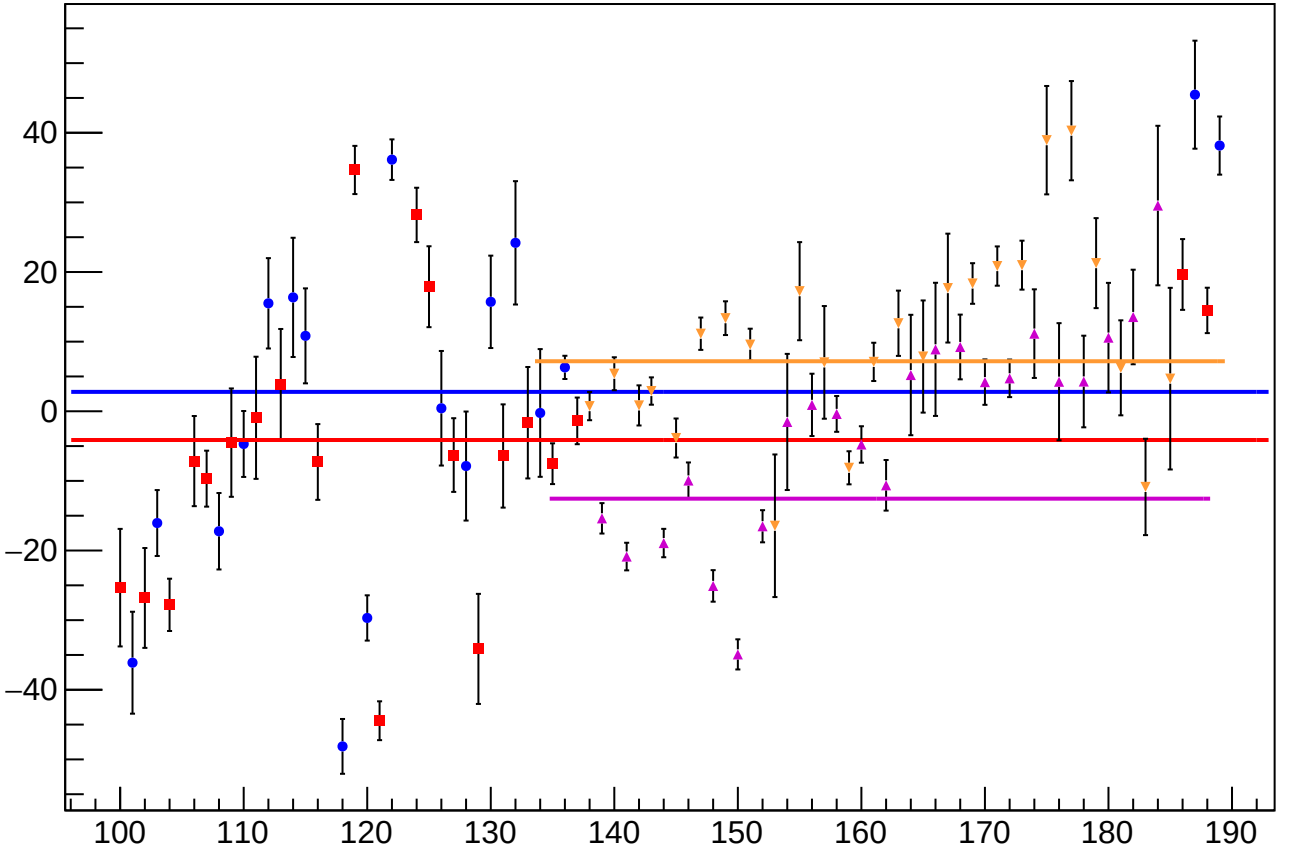
In: -5.172+/-2.050 χ^2/NDF:656.2/40

Out: -11.165+/-1.982 χ^2/NDF:282.8/45

All: -8.270+/-1.425 χ^2/NDF: 943.4/86


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
180
190
Right In: 9656.719+/-2.428 χ²/NDF: 44558.2/17
Left Out: 10917.711+/-1.764 χ²/NDF:425841.1/24
Right Out: 9693.461+/-2.307 χ²/NDF: 80879.9/20
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9676.022+/-1.672 χ²/NDF: 125558.5/38
In: 10453.949+/-1.450 χ²/NDF:510257.5/40
Out: 10466.053+/-1.402 χ²/NDF:684366.2/45
All: 10460.206+/-1.008 χ²/NDF: 1194659.7/8

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 2.786+/-1.006 χ^2/NDF: 583.9/17

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -4.127+/-1.000 χ^2/NDF: 548.3/20

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

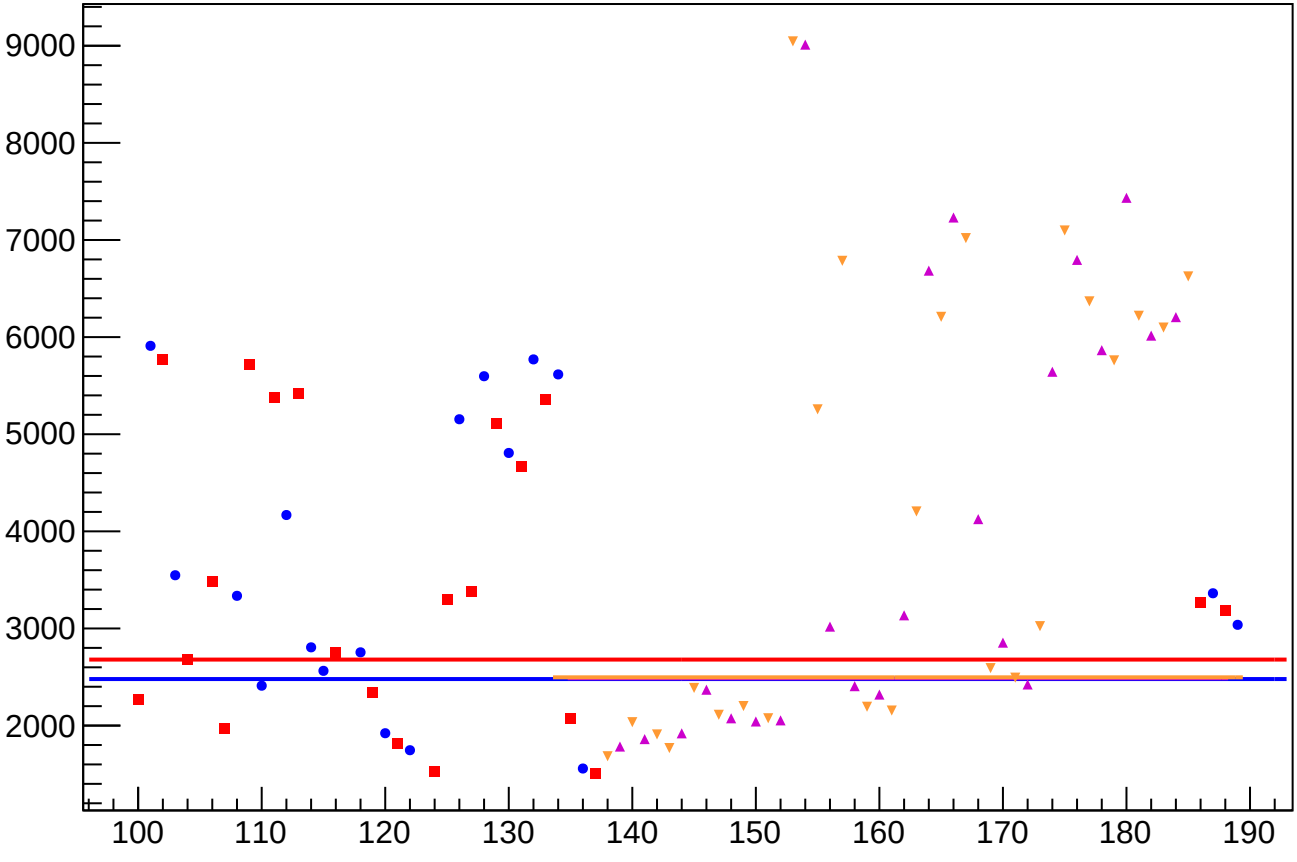
Right: -0.690+/-0.709 χ^2/NDF: 1156.0/38

In: -7.929+/-0.552 χ^2/NDF:1118.6/40

Out: 3.798+/-0.547 χ^2/NDF:839.7/45

All: -2.012+/-0.389 χ^2/NDF: 2185.9/86

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2479.110+/-0.711 χ^2/NDF: 2881794.8/17

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2679.628+/-0.707 χ^2/NDF: 2601656.0/20

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

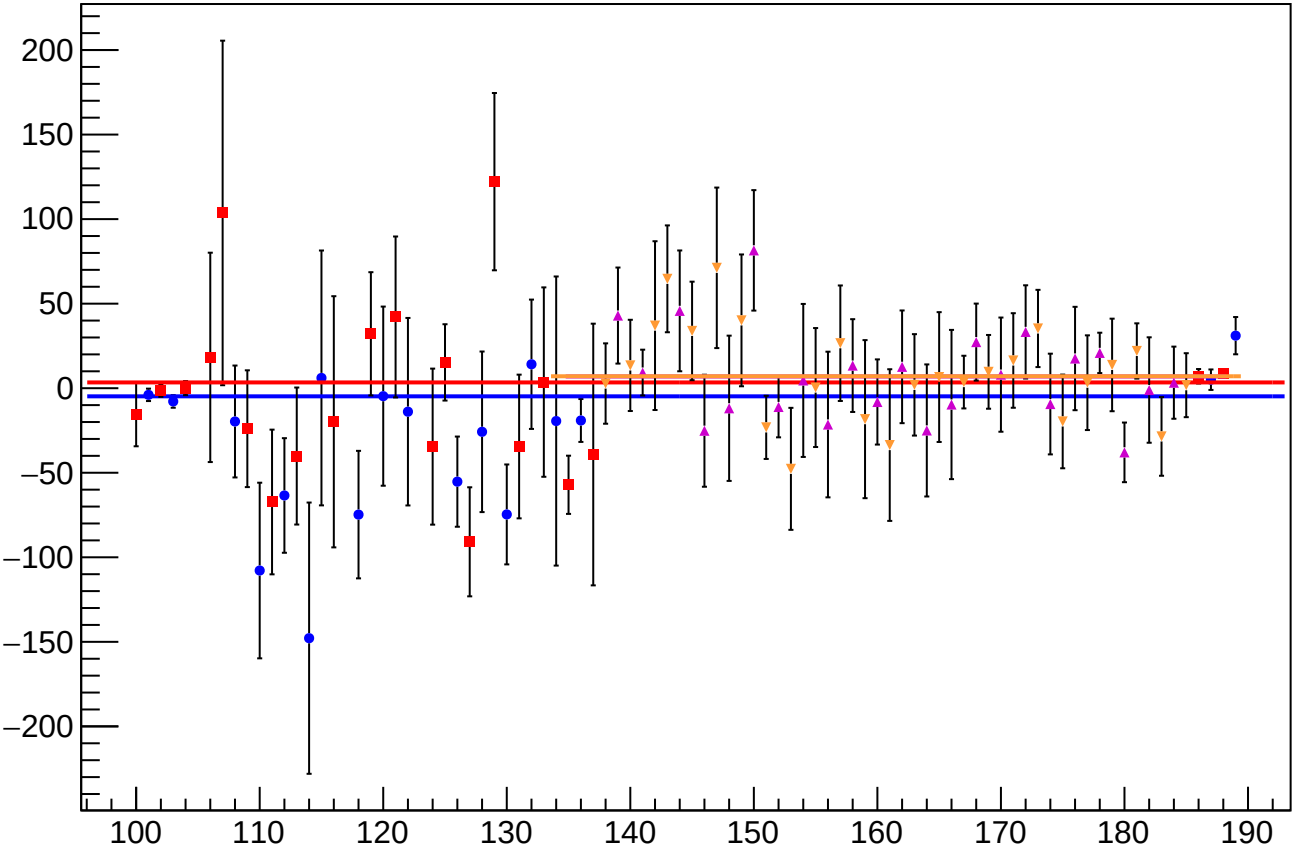
Right: 2579.937+/-0.501 χ^2/NDF: 5523443.9/38

In: 2485.125+/-0.390 χ^2/NDF:8985363.7/40

Out: 2551.541+/-0.387 χ^2/NDF:9854335.0/45

All: 2518.634+/-0.275 χ^2/NDF: 18854302.8/8

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.807+/-2.261 χ^2/NDF: 38.7/17

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 3.416+/-1.753 χ^2/NDF: 42.8/20

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

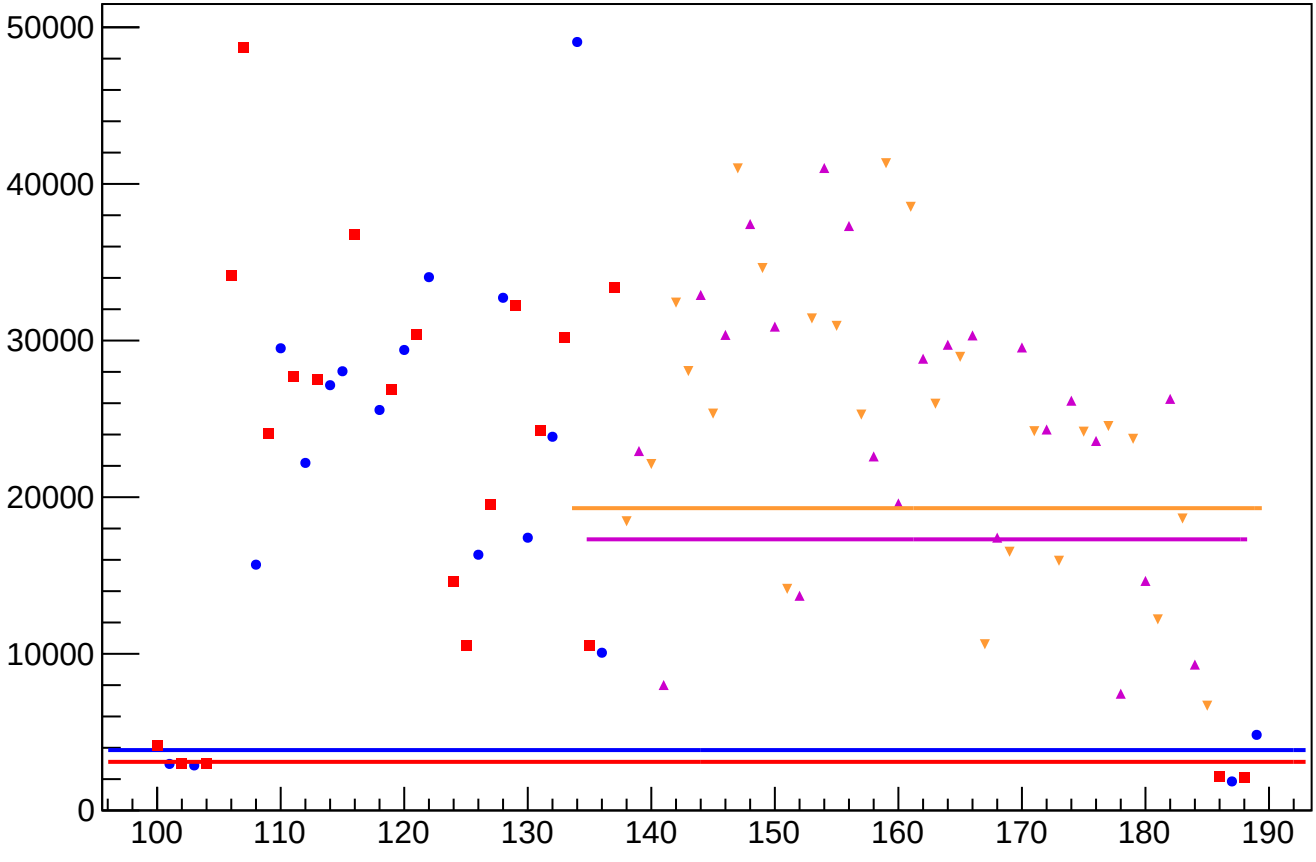
Right: 0.330+/-1.385 χ^2/NDF: 89.7/38

In: -2.871+/-2.066 χ^2/NDF:64.2/40

Out: 3.784+/-1.662 χ^2/NDF:62.8/45

All: 1.171+/-1.295 χ^2/NDF: 133.3/86

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 3854.513+/-1.599 χ^2/NDF: 7098355.5/17

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 3102.516+/-1.239 χ^2/NDF: 8429441.4/20

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

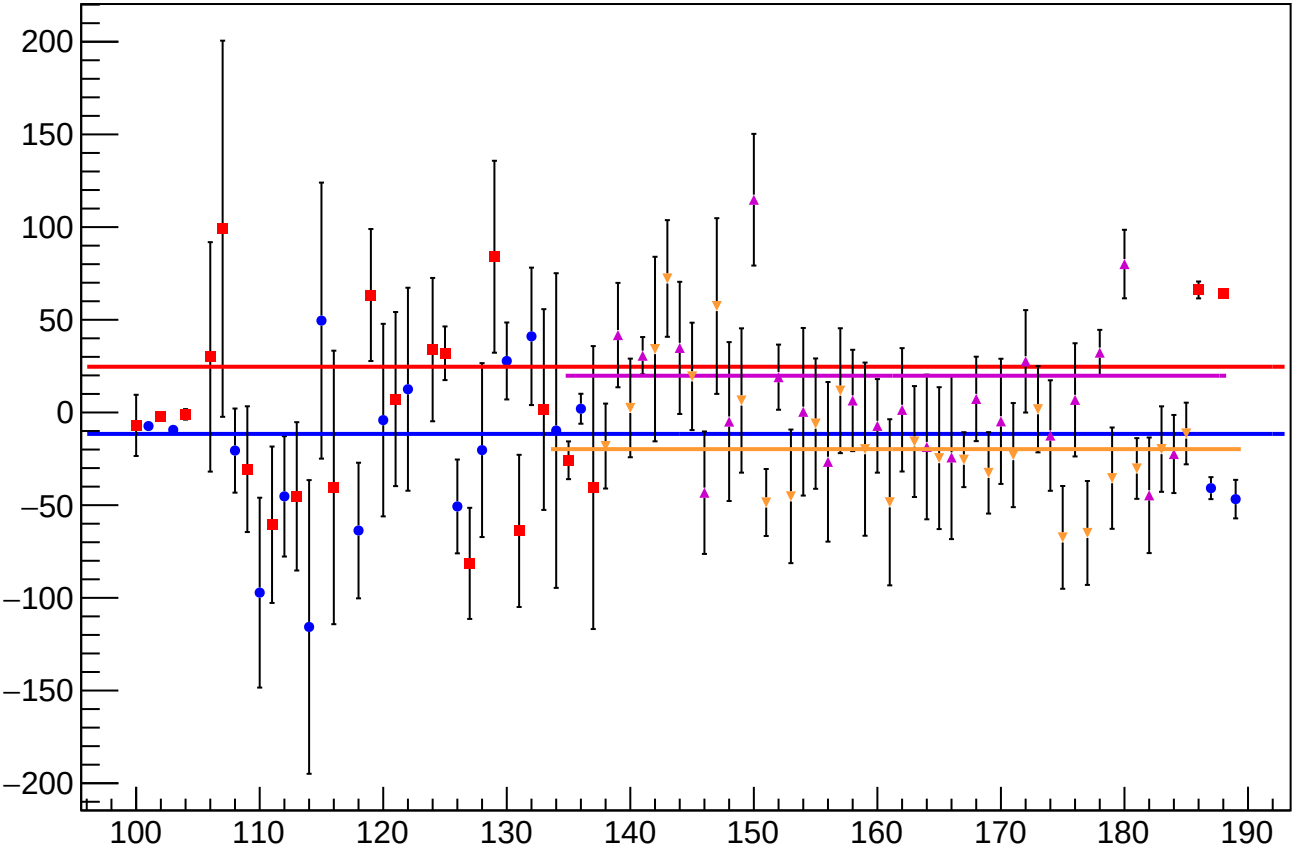
Right: 3384.750+/-0.979 χ^2/NDF: 15666003.9/38

In: 6071.439+/-1.461 χ^2/NDF:25487952.8/40

Out: 4738.994+/-1.175 χ^2/NDF:30726628.0/45

All: 5262.252+/-0.916 χ^2/NDF: 56719623.0/8

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -11.559+/-1.632 χ^2/NDF: 58.9/17

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 24.672+/-1.406 χ^2/NDF: 576.4/20

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

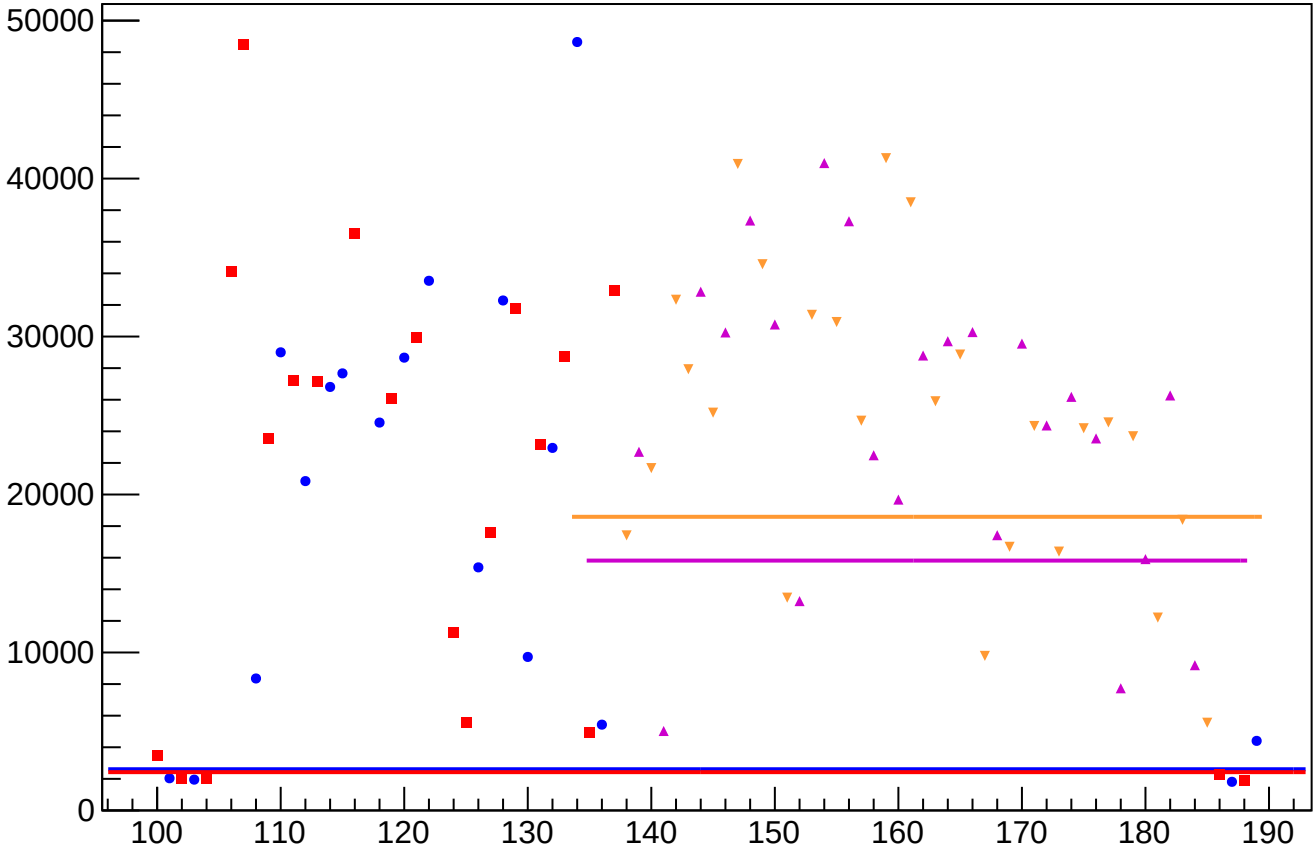
Right: 9.236+/-1.065 χ^2/NDF: 918.2/38

In: -8.363+/-1.546 χ^2/NDF:136.8/40

Out: 21.553+/-1.356 χ^2/NDF:674.3/45

All: 8.553+/-1.019 χ^2/NDF: 1022.8/86

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2608.721+/-1.154 χ^2/NDF: 6876910.4/17

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2424.965+/-0.994 χ^2/NDF: 8138081.6/20

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

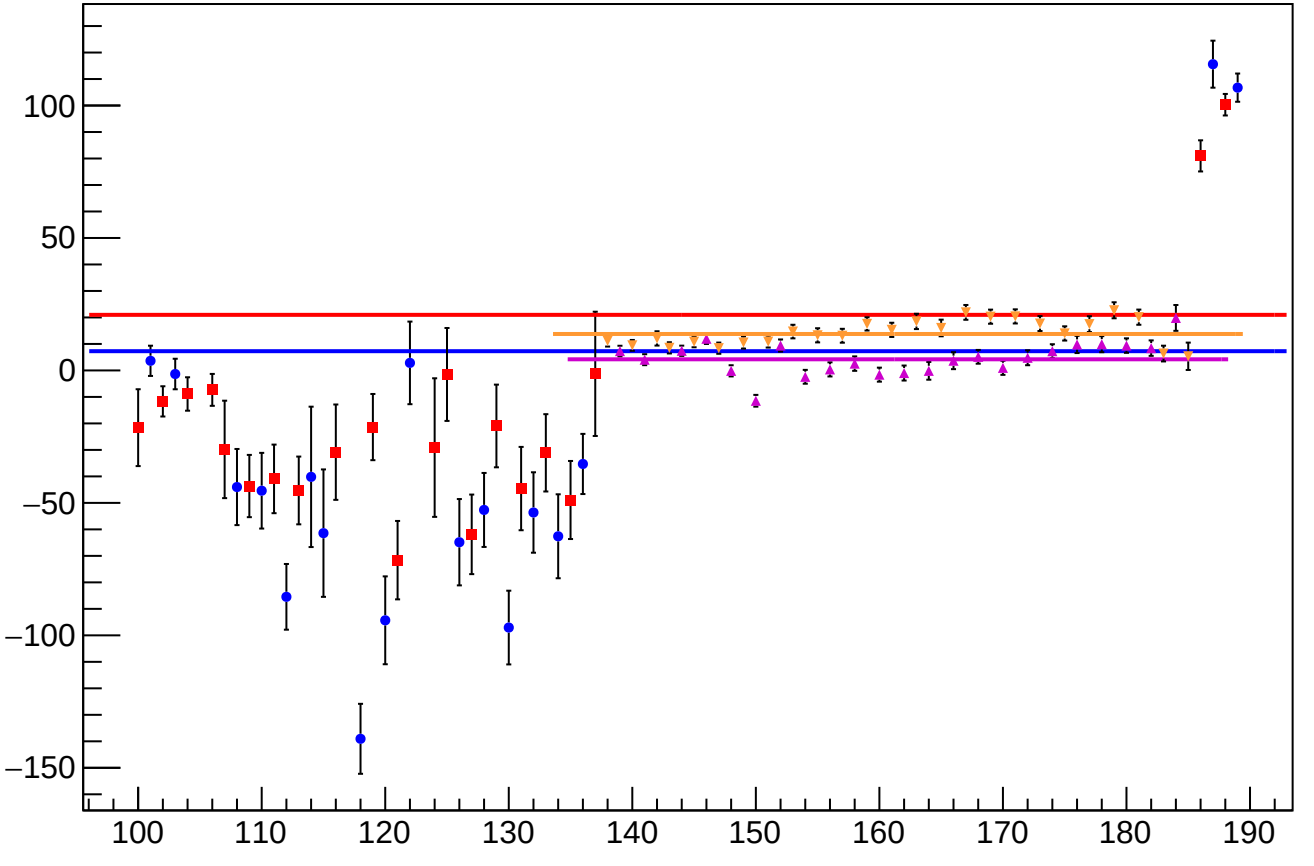
Right: 2503.256+/-0.753 χ^2/NDF: 15029548.7/38

In: 3954.086+/-1.093 χ^2/NDF:28631915.4/40

Out: 3559.661+/-0.959 χ^2/NDF:32395337.6/45

All: 3731.058+/-0.721 χ^2/NDF: 61100821.2/8

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 7.266+/-2.413 χ^2/NDF: 898.3/17

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 20.983+/-2.031 χ^2/NDF: 814.3/20

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

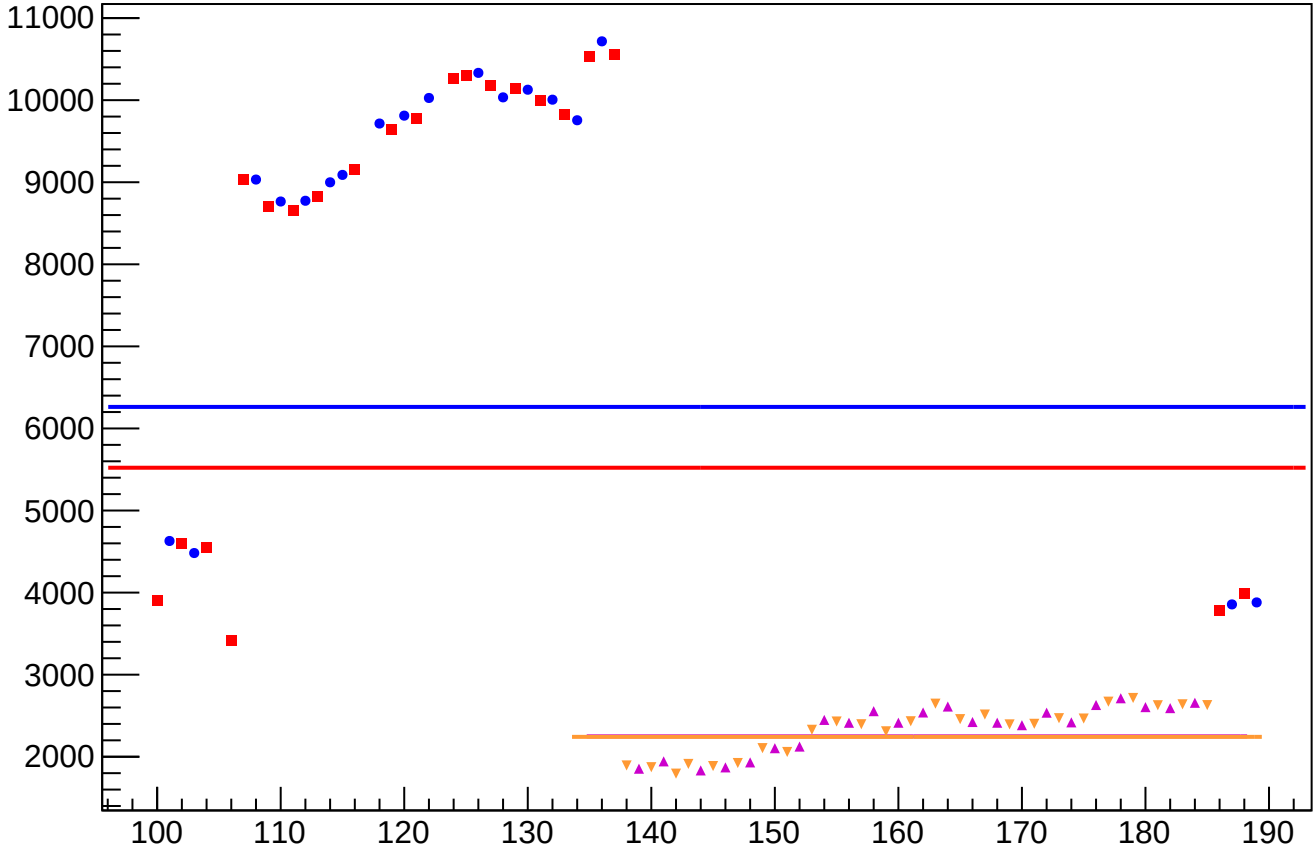
Right: 15.294+/-1.554 χ^2/NDF: 1731.6/38

In: 4.343+/-0.518 χ^2/NDF:1023.8/40

Out: 14.196+/-0.498 χ^2/NDF:903.5/45

All: 9.458+/-0.359 χ^2/NDF: 2115.2/86

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 6262.489+/-1.706 χ^2/NDF: 2464949.1/17

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 5521.499+/-1.436 χ^2/NDF: 3006373.3/20

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

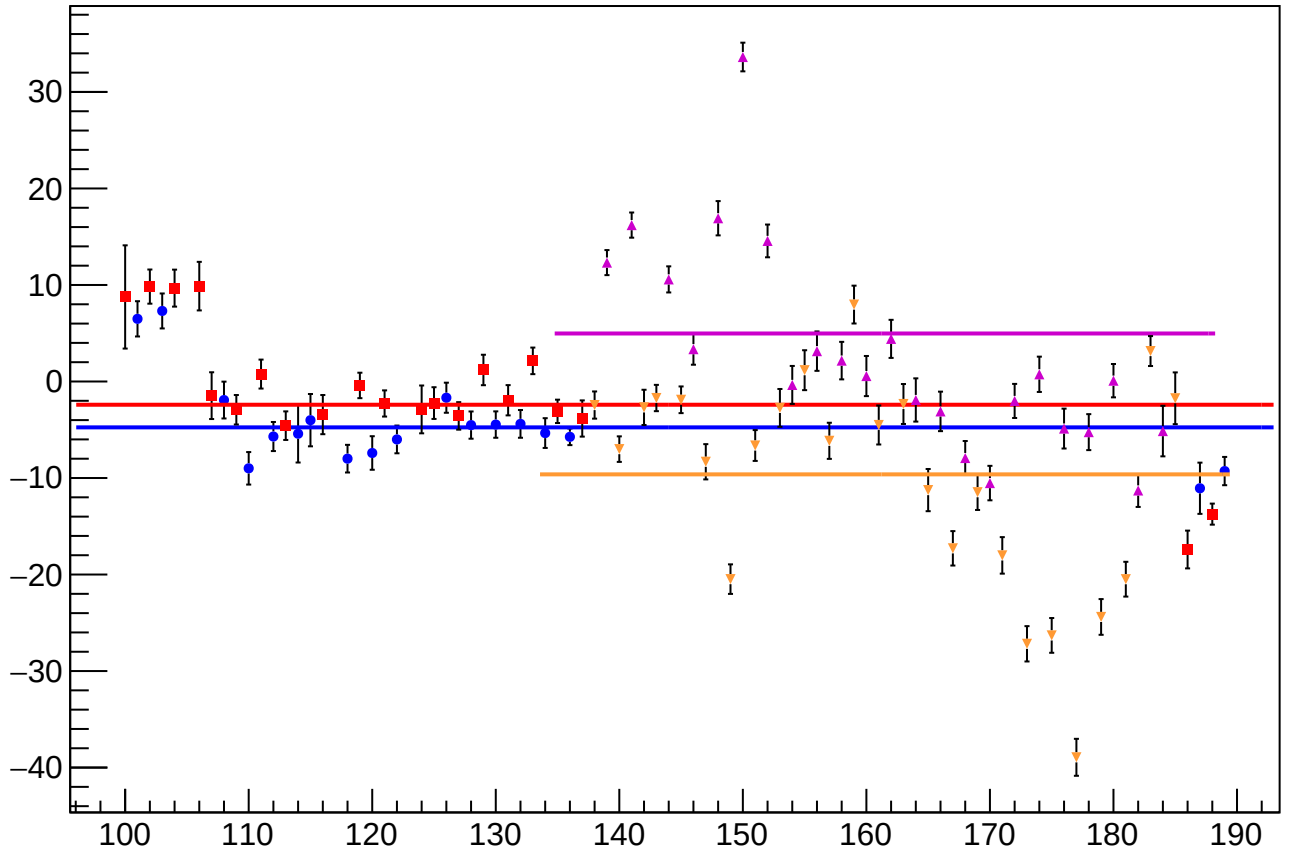
Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

Right: 5828.804+/-1.099 χ^2/NDF: 5581729.4/38

In: 2433.396+/-0.366 χ^2/NDF:8387687.5/40

Out: 2439.722+/-0.352 χ^2/NDF:8564051.1/45

All: 2436.680+/-0.254 χ^2/NDF: 16951893.6/8



Right In: -4.753+/-0.364 χ^2/NDF: 120.2/17

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -2.408+/-0.352 χ^2/NDF: 309.8/20

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

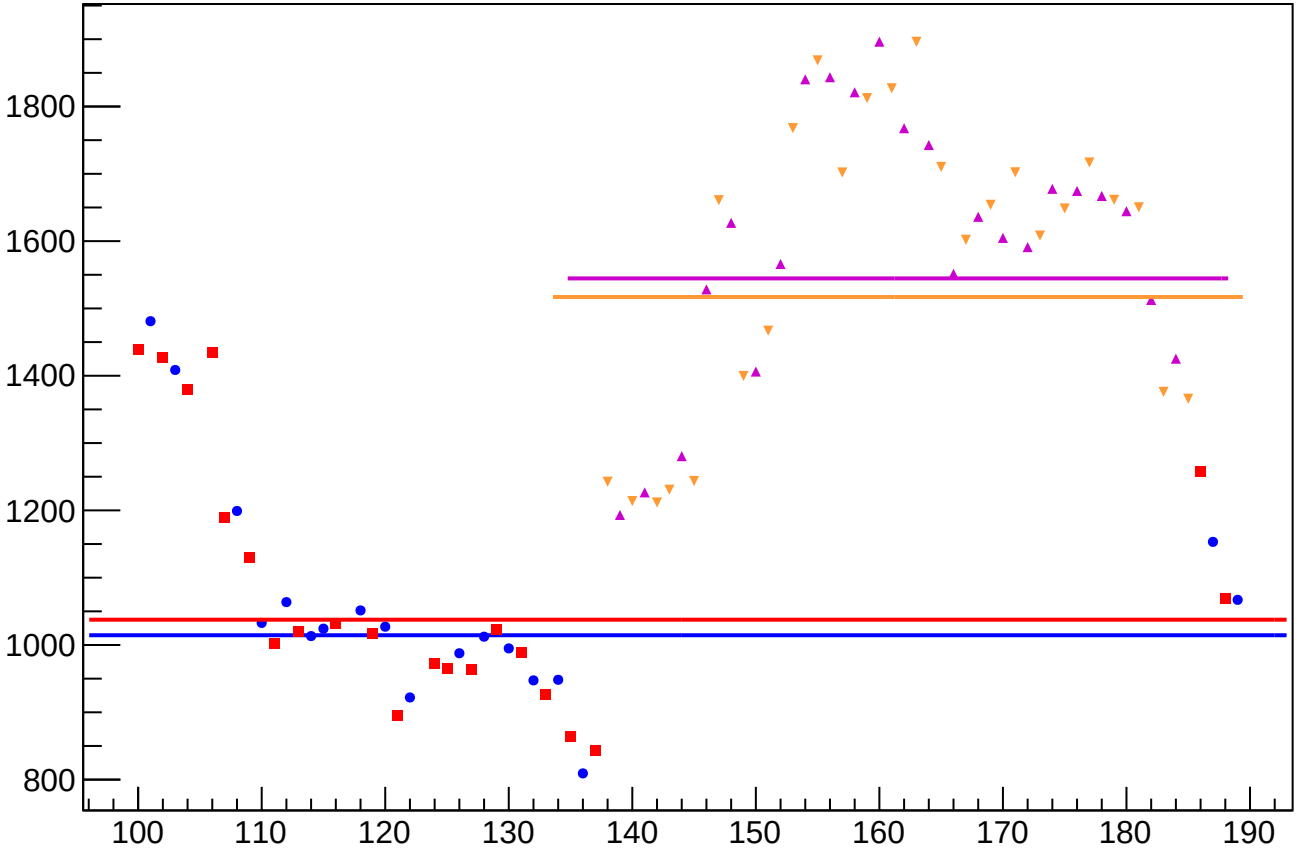
Right: -3.540+/-0.253 χ^2/NDF: 451.4/38

In: 0.104+/-0.258 χ^2/NDF:1406.3/40

Out: -6.044+/-0.248 χ^2/NDF:1455.9/45

All: -3.089+/-0.179 χ^2/NDF: 3157.9/86

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1014.492+/-0.257 χ^2/NDF: 387444.2/17

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1037.586+/-0.249 χ^2/NDF: 375117.0/20

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

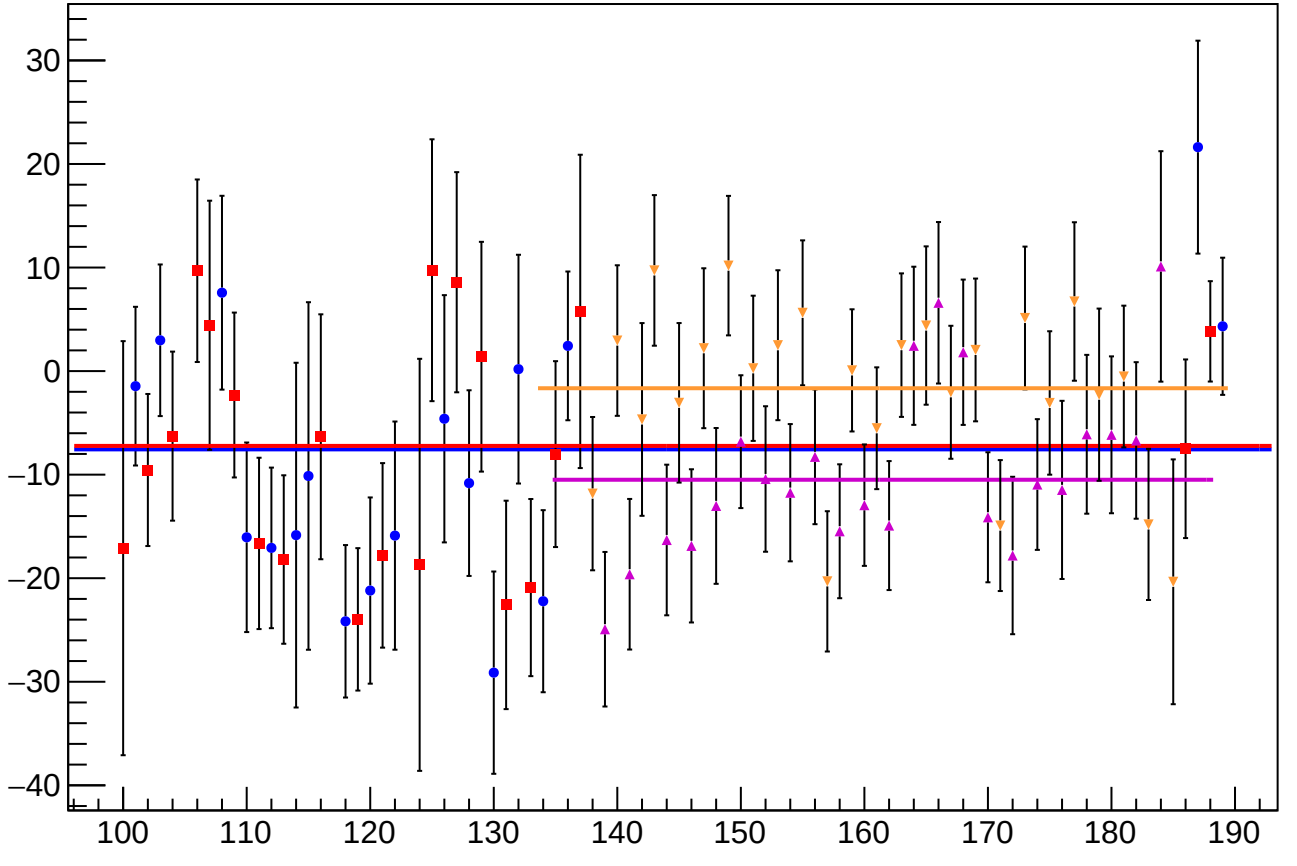
Right: 1026.433+/-0.179 χ^2/NDF: 766721.5/38

In: 1279.192+/-0.182 χ^2/NDF:3142953.4/40

Out: 1279.201+/-0.175 χ^2/NDF:3079059.1/45

All: 1279.197+/-0.126 χ^2/NDF: 6222012.5/86

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -7.560+/-2.110 χ^2/NDF: 37.5/17

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -7.224+/-1.945 χ^2/NDF: 31.6/20

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

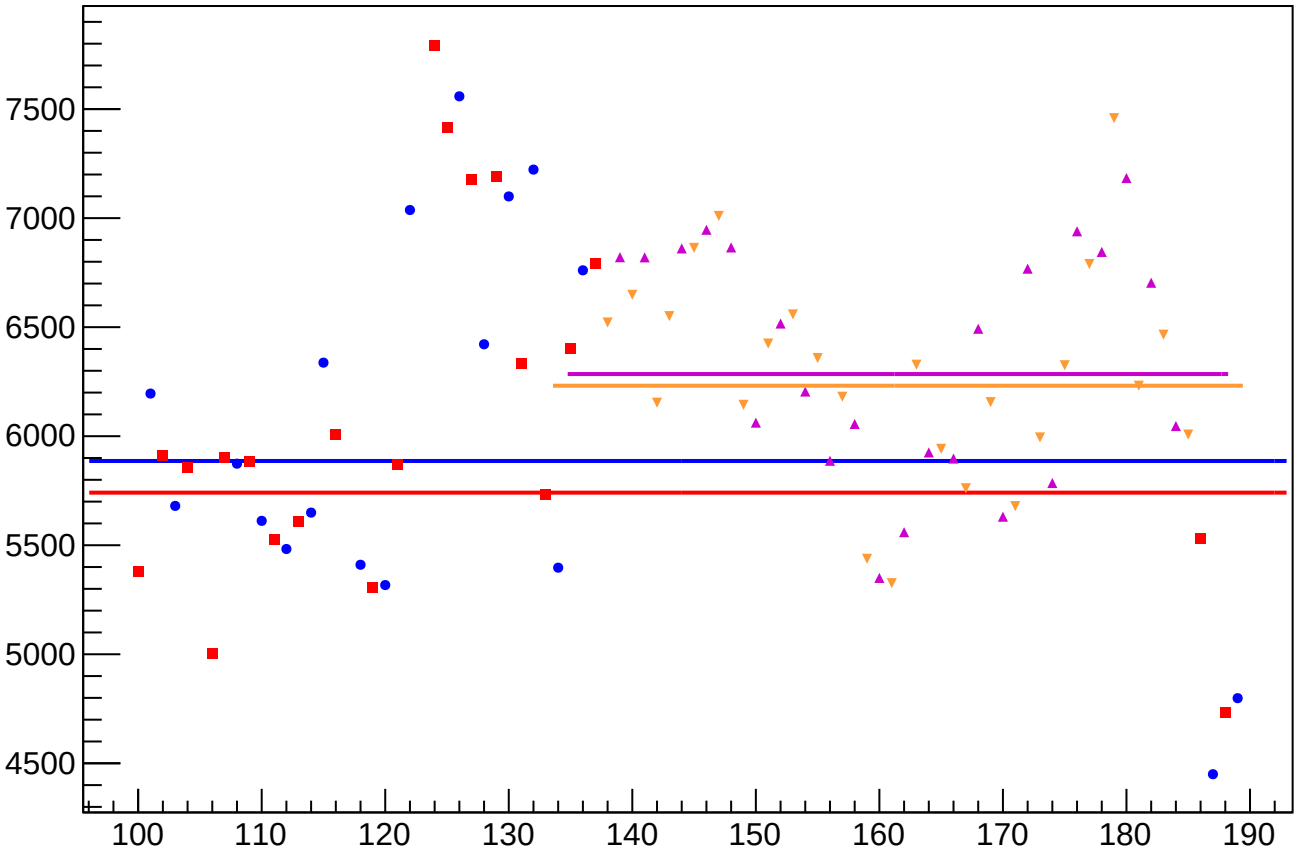
Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

Right: -7.378+/-1.430 χ^2/NDF: 69.1/38

In: -9.525+/-1.211 χ^2/NDF:63.7/40

Out: -3.603+/-1.150 χ^2/NDF:68.4/45

All: -6.410+/-0.834 χ^2/NDF: 144.7/86



Right In: 5886.318+/-1.492 χ^2/NDF: 287424.0/17

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5741.187+/-1.375 χ^2/NDF: 270442.3/20

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

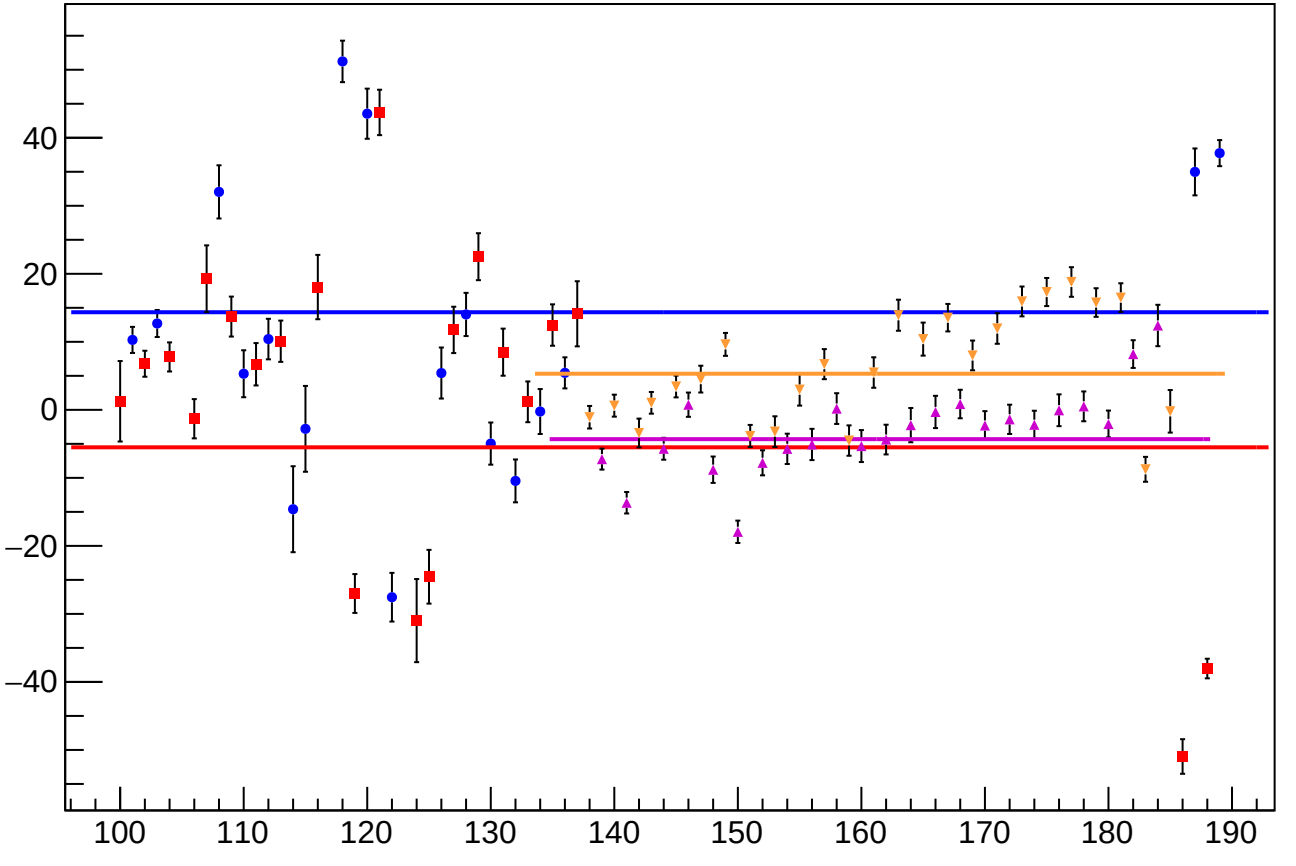
Right: 5807.857+/-1.011 χ^2/NDF: 562981.9/38

In: 6153.600+/-0.857 χ^2/NDF:600673.1/40

Out: 6060.080+/-0.813 χ^2/NDF:580080.2/45

All: 6104.413+/-0.590 χ^2/NDF: 1187021.5/86

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 14.350+/-0.688 χ^2/NDF: 734.5/17

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -5.508+/-0.631 χ^2/NDF: 1525.1/20

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

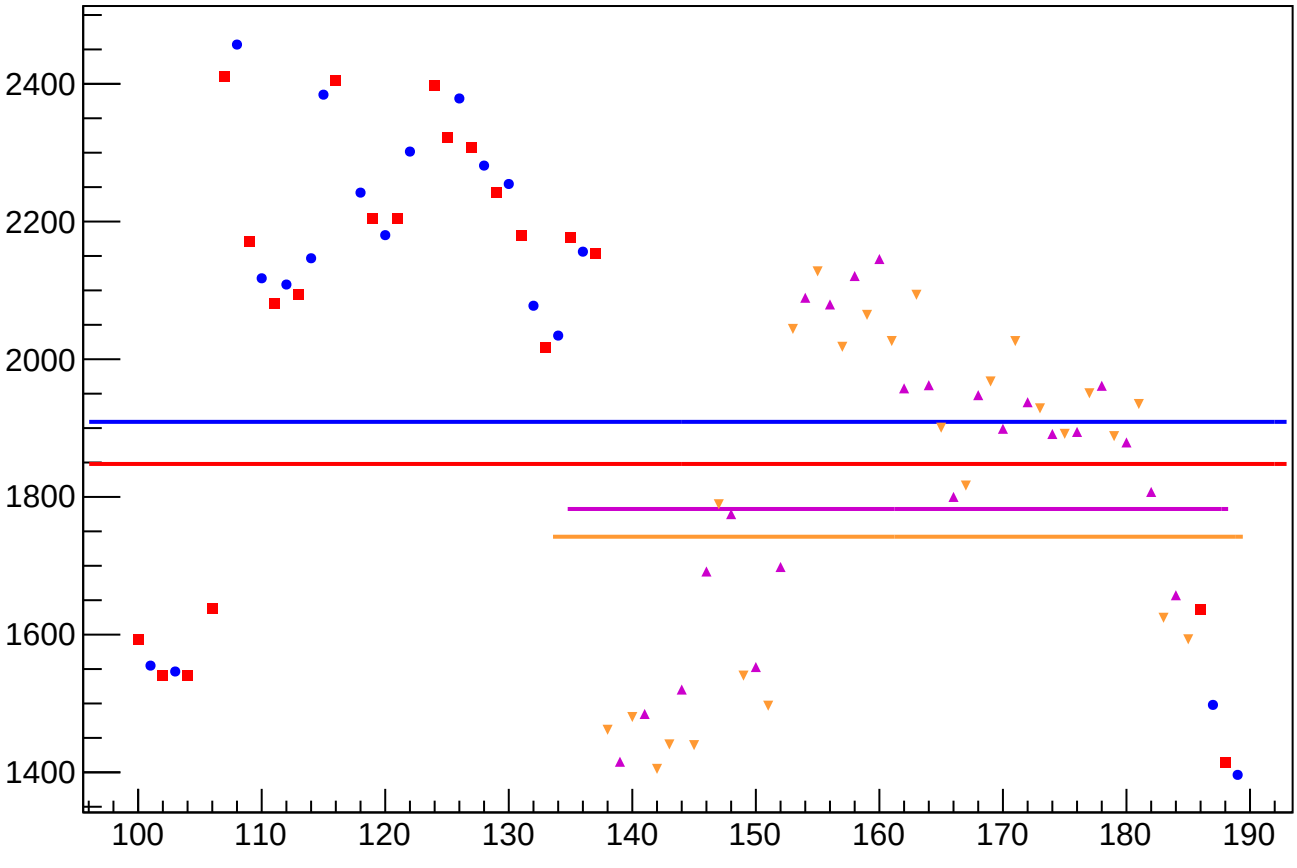
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 3.563+/-0.465 χ^2/NDF: 2711.8/38

In: 0.755+/-0.359 χ^2/NDF:1490.4/40

Out: 2.208+/-0.338 χ^2/NDF:2112.8/45

All: 1.524+/-0.246 χ^2/NDF: 3612.0/86



Right In: 1909.055+/-0.487 χ^2/NDF: 550496.6/17

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1847.906+/-0.446 χ^2/NDF: 622576.3/20

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

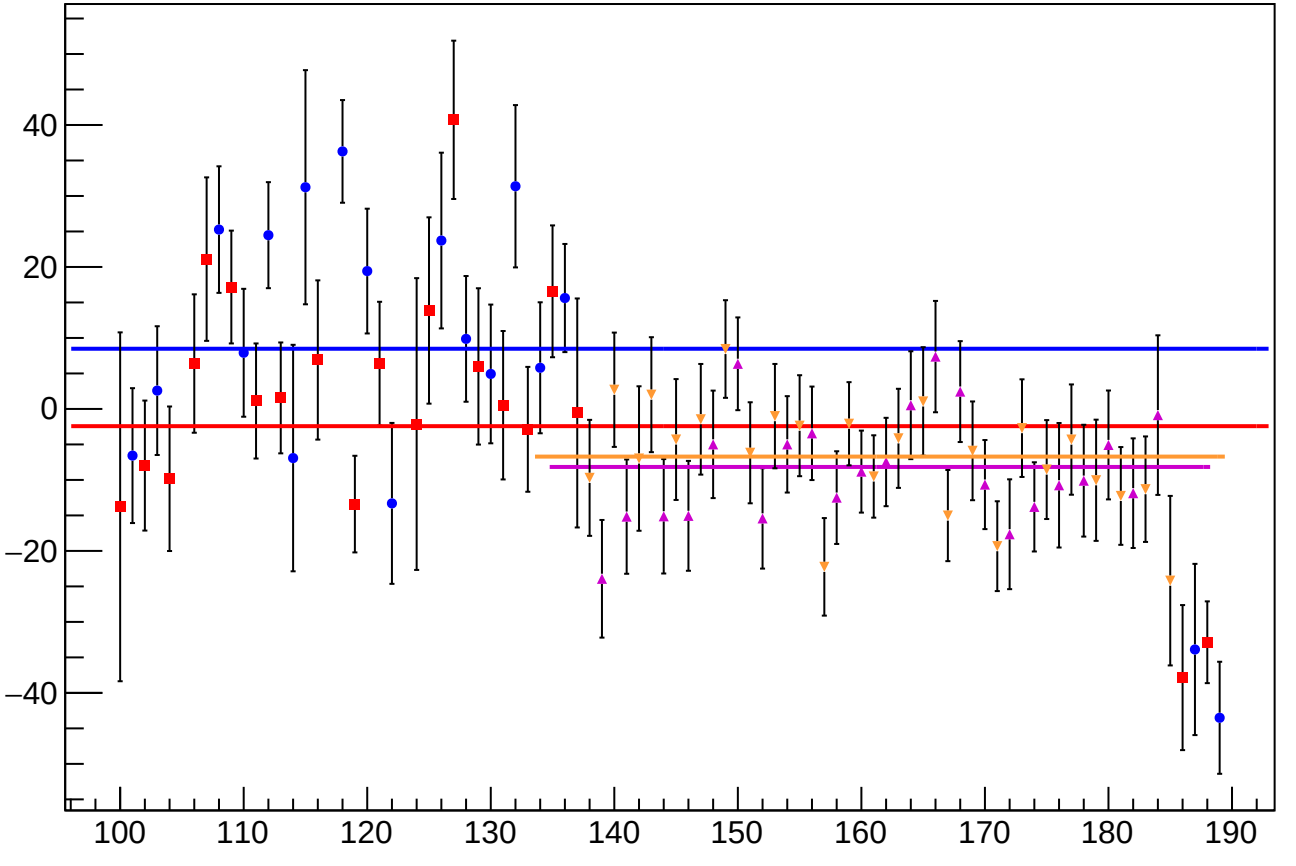
Right: 1875.840+/-0.329 χ^2/NDF: 1181647.8/38

In: 1816.850+/-0.254 χ^2/NDF:1134135.2/40

Out: 1772.539+/-0.239 χ^2/NDF:1430228.1/45

All: 1793.392+/-0.174 χ^2/NDF: 2580532.4/86

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 8.480+/-2.220 χ^2/NDF: 96.3/17

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -2.426+/-2.071 χ^2/NDF: 78.3/20

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

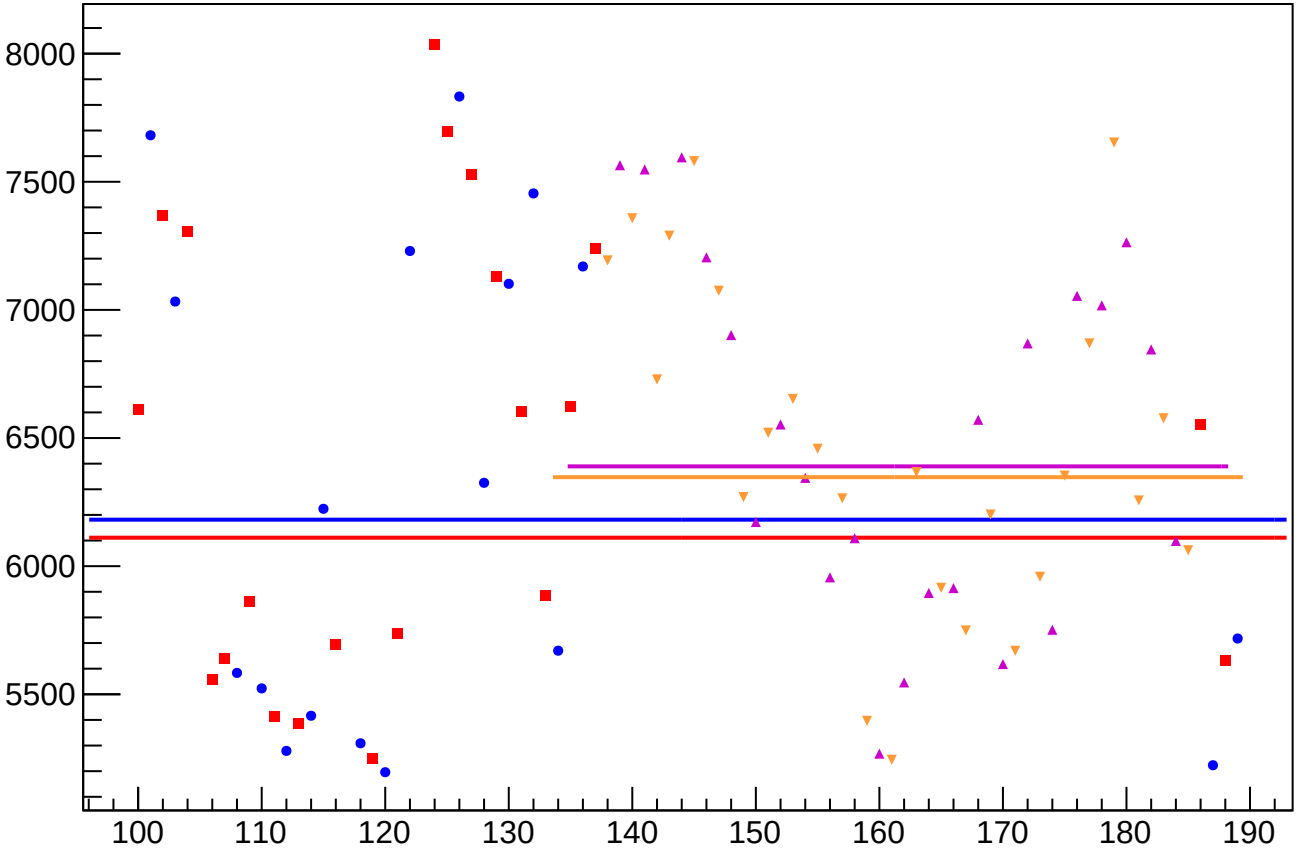
Right: 2.648+/-1.514 χ^2/NDF: 187.5/38

In: -2.905+/-1.249 χ^2/NDF:158.9/40

Out: -5.293+/-1.192 χ^2/NDF:106.8/45

All: -4.154+/-0.862 χ^2/NDF: 267.7/86

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6181.406+/-1.570 χ^2/NDF: 330328.2/17

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6111.140+/-1.464 χ^2/NDF: 283765.9/20

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

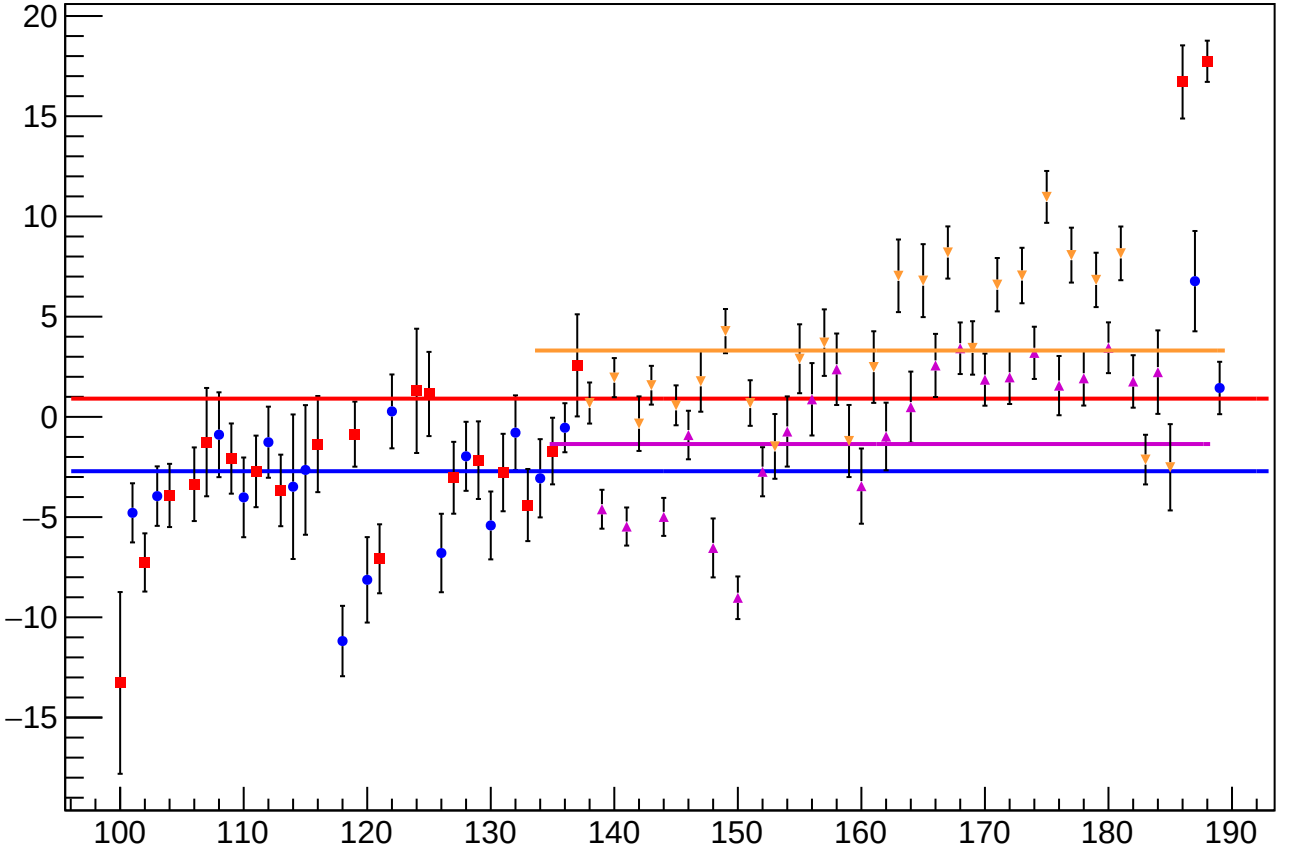
Right: 6143.831+/-1.071 χ^2/NDF: 615165.3/38

In: 6323.644+/-0.883 χ^2/NDF:762088.0/40

Out: 6269.050+/-0.843 χ^2/NDF:687179.5/45

All: 6295.083+/-0.610 χ^2/NDF: 1451267.8/86

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -2.710+/-0.421 χ^2/NDF: 72.7/17

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 0.910+/-0.394 χ^2/NDF: 459.6/20

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

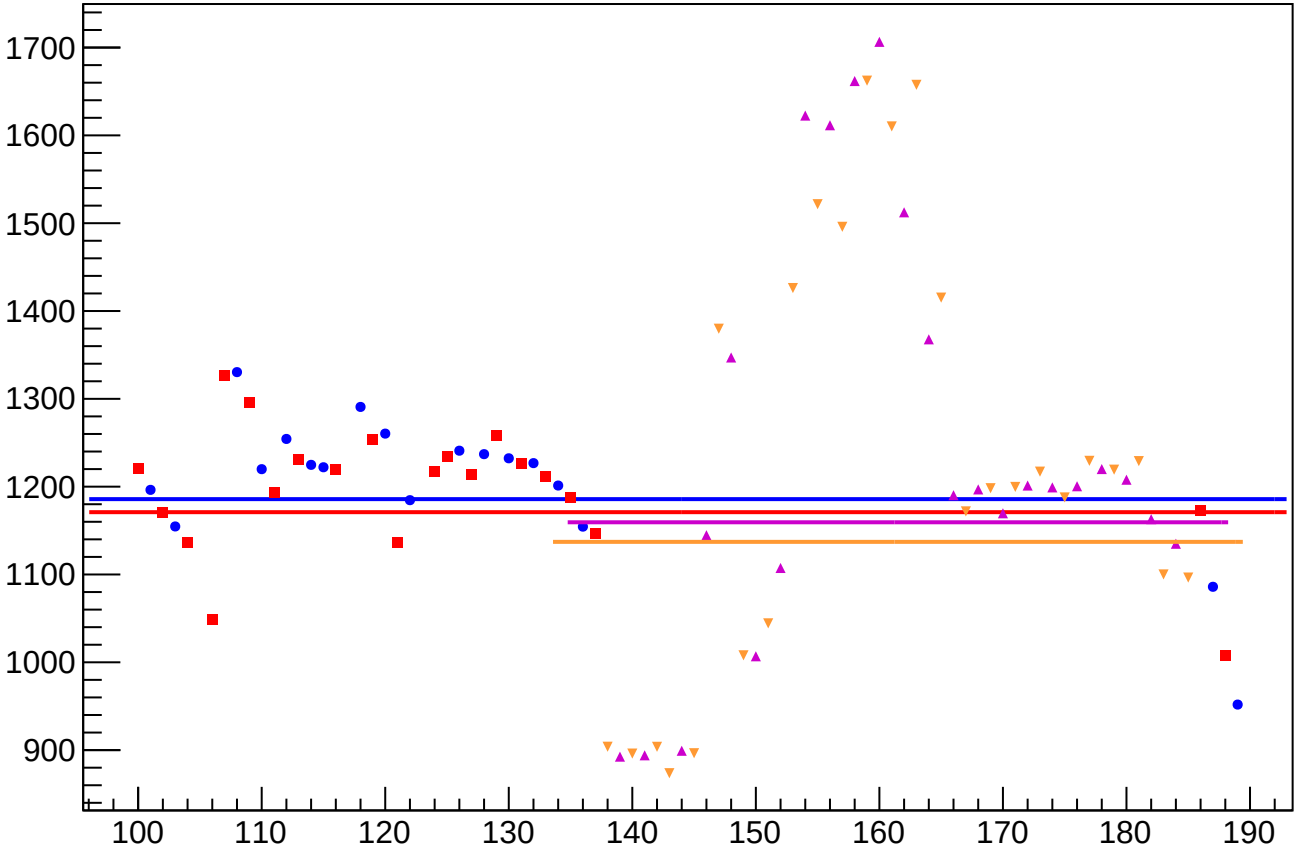
Right: -0.777+/-0.288 χ^2/NDF: 571.8/38

In: -1.763+/-0.231 χ^2/NDF:276.2/40

Out: 2.565+/-0.220 χ^2/NDF:663.2/45

All: 0.514+/-0.159 χ^2/NDF: 1123.6/86

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1185.804+/-0.298 χ^2/NDF: 98505.6/17

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1170.946+/-0.278 χ^2/NDF: 97055.2/20

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

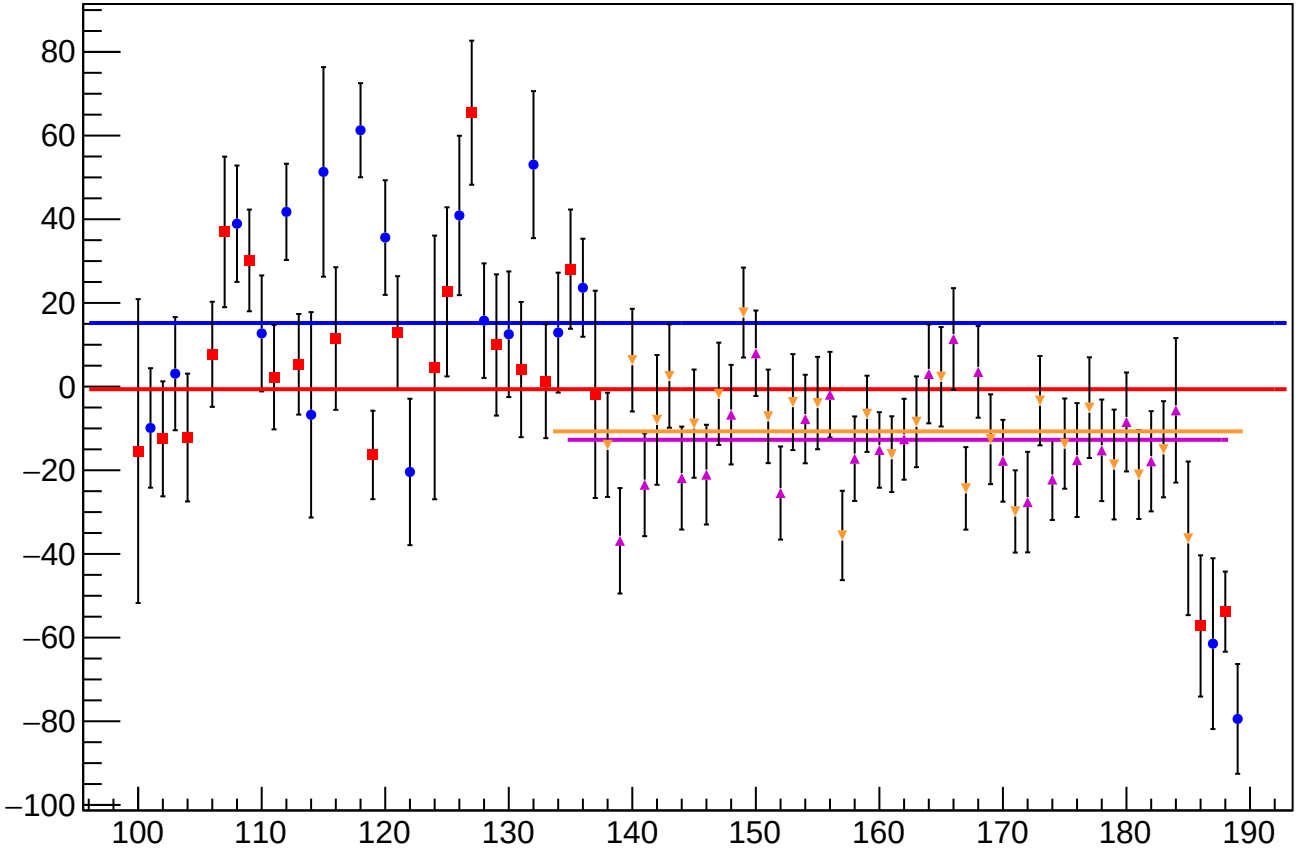
Right: 1177.871+/-0.203 χ^2/NDF: 196888.3/38

In: 1167.375+/-0.164 χ^2/NDF:1363772.5/40

Out: 1147.655+/-0.155 χ^2/NDF:1576895.3/45

All: 1157.001+/-0.113 χ^2/NDF: 2948316.4/86

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 15.204+/-3.447 χ^2/NDF: 111.3/17

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -0.621+/-3.190 χ^2/NDF: 79.4/20

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

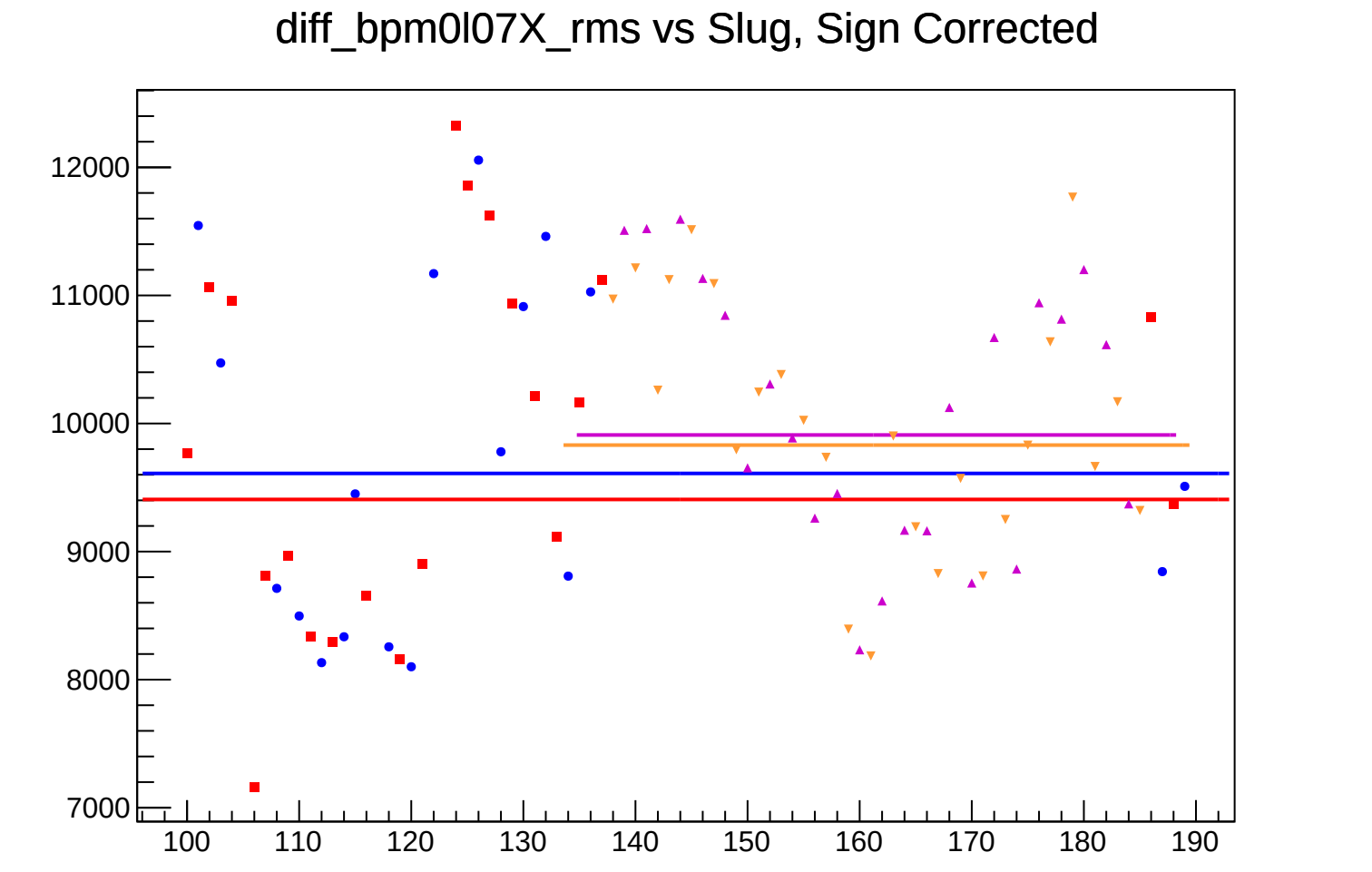
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: 6.682+/-2.341 χ^2/NDF: 202.1/38

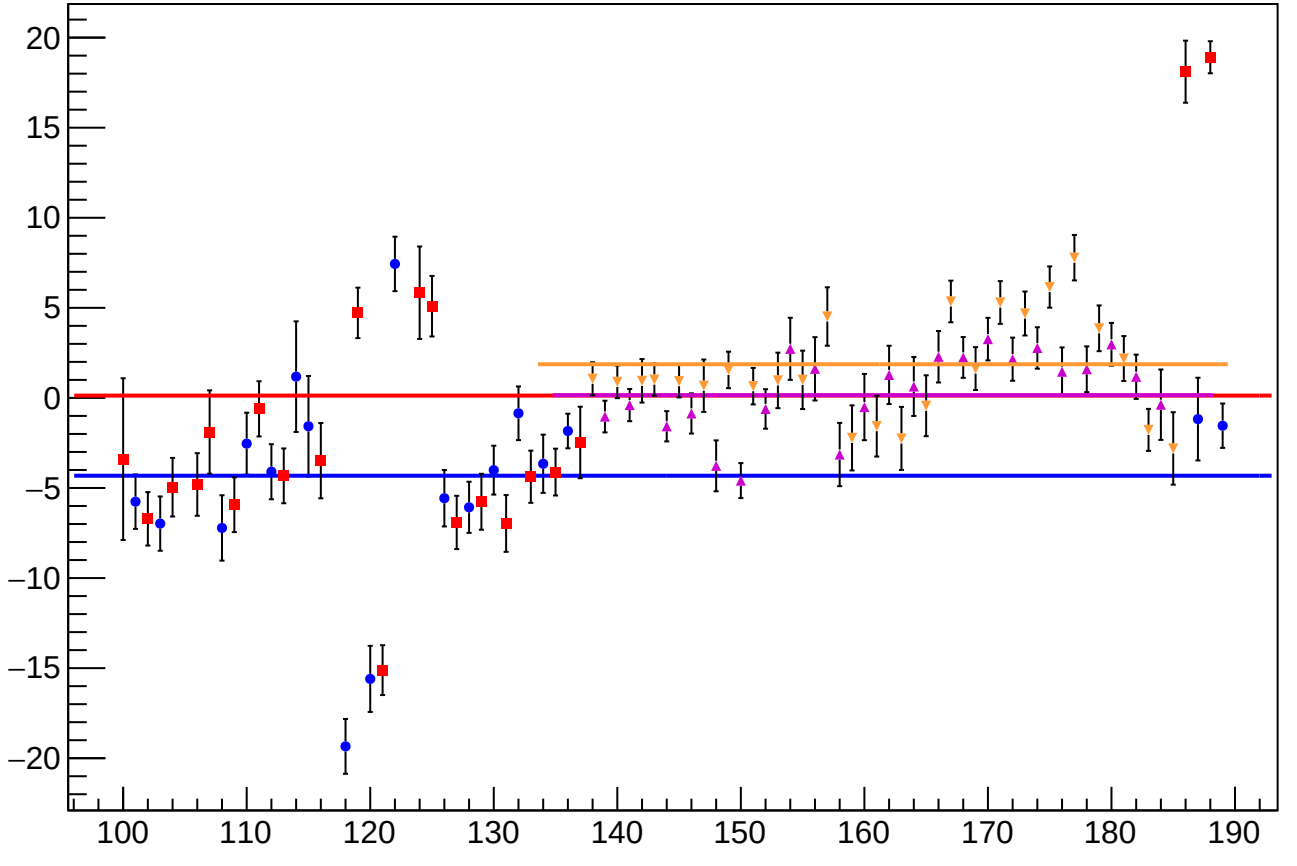
In: -3.904+/-1.936 χ^2/NDF:180.3/40

Out: -7.336+/-1.843 χ^2/NDF:114.8/45

All: -5.705+/-1.335 χ^2/NDF: 296.7/86


diff_bpm0l07X_rms vs Slug, Sign Corrected
12000
11000
10000
9000
8000
7000
100
110
120
130
140
150
160
170
180
190
Right In: 9610.147+/-2.437 χ²/NDF: 282752.4/17
Left Out: 9831.301+/-1.596 χ²/NDF:356125.1/24
Right Out: 9406.925+/-2.256 χ²/NDF: 316470.9/20
Left In: 9910.300+/-1.655 χ²/NDF:389368.1/22
Left: 9869.364+/-1.149 χ²/NDF: 746673.5/47
Right: 9500.706+/-1.656 χ²/NDF: 602967.9/38
In: 9815.548+/-1.369 χ²/NDF:682500.7/40
Out: 9689.739+/-1.303 χ²/NDF:696177.5/45
All: 9749.524+/-0.944 χ²/NDF: 1383108.4/86

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.363 χ^2/NDF: 229.0/17

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 0.130+/-0.340 χ^2/NDF: 847.7/20

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

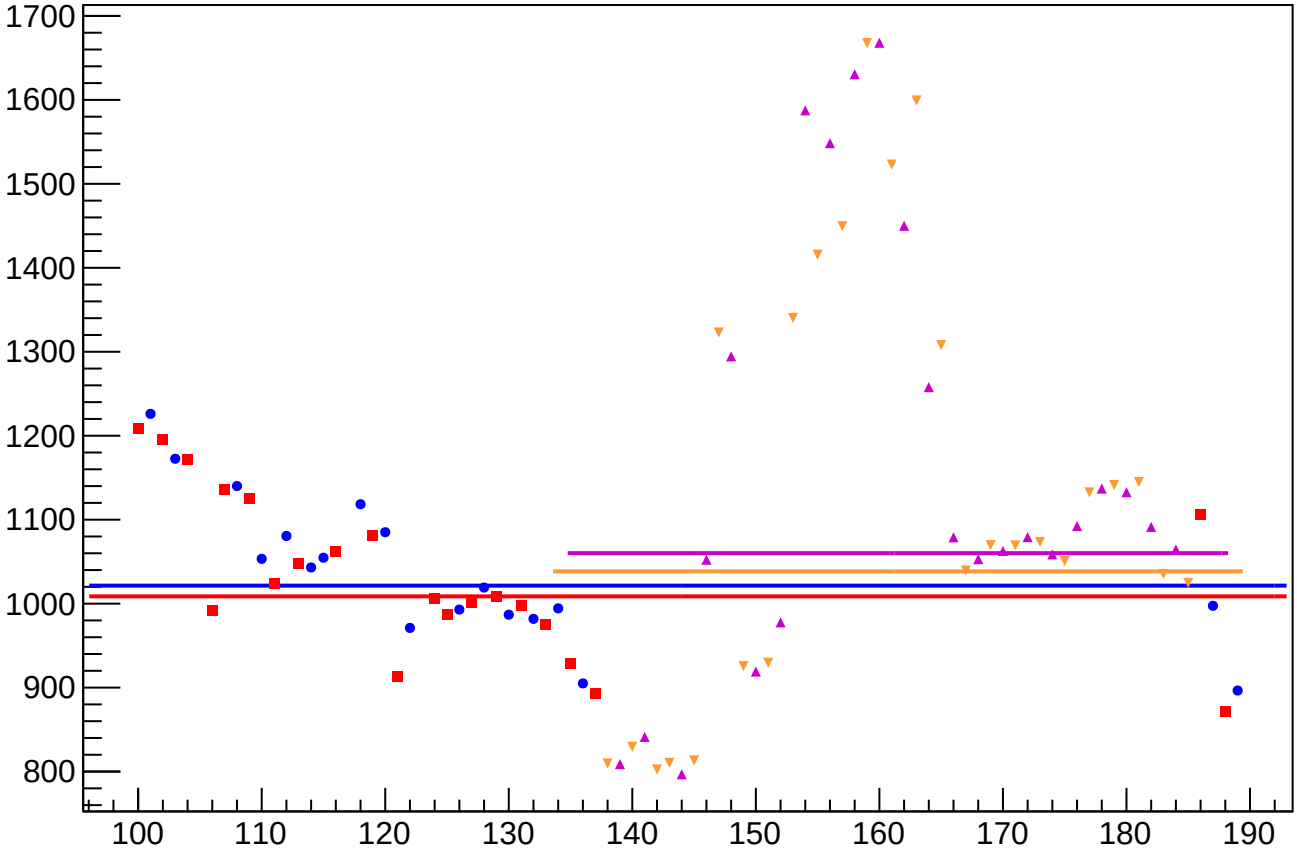
Right: -1.946+/-0.248 χ^2/NDF: 1156.6/38

In: -1.319+/-0.208 χ^2/NDF:406.2/40

Out: 1.282+/-0.197 χ^2/NDF:968.2/45

All: 0.052+/-0.143 χ^2/NDF: 1456.4/86

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1021.452+/-0.257 χ^2/NDF: 136357.6/17

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 1008.688+/-0.240 χ^2/NDF: 161008.1/20

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

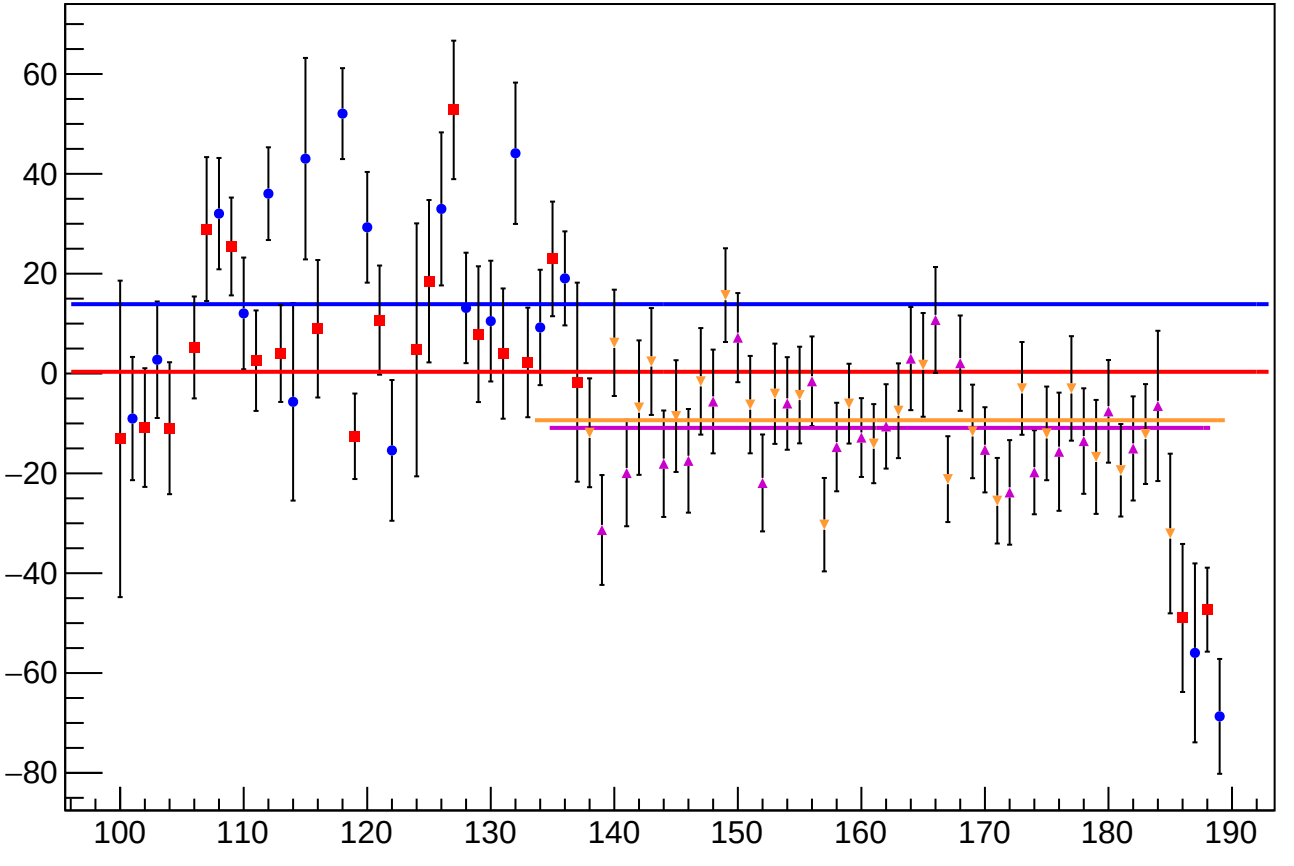
Right: 1014.642+/-0.176 χ^2/NDF: 298681.5/38

In: 1047.429+/-0.147 χ^2/NDF:1674800.1/40

Out: 1028.372+/-0.140 χ^2/NDF:1877820.0/45

All: 1037.385+/-0.101 χ^2/NDF: 3561428.7/86

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 13.892+/-2.823 χ^2/NDF: 112.9/17

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 0.347+/-2.623 χ^2/NDF: 79.3/20

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

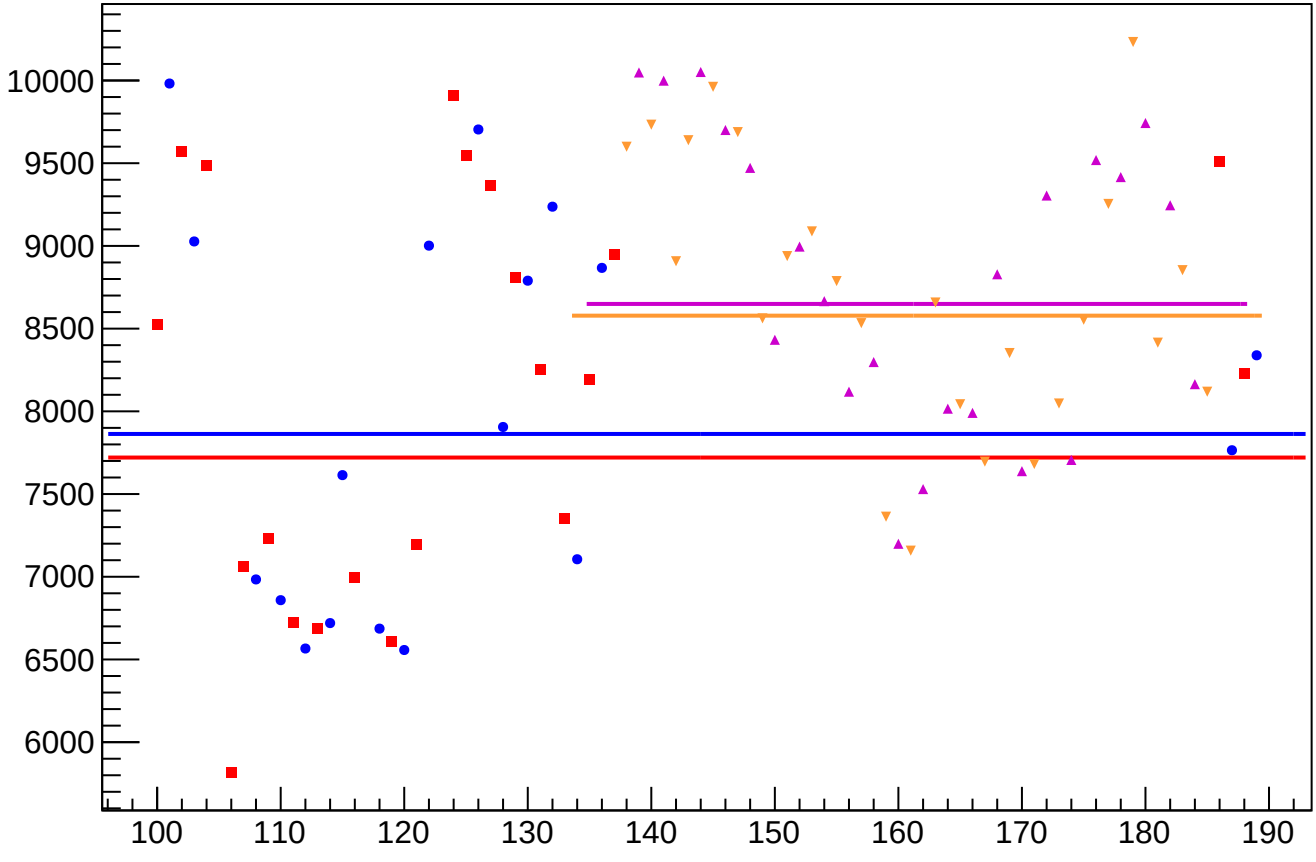
Right: 6.623+/-1.922 χ^2/NDF: 204.6/38

In: -2.378+/-1.655 χ^2/NDF:187.1/40

Out: -5.859+/-1.575 χ^2/NDF:116.6/45

All: -4.205+/-1.141 χ^2/NDF: 306.0/86

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7863.255+/-1.997 χ^2/NDF: 321755.6/17

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7720.670+/-1.855 χ^2/NDF: 384462.3/20

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

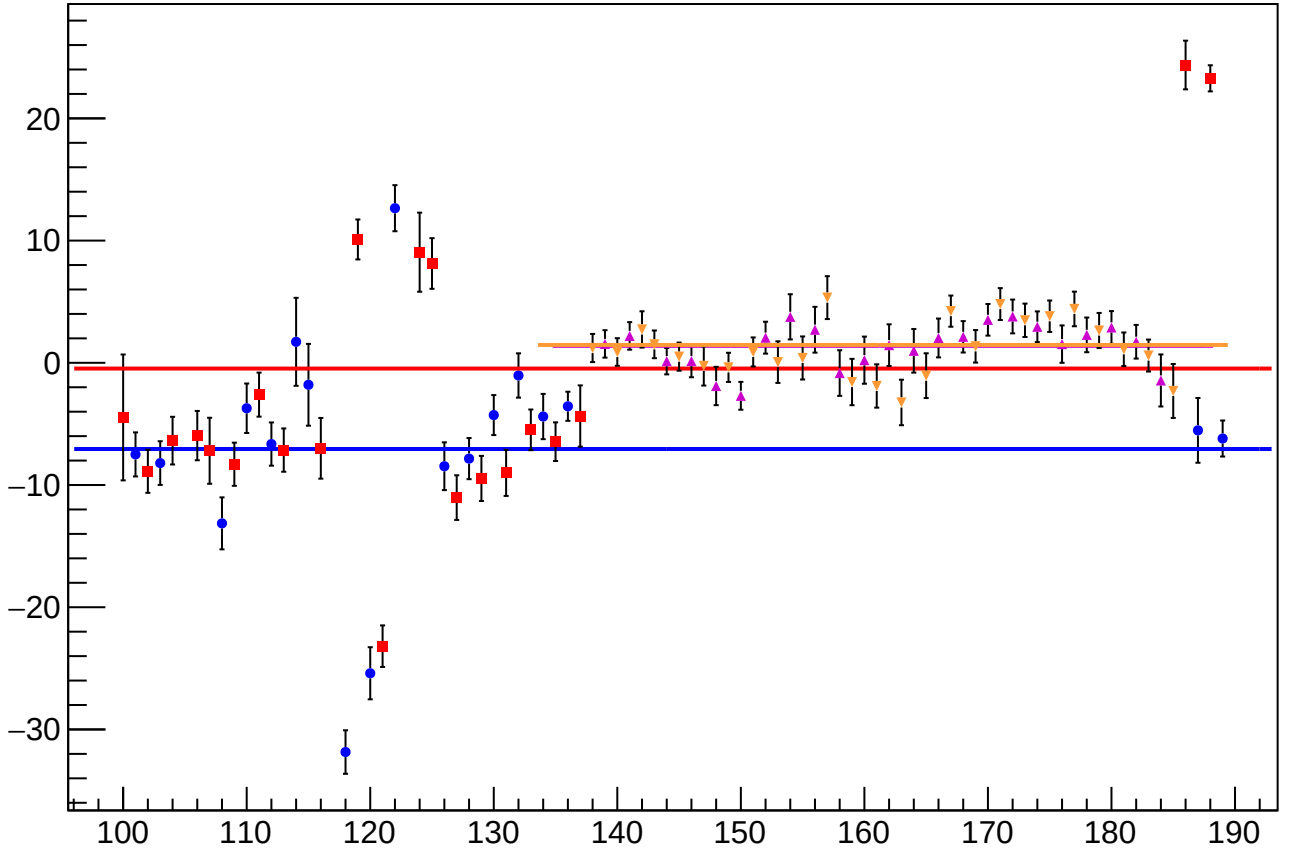
Right: 7786.734+/-1.359 χ^2/NDF: 708955.2/38

In: 8379.224+/-1.170 χ^2/NDF:801427.5/40

Out: 8269.299+/-1.114 χ^2/NDF:864924.7/45

All: 8321.541+/-0.807 χ^2/NDF: 1670982.8/86

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.052+/-0.435 χ^2/NDF: 423.0/17

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -0.470+/-0.405 χ^2/NDF: 1087.2/20

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

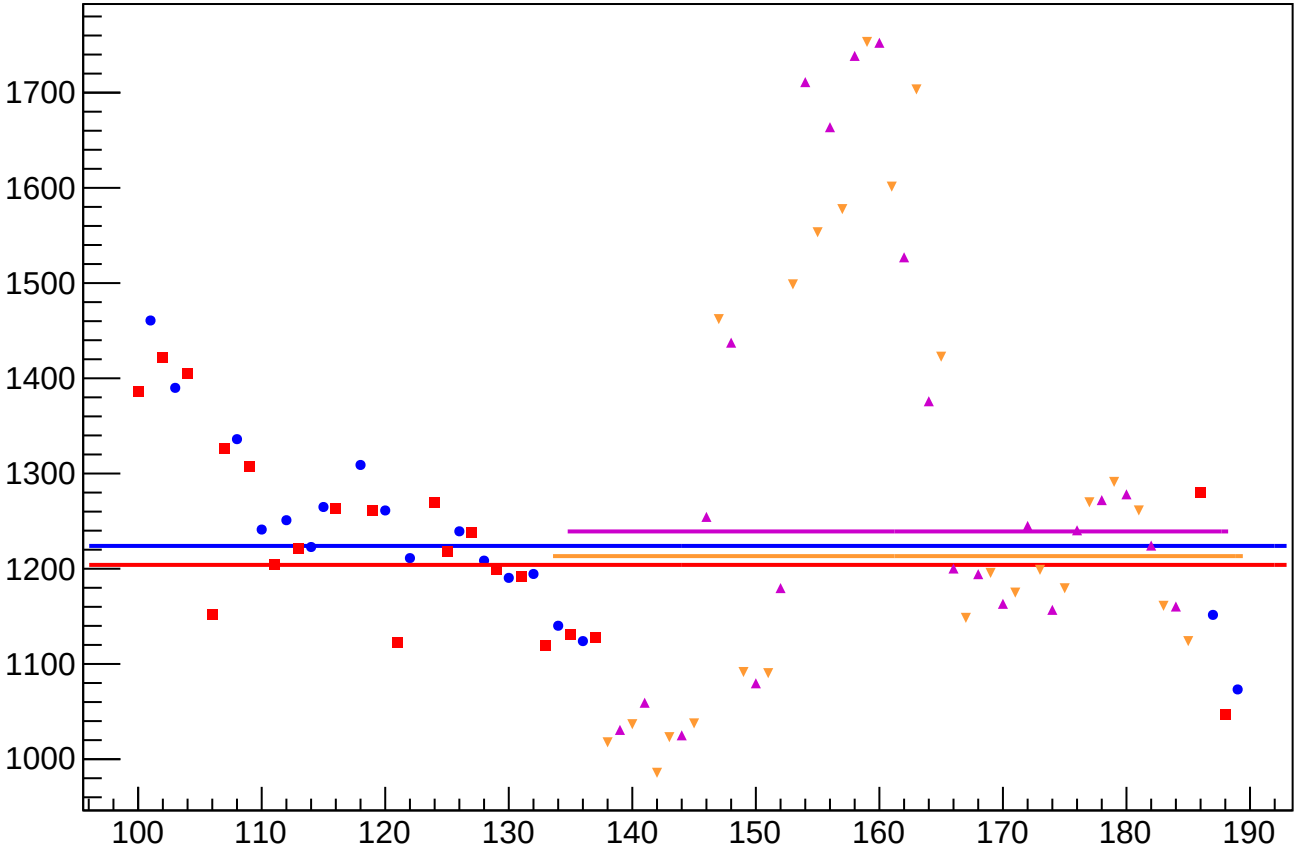
Right: -3.528+/-0.297 χ^2/NDF: 1632.7/38

In: -1.259+/-0.244 χ^2/NDF:716.8/40

Out: 0.836+/-0.231 χ^2/NDF:1153.6/45

All: -0.154+/-0.168 χ^2/NDF: 1909.3/86

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1223.972+/-0.308 χ^2/NDF: 105778.9/17

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1204.041+/-0.287 χ^2/NDF: 133889.4/20

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

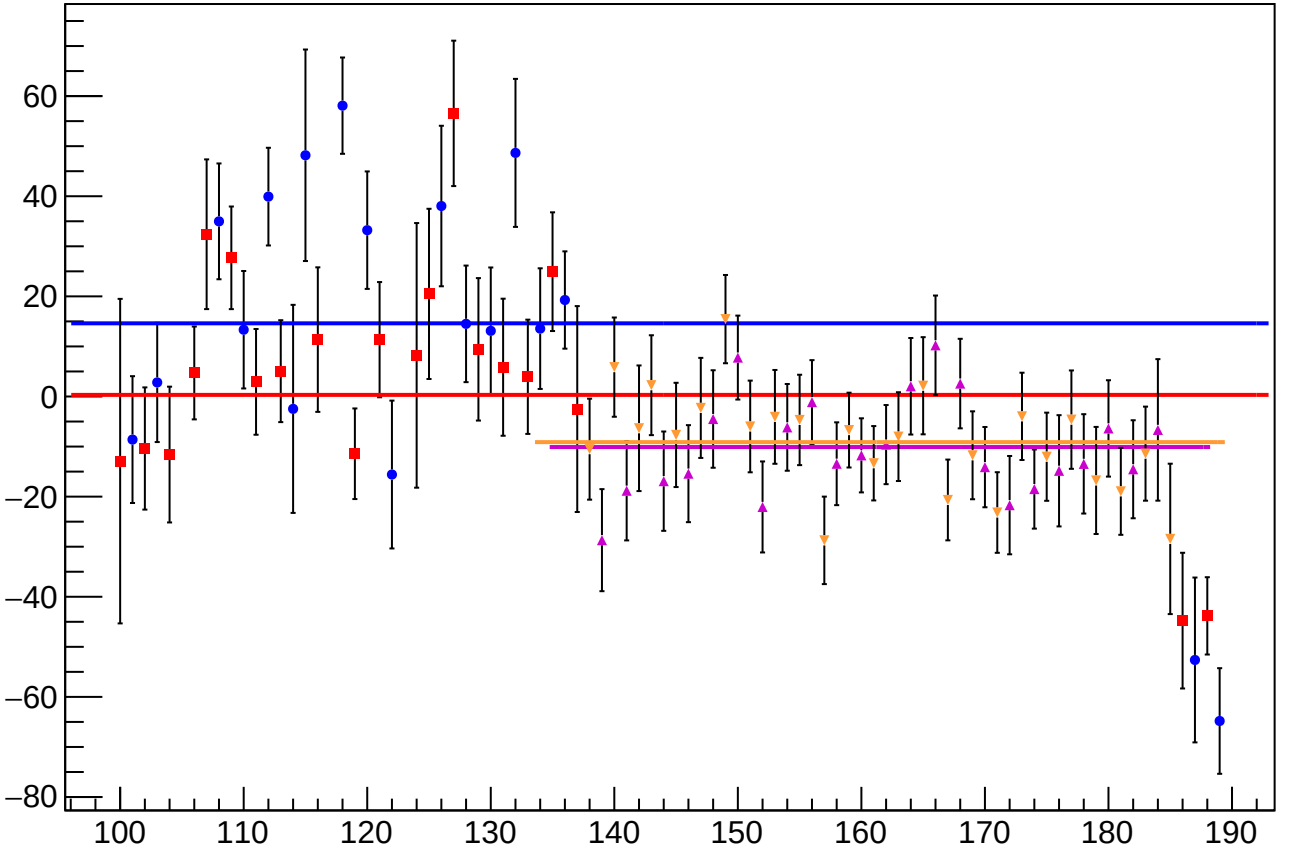
Right: 1213.302+/-0.210 χ^2/NDF: 241914.5/38

In: 1234.404+/-0.172 χ^2/NDF:993050.4/40

Out: 1210.276+/-0.163 χ^2/NDF:1147352.1/45

All: 1221.675+/-0.118 χ^2/NDF: 2150738.7/86

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 14.616+/-2.911 χ^2/NDF: 125.6/17

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 0.323+/-2.661 χ^2/NDF: 82.4/20

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

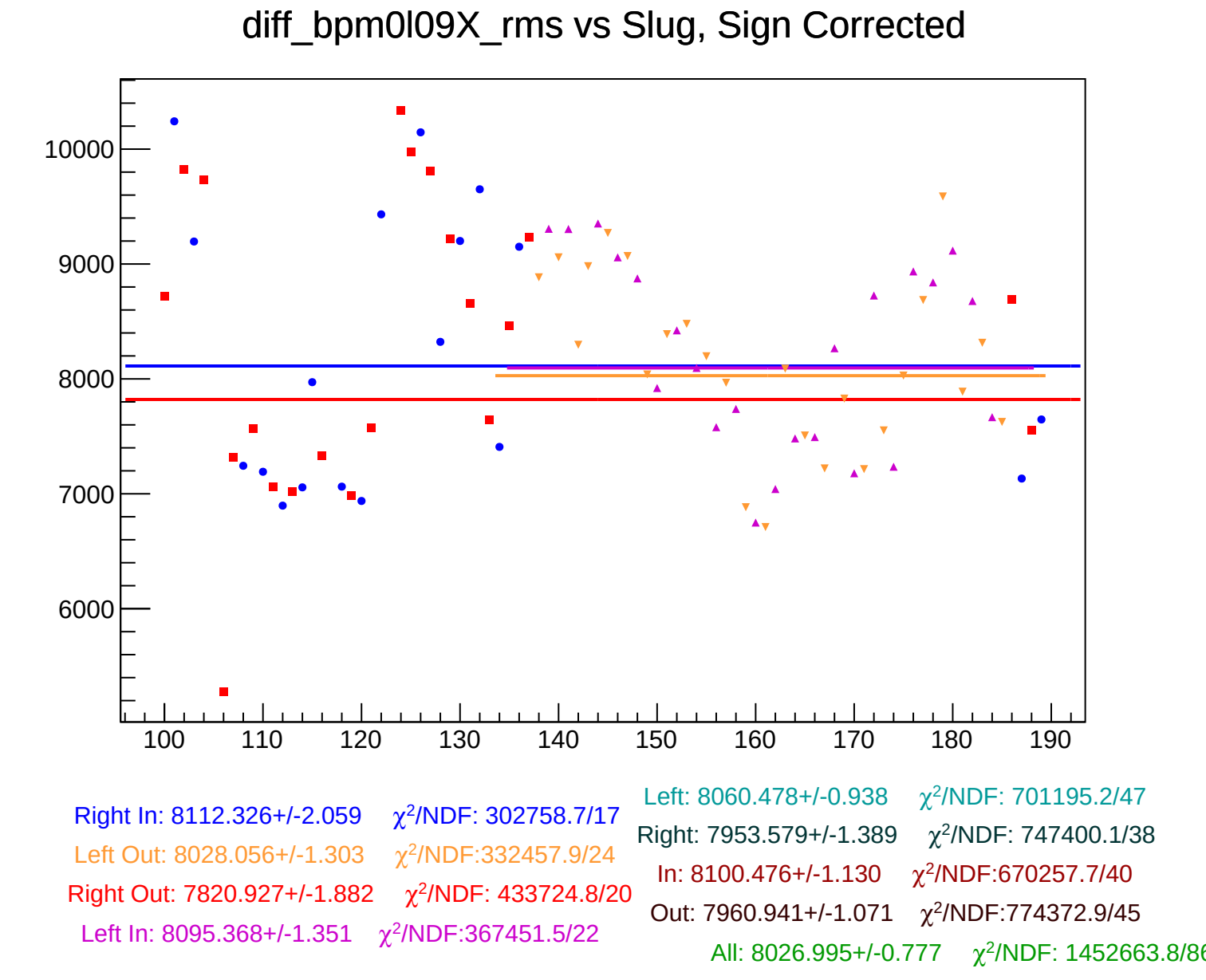
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: 6.830+/-1.964 χ^2/NDF: 221.1/38

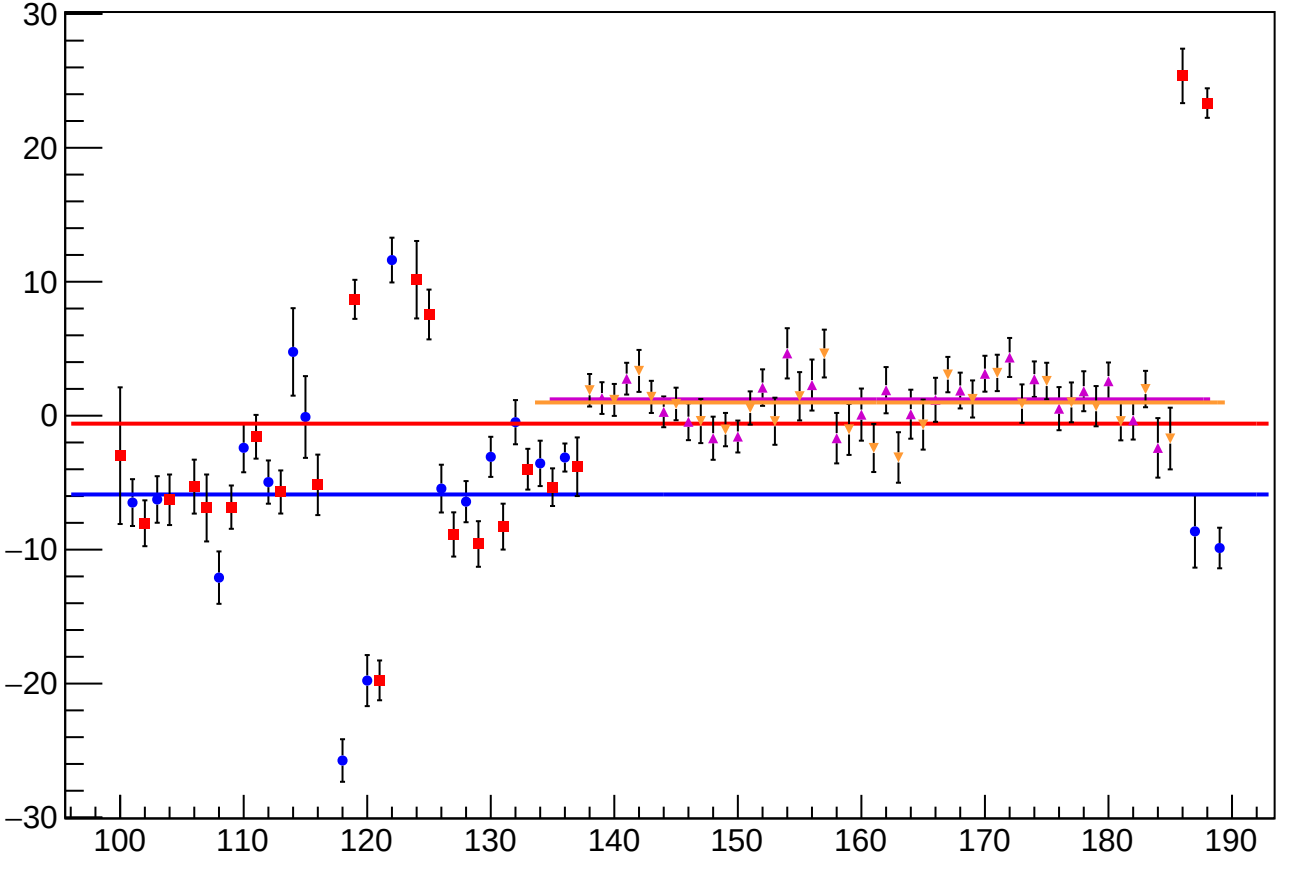
In: -2.652+/-1.598 χ^2/NDF:200.2/40

Out: -6.056+/-1.515 χ^2/NDF:119.6/45

All: -4.445+/-1.099 χ^2/NDF: 322.3/86


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8112.326+/-2.059 χ²/NDF: 302758.7/17
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 7820.927+/-1.882 χ²/NDF: 433724.8/20
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 7953.579+/-1.389 χ²/NDF: 747400.1/38
In: 8100.476+/-1.130 χ²/NDF:670257.7/40
Out: 7960.941+/-1.071 χ²/NDF:774372.9/45
All: 8026.995+/-0.777 χ²/NDF: 1452663.8/86

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.881+/-0.401 χ^2/NDF: 378.6/17

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -0.595+/-0.378 χ^2/NDF: 1035.1/20

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

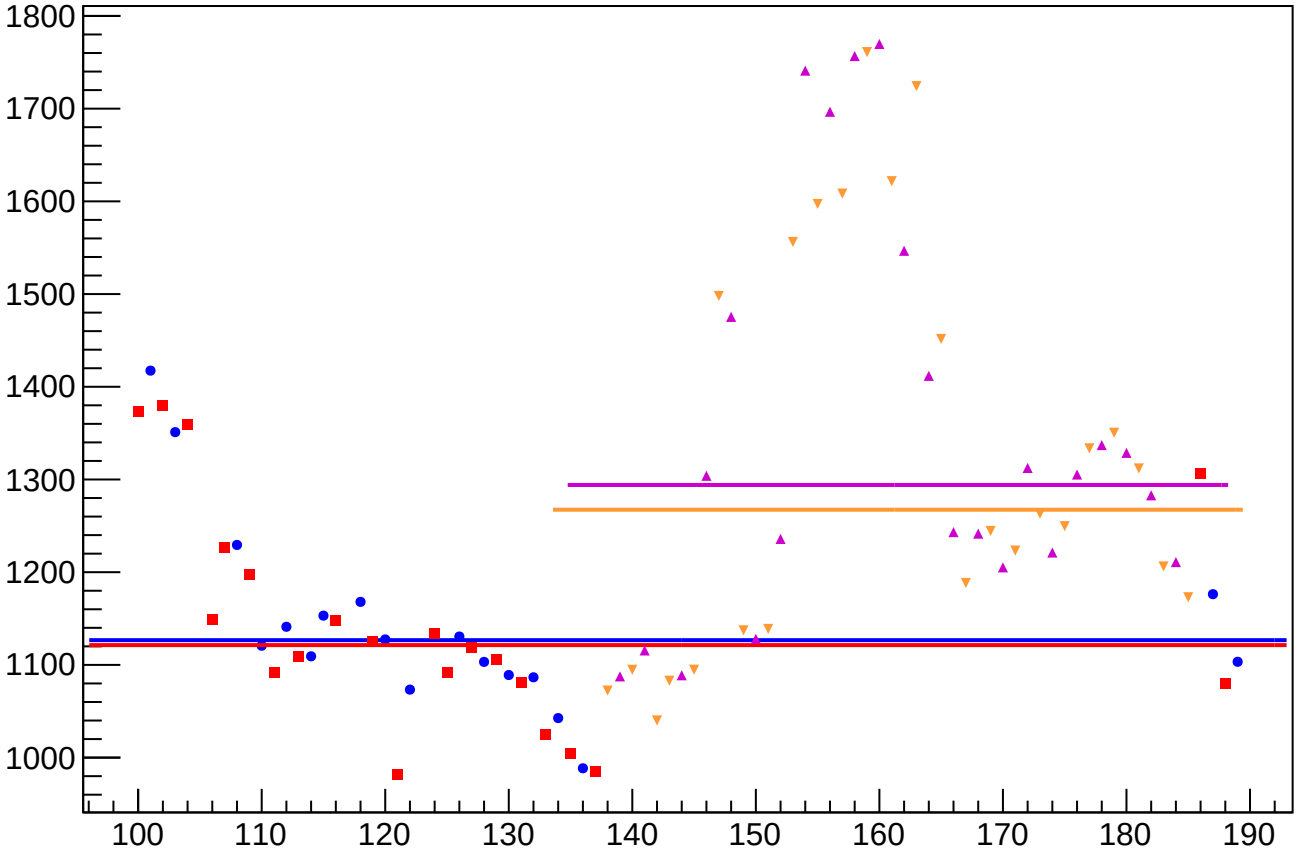
Right: -3.081+/-0.275 χ^2/NDF: 1505.7/38

In: -1.399+/-0.244 χ^2/NDF:609.6/40

Out: 0.396+/-0.231 χ^2/NDF:1077.1/45

All: -0.455+/-0.168 χ^2/NDF: 1715.2/86

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1126.688+/-0.284 χ^2/NDF: 141764.8/17

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1121.356+/-0.267 χ^2/NDF: 160186.2/20

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

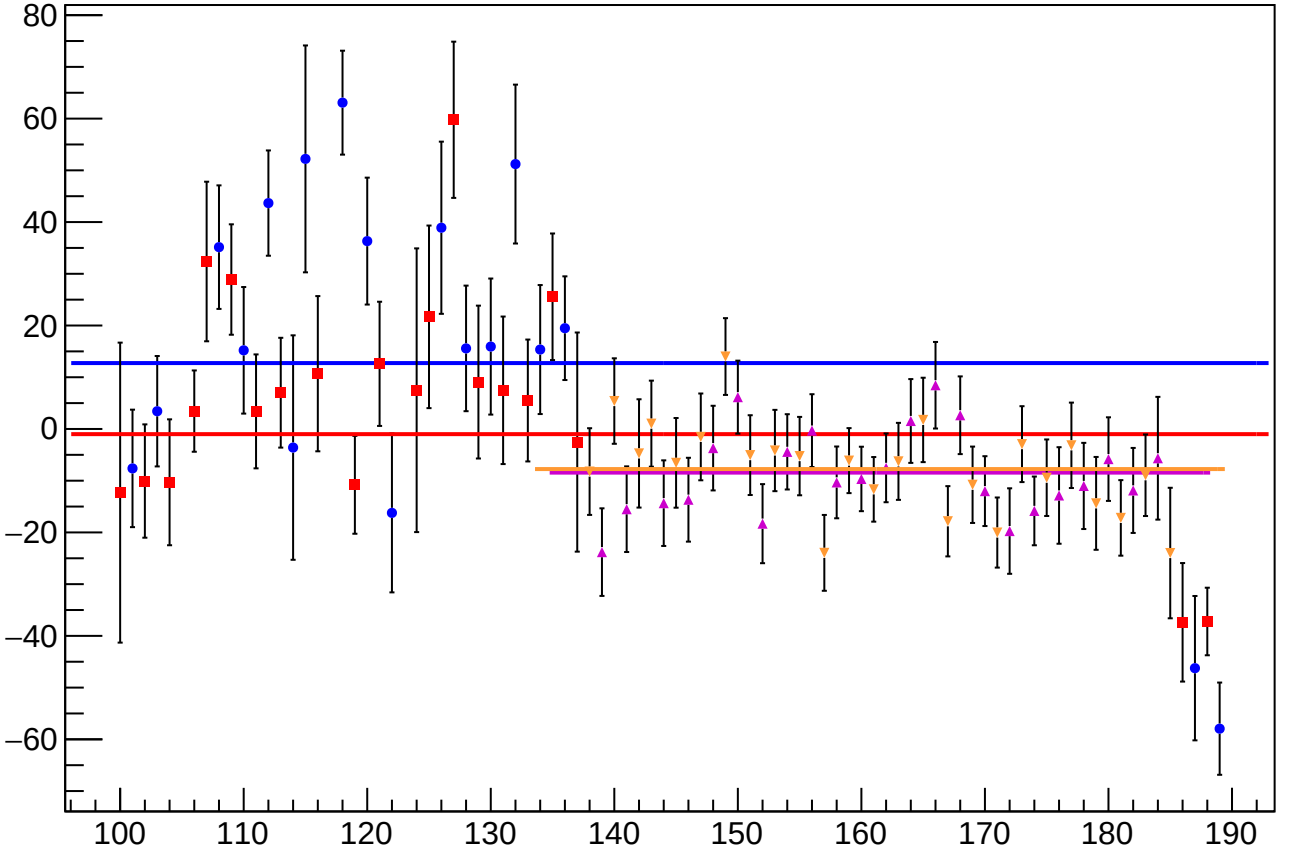
Right: 1123.864+/-0.194 χ^2/NDF: 302138.3/38

In: 1232.340+/-0.172 χ^2/NDF:1119862.2/40

Out: 1212.716+/-0.164 χ^2/NDF:1225515.6/45

All: 1222.019+/-0.119 χ^2/NDF: 2352206.2/86

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 12.740+/-2.894 χ^2/NDF: 143.0/17

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -1.000+/-2.576 χ^2/NDF: 82.6/20

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

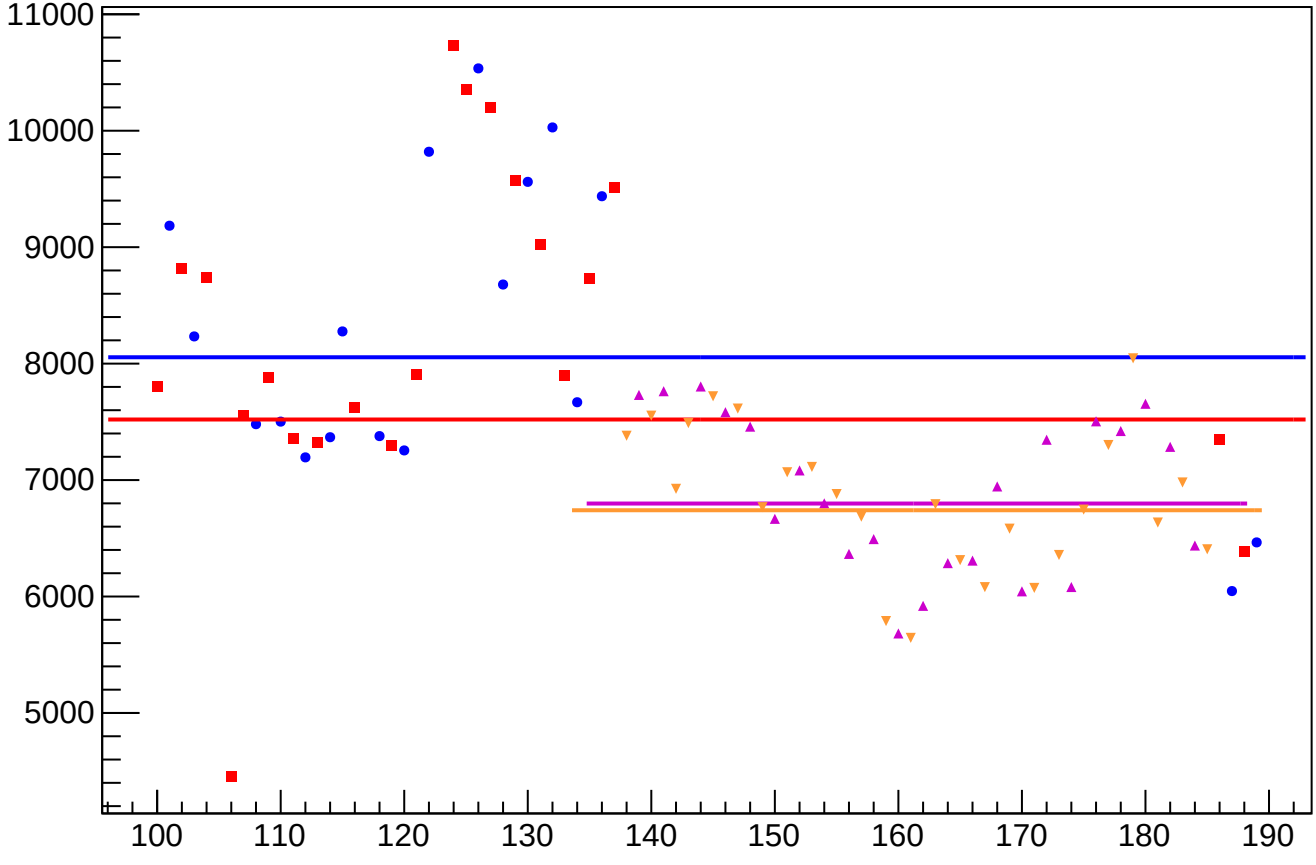
Right: 5.073+/-1.924 χ^2/NDF: 238.2/38

In: -3.458+/-1.403 χ^2/NDF:208.8/40

Out: -5.963+/-1.326 χ^2/NDF:118.0/45

All: -4.782+/-0.964 χ^2/NDF: 328.5/86

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8054.656+/-2.046 χ^2/NDF: 343474.6/17

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7520.126+/-1.821 χ^2/NDF: 661490.4/20

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

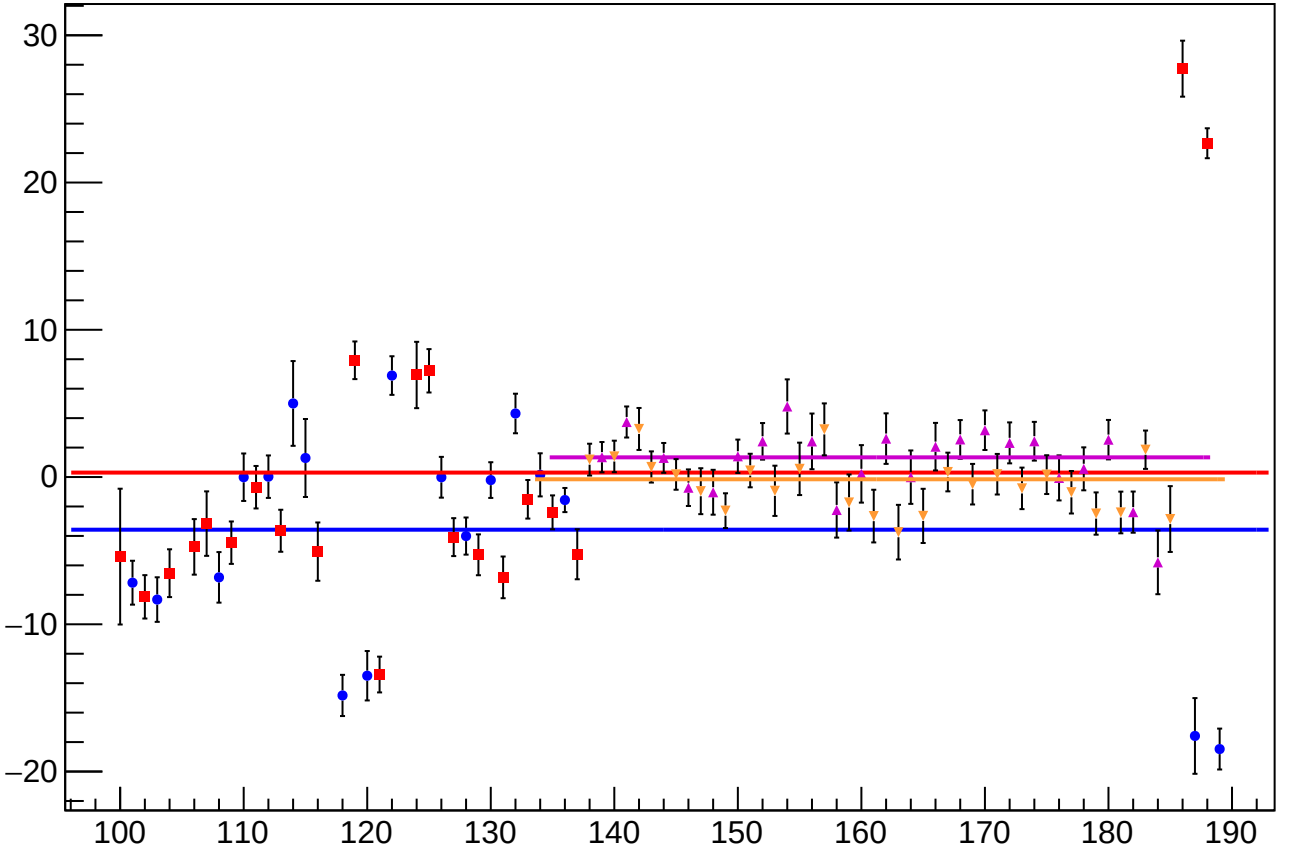
Right: 7756.393+/-1.361 χ^2/NDF: 1043033.2/38

In: 7093.875+/-0.992 χ^2/NDF:984922.7/40

Out: 6947.332+/-0.938 χ^2/NDF:1112748.2/45

All: 7016.450+/-0.682 χ^2/NDF: 2109192.9/86

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -3.577+/-0.337 χ^2/NDF: 412.2/17

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 0.302+/-0.323 χ^2/NDF: 1044.7/20

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

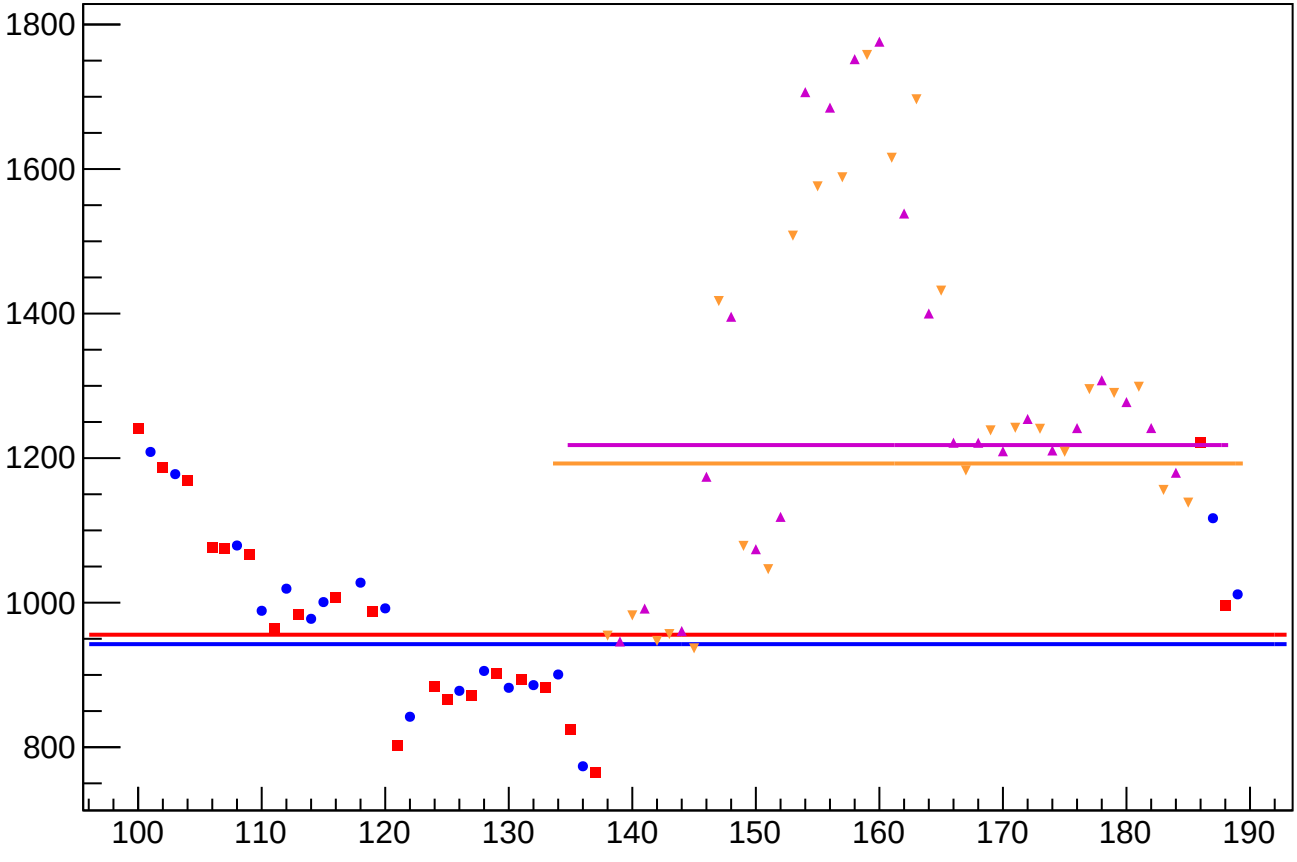
Right: -1.556+/-0.233 χ^2/NDF: 1526.0/38

In: -0.756+/-0.220 χ^2/NDF:578.4/40

Out: 0.040+/-0.210 χ^2/NDF:1081.9/45

All: -0.340+/-0.152 χ^2/NDF: 1667.1/86

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 942.601+/-0.238 χ^2/NDF: 269422.5/17

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 955.649+/-0.228 χ^2/NDF: 277947.2/20

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

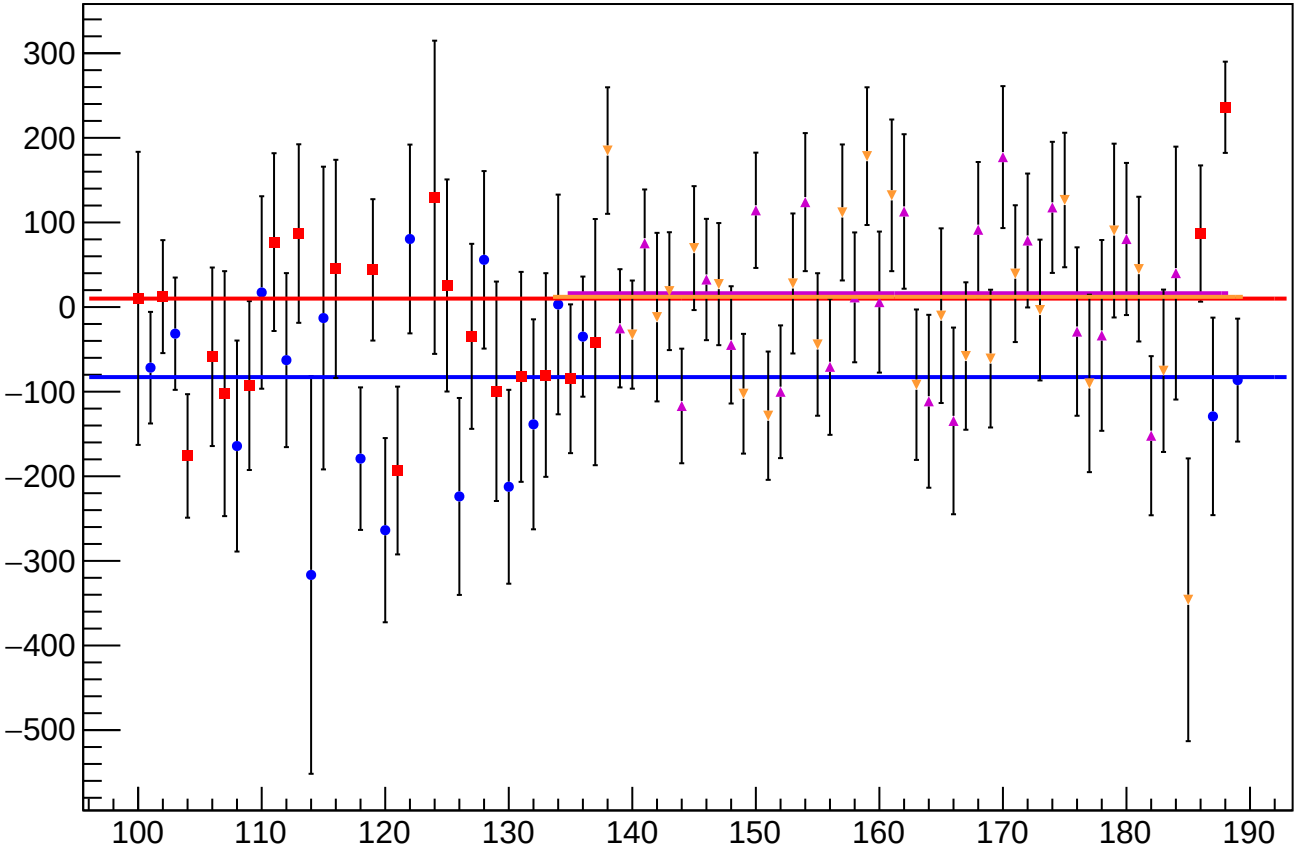
Right: 949.397+/-0.165 χ^2/NDF: 548932.6/38

In: 1100.737+/-0.155 χ^2/NDF:2165029.2/40

Out: 1092.334+/-0.149 χ^2/NDF:2218540.1/45

All: 1096.346+/-0.107 χ^2/NDF: 4385096.1/86

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -82.783+/-23.097 χ^2/NDF: 15.0/17

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 10.003+/-21.254 χ^2/NDF: 36.2/20

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

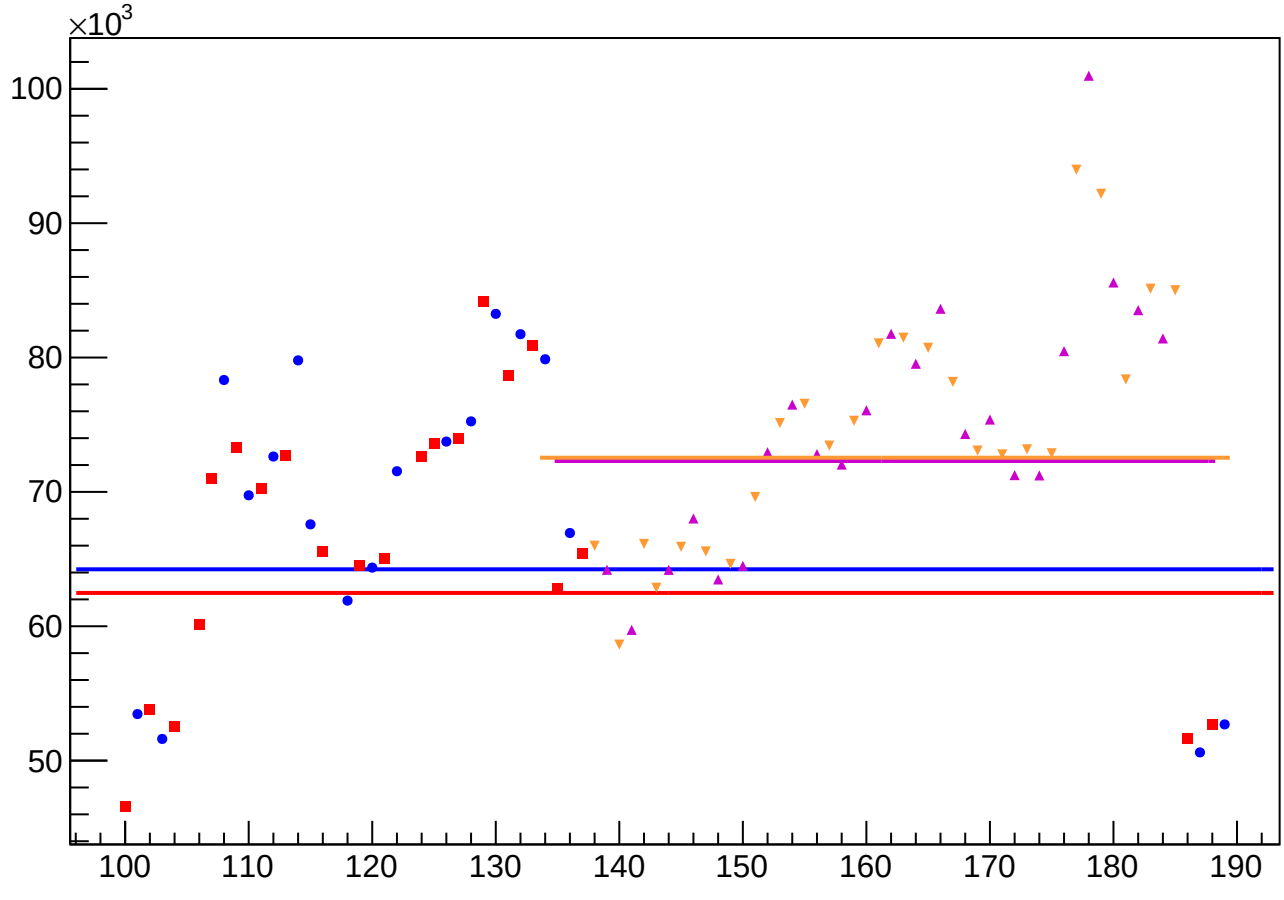
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: -32.542+/-15.640 χ^2/NDF: 59.9/38

In: -18.538+/-13.701 χ^2/NDF:55.6/40

Out: 11.293+/-13.086 χ^2/NDF:69.0/45

All: -2.939+/-9.463 χ^2/NDF: 127.1/86


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
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50
100
110
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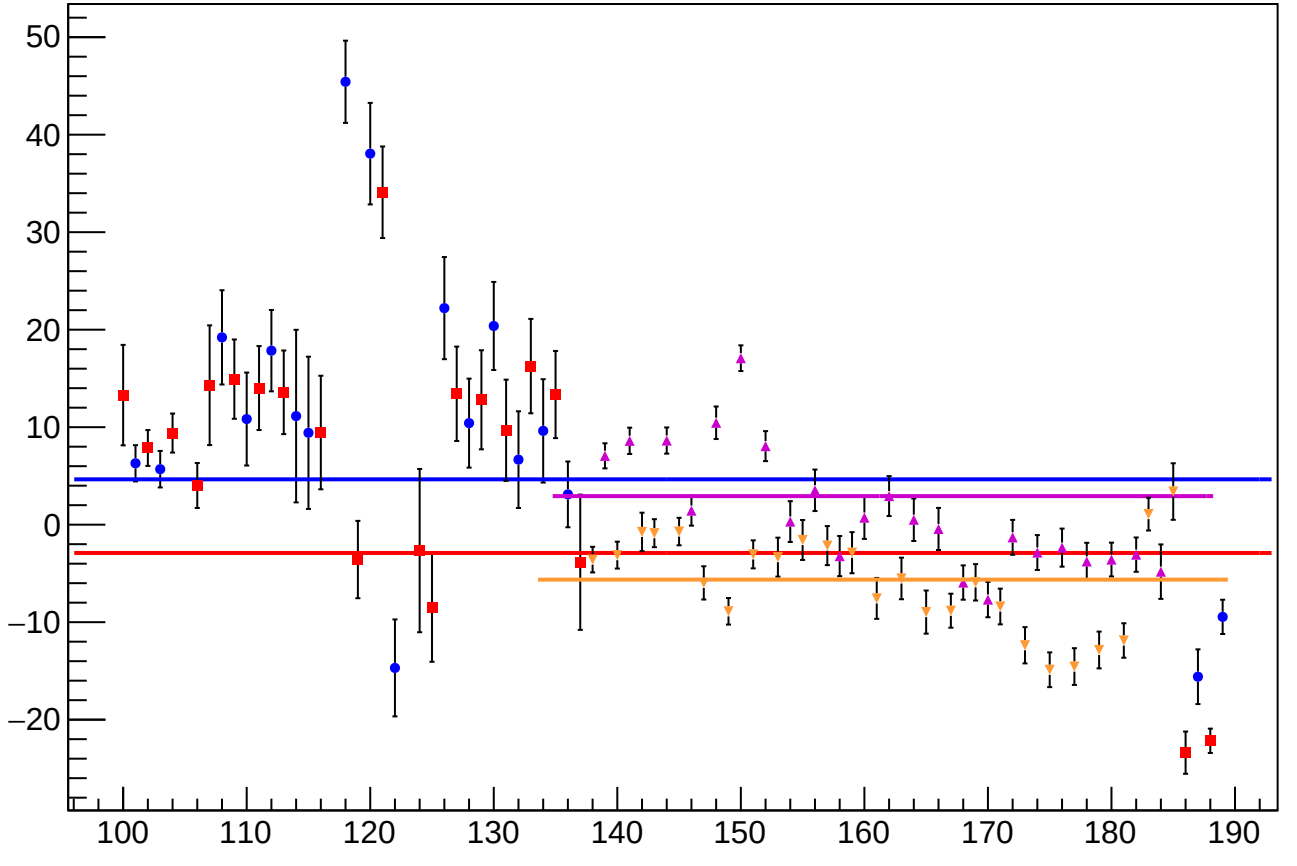
140
150
160
170
180
190
Right In: 64238.736+/-16.332 χ²/NDF: 428727.9/17
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 62479.184+/-15.029 χ²/NDF: 436445.5/20
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 63285.976+/-11.059 χ²/NDF: 871458.5/38
In: 69463.939+/-9.688 χ²/NDF:1075438.7/40
Out: 68728.534+/-9.254 χ²/NDF:1214998.0/45
All: 69079.388+/-6.691 χ²/NDF: 2293450.0/8

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 4.651+/-0.783 χ^2/NDF: 315.4/17

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -2.901+/-0.668 χ^2/NDF: 599.0/20

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

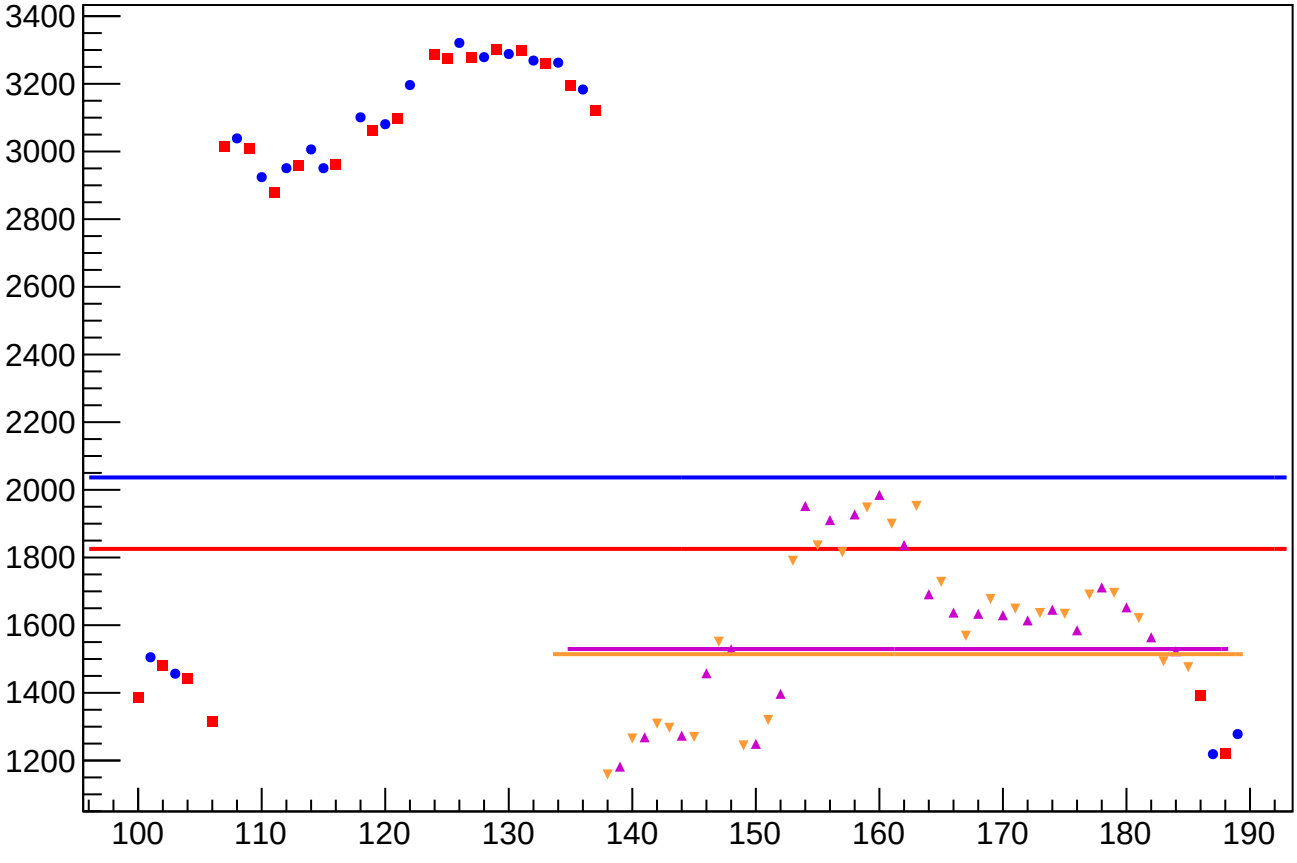
Right: 0.283+/-0.508 χ^2/NDF: 968.2/38

In: 3.232+/-0.329 χ^2/NDF:656.7/40

Out: -5.050+/-0.309 χ^2/NDF:790.3/45

All: -1.160+/-0.225 χ^2/NDF: 1783.6/86

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2036.615+/-0.554 χ^2/NDF: 2401705.6/17

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1825.435+/-0.473 χ^2/NDF: 2864456.2/20

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

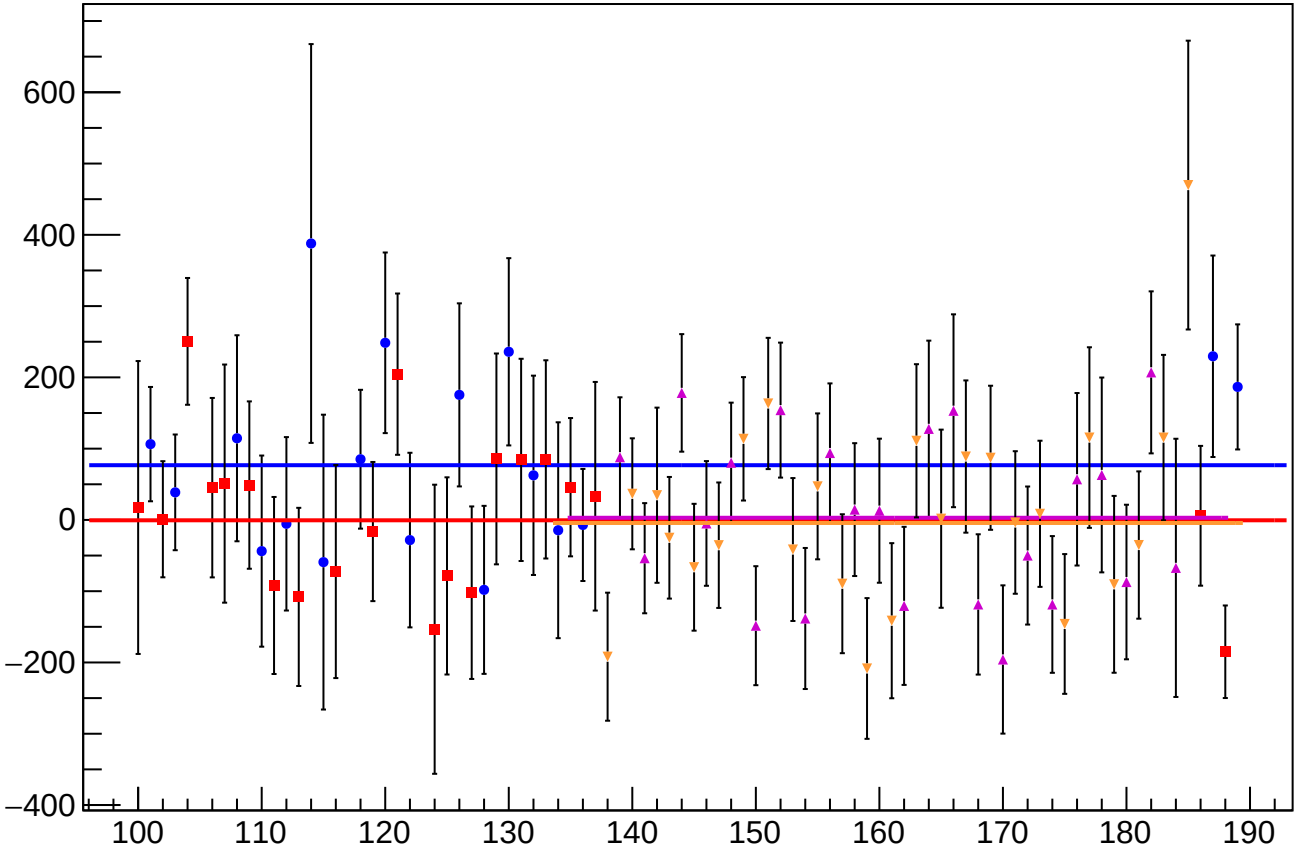
Right: 1914.467+/-0.359 χ^2/NDF: 5350320.0/38

In: 1619.036+/-0.232 χ^2/NDF:3920880.7/40

Out: 1580.982+/-0.219 χ^2/NDF:4138187.0/45

All: 1598.854+/-0.159 χ^2/NDF: 8073276.4/86

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 76.772+/-26.960 χ^2/NDF: 14.4/17

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -0.523+/-24.944 χ^2/NDF: 24.2/20

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

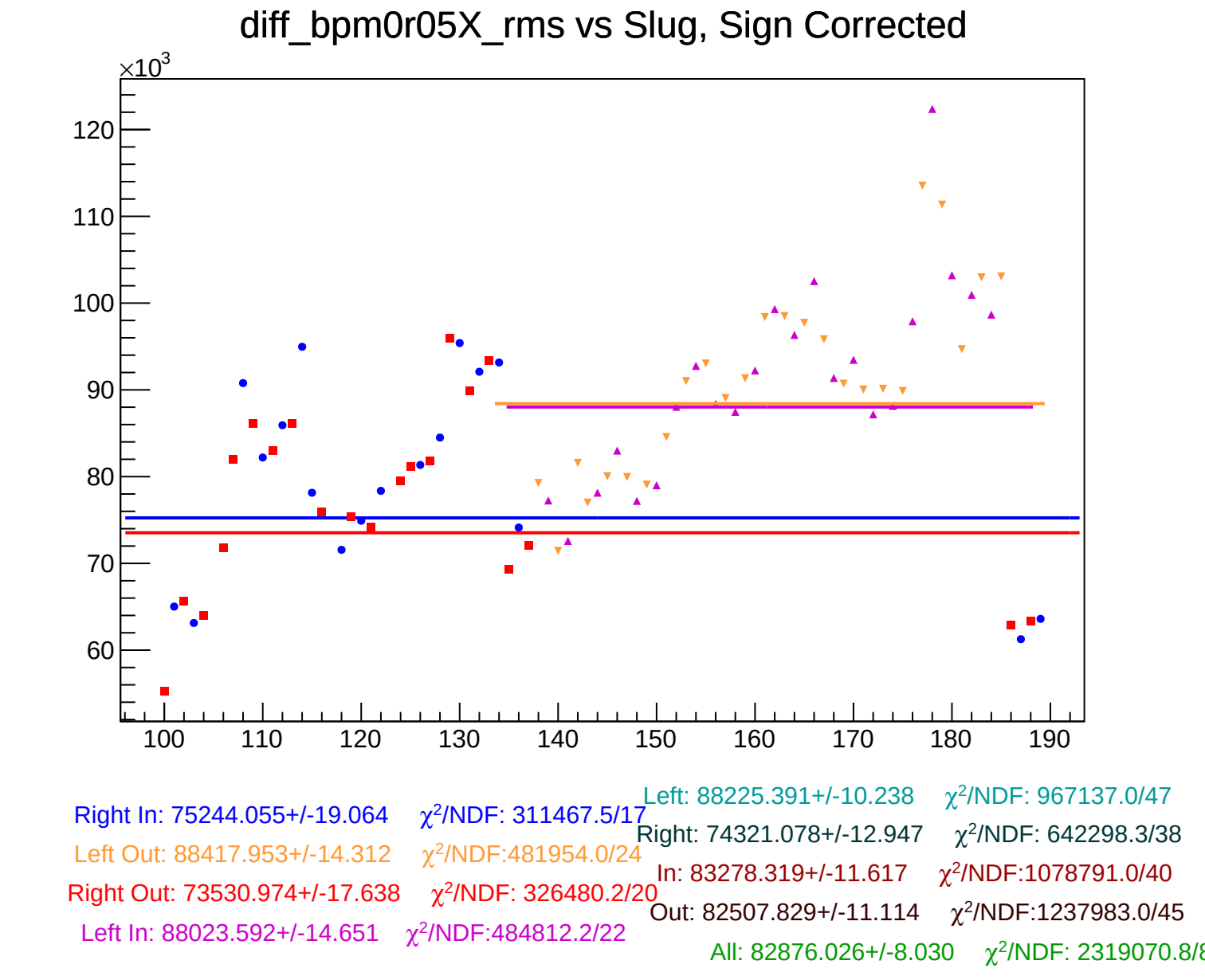
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 35.127+/-18.310 χ^2/NDF: 43.1/38

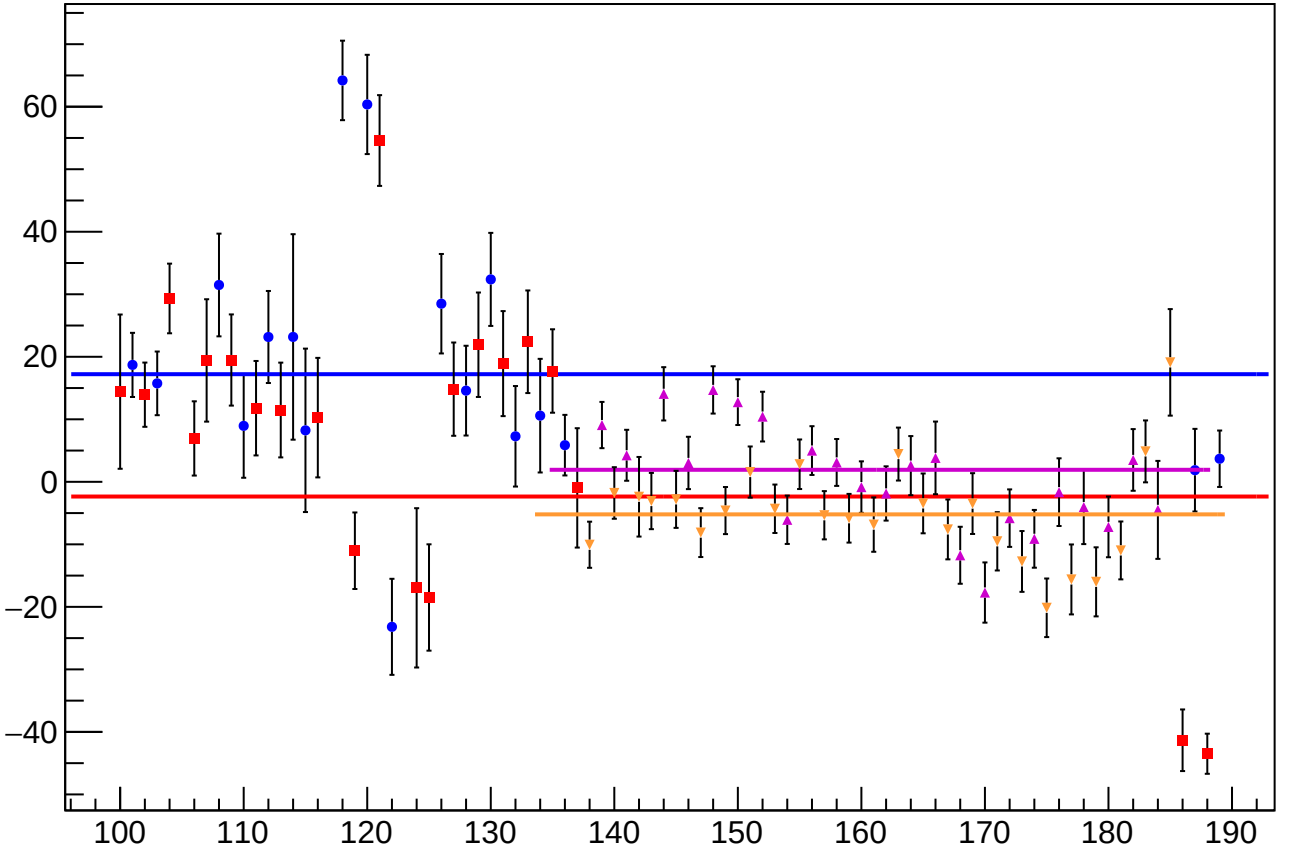
In: 30.403+/-16.429 χ^2/NDF:49.9/40

Out: -2.785+/-15.717 χ^2/NDF:54.7/45

All: 13.075+/-11.357 χ^2/NDF: 106.7/86


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
190
Right In: 75244.055+/-19.064 χ²/NDF: 311467.5/17
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 73530.974+/-17.638 χ²/NDF: 326480.2/20
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 74321.078+/-12.947 χ²/NDF: 642298.3/38
In: 83278.319+/-11.617 χ²/NDF:1078791.0/40
Out: 82507.829+/-11.114 χ²/NDF:1237983.0/45
All: 82876.026+/-8.030 χ²/NDF: 2319070.8/8

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 17.216+/-1.608 χ^2/NDF: 145.5/17

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -2.352+/-1.445 χ^2/NDF: 403.1/20

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

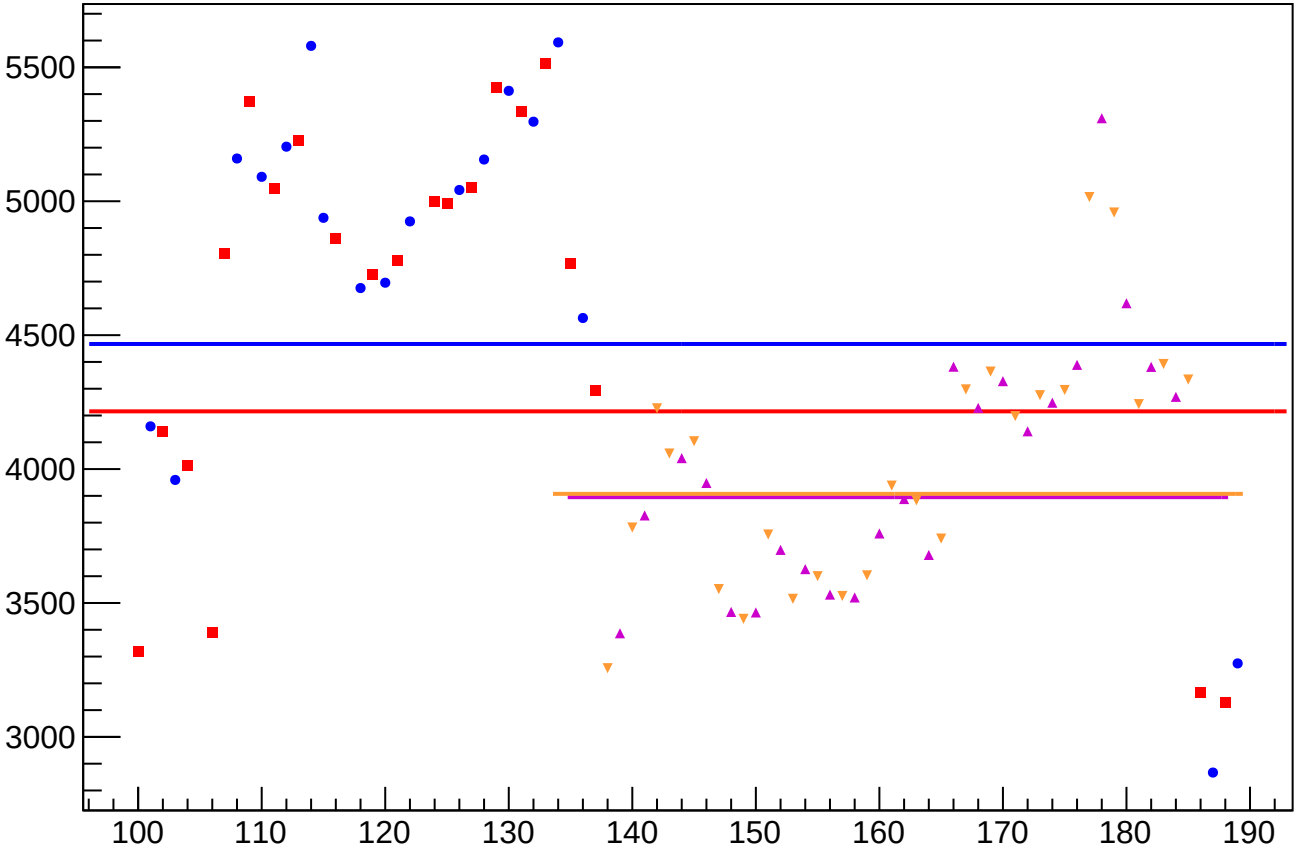
Right: 6.392+/-1.075 χ^2/NDF: 630.5/38

In: 5.673+/-0.796 χ^2/NDF:297.0/40

Out: -4.416+/-0.760 χ^2/NDF:456.9/45

All: 0.396+/-0.550 χ^2/NDF: 837.9/86

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4467.061+/-1.137 χ^2/NDF: 466197.3/17

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4215.491+/-1.022 χ^2/NDF: 716312.6/20

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

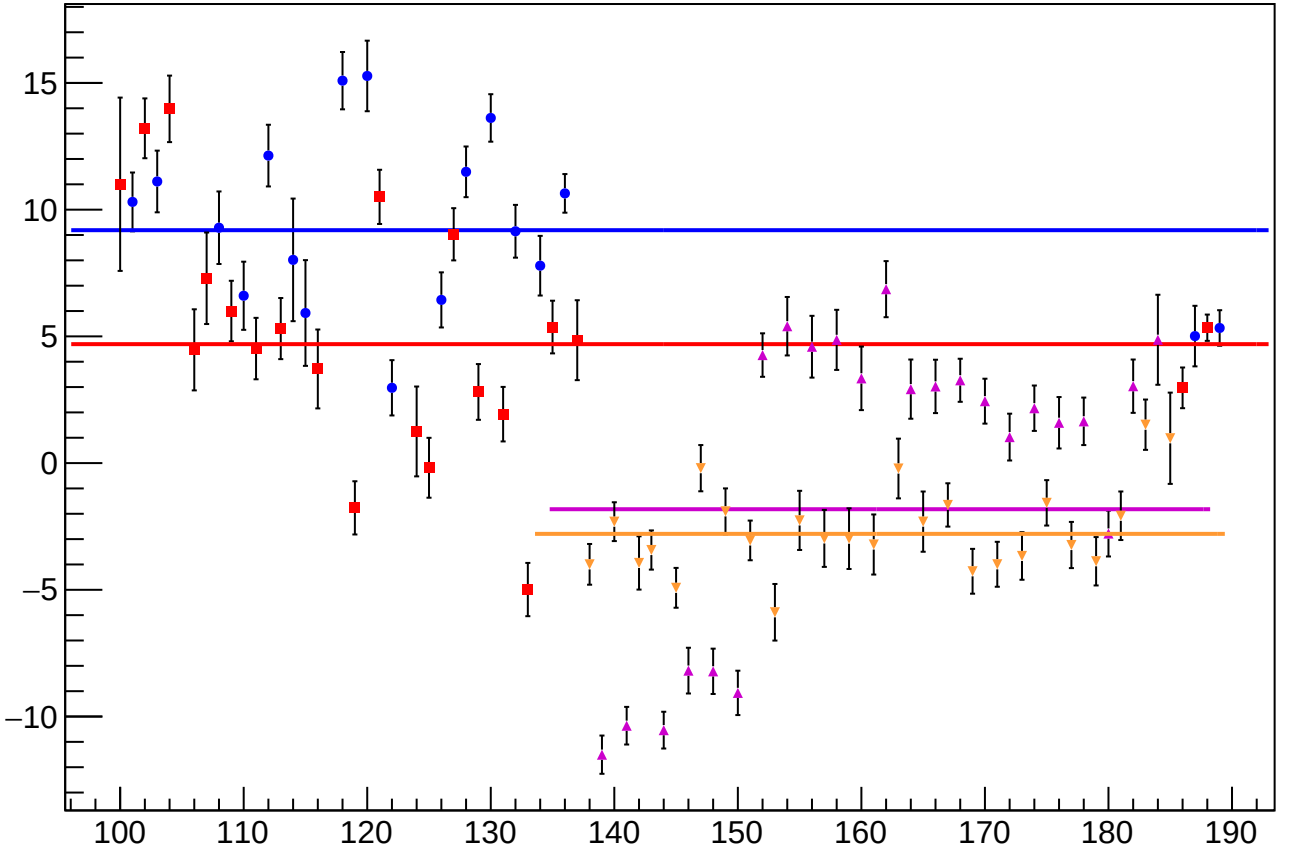
Right: 4327.911+/-0.760 χ^2/NDF: 1209599.3/38

In: 4035.348+/-0.563 χ^2/NDF:1067190.4/40

Out: 3992.710+/-0.538 χ^2/NDF:1223244.5/45

All: 4013.046+/-0.389 χ^2/NDF: 2293436.0/86

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 9.190+/-0.260 χ^2/NDF: 176.1/17

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 4.693+/-0.239 χ^2/NDF: 316.4/20

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

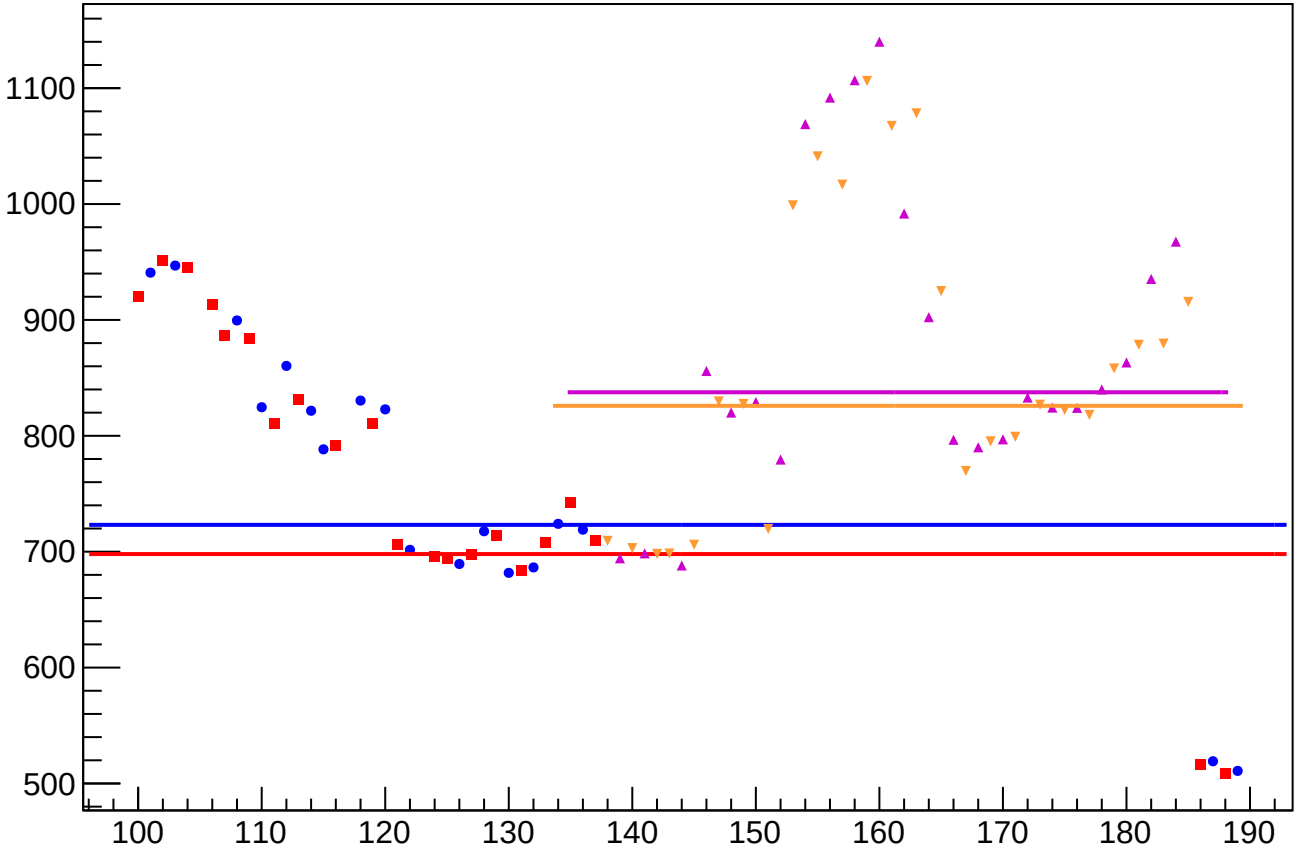
Right: 6.750+/-0.176 χ^2/NDF: 654.5/38

In: 2.220+/-0.158 χ^2/NDF:2334.8/40

Out: 0.108+/-0.149 χ^2/NDF:985.9/45

All: 1.103+/-0.108 χ^2/NDF: 3415.6/86

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 723.170+/-0.184 χ^2/NDF: 489592.6/17

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 697.961+/-0.169 χ^2/NDF: 723553.4/20

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

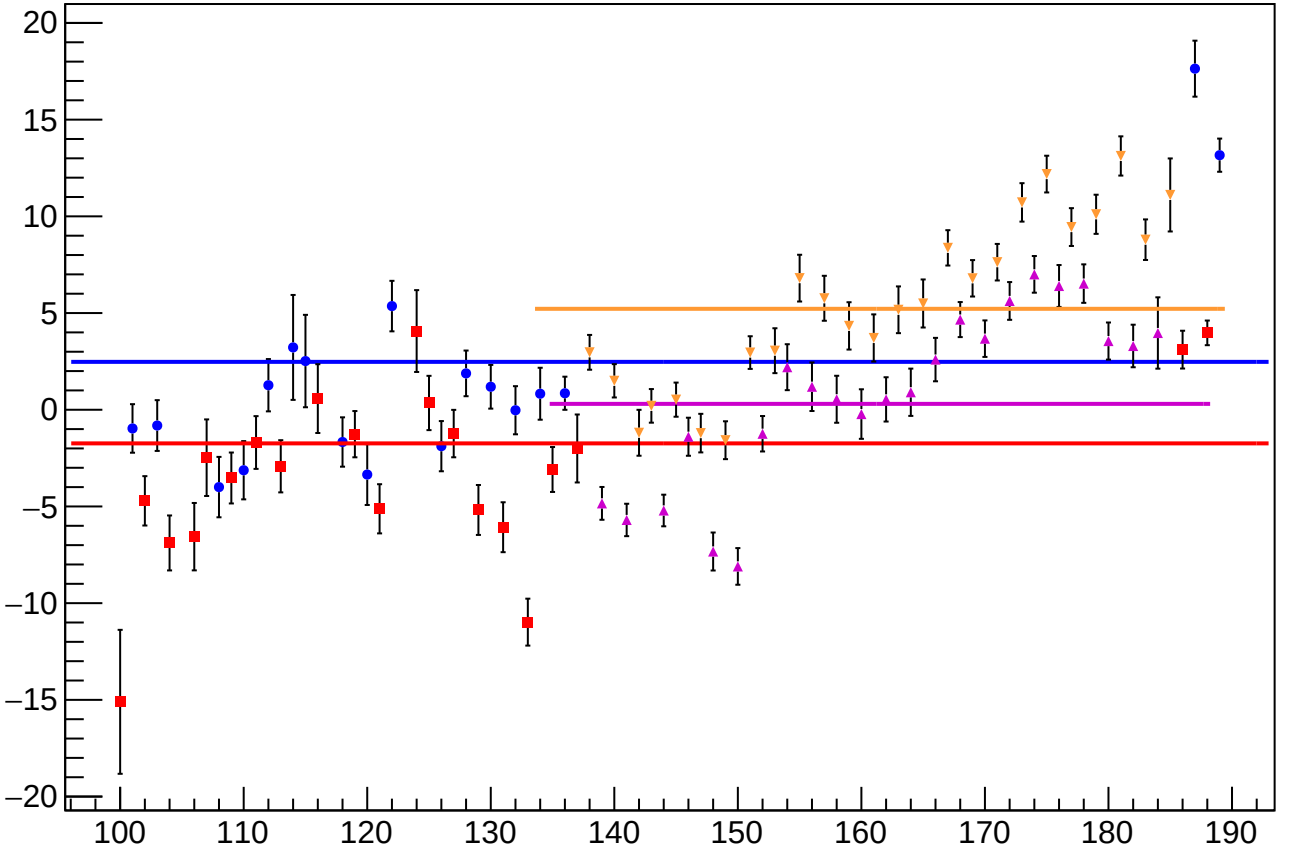
Right: 709.490+/-0.124 χ^2/NDF: 1223325.9/38

In: 795.591+/-0.111 χ^2/NDF:1448321.3/40

Out: 776.312+/-0.105 χ^2/NDF:1839654.0/45

All: 785.391+/-0.077 χ^2/NDF: 3303795.6/86

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 2.476+/-0.301 χ^2/NDF: 361.7/17

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.739+/-0.278 χ^2/NDF: 243.5/20

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

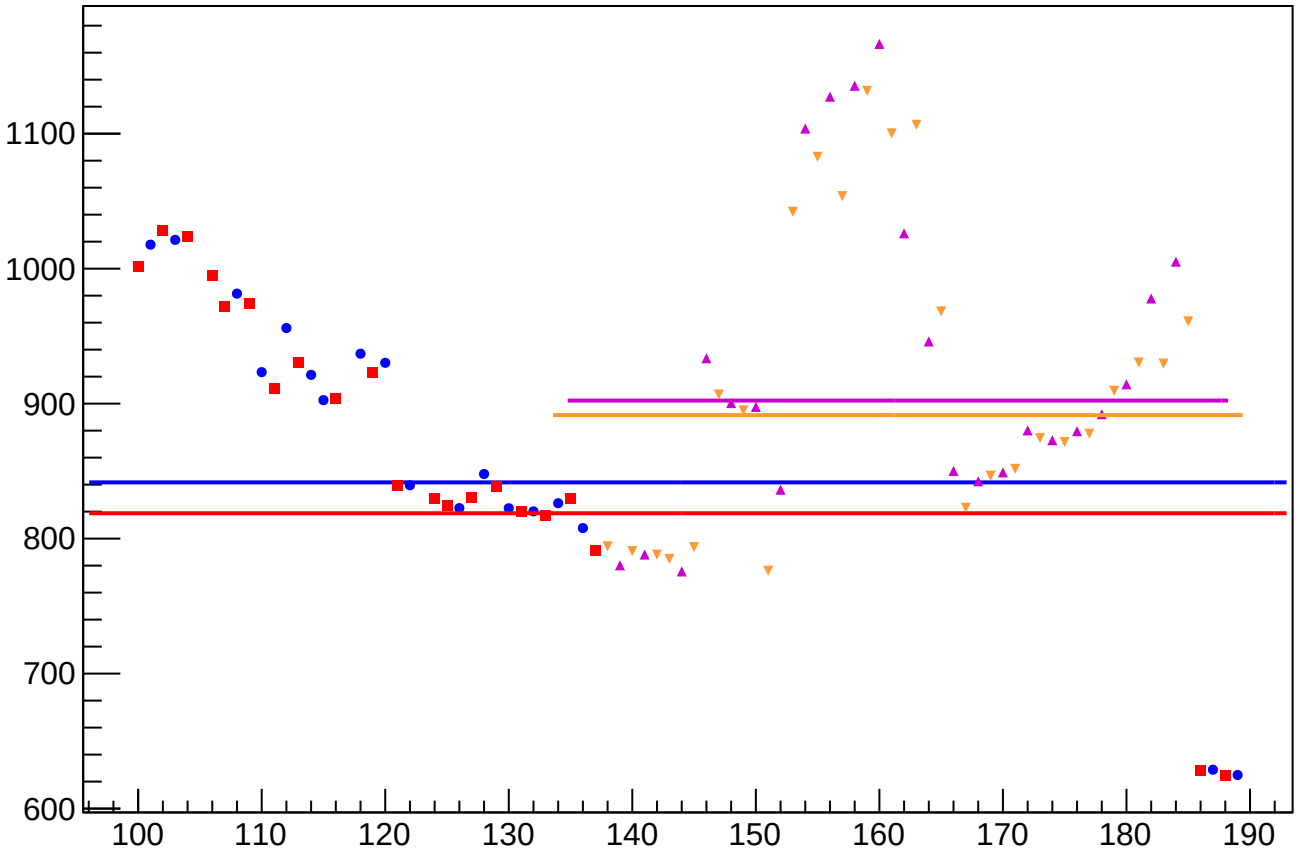
Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

Right: 0.202+/-0.204 χ^2/NDF: 710.8/38

In: 1.027+/-0.174 χ^2/NDF:891.6/40

Out: 2.781+/-0.165 χ^2/NDF:1099.6/45

All: 1.951+/-0.120 χ^2/NDF: 2044.9/86



Right In: 841.666+/-0.213 χ^2/NDF: 309560.9/17

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 818.800+/-0.197 χ^2/NDF: 466838.4/20

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

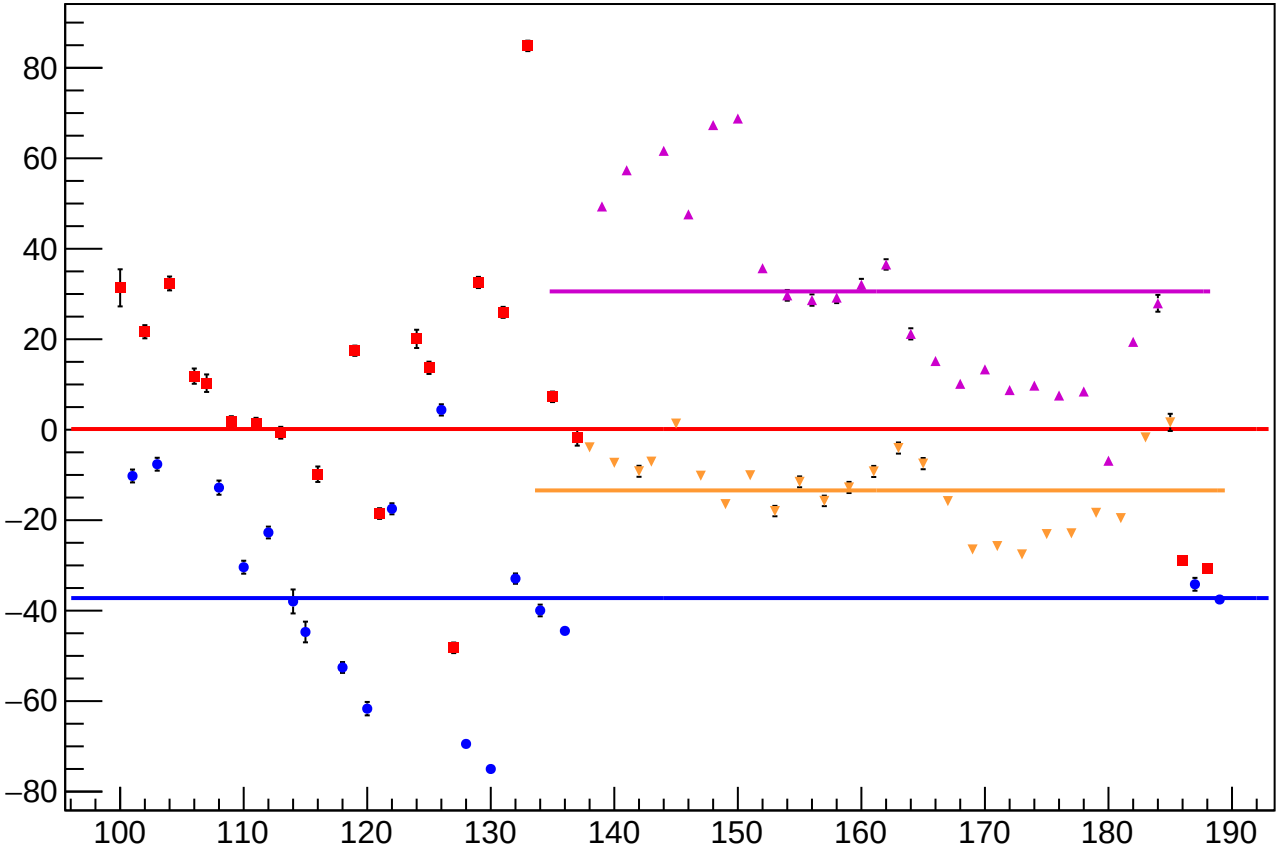
Right: 829.330+/-0.145 χ^2/NDF: 782618.1/38

In: 882.122+/-0.123 χ^2/NDF:848563.3/40

Out: 866.020+/-0.116 χ^2/NDF:1073291.3/45

All: 873.643+/-0.085 χ^2/NDF: 1930902.9/86

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.222+/-0.293 χ^2/NDF: 5189.6/17

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 0.152+/-0.271 χ^2/NDF: 13252.0/20

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

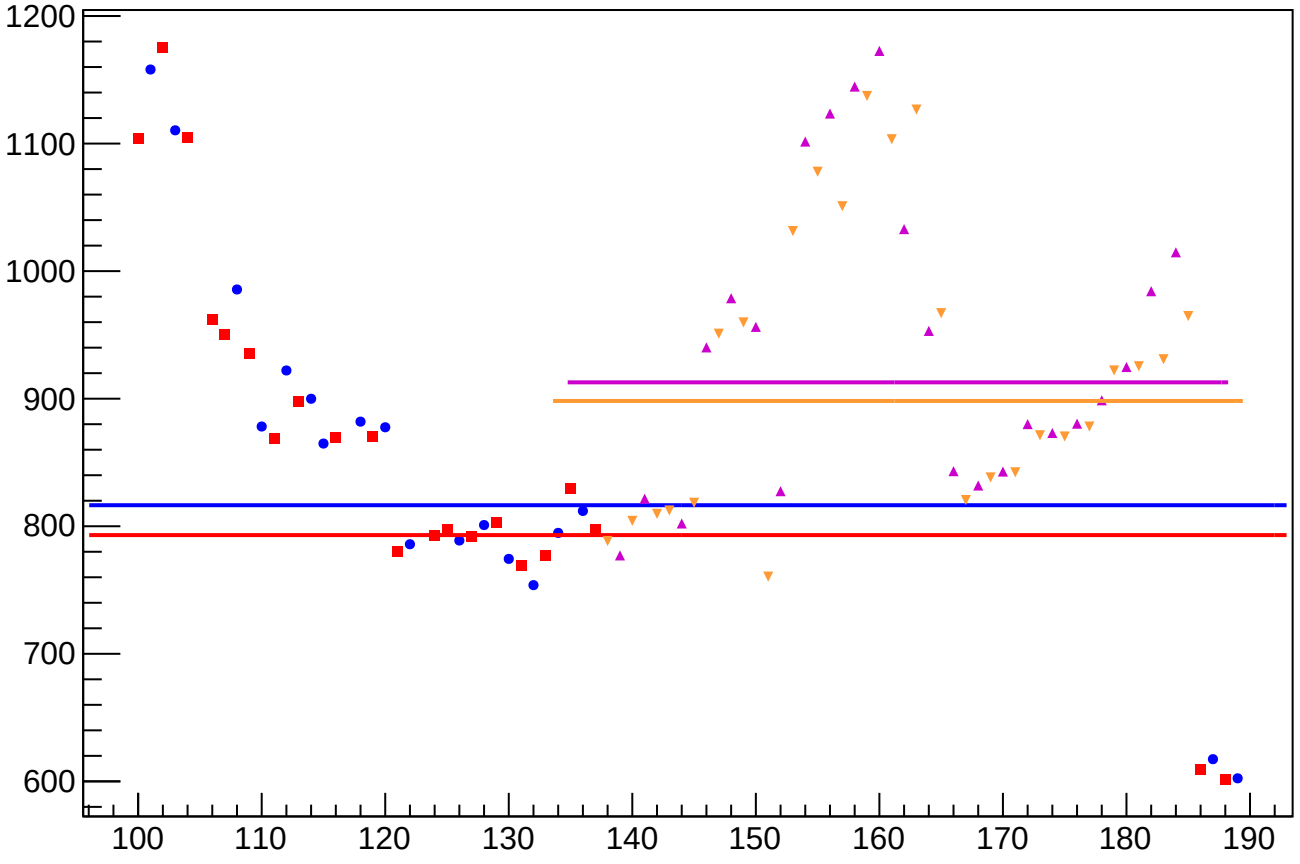
Right: -17.022+/-0.199 χ^2/NDF: 27213.0/38

In: 6.858+/-0.174 χ^2/NDF:50296.9/40

Out: -8.440+/-0.164 χ^2/NDF:16508.9/45

All: -1.228+/-0.119 χ^2/NDF: 70914.9/86

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 816.496+/-0.207 χ^2/NDF: 437208.2/17

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 793.067+/-0.191 χ^2/NDF: 596923.7/20

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

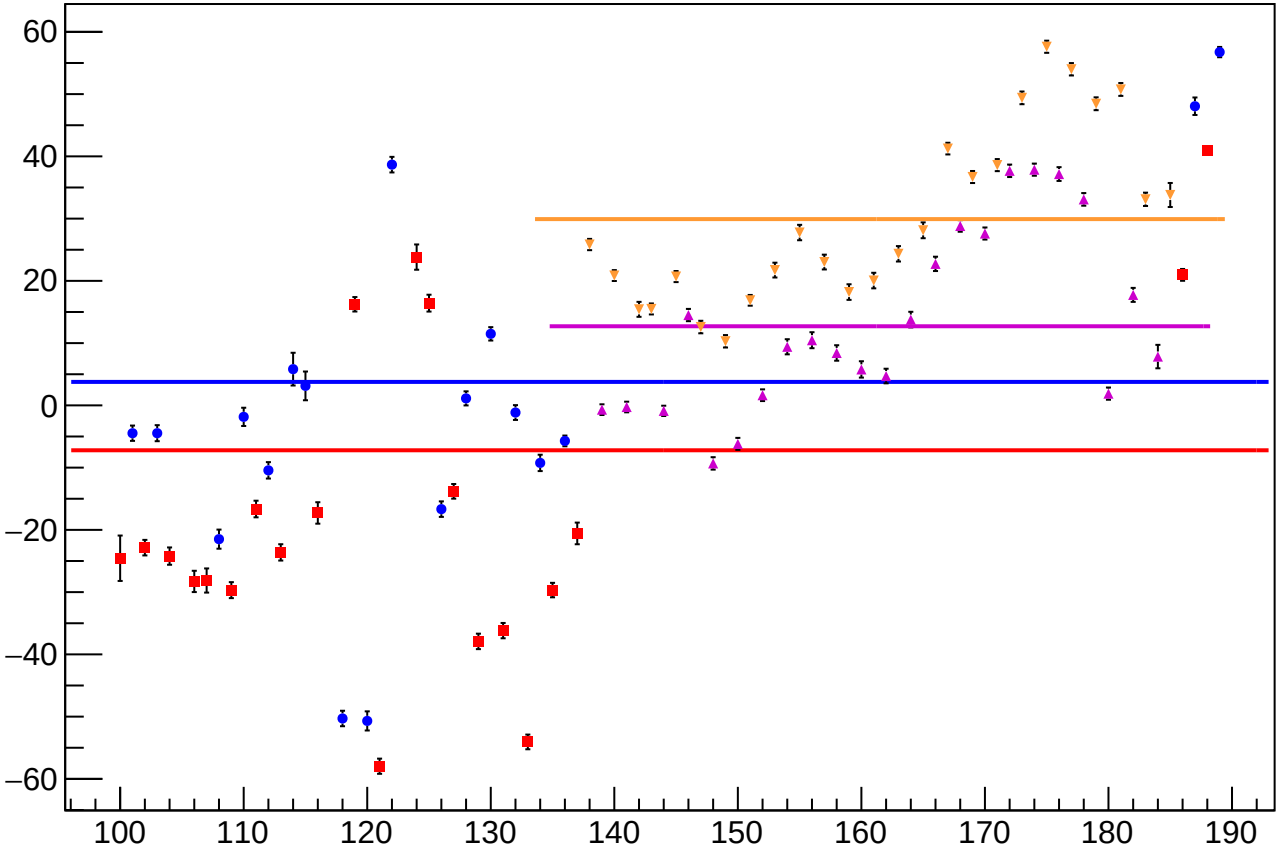
Right: 803.833+/-0.141 χ^2/NDF: 1041026.2/38

In: 879.125+/-0.123 χ^2/NDF:1057409.2/40

Out: 859.638+/-0.116 χ^2/NDF:1306636.4/45

All: 868.825+/-0.084 χ^2/NDF: 2377380.8/86

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 3.770+/-0.293 χ^2/NDF: 10067.9/17

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -7.215+/-0.270 χ^2/NDF: 14072.1/20

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

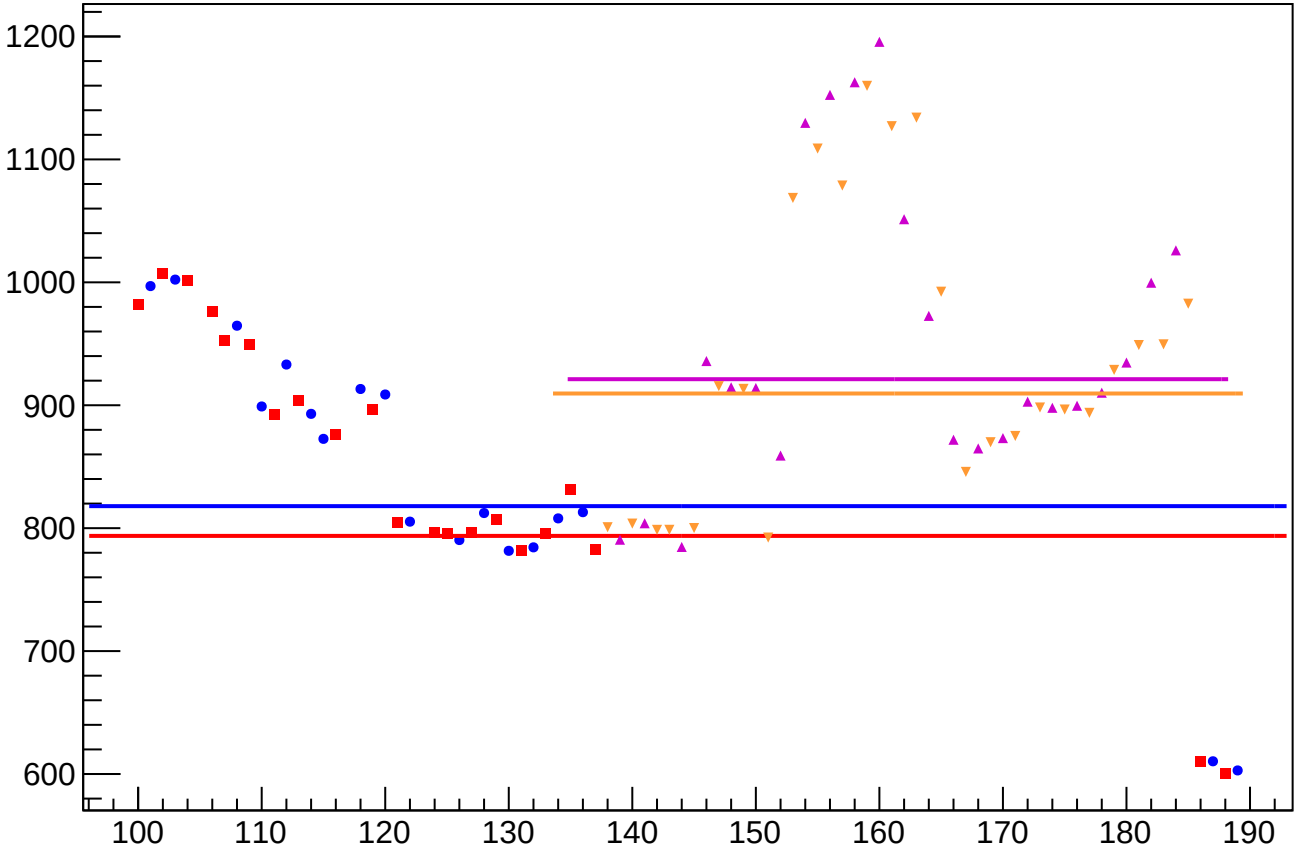
Right: -2.169+/-0.198 χ^2/NDF: 24900.7/38

In: 9.537+/-0.174 χ^2/NDF:15460.2/40

Out: 16.039+/-0.165 χ^2/NDF:30505.9/45

All: 12.968+/-0.120 χ^2/NDF: 46699.2/86

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 817.919+/-0.207 χ^2/NDF: 328512.2/17

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 793.712+/-0.191 χ^2/NDF: 495566.6/20

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

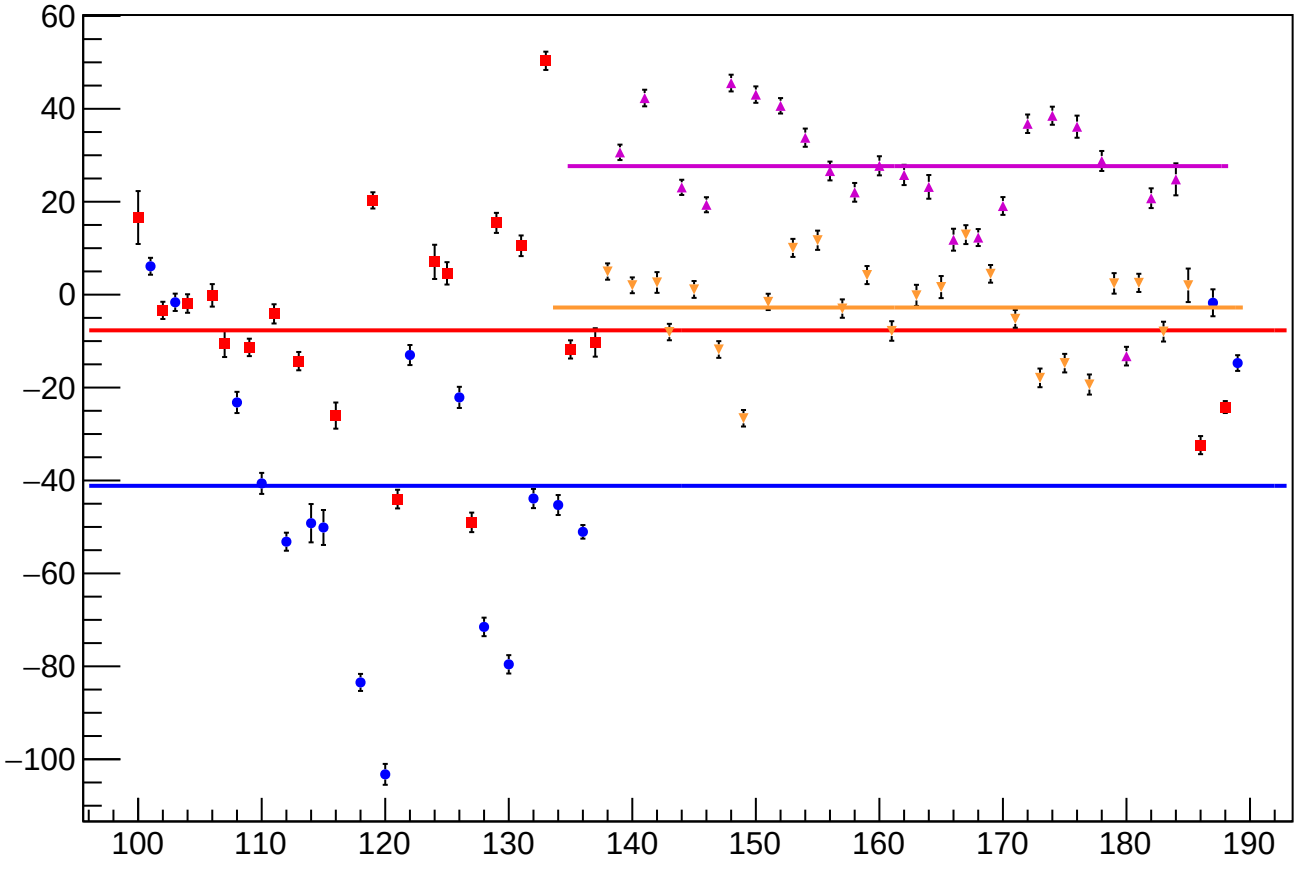
Right: 804.831+/-0.140 χ^2/NDF: 831467.5/38

In: 884.562+/-0.123 χ^2/NDF:986366.8/40

Out: 866.246+/-0.117 χ^2/NDF:1267941.1/45

All: 874.898+/-0.085 χ^2/NDF: 2265945.2/86

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -41.148+/-0.490 χ^2/NDF: 3857.9/17

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -7.683+/-0.460 χ^2/NDF: 2497.5/20

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

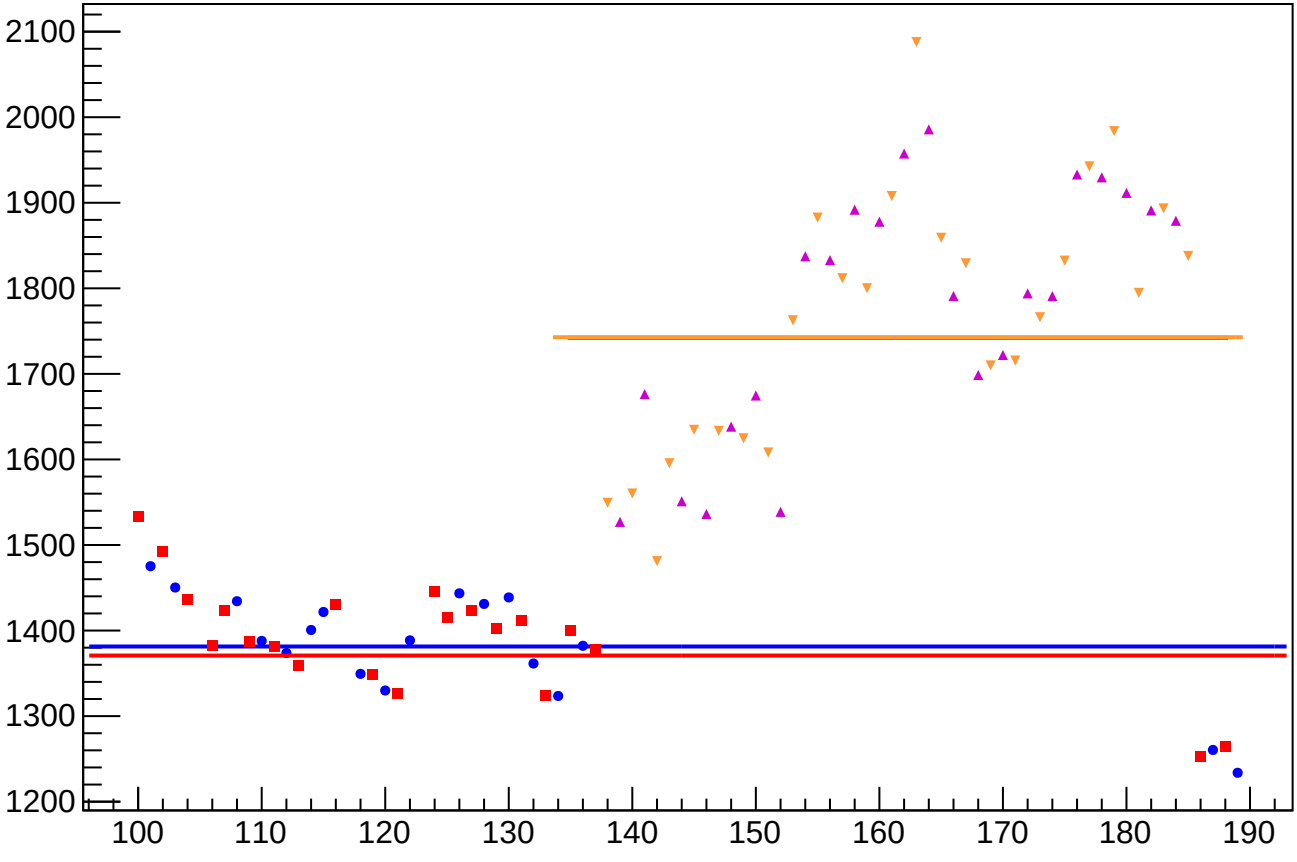
Right: -23.369+/-0.335 χ^2/NDF: 8834.8/38

In: -0.580+/-0.314 χ^2/NDF:16480.9/40

Out: -4.868+/-0.301 χ^2/NDF:3179.0/45

All: -2.815+/-0.217 χ^2/NDF: 19757.2/86

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1381.373+/-0.346 χ^2/NDF: 35859.6/17

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1370.786+/-0.325 χ^2/NDF: 42079.1/20

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

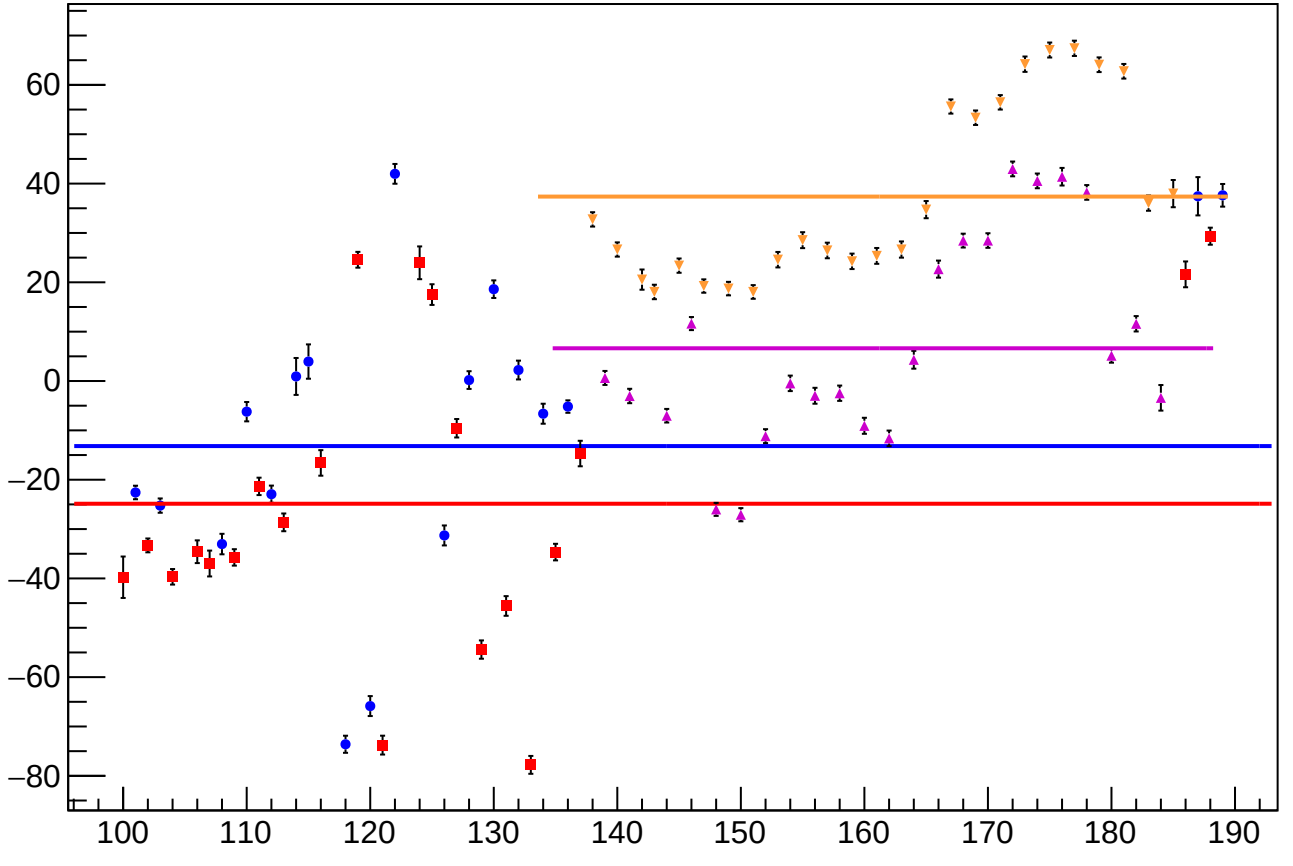
Right: 1375.748+/-0.237 χ^2/NDF: 78435.0/38

In: 1594.074+/-0.222 χ^2/NDF:937056.3/40

Out: 1583.873+/-0.213 χ^2/NDF:1054182.5/45

All: 1588.757+/-0.154 χ^2/NDF: 1992340.3/86

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -13.183+/-0.444 χ^2/NDF: 4172.9/17

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -24.866+/-0.425 χ^2/NDF: 5106.6/20

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

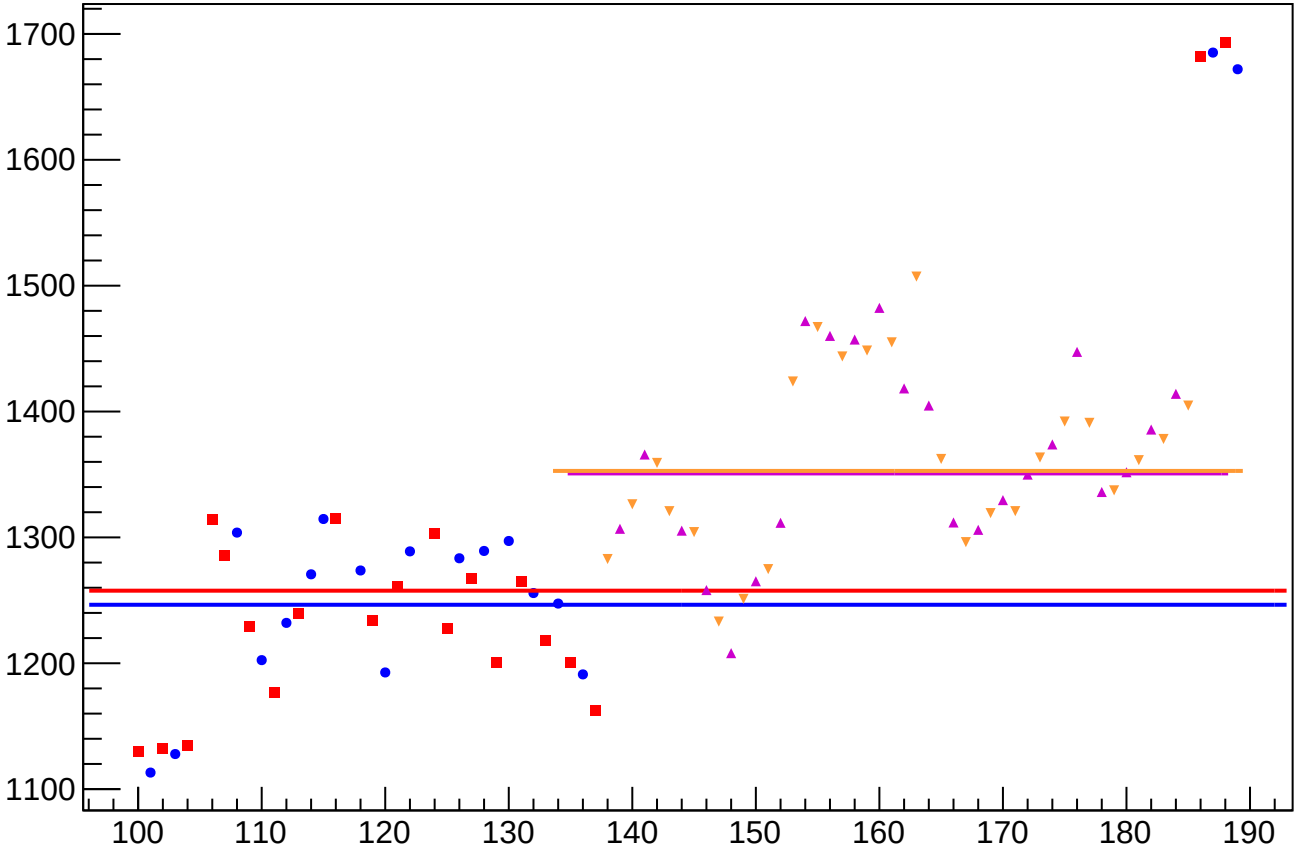
Right: -19.280+/-0.307 χ^2/NDF: 9641.4/38

In: -0.041+/-0.257 χ^2/NDF:9906.5/40

Out: 15.925+/-0.249 χ^2/NDF:22582.6/45

All: 8.200+/-0.179 χ^2/NDF: 34474.5/86

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1246.473+/-0.314 χ^2/NDF: 140162.4/17

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1257.668+/-0.300 χ^2/NDF: 226694.9/20

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

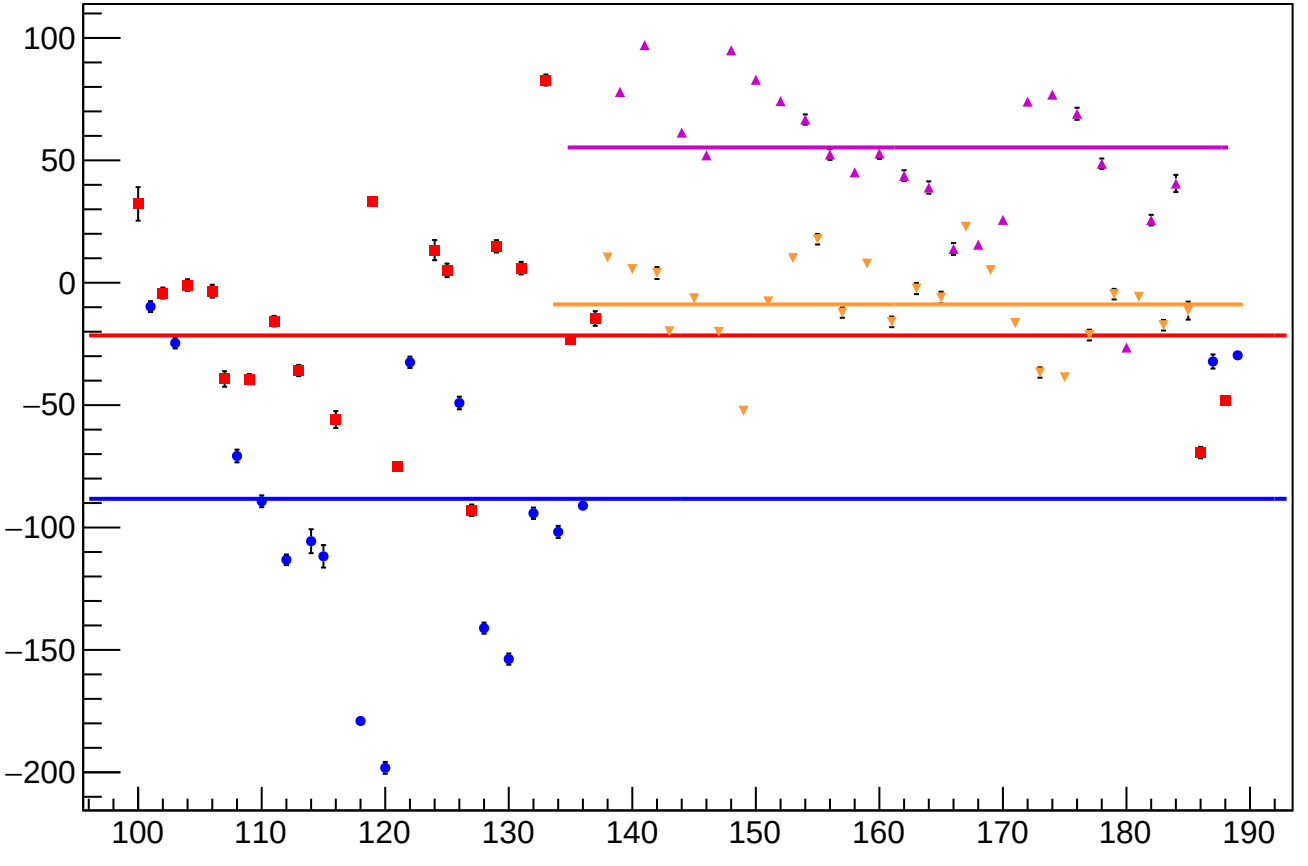
Right: 1252.315+/-0.217 χ^2/NDF: 367521.9/38

In: 1315.691+/-0.182 χ^2/NDF:322190.1/40

Out: 1320.035+/-0.176 χ^2/NDF:397367.4/45

All: 1317.933+/-0.127 χ^2/NDF: 719851.4/86

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -88.269+/-0.538 χ^2/NDF: 10138.2/17

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -21.524+/-0.508 χ^2/NDF: 6367.6/20

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

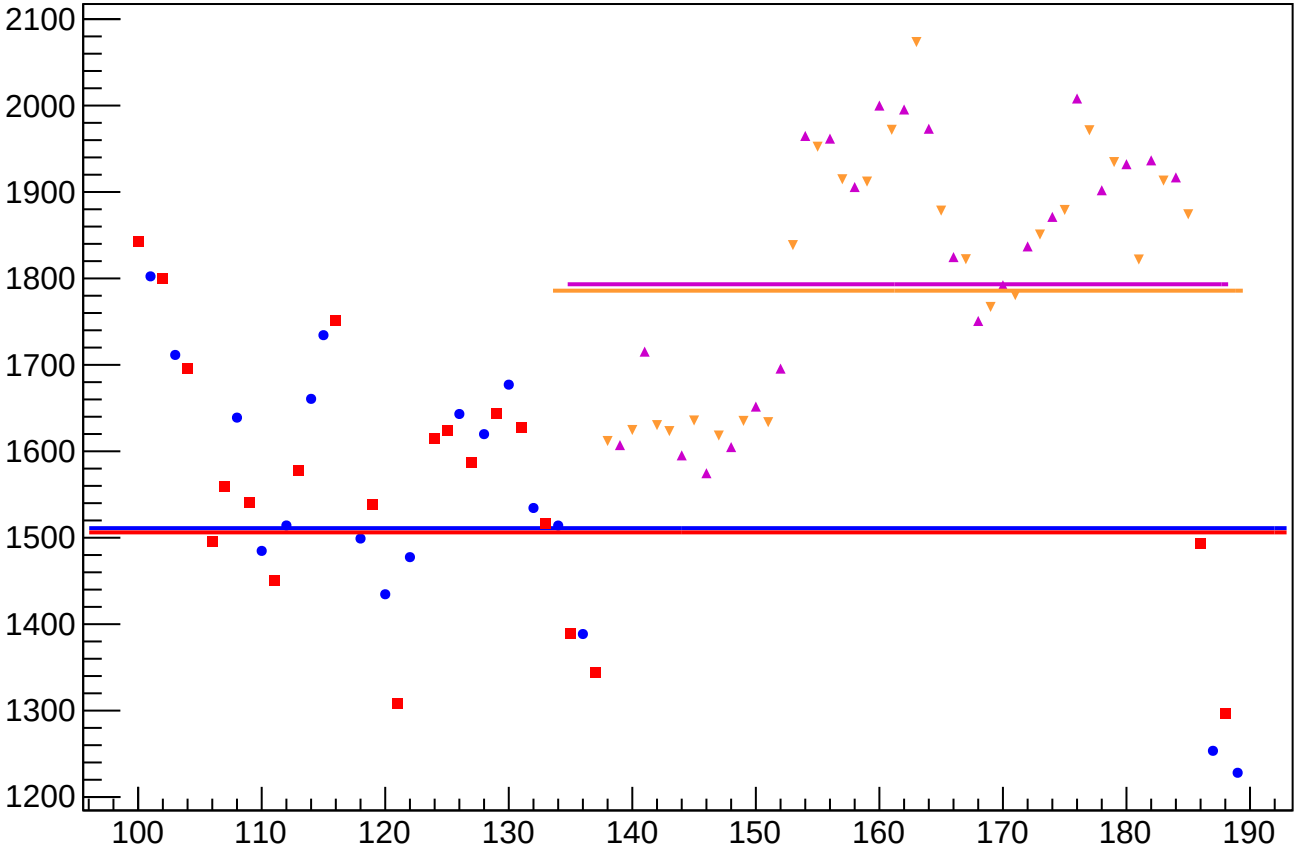
Right: -52.933+/-0.369 χ^2/NDF: 24644.1/38

In: 0.879+/-0.331 χ^2/NDF:59028.1/40

Out: -13.819+/-0.318 χ^2/NDF:8699.6/45

All: -6.782+/-0.229 χ^2/NDF: 68753.0/86

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1511.084+/-0.381 χ^2/NDF: 171670.3/17

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1506.188+/-0.359 χ^2/NDF: 168521.9/20

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

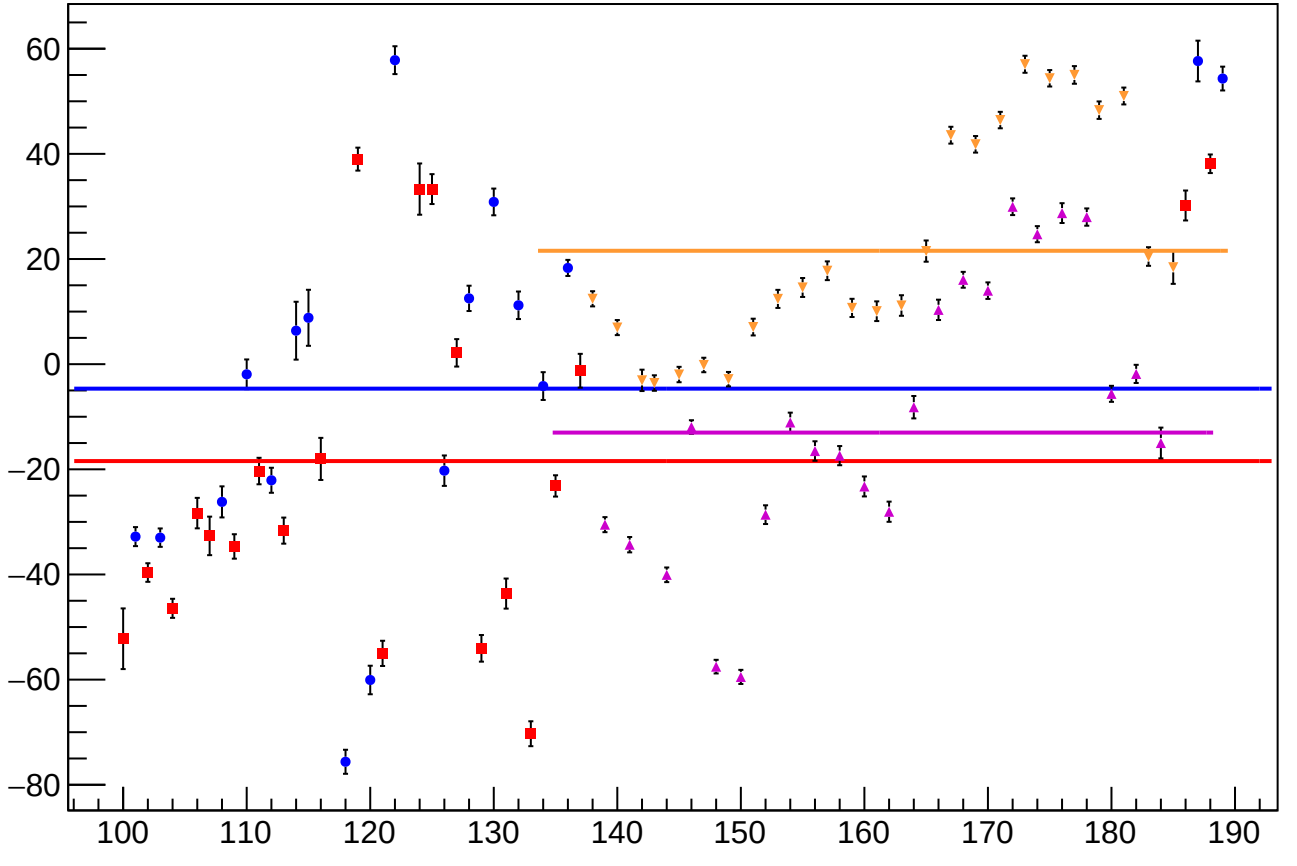
Right: 1508.492+/-0.261 χ^2/NDF: 340279.7/38

In: 1686.333+/-0.234 χ^2/NDF:765720.1/40

Out: 1676.329+/-0.225 χ^2/NDF:775177.5/45

All: 1681.119+/-0.162 χ^2/NDF: 1541847.7/86

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -4.655+/-0.576 χ^2/NDF: 4032.3/17

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -18.431+/-0.546 χ^2/NDF: 4054.0/20

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

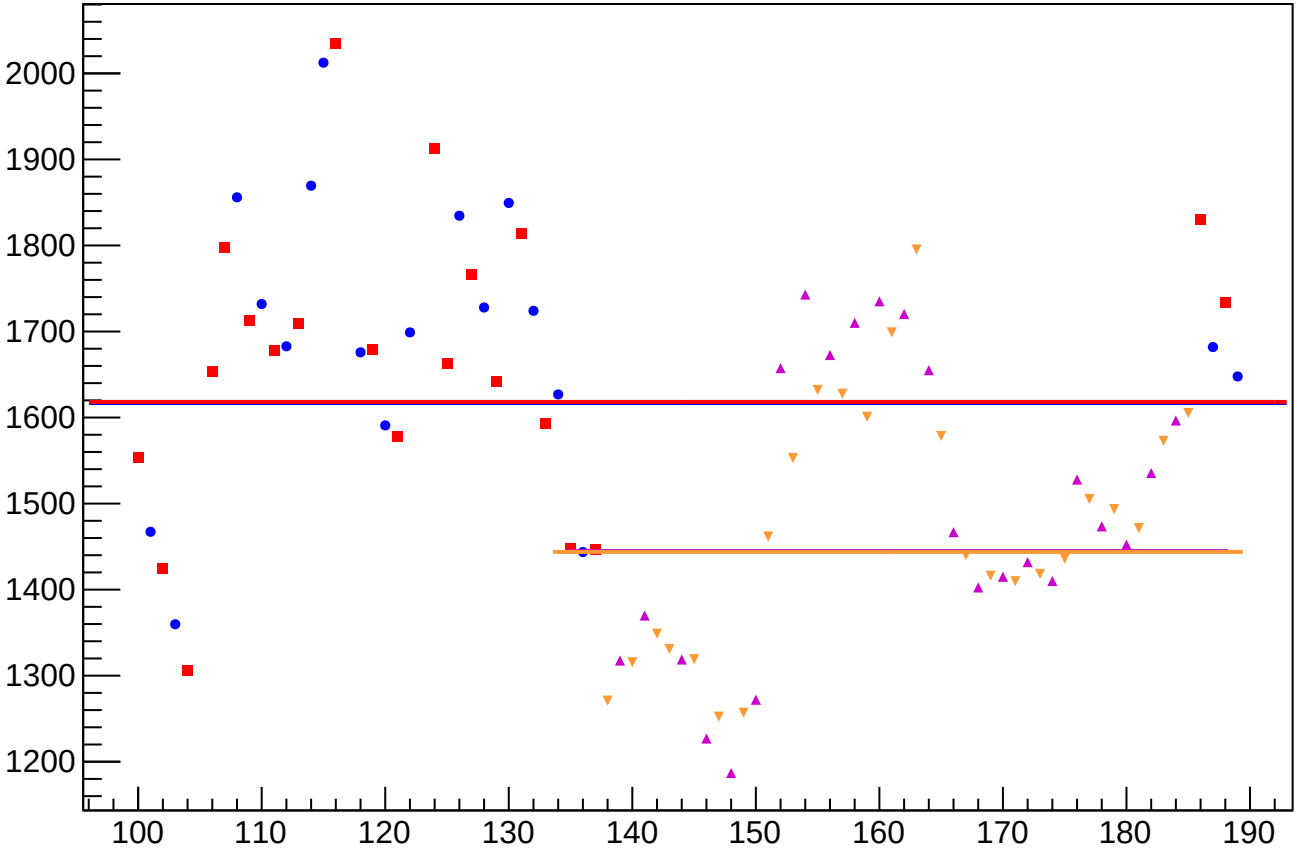
Right: -11.913+/-0.396 χ^2/NDF: 8387.2/38

In: -10.856+/-0.293 χ^2/NDF:10815.5/40

Out: 10.875+/-0.282 χ^2/NDF:12143.5/45

All: 0.405+/-0.203 χ^2/NDF: 25812.0/86

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1616.862+/-0.408 χ^2/NDF: 155725.5/17

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1618.152+/-0.386 χ^2/NDF: 183118.1/20

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

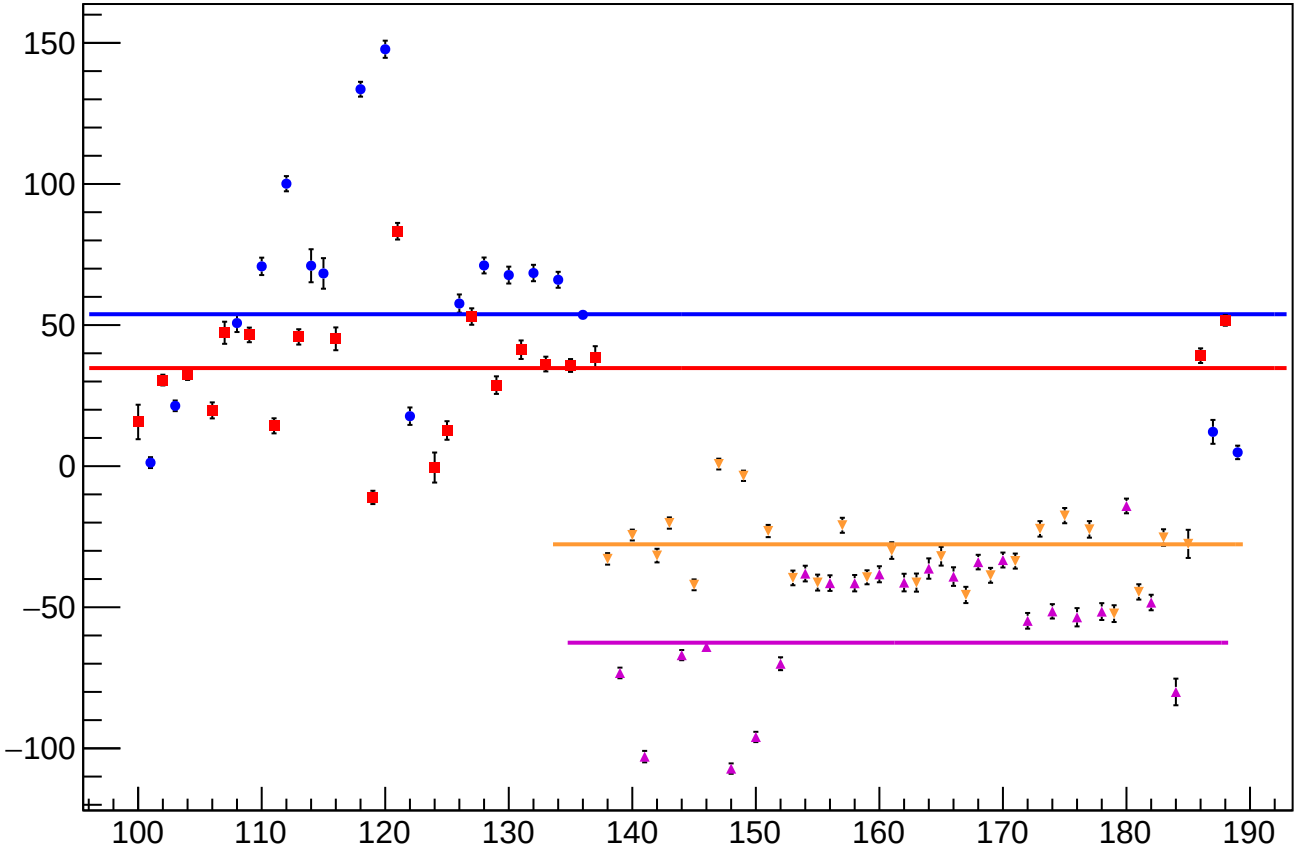
Right: 1617.542+/-0.280 χ^2/NDF: 338848.9/38

In: 1489.239+/-0.207 χ^2/NDF:773154.5/40

Out: 1490.423+/-0.200 χ^2/NDF:684774.5/45

All: 1489.853+/-0.144 χ^2/NDF: 1457946.0/86

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 53.845+/-0.640 χ^2/NDF: 4012.2/17

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 34.762+/-0.596 χ^2/NDF: 1027.4/20

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

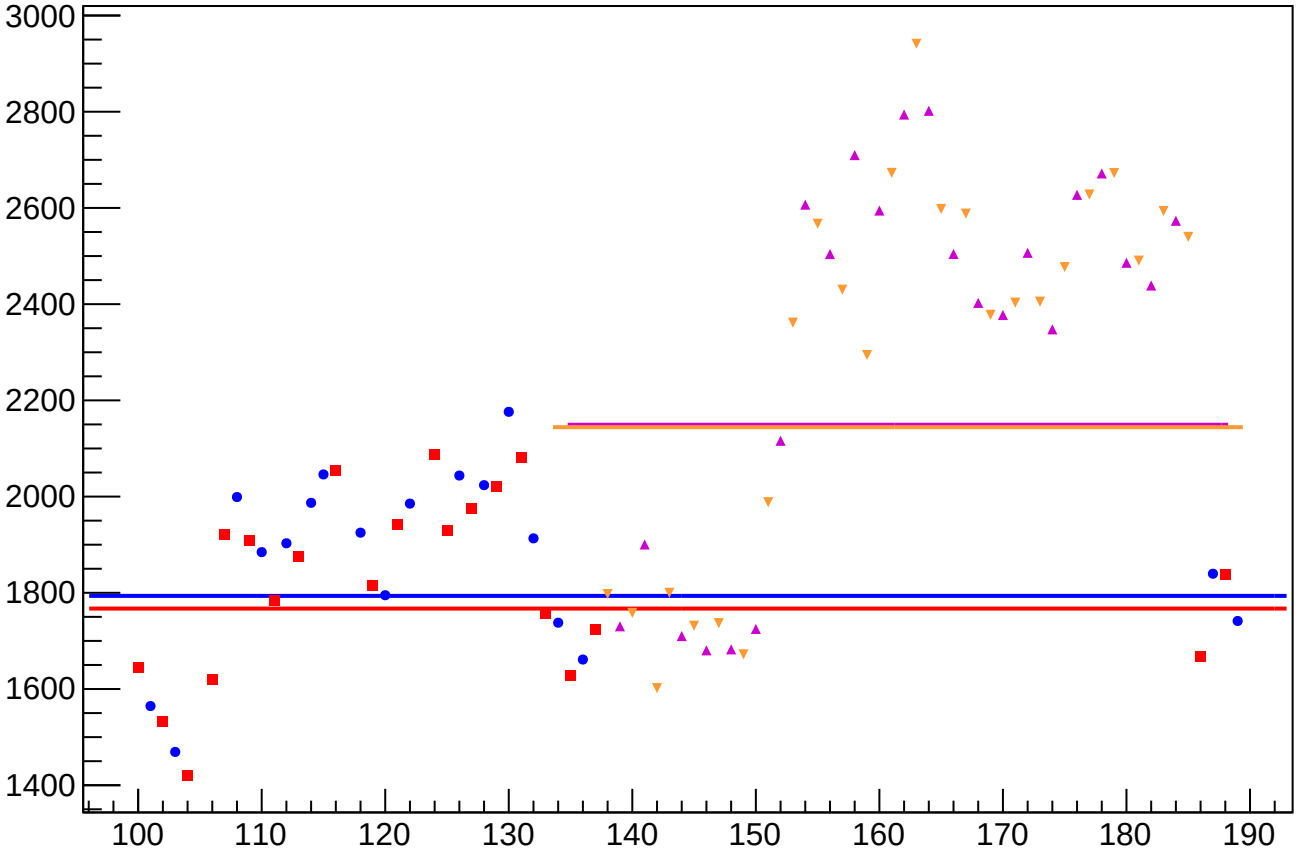
Right: 43.633+/-0.436 χ^2/NDF: 5515.5/38

In: -17.155+/-0.400 χ^2/NDF:26650.6/40

Out: -2.156+/-0.381 χ^2/NDF:8275.4/45

All: -9.304+/-0.276 χ^2/NDF: 35663.2/86

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1793.601+/-0.453 χ^2/NDF: 194396.6/17

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1767.228+/-0.422 χ^2/NDF: 195782.9/20

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

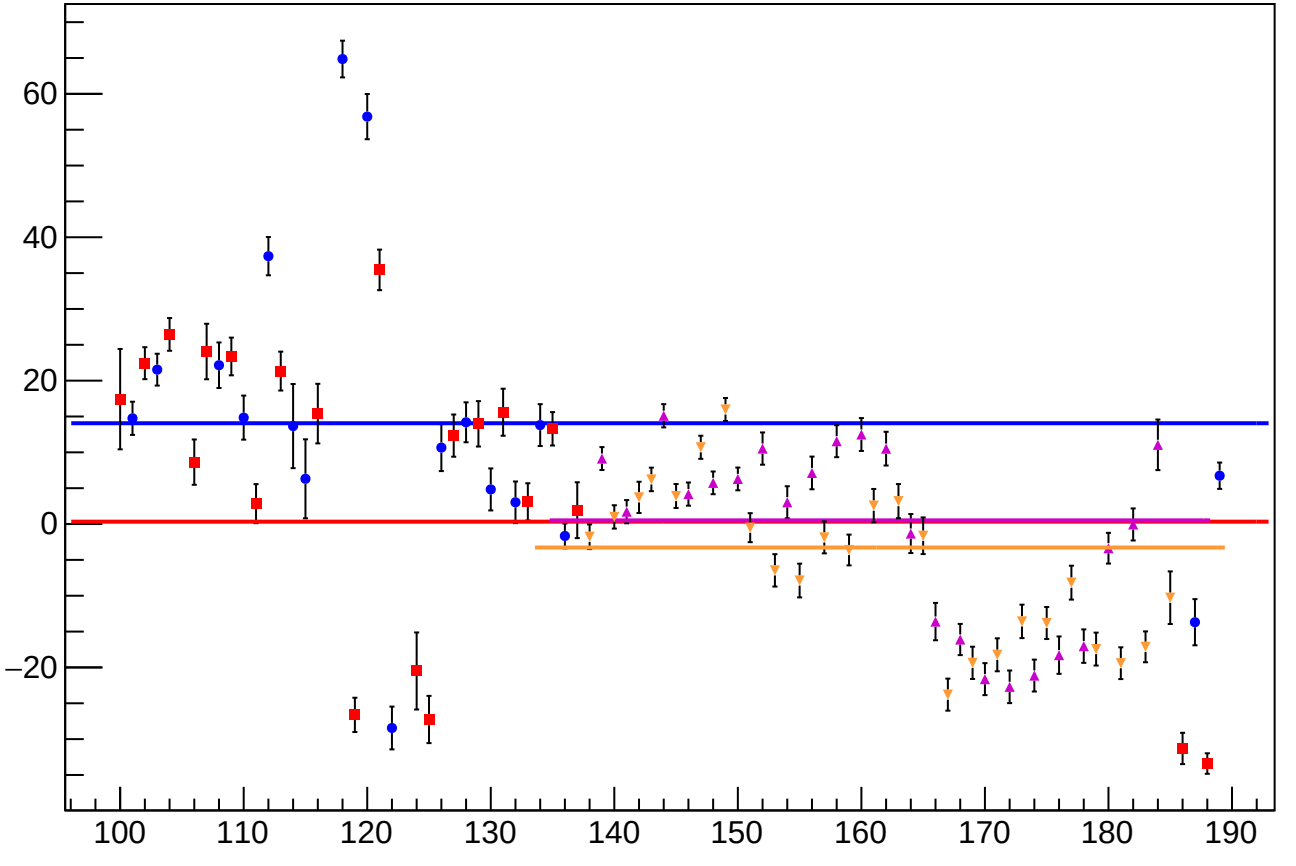
Right: 1779.487+/-0.309 χ^2/NDF: 391997.2/38

In: 2010.595+/-0.283 χ^2/NDF:1837107.7/40

Out: 1990.077+/-0.270 χ^2/NDF:1947993.6/45

All: 1999.855+/-0.195 χ^2/NDF: 3787860.2/86

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 14.060+/-0.637 χ^2/NDF: 1074.5/17

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 0.332+/-0.589 χ^2/NDF: 1651.5/20

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

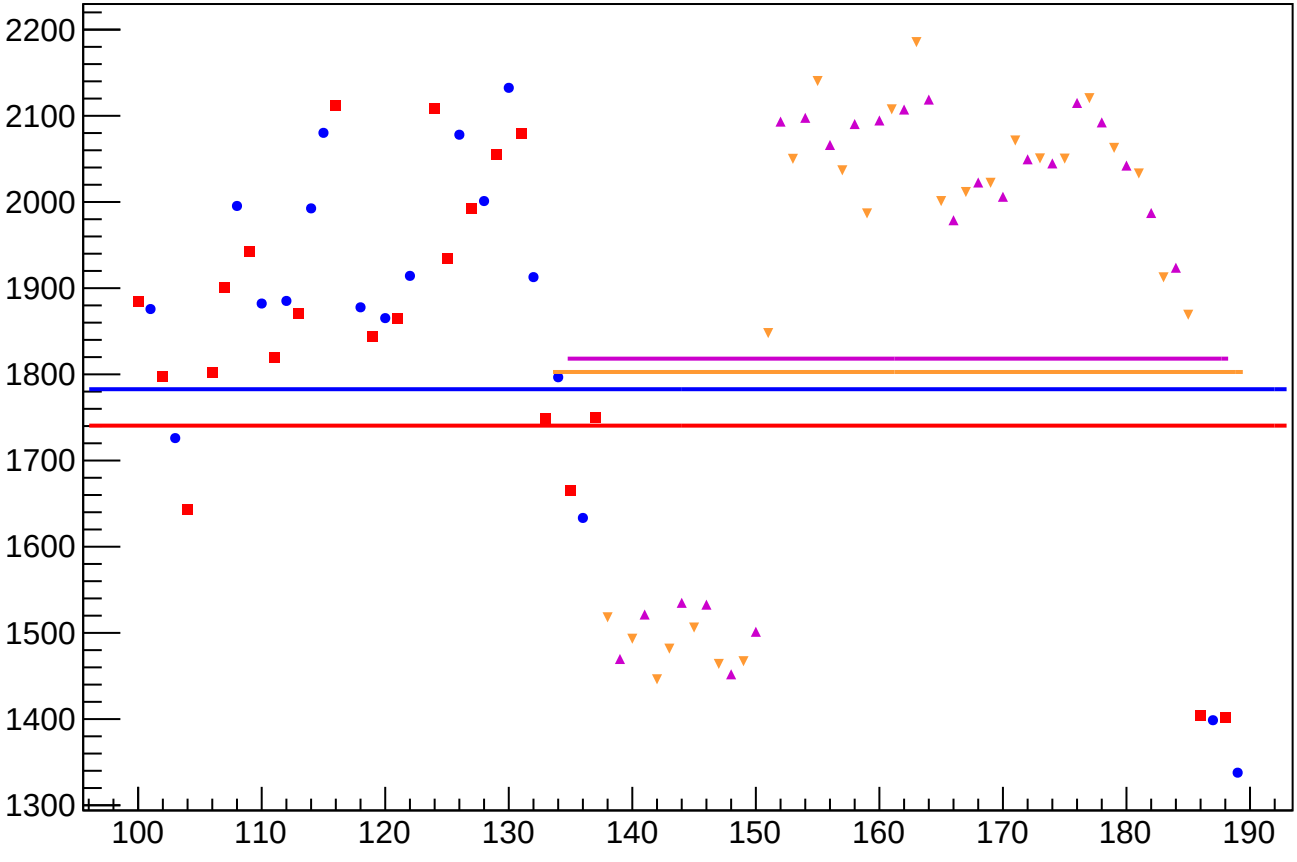
Right: 6.655+/-0.432 χ^2/NDF: 2976.4/38

In: 4.748+/-0.356 χ^2/NDF:2131.1/40

Out: -2.079+/-0.339 χ^2/NDF:2347.7/45

All: 1.164+/-0.246 χ^2/NDF: 4671.5/86

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1782.758+/-0.451 χ^2/NDF: 256664.3/17

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1740.498+/-0.416 χ^2/NDF: 284935.7/20

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

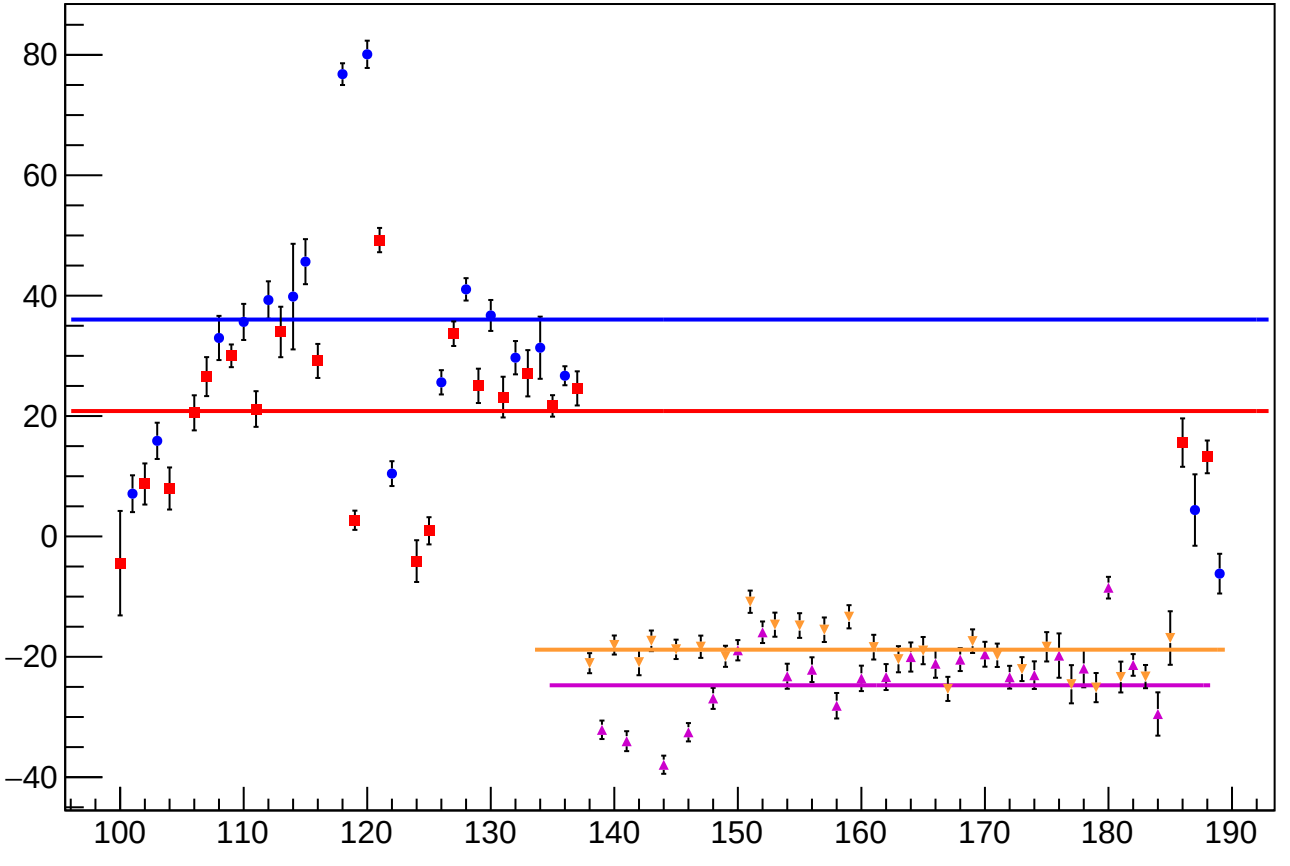
Right: 1759.963+/-0.306 χ^2/NDF: 546345.8/38

In: 1807.134+/-0.252 χ^2/NDF:1101276.6/40

Out: 1782.111+/-0.240 χ^2/NDF:1197255.6/45

All: 1794.001+/-0.174 χ^2/NDF: 2303709.9/86

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 36.031+/-0.608 χ^2/NDF: 1450.7/17

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 20.830+/-0.573 χ^2/NDF: 592.8/20

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

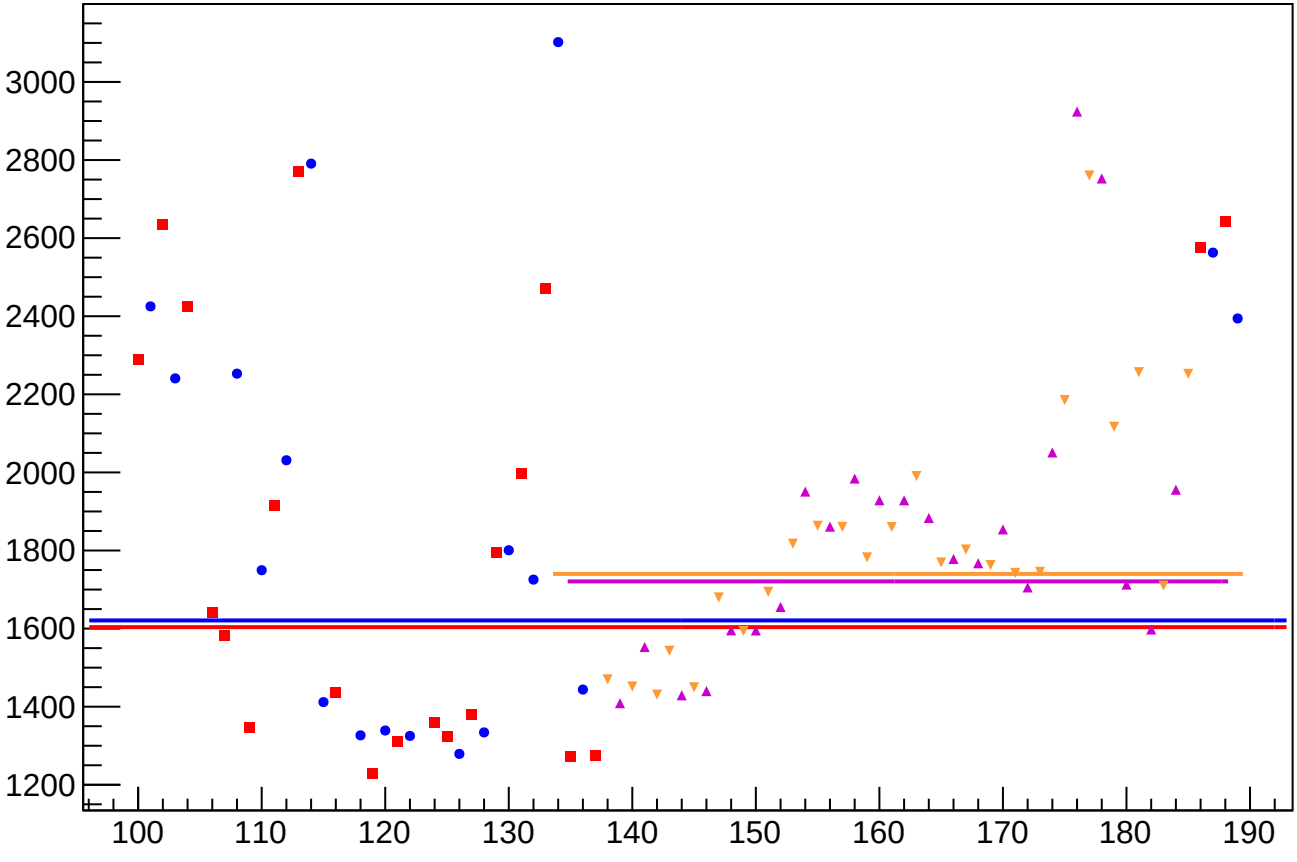
Right: 27.981+/-0.417 χ^2/NDF: 2374.1/38

In: -5.831+/-0.339 χ^2/NDF:8631.5/40

Out: -5.754+/-0.329 χ^2/NDF:3873.2/45

All: -5.792+/-0.236 χ^2/NDF: 12504.8/86

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1620.916+/-0.430 χ^2/NDF: 955306.3/17

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1603.749+/-0.405 χ^2/NDF: 1388202.7/20

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

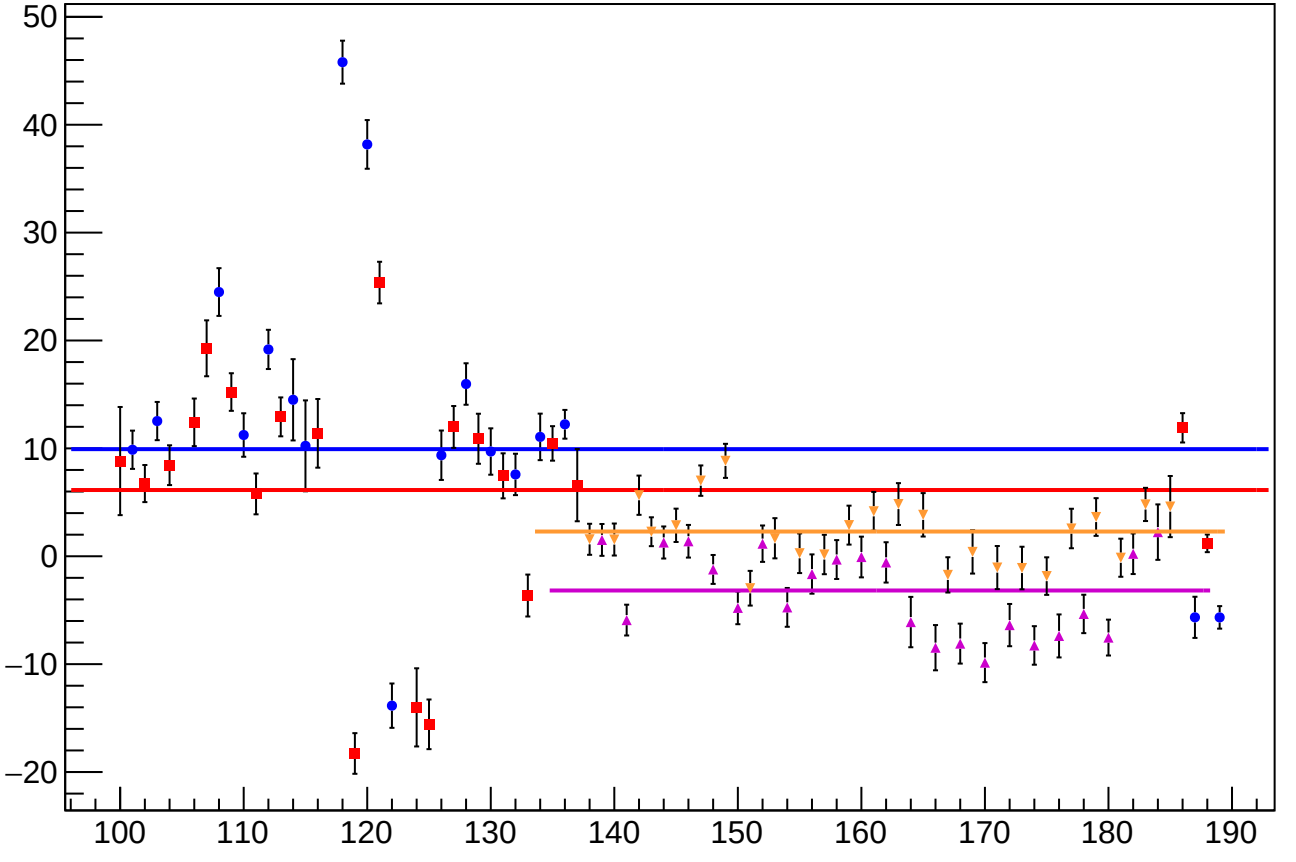
Right: 1611.825+/-0.295 χ^2/NDF: 2344352.3/38

In: 1689.775+/-0.240 χ^2/NDF:1876488.7/40

Out: 1695.171+/-0.233 χ^2/NDF:2217401.6/45

All: 1692.555+/-0.167 χ^2/NDF: 4094150.9/86

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 9.929+/-0.442 χ^2/NDF: 992.4/17

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 6.140+/-0.398 χ^2/NDF: 568.1/20

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

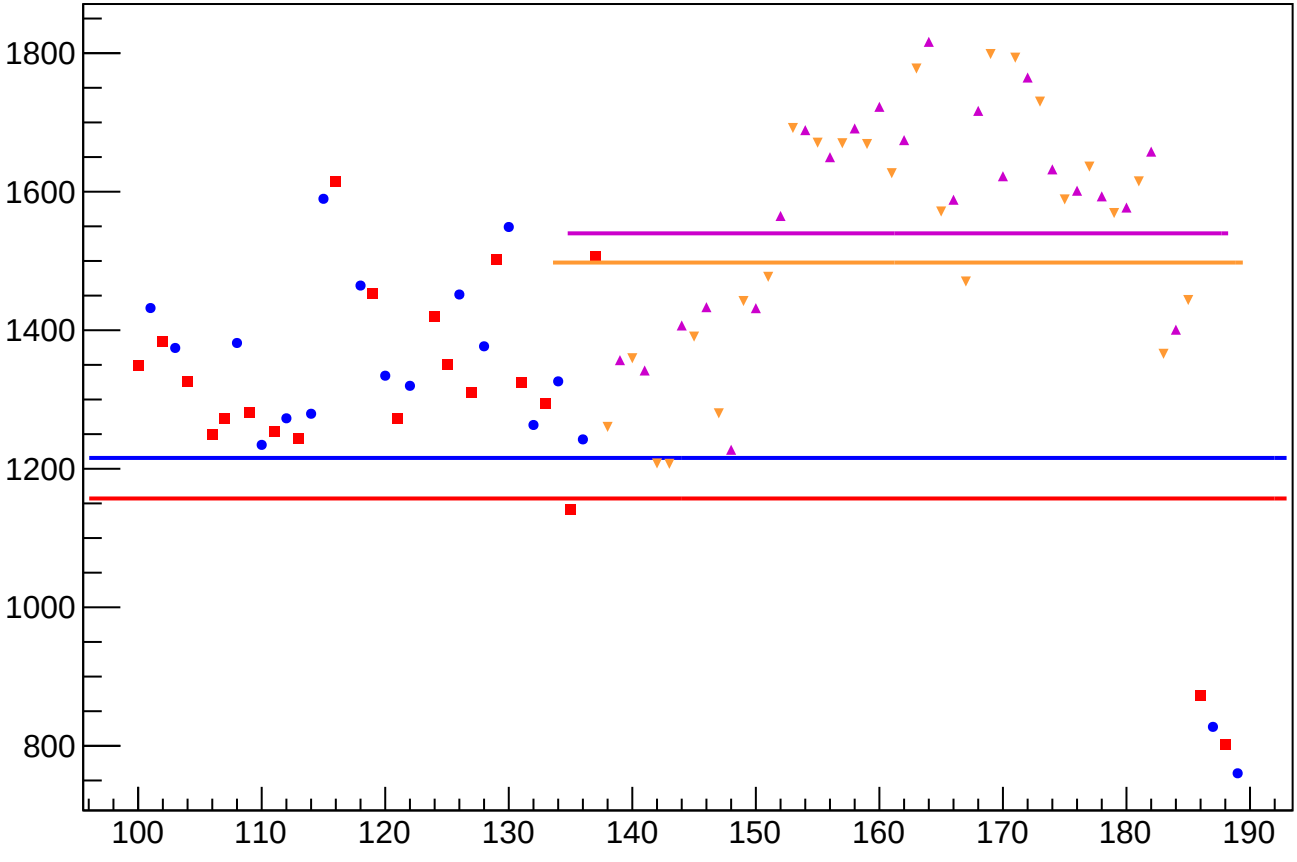
Right: 7.837+/-0.296 χ^2/NDF: 1601.1/38

In: 2.096+/-0.280 χ^2/NDF:1628.3/40

Out: 3.936+/-0.260 χ^2/NDF:695.2/45

All: 3.085+/-0.191 χ^2/NDF: 2346.6/86

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1215.641+/-0.312 χ^2/NDF: 670920.1/17

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1157.110+/-0.281 χ^2/NDF: 770819.6/20

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

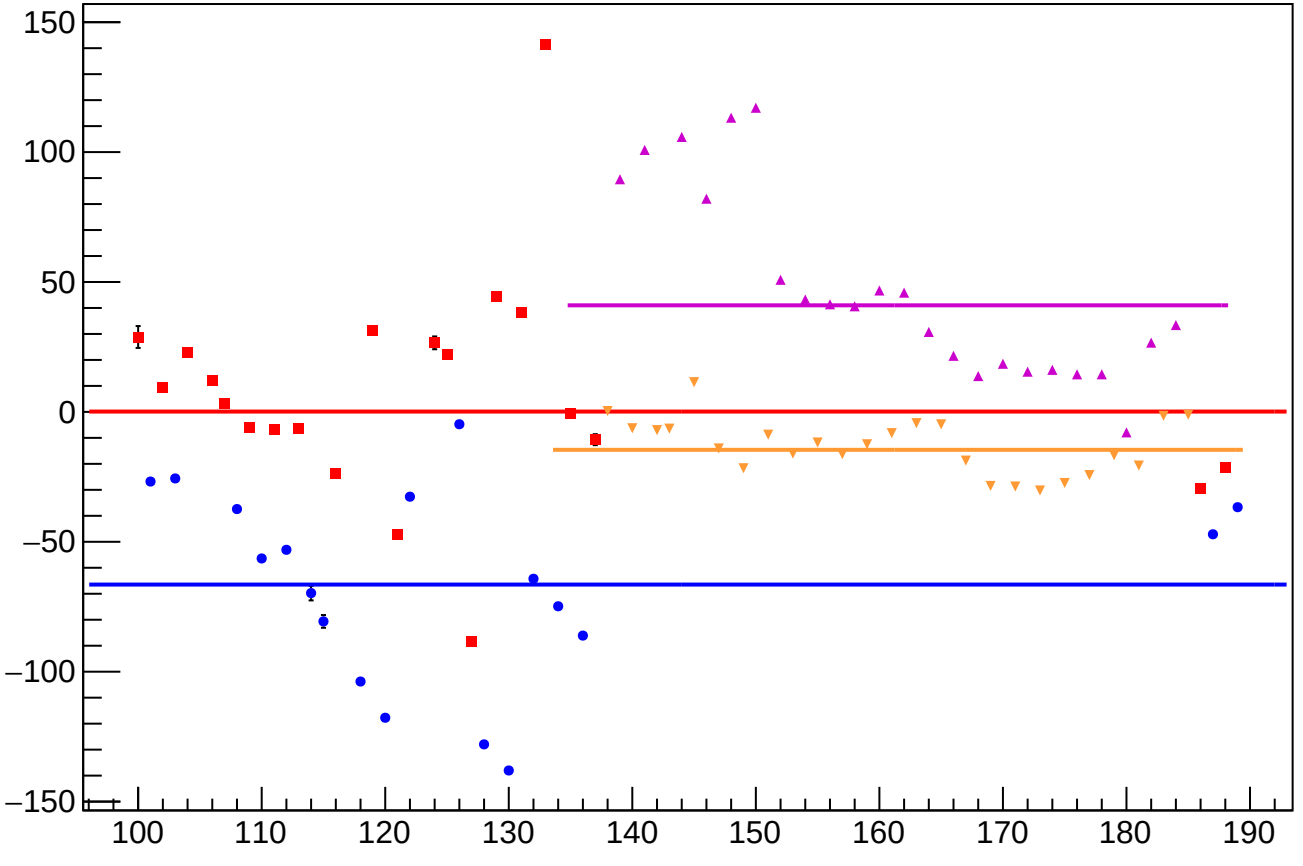
Right: 1183.313+/-0.209 χ^2/NDF: 1461117.2/38

In: 1409.494+/-0.198 χ^2/NDF:1694947.1/40

Out: 1352.267+/-0.184 χ^2/NDF:2179288.2/45

All: 1378.738+/-0.135 χ^2/NDF: 3919056.6/86

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -66.464+/-0.317 χ^2/NDF: 13759.9/17

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 0.128+/-0.289 χ^2/NDF: 21978.1/20

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

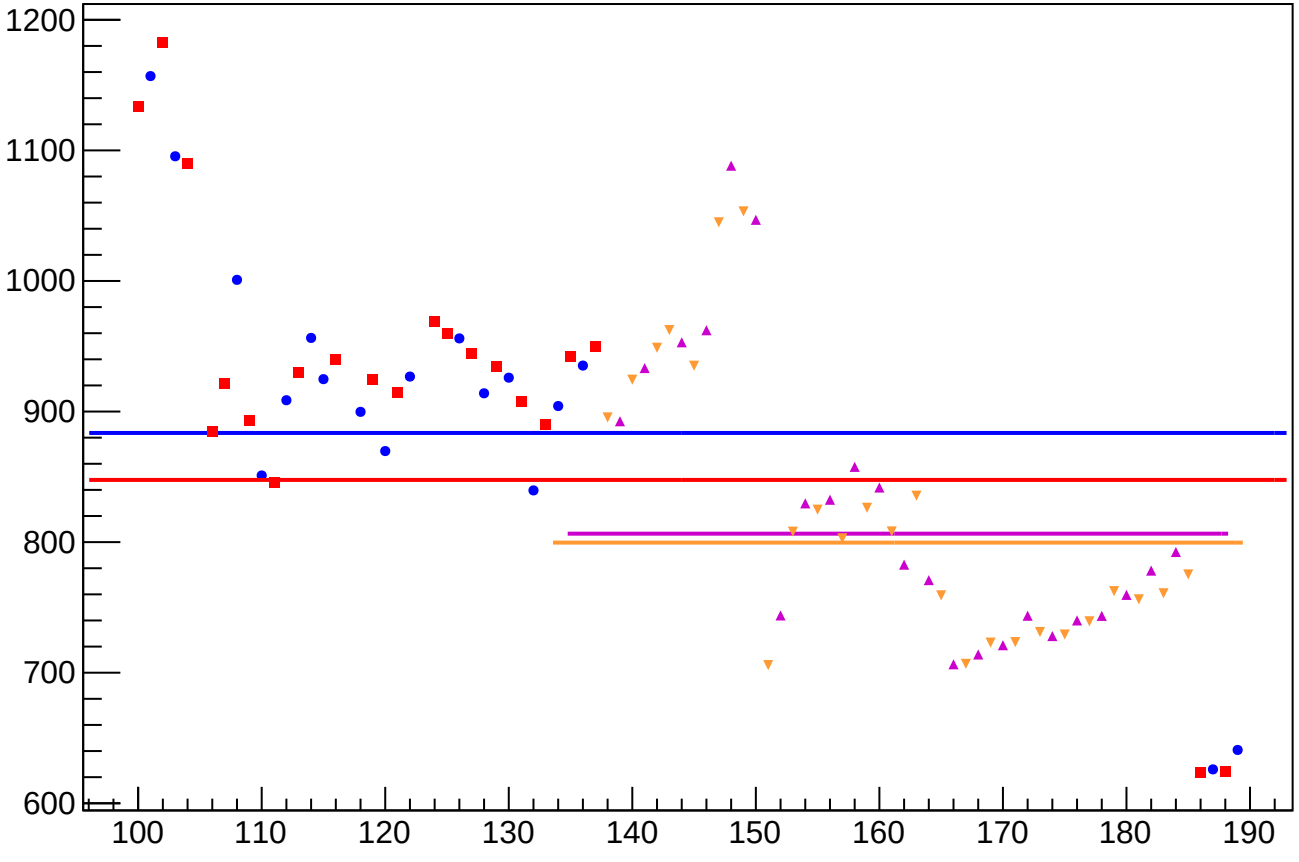
Right: -30.141+/-0.214 χ^2/NDF: 59837.7/38

In: 12.636+/-0.163 χ^2/NDF:129536.1/40

Out: -10.389+/-0.155 χ^2/NDF:26989.0/45

All: 0.529+/-0.112 χ^2/NDF: 167042.5/86

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 883.613+/-0.224 χ^2/NDF: 367856.9/17

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 847.641+/-0.204 χ^2/NDF: 601583.5/20

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

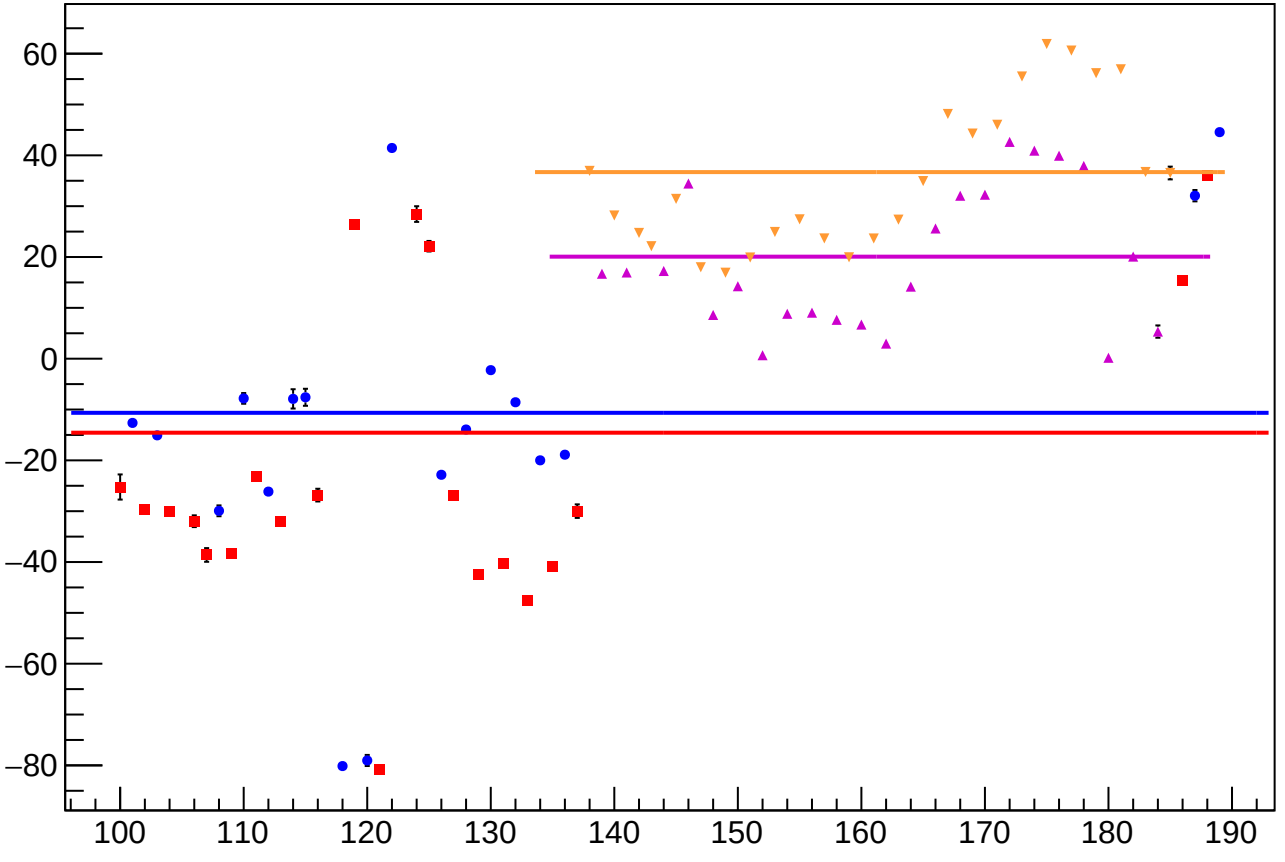
Right: 863.992+/-0.151 χ^2/NDF: 983504.1/38

In: 826.848+/-0.115 χ^2/NDF:966400.0/40

Out: 813.358+/-0.109 χ^2/NDF:1138365.8/45

All: 819.755+/-0.079 χ^2/NDF: 2111985.9/86

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -10.647+/-0.216 χ^2/NDF: 23222.5/17

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -14.559+/-0.200 χ^2/NDF: 28929.2/20

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

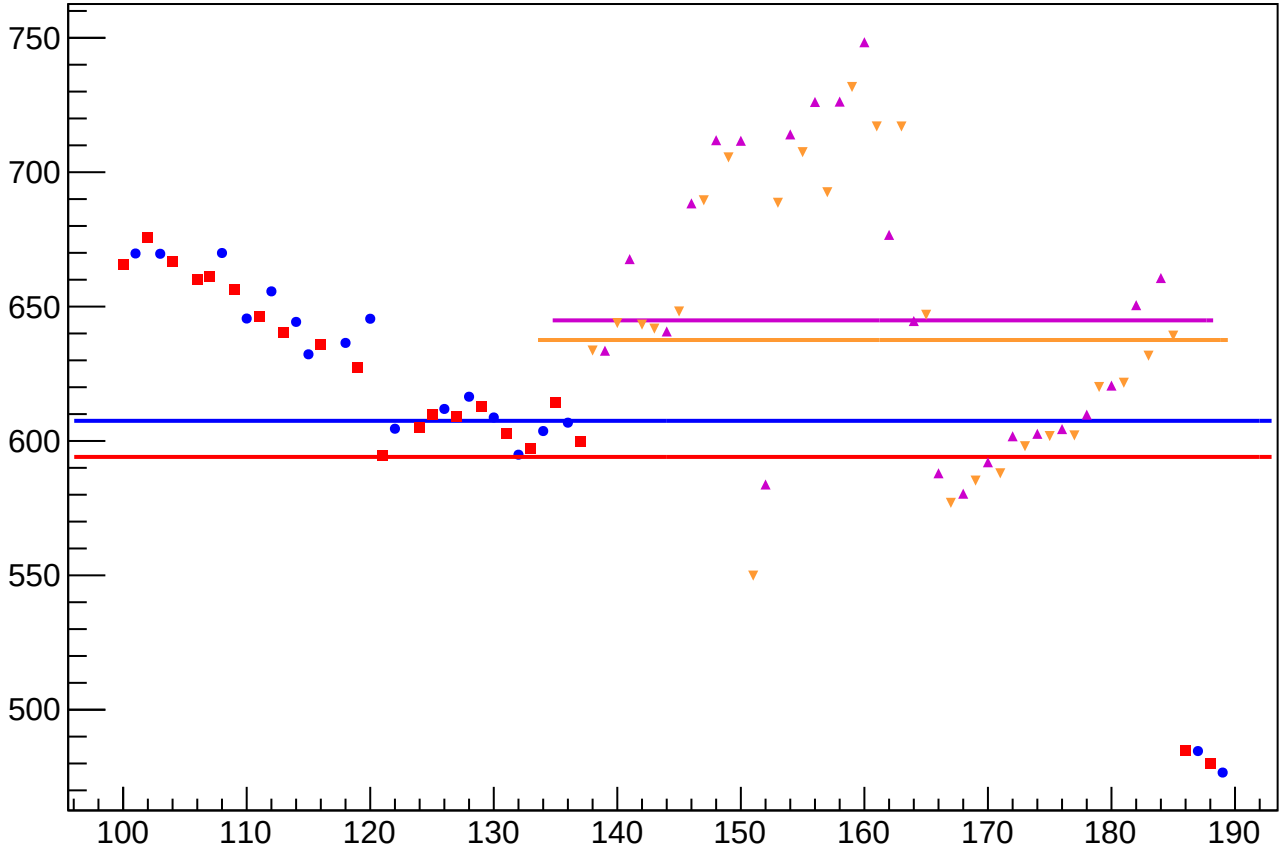
Right: -12.751+/-0.147 χ^2/NDF: 52327.9/38

In: 9.977+/-0.124 χ^2/NDF:45337.1/40

Out: 19.023+/-0.118 χ^2/NDF:82019.9/45

All: 14.732+/-0.085 χ^2/NDF: 130158.3/86

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 607.494+/-0.153 χ^2/NDF: 147583.9/17

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 594.063+/-0.142 χ^2/NDF: 224875.2/20

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

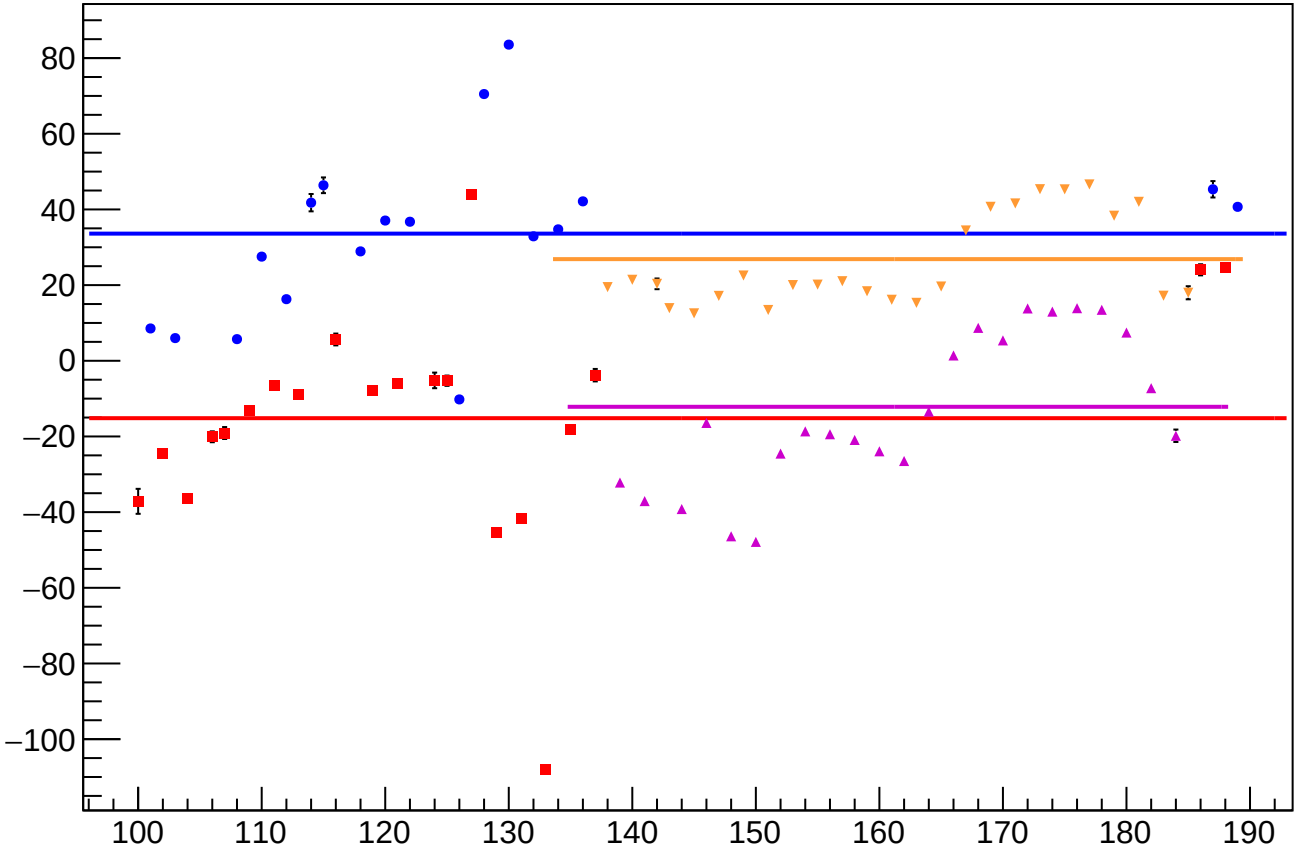
Right: 600.271+/-0.104 χ^2/NDF: 376610.3/38

In: 632.591+/-0.088 χ^2/NDF:417287.0/40

Out: 622.563+/-0.083 χ^2/NDF:523153.7/45

All: 627.319+/-0.060 χ^2/NDF: 947325.0/86

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.608+/-0.279 χ^2/NDF: 6764.4/17

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -15.169+/-0.269 χ^2/NDF: 14623.4/20

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

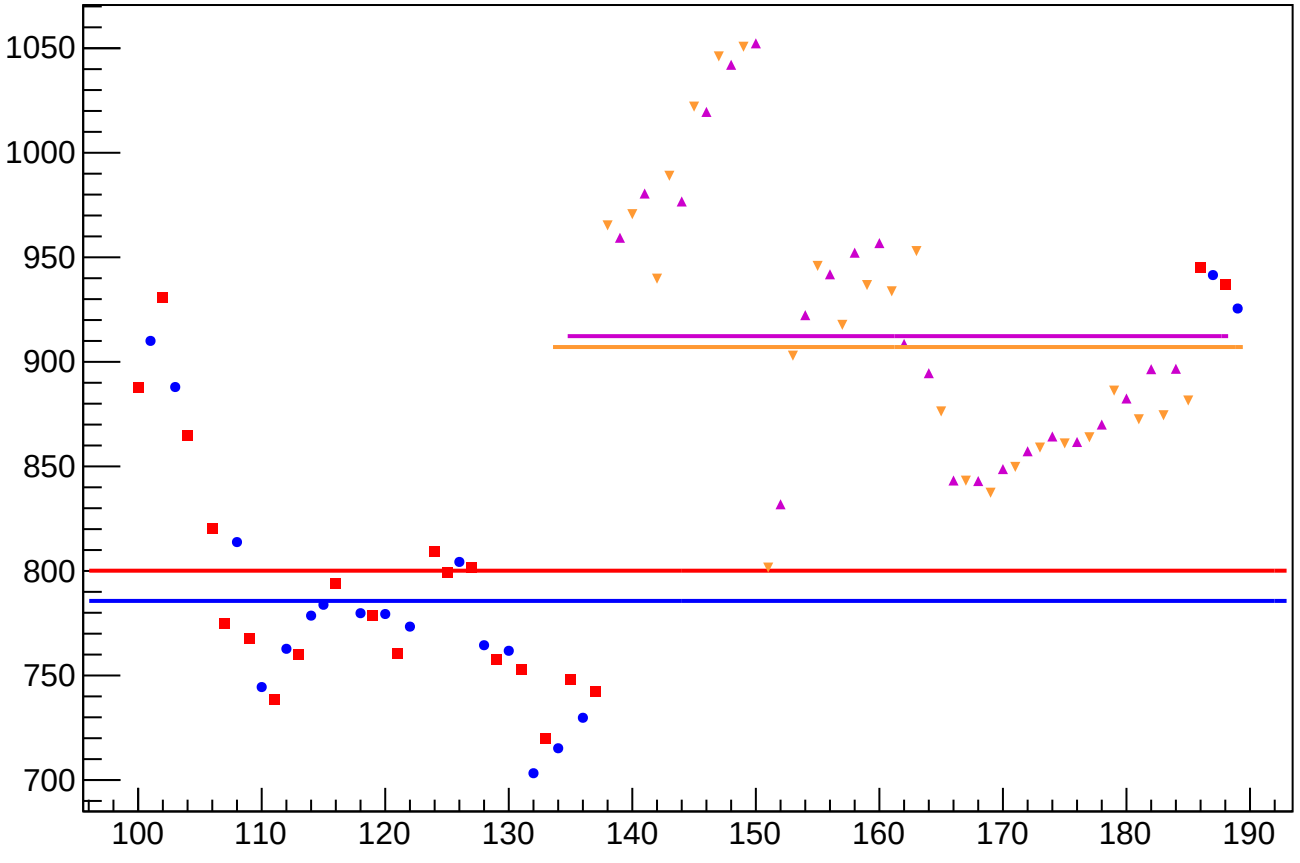
Right: 8.325+/-0.194 χ^2/NDF: 37189.1/38

In: 4.734+/-0.170 χ^2/NDF:32243.5/40

Out: 11.286+/-0.164 χ^2/NDF:33346.9/45

All: 8.123+/-0.118 χ^2/NDF: 66361.1/86

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 785.668+/-0.198 χ^2/NDF: 111646.1/17

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 800.122+/-0.190 χ^2/NDF: 132851.5/20

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

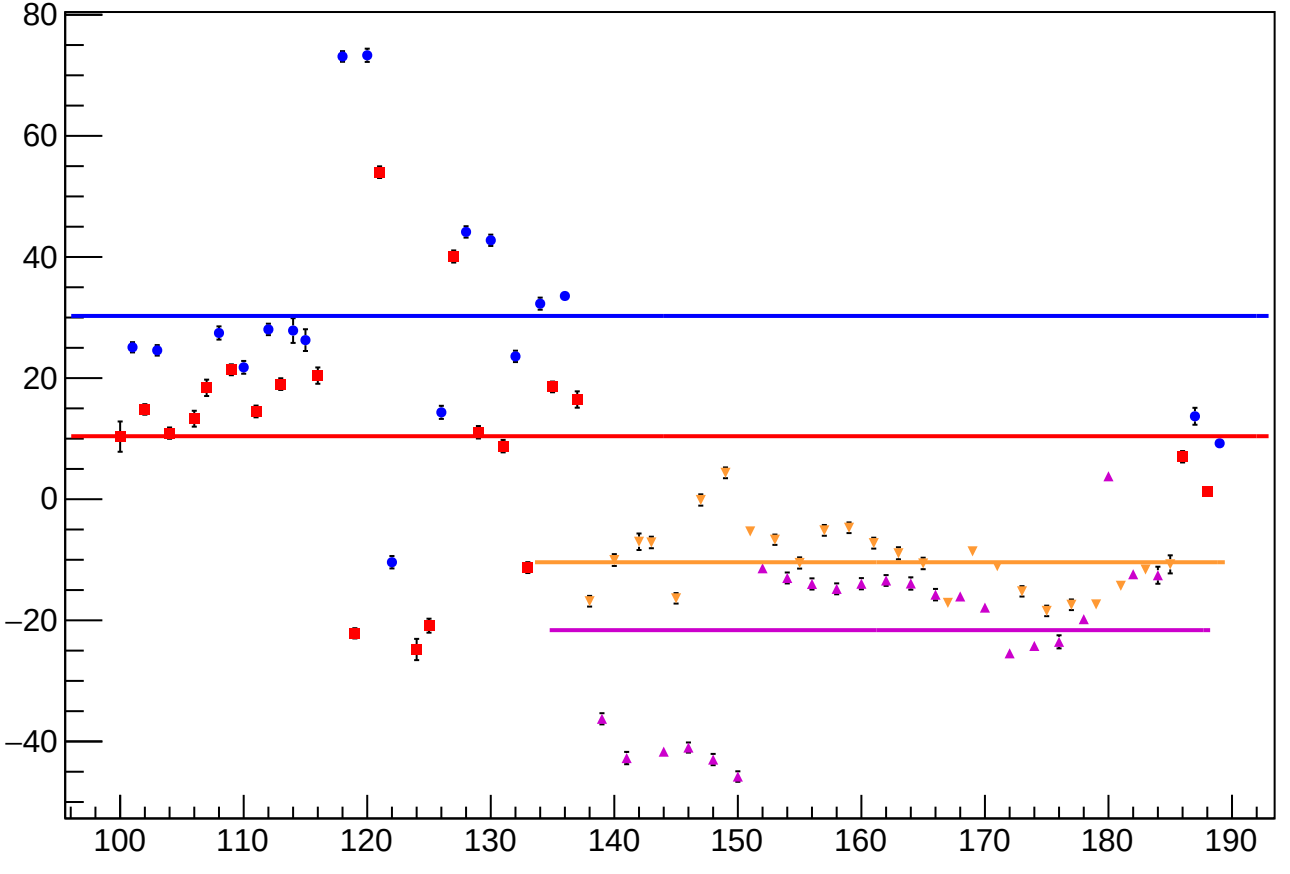
Right: 793.160+/-0.137 χ^2/NDF: 247272.7/38

In: 865.559+/-0.120 χ^2/NDF:545619.0/40

Out: 867.441+/-0.116 χ^2/NDF:526037.5/45

All: 866.532+/-0.083 χ^2/NDF: 1071783.7/86

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 30.266+/-0.229 χ^2/NDF: 7230.2/17

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.406+/-0.219 χ^2/NDF: 6829.2/20

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

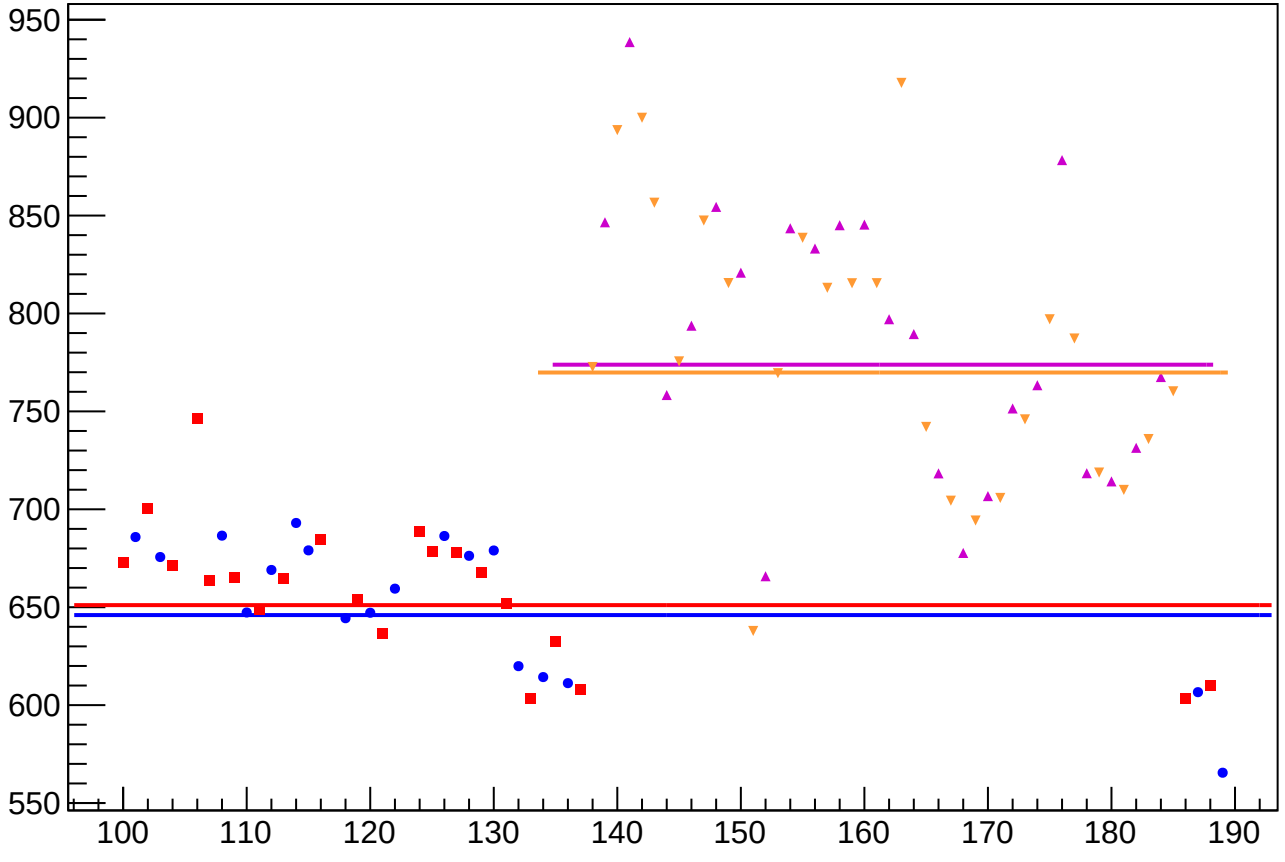
Right: 19.861+/-0.158 χ^2/NDF: 17987.1/38

In: -1.584+/-0.143 χ^2/NDF:43881.5/40

Out: -2.224+/-0.137 χ^2/NDF:13368.7/45

All: -1.916+/-0.099 χ^2/NDF: 57260.7/86

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 645.985+/-0.162 χ^2/NDF: 52202.8/17

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 651.066+/-0.155 χ^2/NDF: 47193.5/20

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

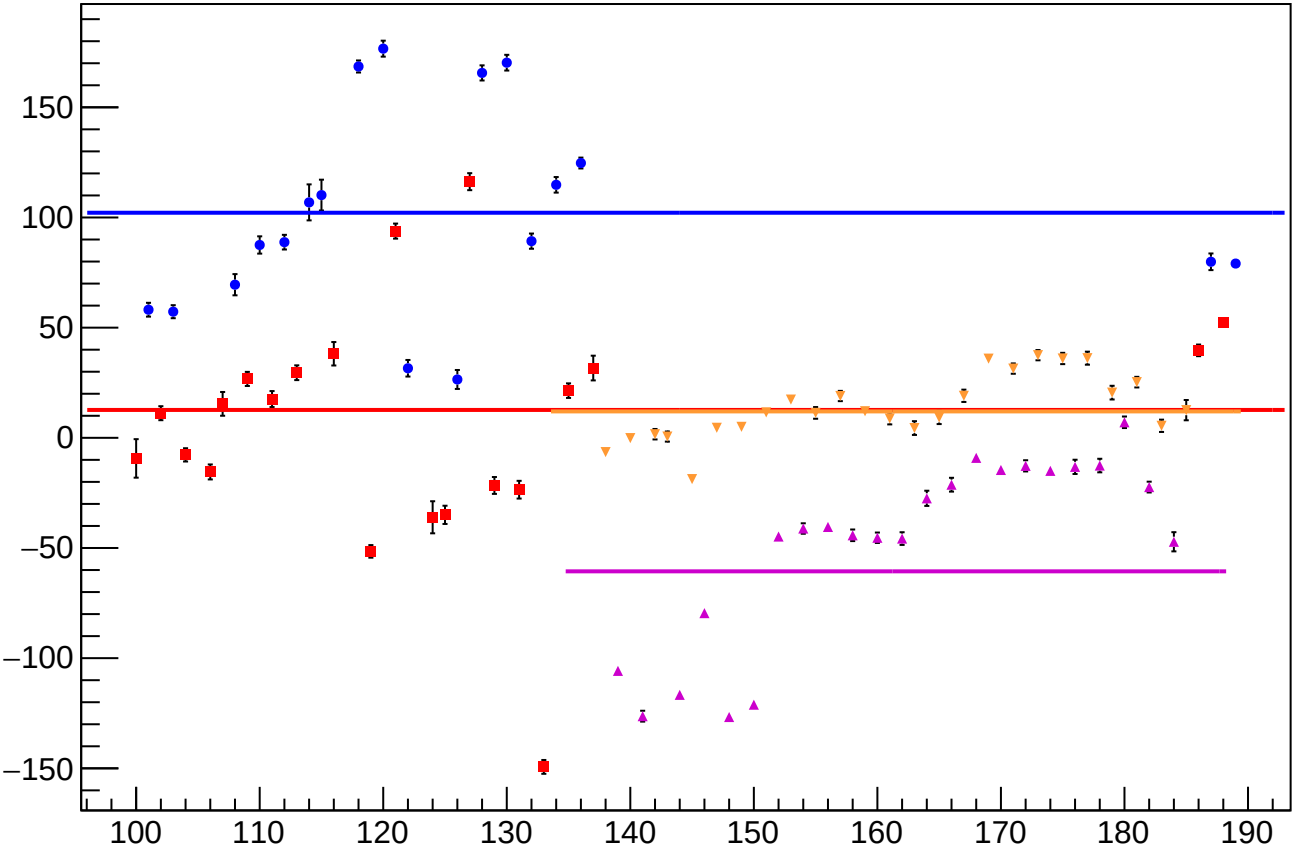
Right: 648.647+/-0.112 χ^2/NDF: 99910.4/38

In: 724.469+/-0.101 χ^2/NDF:716500.2/40

Out: 723.147+/-0.097 χ^2/NDF:709900.3/45

All: 723.782+/-0.070 χ^2/NDF: 1426489.7/86

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 102.154+/-0.796 χ^2/NDF: 3150.4/17

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 12.652+/-0.735 χ^2/NDF: 5679.1/20

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

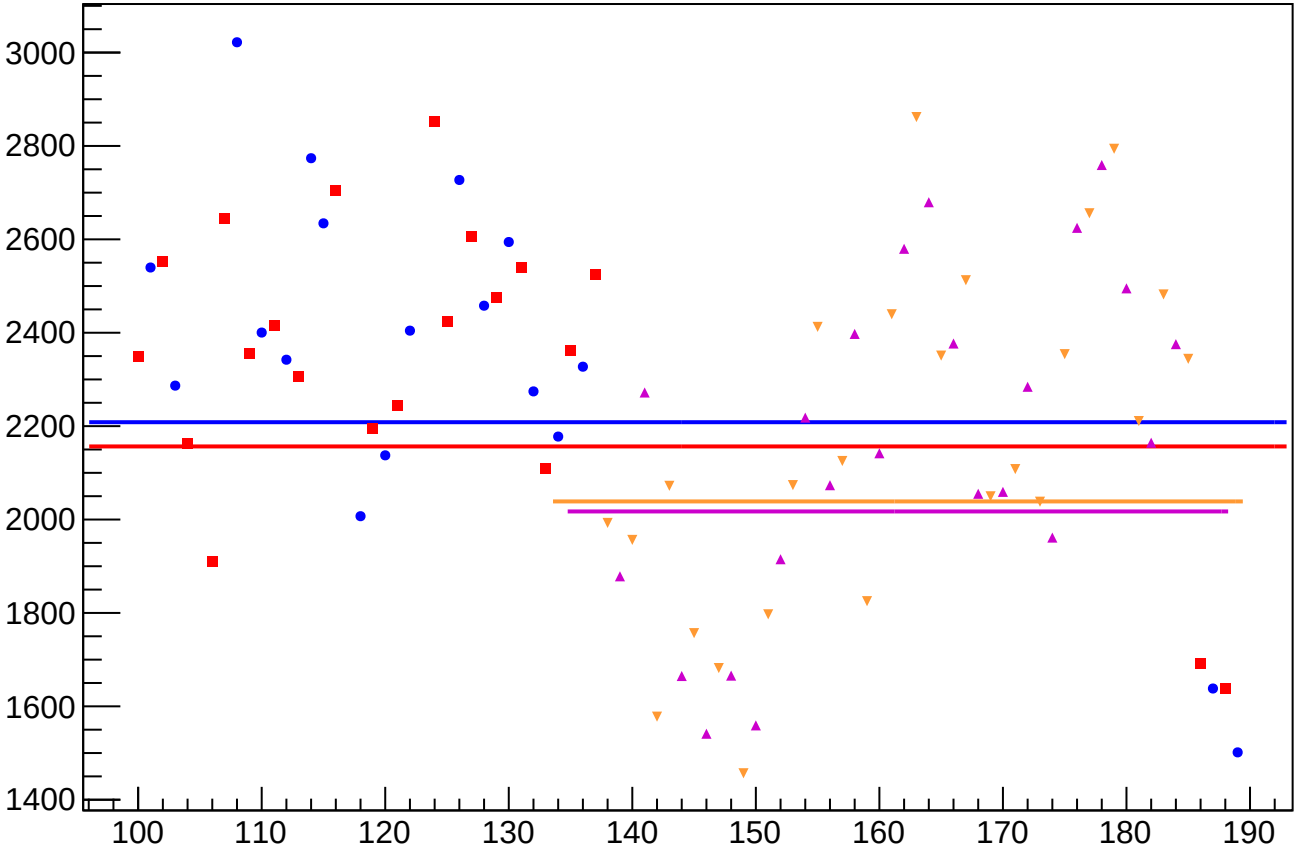
Right: 53.811+/-0.540 χ^2/NDF: 15651.2/38

In: -17.111+/-0.412 χ^2/NDF:42391.5/40

Out: 12.182+/-0.397 χ^2/NDF:6626.8/45

All: -1.928+/-0.286 χ^2/NDF: 51642.5/86

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2208.433+/-0.563 χ^2/NDF: 467702.5/17

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2156.545+/-0.520 χ^2/NDF: 461405.2/20

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

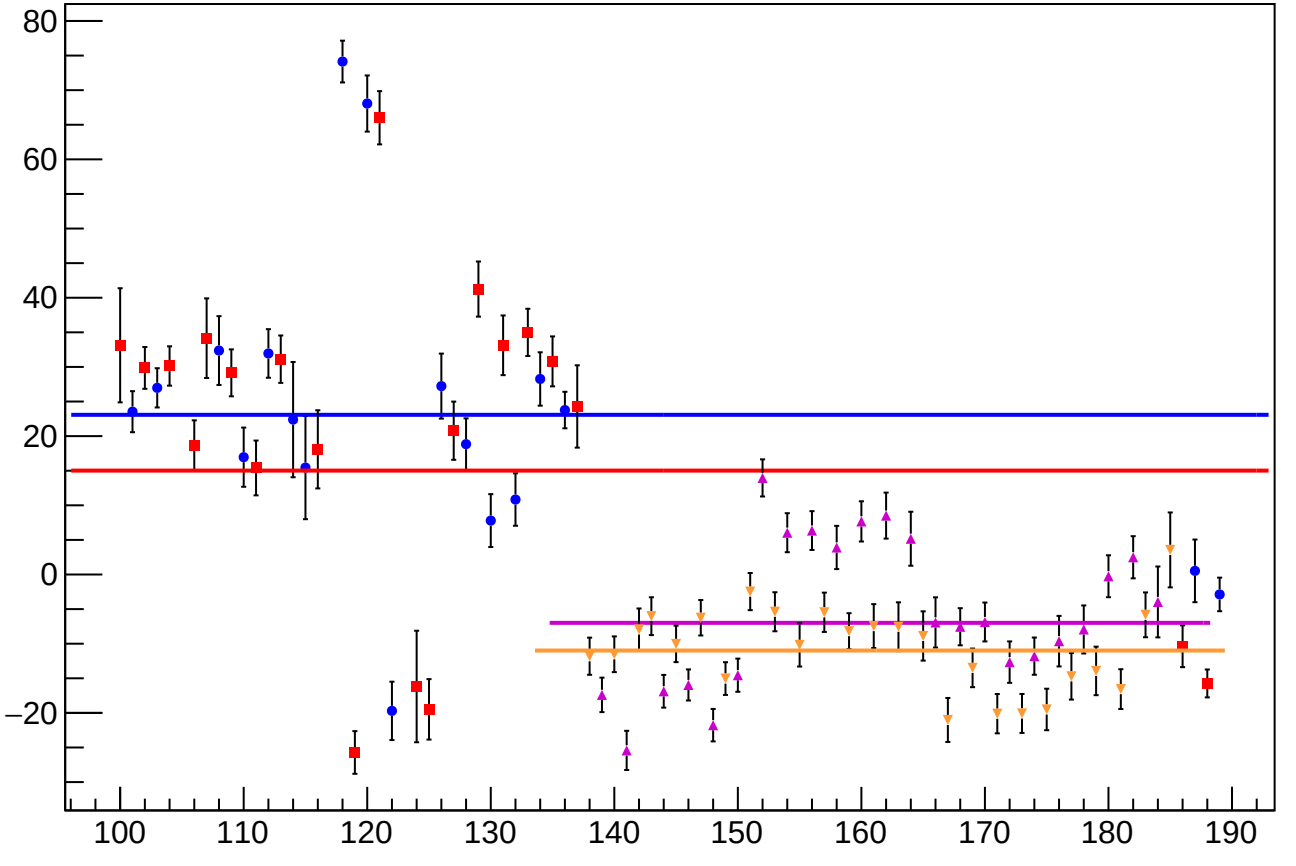
Right: 2180.407+/-0.382 χ^2/NDF: 933693.3/38

In: 2068.391+/-0.291 χ^2/NDF:1602135.5/40

Out: 2073.130+/-0.281 χ^2/NDF:1621304.1/45

All: 2070.847+/-0.202 χ^2/NDF: 3223577.0/86

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 23.080+/-0.858 χ^2/NDF: 696.7/17

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 15.018+/-0.795 χ^2/NDF: 959.0/20

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

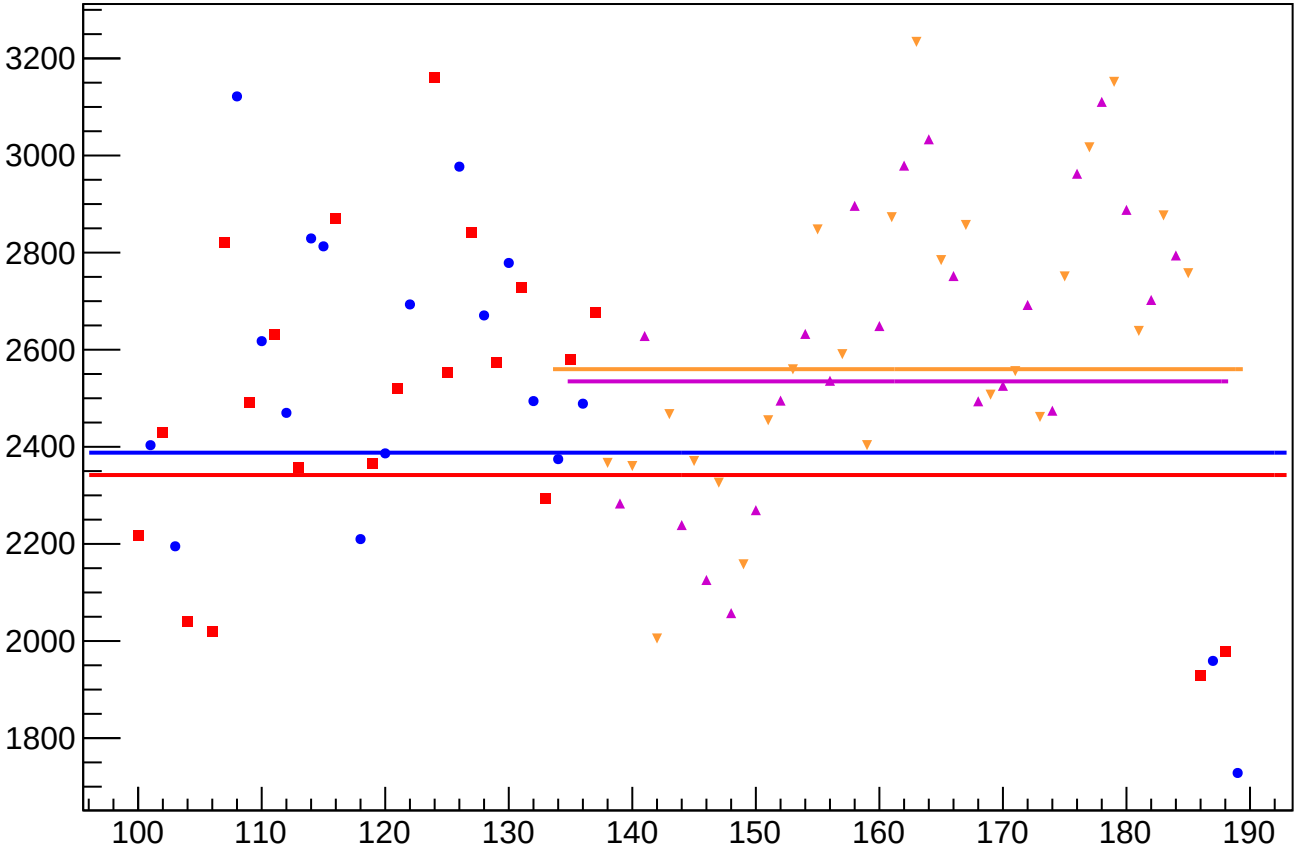
Right: 18.740+/-0.583 χ^2/NDF: 1703.2/38

In: 2.855+/-0.491 χ^2/NDF:1862.1/40

Out: -1.829+/-0.472 χ^2/NDF:1740.2/45

All: 0.419+/-0.340 χ^2/NDF: 3649.6/86

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2387.940+/-0.607 χ^2/NDF: 323468.1/17

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2341.890+/-0.562 χ^2/NDF: 285712.1/20

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

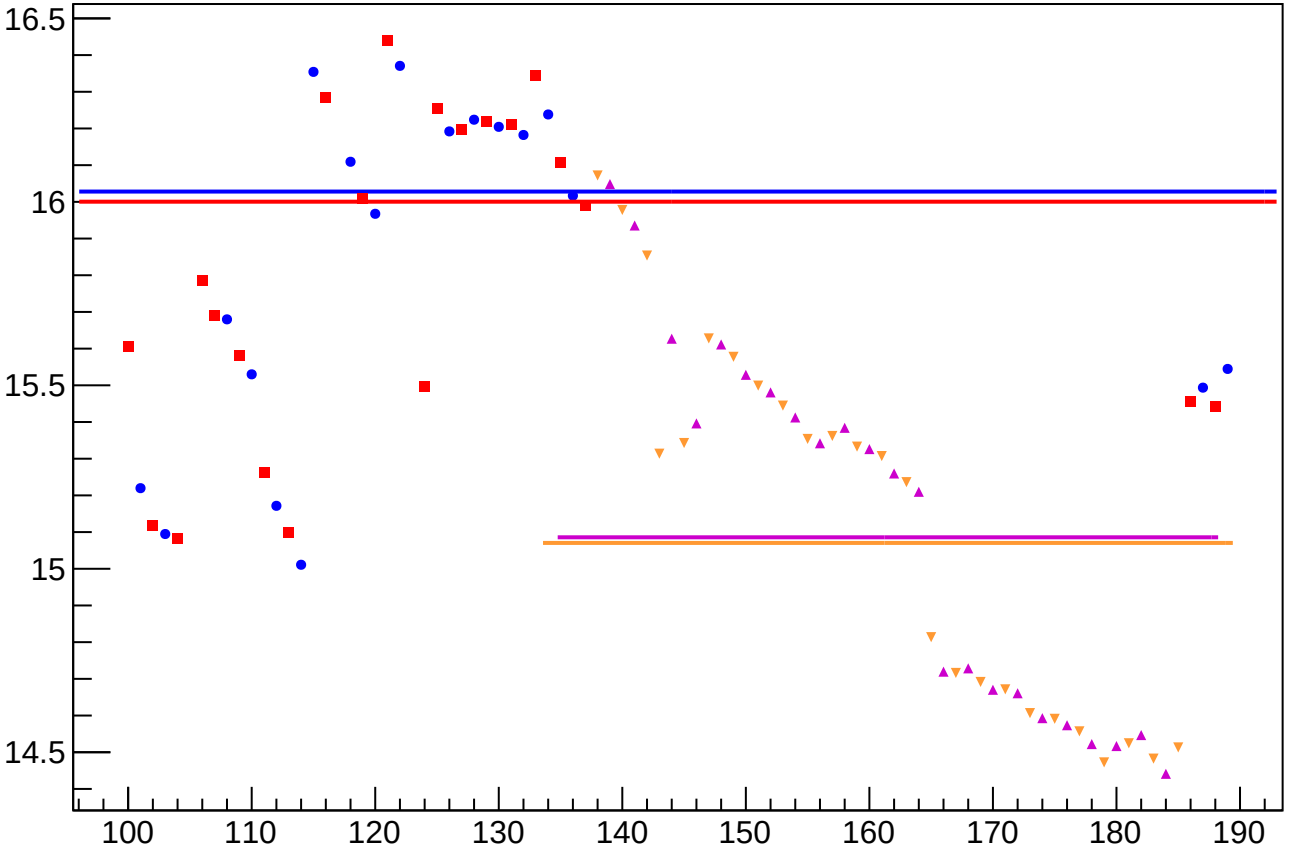
Right: 2363.154+/-0.412 χ^2/NDF: 612280.9/38

In: 2486.724+/-0.347 χ^2/NDF:826494.2/40

Out: 2483.153+/-0.333 χ^2/NDF:833438.0/45

All: 2484.867+/-0.240 χ^2/NDF: 1659987.3/86

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.028+/-0.000 χ^2/NDF: 3101119845.6/17

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 16.000+/-0.000 χ^2/NDF: 4379764967.3/20

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

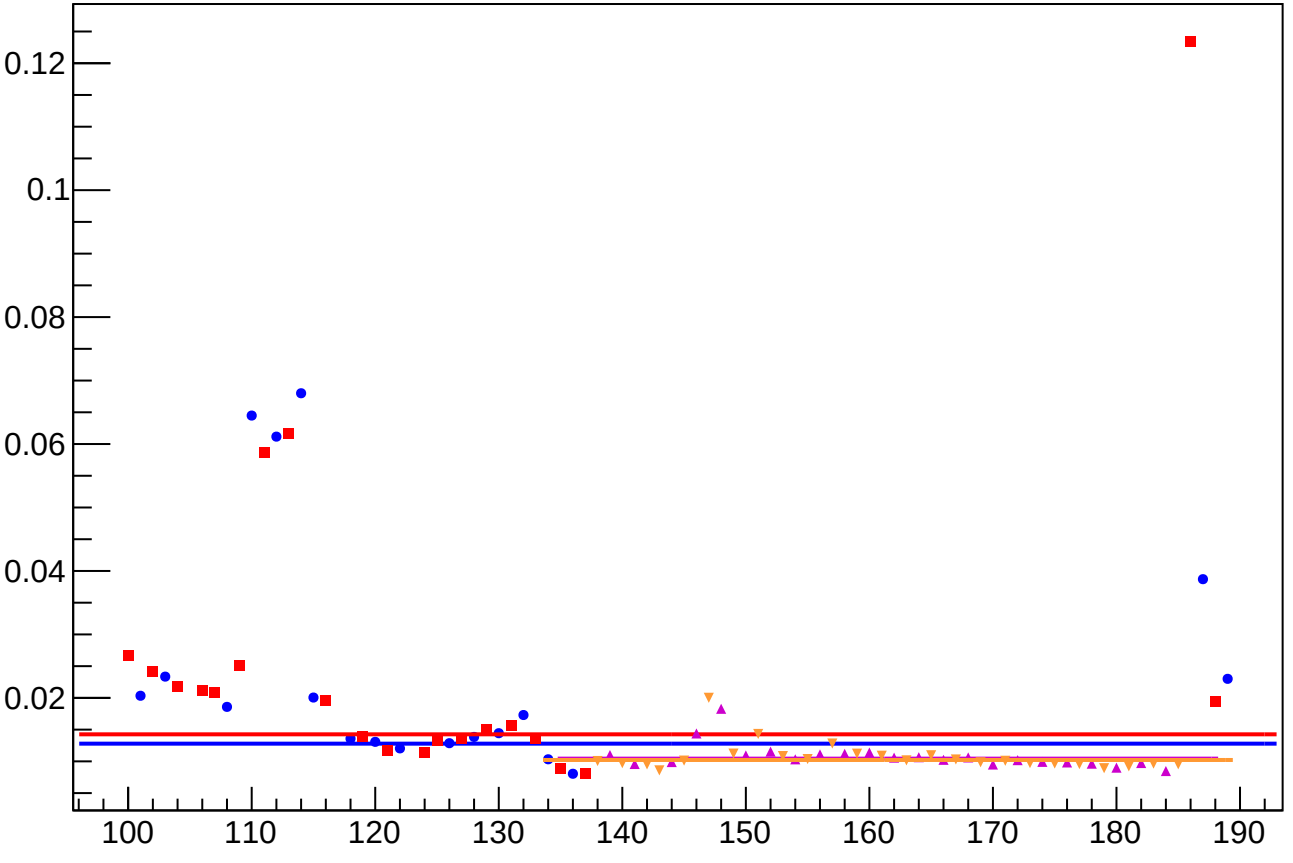
Right: 16.015+/-0.000 χ^2/NDF: 7494028408.4/38

In: 15.263+/-0.000 χ^2/NDF:69029322184.5/40

Out: 15.217+/-0.000 χ^2/NDF:71800391926.7/45

All: 15.240+/-0.000 χ^2/NDF: 141044075076.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2683320.0/17

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2983260.6/20

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

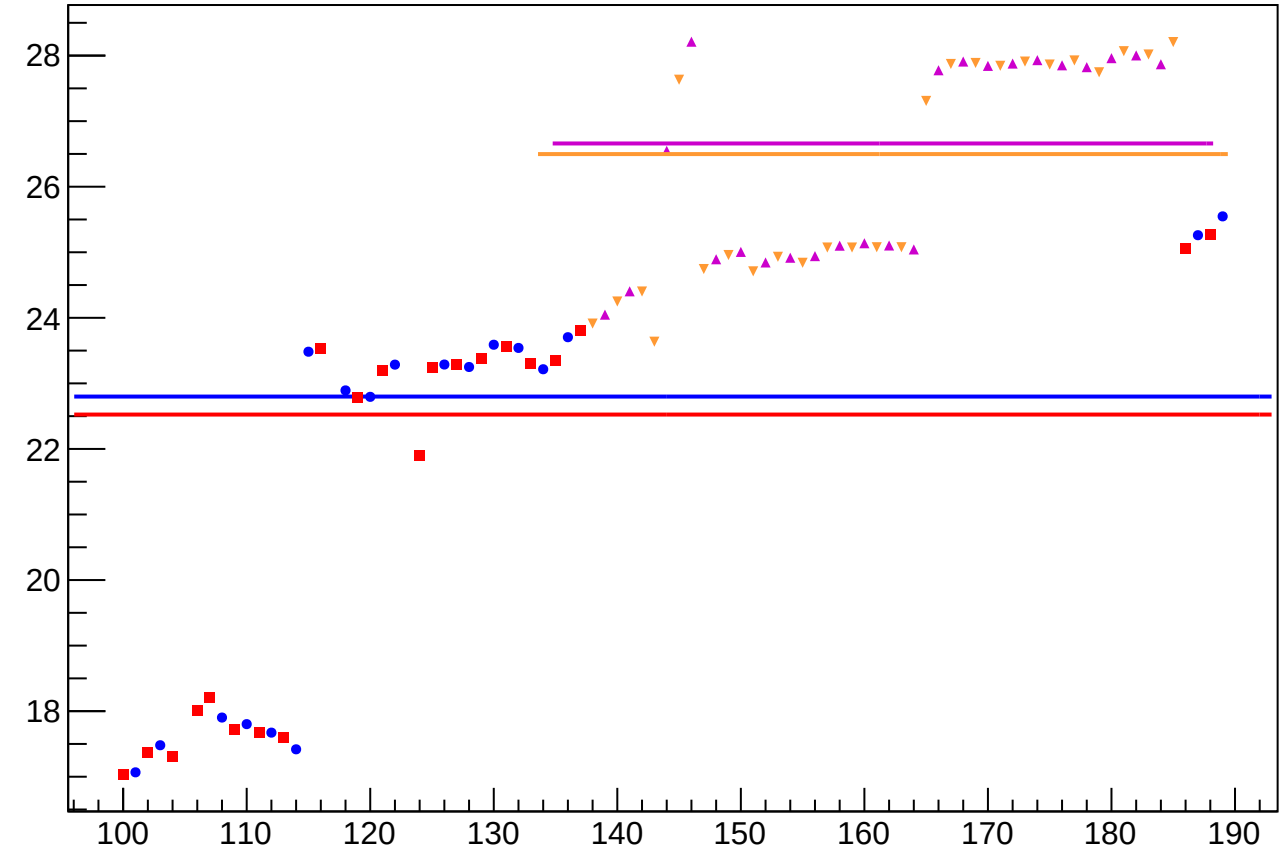
Right: 0.013+/-0.000 χ^2/NDF: 5741197.1/38

In: 0.011+/-0.000 χ^2/NDF:3612632.6/40

Out: 0.011+/-0.000 χ^2/NDF:4639227.4/45

All: 0.011+/-0.000 χ^2/NDF: 8251928.3/86

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.799+/-0.000 χ^2/NDF: 1280015013.9/17

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.524+/-0.000 χ^2/NDF: 1336354423.4/20

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

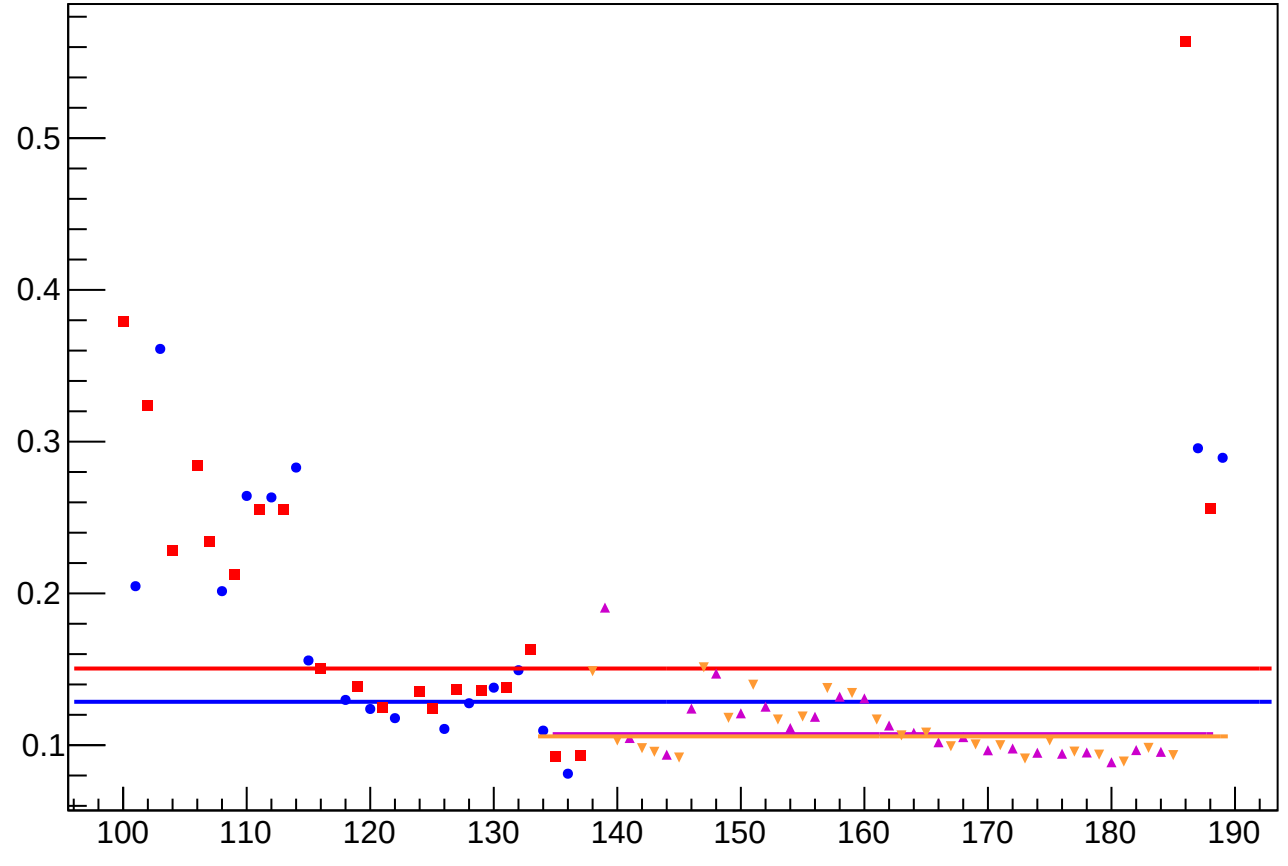
Right: 22.674+/-0.000 χ^2/NDF: 2628453985.5/38

In: 25.867+/-0.000 χ^2/NDF:8331173436.8/40

Out: 25.839+/-0.000 χ^2/NDF:9128259603.1/45

All: 25.852+/-0.000 χ^2/NDF: 17460108109.2

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.129+/-0.000 χ^2/NDF: 2185480.2/17

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.151+/-0.000 χ^2/NDF: 2335460.6/20

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

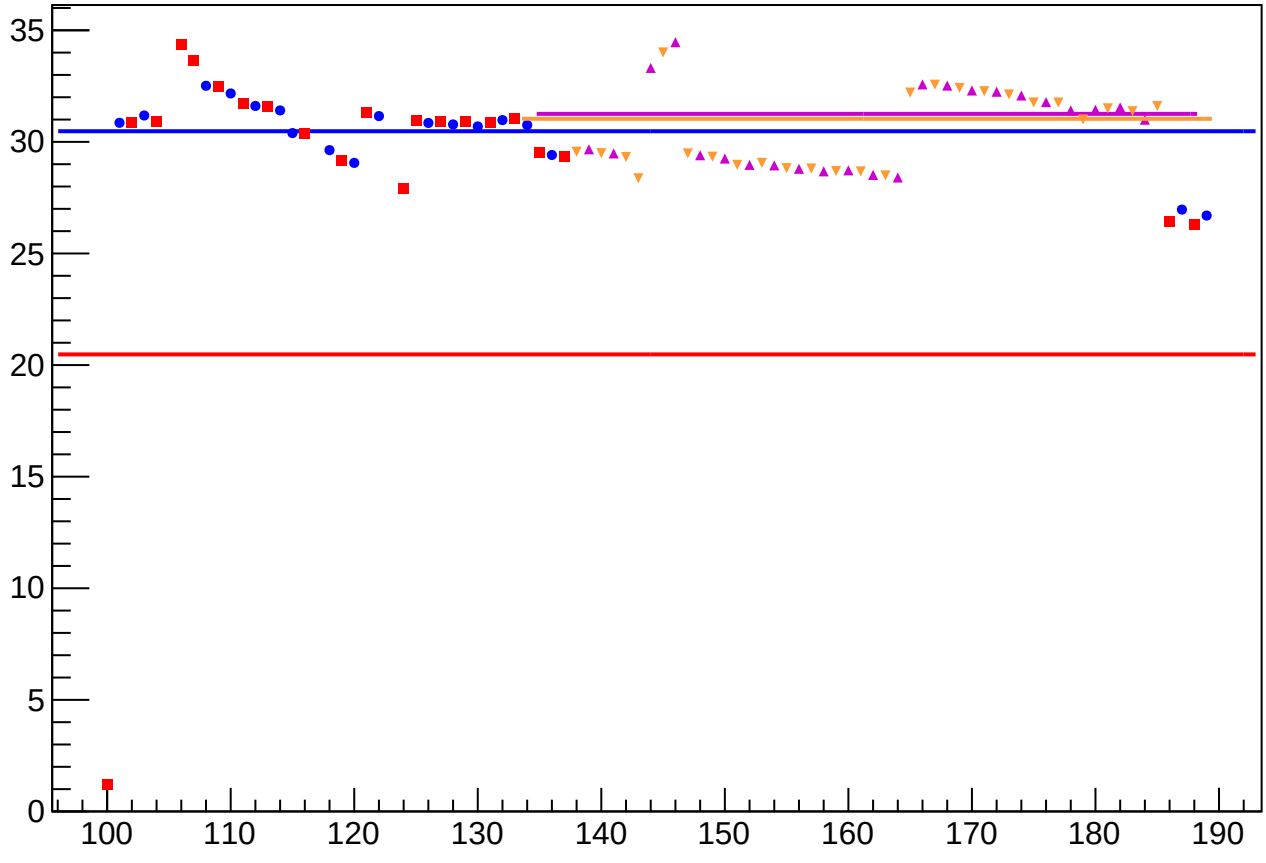
Right: 0.139+/-0.000 χ^2/NDF: 4675167.7/38

In: 0.112+/-0.000 χ^2/NDF:3298752.6/40

Out: 0.113+/-0.000 χ^2/NDF:4075231.8/45

All: 0.112+/-0.000 χ^2/NDF: 7378235.6/86

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.477+/-0.000 χ^2/NDF: 968536297.7/17

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.478+/-0.000 χ^2/NDF: 222951917901.9/20

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

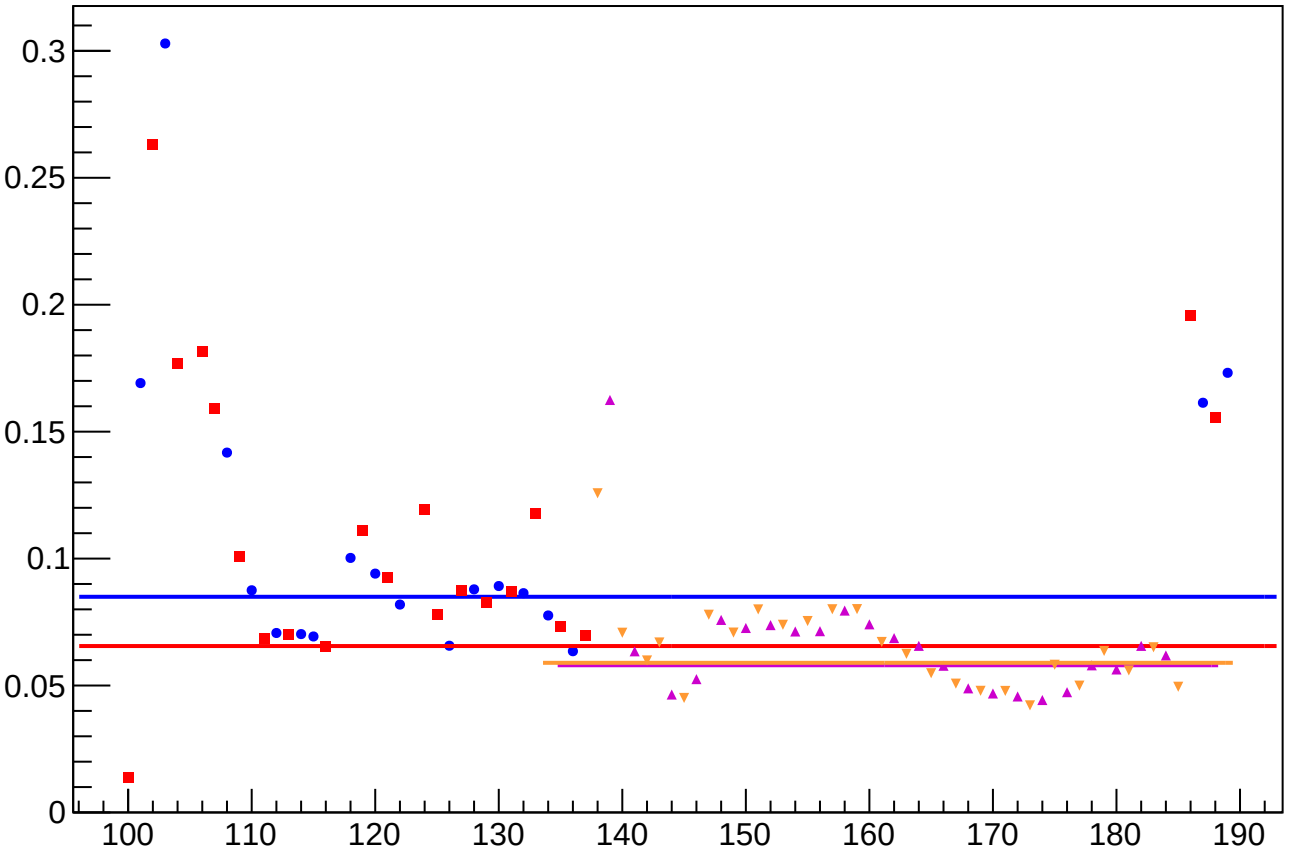
Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

Right: 24.600+/-0.000 χ^2/NDF: 270717893983.9/38

In: 31.130+/-0.000 χ^2/NDF:13962590612.1/40

Out: 28.823+/-0.000 χ^2/NDF:334866945607.1/45

All: 29.921+/-0.000 χ^2/NDF: 362555319580.



Right In: 0.085+/-0.000 χ^2/NDF: 1594849.9/17

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.066+/-0.000 χ^2/NDF: 5002561.0/20

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

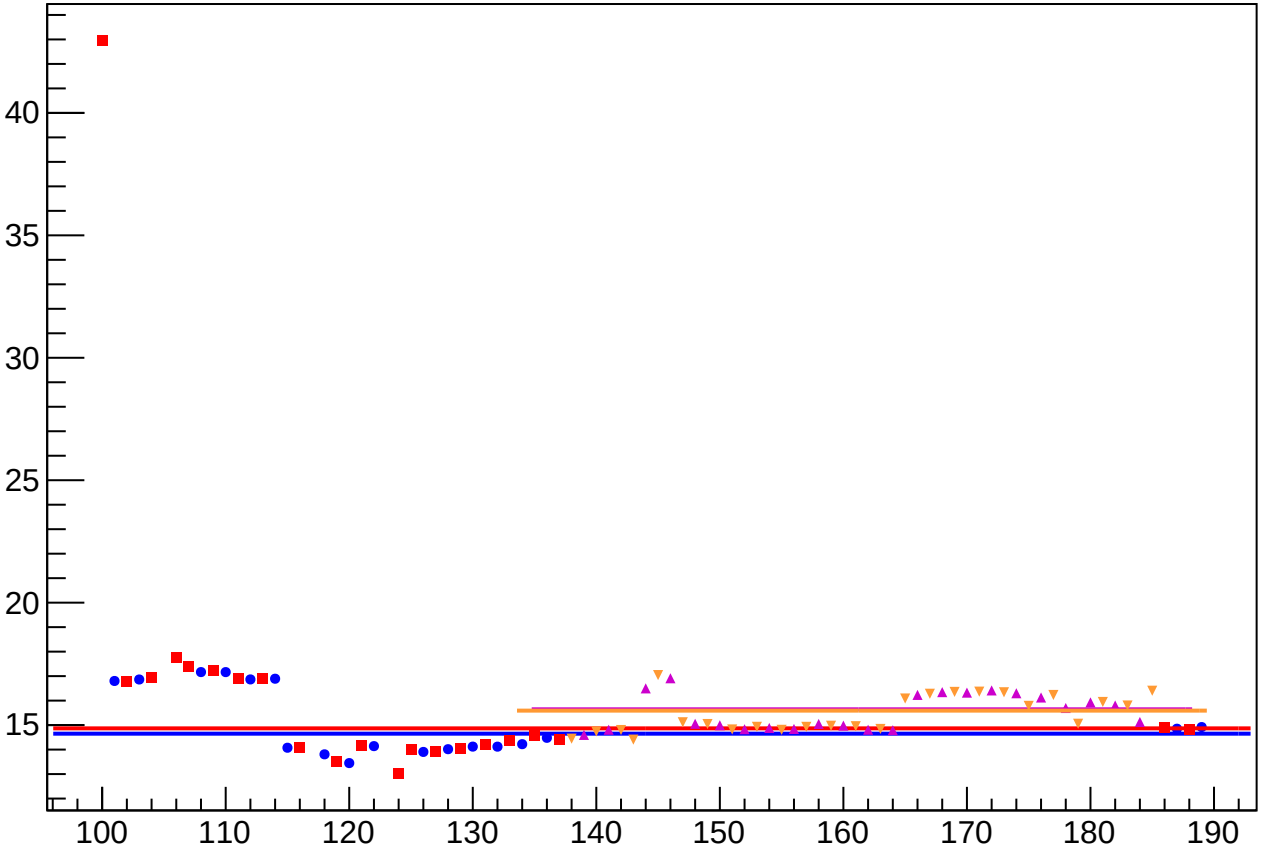
Right: 0.074+/-0.000 χ^2/NDF: 6949818.5/38

In: 0.062+/-0.000 χ^2/NDF:4282362.6/40

Out: 0.060+/-0.000 χ^2/NDF:6617511.0/45

All: 0.061+/-0.000 χ^2/NDF: 10920911.2/86

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.650+/-0.000 χ^2/NDF: 1195248052.6/17

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.866+/-0.000 χ^2/NDF: 1730103232.1/20

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

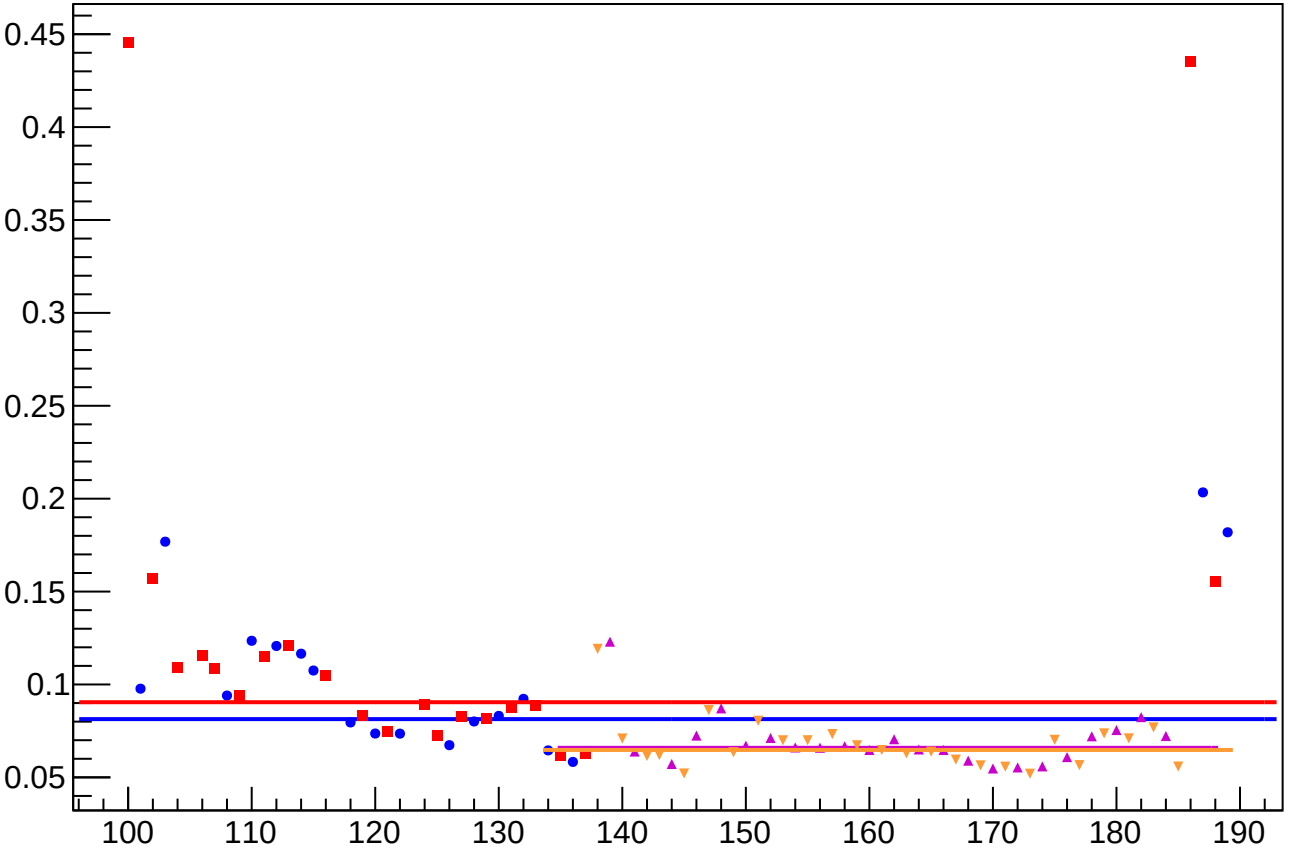
Right: 14.752+/-0.000 χ^2/NDF: 2946638292.8/38

In: 15.435+/-0.000 χ^2/NDF:3801918198.7/40

Out: 15.460+/-0.000 χ^2/NDF:4358063709.4/45

All: 15.448+/-0.000 χ^2/NDF: 8161524908.8/8

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.081+/-0.000 χ^2/NDF: 1370420.4/17

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.090+/-0.000 χ^2/NDF: 1632266.4/20

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

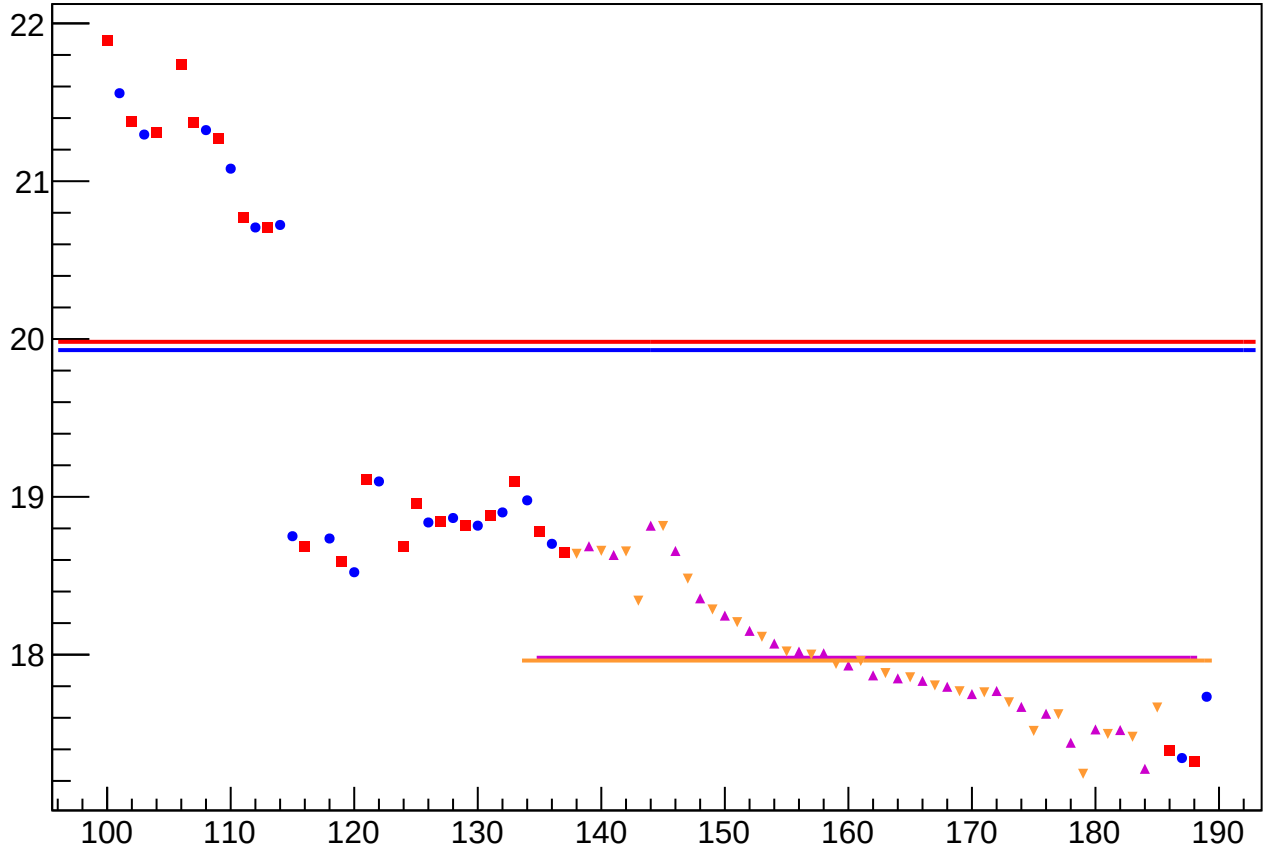
Right: 0.086+/-0.000 χ^2/NDF: 3077794.1/38

In: 0.069+/-0.000 χ^2/NDF:2519885.5/40

Out: 0.069+/-0.000 χ^2/NDF:3419732.3/45

All: 0.069+/-0.000 χ^2/NDF: 5939874.4/86

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.930+/-0.000 χ^2/NDF: 11939624232.0/17

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.982+/-0.000 χ^2/NDF: 13989698753.9/20

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

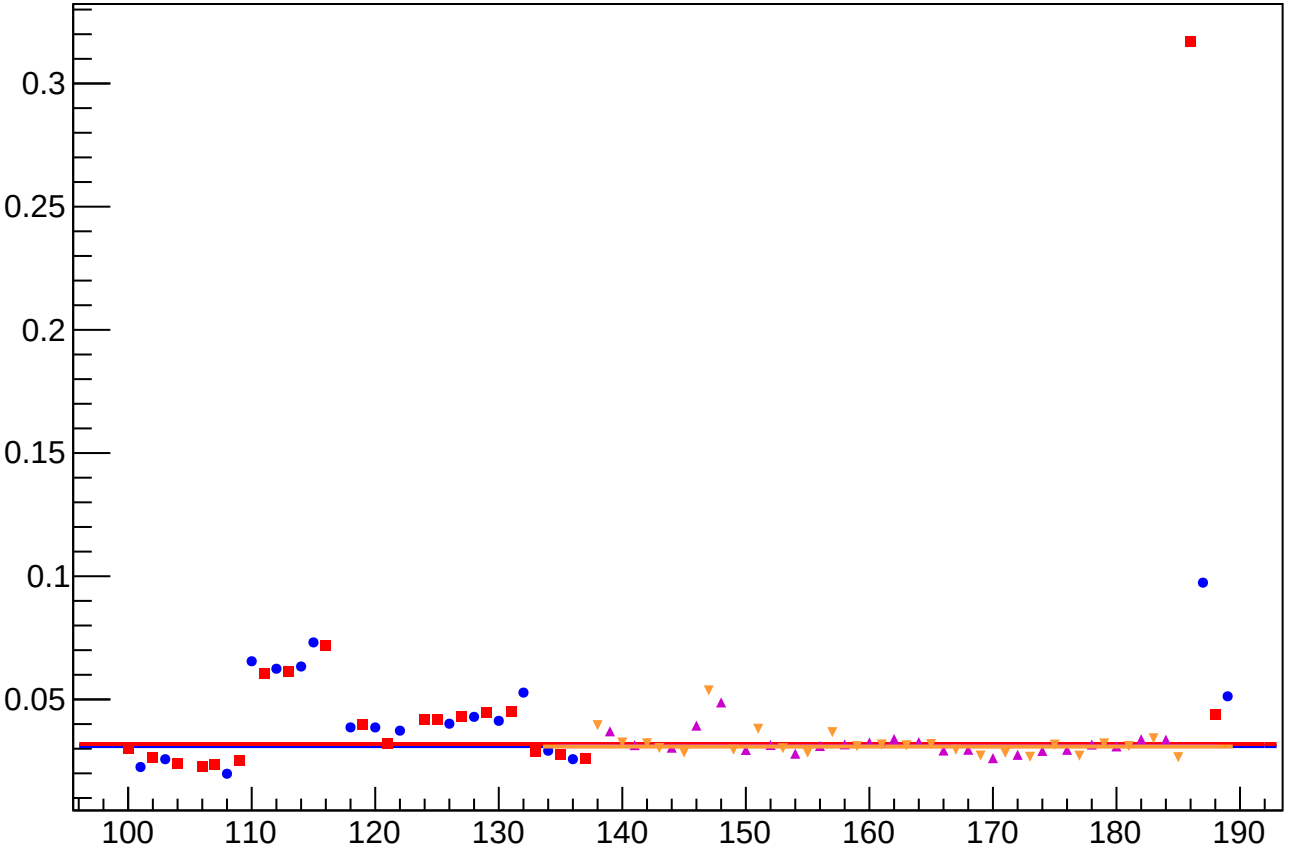
Right: 19.957+/-0.000 χ^2/NDF: 25938747046.5/38

In: 18.512+/-0.000 χ^2/NDF:33187147708.9/40

Out: 18.502+/-0.000 χ^2/NDF:37927417948.8/45

All: 18.507+/-0.000 χ^2/NDF: 71115895661.8

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 1774024.7/17

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.032+/-0.000 χ^2/NDF: 1970701.3/20

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

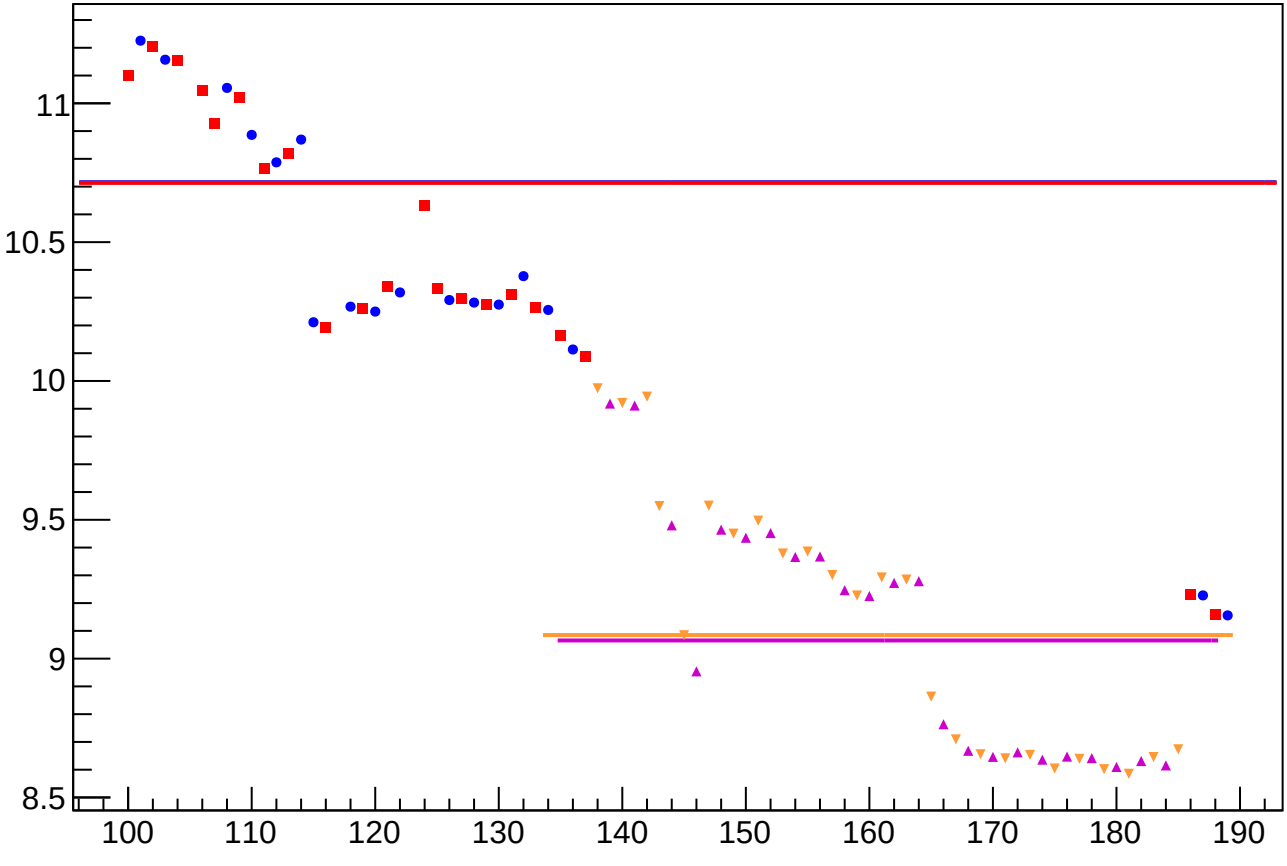
Right: 0.031+/-0.000 χ^2/NDF: 3749586.0/38

In: 0.031+/-0.000 χ^2/NDF:2256995.7/40

Out: 0.031+/-0.000 χ^2/NDF:2614810.1/45

All: 0.031+/-0.000 χ^2/NDF: 4871856.1/86

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.716+/-0.000 χ^2/NDF: 6688053848.5/17

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.713+/-0.000 χ^2/NDF: 5941532630.1/20

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

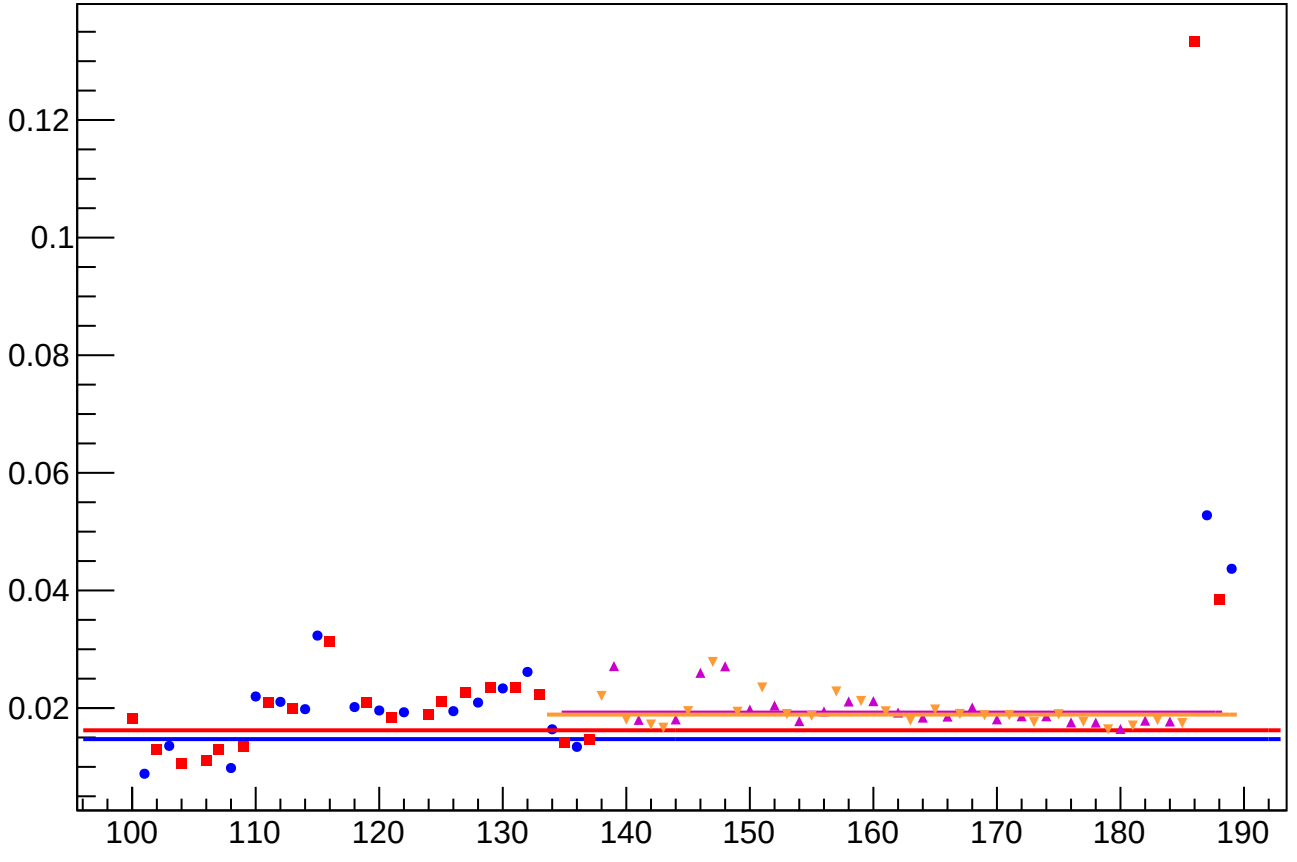
Right: 10.715+/-0.000 χ^2/NDF: 12629651302.2/38

In: 9.700+/-0.000 χ^2/NDF:61622304060.1/40

Out: 9.650+/-0.000 χ^2/NDF:61464598547.5/45

All: 9.674+/-0.000 χ^2/NDF: 123179698763.9

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 2129606.6/17

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 2313688.9/20

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

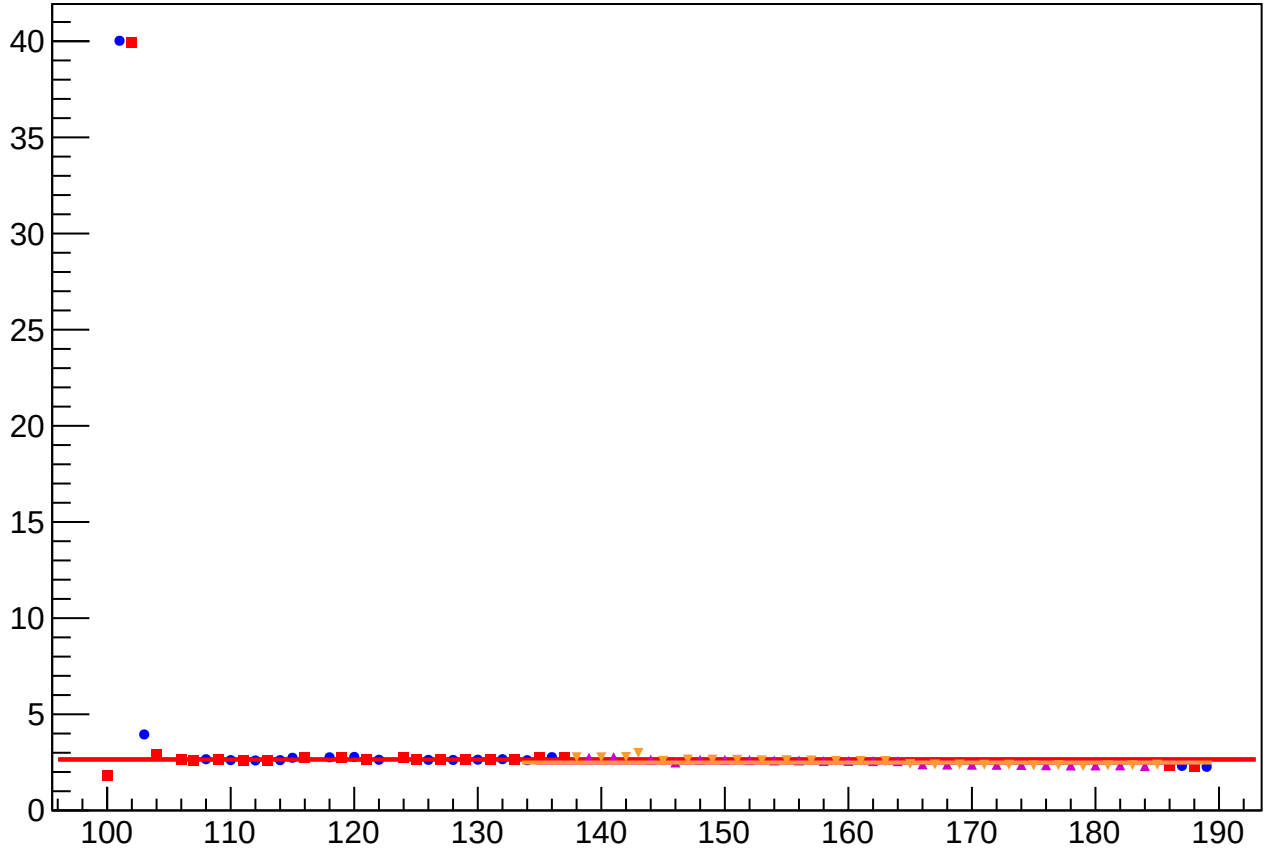
Right: 0.015+/-0.000 χ^2/NDF: 4504213.4/38

In: 0.017+/-0.000 χ^2/NDF:3370565.9/40

Out: 0.018+/-0.000 χ^2/NDF:2998976.3/45

All: 0.018+/-0.000 χ^2/NDF: 6385895.8/86

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.658+/-0.000 χ^2/NDF: 70935329661.0/17

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.644+/-0.000 χ^2/NDF: 71271646657.3/20

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

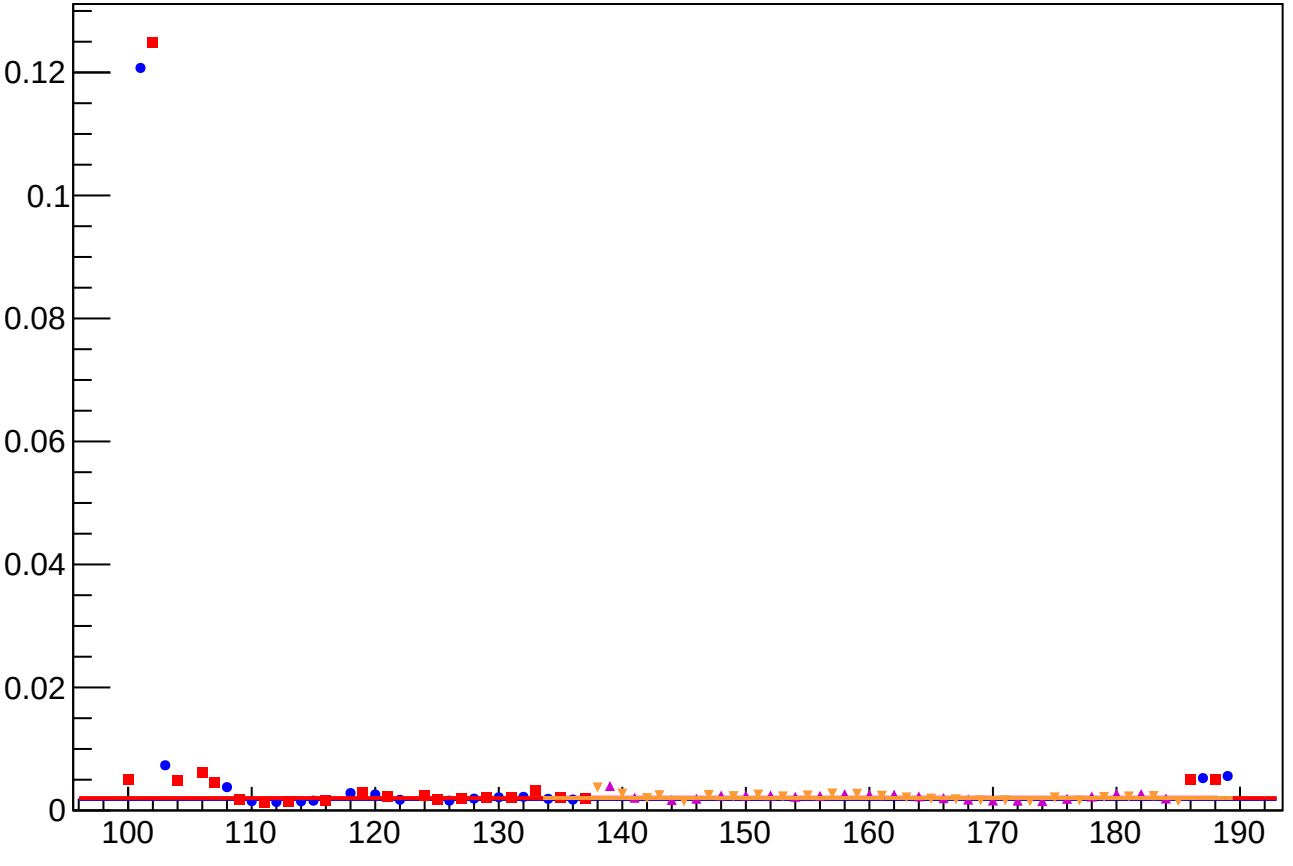
Right: 2.651+/-0.000 χ^2/NDF: 142355239422.9/38

In: 2.539+/-0.000 χ^2/NDF:161680904971.9/40

Out: 2.534+/-0.000 χ^2/NDF:188076173571.8/45

All: 2.536+/-0.000 χ^2/NDF: 349833153205.1

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2406888.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3490851.3/20

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

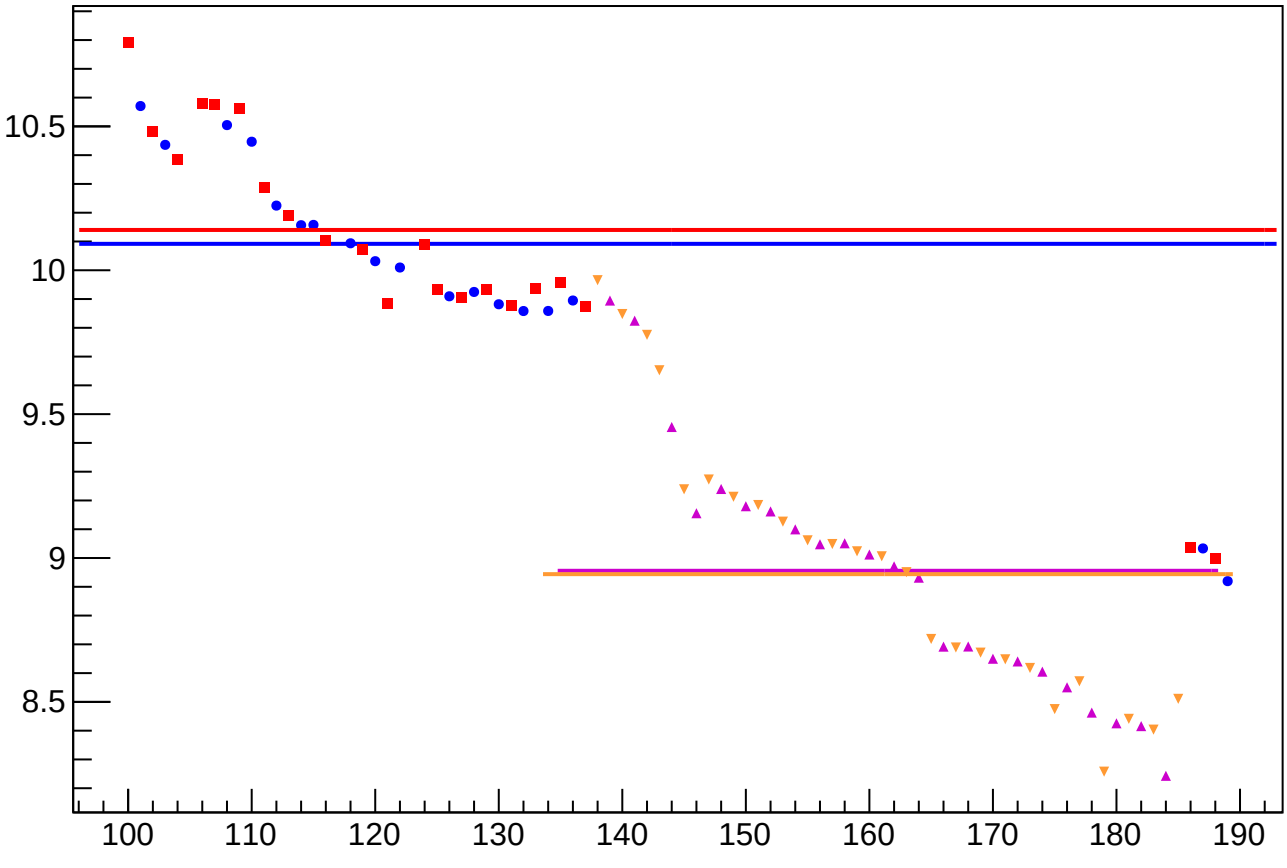
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.002+/-0.000 χ^2/NDF: 5926812.2/38

In: 0.002+/-0.000 χ^2/NDF:3888837.9/40

Out: 0.002+/-0.000 χ^2/NDF:5047750.9/45

All: 0.002+/-0.000 χ^2/NDF: 8937473.9/86



Right In: 10.092+/-0.000 χ^2/NDF: 12236429059.8/17

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.140+/-0.000 χ^2/NDF: 15977352193.1/20

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

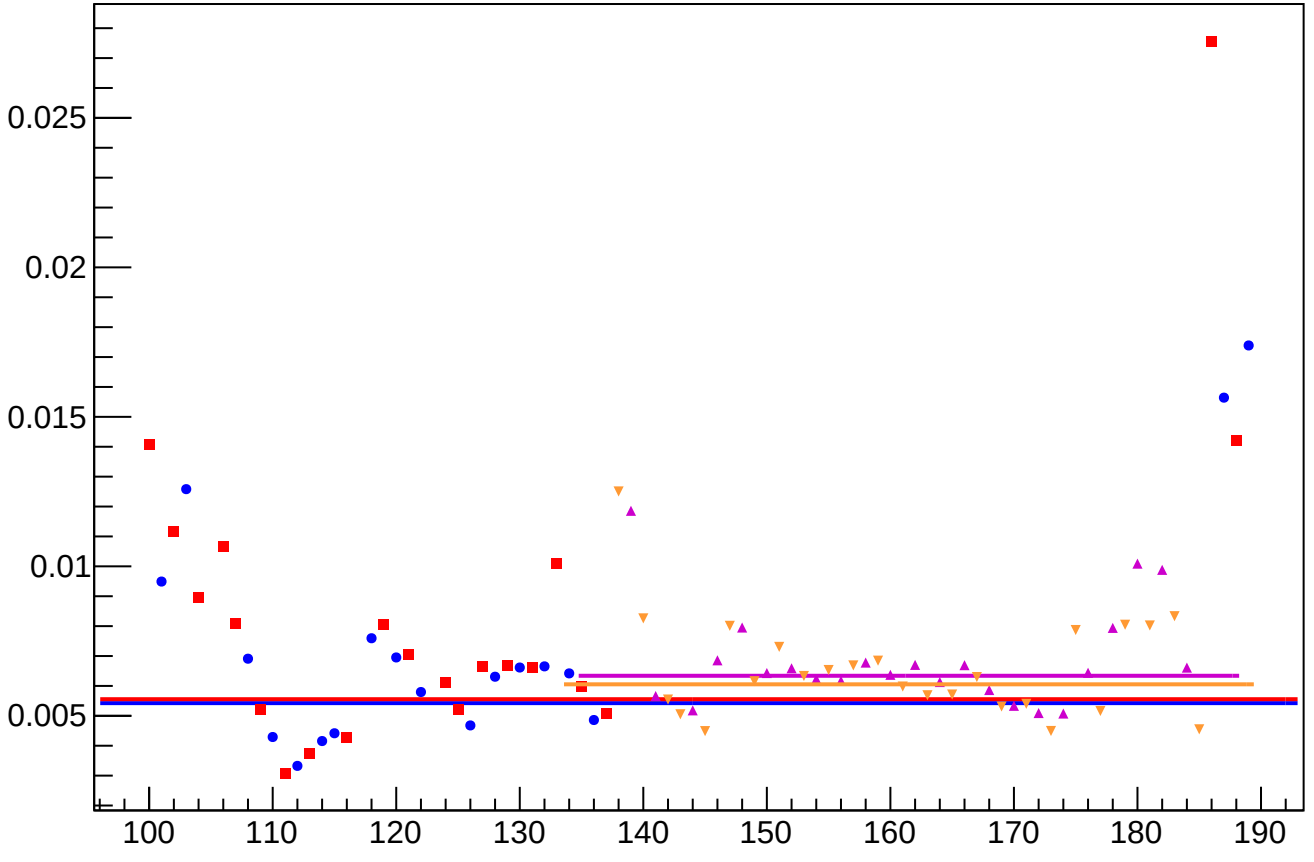
Right: 10.116+/-0.000 χ^2/NDF: 28445255755.4/38

In: 9.354+/-0.000 χ^2/NDF:227877935740.8/40

Out: 9.335+/-0.000 χ^2/NDF:276481877775.8/45

All: 9.344+/-0.000 χ^2/NDF: 504473980572.6

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1903883.5/17

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3022469.5/20

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

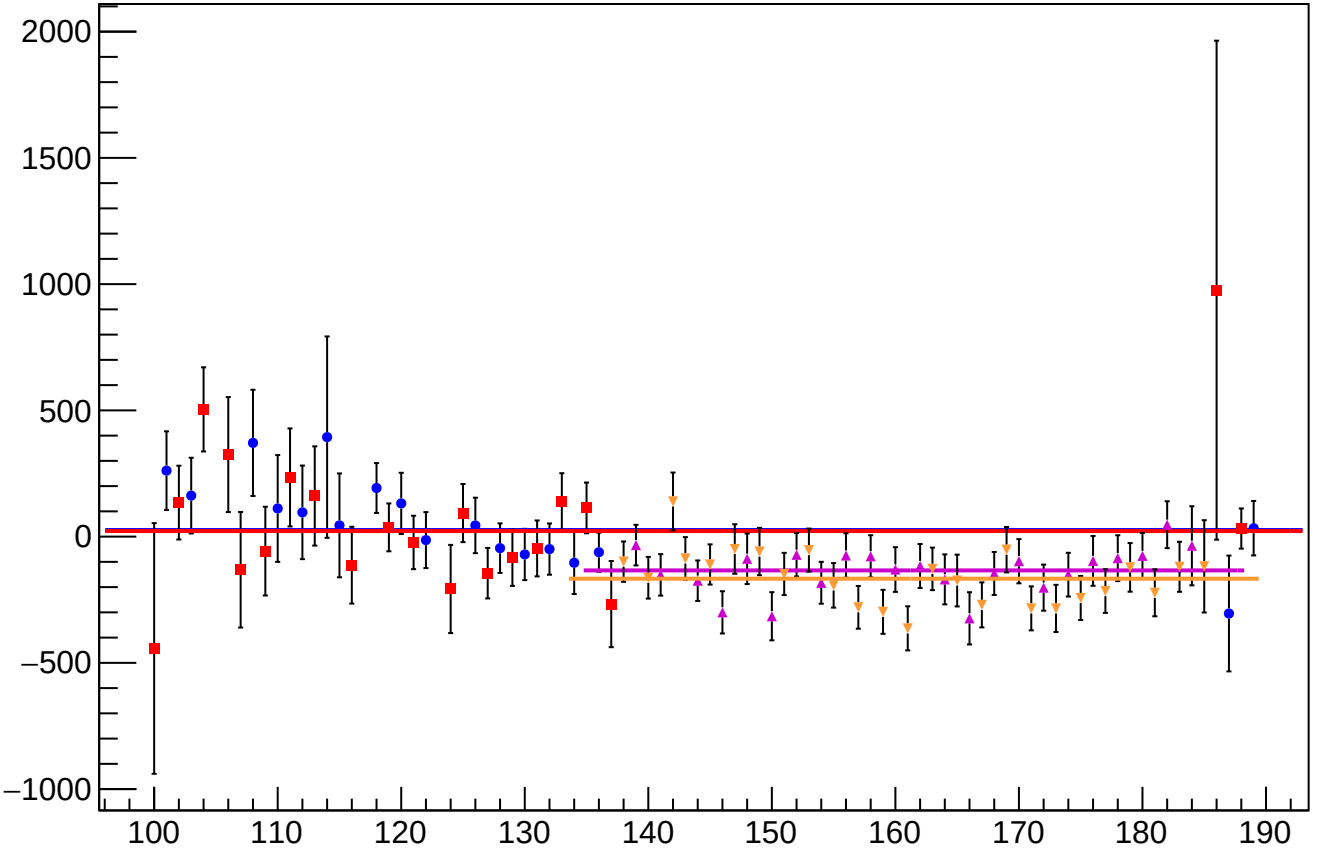
Right: 0.005+/-0.000 χ^2/NDF: 4929790.5/38

In: 0.006+/-0.000 χ^2/NDF:3291951.4/40

Out: 0.006+/-0.000 χ^2/NDF:4550871.9/45

All: 0.006+/-0.000 χ^2/NDF: 7852328.8/86

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 25.901+/-29.359 χ^2/NDF: 17.2/17

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 22.031+/-28.920 χ^2/NDF: 26.9/20

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

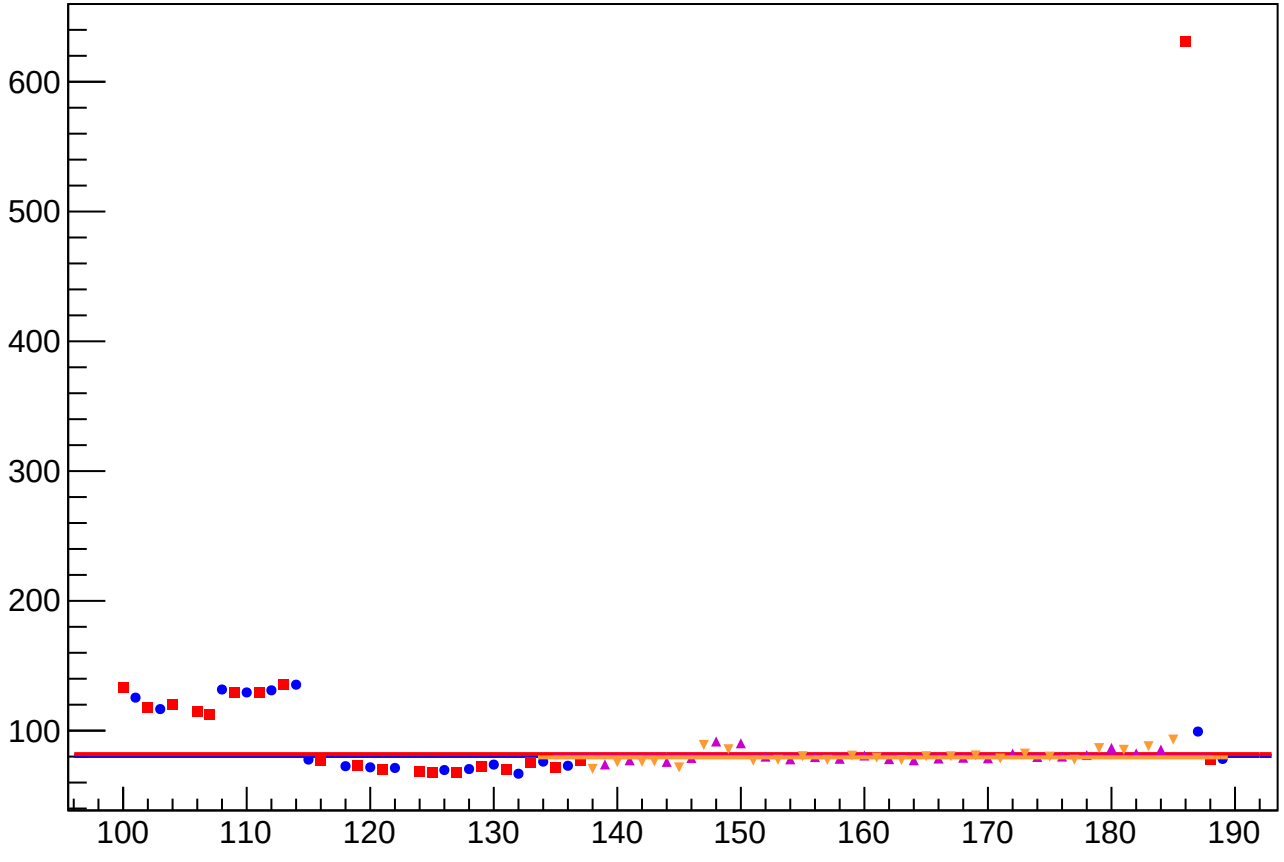
Right: 23.937+/-20.603 χ^2/NDF: 44.1/38

In: -87.544+/-15.806 χ^2/NDF:59.0/40

Out: -113.651+/-15.330 χ^2/NDF:89.1/45

All: -100.997+/-11.004 χ^2/NDF: 149.5/86

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.505+/-0.021 χ^2/NDF: 854422.5/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 81.922+/-0.020 χ^2/NDF: 1554865.4/20

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

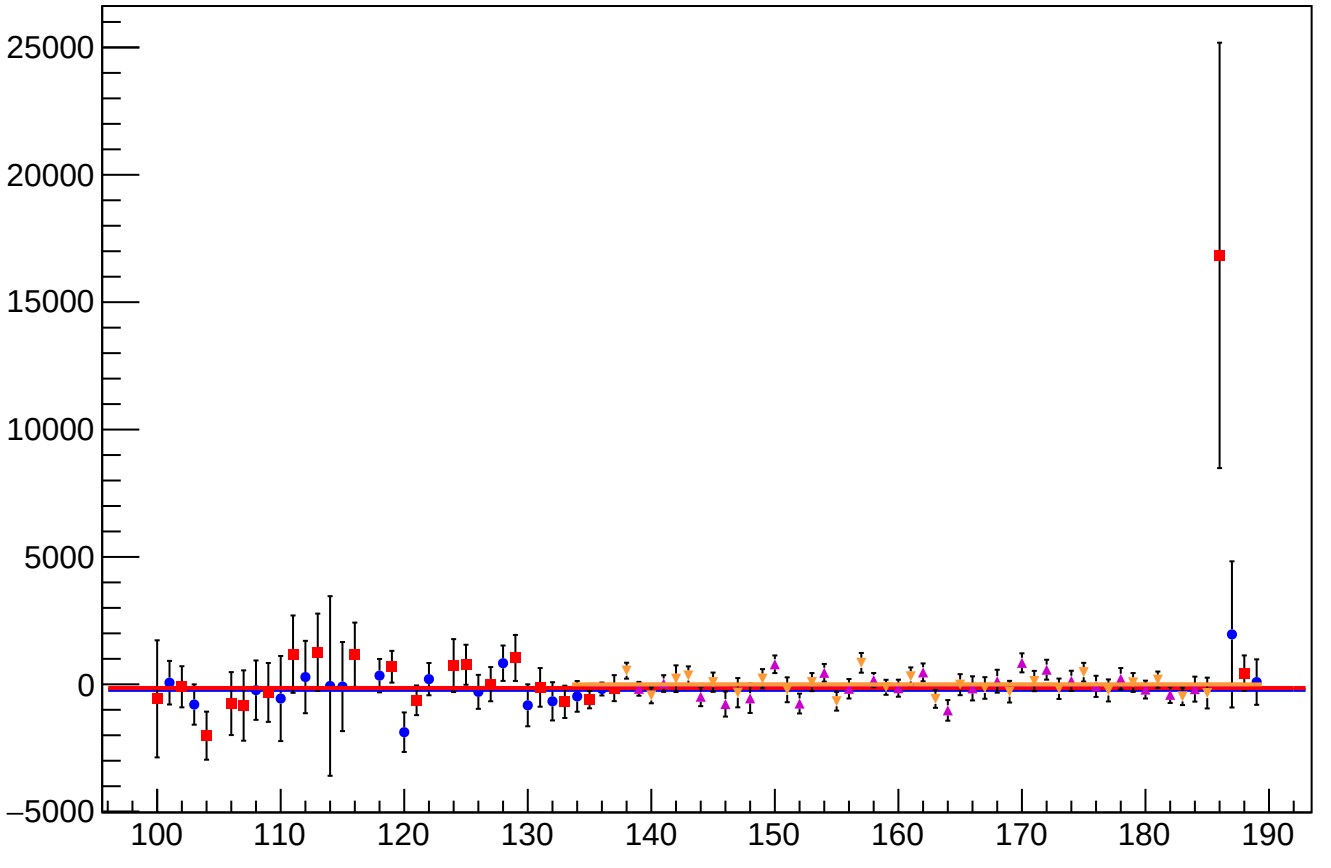
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 81.224+/-0.015 χ^2/NDF: 2411650.2/38

In: 80.260+/-0.011 χ^2/NDF:946088.4/40

Out: 80.116+/-0.011 χ^2/NDF:1700504.6/45

All: 80.186+/-0.008 χ^2/NDF: 2646678.7/86



Right In: -218.115+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -143.849+/-165.406 χ^2/NDF: 20.9/20

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

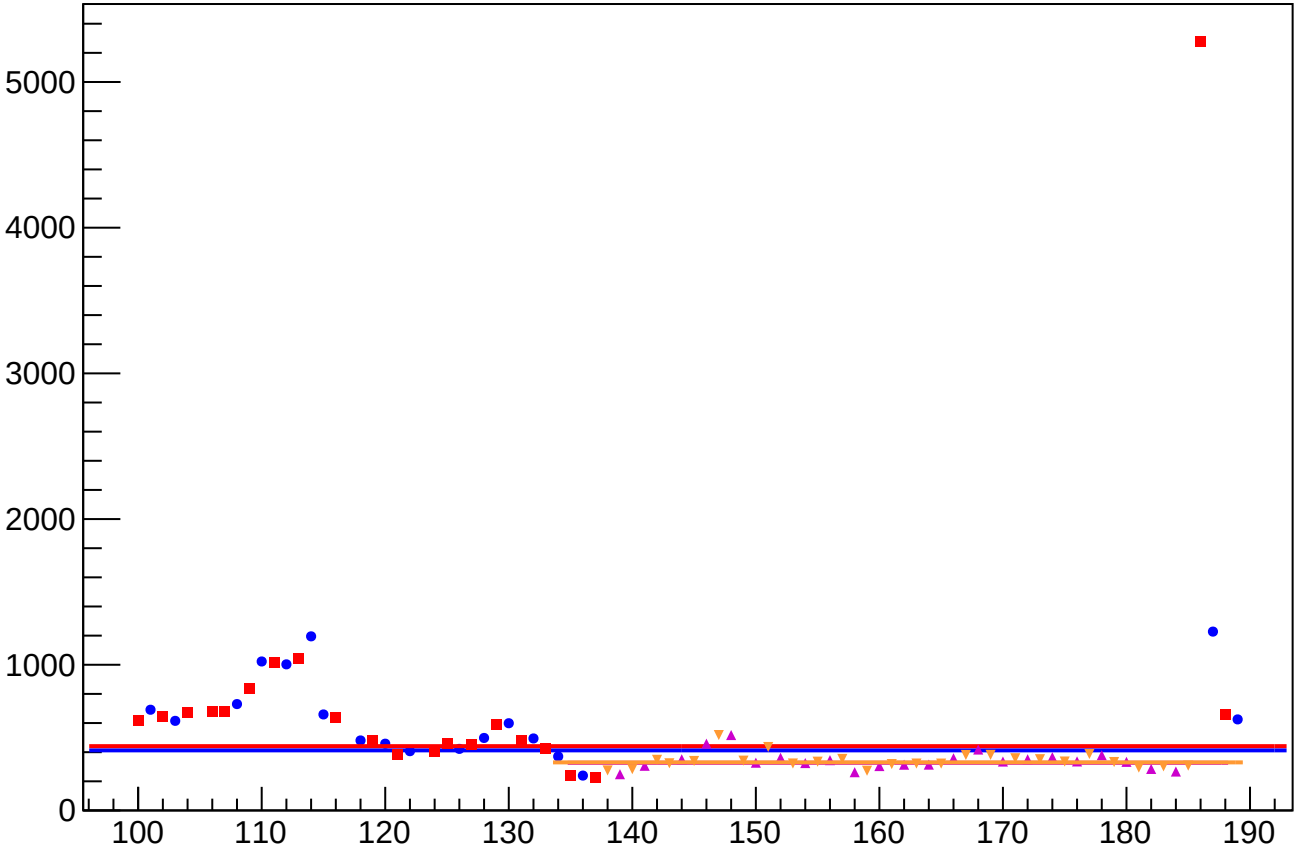
Right: -182.026+/-115.304 χ^2/NDF: 31.6/38

In: -56.800+/-69.846 χ^2/NDF:46.9/40

Out: -27.871+/-68.956 χ^2/NDF:45.5/45

All: -42.150+/-49.071 χ^2/NDF: 92.5/86

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 412.473+/-0.114 χ^2/NDF: 2642198.4/17

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 441.359+/-0.117 χ^2/NDF: 3258105.9/20

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

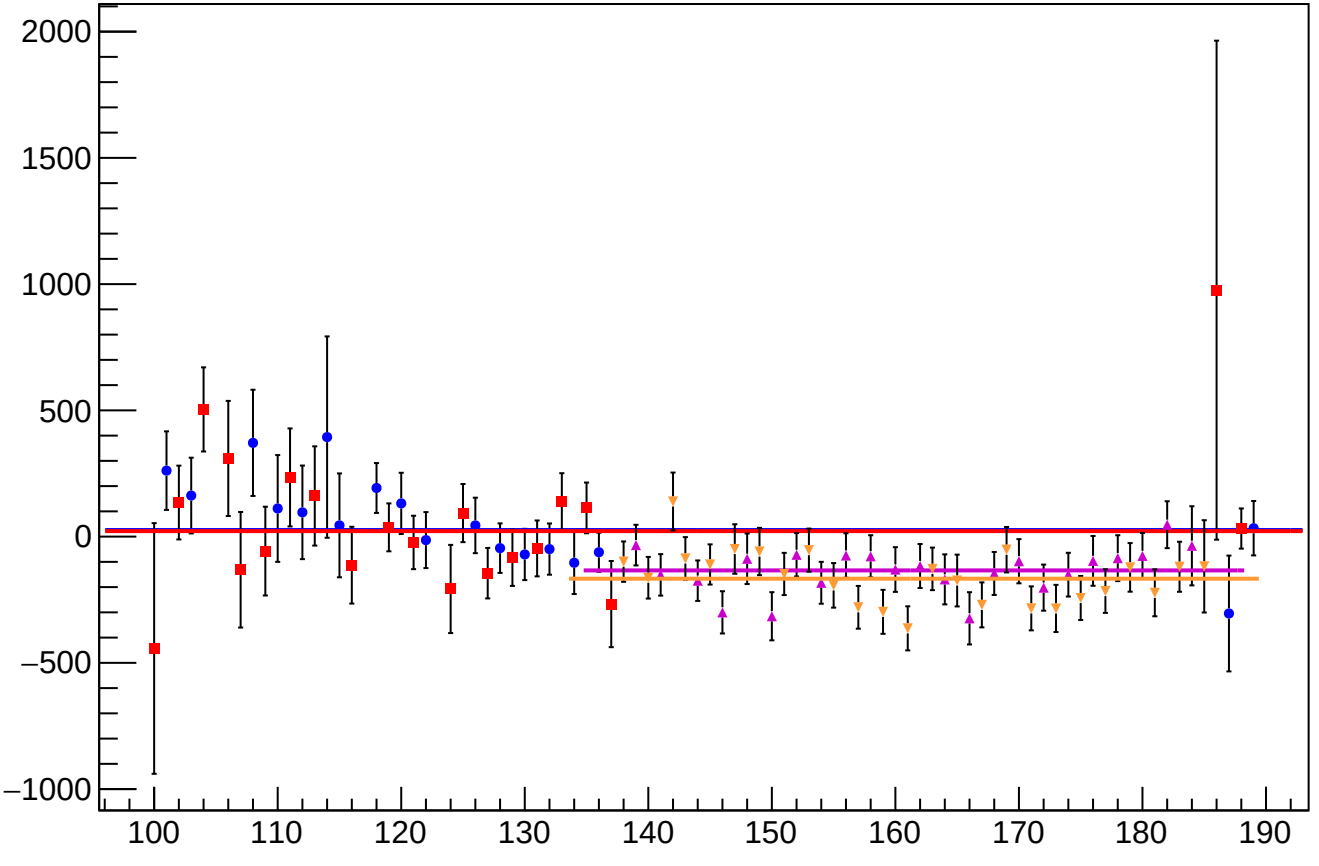
Right: 426.510+/-0.082 χ^2/NDF: 5931659.5/38

In: 343.092+/-0.049 χ^2/NDF:4000296.1/40

Out: 349.327+/-0.049 χ^2/NDF:4666750.6/45

All: 346.250+/-0.035 χ^2/NDF: 8675117.3/86

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 25.911+/-29.359 χ^2/NDF: 17.2/17

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 21.777+/-28.920 χ^2/NDF: 26.7/20

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

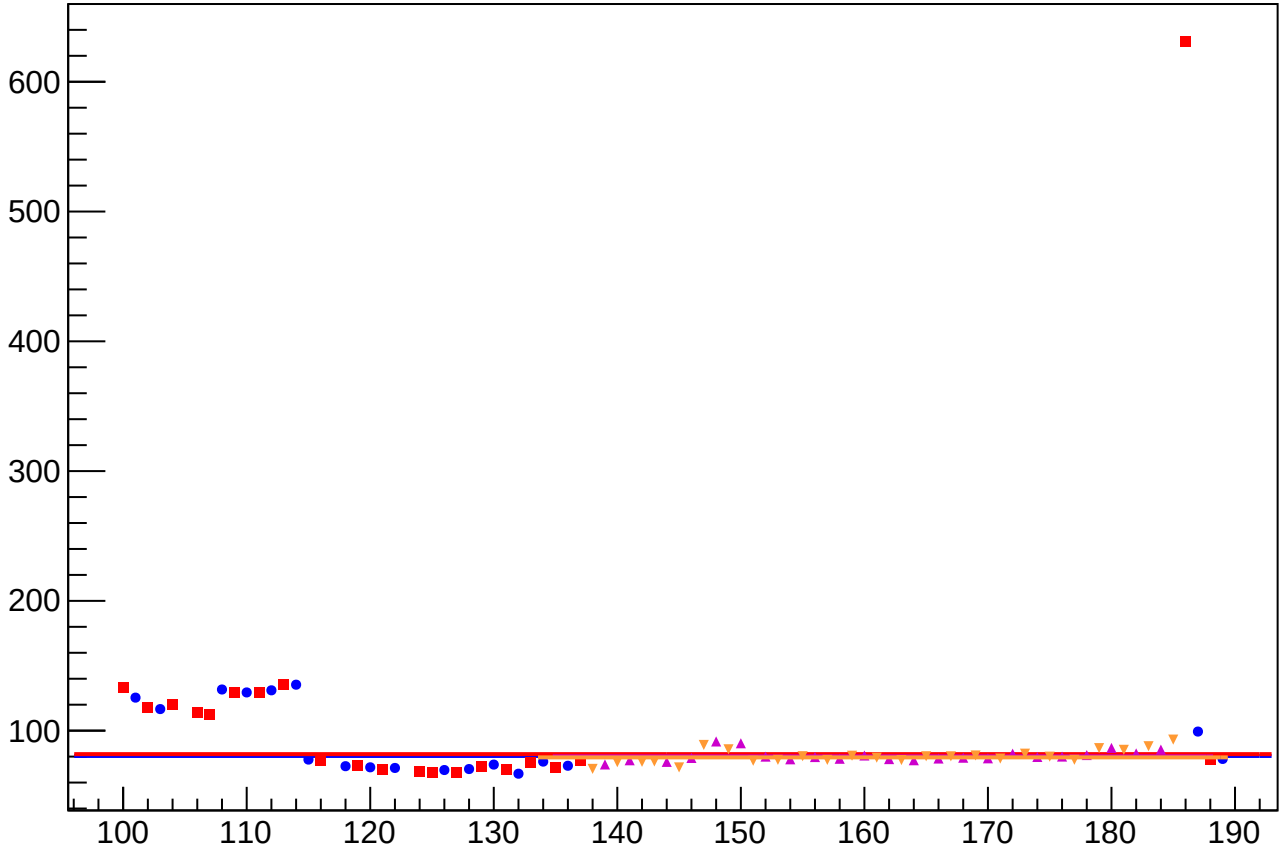
Right: 23.813+/-20.603 χ^2/NDF: 43.9/38

In: -87.546+/-15.806 χ^2/NDF:59.0/40

Out: -113.724+/-15.330 χ^2/NDF:88.8/45

All: -101.035+/-11.004 χ^2/NDF: 149.2/86

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.505+/-0.021 χ^2/NDF: 854422.7/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.909+/-0.020 χ^2/NDF: 1552989.8/20

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

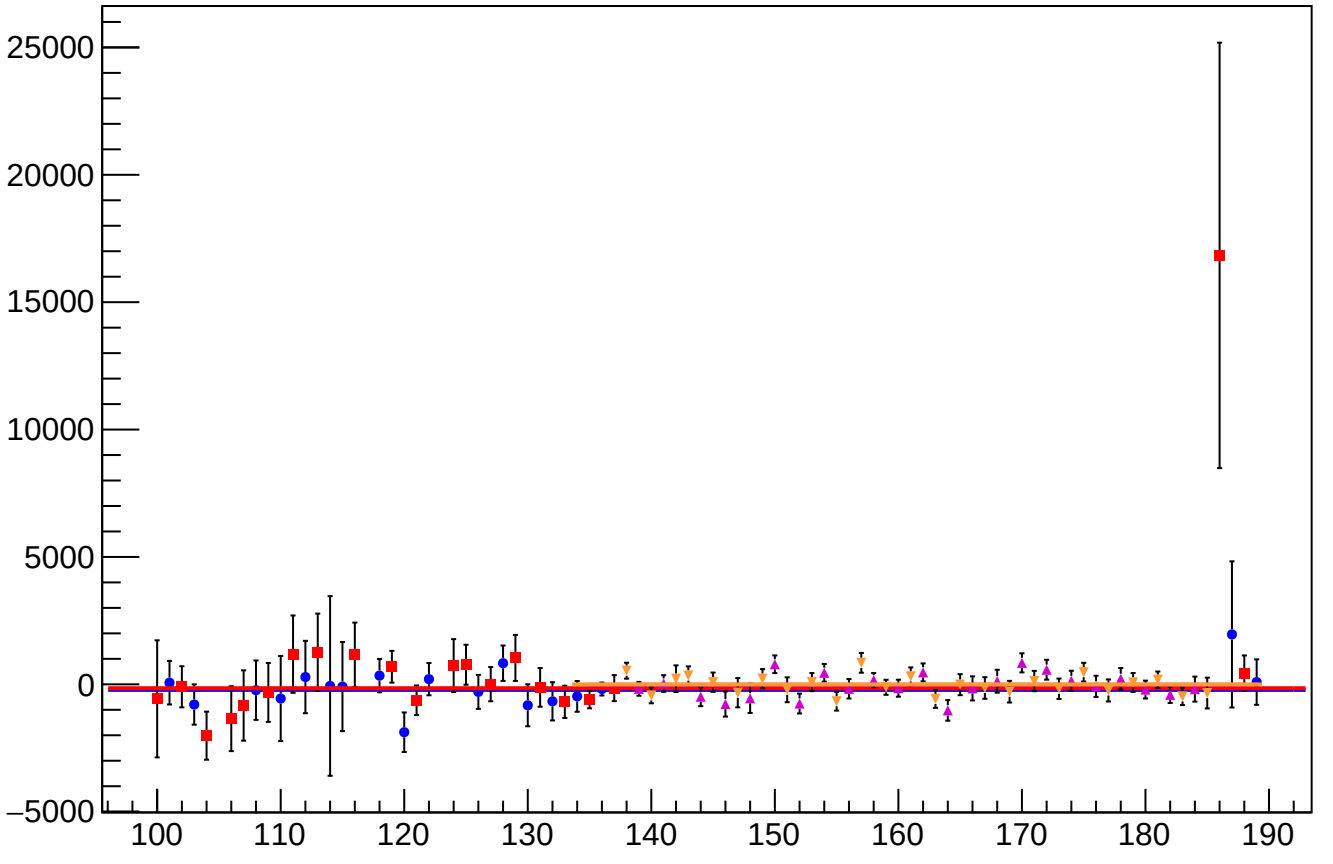
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.217+/-0.015 χ^2/NDF: 2409731.3/38

In: 80.260+/-0.011 χ^2/NDF:946088.6/40

Out: 80.112+/-0.011 χ^2/NDF:1698516.3/45

All: 80.184+/-0.008 χ^2/NDF: 2644695.0/86



Right In: -218.113+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -153.188+/-165.495 χ^2/NDF: 21.5/20

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

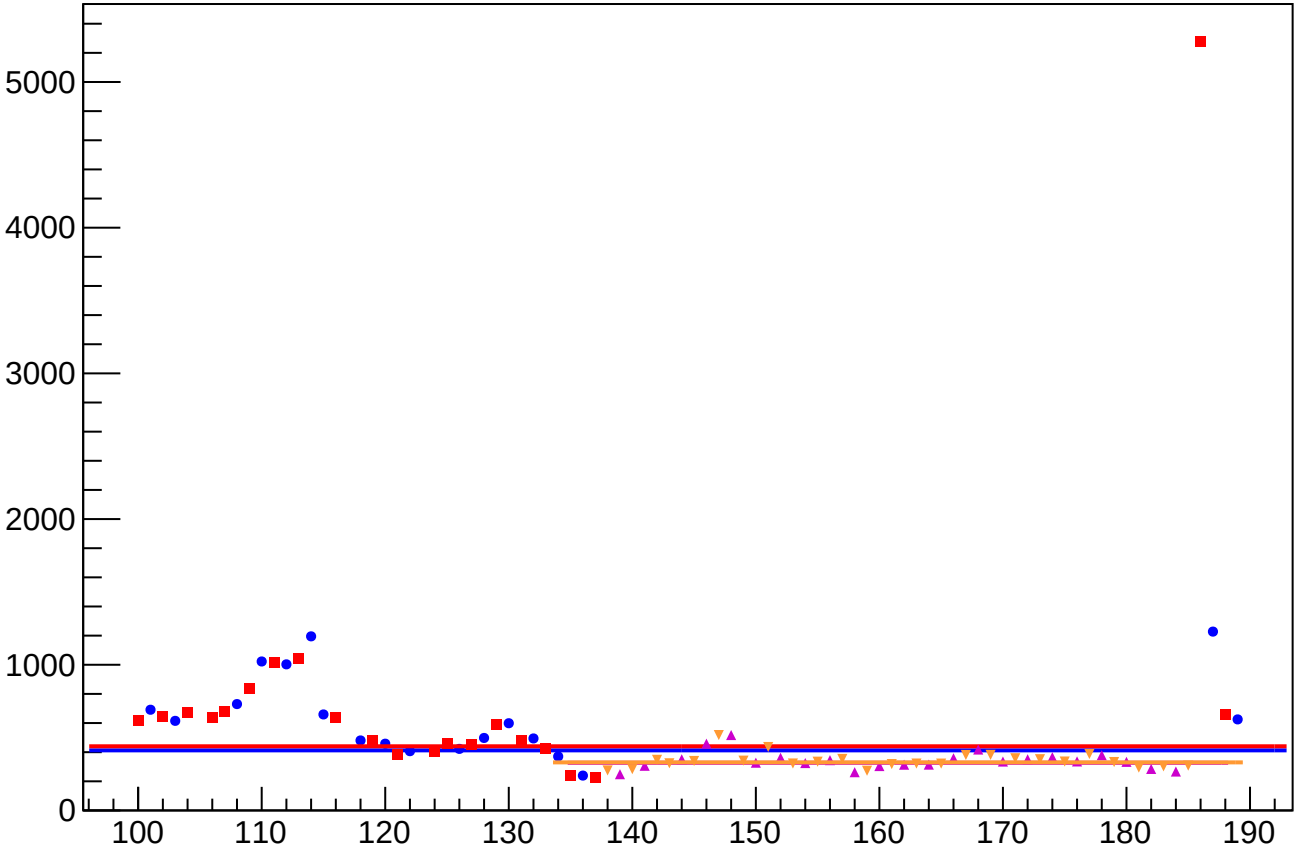
Right: -186.580+/-115.335 χ^2/NDF: 32.3/38

In: -56.805+/-69.846 χ^2/NDF:46.9/40

Out: -29.470+/-68.962 χ^2/NDF:46.2/45

All: -42.964+/-49.073 χ^2/NDF: 93.2/86

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 412.473+/-0.114 χ^2/NDF: 2642192.8/17

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 440.441+/-0.117 χ^2/NDF: 3232426.6/20

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

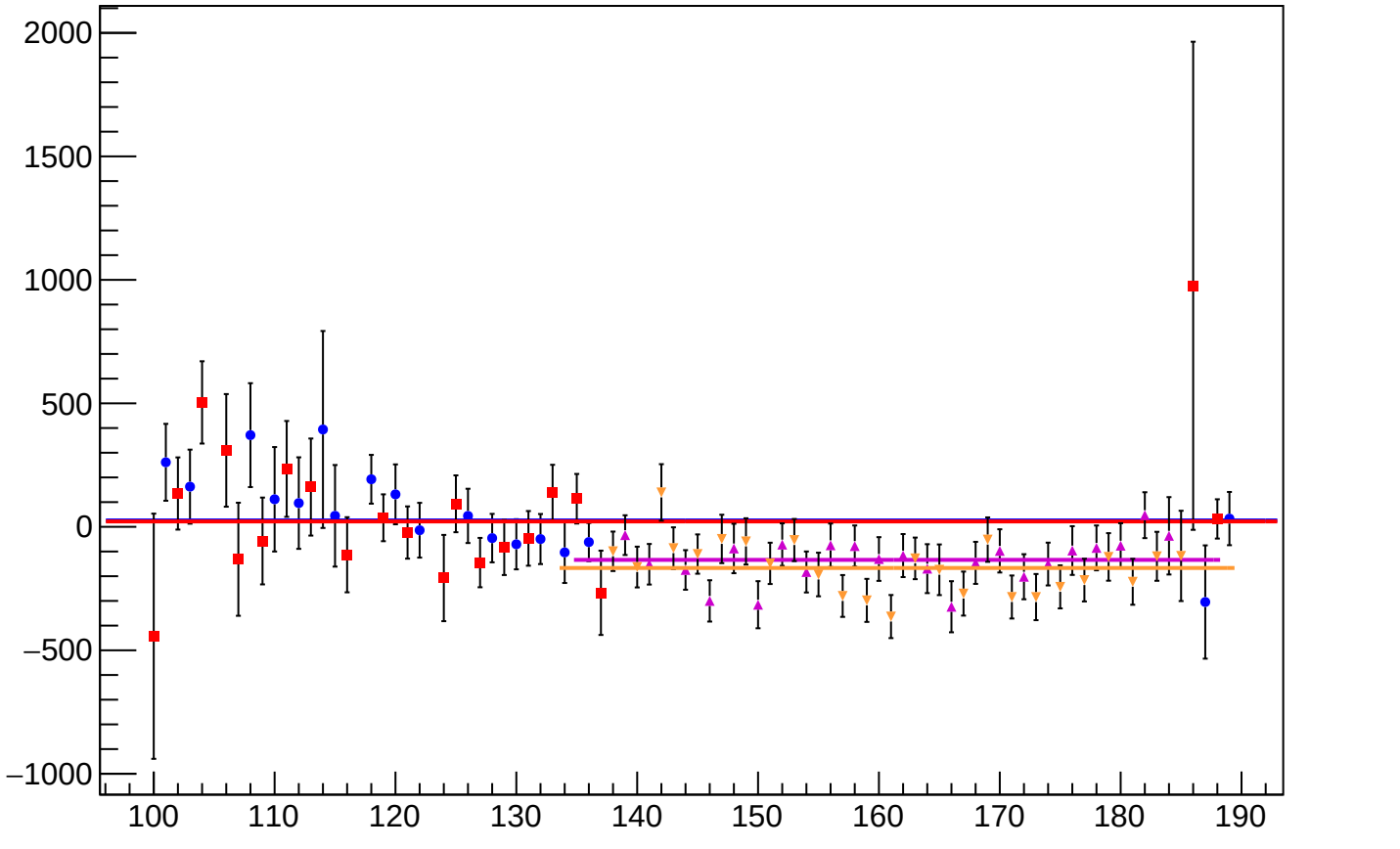
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

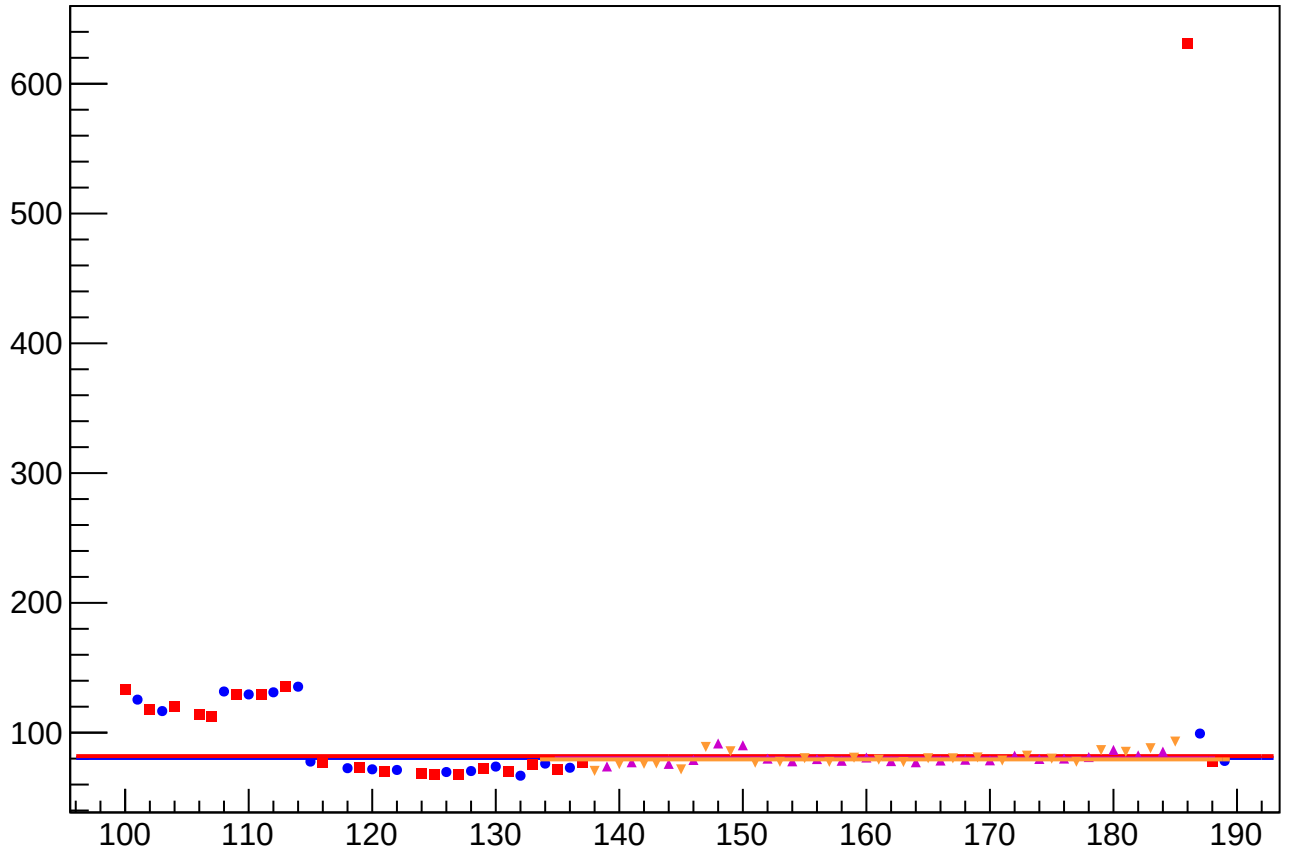
Right: 426.056+/-0.082 χ^2/NDF: 5903996.1/38

In: 343.092+/-0.049 χ^2/NDF:4000296.0/40

Out: 349.150+/-0.049 χ^2/NDF:4628119.9/45

All: 346.160+/-0.035 χ^2/NDF: 8636034.5/86


eigen_cor_asym_sam1_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 25.911+/-29.359 χ²/NDF: 17.2/17
Left Out: -166.675+/-18.079 χ²/NDF:31.6/24
Right Out: 21.777+/-28.920 χ²/NDF: 26.7/20
Left In: -133.850+/-18.756 χ²/NDF:20.7/22
Left: -150.865+/-13.016 χ²/NDF: 54.0/47
Right: 23.813+/-20.603 χ²/NDF: 43.9/38
In: -87.546+/-15.806 χ²/NDF:59.0/40
Out: -113.724+/-15.330 χ²/NDF:88.8/45
All: -101.035+/-11.004 χ²/NDF: 149.2/86



Right In: 80.505+/-0.021 χ^2/NDF: 854422.7/17

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.909+/-0.020 χ^2/NDF: 1552989.8/20

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

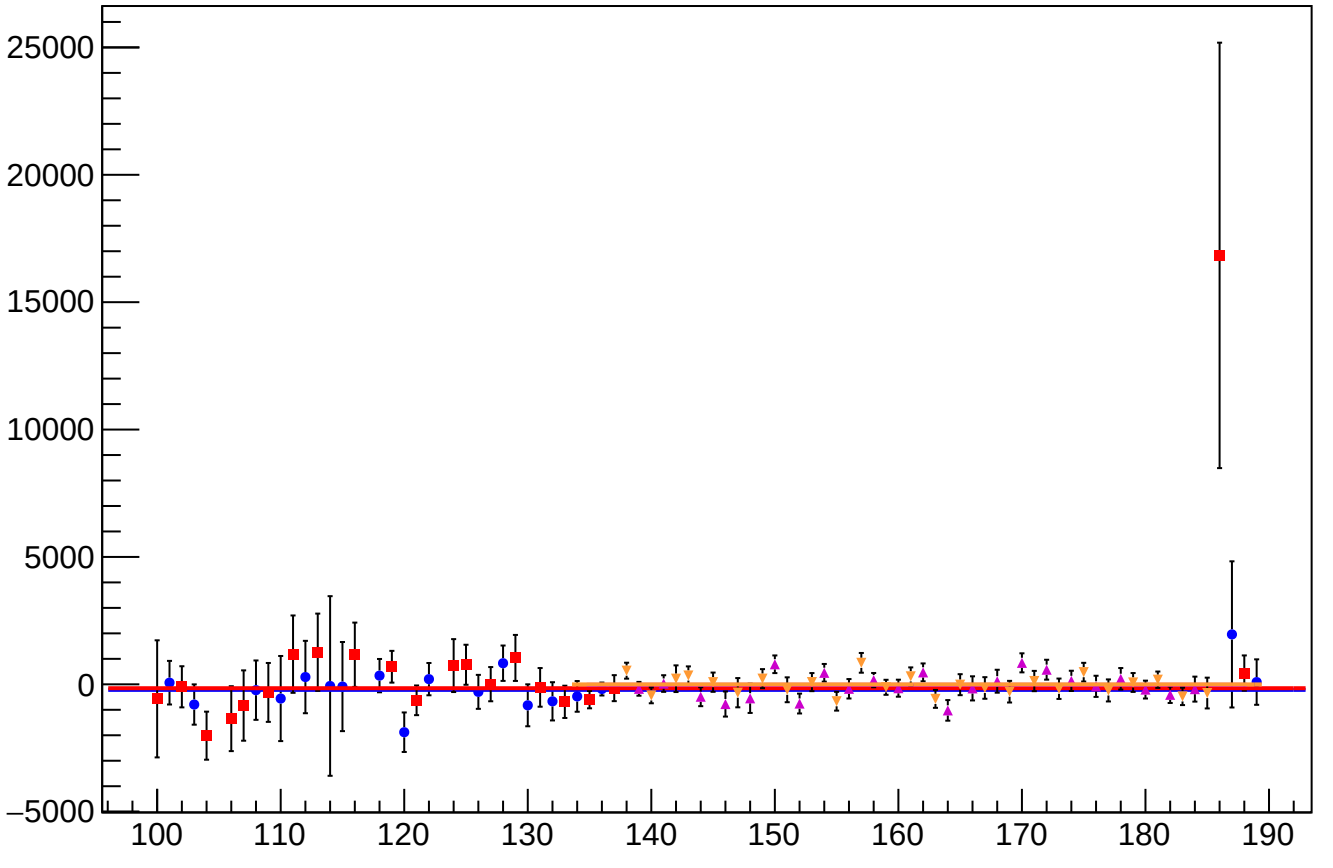
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.217+/-0.015 χ^2/NDF: 2409731.3/38

In: 80.260+/-0.011 χ^2/NDF:946088.6/40

Out: 80.112+/-0.011 χ^2/NDF:1698516.3/45

All: 80.184+/-0.008 χ^2/NDF: 2644695.0/86



Right In: -218.113+/-160.821 χ^2/NDF: 10.7/17

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -153.188+/-165.495 χ^2/NDF: 21.5/20

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

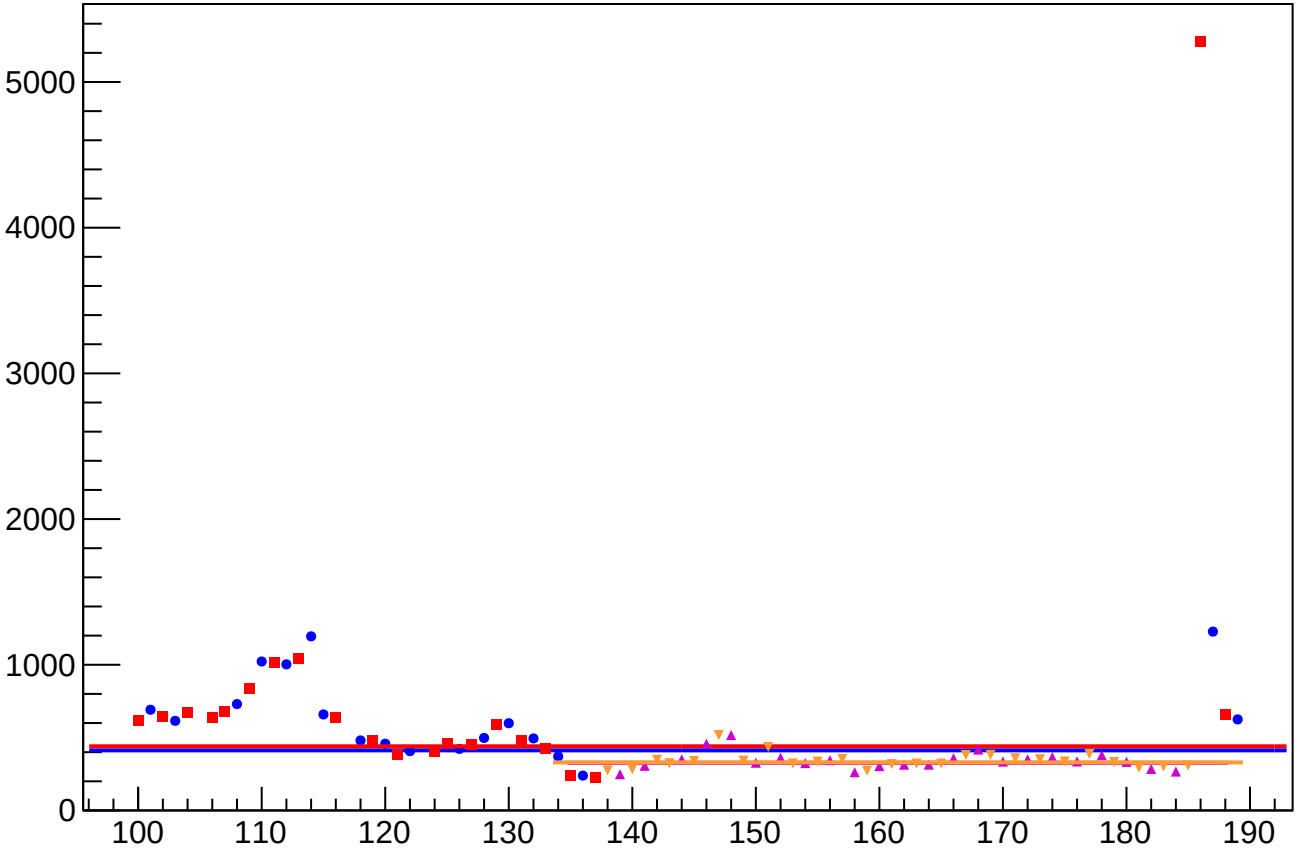
Right: -186.580+/-115.335 χ^2/NDF: 32.3/38

In: -56.805+/-69.846 χ^2/NDF:46.9/40

Out: -29.470+/-68.962 χ^2/NDF:46.2/45

All: -42.964+/-49.073 χ^2/NDF: 93.2/86

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 412.473+/-0.114 χ^2/NDF: 2642192.8/17

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 440.441+/-0.117 χ^2/NDF: 3232426.6/20

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

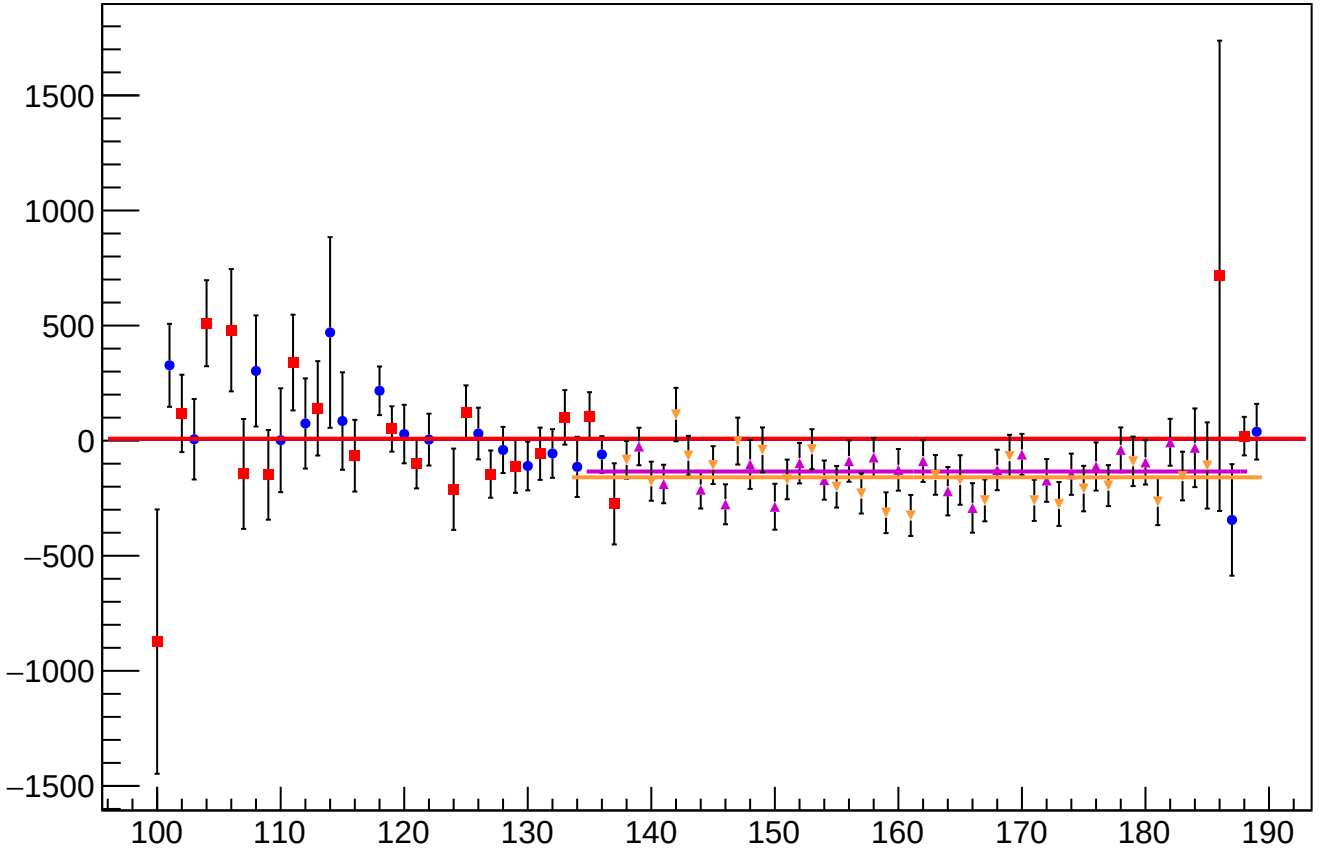
Right: 426.056+/-0.082 χ^2/NDF: 5903996.1/38

In: 343.092+/-0.049 χ^2/NDF:4000296.0/40

Out: 349.150+/-0.049 χ^2/NDF:4628119.9/45

All: 346.160+/-0.035 χ^2/NDF: 8636034.5/86

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 7.628+/-30.948 χ^2/NDF: 15.7/17

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 8.248+/-30.238 χ^2/NDF: 29.3/20

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

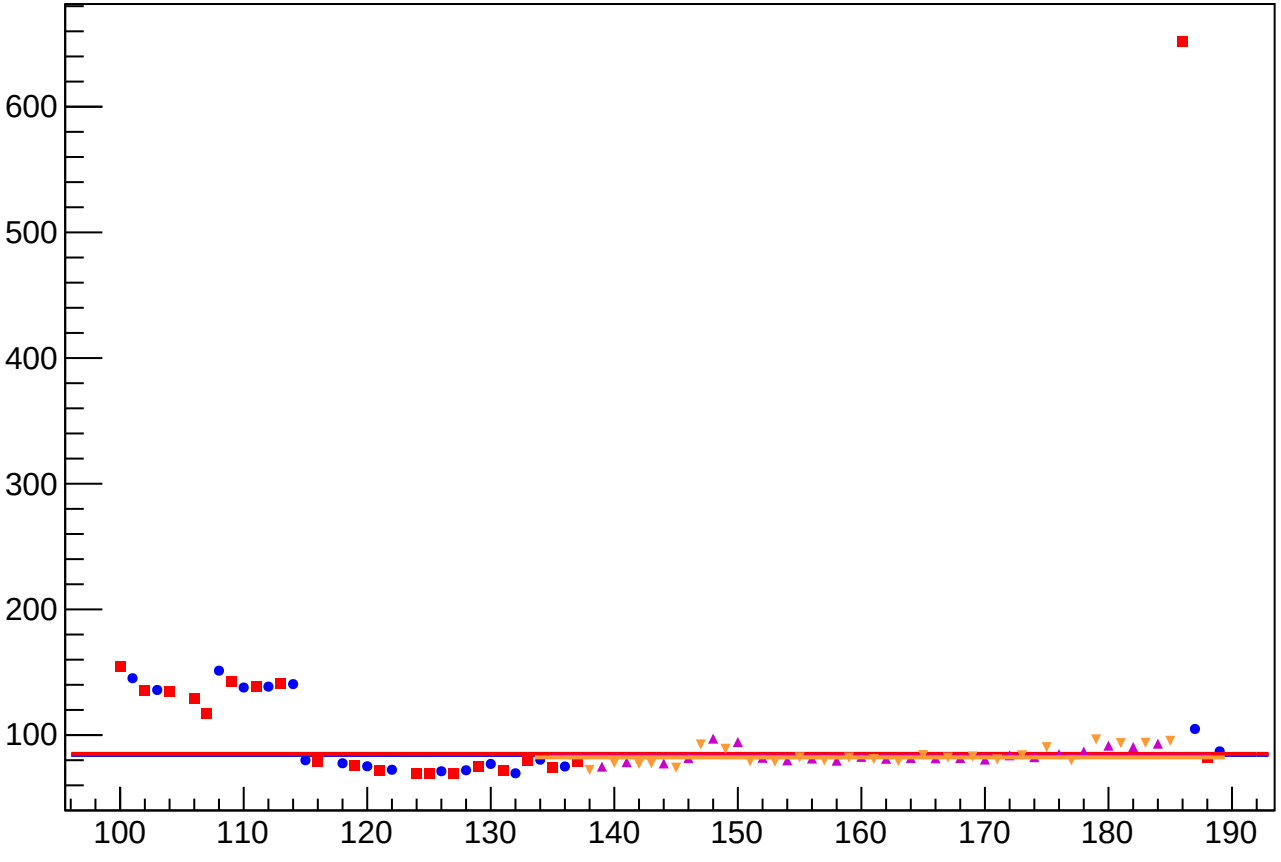
Right: 7.945+/-21.628 χ^2/NDF: 45.0/38

In: -93.934+/-16.462 χ^2/NDF:47.2/40

Out: -112.716+/-15.935 χ^2/NDF:79.6/45

All: -103.631+/-11.450 χ^2/NDF: 127.4/86

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.226+/-0.022 χ^2/NDF: 1051014.3/17

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 85.024+/-0.021 χ^2/NDF: 1739945.7/20

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

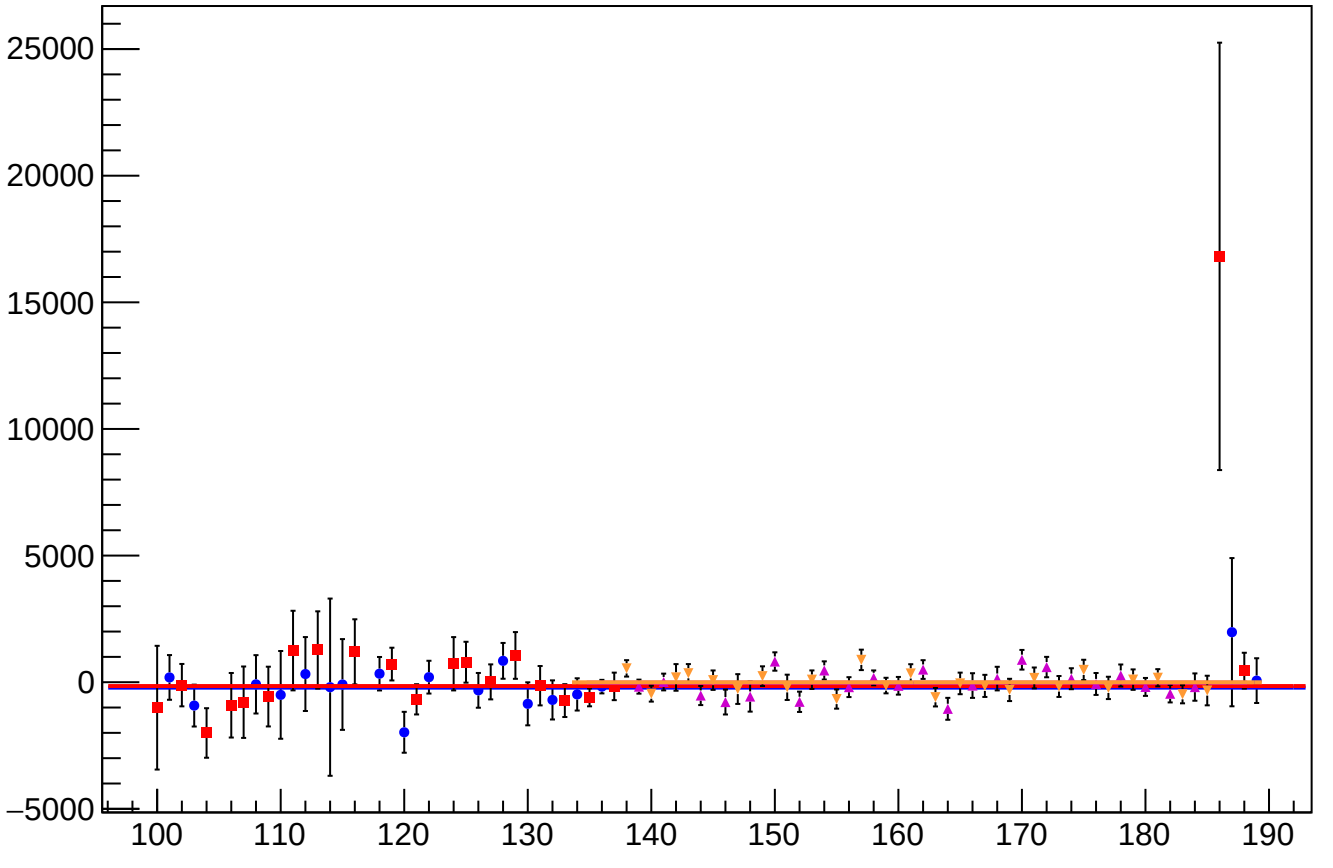
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 84.634+/-0.015 χ^2/NDF: 2791640.6/38

In: 83.342+/-0.012 χ^2/NDF:1198897.3/40

Out: 83.018+/-0.011 χ^2/NDF:1968673.7/45

All: 83.175+/-0.008 χ^2/NDF: 3167969.7/86



Right In: -213.752+/-166.790 χ^2/NDF: 11.1/17

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -152.151+/-170.839 χ^2/NDF: 20.7/20

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

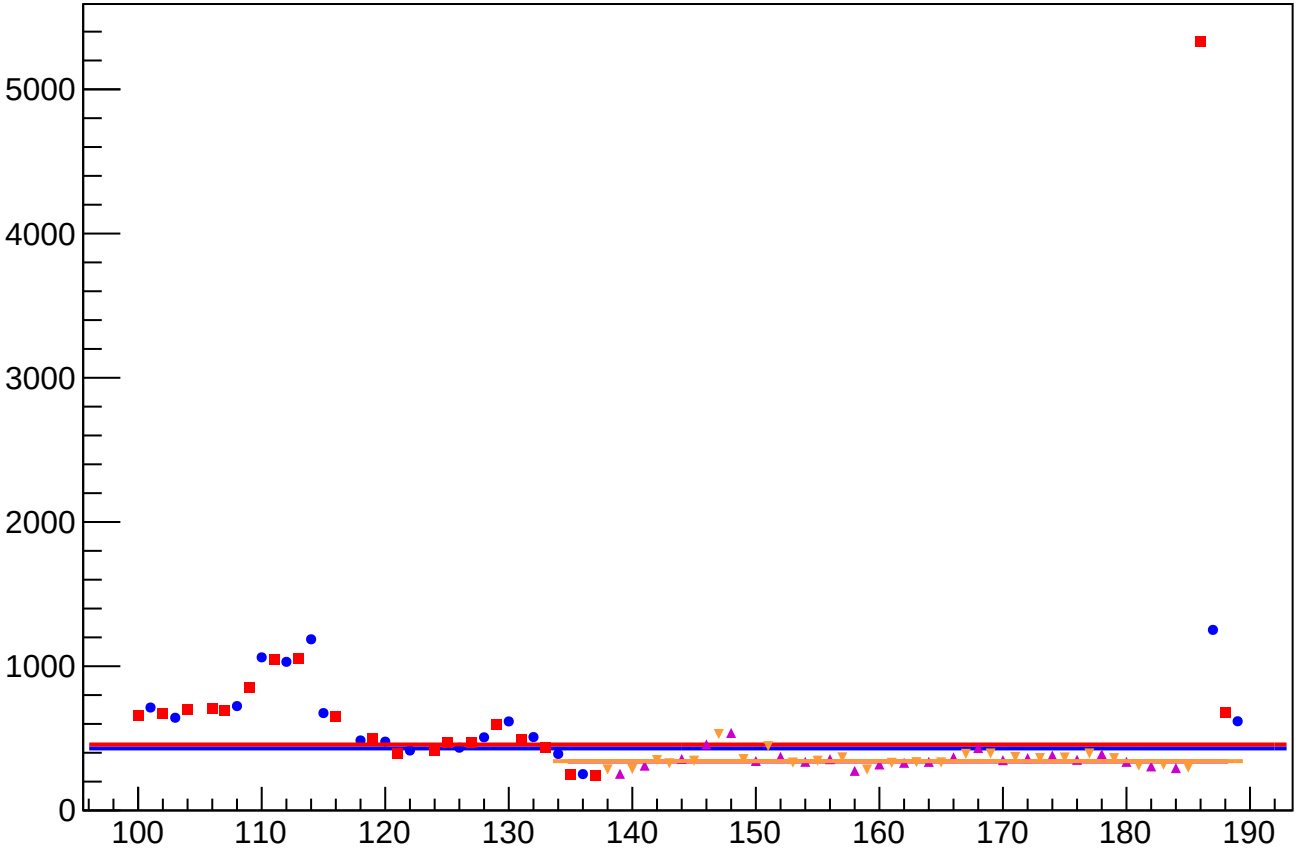
Right: -183.690+/-119.344 χ^2/NDF: 31.9/38

In: -53.715+/-72.432 χ^2/NDF:47.1/40

Out: -29.124+/-71.391 χ^2/NDF:44.9/45

All: -41.242+/-50.845 χ^2/NDF: 92.1/86

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 430.098+/-0.118 χ^2/NDF: 2510004.5/17

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 457.333+/-0.121 χ^2/NDF: 3183549.8/20

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

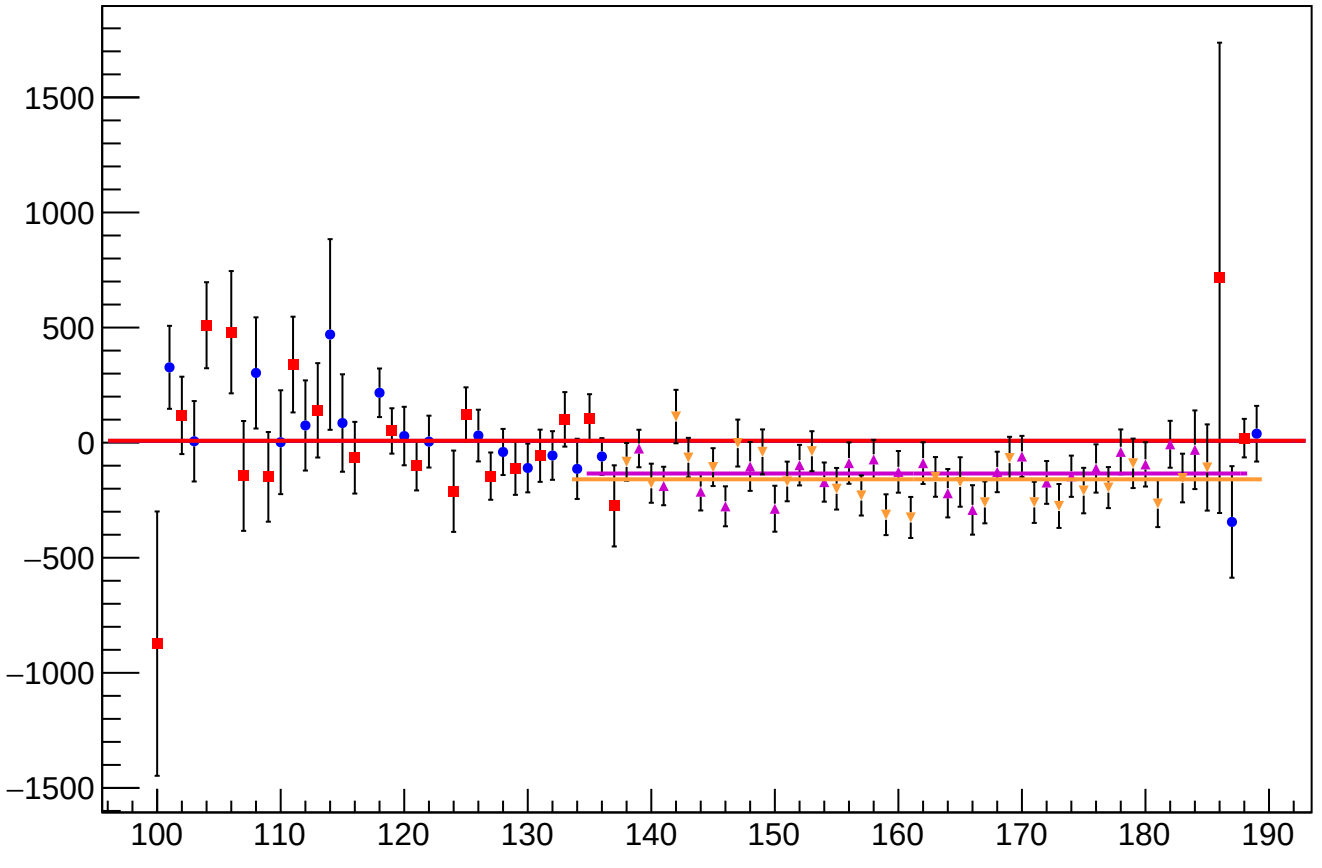
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 443.389+/-0.084 χ^2/NDF: 5719577.9/38

In: 356.529+/-0.051 χ^2/NDF:3836270.6/40

Out: 362.073+/-0.050 χ^2/NDF:4590888.7/45

All: 359.341+/-0.036 χ^2/NDF: 8433102.2/86



Right In: 7.629+/-30.948 χ^2/NDF: 15.7/17

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 8.248+/-30.238 χ^2/NDF: 29.3/20

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

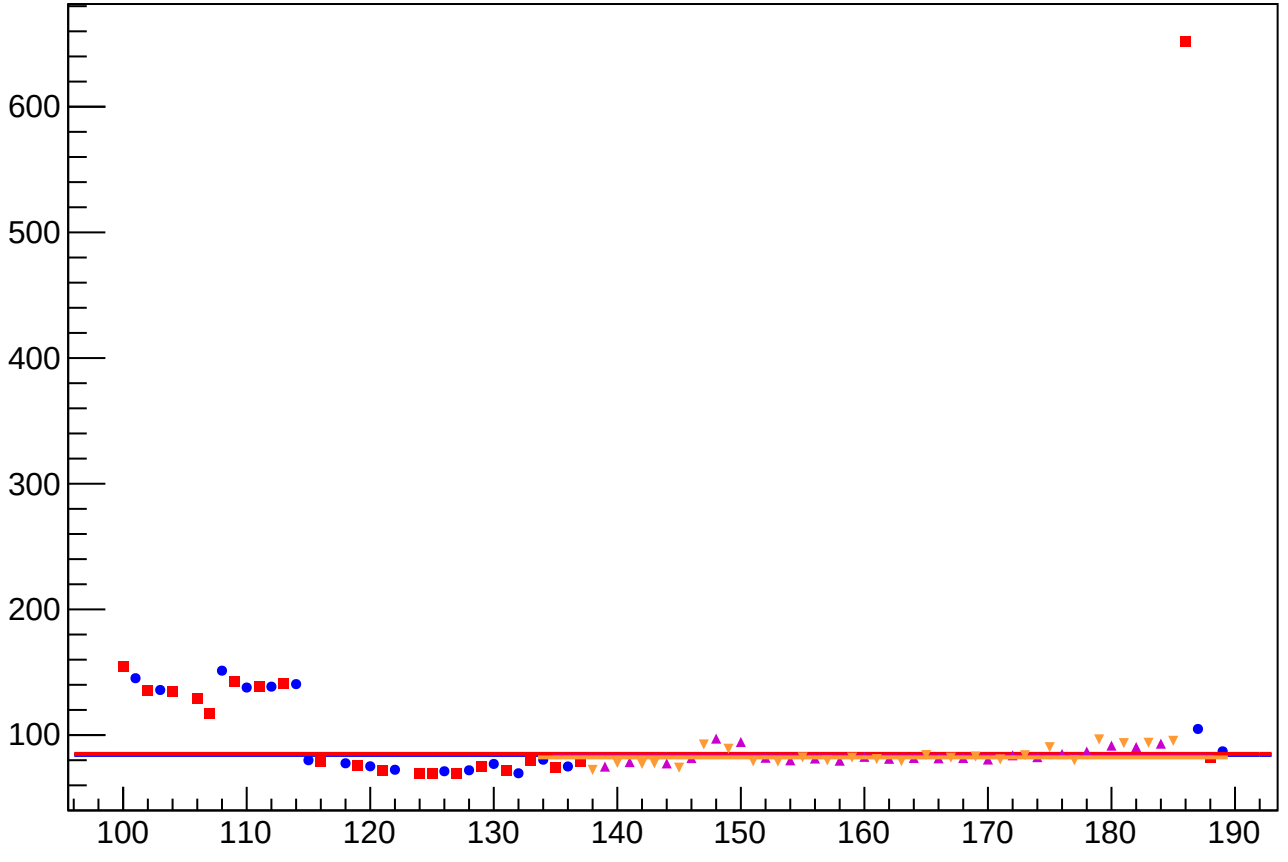
Right: 7.945+/-21.628 χ^2/NDF: 45.0/38

In: -93.934+/-16.462 χ^2/NDF:47.2/40

Out: -112.716+/-15.935 χ^2/NDF:79.6/45

All: -103.631+/-11.450 χ^2/NDF: 127.4/86

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.225+/-0.022 χ^2/NDF: 1051013.8/17

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 85.024+/-0.021 χ^2/NDF: 1739945.0/20

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

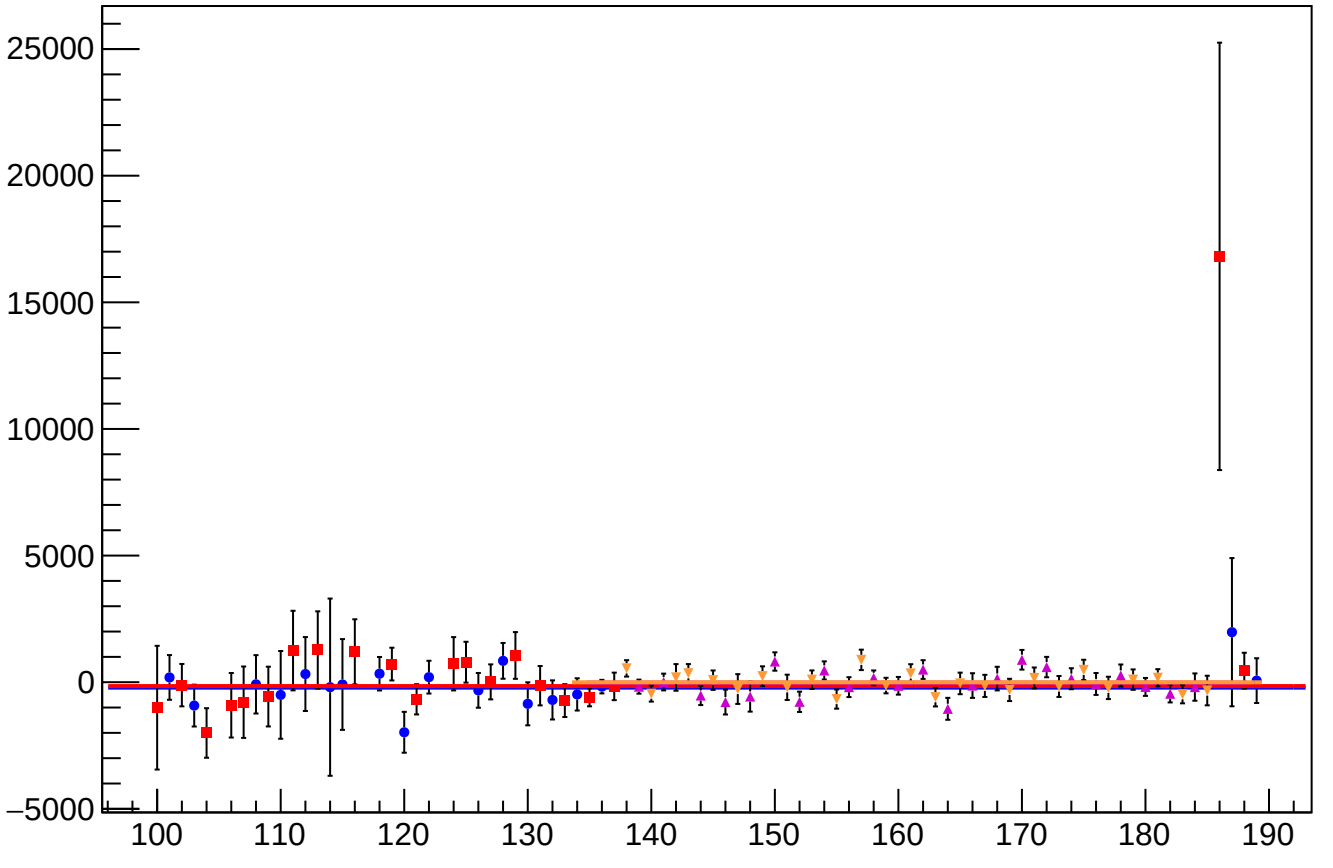
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 84.634+/-0.015 χ^2/NDF: 2791639.4/38

In: 83.342+/-0.012 χ^2/NDF:1198895.1/40

Out: 83.018+/-0.011 χ^2/NDF:1968672.6/45

All: 83.175+/-0.008 χ^2/NDF: 3167966.4/86



Right In: -213.751+/-166.790 χ^2/NDF: 11.1/17

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -152.151+/-170.839 χ^2/NDF: 20.7/20

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

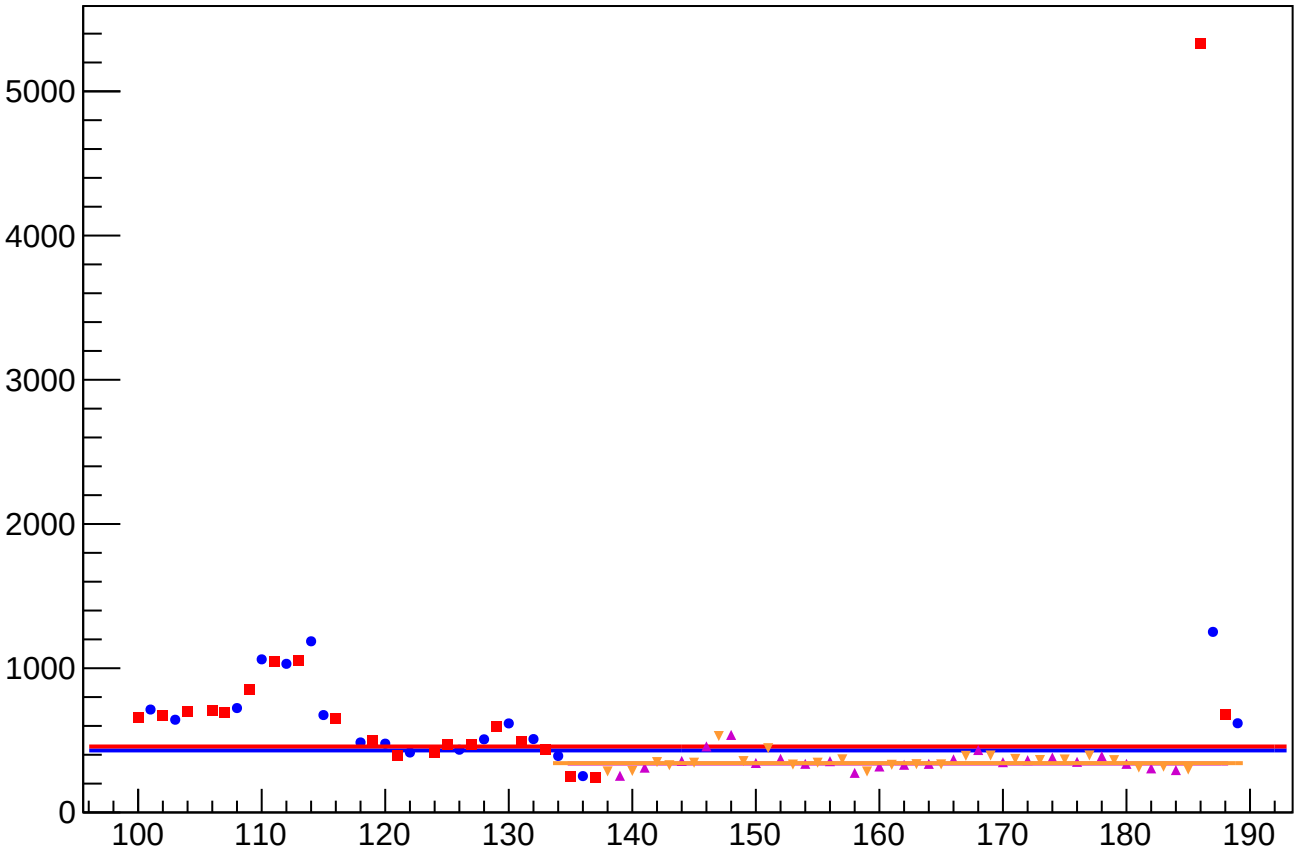
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -183.689+/-119.344 χ^2/NDF: 31.9/38

In: -53.715+/-72.432 χ^2/NDF:47.1/40

Out: -29.124+/-71.391 χ^2/NDF:44.9/45

All: -41.241+/-50.845 χ^2/NDF: 92.1/86



Right In: 430.097+/-0.118 χ^2/NDF: 2510009.5/17

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 457.332+/-0.121 χ^2/NDF: 3183556.5/20

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

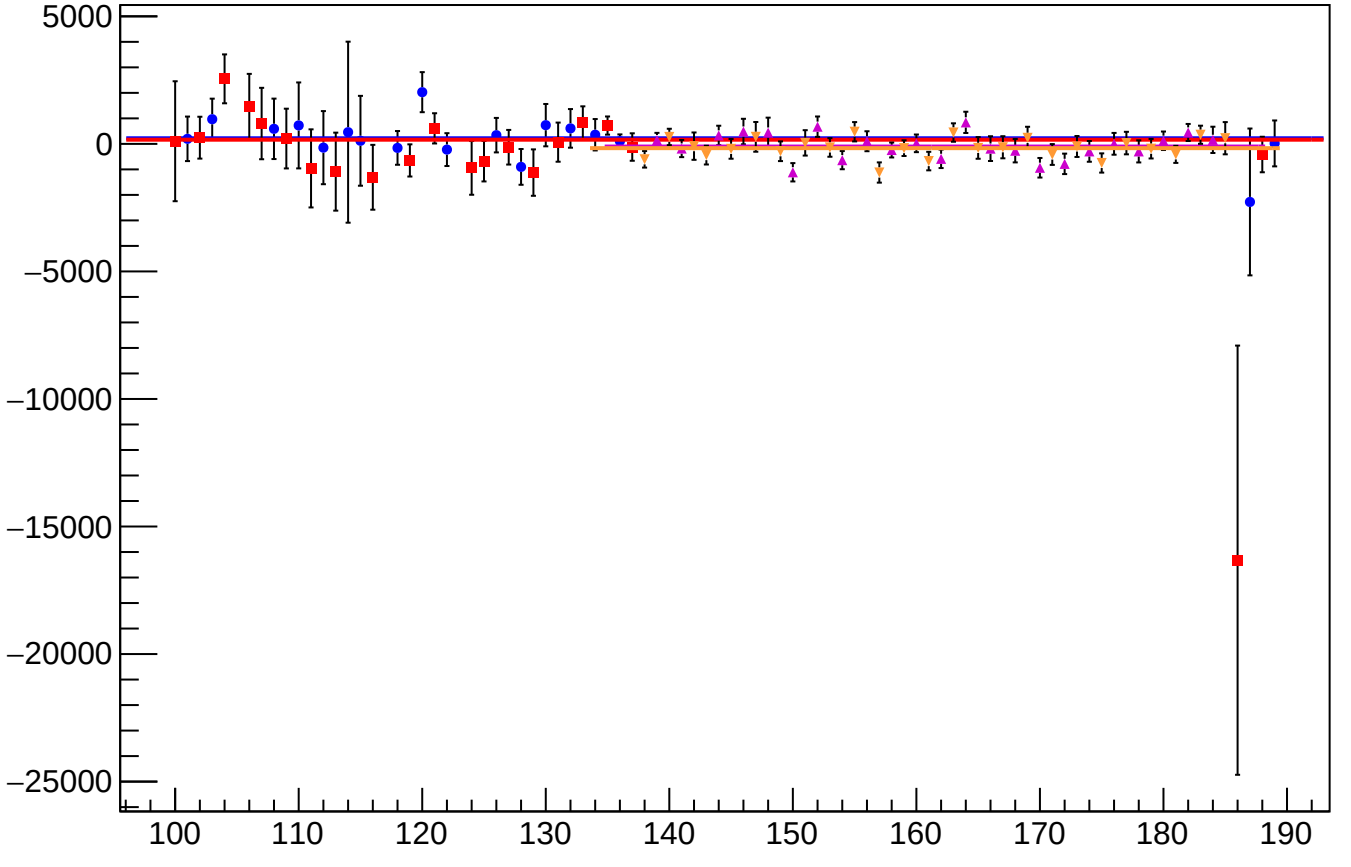
Right: 443.388+/-0.084 χ^2/NDF: 5719589.4/38

In: 356.529+/-0.051 χ^2/NDF:3836273.7/40

Out: 362.072+/-0.050 χ^2/NDF:4590889.1/45

All: 359.341+/-0.036 χ^2/NDF: 8433105.7/86

asym_sam1_mean vs Slug, Sign Corrected



Right In: 219.505+/-165.063 χ^2/NDF: 11.5/17

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 164.252+/-169.427 χ^2/NDF: 25.0/20

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

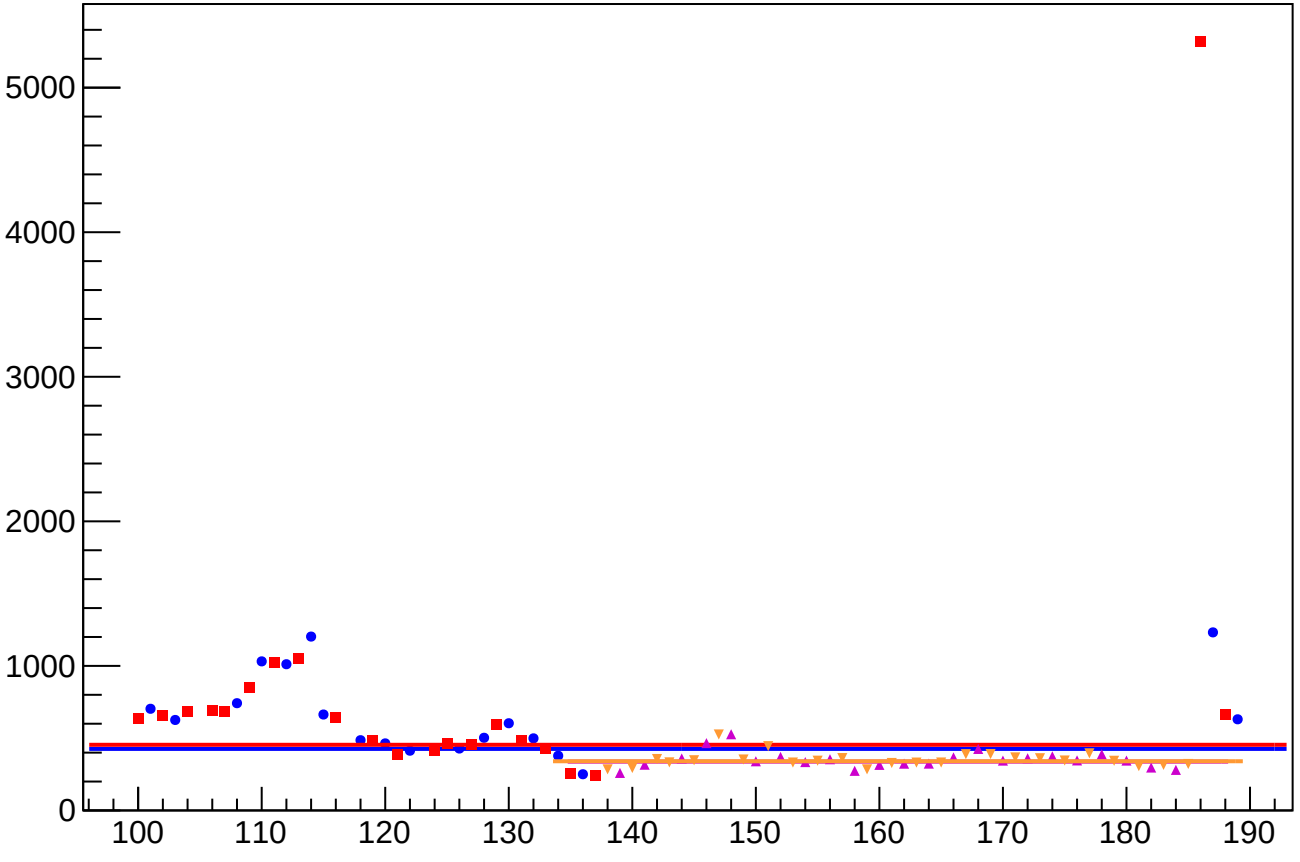
Right: 192.599+/-118.230 χ^2/NDF: 36.5/38

In: -42.482+/-71.987 χ^2/NDF:52.1/40

Out: -109.164+/-70.986 χ^2/NDF:53.7/45

All: -76.290+/-50.545 χ^2/NDF: 106.2/86

asym_sam1_rms vs Slug, Sign Corrected



Right In: 425.751+/-0.117 χ^2/NDF: 2491436.4/17

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 454.237+/-0.120 χ^2/NDF: 3104900.0/20

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

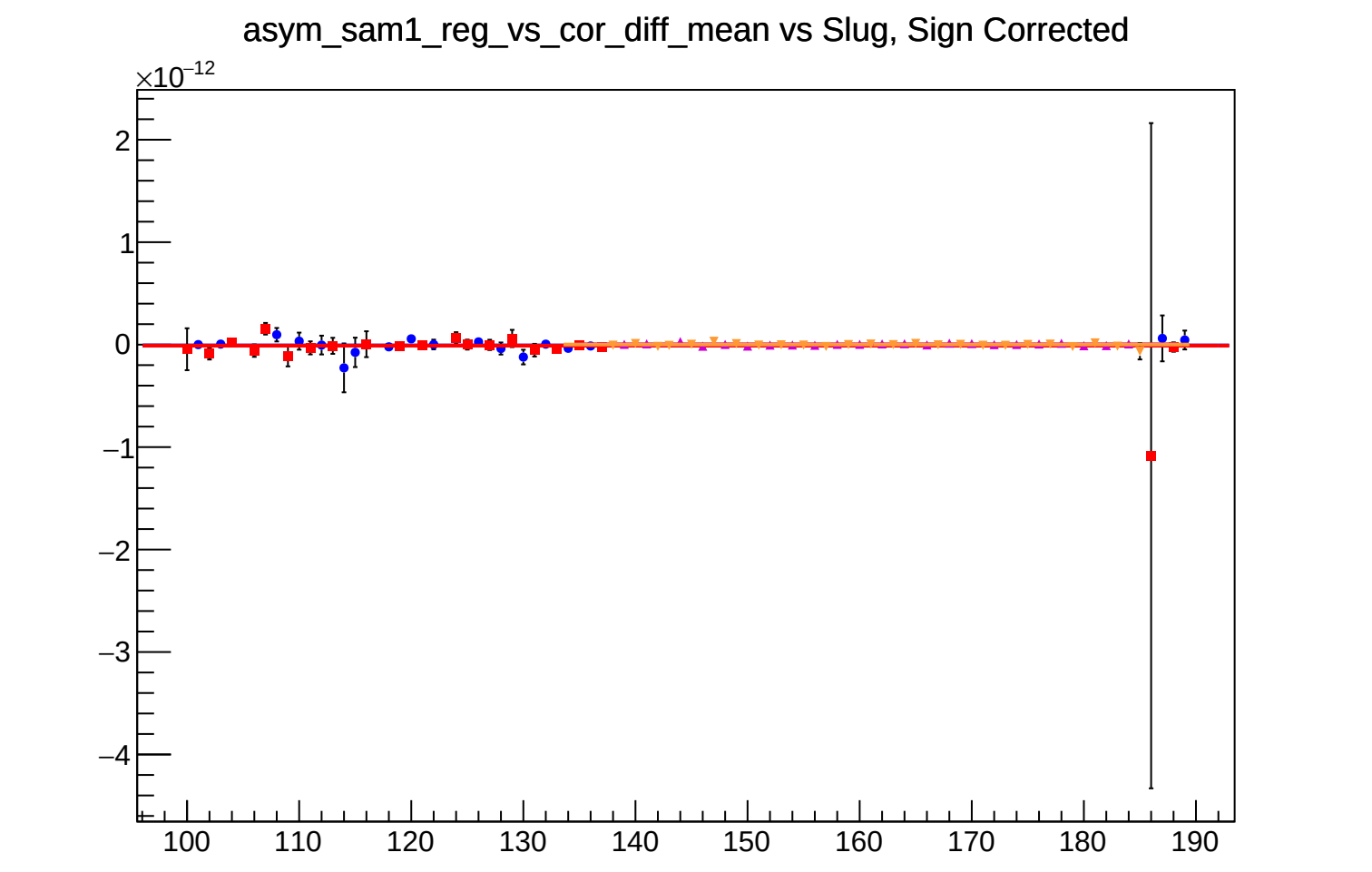
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 439.622+/-0.084 χ^2/NDF: 5625343.6/38

In: 354.495+/-0.051 χ^2/NDF:3772360.1/40

Out: 360.376+/-0.050 χ^2/NDF:4453564.6/45

All: 357.477+/-0.036 χ^2/NDF: 8232693.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/20

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

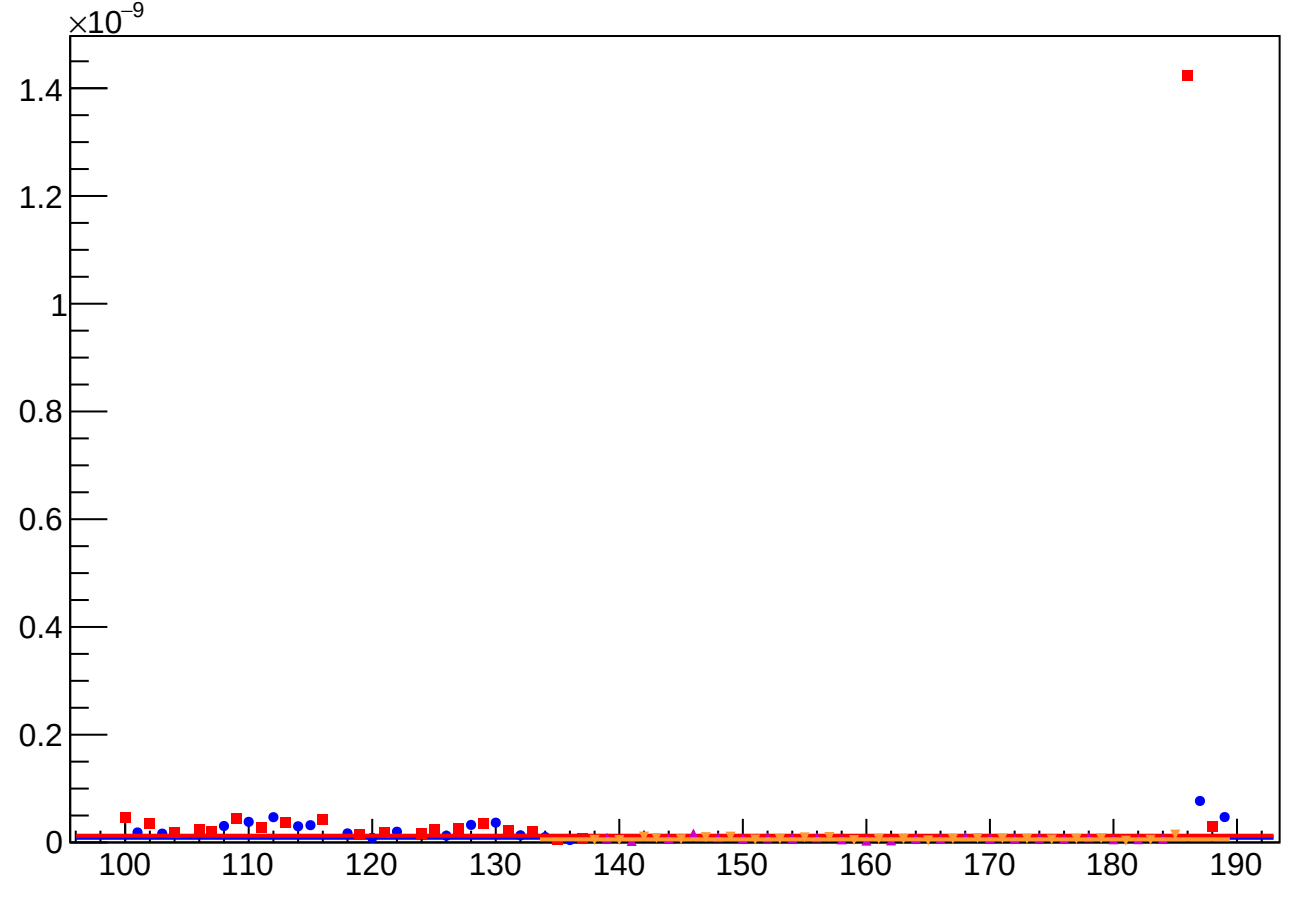
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 31.8/38

In: 0.000+/-0.000 χ^2/NDF:29.9/40

Out: 0.000+/-0.000 χ^2/NDF:34.5/45

All: 0.000+/-0.000 χ^2/NDF: 64.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 3293489.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3425042.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

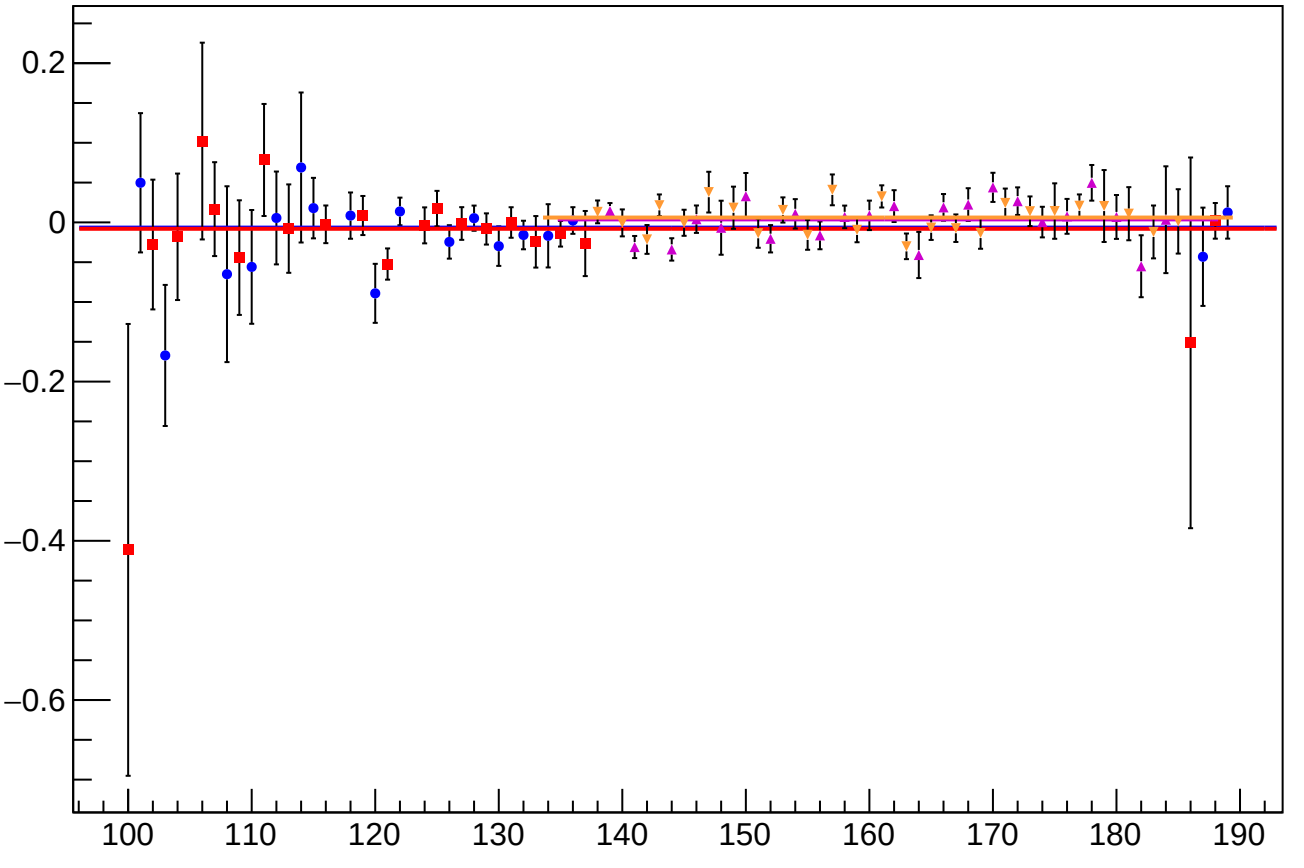
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7007909.8/38

In: 0.000+/-0.000 χ^2/NDF:5529820.8/40

Out: 0.000+/-0.000 χ^2/NDF:5869182.0/45

All: 0.000+/-0.000 χ^2/NDF: 11412912.6/86



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

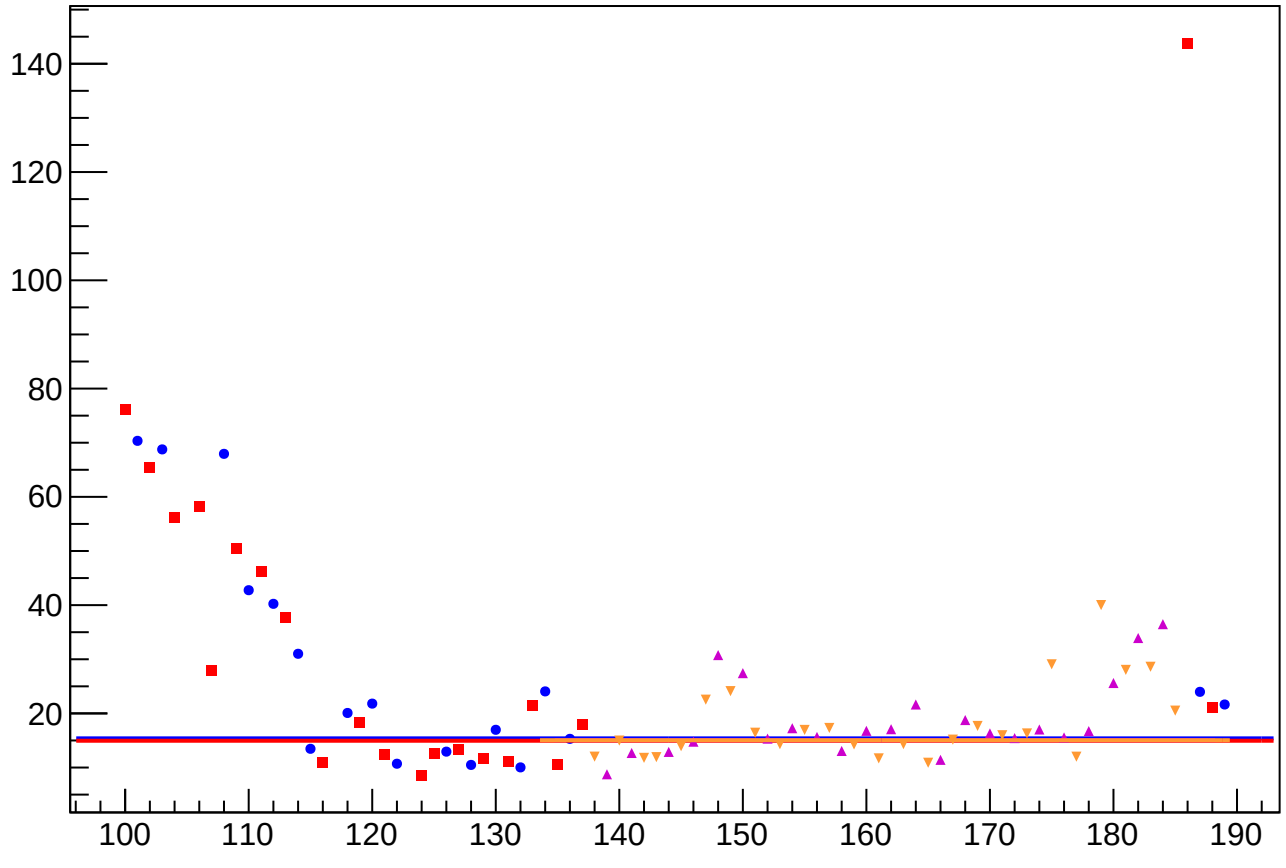
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.004 χ^2/NDF: 28.9/38

In: 0.001+/-0.003 χ^2/NDF:54.6/40

Out: 0.002+/-0.003 χ^2/NDF:43.8/45

All: 0.002+/-0.002 χ^2/NDF: 98.5/86



Right In: 15.390+/-0.005 χ^2/NDF: 3555127.4/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.951+/-0.004 χ^2/NDF: 4412927.8/20

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

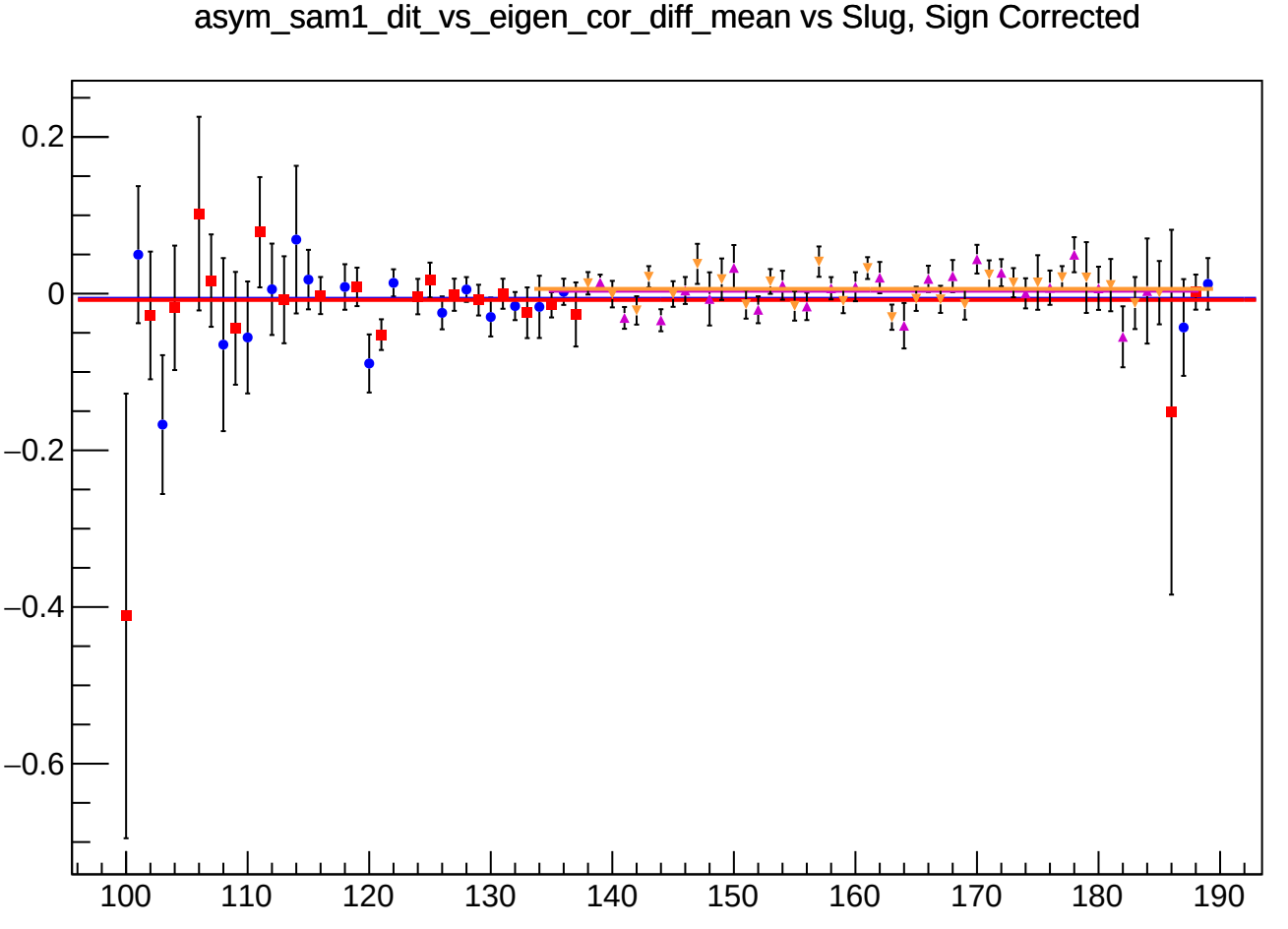
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.156+/-0.003 χ^2/NDF: 7972829.1/38

In: 15.150+/-0.002 χ^2/NDF:6625310.9/40

Out: 15.021+/-0.002 χ^2/NDF:7171360.8/45

All: 15.082+/-0.002 χ^2/NDF: 13798251.8/86



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

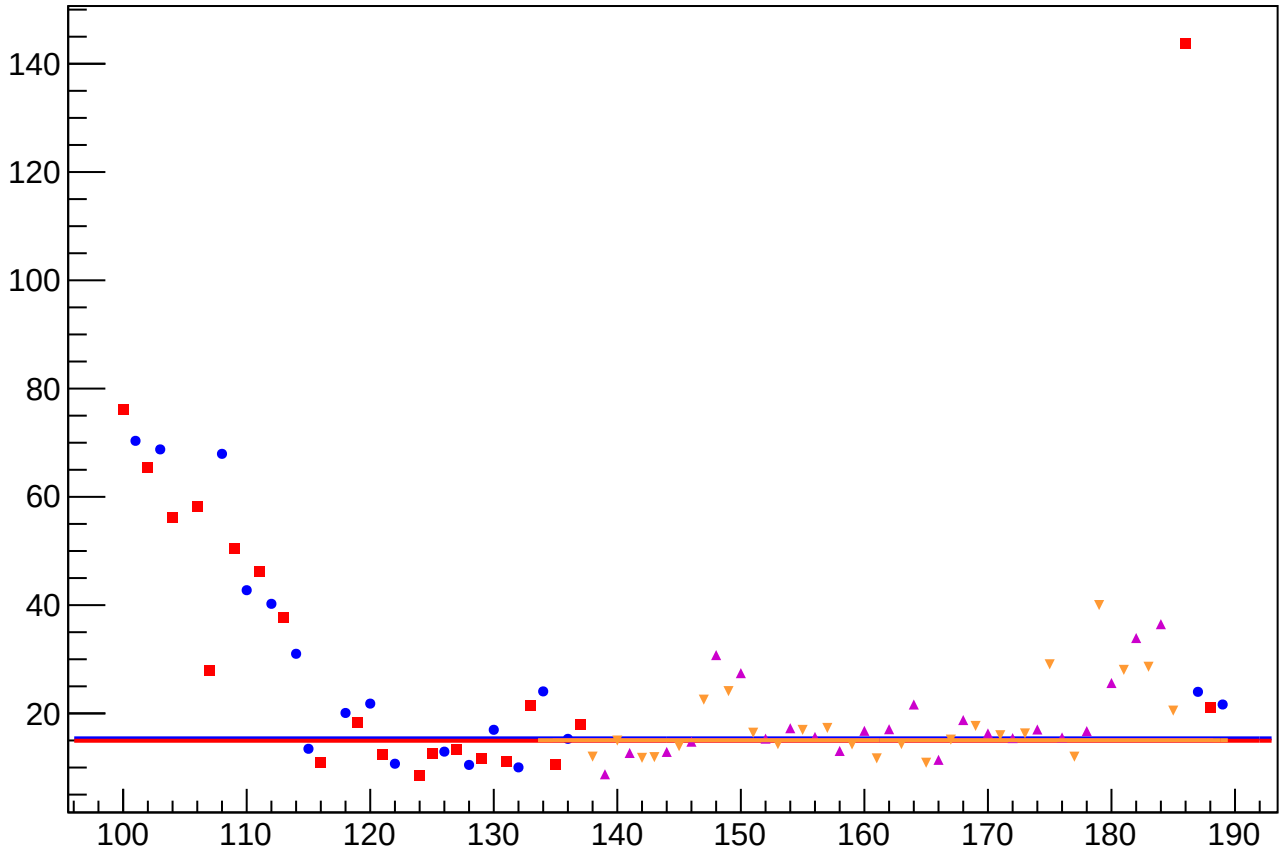
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.004 χ^2/NDF: 28.9/38

In: 0.001+/-0.003 χ^2/NDF:54.6/40

Out: 0.002+/-0.003 χ^2/NDF:43.8/45

All: 0.002+/-0.002 χ^2/NDF: 98.5/86



Right In: 15.390+/-0.005 χ^2/NDF: 3555127.4/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.951+/-0.004 χ^2/NDF: 4412927.8/20

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

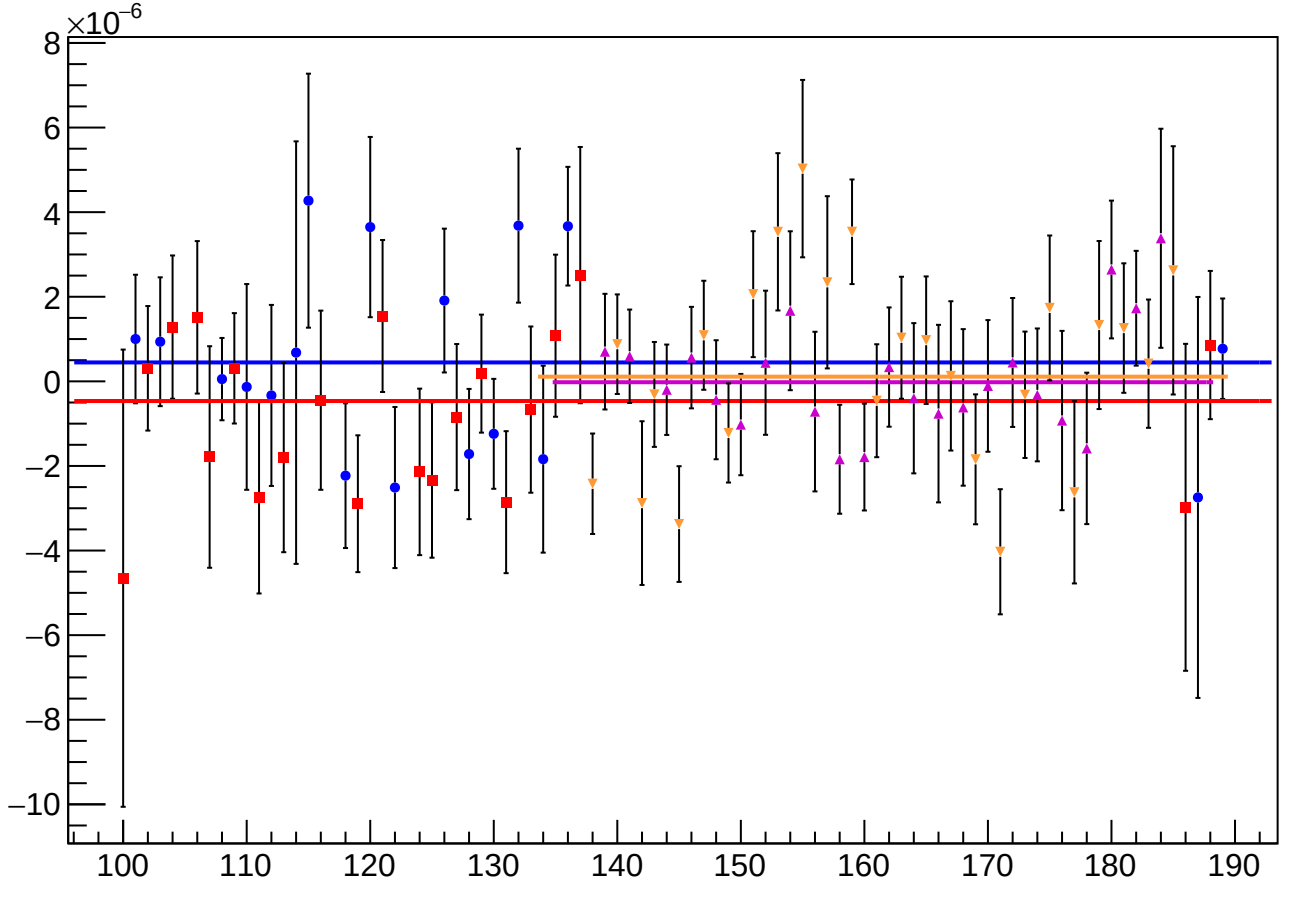
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.156+/-0.003 χ^2/NDF: 7972829.1/38

In: 15.150+/-0.002 χ^2/NDF:6625310.9/40

Out: 15.021+/-0.002 χ^2/NDF:7171360.8/45

All: 15.082+/-0.002 χ^2/NDF: 13798251.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/20

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

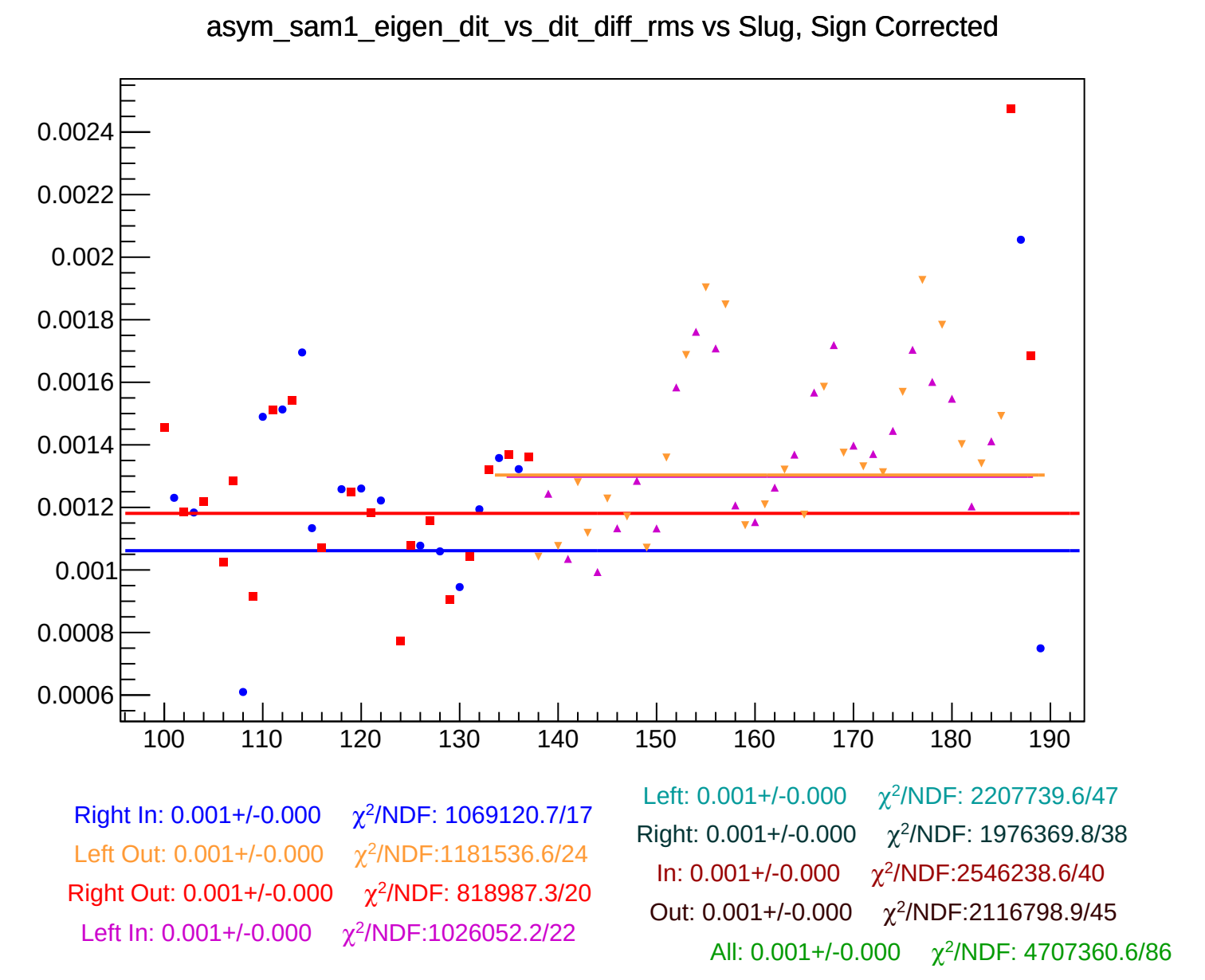
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

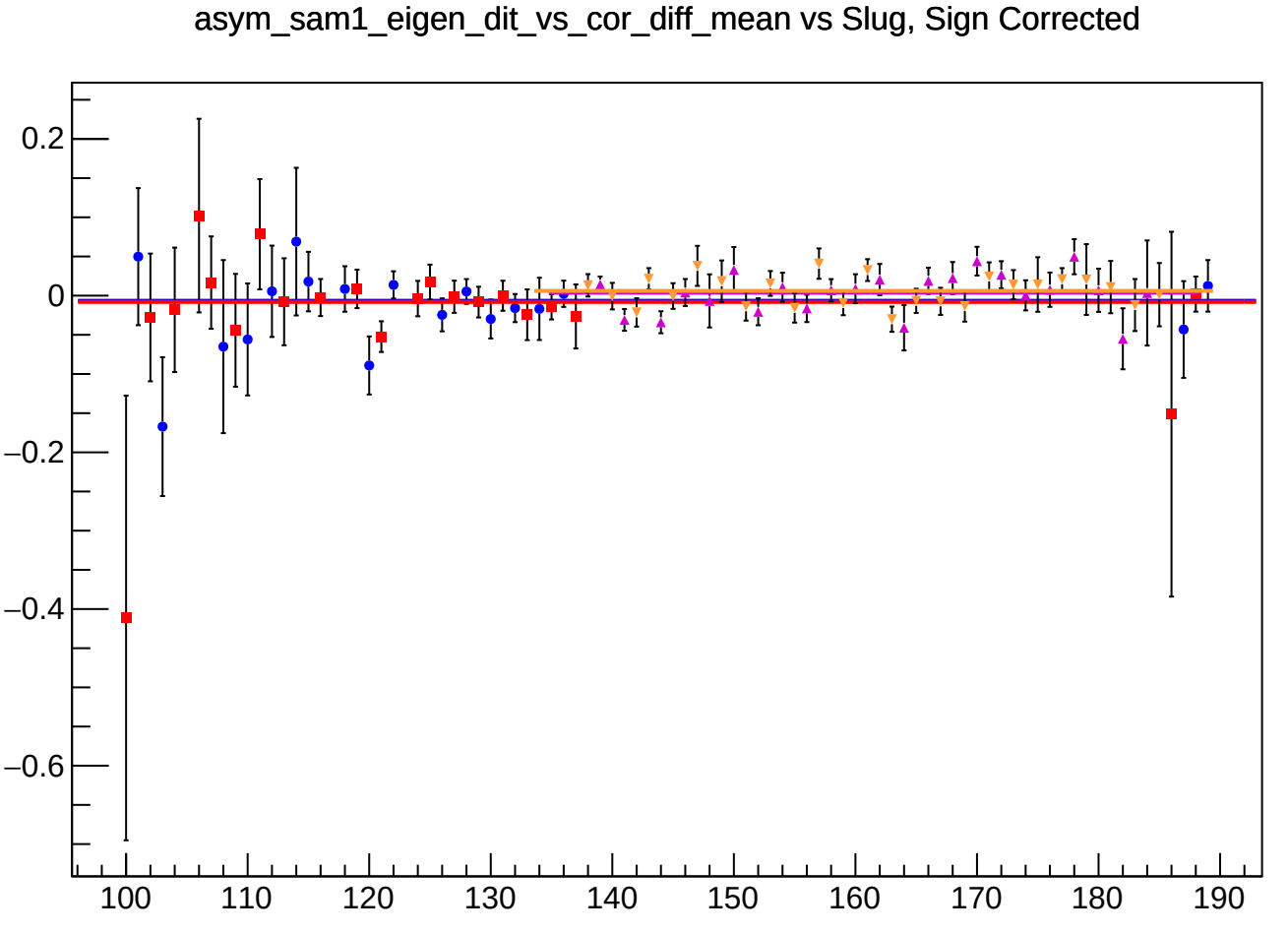
Right: 0.000+/-0.000 χ^2/NDF: 41.6/38

In: 0.000+/-0.000 χ^2/NDF:38.7/40

Out: -0.000+/-0.000 χ^2/NDF:66.6/45

All: 0.000+/-0.000 χ^2/NDF: 105.8/86


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 1069120.7/17
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 818987.3/20
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: 1976369.8/38
In: 0.001+/-0.000 χ²/NDF:2546238.6/40
Out: 0.001+/-0.000 χ²/NDF:2116798.9/45
All: 0.001+/-0.000 χ²/NDF: 4707360.6/86



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

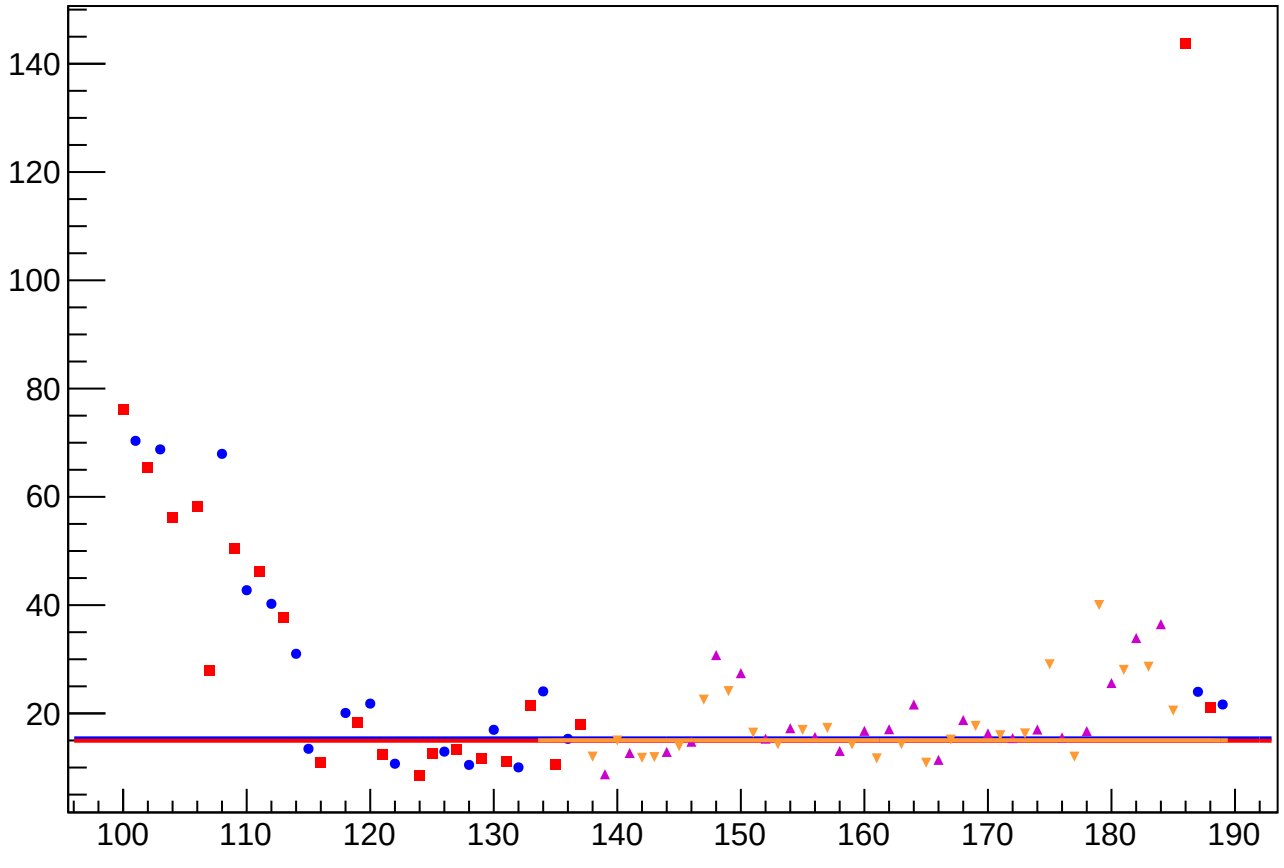
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.007+/-0.004 χ^2/NDF: 28.9/38

In: 0.001+/-0.003 χ^2/NDF:54.6/40

Out: 0.002+/-0.003 χ^2/NDF:43.8/45

All: 0.002+/-0.002 χ^2/NDF: 98.5/86



Right In: 15.389+/-0.005 χ^2/NDF: 3555154.8/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 14.950+/-0.004 χ^2/NDF: 4412918.1/20

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

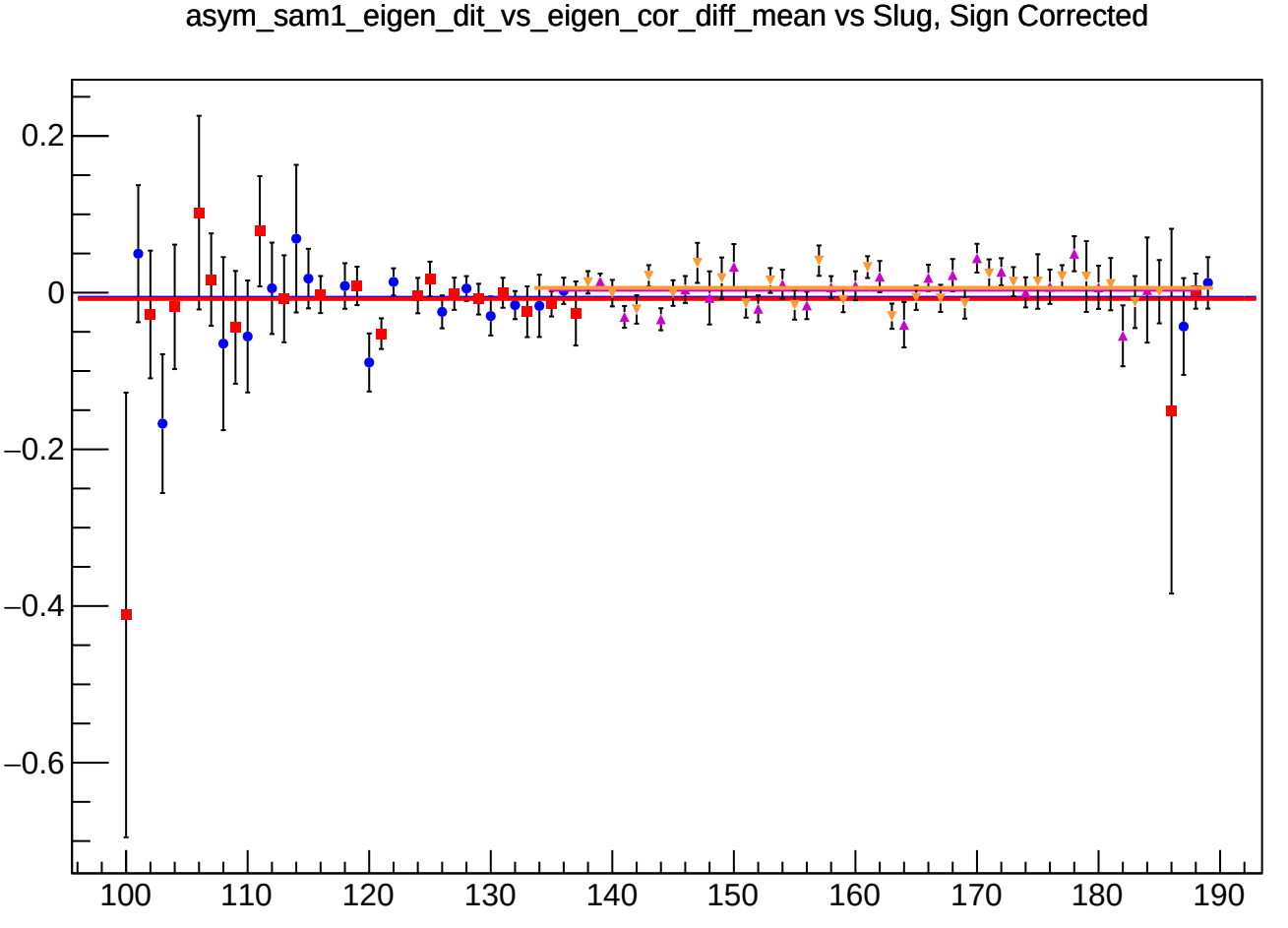
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.155+/-0.003 χ^2/NDF: 7972845.1/38

In: 15.149+/-0.002 χ^2/NDF:6625381.9/40

Out: 15.021+/-0.002 χ^2/NDF:7171559.8/45

All: 15.082+/-0.002 χ^2/NDF: 13798522.4/86



Right In: -0.007+/-0.007 χ^2/NDF: 15.6/17

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

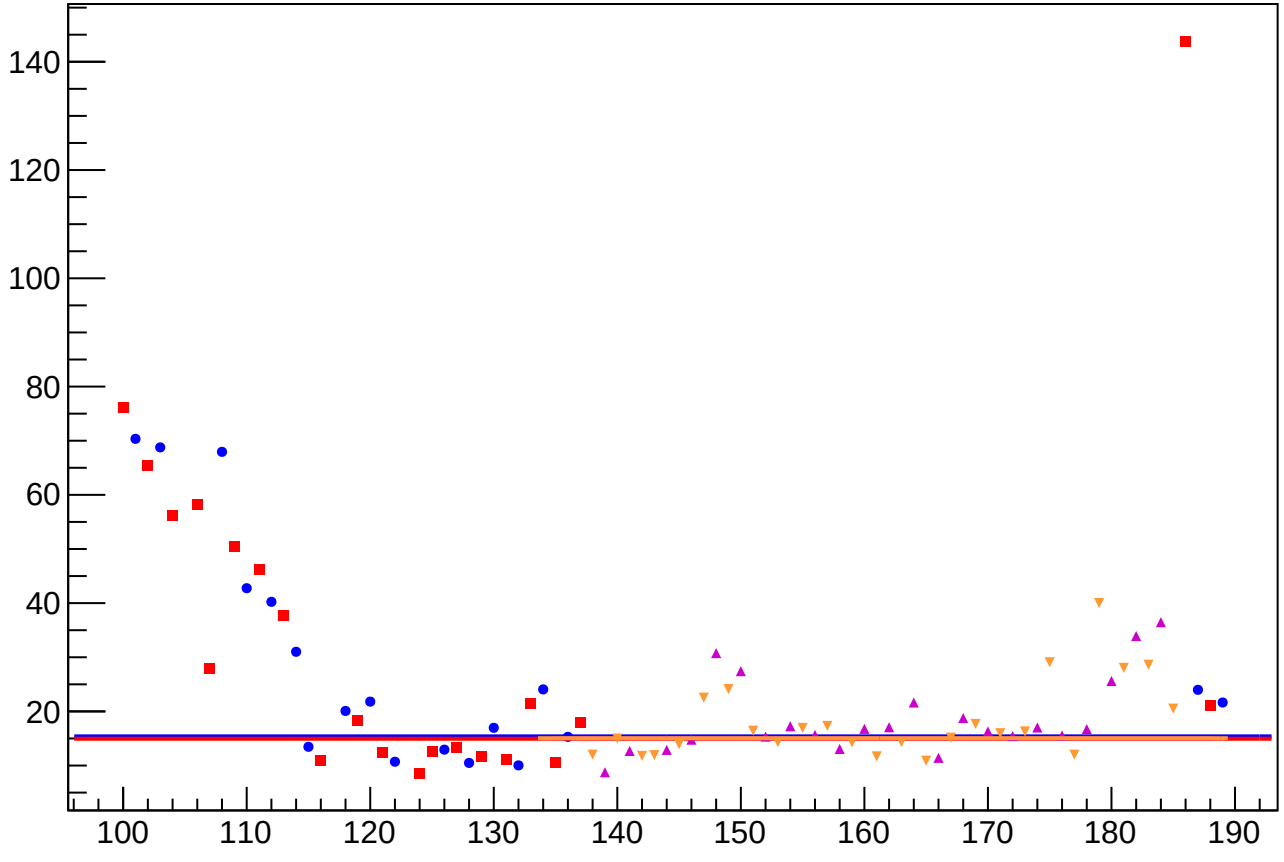
Right: -0.007+/-0.004 χ^2/NDF: 28.9/38

In: 0.001+/-0.003 χ^2/NDF:54.6/40

Out: 0.002+/-0.003 χ^2/NDF:43.8/45

All: 0.002+/-0.002 χ^2/NDF: 98.5/86

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.389+/-0.005 χ^2/NDF: 3555154.8/17

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 14.950+/-0.004 χ^2/NDF: 4412918.1/20

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

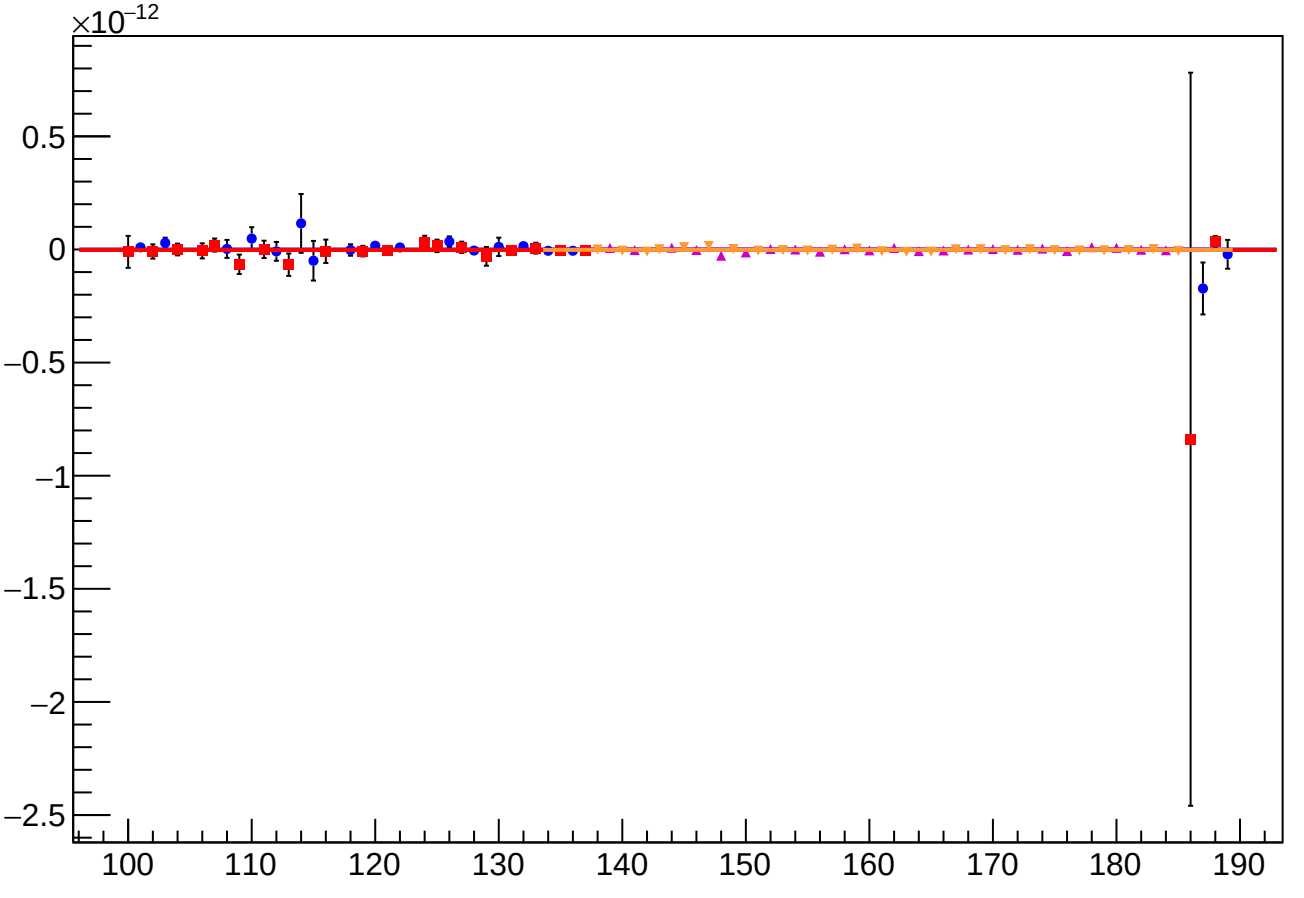
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.155+/-0.003 χ^2/NDF: 7972845.1/38

In: 15.149+/-0.002 χ^2/NDF:6625381.9/40

Out: 15.021+/-0.002 χ^2/NDF:7171559.8/45

All: 15.082+/-0.002 χ^2/NDF: 13798522.4/86



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 9.2/20

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

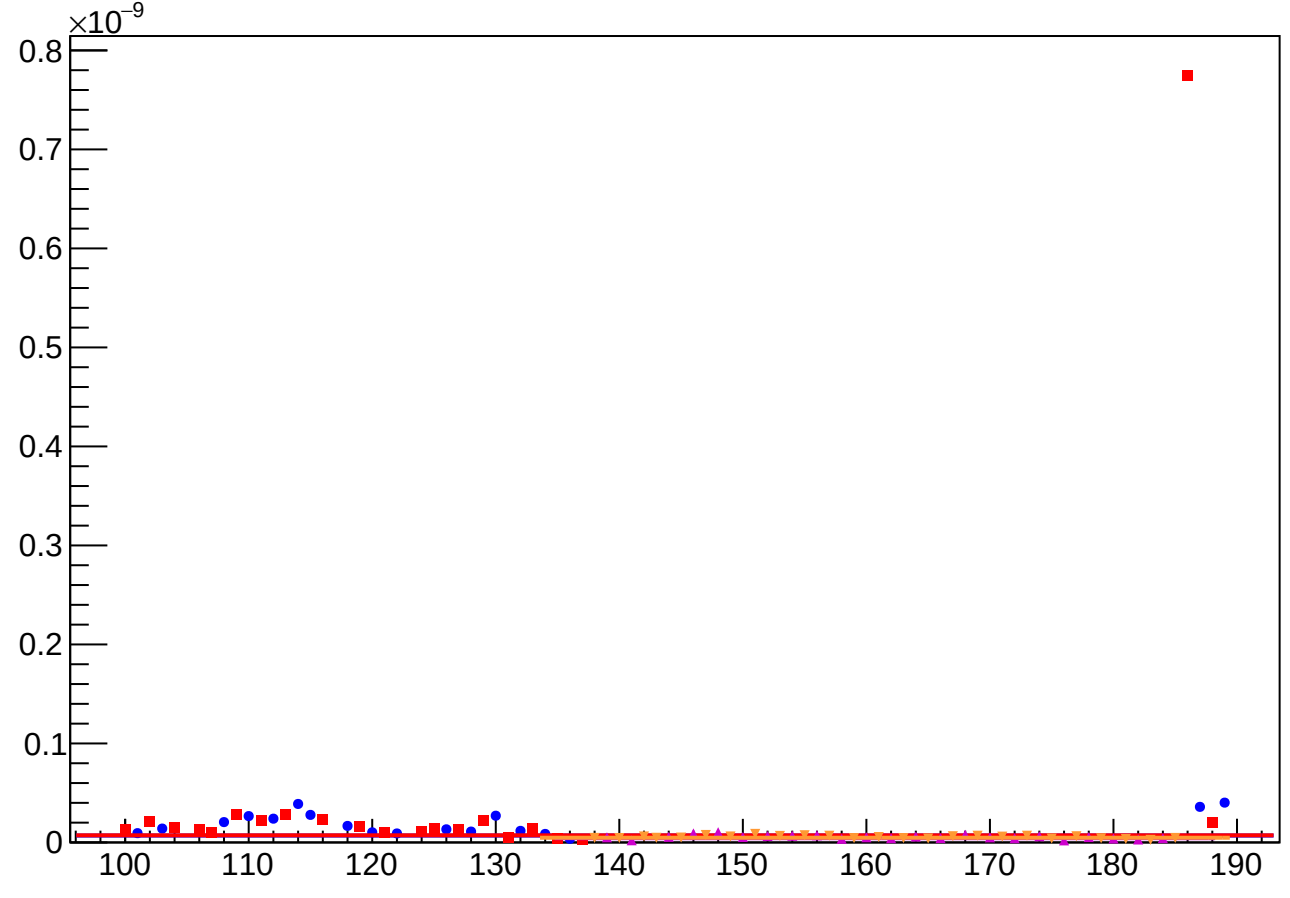
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 21.1/38

In: -0.000+/-0.000 χ^2/NDF:33.0/40

Out: -0.000+/-0.000 χ^2/NDF:24.4/45

All: -0.000+/-0.000 χ^2/NDF: 58.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 4188280.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5205619.1/20

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

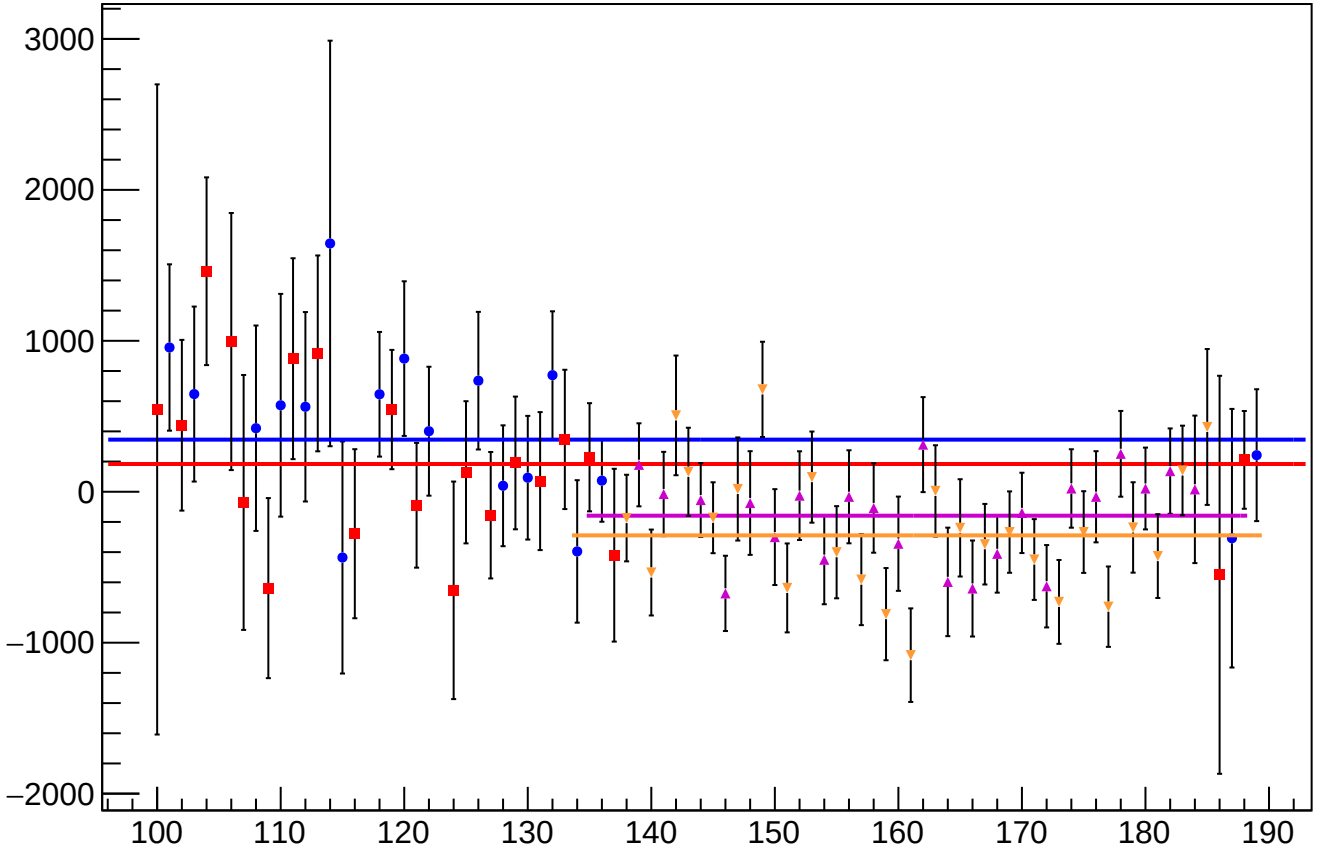
Right: 0.000+/-0.000 χ^2/NDF: 9397937.3/38

In: 0.000+/-0.000 χ^2/NDF:8611388.7/40

Out: 0.000+/-0.000 χ^2/NDF:8003233.1/45

All: 0.000+/-0.000 χ^2/NDF: 16746992.2/86

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 345.338+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 183.815+/-112.269 χ^2/NDF: 15.3/20

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

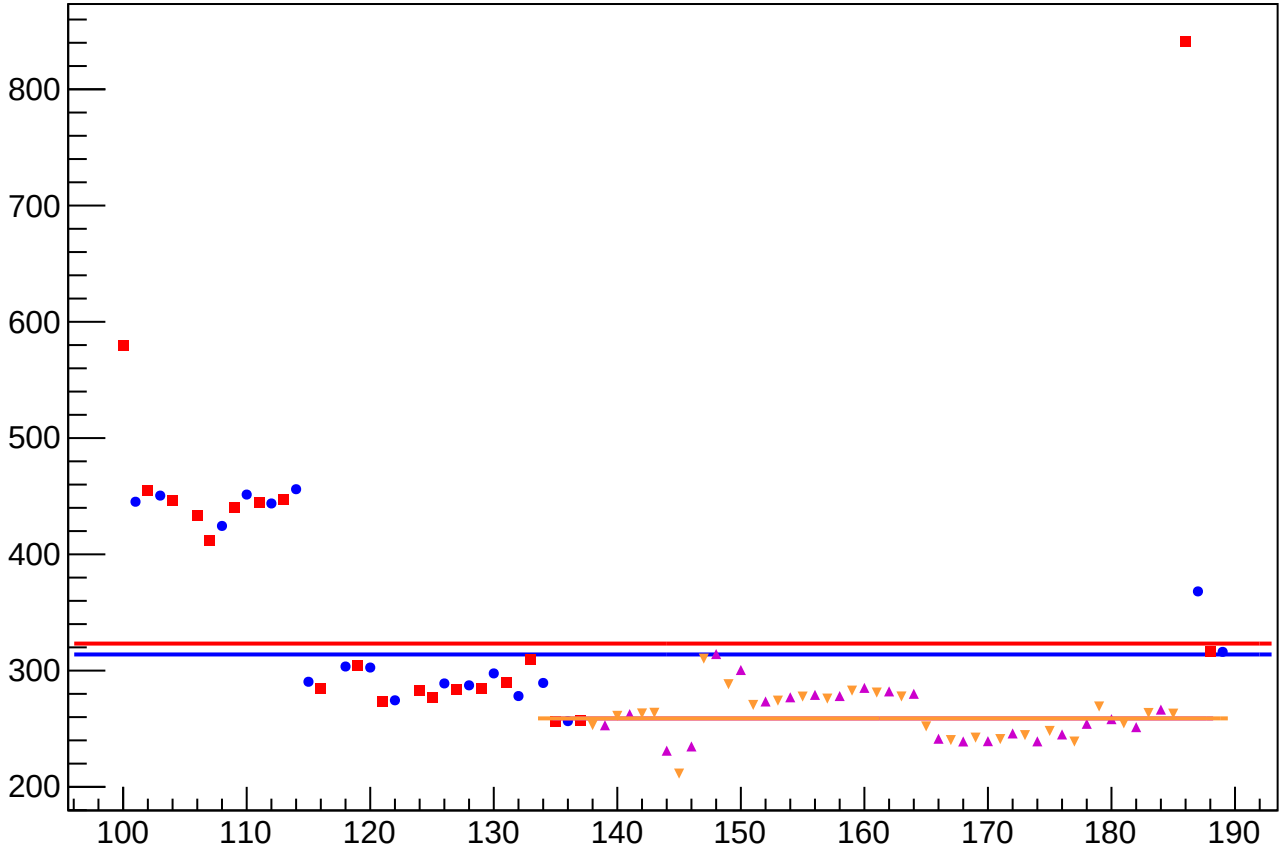
Right: 263.563+/-79.883 χ^2/NDF: 28.5/38

In: -46.789+/-53.551 χ^2/NDF:50.0/40

Out: -186.525+/-52.251 χ^2/NDF:71.6/45

All: -118.373+/-37.398 χ^2/NDF: 125.1/86

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.891+/-0.080 χ^2/NDF: 610482.8/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.247+/-0.079 χ^2/NDF: 1008560.1/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

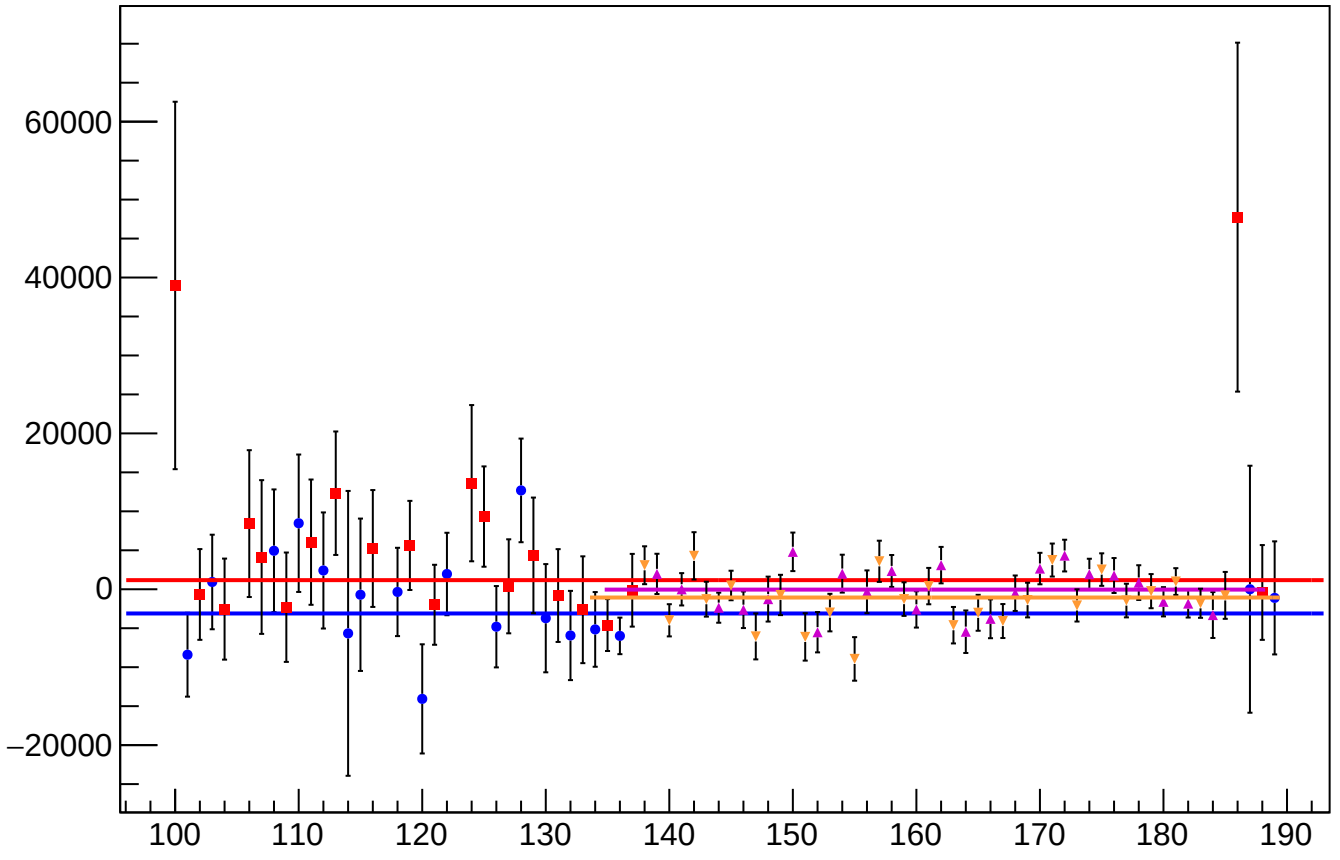
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.628+/-0.056 χ^2/NDF: 1625901.0/38

In: 271.057+/-0.038 χ^2/NDF:1220305.8/40

Out: 272.848+/-0.037 χ^2/NDF:1771803.2/45

All: 271.974+/-0.026 χ^2/NDF: 2993254.7/86



Right In: -3106.392+/-1326.172 χ^2/NDF: 16.2/17

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1170.501+/-1401.573 χ^2/NDF: 18.8/20

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

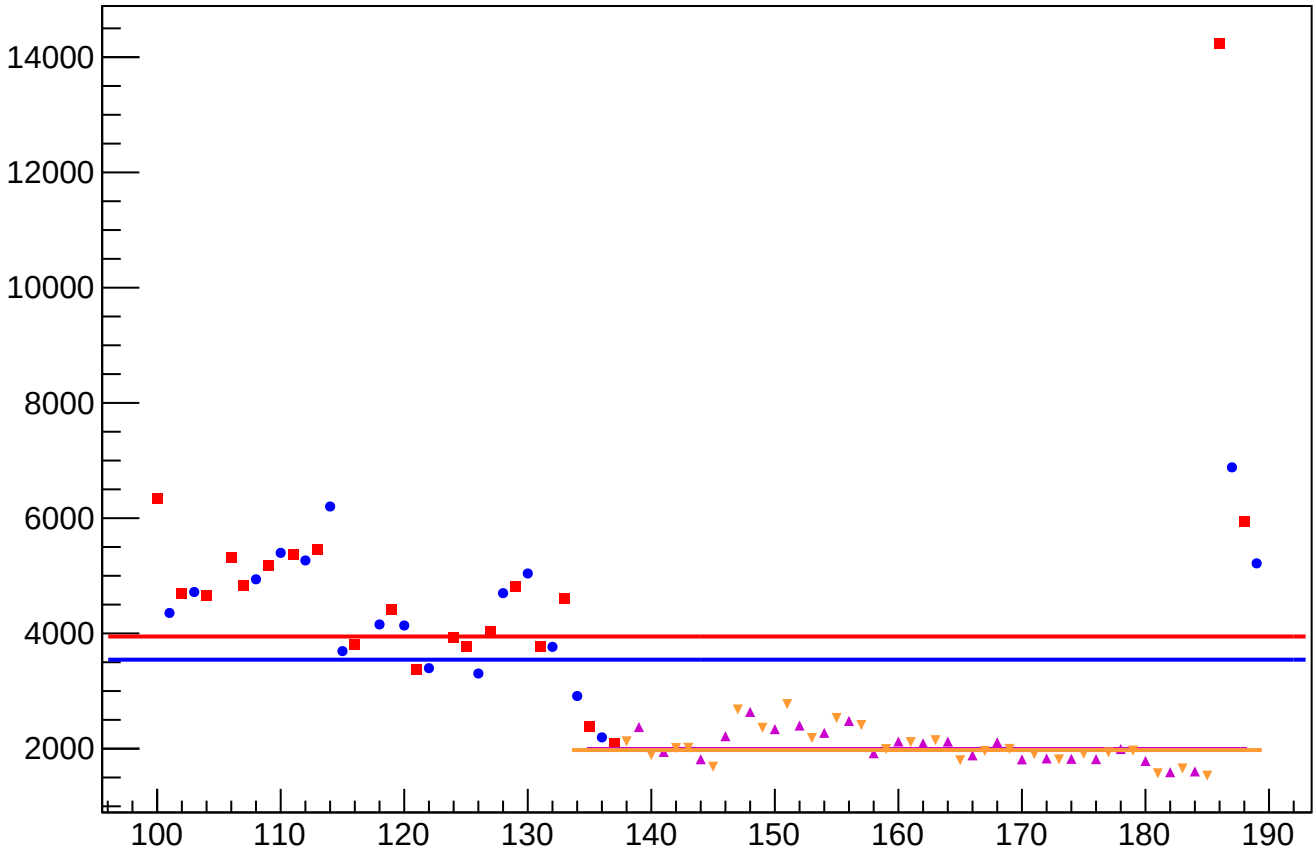
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1086.079+/-963.299 χ^2/NDF: 39.9/38

In: -386.939+/-443.588 χ^2/NDF:55.1/40

Out: -846.939+/-432.468 χ^2/NDF:62.6/45

All: -622.777+/-309.658 χ^2/NDF: 118.3/86



Right In: 3544.489+/-0.938 χ^2/NDF: 1511883.1/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3946.715+/-0.991 χ^2/NDF: 1818119.0/20

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

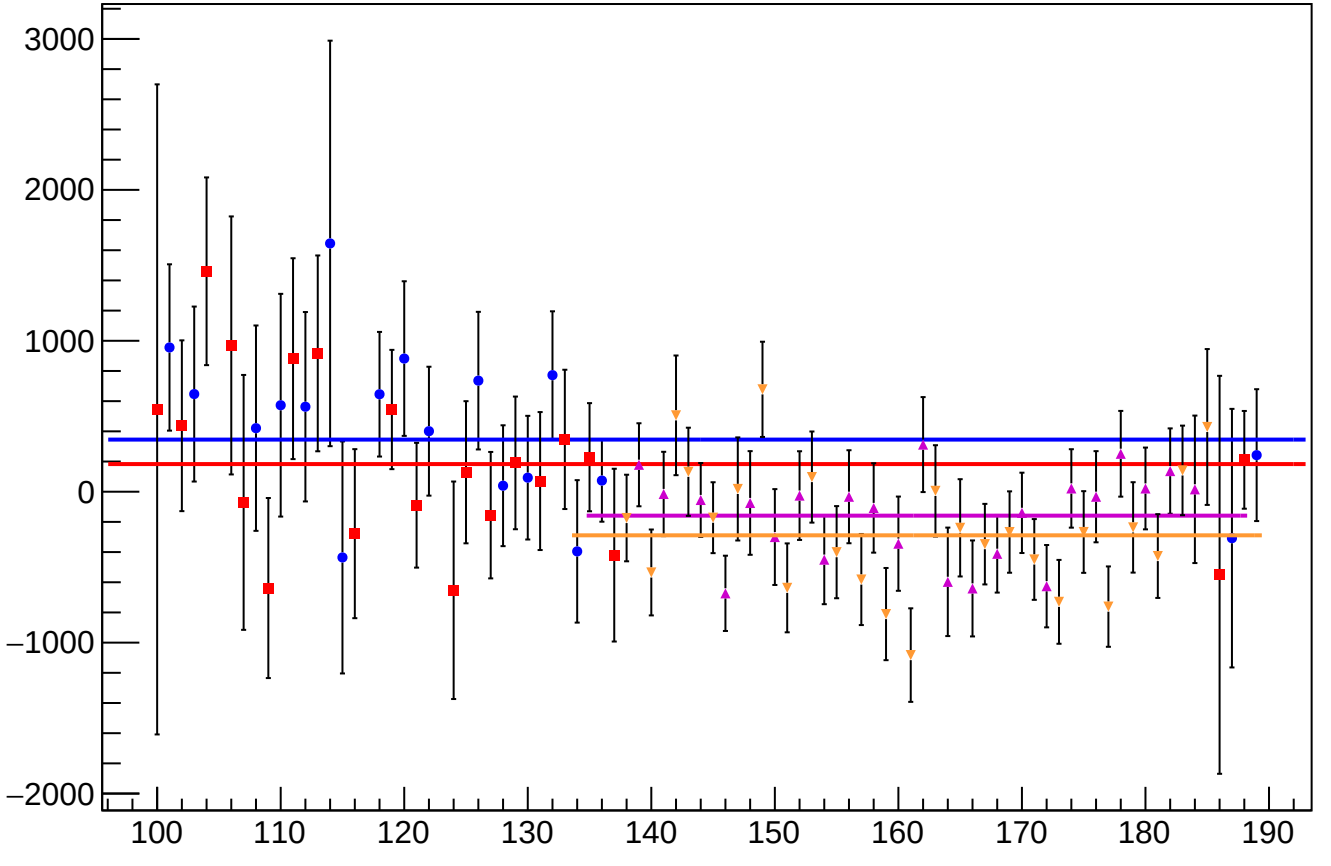
Right: 3734.492+/-0.681 χ^2/NDF: 3416910.5/38

In: 2168.147+/-0.314 χ^2/NDF:4537441.3/40

Out: 2163.599+/-0.306 χ^2/NDF:6159189.0/45

All: 2165.815+/-0.219 χ^2/NDF: 10696738.1/8

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 345.323+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 183.103+/-112.279 χ^2/NDF: 15.3/20

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

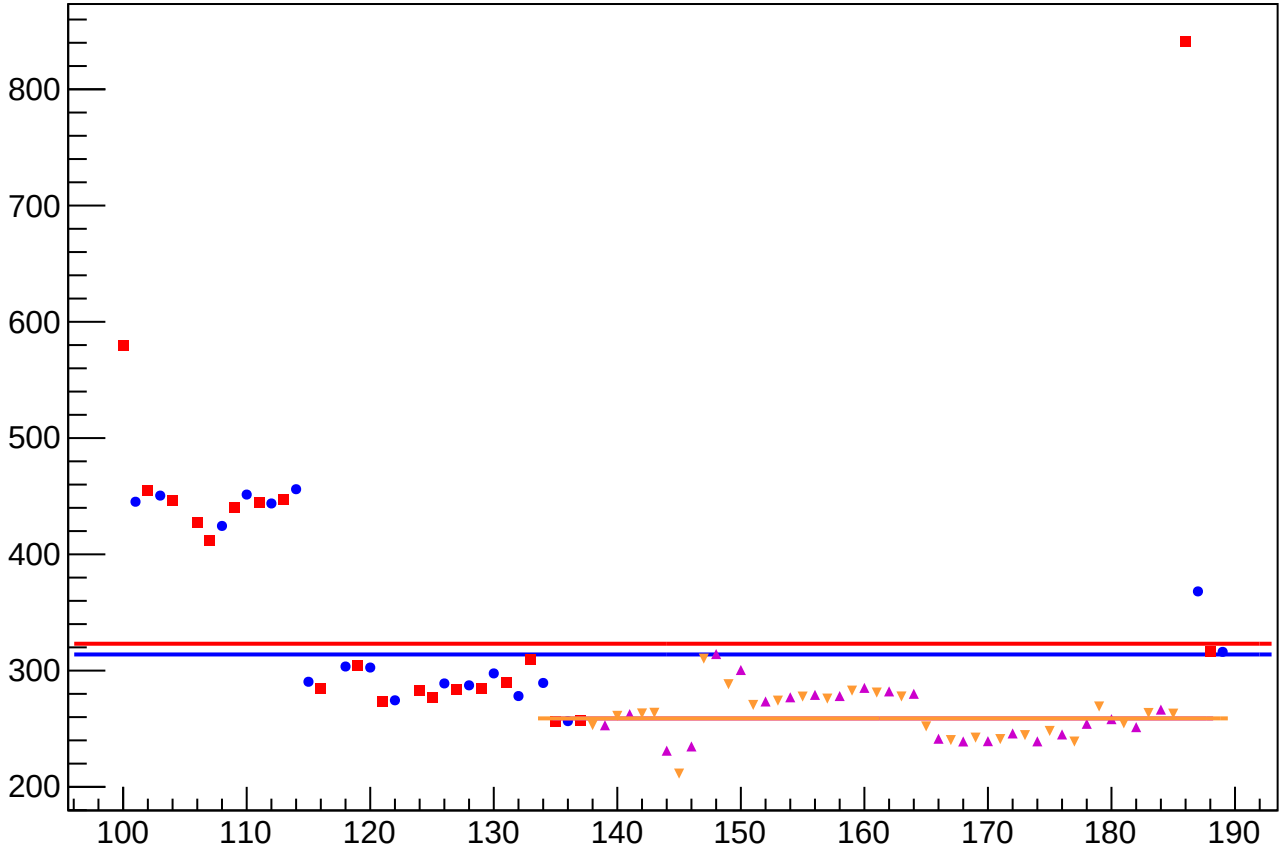
Right: 263.202+/-79.886 χ^2/NDF: 28.4/38

In: -46.802+/-53.551 χ^2/NDF:50.0/40

Out: -186.695+/-52.252 χ^2/NDF:71.5/45

All: -118.465+/-37.399 χ^2/NDF: 125.0/86

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.891+/-0.080 χ^2/NDF: 610484.2/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.119+/-0.079 χ^2/NDF: 1004536.0/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

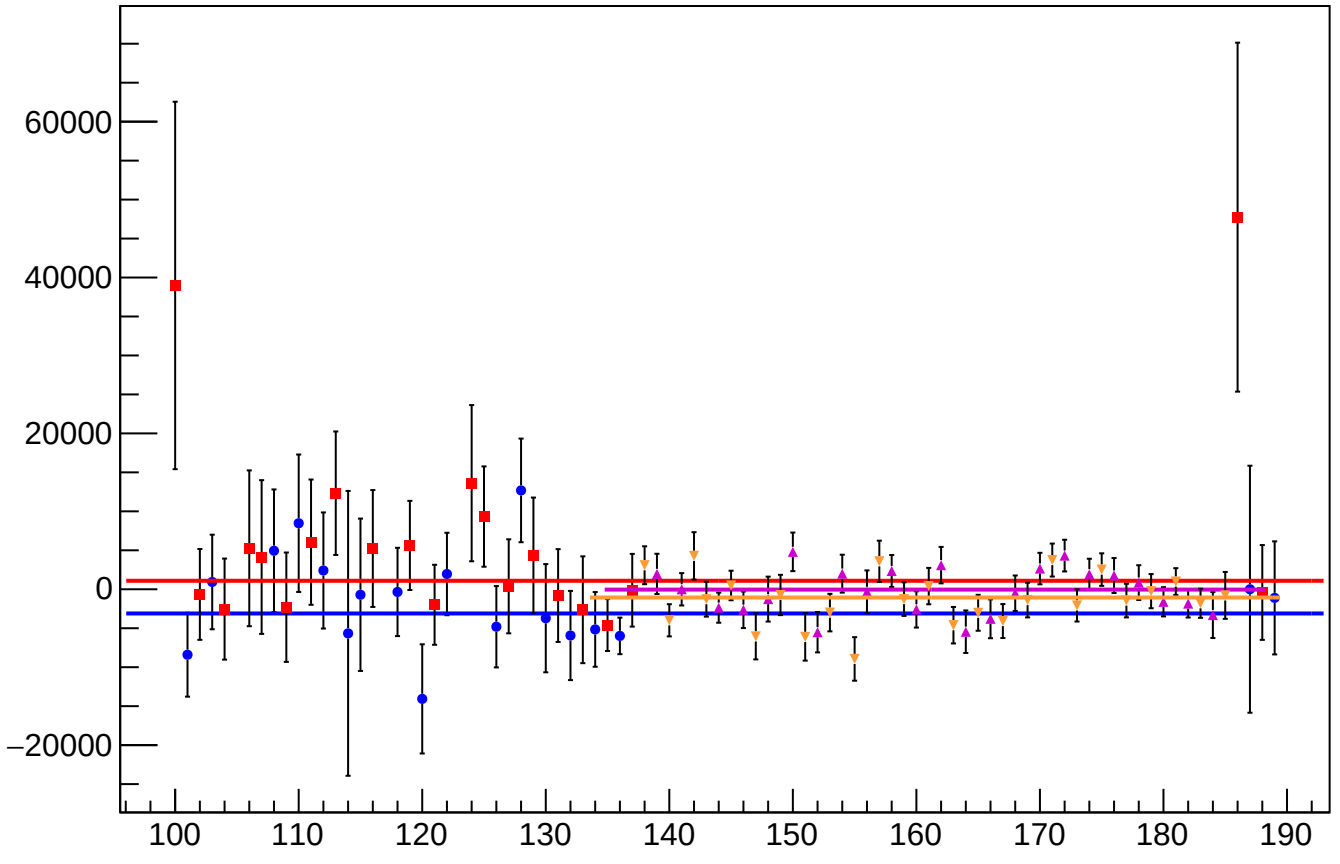
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.562+/-0.056 χ^2/NDF: 1621690.4/38

In: 271.057+/-0.038 χ^2/NDF:1220307.4/40

Out: 272.818+/-0.037 χ^2/NDF:1765657.6/45

All: 271.959+/-0.026 χ^2/NDF: 2987073.0/86



Right In: -3106.325+/-1326.174 χ^2/NDF: 16.2/17

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1090.623+/-1403.349 χ^2/NDF: 18.4/20

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

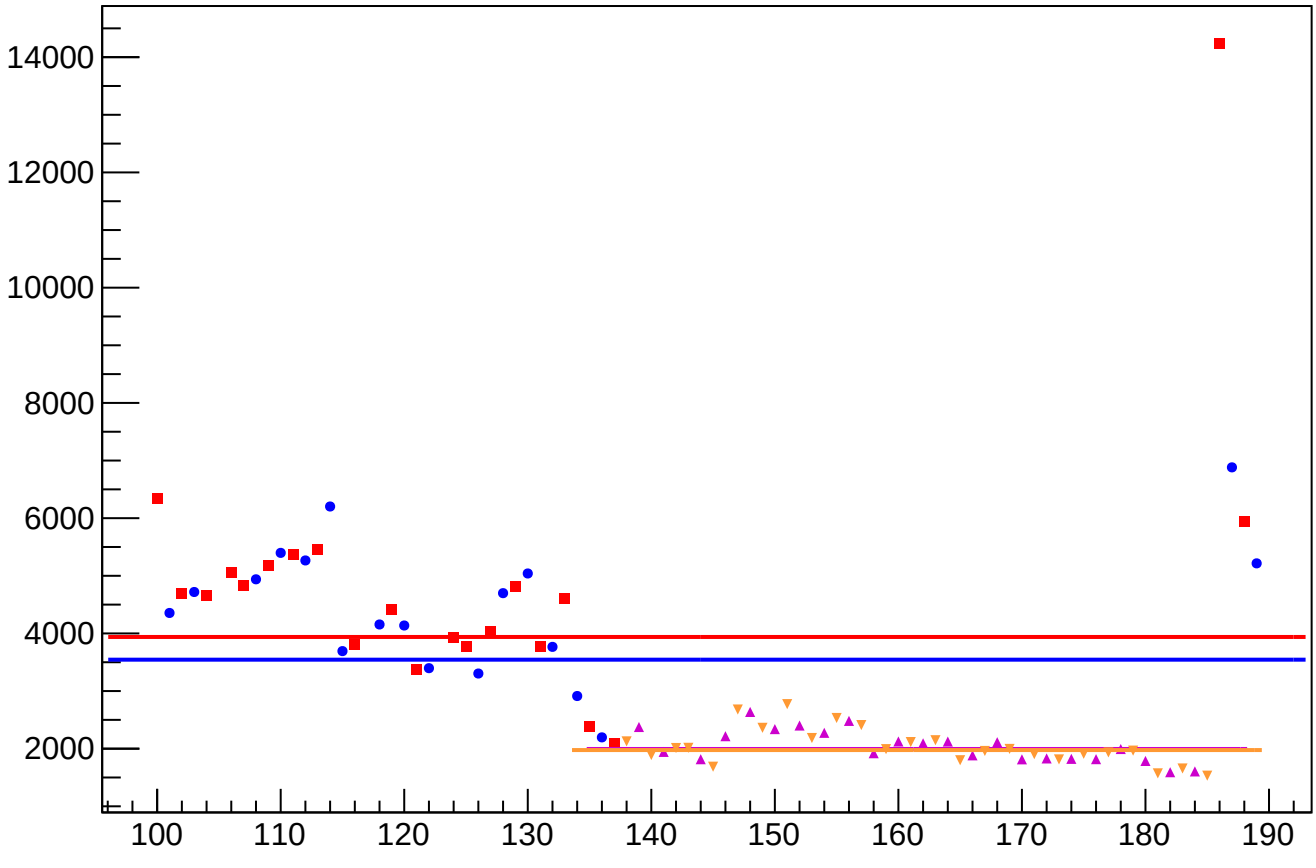
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1126.420+/-963.875 χ^2/NDF: 39.3/38

In: -386.927+/-443.588 χ^2/NDF:55.1/40

Out: -855.016+/-432.520 χ^2/NDF:62.0/45

All: -626.884+/-309.677 χ^2/NDF: 117.7/86



Right In: 3544.493+/-0.938 χ^2/NDF: 1511898.6/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3938.595+/-0.992 χ^2/NDF: 1801343.8/20

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

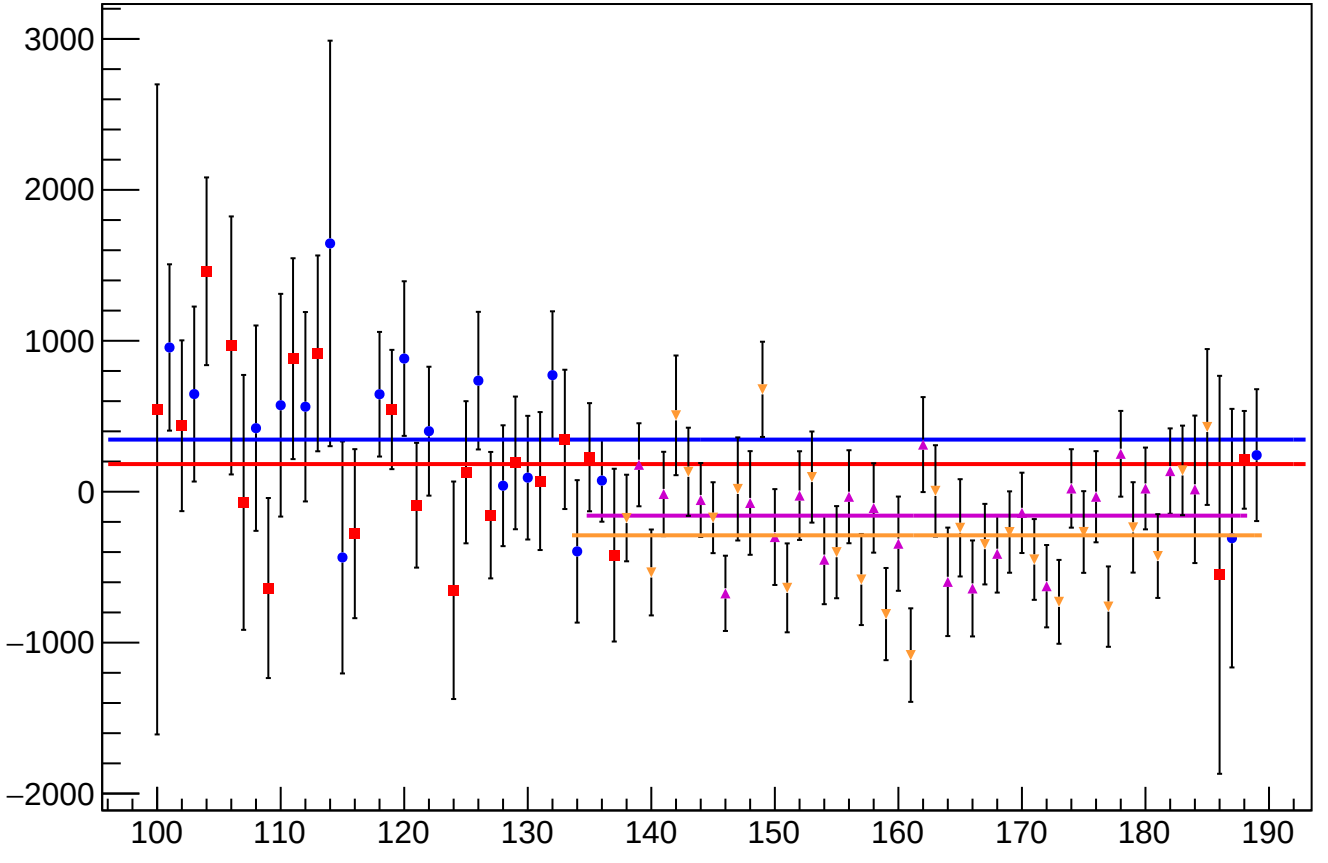
Right: 3730.410+/-0.682 χ^2/NDF: 3396563.6/38

In: 2168.147+/-0.314 χ^2/NDF:4537462.3/40

Out: 2162.399+/-0.306 χ^2/NDF:6104871.2/45

All: 2165.200+/-0.219 χ^2/NDF: 10642505.6/8

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 345.323+/-113.688 χ^2/NDF: 12.1/17

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 183.103+/-112.279 χ^2/NDF: 15.3/20

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

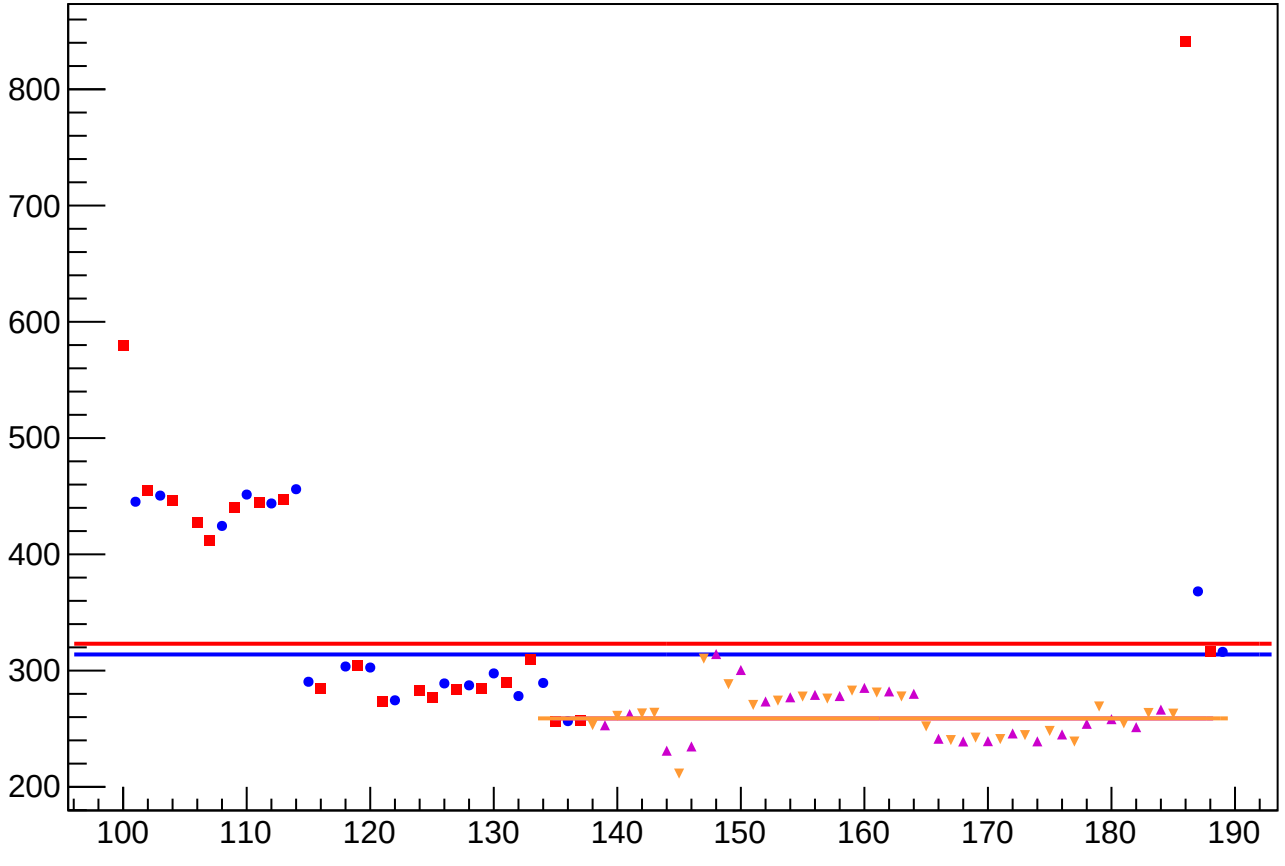
Right: 263.202+/-79.886 χ^2/NDF: 28.4/38

In: -46.802+/-53.551 χ^2/NDF:50.0/40

Out: -186.695+/-52.252 χ^2/NDF:71.5/45

All: -118.465+/-37.399 χ^2/NDF: 125.0/86

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.891+/-0.080 χ^2/NDF: 610484.2/17

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.119+/-0.079 χ^2/NDF: 1004536.0/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

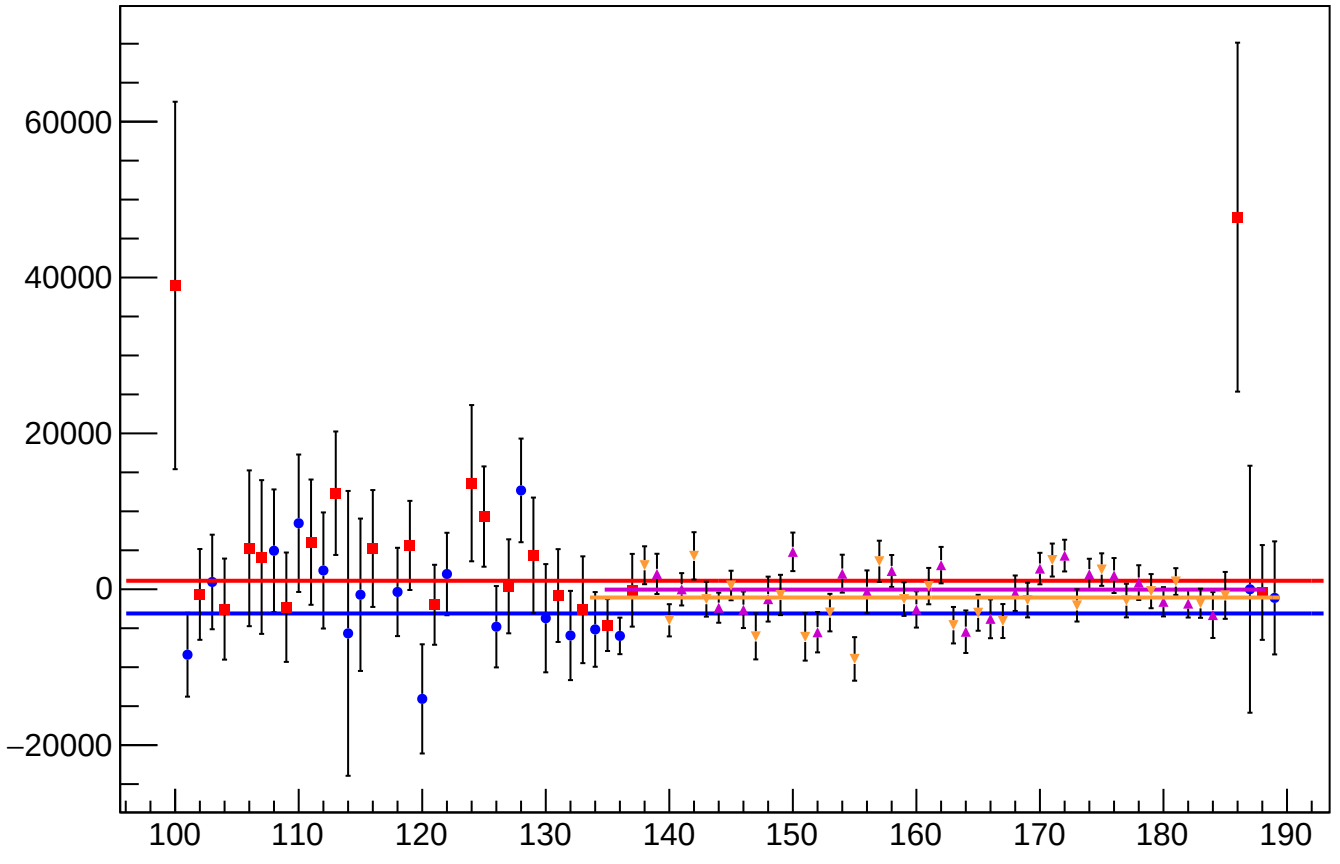
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.562+/-0.056 χ^2/NDF: 1621690.4/38

In: 271.057+/-0.038 χ^2/NDF:1220307.4/40

Out: 272.818+/-0.037 χ^2/NDF:1765657.6/45

All: 271.959+/-0.026 χ^2/NDF: 2987073.0/86



Right In: -3106.325+/-1326.174 χ^2/NDF: 16.2/17

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1090.623+/-1403.349 χ^2/NDF: 18.4/20

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

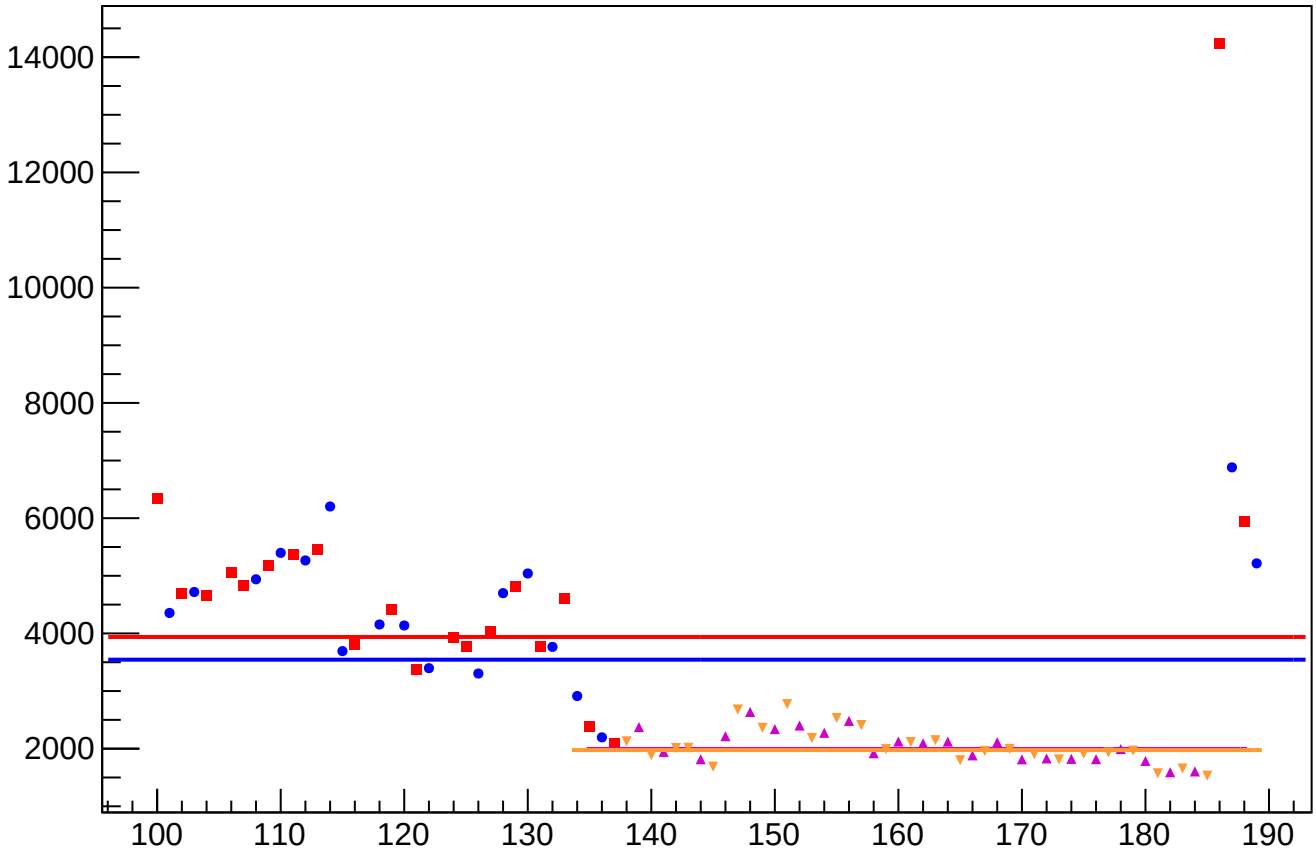
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1126.420+/-963.875 χ^2/NDF: 39.3/38

In: -386.927+/-443.588 χ^2/NDF:55.1/40

Out: -855.016+/-432.520 χ^2/NDF:62.0/45

All: -626.884+/-309.677 χ^2/NDF: 117.7/86



Right In: 3544.493+/-0.938 χ^2/NDF: 1511898.6/17

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3938.595+/-0.992 χ^2/NDF: 1801343.8/20

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

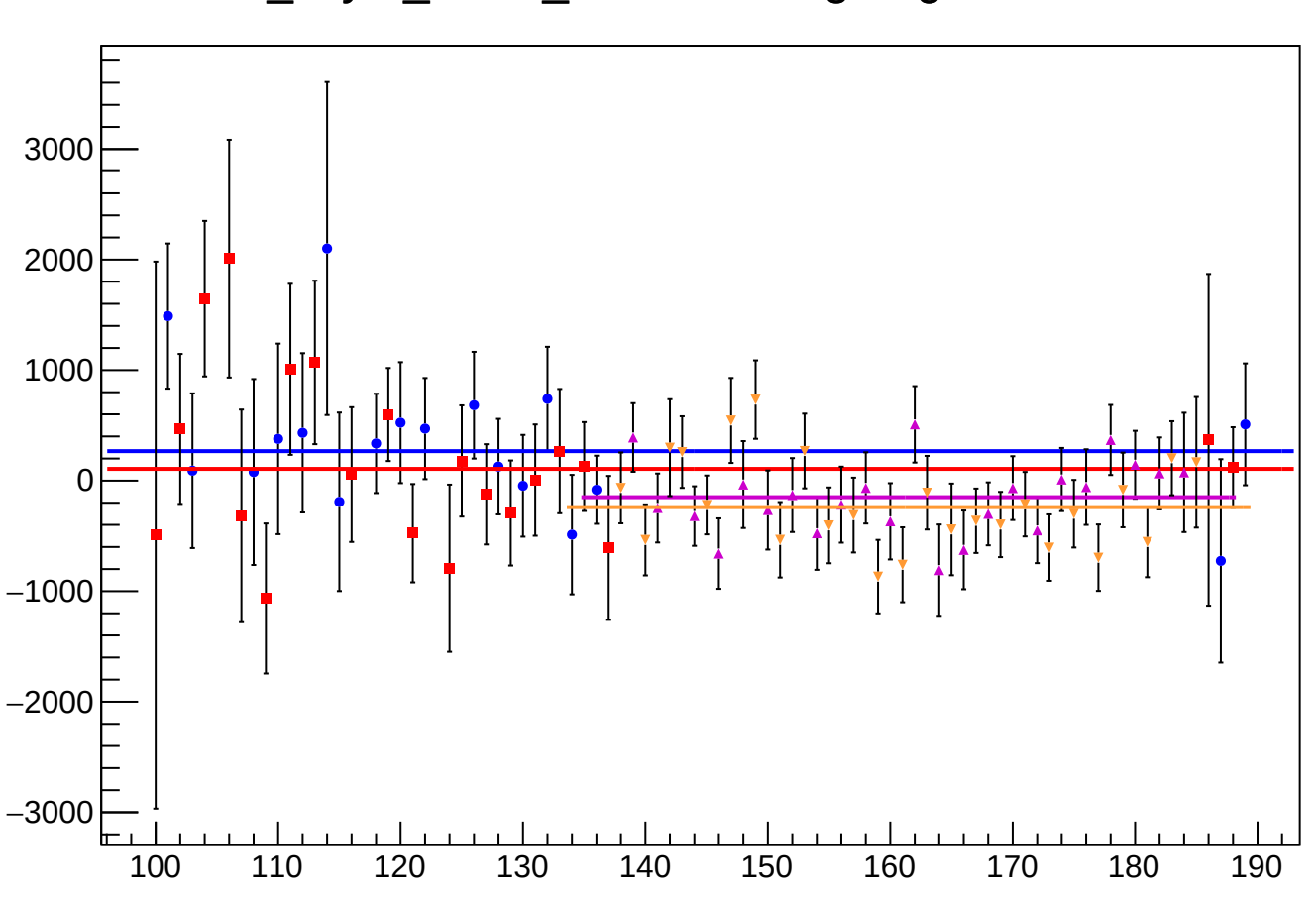
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3730.410+/-0.682 χ^2/NDF: 3396563.6/38

In: 2168.147+/-0.314 χ^2/NDF:4537462.3/40

Out: 2162.399+/-0.306 χ^2/NDF:6104871.2/45

All: 2165.200+/-0.219 χ^2/NDF: 10642505.6/8



Right In: 266.980+/-127.617 χ^2/NDF: 12.8/17

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 106.235+/-124.993 χ^2/NDF: 21.3/20

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

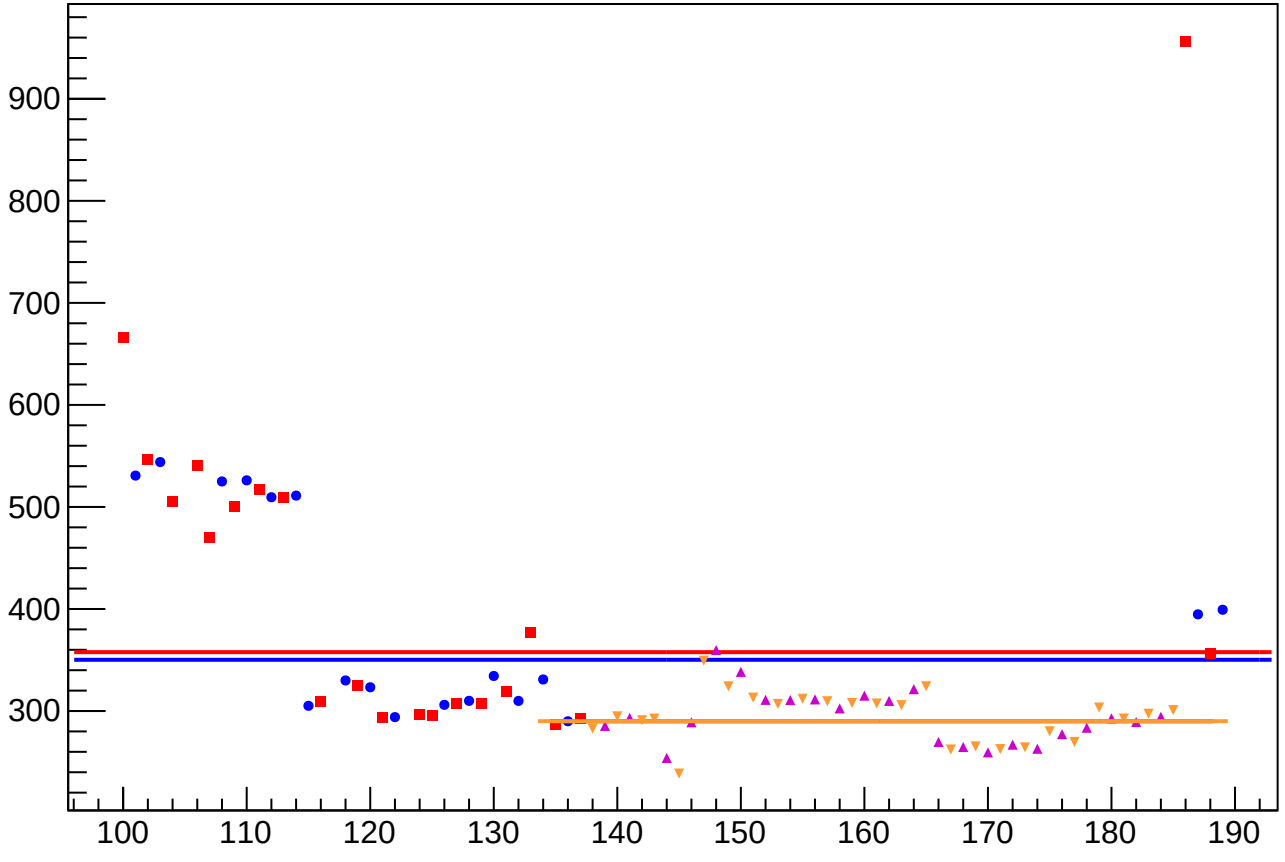
Right: 184.938+/-89.297 χ^2/NDF: 35.0/38

In: -57.077+/-60.122 χ^2/NDF:42.8/40

Out: -163.860+/-58.479 χ^2/NDF:61.3/45

All: -111.948+/-41.920 χ^2/NDF: 105.8/86

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 350.215+/-0.090 χ^2/NDF: 790889.2/17

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.685+/-0.088 χ^2/NDF: 1186538.2/20

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

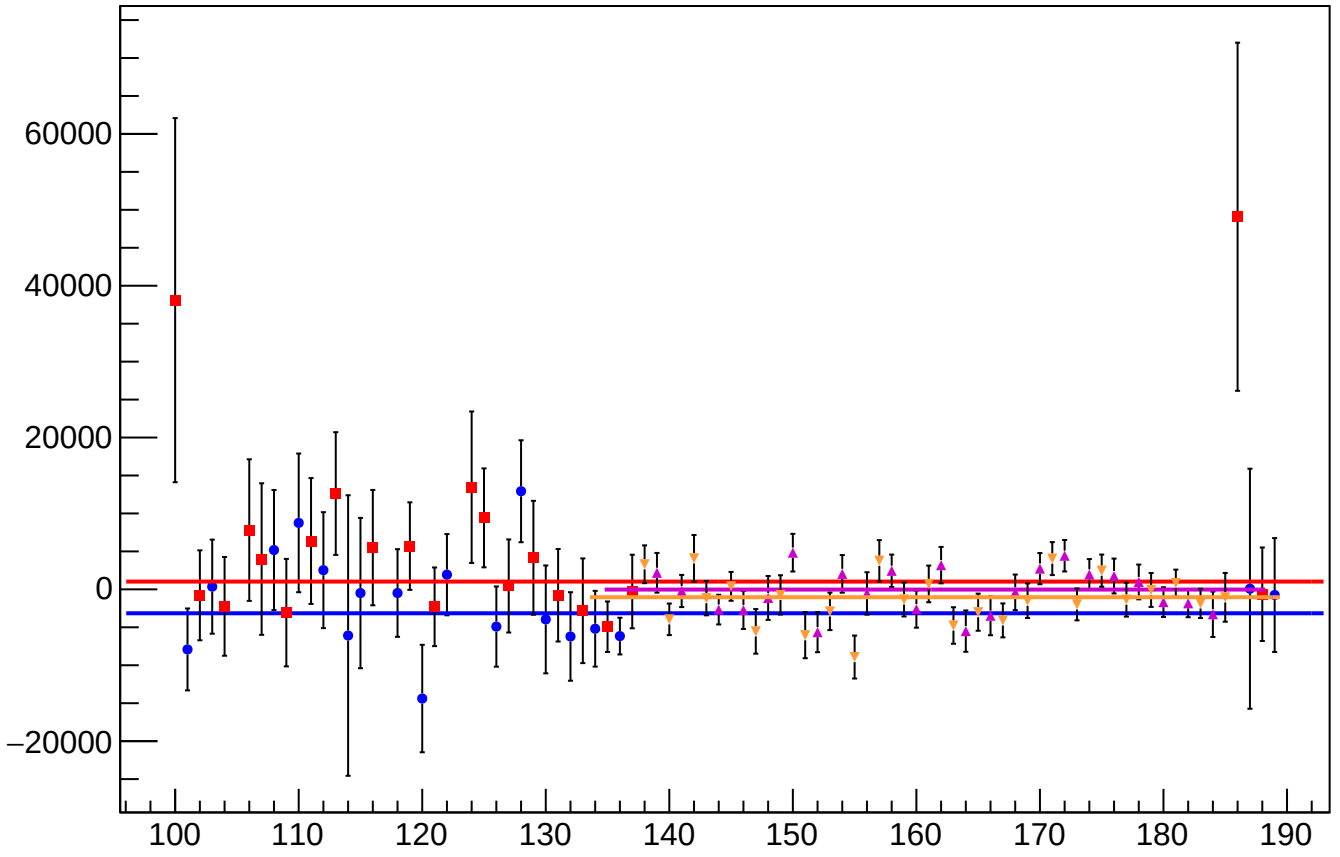
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 354.028+/-0.063 χ^2/NDF: 1980925.3/38

In: 303.319+/-0.043 χ^2/NDF:1407677.0/40

Out: 304.834+/-0.041 χ^2/NDF:1924977.0/45

All: 304.097+/-0.030 χ^2/NDF: 3333306.5/86



Right In: -3152.197+/-1356.145 χ^2/NDF: 16.2/17

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1022.444+/-1418.555 χ^2/NDF: 19.1/20

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

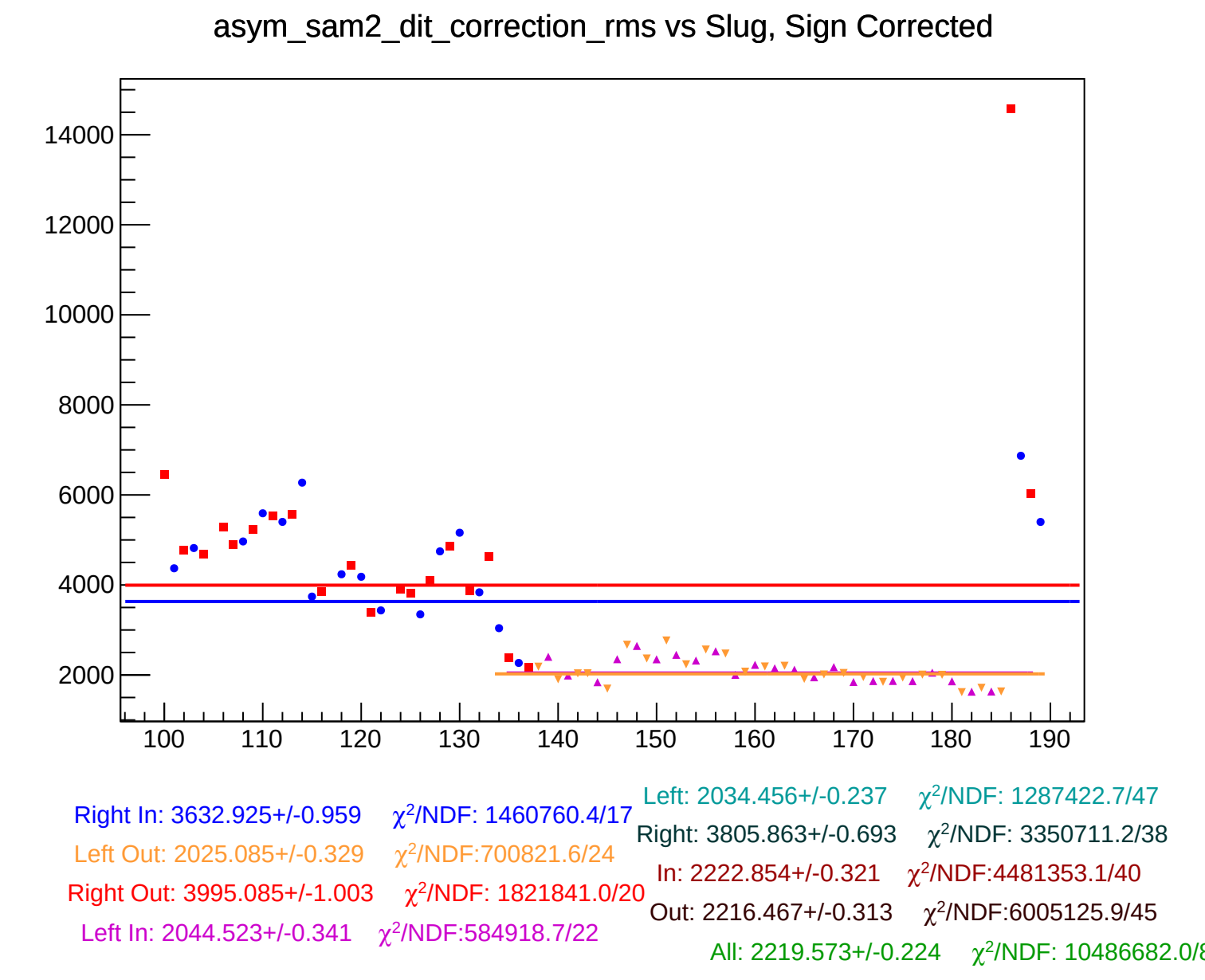
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

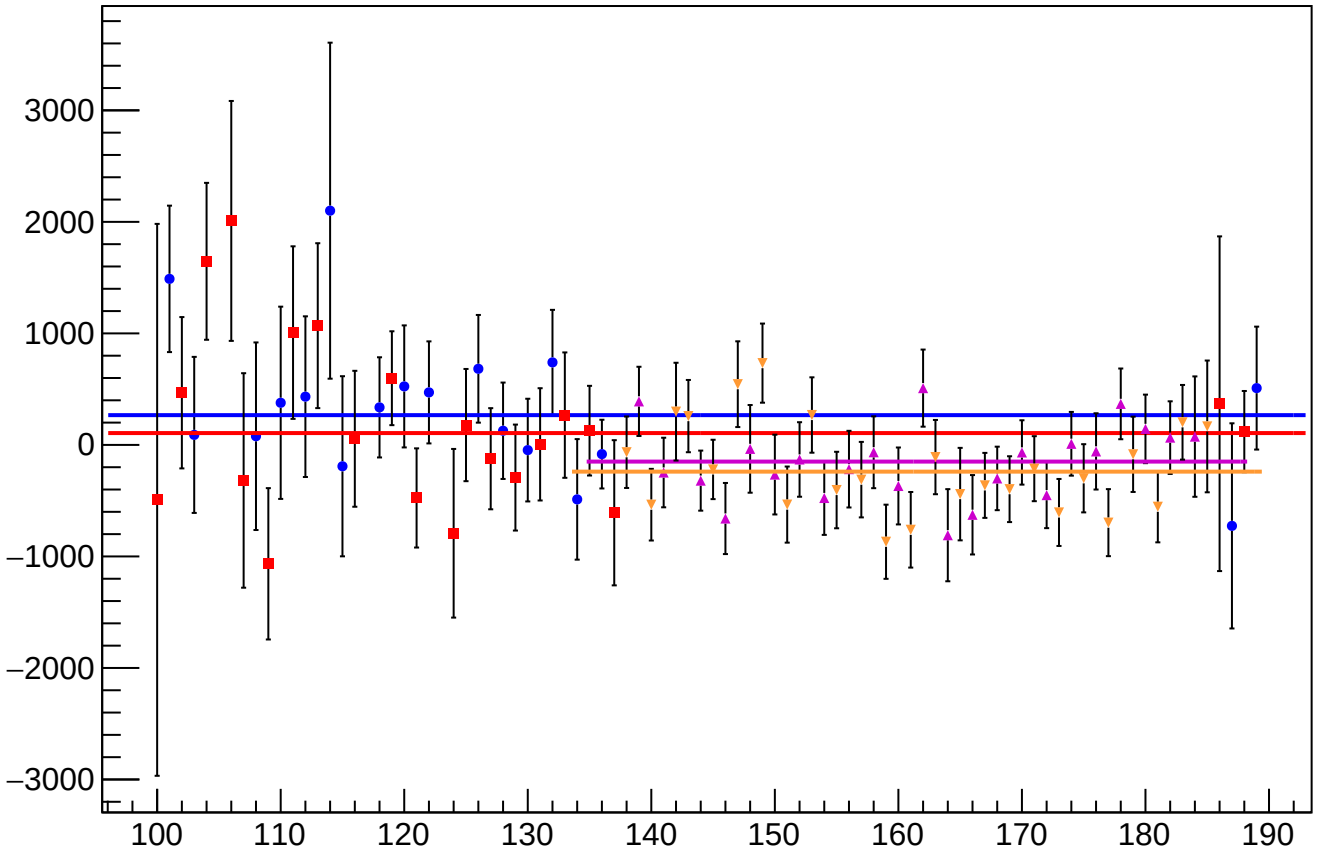
Right: -1158.727+/-980.260 χ^2/NDF: 39.8/38

In: -380.881+/-454.402 χ^2/NDF:55.0/40

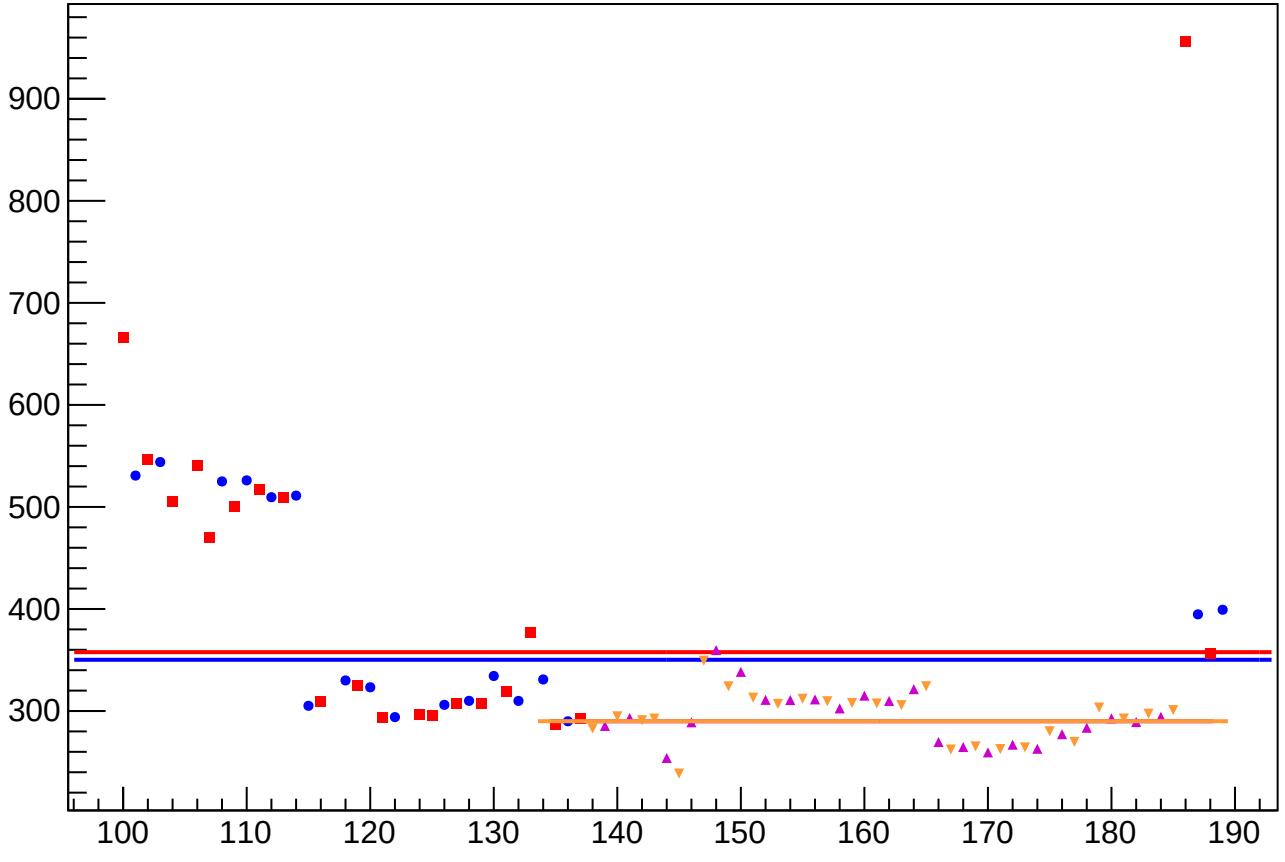
Out: -836.560+/-442.144 χ^2/NDF:61.3/45

All: -614.950+/-316.888 χ^2/NDF: 116.8/86


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3632.925+/-0.959 χ²/NDF: 1460760.4/17
Left Out: 2025.085+/-0.329 χ²/NDF:700821.6/24
Right Out: 3995.085+/-1.003 χ²/NDF: 1821841.0/20
Left In: 2044.523+/-0.341 χ²/NDF:584918.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287422.7/47
Right: 3805.863+/-0.693 χ²/NDF: 3350711.2/38
In: 2222.854+/-0.321 χ²/NDF:4481353.1/40
Out: 2216.467+/-0.313 χ²/NDF:6005125.9/45
All: 2219.573+/-0.224 χ²/NDF: 10486682.0/8


eigen_dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 266.984+/-127.617 χ²/NDF: 12.8/17
Left Out: -239.552+/-66.167 χ²/NDF:34.0/24
Right Out: 106.236+/-124.992 χ²/NDF: 21.3/20
Left In: -149.517+/-68.160 χ²/NDF:21.7/22
Left: -195.870+/-47.476 χ²/NDF: 56.6/47
Right: 184.940+/-89.296 χ²/NDF: 35.0/38
In: -57.076+/-60.122 χ²/NDF:42.8/40
Out: -163.862+/-58.479 χ²/NDF:61.3/45
All: -111.948+/-41.920 χ²/NDF: 105.8/86

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 350.213+/-0.090 χ^2/NDF: 790883.4/17

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 357.684+/-0.088 χ^2/NDF: 1186525.8/20

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

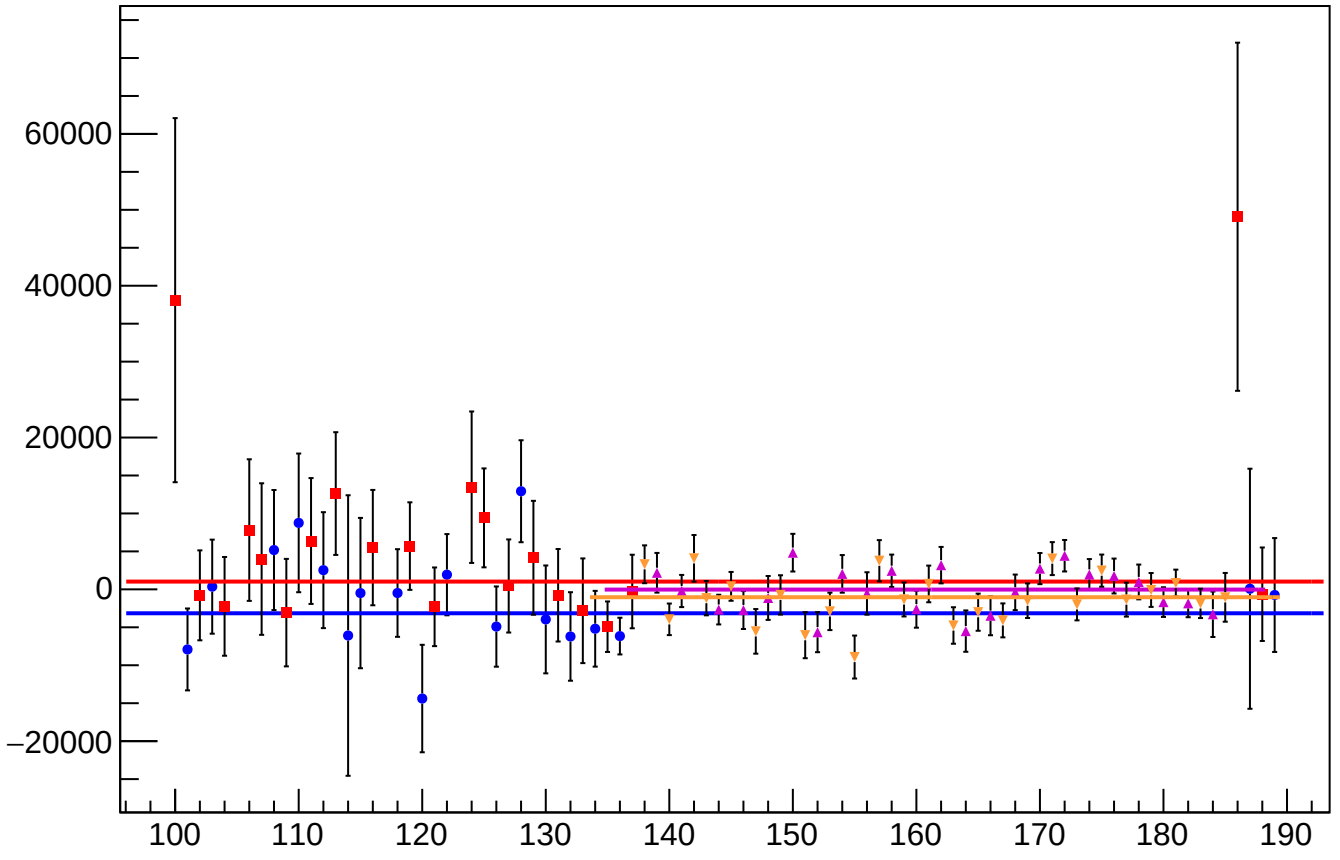
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 354.026+/-0.063 χ^2/NDF: 1980907.9/38

In: 303.318+/-0.043 χ^2/NDF:1407655.0/40

Out: 304.833+/-0.041 χ^2/NDF:1924957.8/45

All: 304.097+/-0.030 χ^2/NDF: 3333265.5/86



Right In: -3152.189+/-1356.143 χ^2/NDF: 16.2/17

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1022.448+/-1418.553 χ^2/NDF: 19.1/20

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

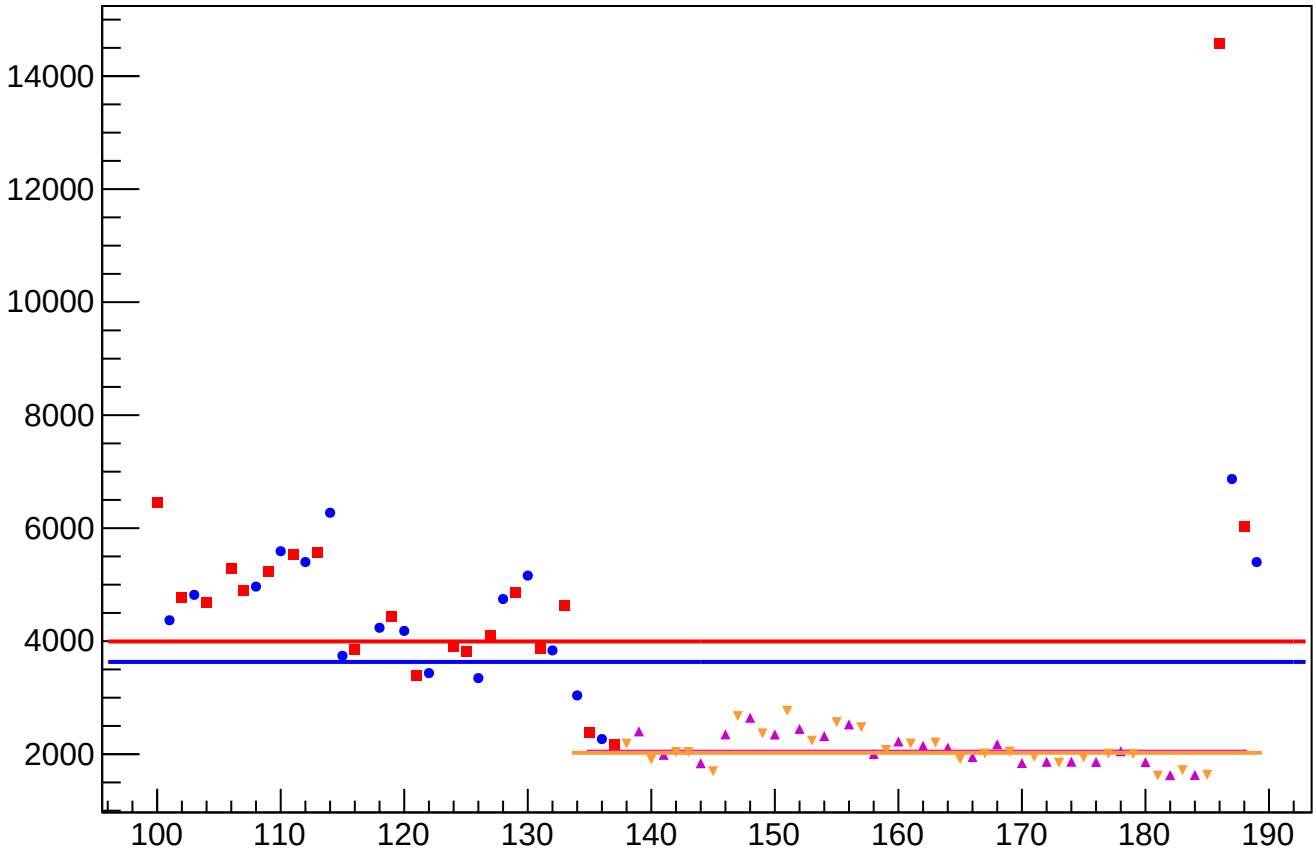
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1158.721+/-980.259 χ^2/NDF: 39.8/38

In: -380.880+/-454.401 χ^2/NDF:55.0/40

Out: -836.559+/-442.144 χ^2/NDF:61.3/45

All: -614.948+/-316.888 χ^2/NDF: 116.8/86



Right In: 3632.921+/-0.959 χ^2/NDF: 1460746.9/17

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 3995.080+/-1.003 χ^2/NDF: 1821832.0/20

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

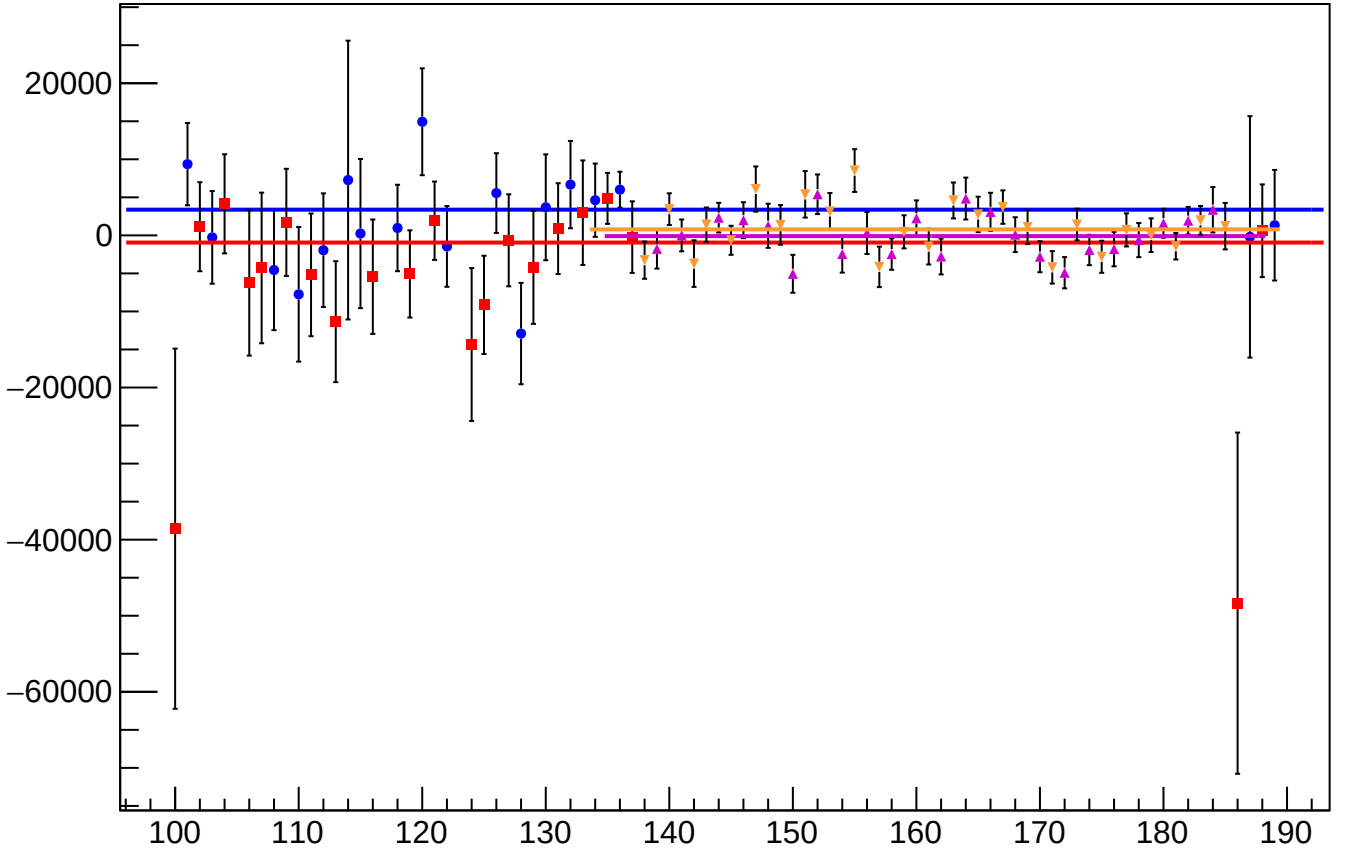
Right: 3805.859+/-0.693 χ^2/NDF: 3350688.4/38

In: 2222.854+/-0.321 χ^2/NDF:4481339.8/40

Out: 2216.467+/-0.313 χ^2/NDF:6005112.1/45

All: 2219.573+/-0.224 χ^2/NDF: 10486654.9/8

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3380.432+/-1332.420 χ^2/NDF: 16.5/17

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -942.696+/-1407.482 χ^2/NDF: 18.6/20

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

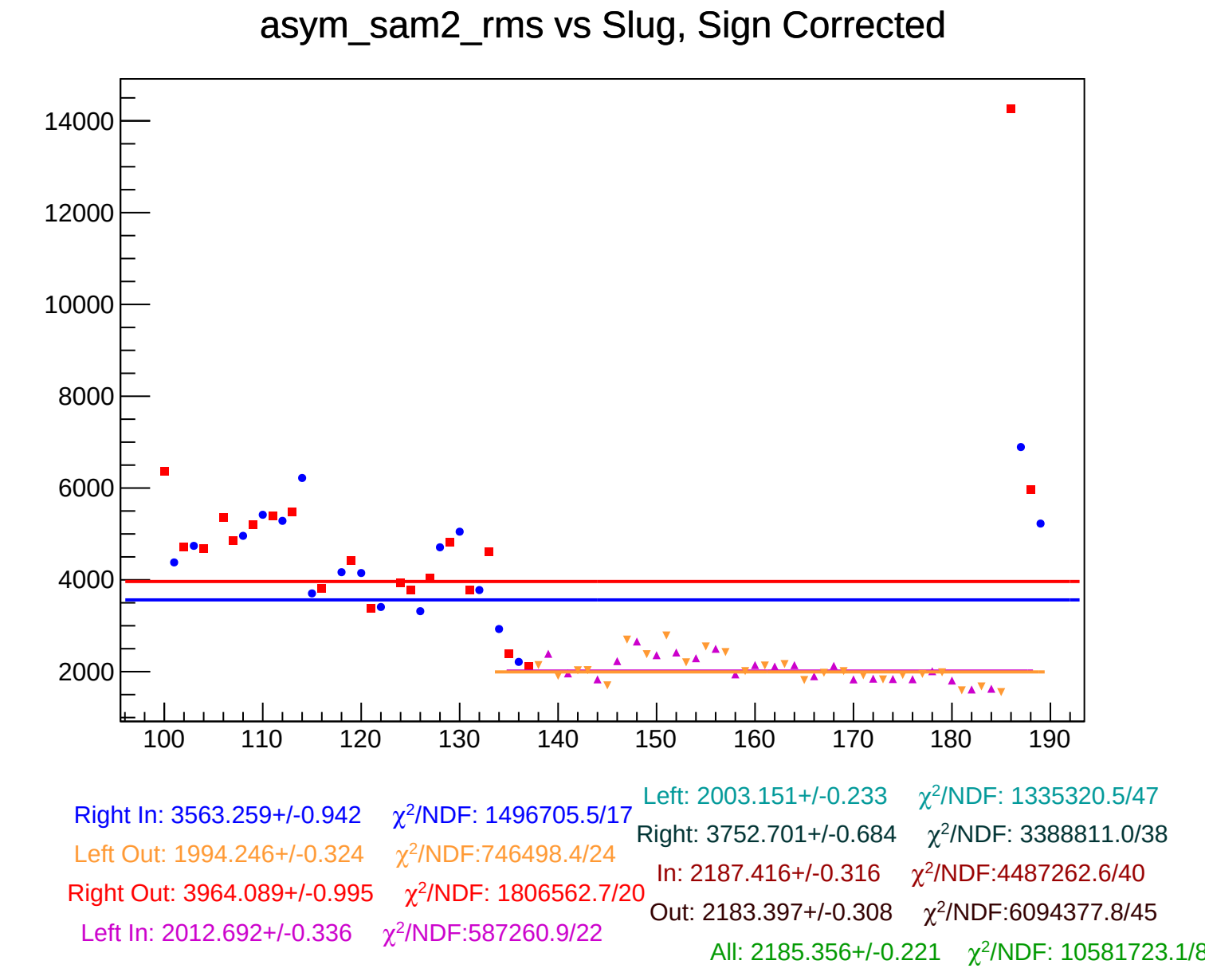
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

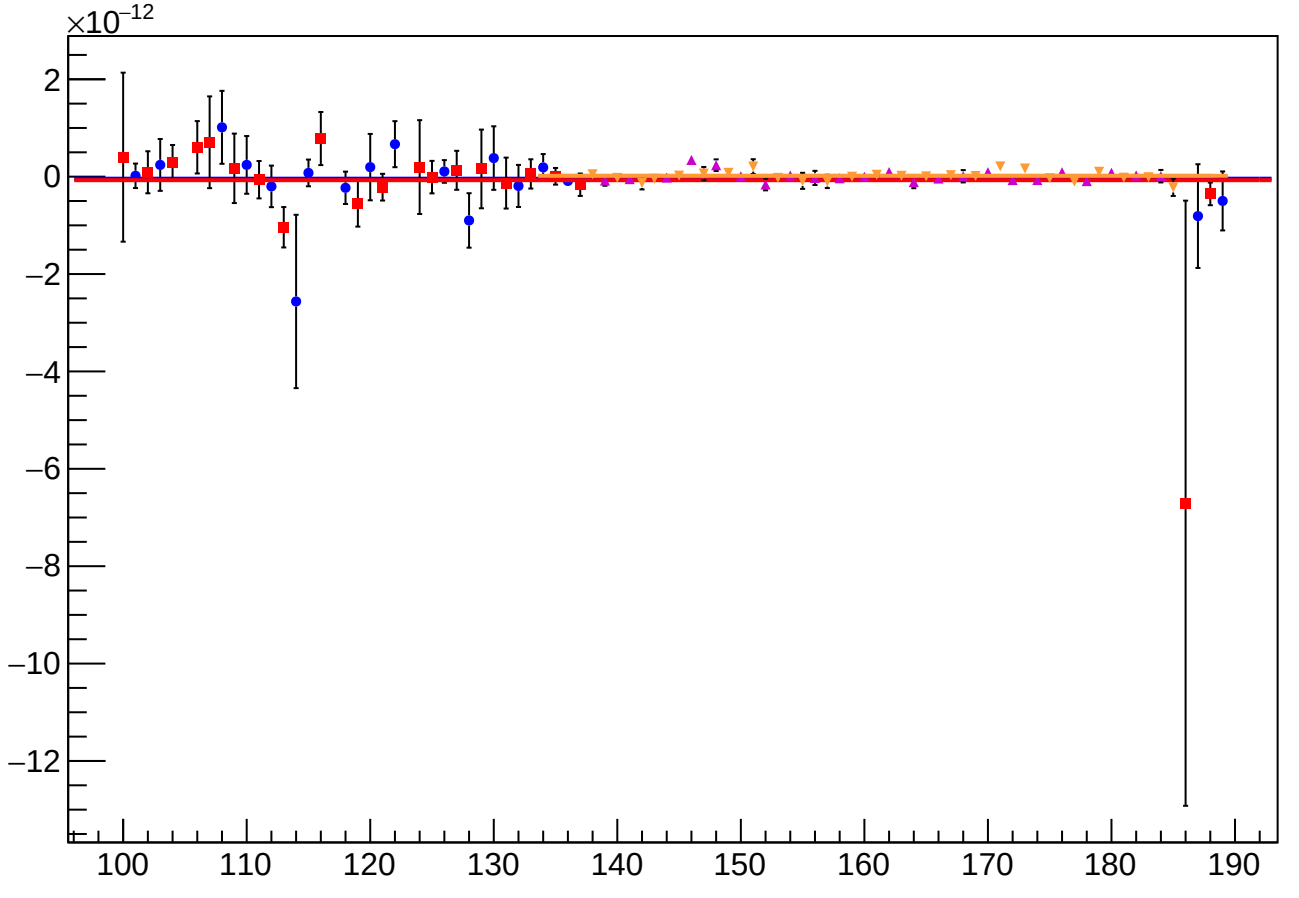
Right: 1337.215+/-967.611 χ^2/NDF: 40.0/38

In: 295.092+/-447.273 χ^2/NDF:55.3/40

Out: 622.102+/-436.146 χ^2/NDF:61.2/45

All: 462.715+/-312.261 χ^2/NDF: 116.9/86


asym_sam2_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3563.259+/-0.942 χ²/NDF: 1496705.5/17
Left Out: 1994.246+/-0.324 χ²/NDF:746498.4/24
Right Out: 3964.089+/-0.995 χ²/NDF: 1806562.7/20
Left In: 2012.692+/-0.336 χ²/NDF:587260.9/22
Left: 2003.151+/-0.233 χ²/NDF: 1335320.5/47
Right: 3752.701+/-0.684 χ²/NDF: 3388811.0/38
In: 2187.416+/-0.316 χ²/NDF:4487262.6/40
Out: 2183.397+/-0.308 χ²/NDF:6094377.8/45
All: 2185.356+/-0.221 χ²/NDF: 10581723.1/8



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

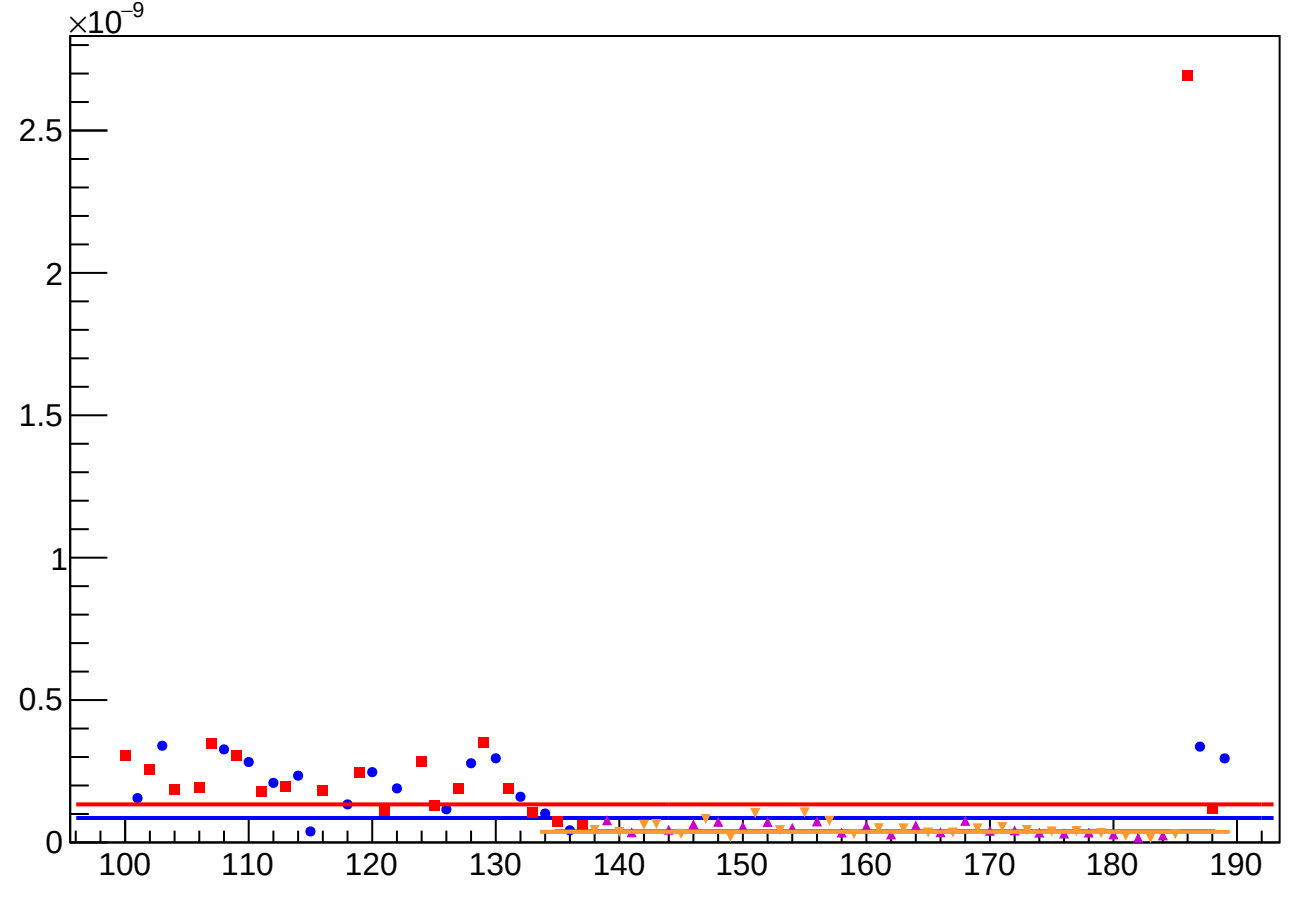
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 29.5/38

In: 0.000+/-0.000 χ^2/NDF:44.5/40

Out: 0.000+/-0.000 χ^2/NDF:38.8/45

All: 0.000+/-0.000 χ^2/NDF: 83.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 3056129.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1750323.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

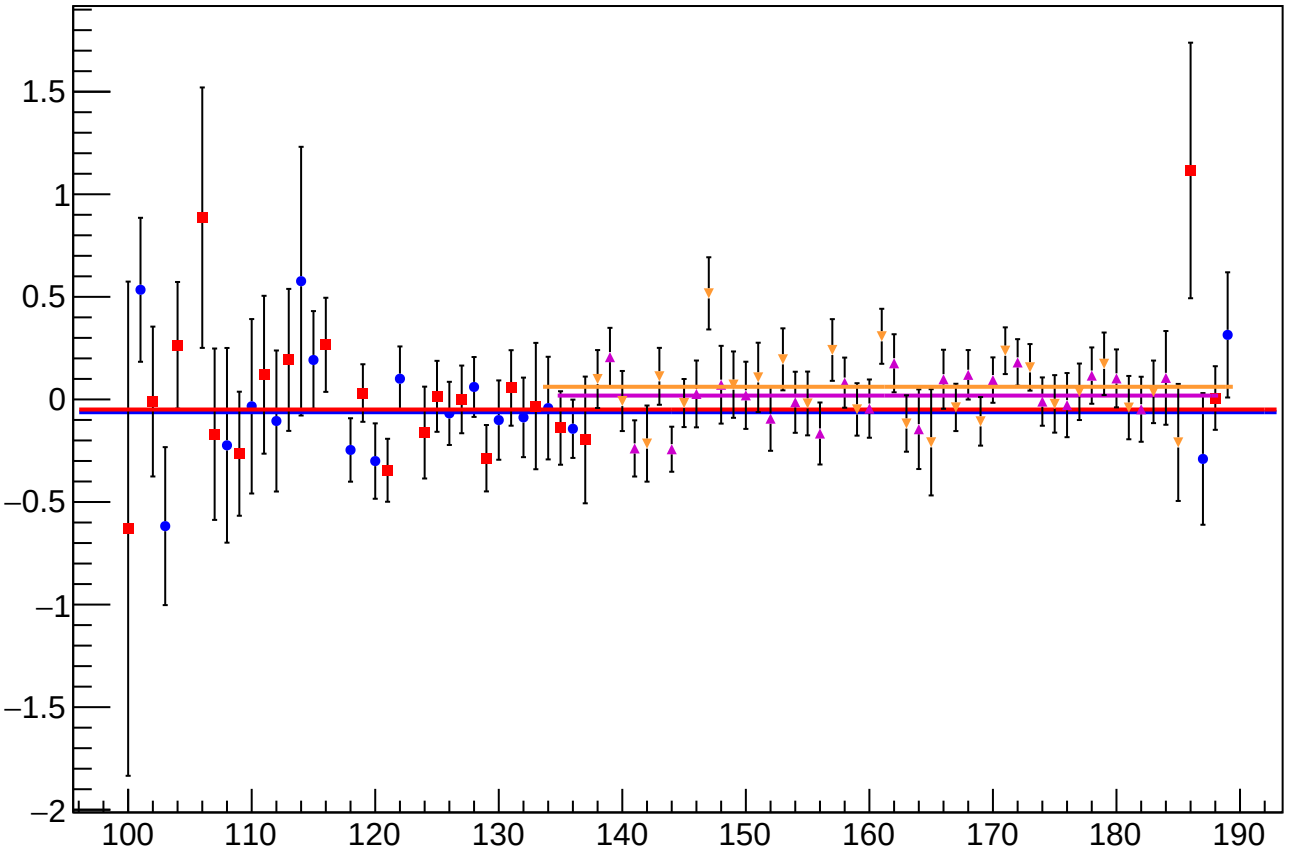
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5263837.0/38

In: 0.000+/-0.000 χ^2/NDF:6101754.7/40

Out: 0.000+/-0.000 χ^2/NDF:6895828.1/45

All: 0.000+/-0.000 χ^2/NDF: 13008975.5/86



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

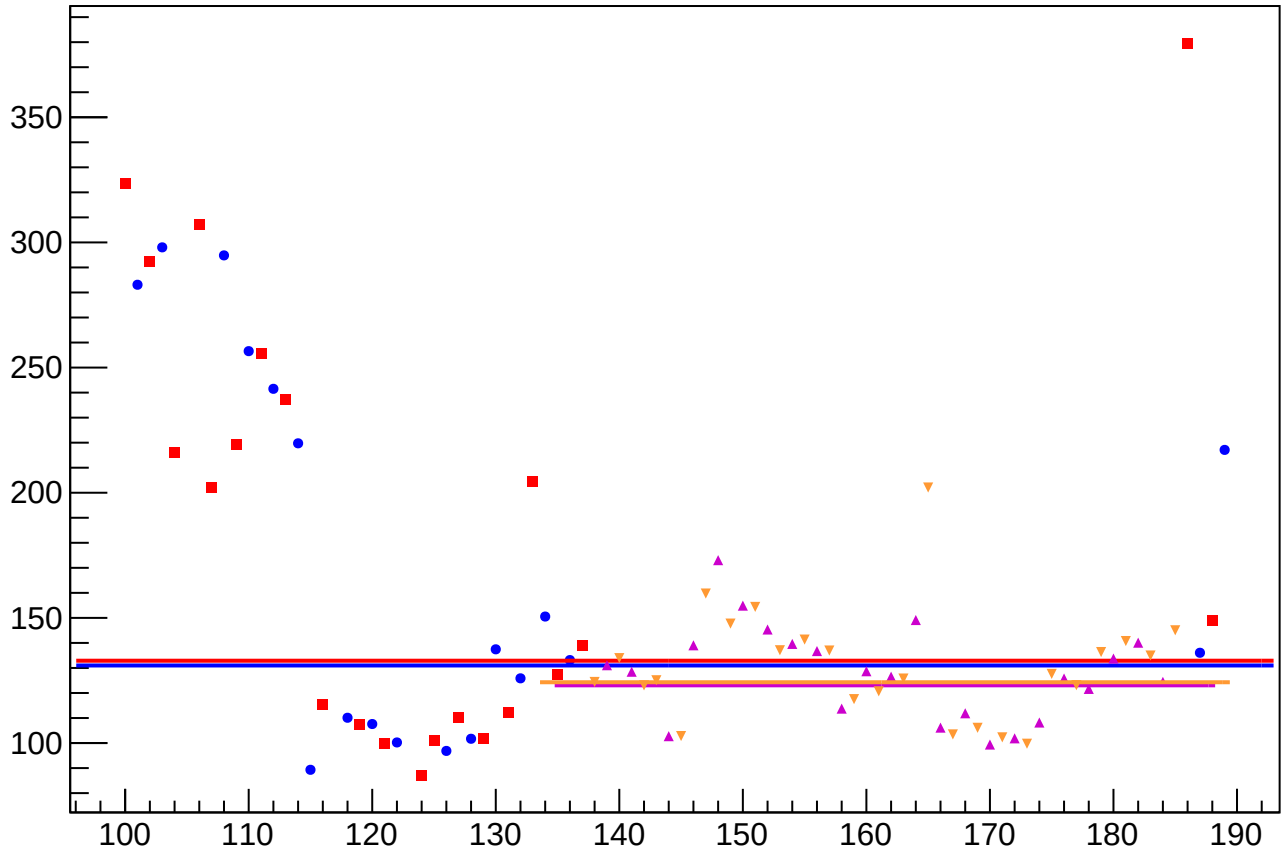
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.056+/-0.035 χ^2/NDF: 32.3/38

In: -0.002+/-0.025 χ^2/NDF:36.8/40

Out: 0.033+/-0.025 χ^2/NDF:49.0/45

All: 0.016+/-0.018 χ^2/NDF: 86.7/86



Right In: 130.991+/-0.036 χ^2/NDF: 1969986.0/17

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 132.894+/-0.035 χ^2/NDF: 2232564.2/20

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

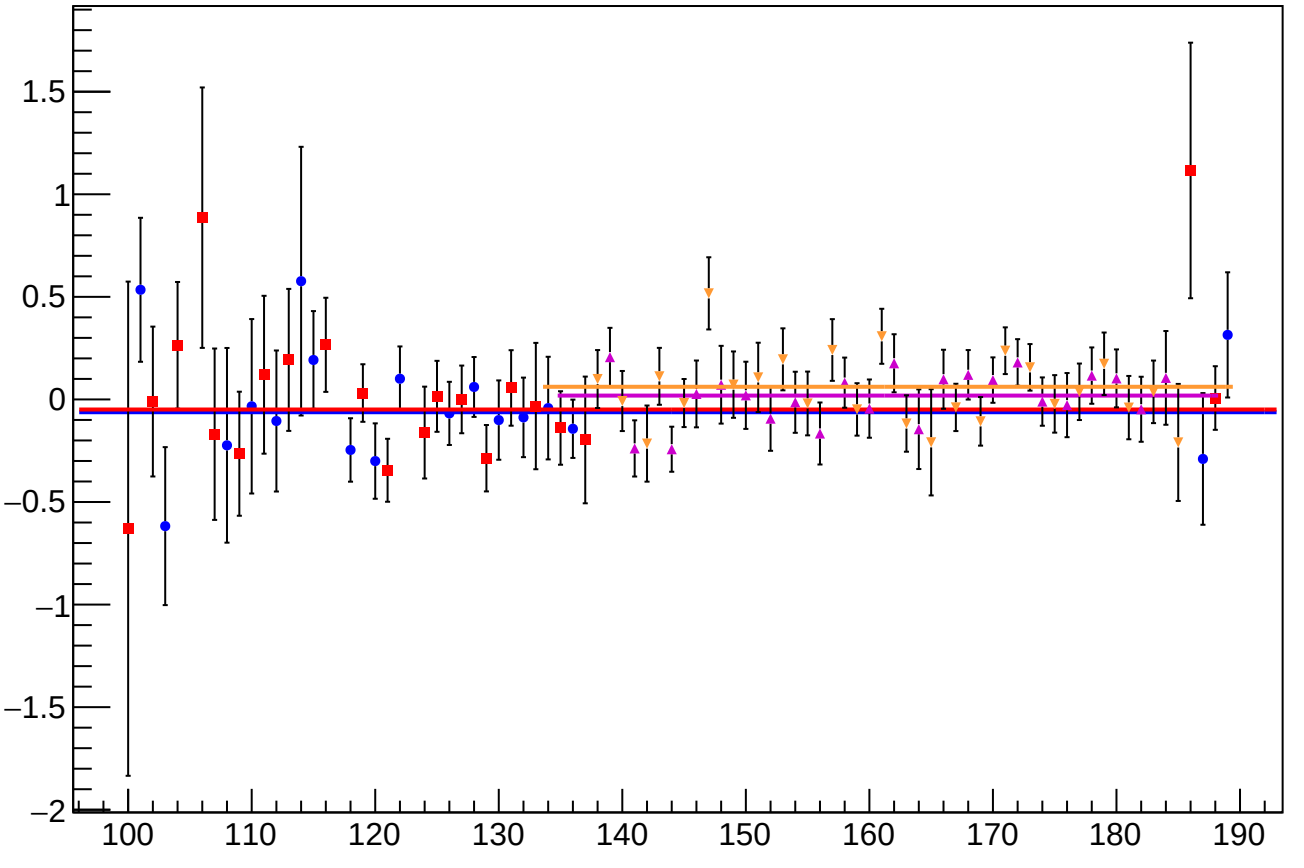
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 131.973+/-0.025 χ^2/NDF: 4204021.5/38

In: 125.067+/-0.018 χ^2/NDF:2725777.0/40

Out: 126.499+/-0.017 χ^2/NDF:3119706.9/45

All: 125.801+/-0.013 χ^2/NDF: 5848750.4/86



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

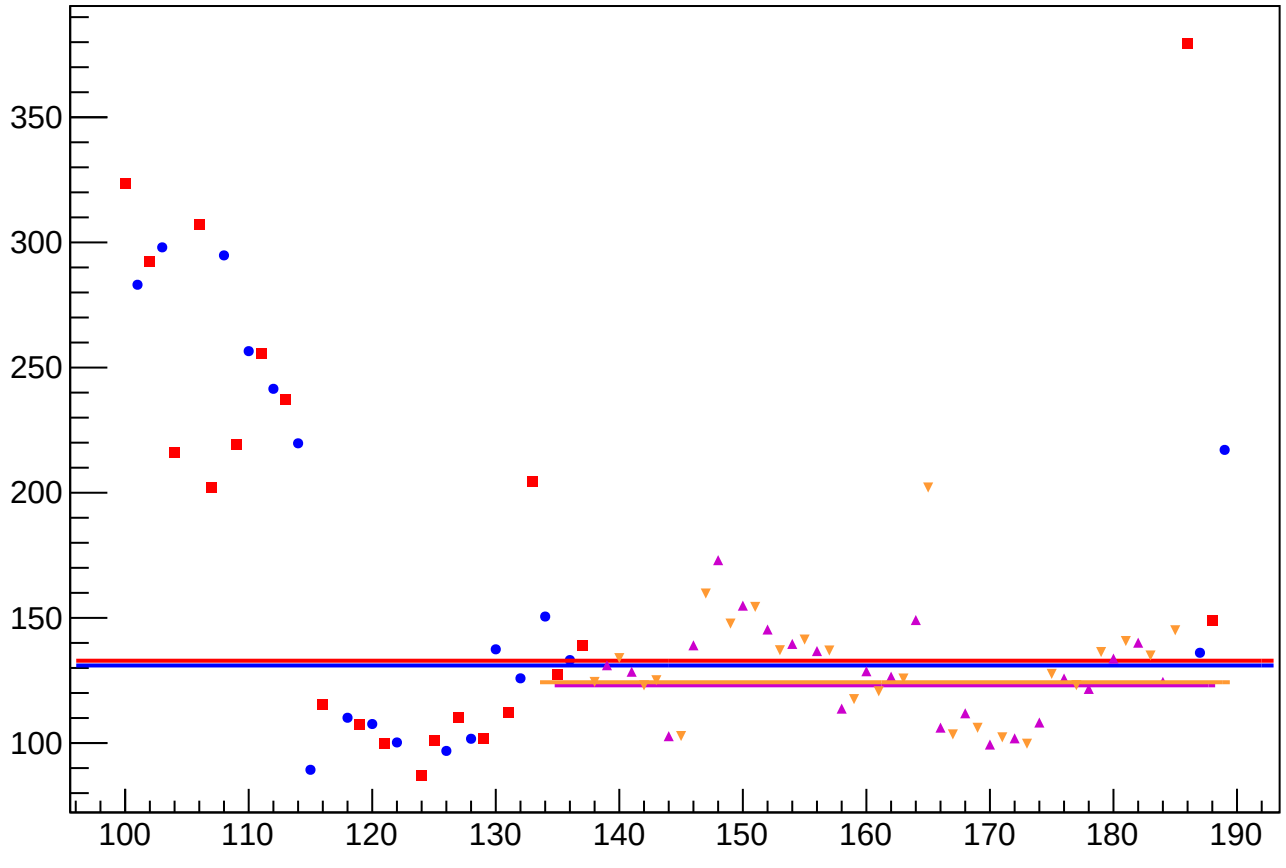
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.056+/-0.035 χ^2/NDF: 32.3/38

In: -0.002+/-0.025 χ^2/NDF:36.8/40

Out: 0.033+/-0.025 χ^2/NDF:49.0/45

All: 0.016+/-0.018 χ^2/NDF: 86.7/86



Right In: 130.991+/-0.036 χ^2/NDF: 1969986.0/17

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 132.894+/-0.035 χ^2/NDF: 2232564.2/20

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

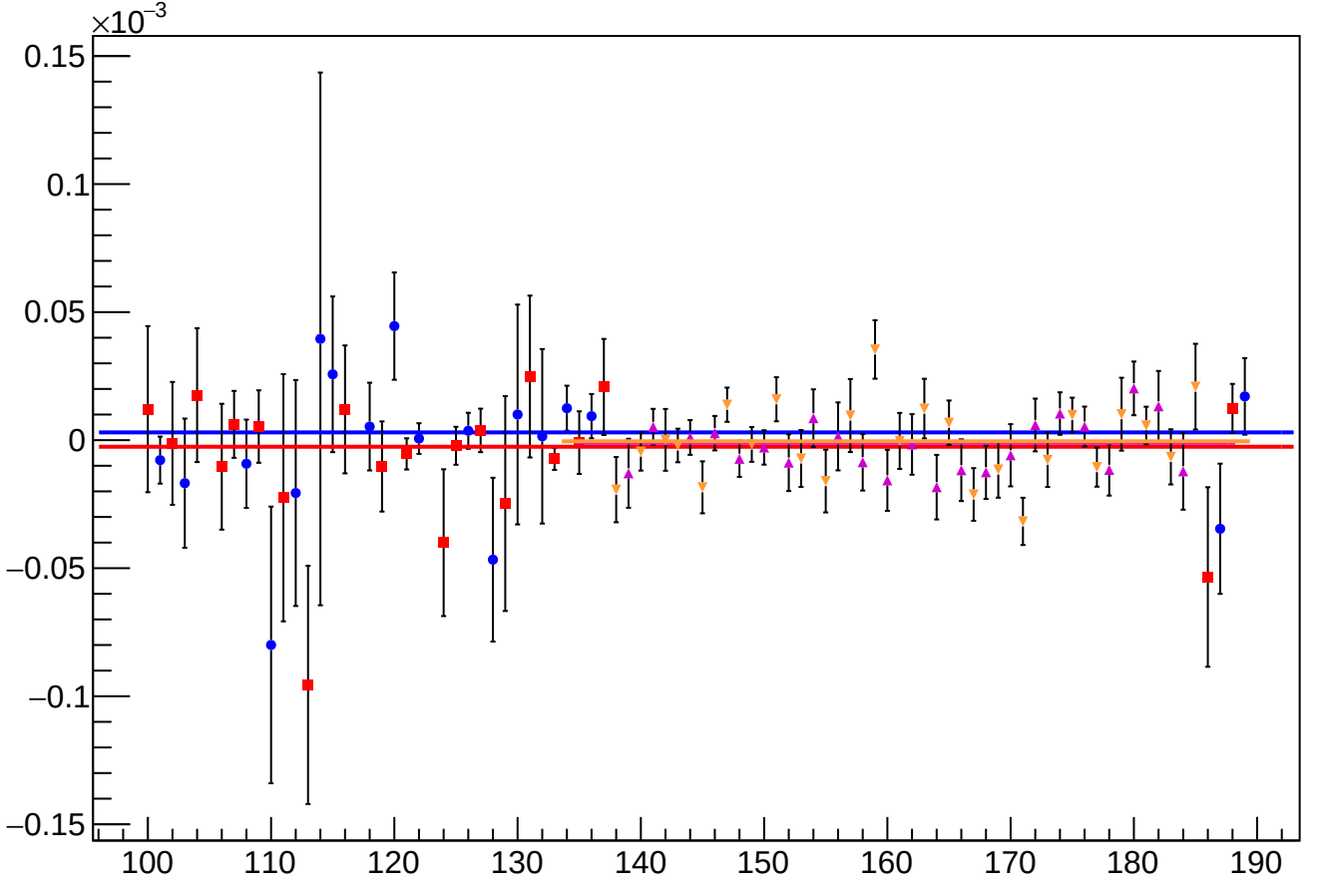
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 131.973+/-0.025 χ^2/NDF: 4204021.5/38

In: 125.067+/-0.018 χ^2/NDF:2725777.0/40

Out: 126.499+/-0.017 χ^2/NDF:3119706.9/45

All: 125.801+/-0.013 χ^2/NDF: 5848750.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.3/20

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

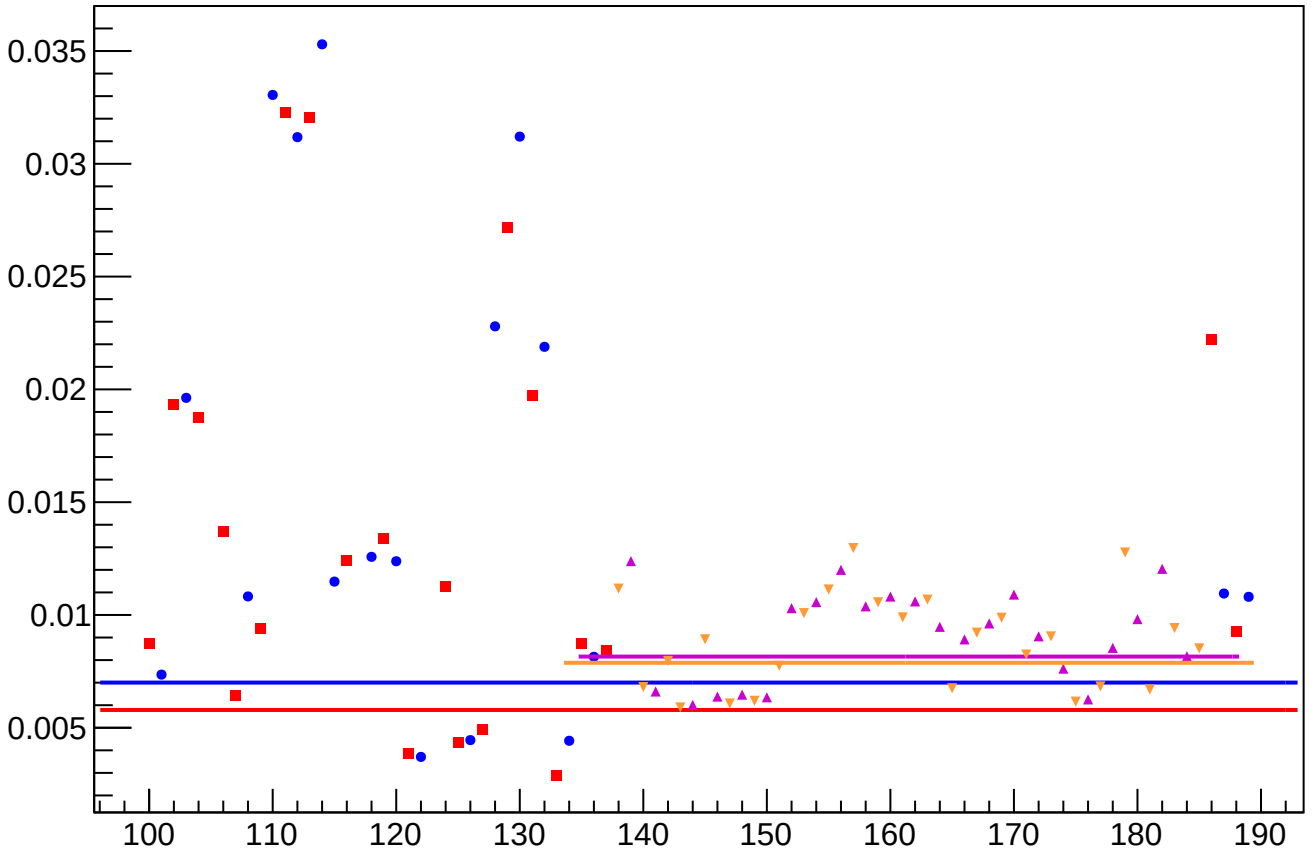
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: -0.000+/-0.000 χ^2/NDF: 36.5/38

In: 0.000+/-0.000 χ^2/NDF:38.3/40

Out: -0.000+/-0.000 χ^2/NDF:70.2/45

All: -0.000+/-0.000 χ^2/NDF: 108.9/86



Right In: 0.007+/-0.000 χ^2/NDF: 4960340.7/17

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6310316.2/20

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

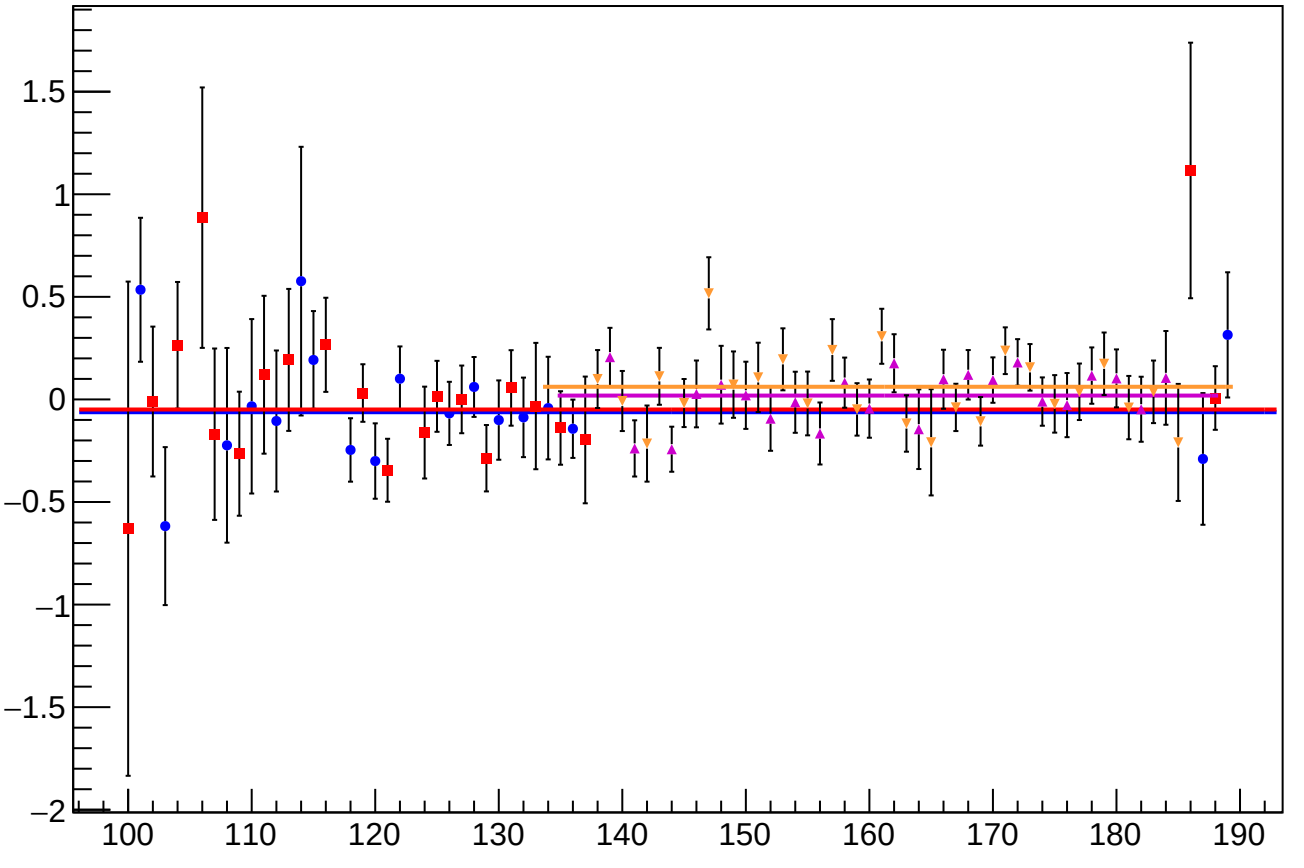
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.006+/-0.000 χ^2/NDF: 11460386.8/38

In: 0.008+/-0.000 χ^2/NDF:7178406.3/40

Out: 0.007+/-0.000 χ^2/NDF:9291417.9/45

All: 0.007+/-0.000 χ^2/NDF: 16653208.6/86



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

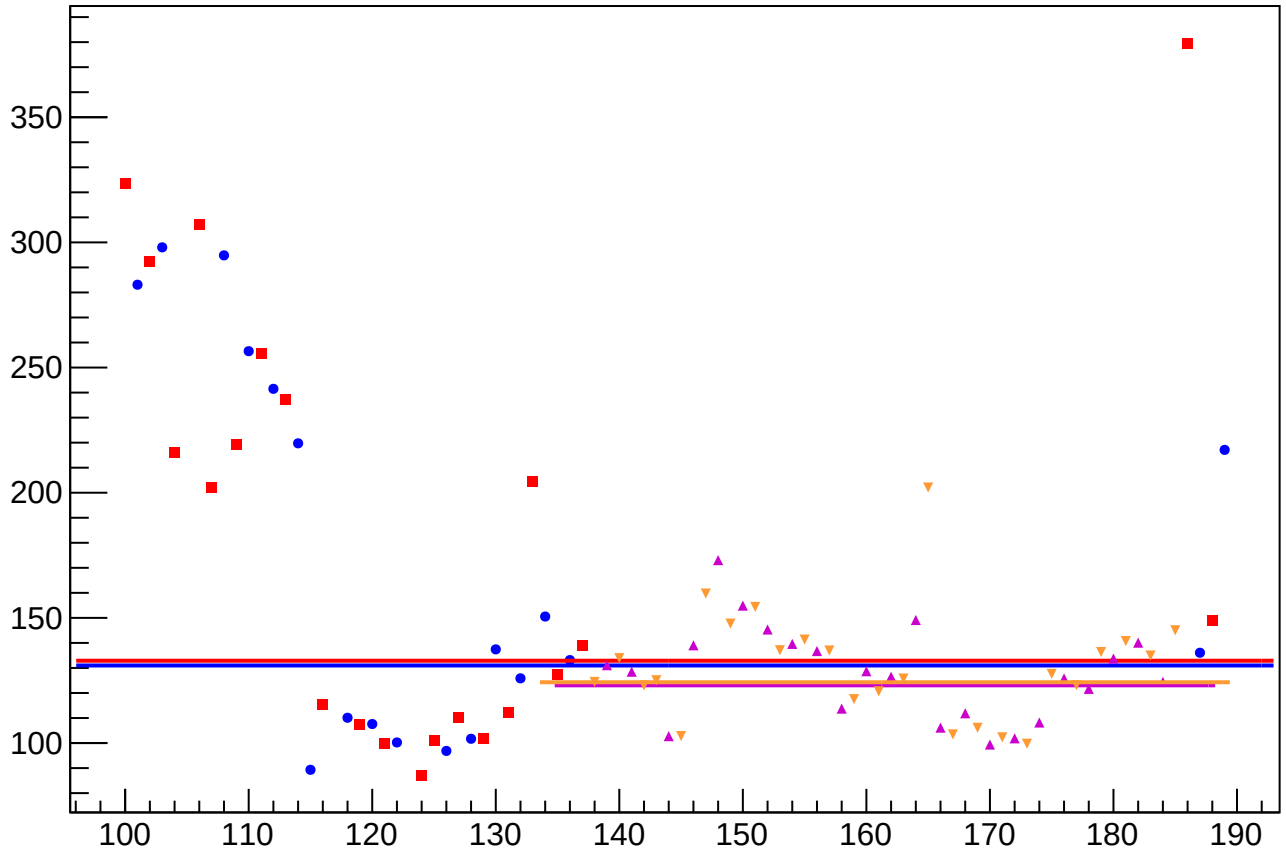
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.056+/-0.035 χ^2/NDF: 32.3/38

In: -0.002+/-0.025 χ^2/NDF:36.8/40

Out: 0.033+/-0.025 χ^2/NDF:49.0/45

All: 0.016+/-0.018 χ^2/NDF: 86.7/86



Right In: 130.988+/-0.036 χ^2/NDF: 1969952.3/17

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 132.892+/-0.035 χ^2/NDF: 2232573.8/20

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

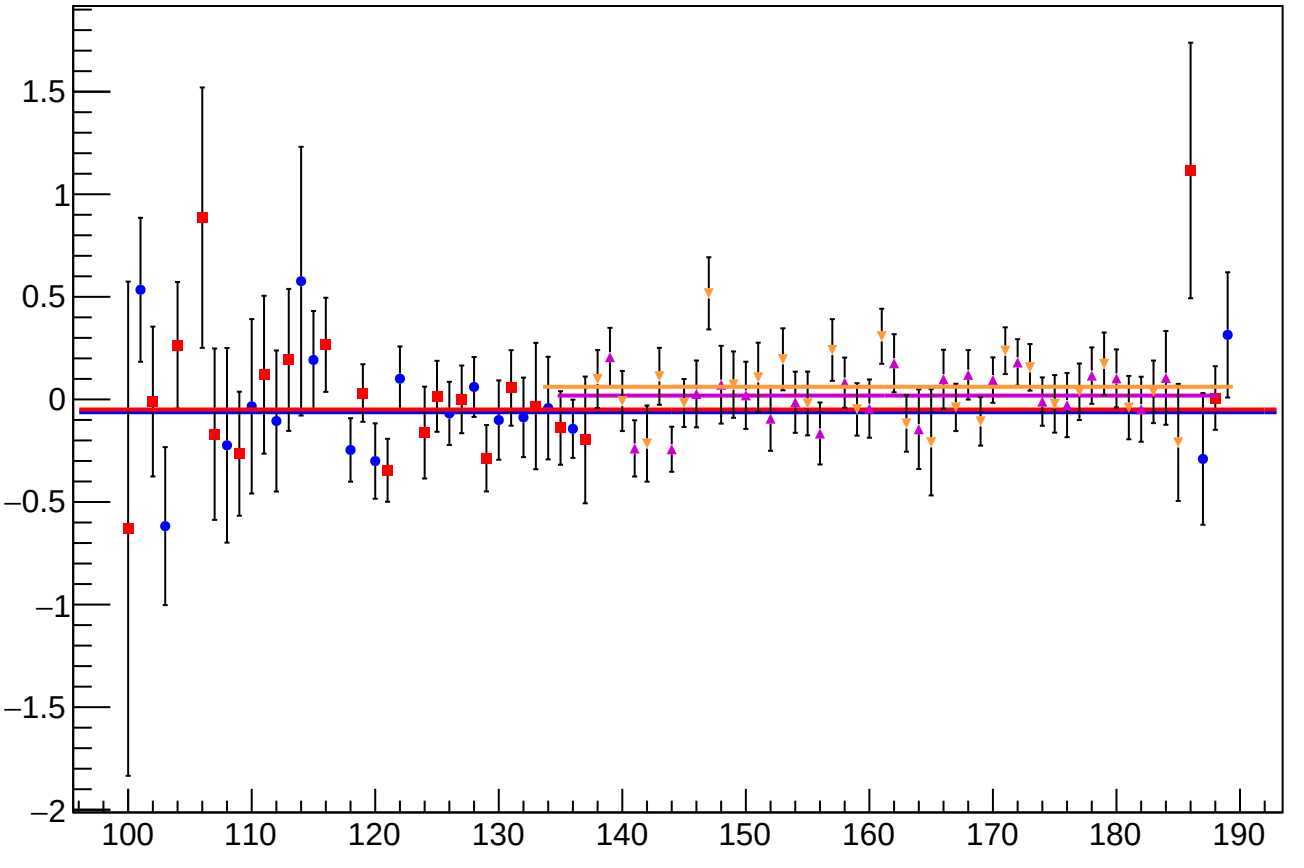
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 131.970+/-0.025 χ^2/NDF: 4203997.5/38

In: 125.067+/-0.018 χ^2/NDF:2725743.1/40

Out: 126.498+/-0.017 χ^2/NDF:3119742.0/45

All: 125.800+/-0.013 χ^2/NDF: 5848752.0/86



Right In: -0.062+/-0.050 χ^2/NDF: 14.5/17

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

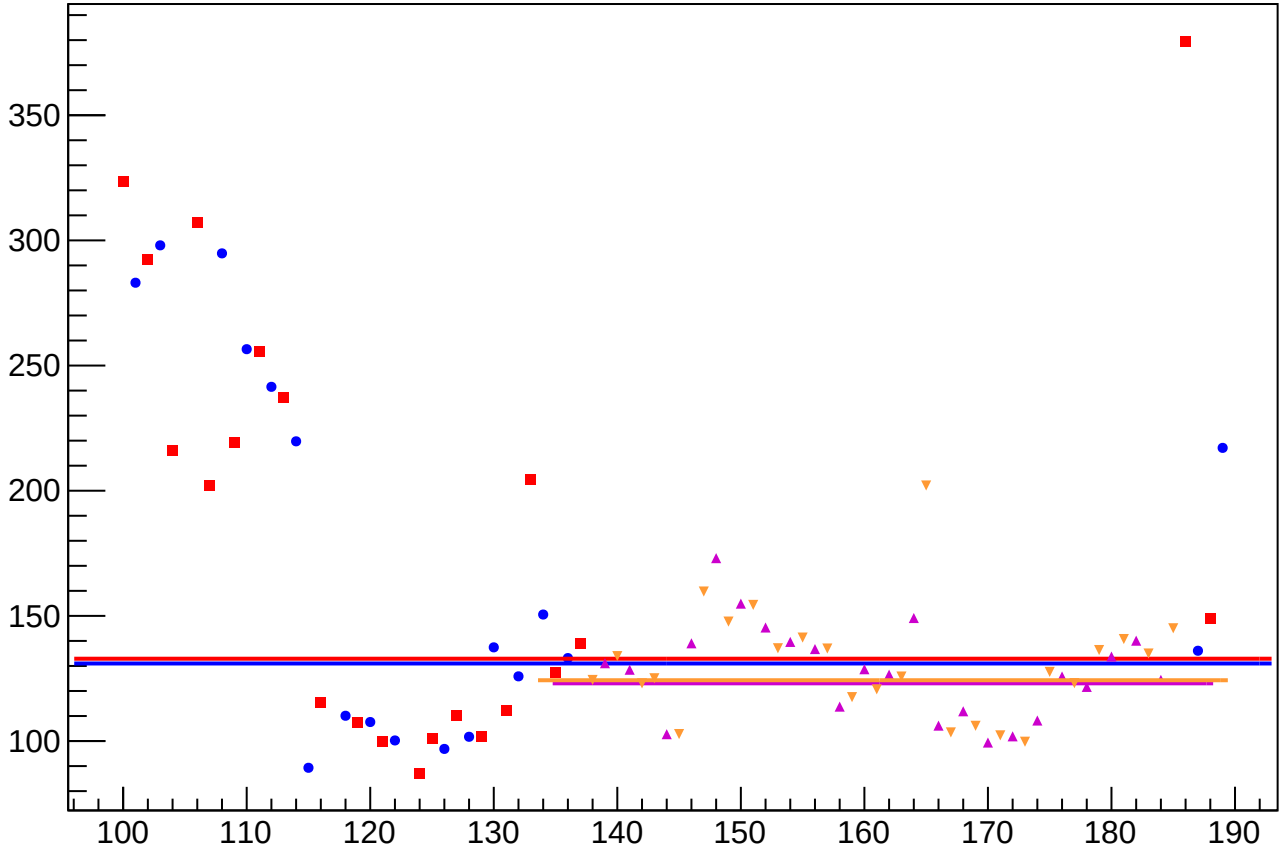
Right: -0.056+/-0.035 χ^2/NDF: 32.3/38

In: -0.002+/-0.025 χ^2/NDF:36.8/40

Out: 0.033+/-0.025 χ^2/NDF:49.0/45

All: 0.016+/-0.018 χ^2/NDF: 86.7/86

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.988+/-0.036 χ^2/NDF: 1969952.3/17

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 132.892+/-0.035 χ^2/NDF: 2232573.8/20

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

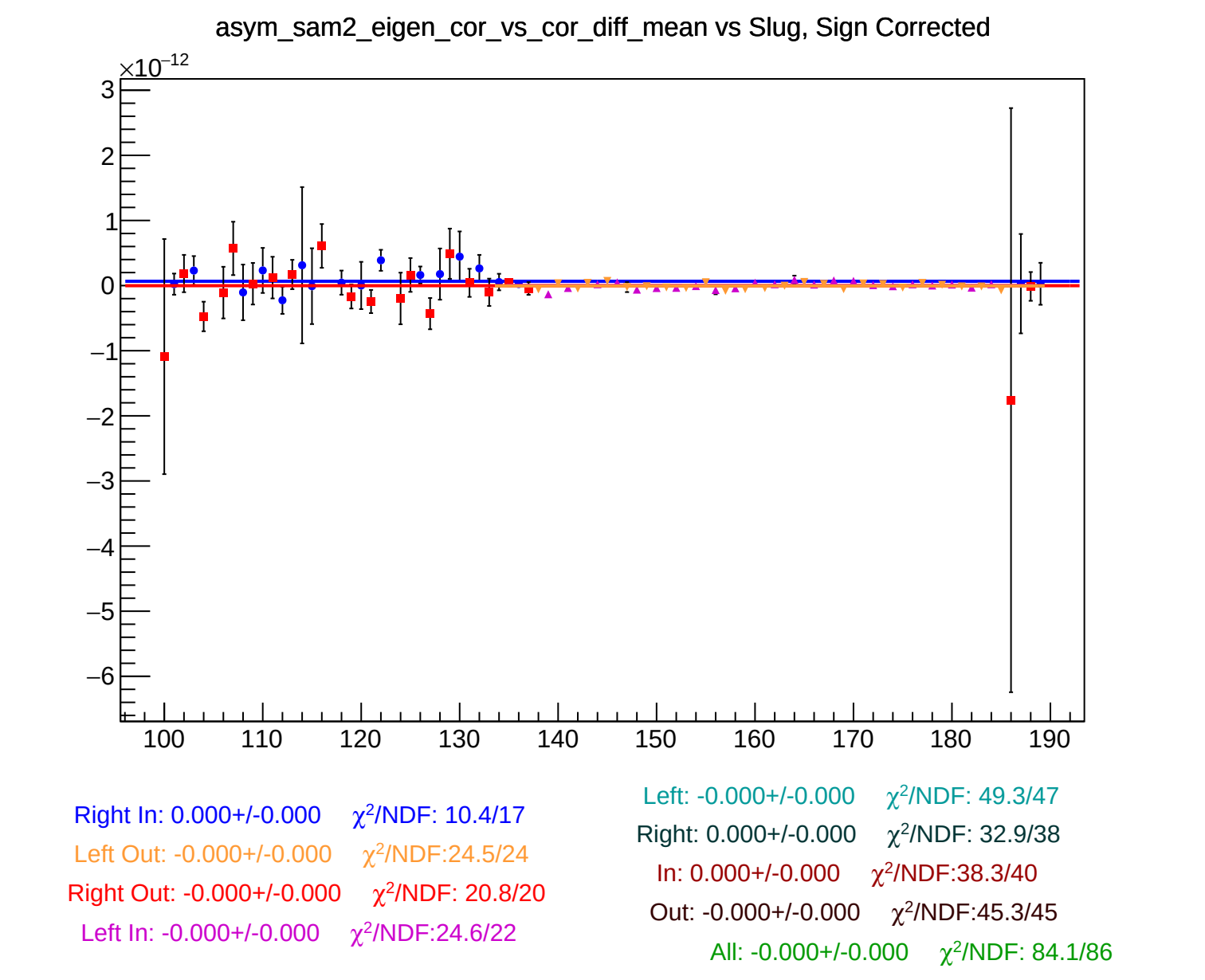
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

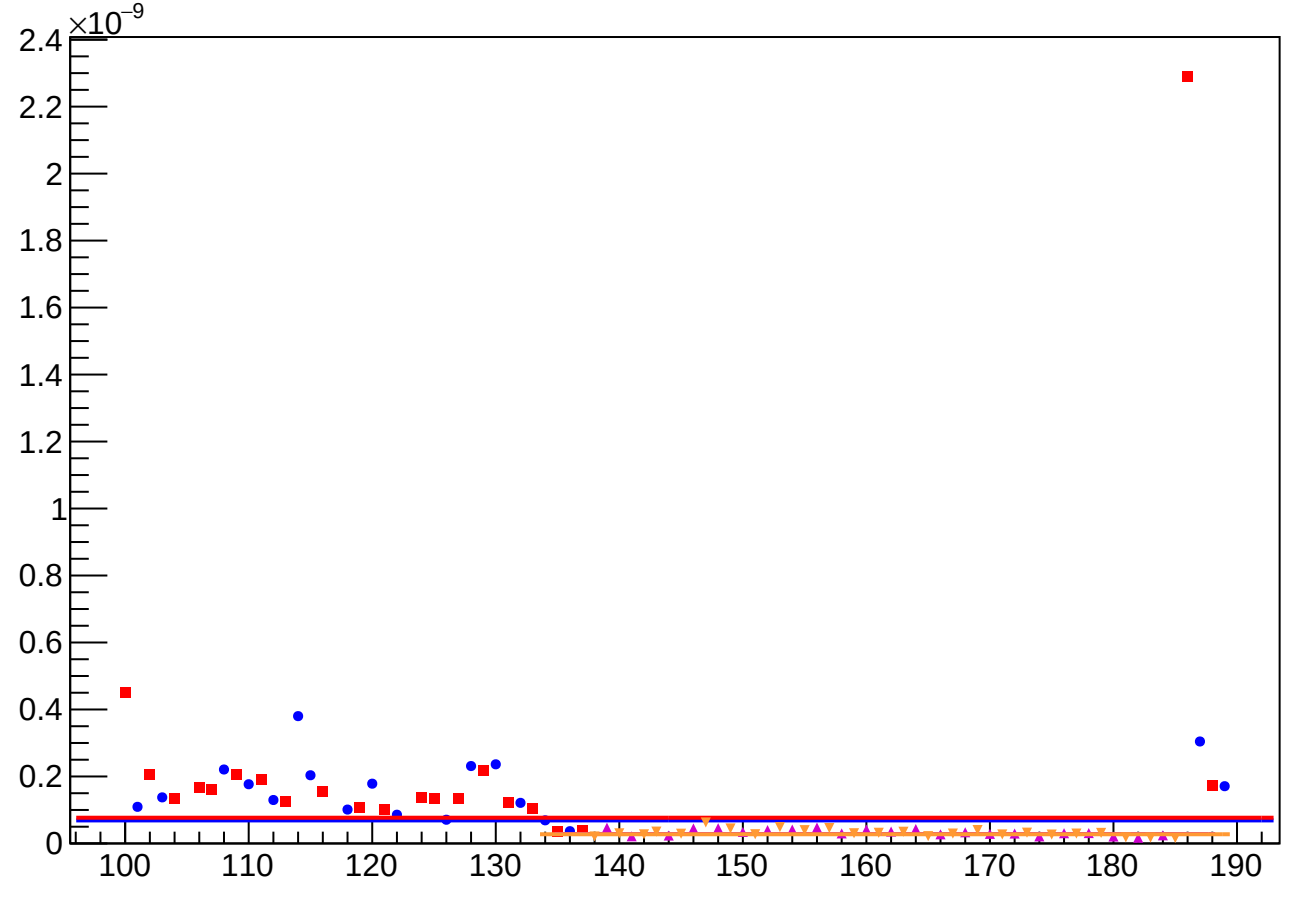
Right: 131.970+/-0.025 χ^2/NDF: 4203997.5/38

In: 125.067+/-0.018 χ^2/NDF:2725743.1/40

Out: 126.498+/-0.017 χ^2/NDF:3119742.0/45

All: 125.800+/-0.013 χ^2/NDF: 5848752.0/86


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.4/17
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/20
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: 32.9/38
In: 0.000+/-0.000 χ²/NDF:38.3/40
Out: -0.000+/-0.000 χ²/NDF:45.3/45
All: -0.000+/-0.000 χ²/NDF: 84.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 3577461.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4529998.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

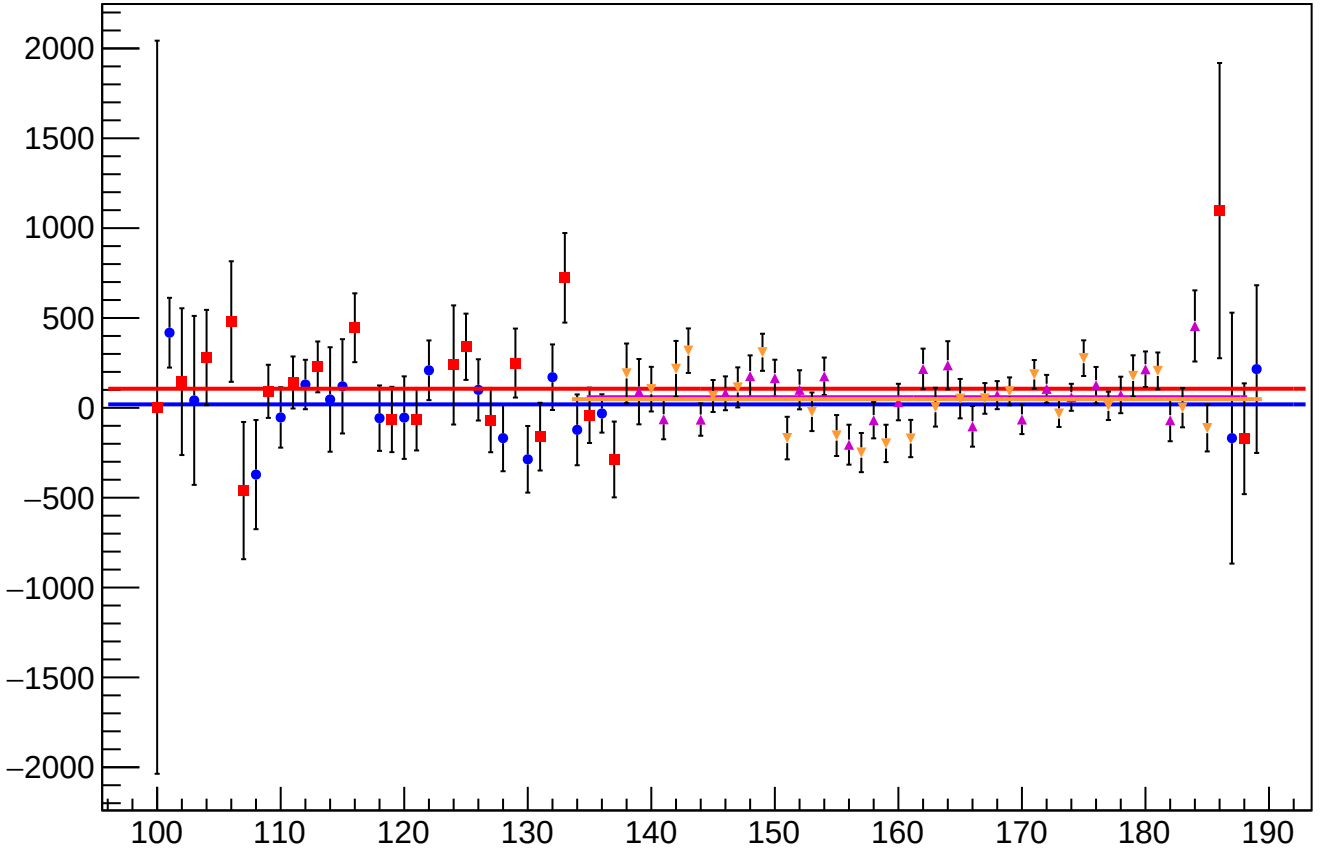
Right: 0.000+/-0.000 χ^2/NDF: 8153872.4/38

In: 0.000+/-0.000 χ^2/NDF:8198251.4/40

Out: 0.000+/-0.000 χ^2/NDF:10040852.6/45

All: 0.000+/-0.000 χ^2/NDF: 18249796.4/86

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 19.282+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 106.366+/-45.258 χ^2/NDF: 27.8/20

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

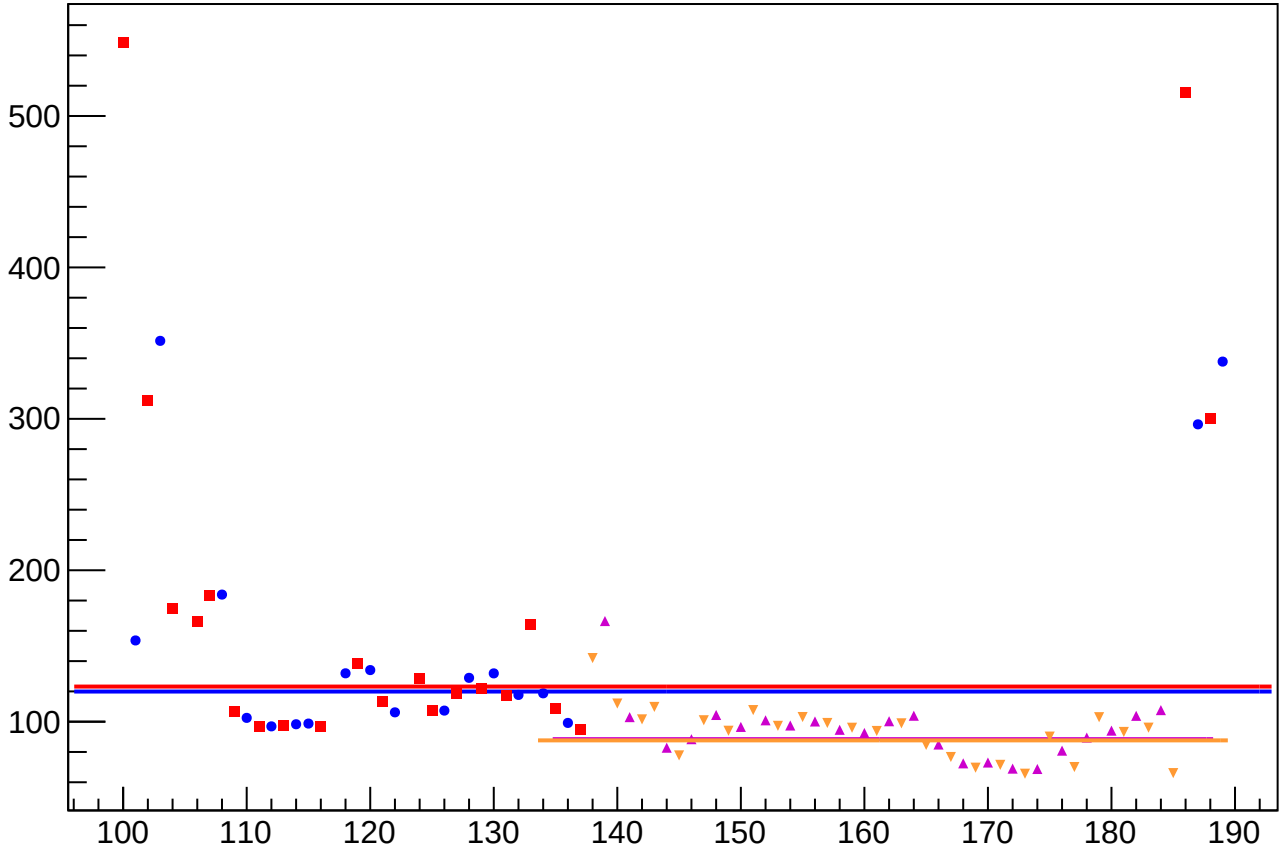
Right: 62.951+/-32.049 χ^2/NDF: 43.7/38

In: 51.923+/-19.175 χ^2/NDF:45.3/40

Out: 58.200+/-18.615 χ^2/NDF:82.7/45

All: 55.155+/-13.357 χ^2/NDF: 128.1/86

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 119.908+/-0.032 χ^2/NDF: 1429890.0/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.193+/-0.032 χ^2/NDF: 2132479.3/20

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

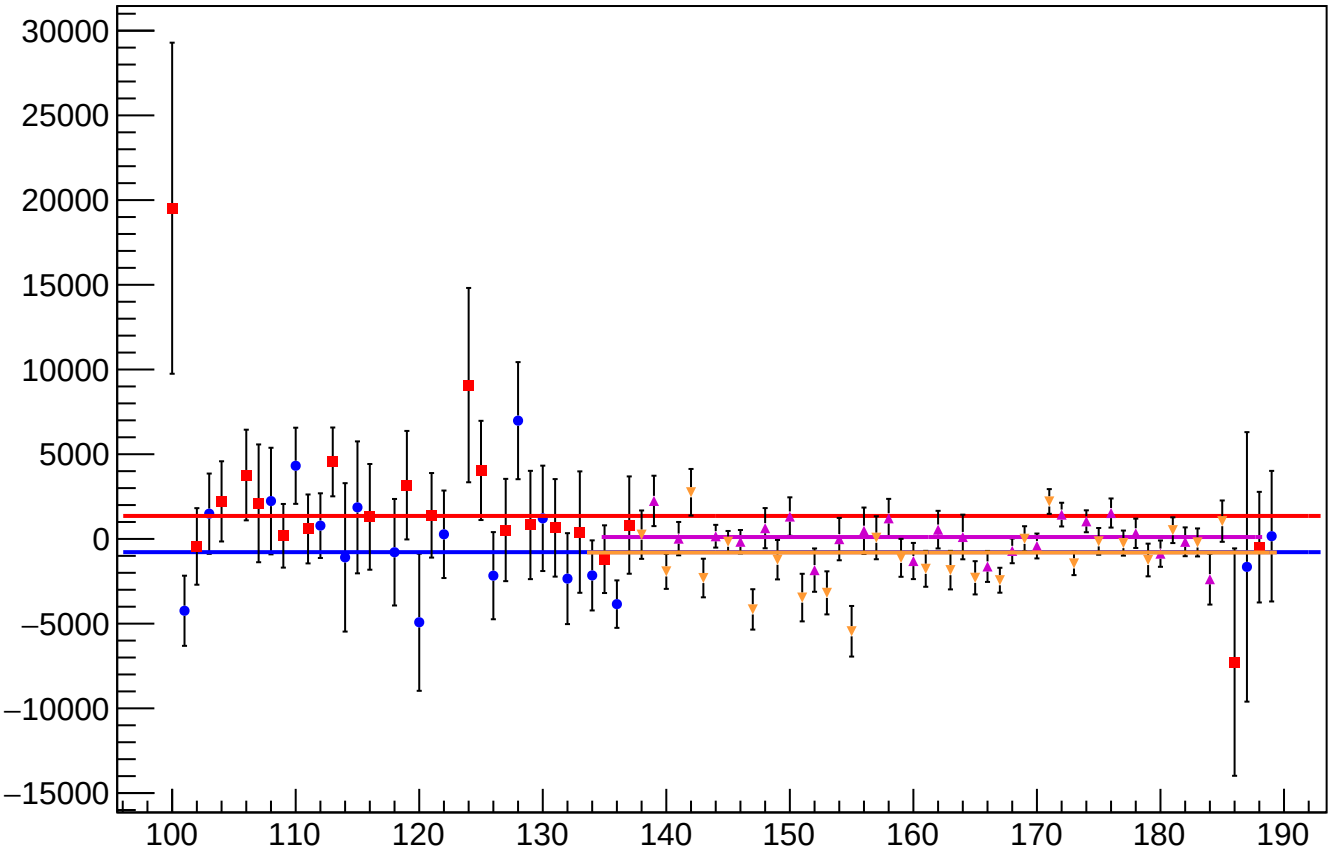
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 121.555+/-0.023 χ^2/NDF: 3567620.0/38

In: 94.091+/-0.014 χ^2/NDF:3293180.9/40

Out: 93.668+/-0.013 χ^2/NDF:4370250.3/45

All: 93.873+/-0.009 χ^2/NDF: 7663932.1/86



Right In: -780.259+/-606.516 χ^2/NDF: 23.5/17

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1356.914+/-600.148 χ^2/NDF: 14.9/20

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

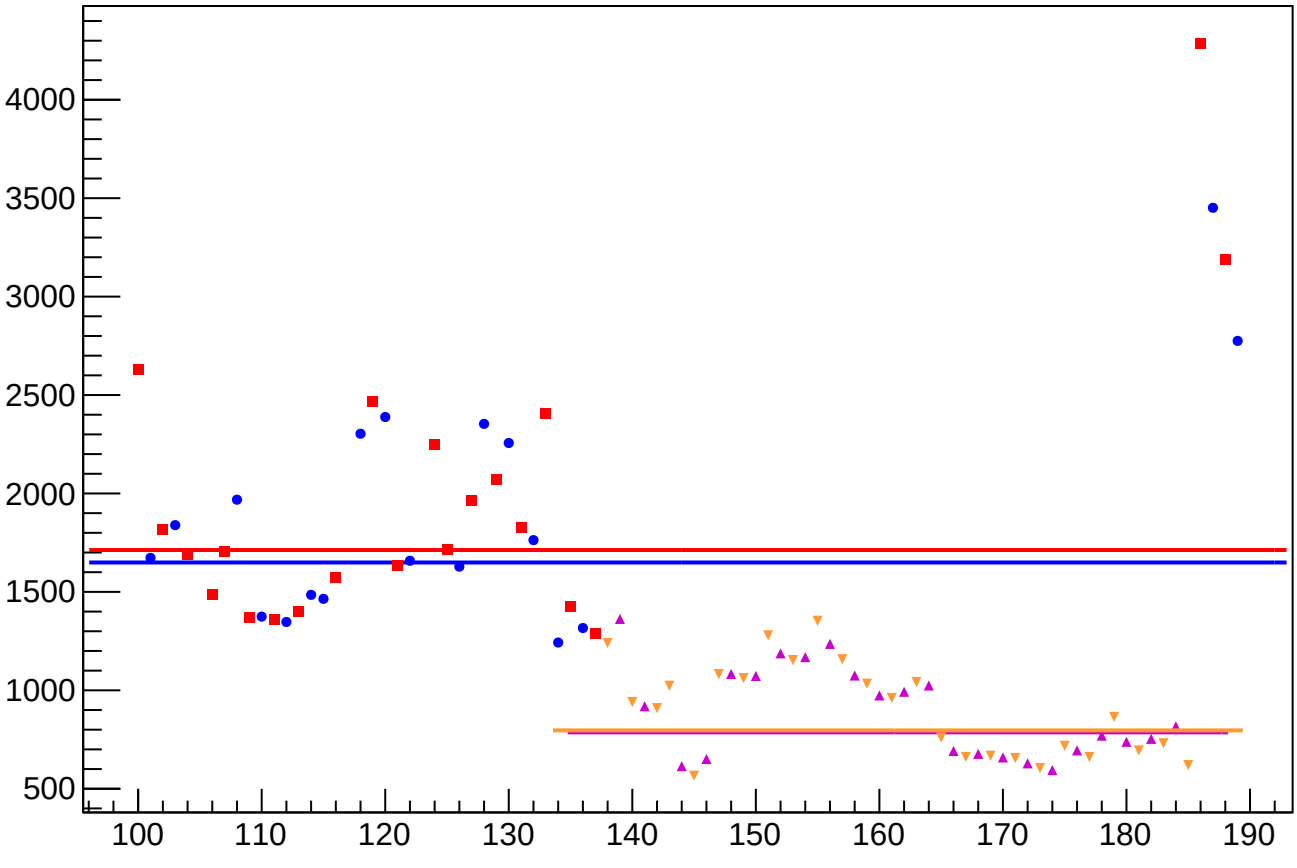
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 299.606+/-426.602 χ^2/NDF: 44.7/38

In: 32.497+/-181.546 χ^2/NDF:52.6/40

Out: -609.086+/-179.191 χ^2/NDF:98.6/45

All: -292.483+/-127.531 χ^2/NDF: 157.5/86



Right In: 1649.353+/-0.429 χ^2/NDF: 900684.8/17

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1712.747+/-0.424 χ^2/NDF: 1251274.1/20

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

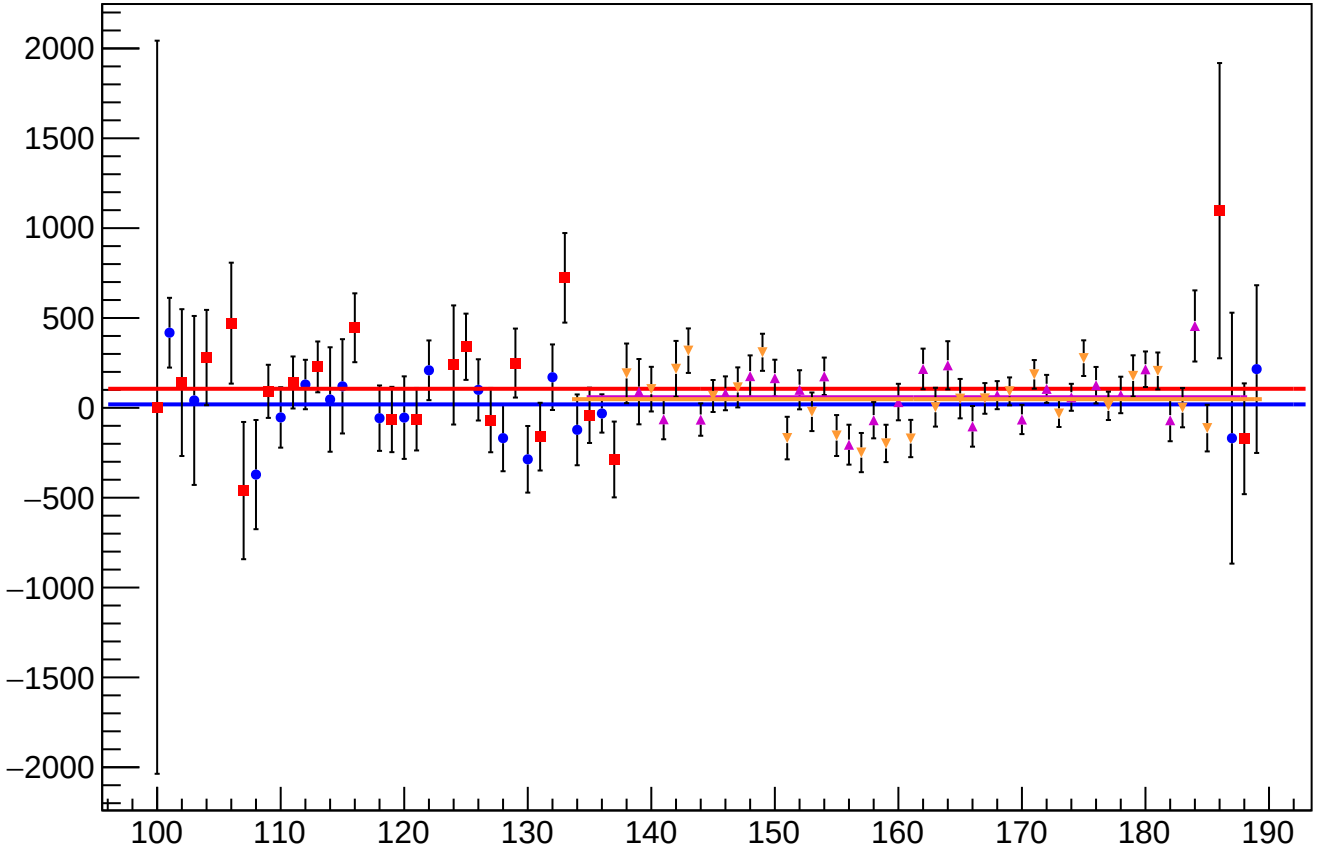
Right: 1681.385+/-0.302 χ^2/NDF: 2162999.0/38

In: 863.659+/-0.128 χ^2/NDF:6743811.4/40

Out: 878.204+/-0.127 χ^2/NDF:7914989.8/45

All: 871.026+/-0.090 χ^2/NDF: 14665304.0/86

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 19.269+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 106.088+/-45.261 χ^2/NDF: 27.7/20

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

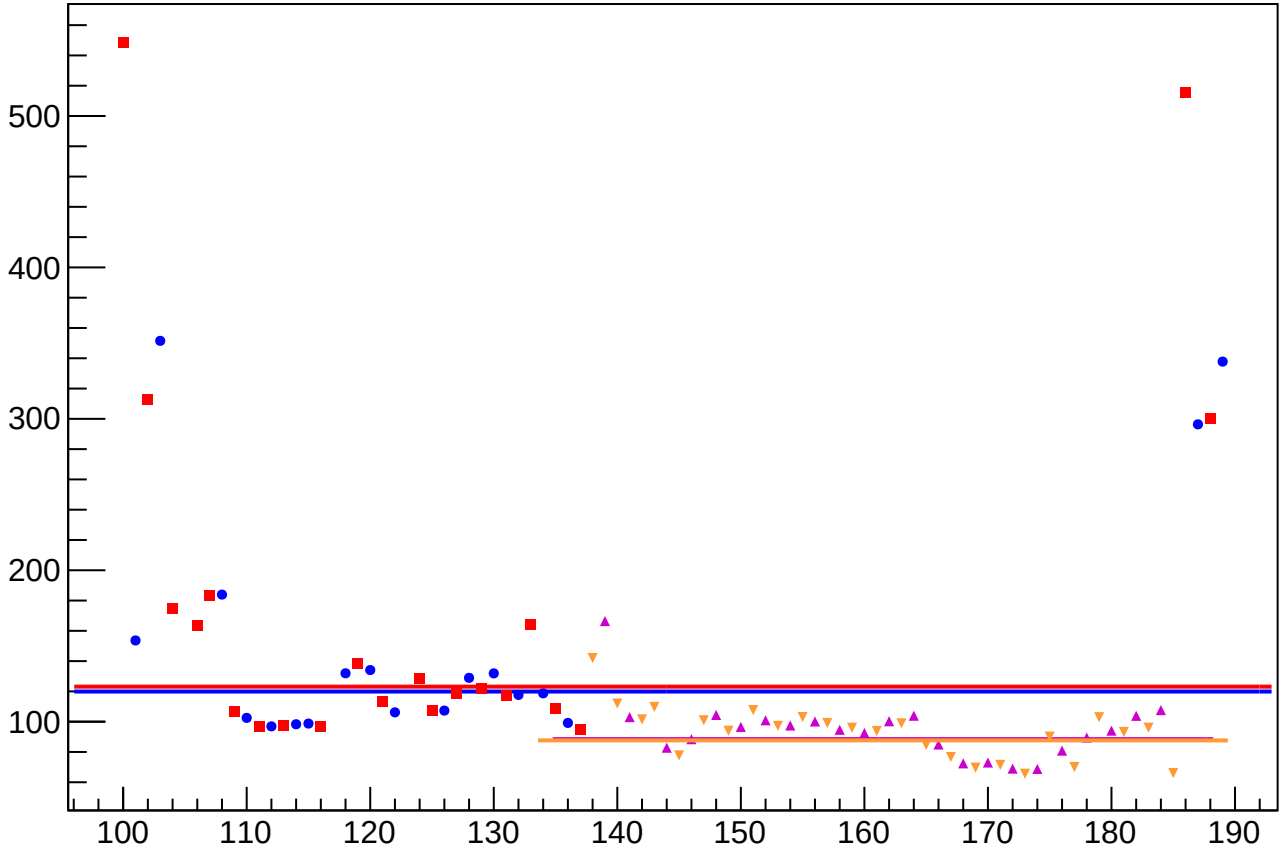
Right: 62.803+/-32.050 χ^2/NDF: 43.6/38

In: 51.923+/-19.175 χ^2/NDF:45.3/40

Out: 58.158+/-18.616 χ^2/NDF:82.6/45

All: 55.133+/-13.357 χ^2/NDF: 128.0/86

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 119.908+/-0.032 χ^2/NDF: 1429892.1/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.143+/-0.032 χ^2/NDF: 2128788.5/20

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

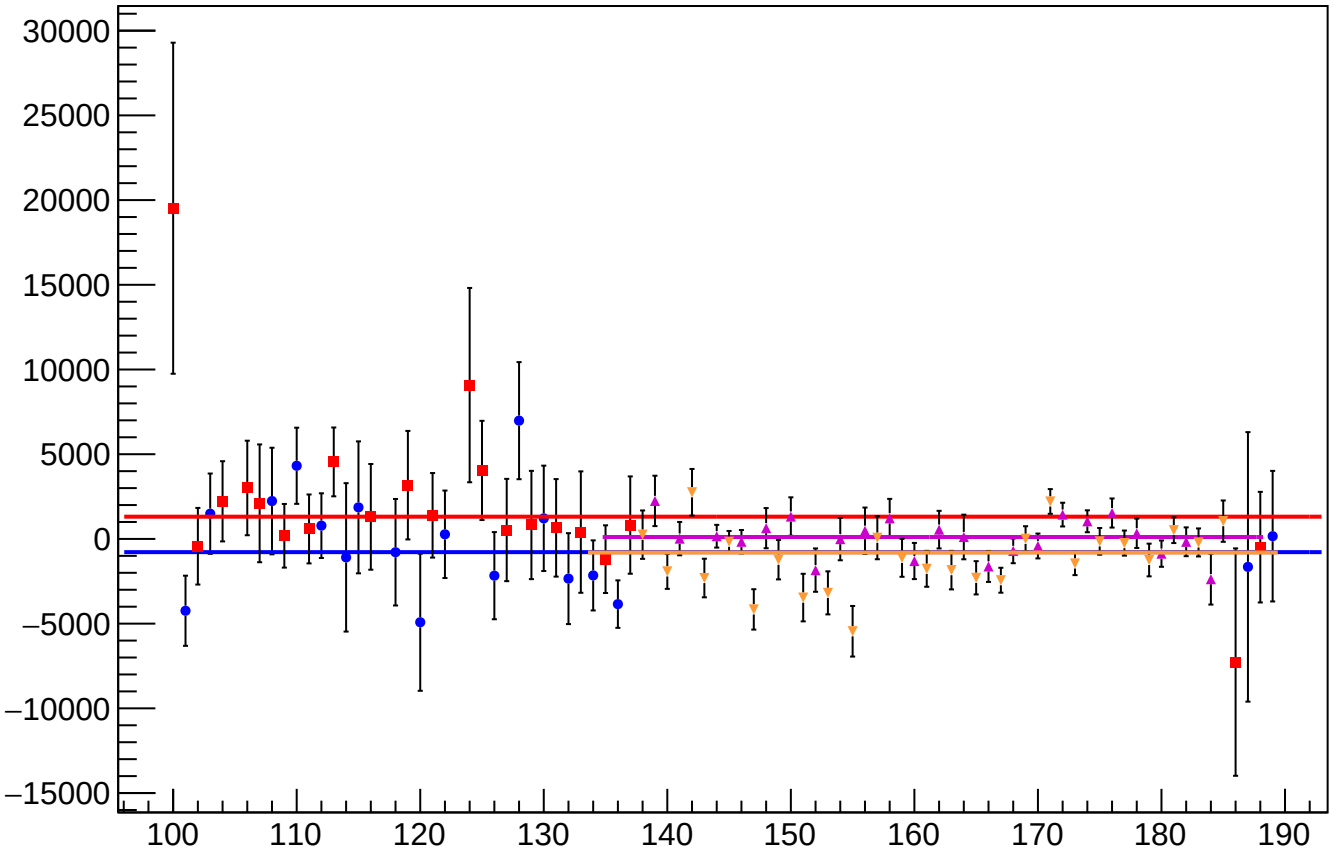
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 121.530+/-0.023 χ^2/NDF: 3563772.8/38

In: 94.091+/-0.014 χ^2/NDF:3293182.5/40

Out: 93.659+/-0.013 χ^2/NDF:4363578.1/45

All: 93.869+/-0.009 χ^2/NDF: 7657283.3/86



Right In: -780.242+/-606.520 χ^2/NDF: 23.5/17

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1312.776+/-601.410 χ^2/NDF: 14.4/20

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

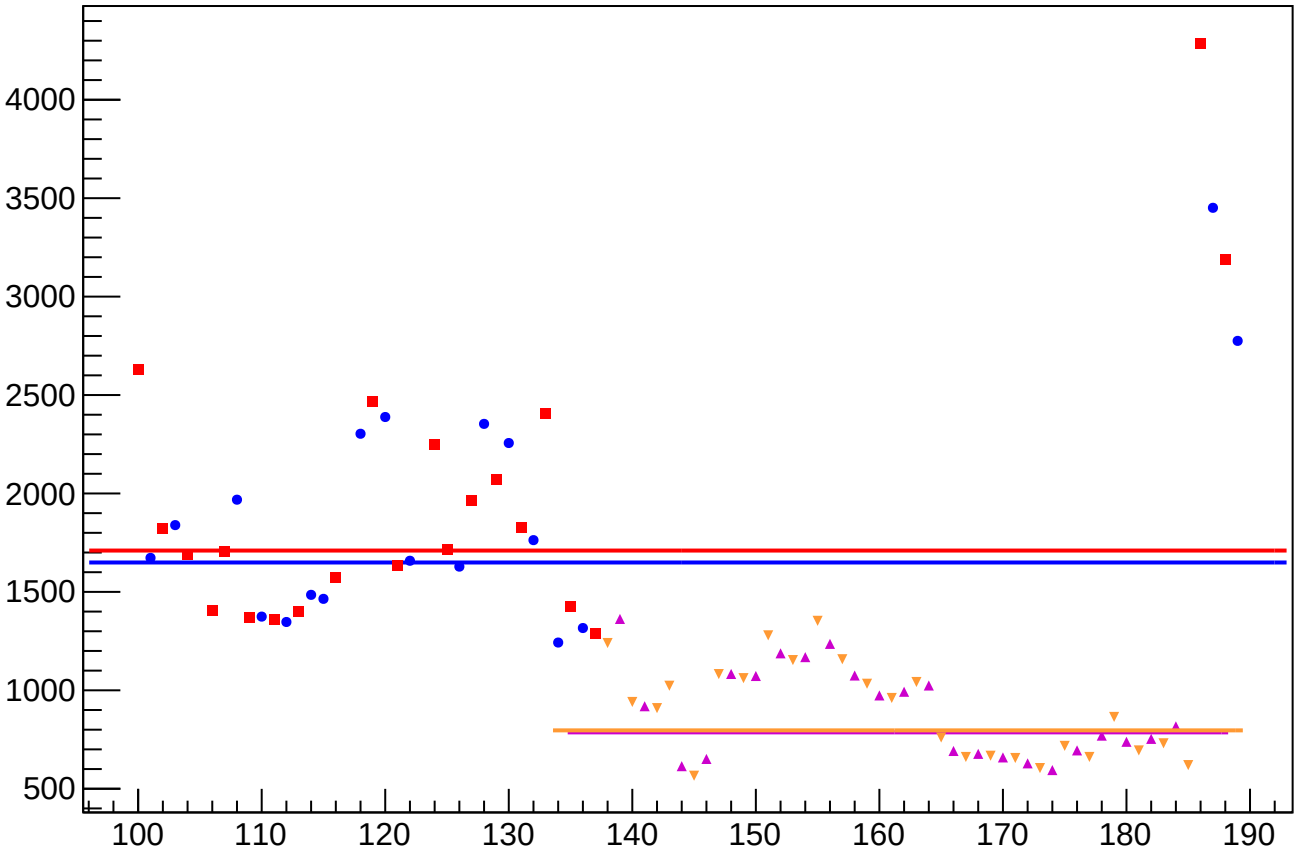
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 275.121+/-427.056 χ^2/NDF: 44.0/38

In: 32.501+/-181.546 χ^2/NDF:52.6/40

Out: -613.734+/-179.224 χ^2/NDF:97.6/45

All: -294.775+/-127.544 χ^2/NDF: 156.6/86



Right In: 1649.363+/-0.429 χ^2/NDF: 900710.4/17

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1709.996+/-0.425 χ^2/NDF: 1261276.7/20

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

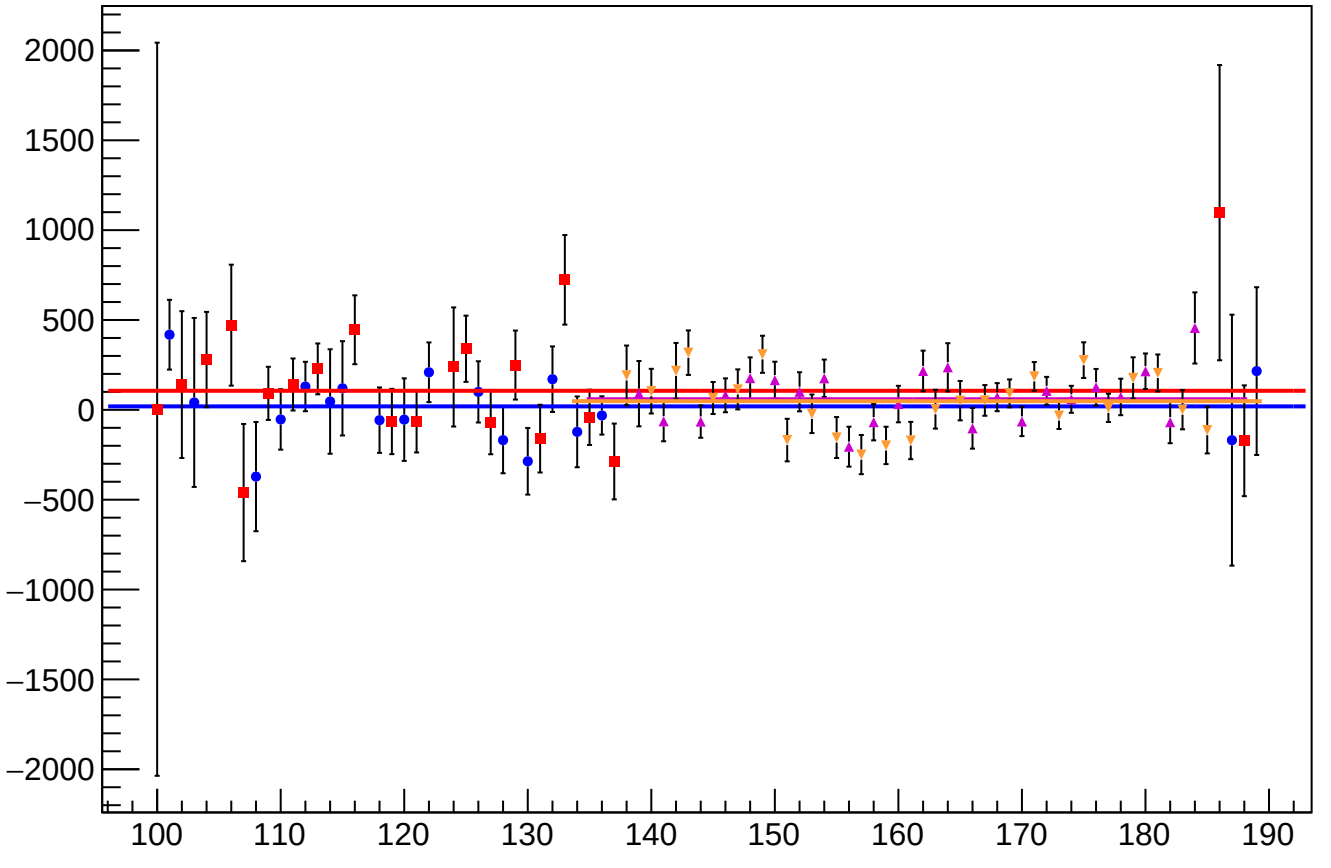
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1679.936+/-0.302 χ^2/NDF: 2172065.4/38

In: 863.658+/-0.128 χ^2/NDF:6743868.3/40

Out: 877.647+/-0.127 χ^2/NDF:7883402.3/45

All: 870.743+/-0.090 χ^2/NDF: 14633284.2/86



Right In: 19.269+/-45.390 χ^2/NDF: 14.1/17

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 106.088+/-45.261 χ^2/NDF: 27.7/20

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

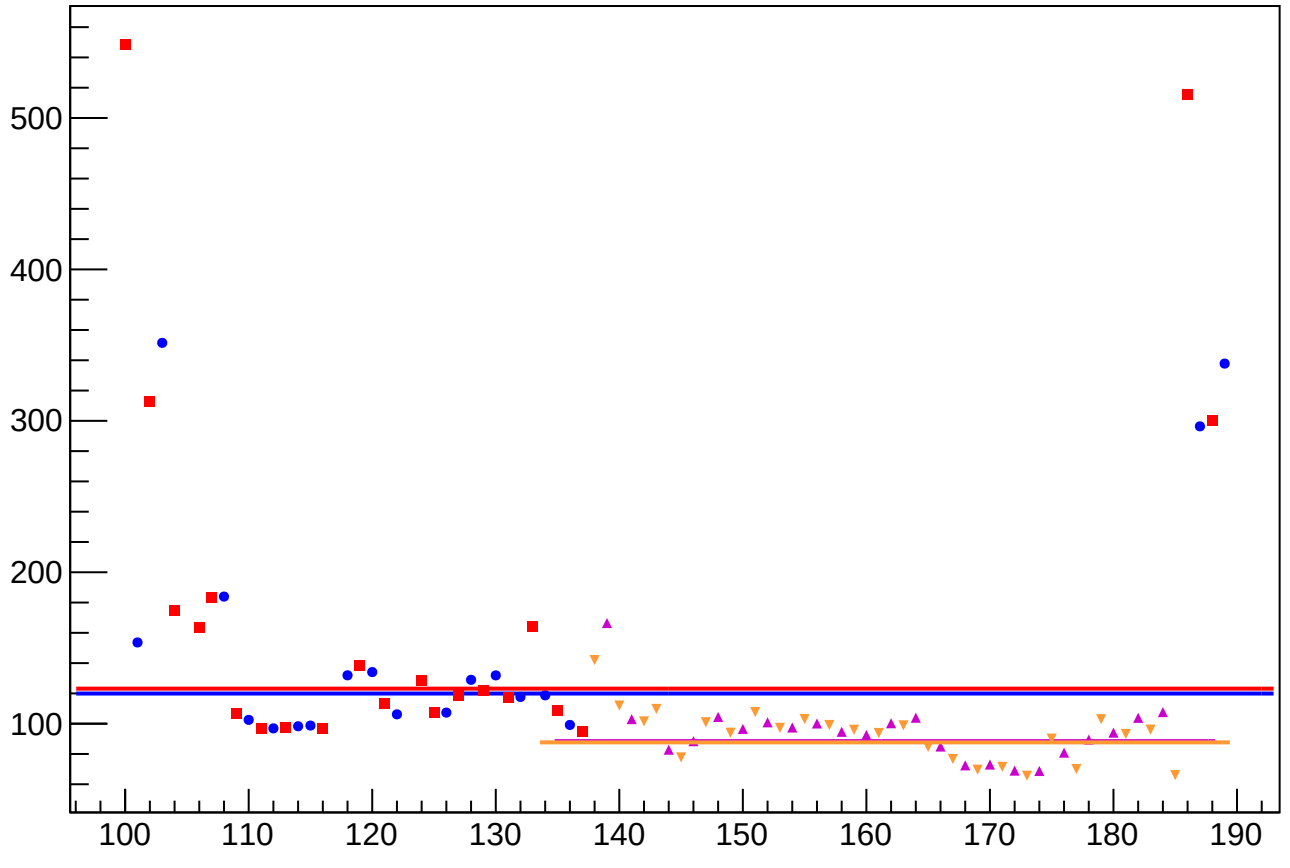
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 62.803+/-32.050 χ^2/NDF: 43.6/38

In: 51.923+/-19.175 χ^2/NDF:45.3/40

Out: 58.158+/-18.616 χ^2/NDF:82.6/45

All: 55.133+/-13.357 χ^2/NDF: 128.0/86



Right In: 119.908+/-0.032 χ^2/NDF: 1429892.1/17

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.143+/-0.032 χ^2/NDF: 2128788.5/20

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

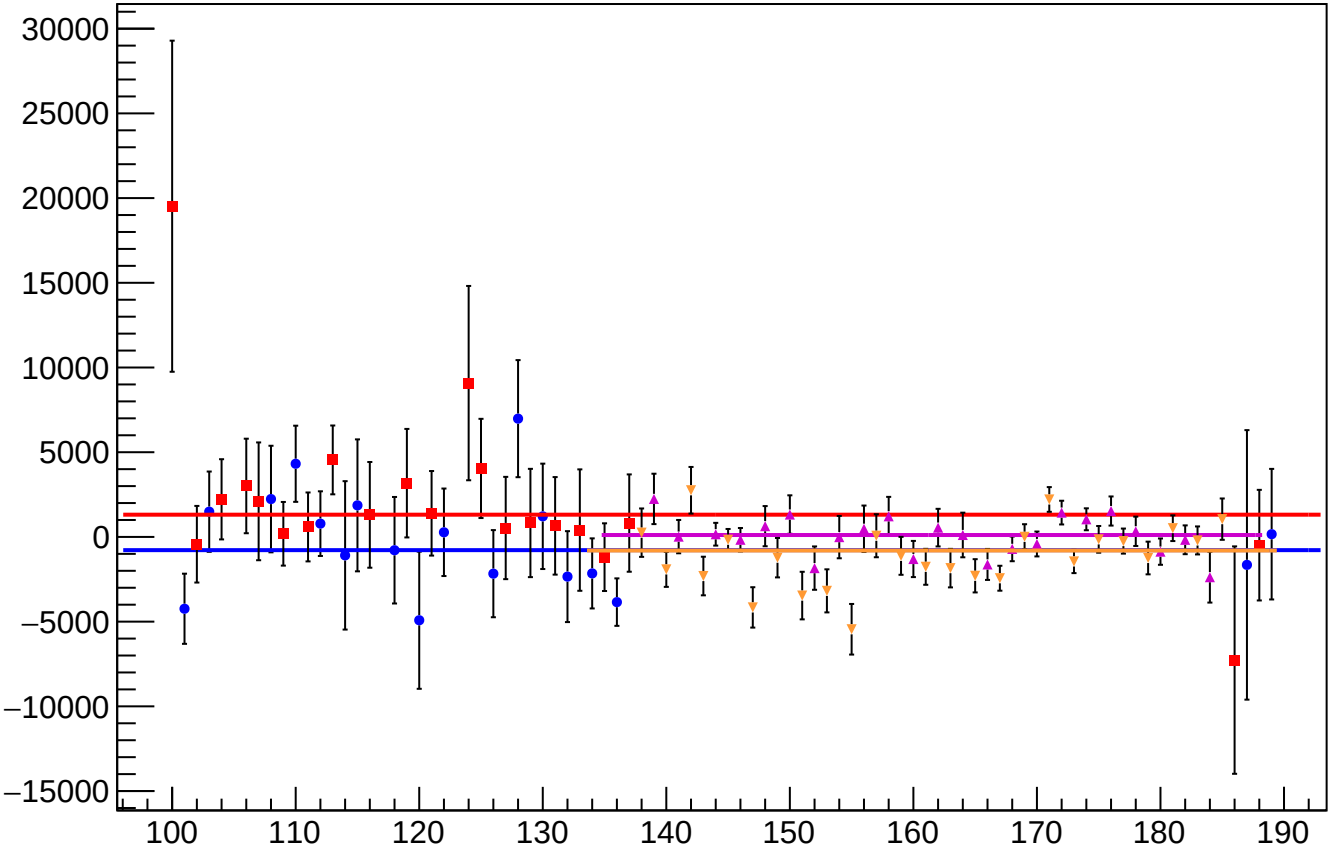
Right: 121.530+/-0.023 χ^2/NDF: 3563772.8/38

In: 94.091+/-0.014 χ^2/NDF:3293182.5/40

Out: 93.659+/-0.013 χ^2/NDF:4363578.1/45

All: 93.869+/-0.009 χ^2/NDF: 7657283.3/86

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -780.242+/-606.520 χ^2/NDF: 23.5/17

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1312.776+/-601.410 χ^2/NDF: 14.4/20

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

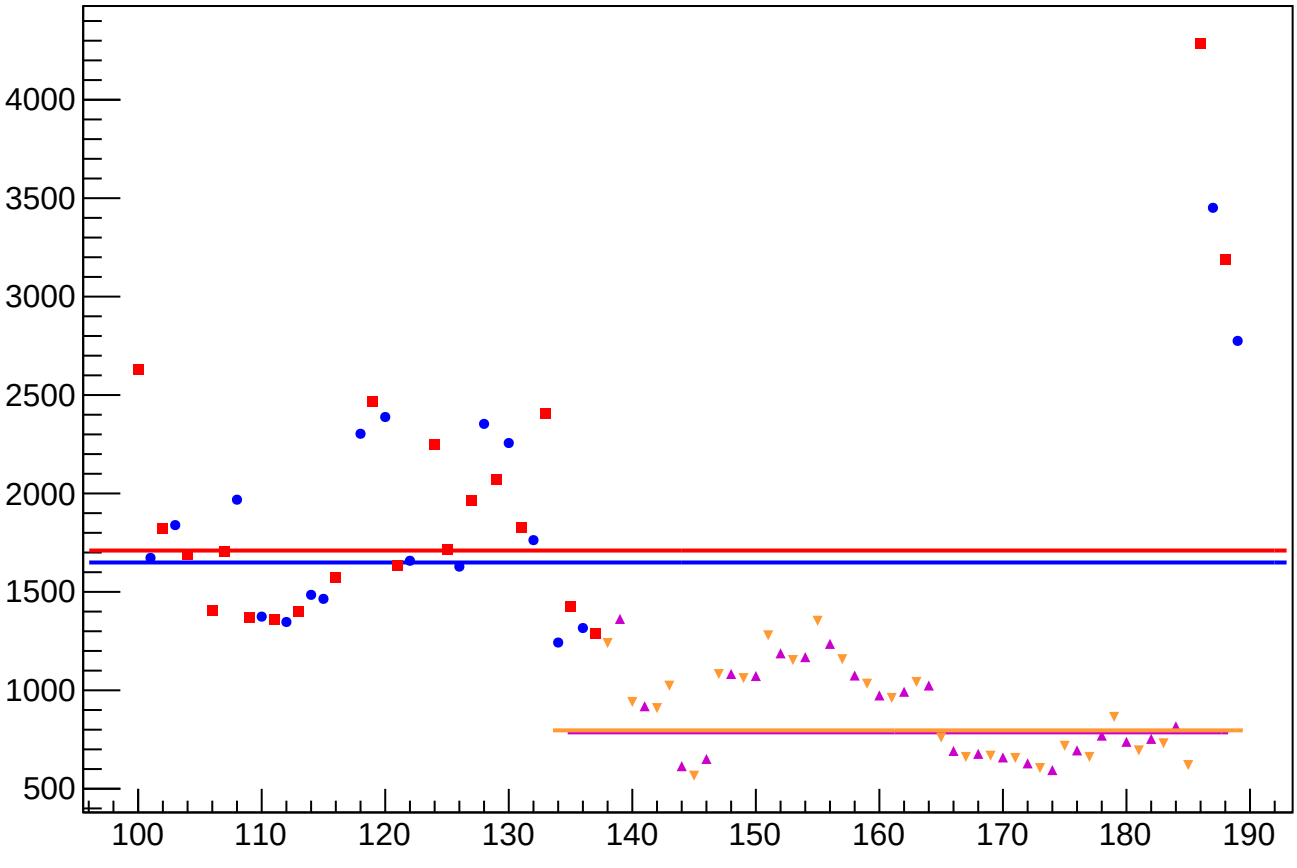
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 275.121+/-427.056 χ^2/NDF: 44.0/38

In: 32.501+/-181.546 χ^2/NDF:52.6/40

Out: -613.734+/-179.224 χ^2/NDF:97.6/45

All: -294.775+/-127.544 χ^2/NDF: 156.6/86



Right In: 1649.363+/-0.429 χ^2/NDF: 900710.4/17

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1709.996+/-0.425 χ^2/NDF: 1261276.7/20

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

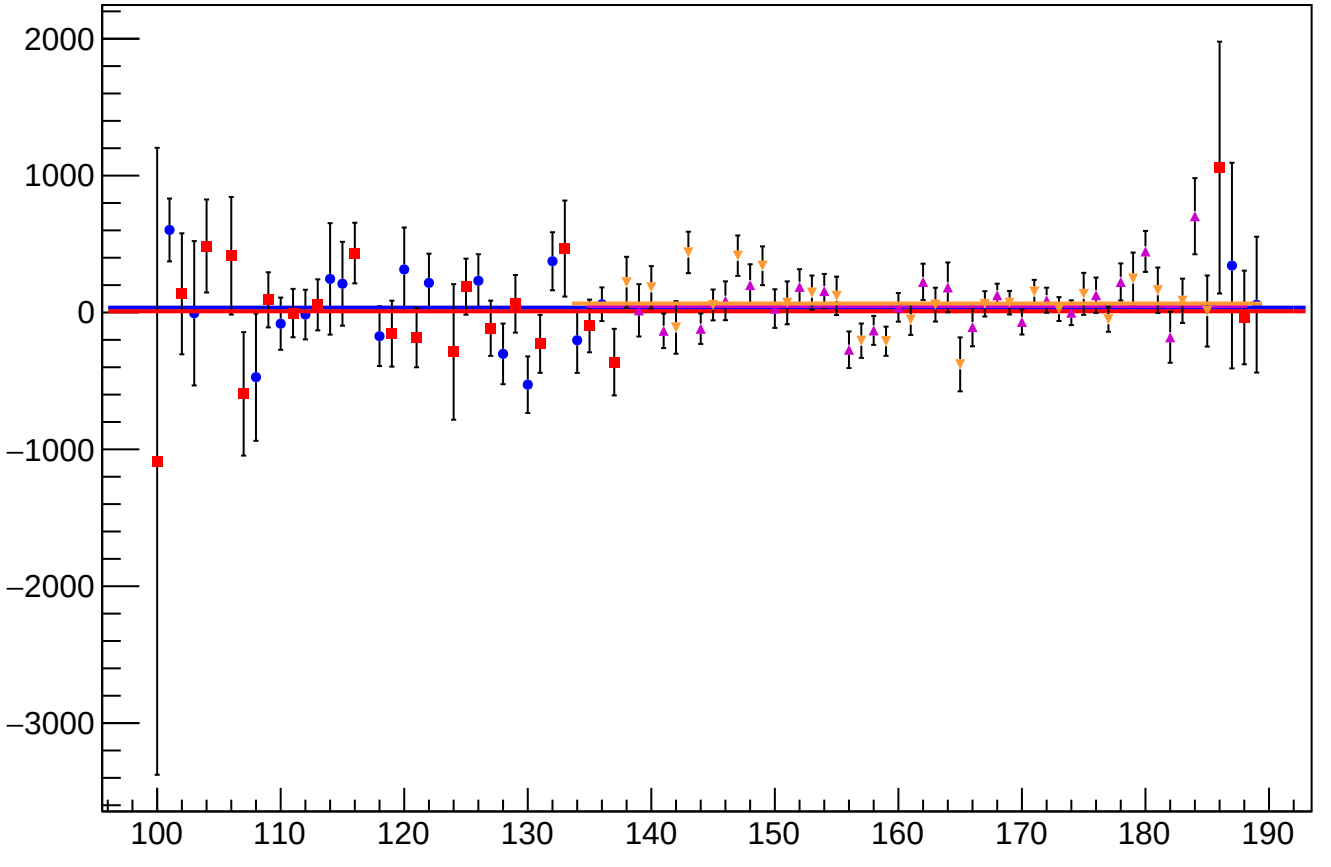
Right: 1679.936+/-0.302 χ^2/NDF: 2172065.4/38

In: 863.658+/-0.128 χ^2/NDF:6743868.3/40

Out: 877.647+/-0.127 χ^2/NDF:7883402.3/45

All: 870.743+/-0.090 χ^2/NDF: 14633284.2/86

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 35.380+/-54.431 χ^2/NDF: 25.3/17

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.797+/-55.251 χ^2/NDF: 18.6/20

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

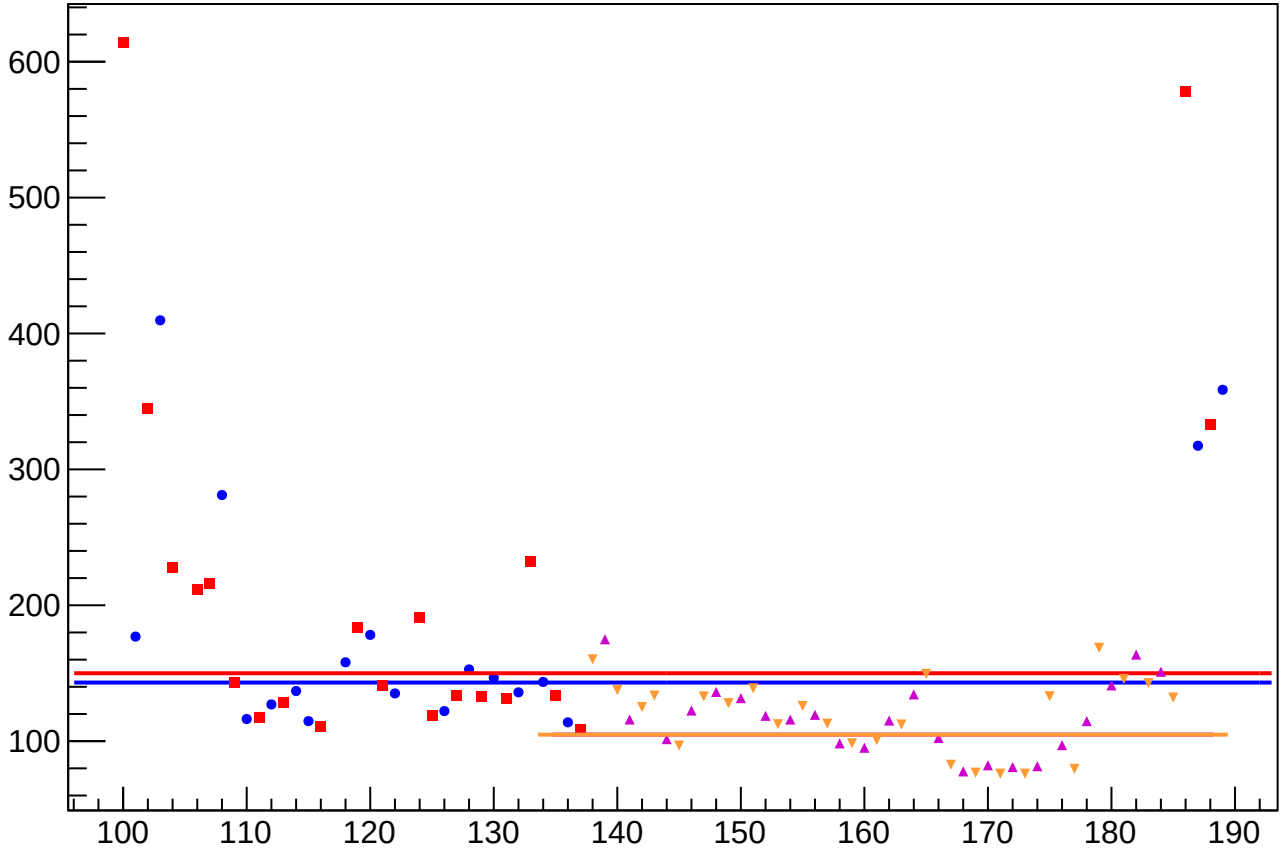
Right: 22.287+/-38.775 χ^2/NDF: 44.1/38

In: 44.914+/-23.237 χ^2/NDF:64.0/40

Out: 55.993+/-22.822 χ^2/NDF:59.6/45

All: 50.553+/-16.282 χ^2/NDF: 123.7/86

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 143.134+/-0.038 χ^2/NDF: 1469701.6/17

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 149.991+/-0.039 χ^2/NDF: 2149578.3/20

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

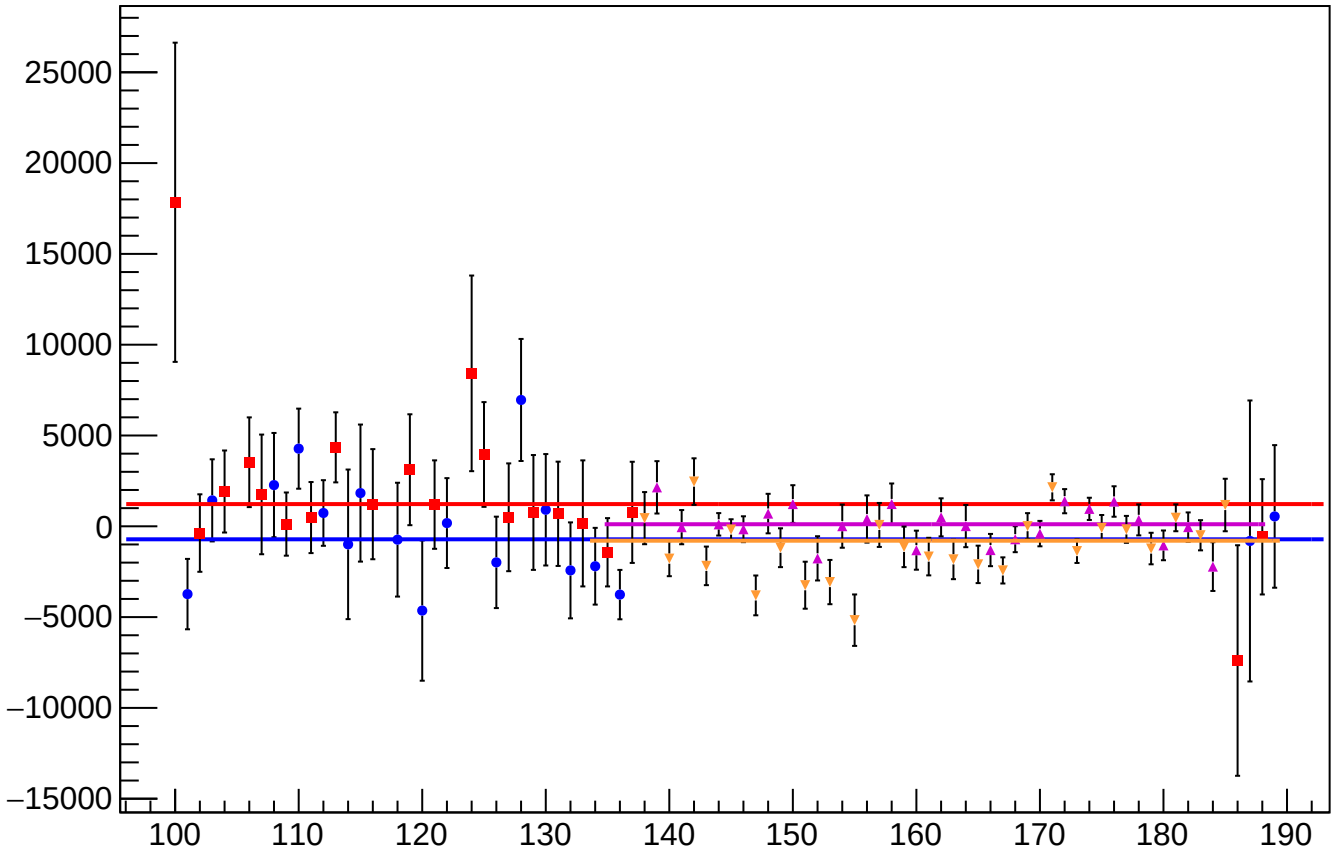
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 146.511+/-0.027 χ^2/NDF: 3634911.2/38

In: 111.815+/-0.016 χ^2/NDF:3893924.5/40

Out: 112.518+/-0.016 χ^2/NDF:5501592.1/45

All: 112.173+/-0.012 χ^2/NDF: 9396450.6/86



Right In: -716.211+/-587.366 χ^2/NDF: 23.6/17

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1223.164+/-573.726 χ^2/NDF: 15.8/20

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

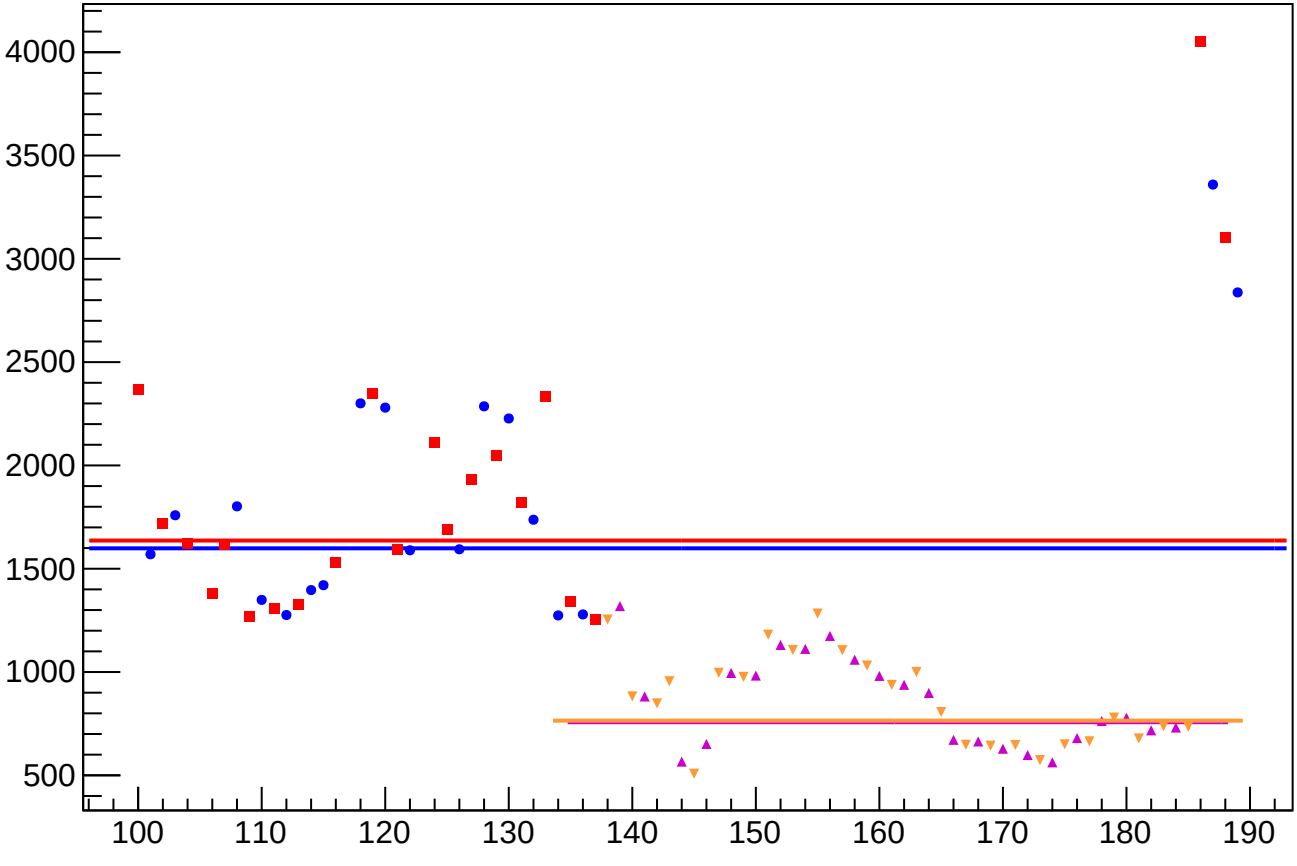
Right: 276.256+/-410.423 χ^2/NDF: 44.9/38

In: 40.158+/-174.826 χ^2/NDF:51.7/40

Out: -612.582+/-171.656 χ^2/NDF:97.0/45

All: -292.183+/-122.484 χ^2/NDF: 155.8/86

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



Right In: 1598.703+/-0.415 χ^2/NDF: 915427.2/17

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1636.346+/-0.406 χ^2/NDF: 1309784.1/20

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

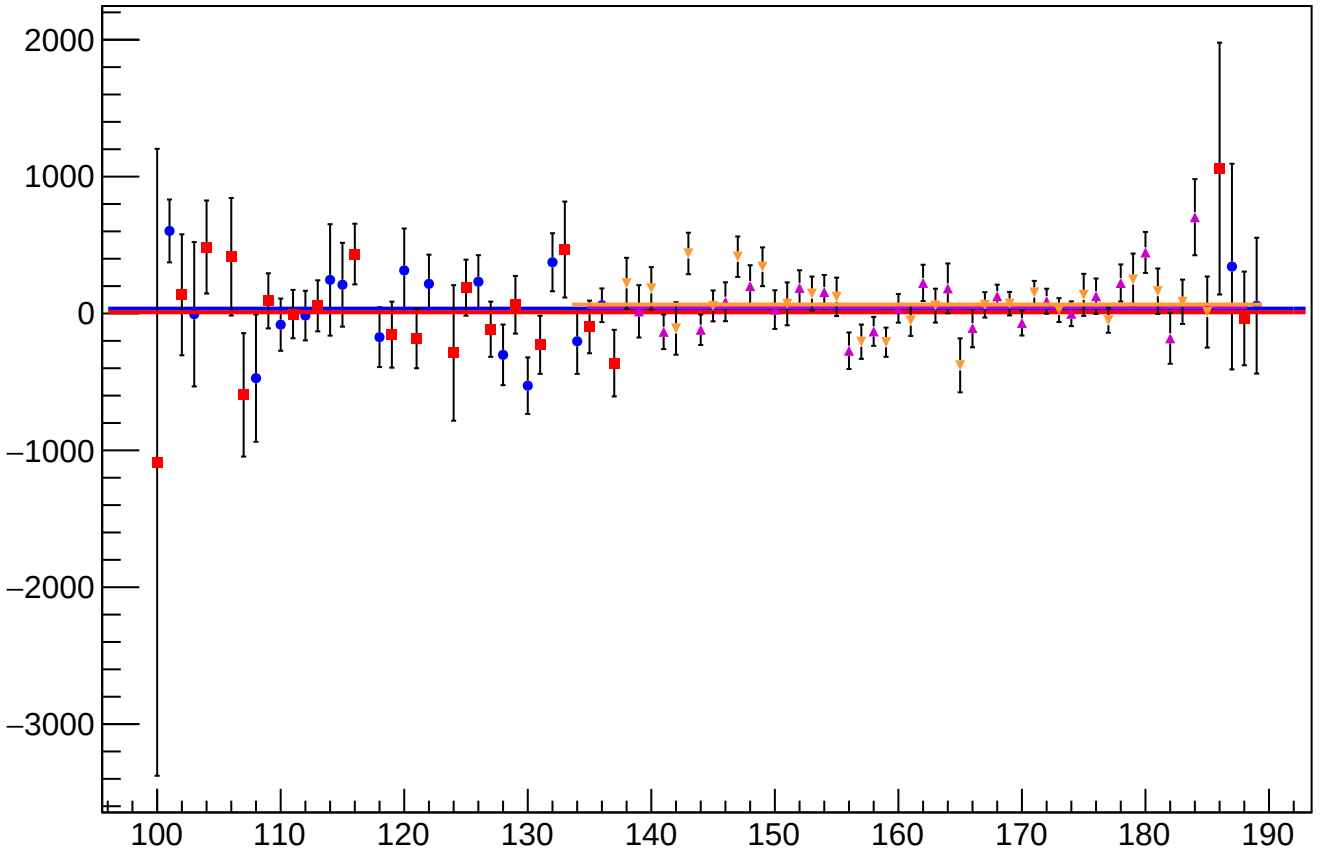
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1617.967+/-0.290 χ^2/NDF: 2229414.9/38

In: 831.501+/-0.124 χ^2/NDF:6774564.9/40

Out: 842.759+/-0.121 χ^2/NDF:7938138.4/45

All: 837.233+/-0.087 χ^2/NDF: 14716925.6/86



Right In: 35.378+/-54.431 χ^2/NDF: 25.3/17

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.793+/-55.252 χ^2/NDF: 18.6/20

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

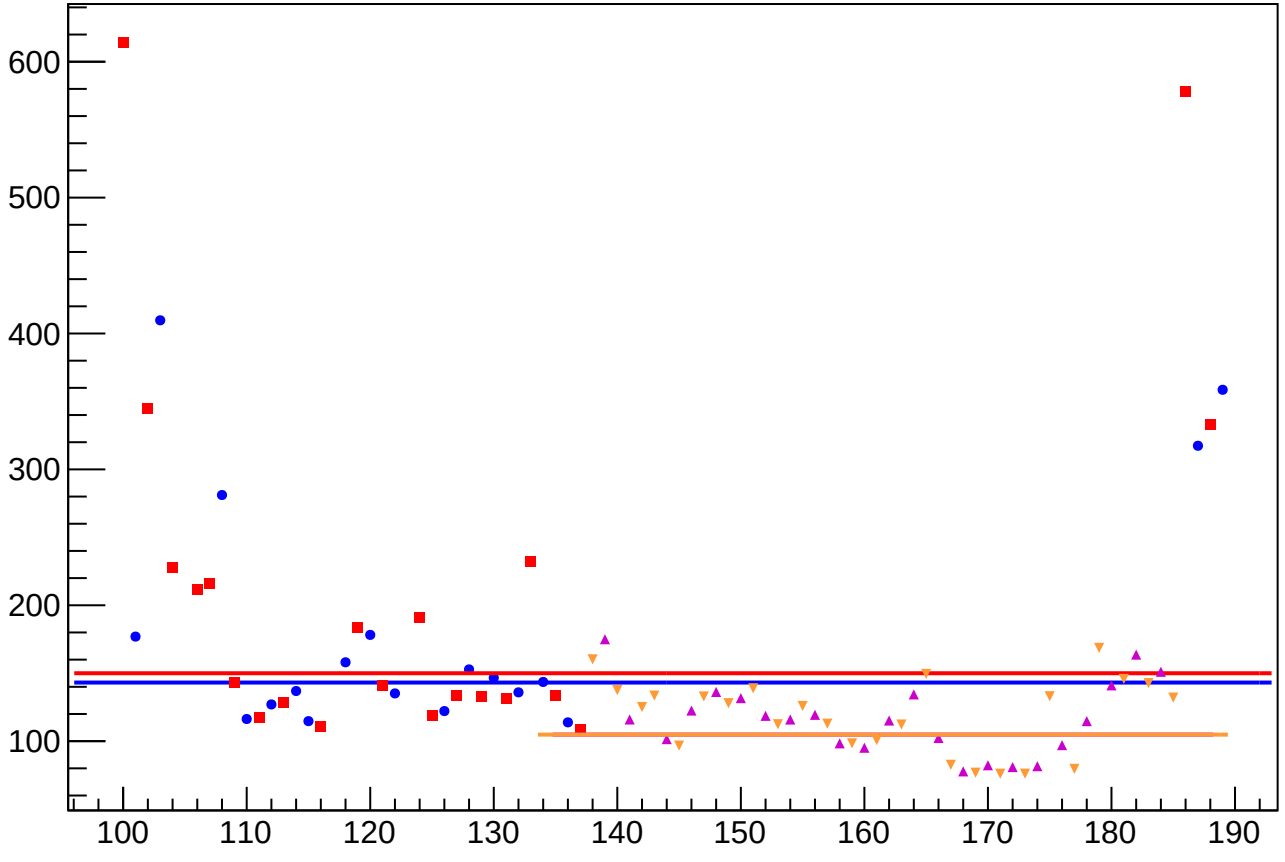
Right: 22.284+/-38.776 χ^2/NDF: 44.1/38

In: 44.913+/-23.237 χ^2/NDF:64.0/40

Out: 55.993+/-22.822 χ^2/NDF:59.6/45

All: 50.553+/-16.282 χ^2/NDF: 123.7/86

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 143.135+/-0.038 χ^2/NDF: 1469703.7/17

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 149.992+/-0.039 χ^2/NDF: 2149588.4/20

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

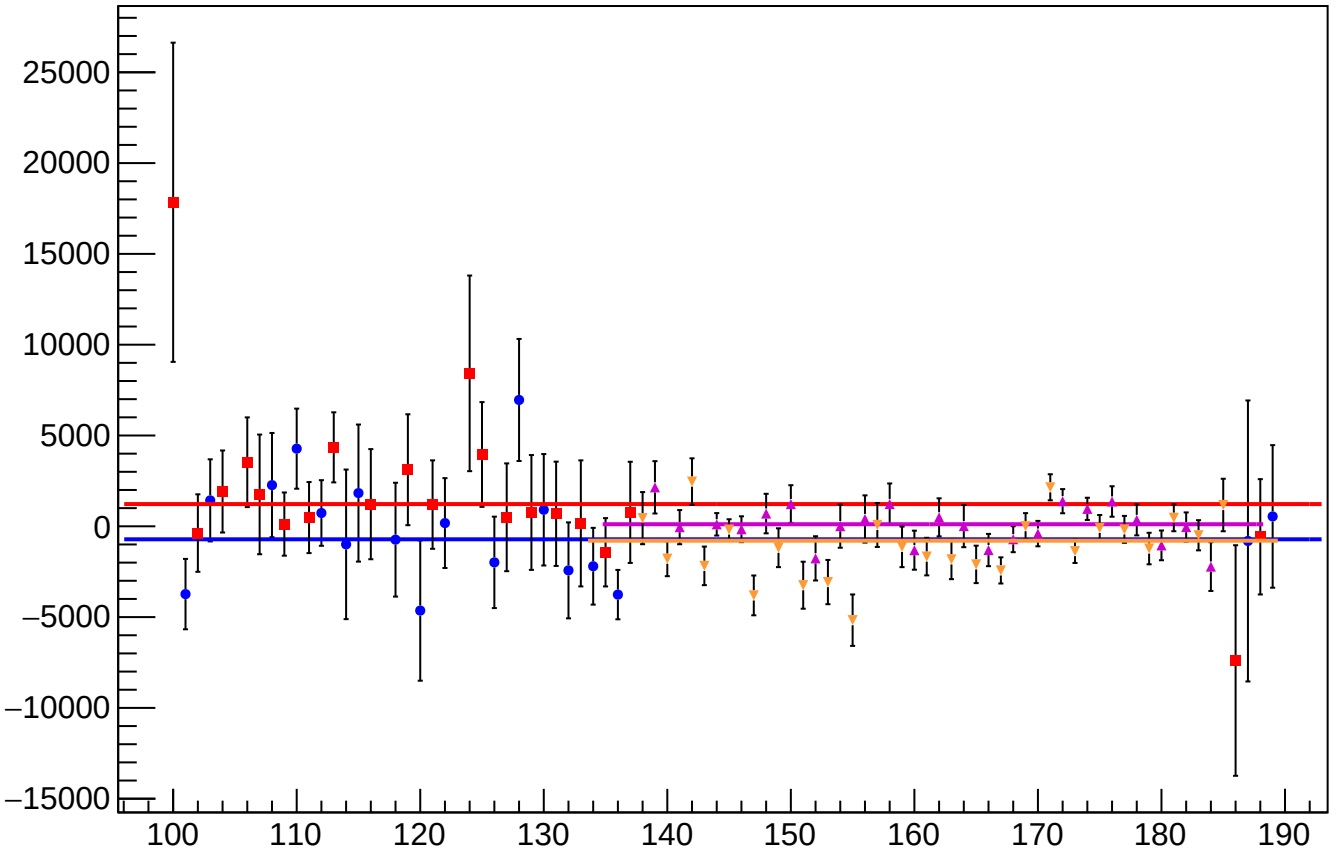
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 146.512+/-0.027 χ^2/NDF: 3634924.2/38

In: 111.815+/-0.016 χ^2/NDF:3893930.2/40

Out: 112.519+/-0.016 χ^2/NDF:5501622.4/45

All: 112.173+/-0.012 χ^2/NDF: 9396486.7/86



Right In: -716.209+/-587.365 χ^2/NDF: 23.6/17

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1223.164+/-573.725 χ^2/NDF: 15.8/20

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

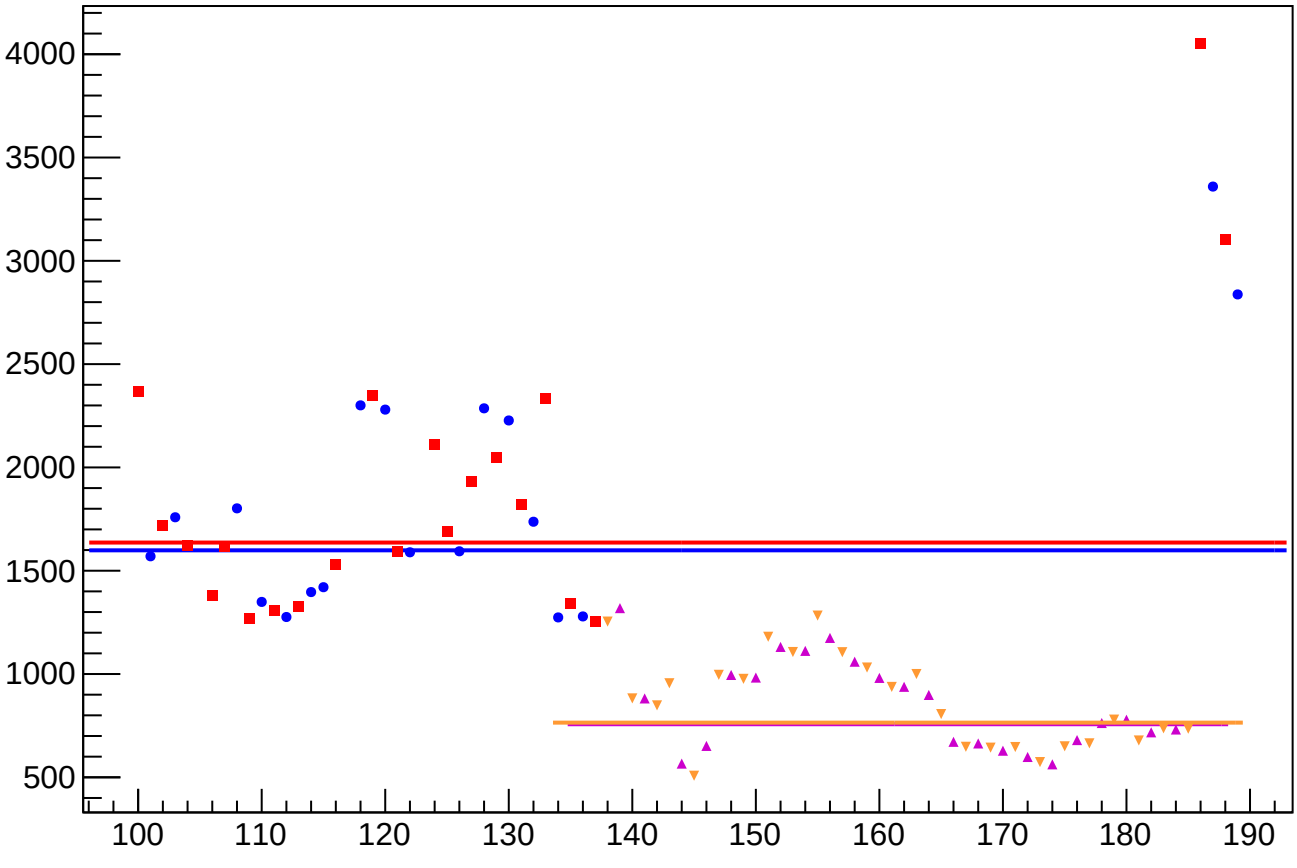
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 276.257+/-410.422 χ^2/NDF: 44.9/38

In: 40.158+/-174.826 χ^2/NDF:51.7/40

Out: -612.583+/-171.656 χ^2/NDF:97.0/45

All: -292.184+/-122.484 χ^2/NDF: 155.8/86



Right In: 1598.702+/-0.415 χ^2/NDF: 915427.6/17

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1636.344+/-0.406 χ^2/NDF: 1309780.9/20

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

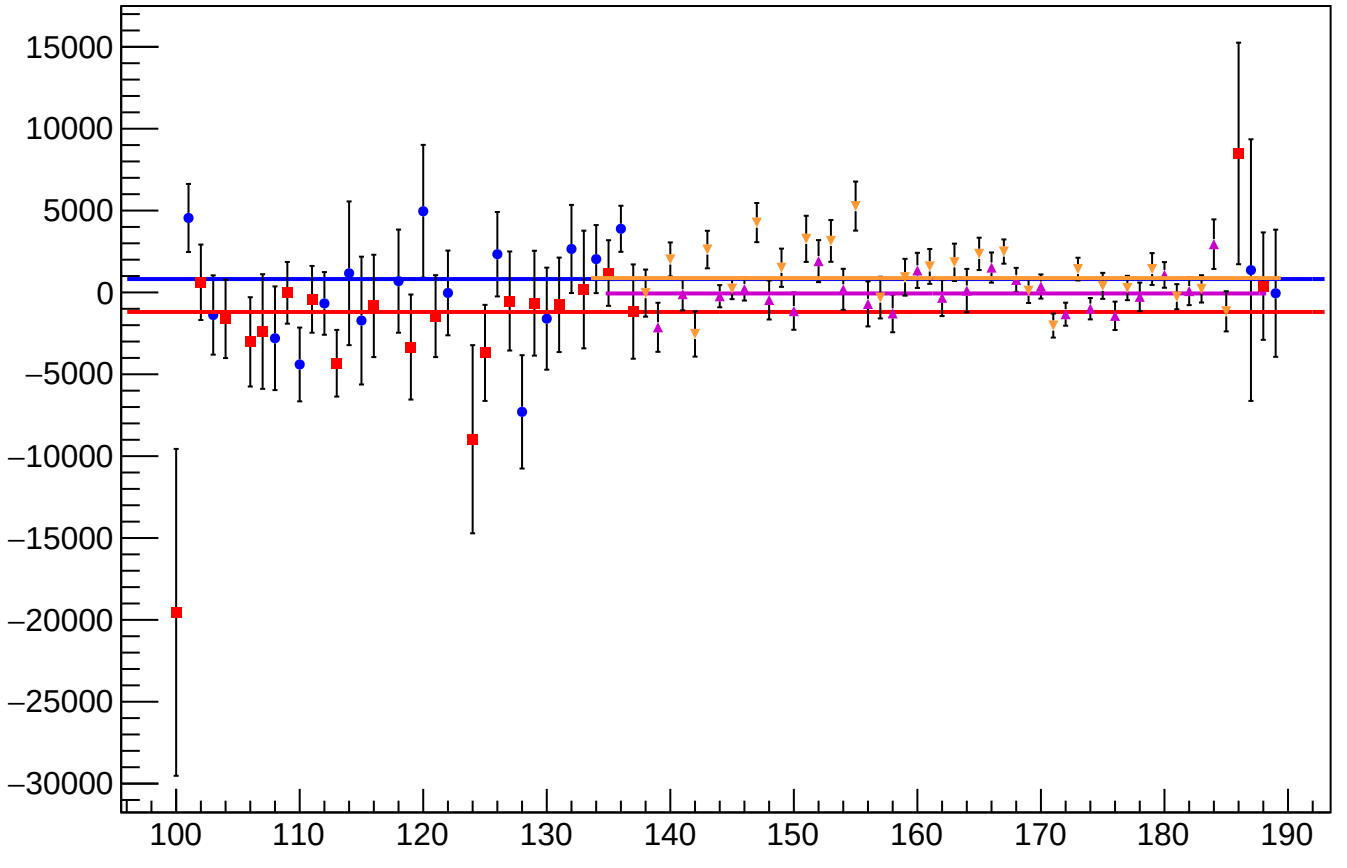
Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

Right: 1617.965+/-0.290 χ^2/NDF: 2229412.0/38

In: 831.500+/-0.124 χ^2/NDF:6774559.1/40

Out: 842.758+/-0.121 χ^2/NDF:7938124.1/45

All: 837.232+/-0.087 χ^2/NDF: 14716905.6/86



Right In: 816.754+/-609.295 χ^2/NDF: 25.0/17

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1193.438+/-603.414 χ^2/NDF: 14.4/20

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

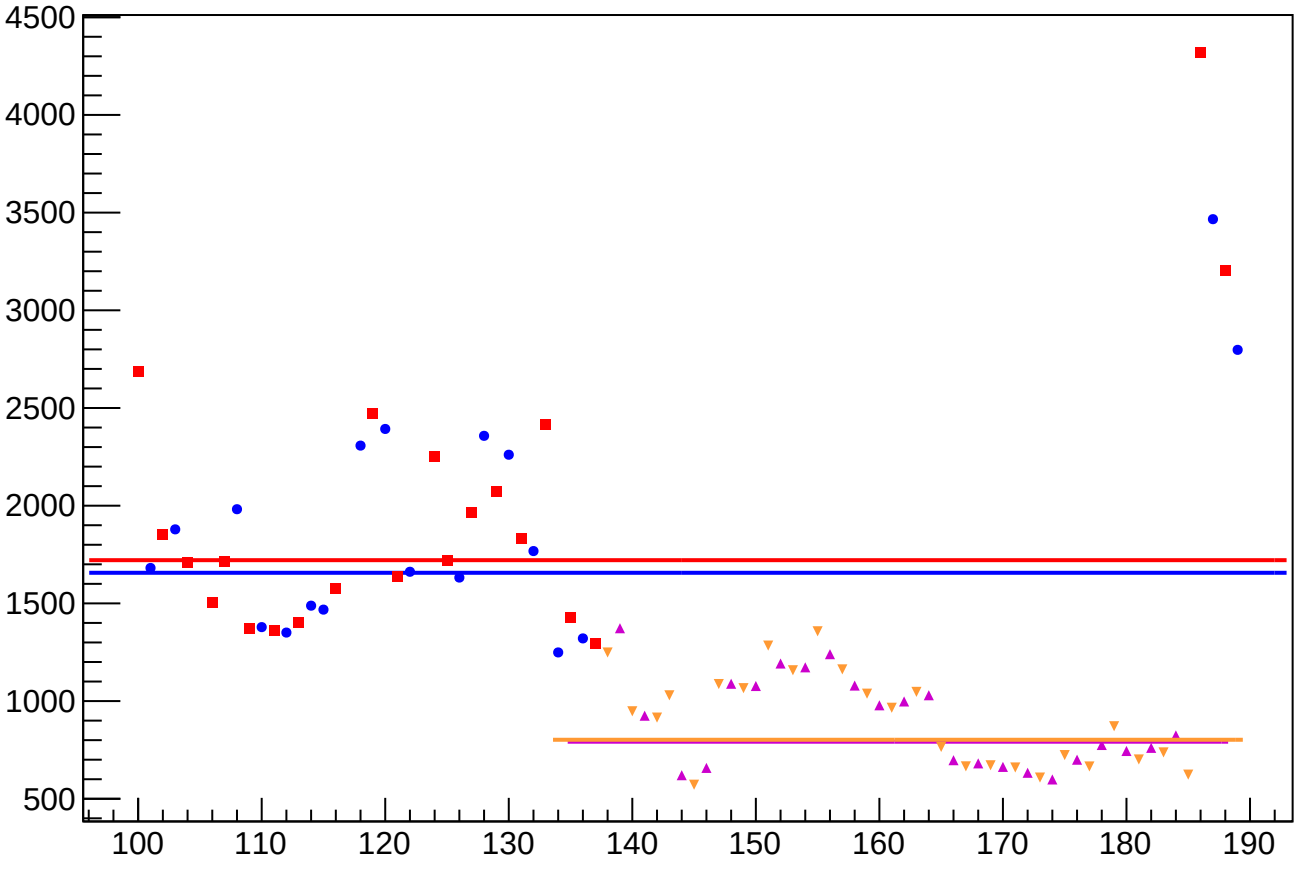
Right: -198.091+/-428.742 χ^2/NDF: 44.9/38

In: 16.388+/-182.773 χ^2/NDF:54.0/40

Out: 691.557+/-180.358 χ^2/NDF:92.4/45

All: 358.462+/-128.378 χ^2/NDF: 153.3/86

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1656.615+/-0.431 χ^2/NDF: 905734.2/17

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1721.156+/-0.427 χ^2/NDF: 1256367.1/20

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

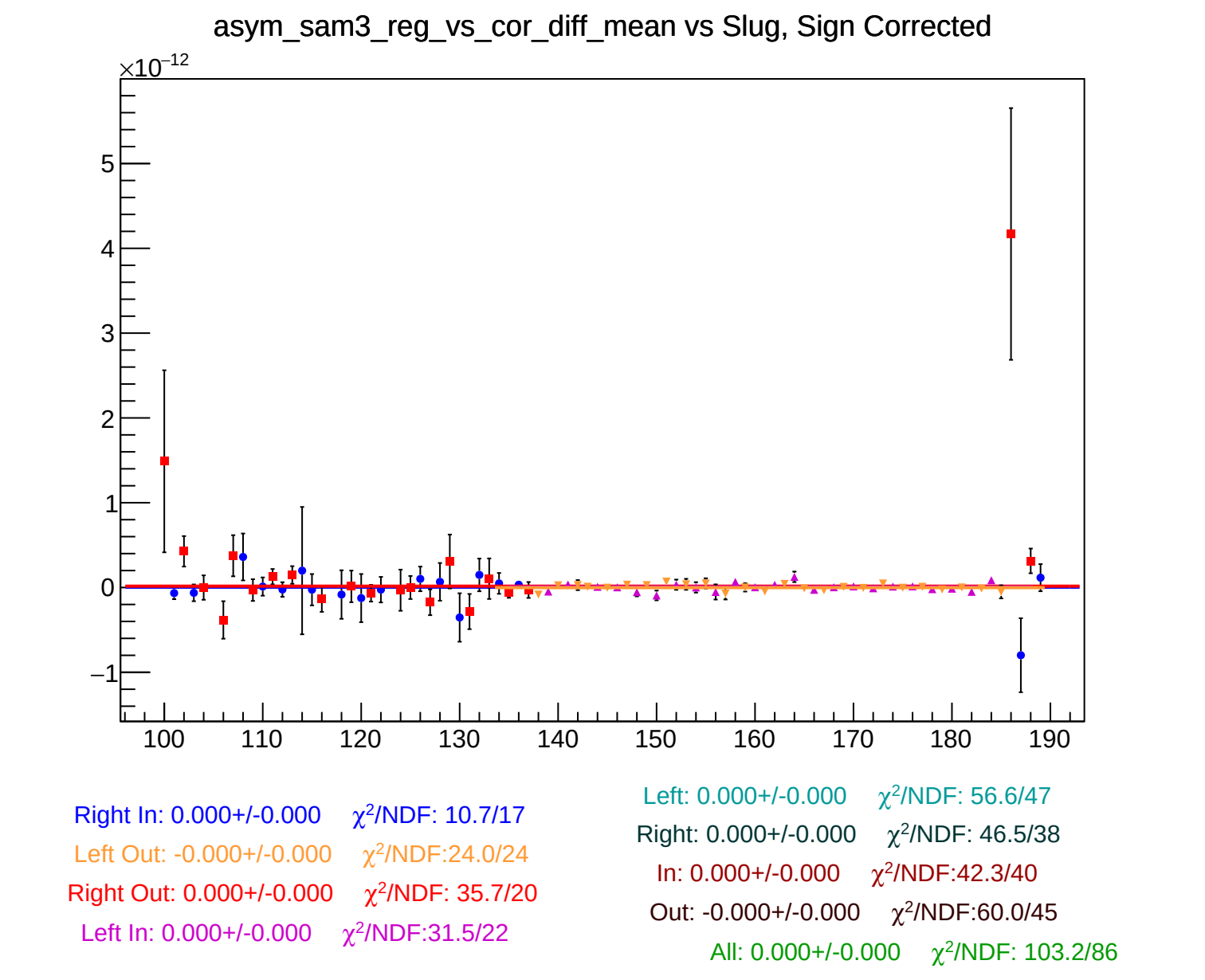
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

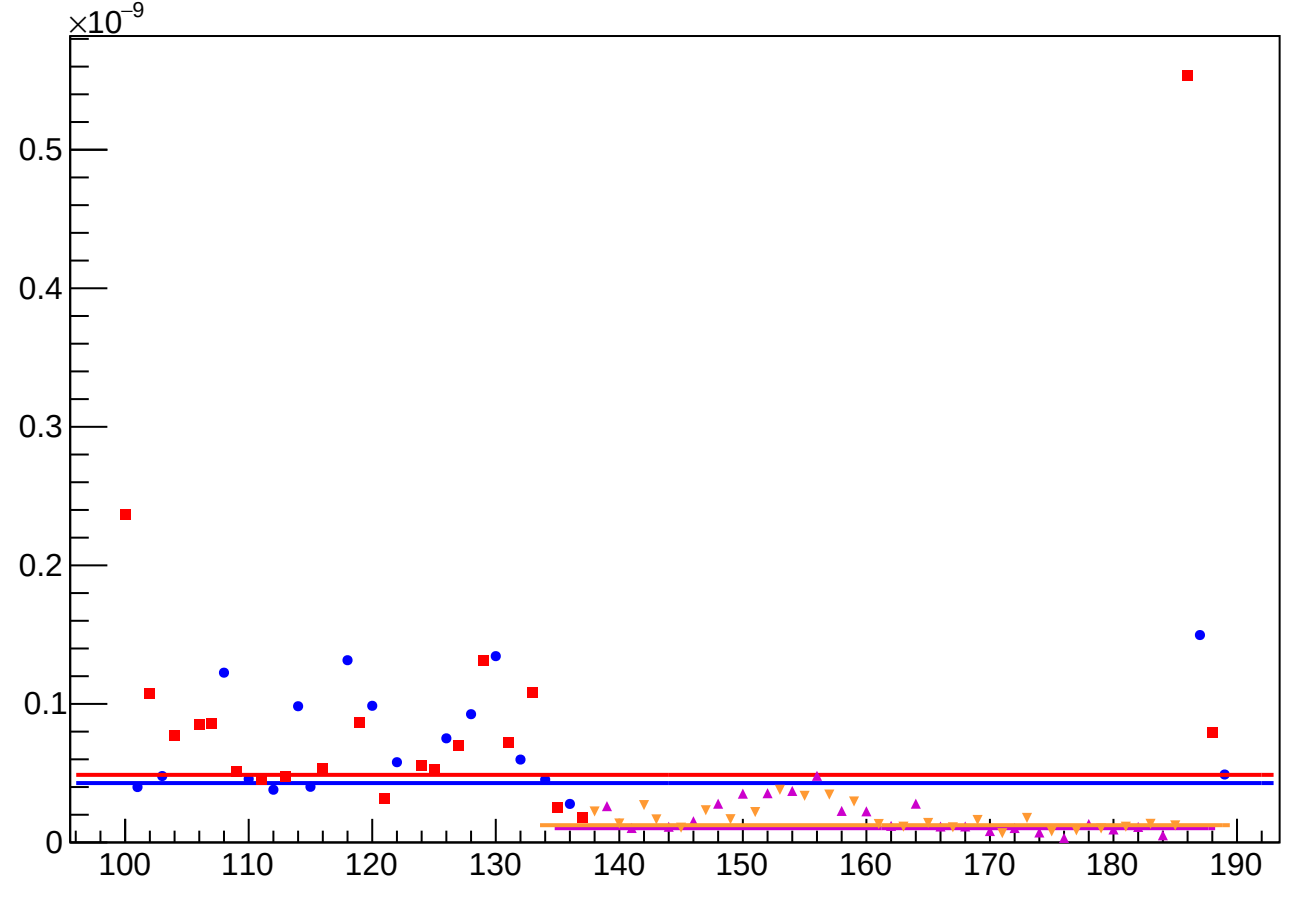
Right: 1689.199+/-0.303 χ^2/NDF: 2173430.7/38

In: 869.857+/-0.129 χ^2/NDF:6705754.8/40

Out: 884.130+/-0.128 χ^2/NDF:7878313.0/45

All: 877.088+/-0.091 χ^2/NDF: 14590247.0/86


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.7/17
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.7/20
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: 46.5/38
In: 0.000+/-0.000 χ²/NDF:42.3/40
Out: -0.000+/-0.000 χ²/NDF:60.0/45
All: 0.000+/-0.000 χ²/NDF: 103.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 1271814.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1736481.0/20

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

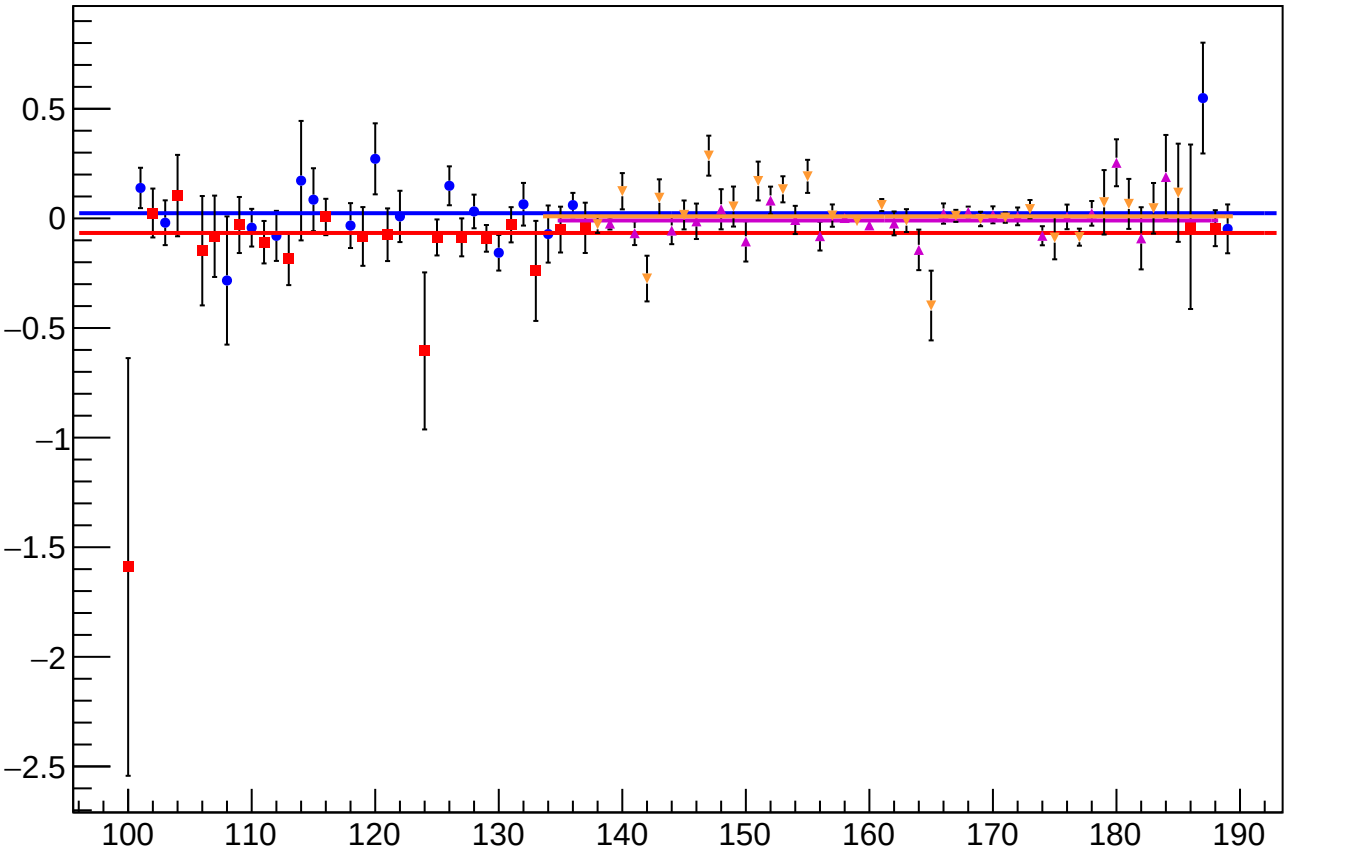
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3052281.4/38

In: 0.000+/-0.000 χ^2/NDF:7802712.8/40

Out: 0.000+/-0.000 χ^2/NDF:6849762.3/45

All: 0.000+/-0.000 χ^2/NDF: 14844604.4/86



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

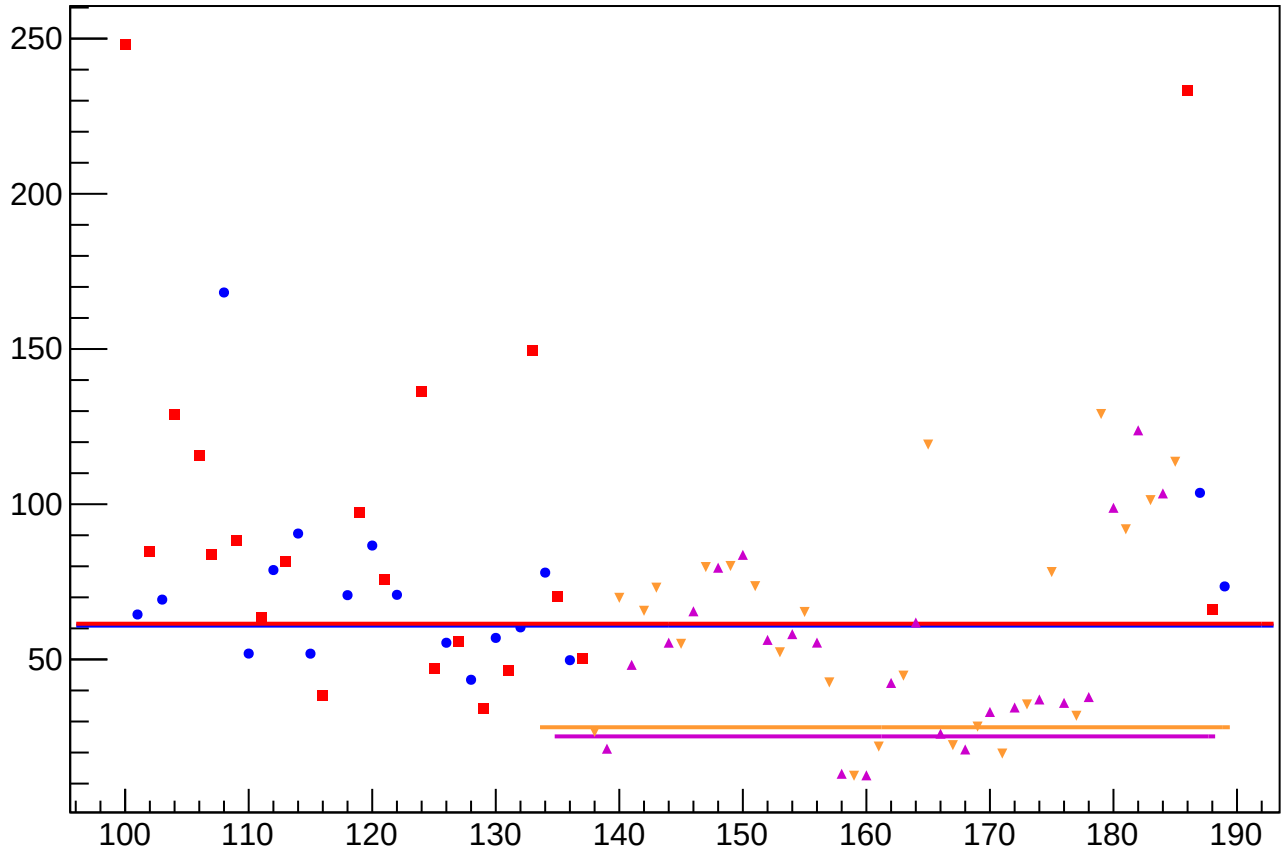
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.021+/-0.017 χ^2/NDF: 36.9/38

In: -0.006+/-0.008 χ^2/NDF:47.1/40

Out: 0.001+/-0.008 χ^2/NDF:73.2/45

All: -0.003+/-0.005 χ^2/NDF: 120.8/86



Right In: 60.894+/-0.017 χ^2/NDF: 785367.6/17

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.505+/-0.017 χ^2/NDF: 2408532.6/20

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

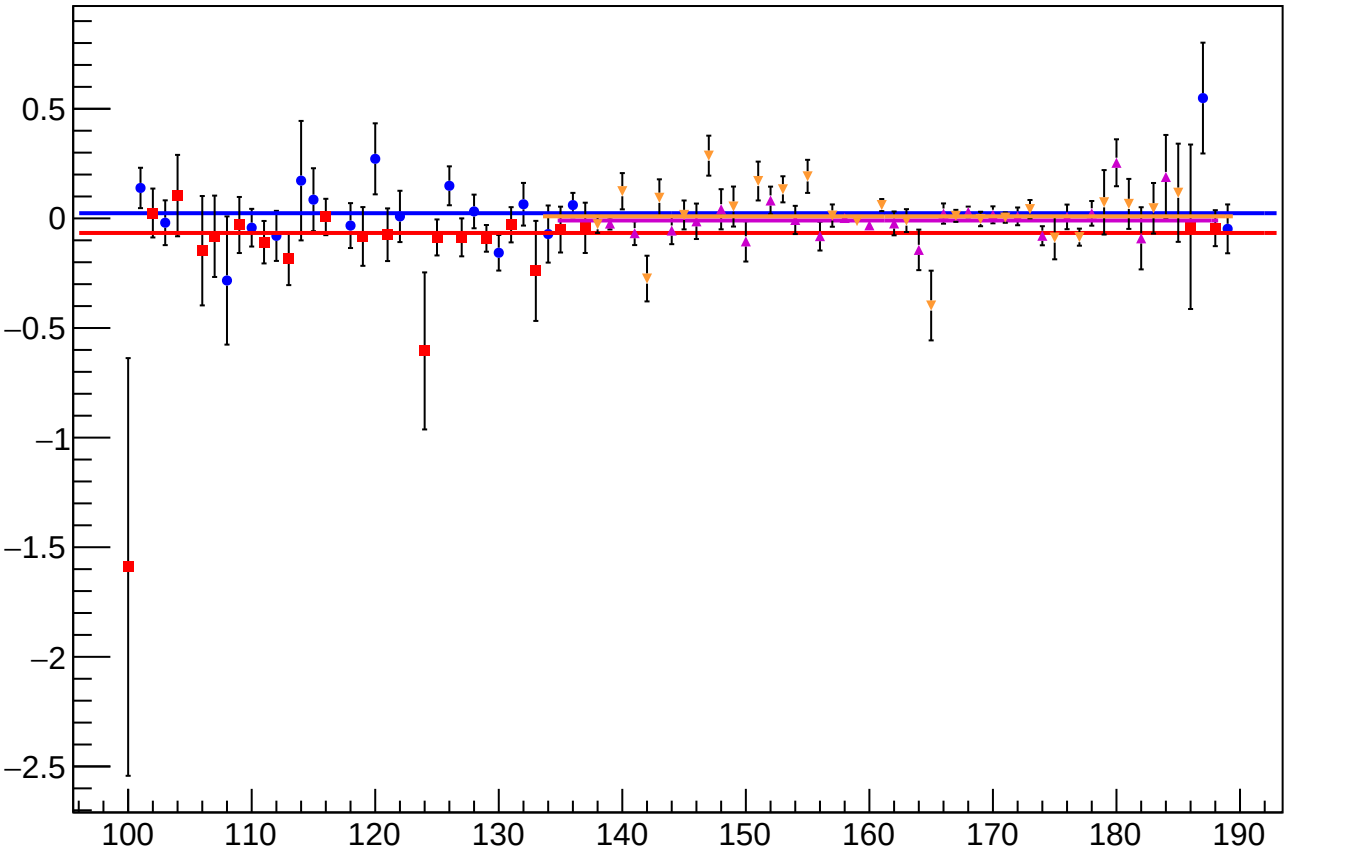
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 61.198+/-0.012 χ^2/NDF: 3194546.3/38

In: 28.718+/-0.005 χ^2/NDF:14742579.5/40

Out: 31.807+/-0.006 χ^2/NDF:16888221.9/45

All: 30.172+/-0.004 χ^2/NDF: 31789342.9/86



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

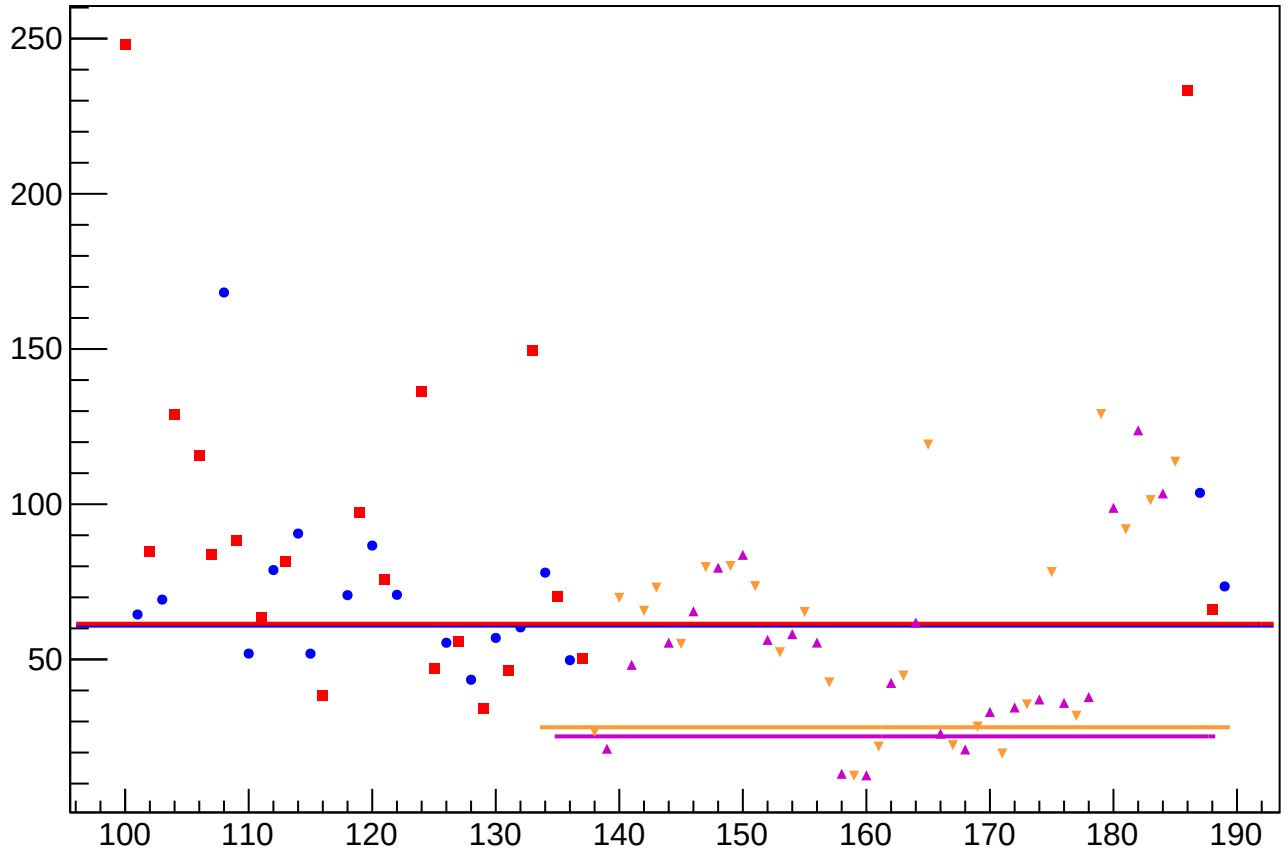
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.021+/-0.017 χ^2/NDF: 36.9/38

In: -0.006+/-0.008 χ^2/NDF:47.1/40

Out: 0.001+/-0.008 χ^2/NDF:73.2/45

All: -0.003+/-0.005 χ^2/NDF: 120.8/86



Right In: 60.894+/-0.017 χ^2/NDF: 785367.6/17

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.505+/-0.017 χ^2/NDF: 2408532.6/20

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

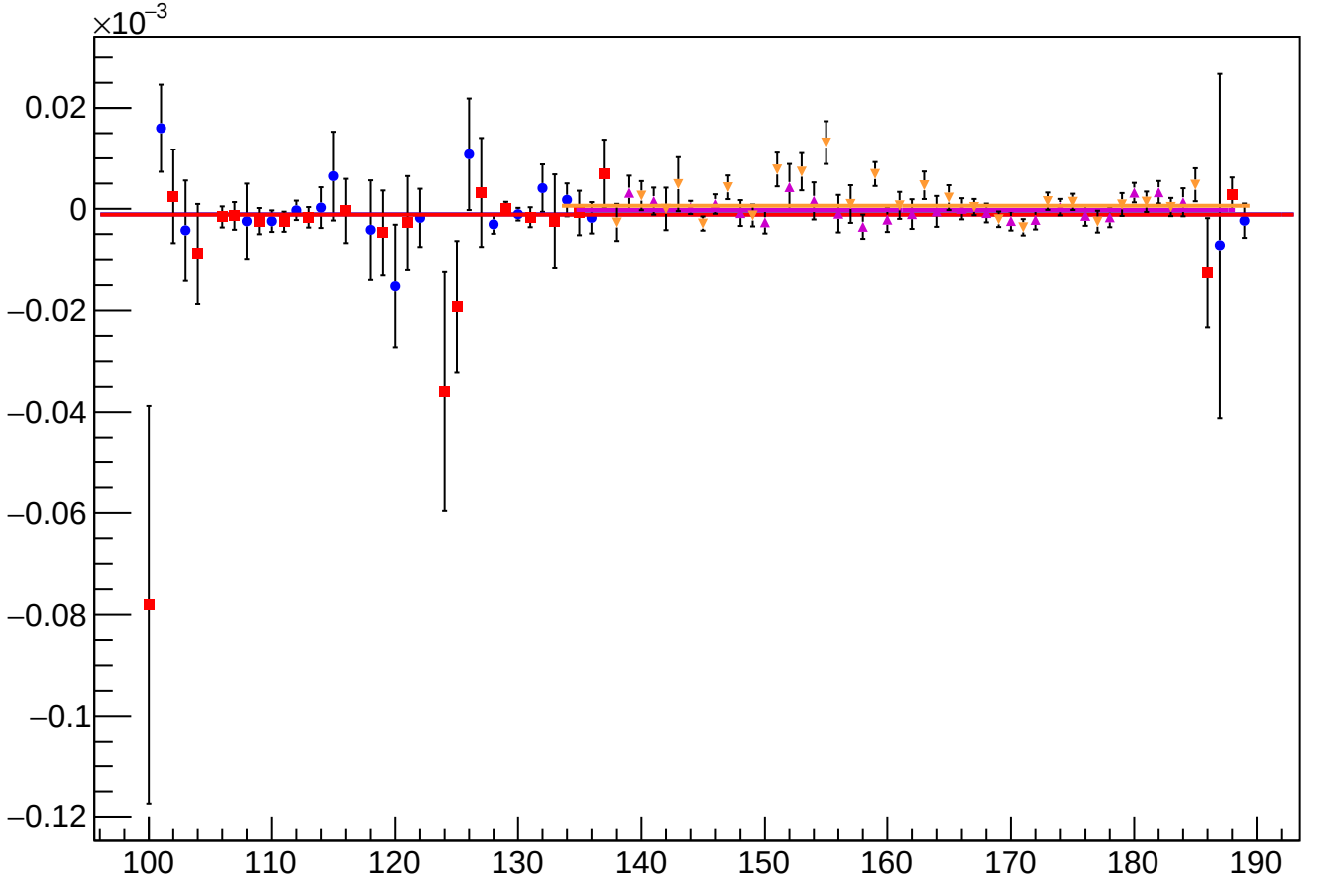
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 61.198+/-0.012 χ^2/NDF: 3194546.3/38

In: 28.718+/-0.005 χ^2/NDF:14742579.5/40

Out: 31.807+/-0.006 χ^2/NDF:16888221.9/45

All: 30.172+/-0.004 χ^2/NDF: 31789342.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/20

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

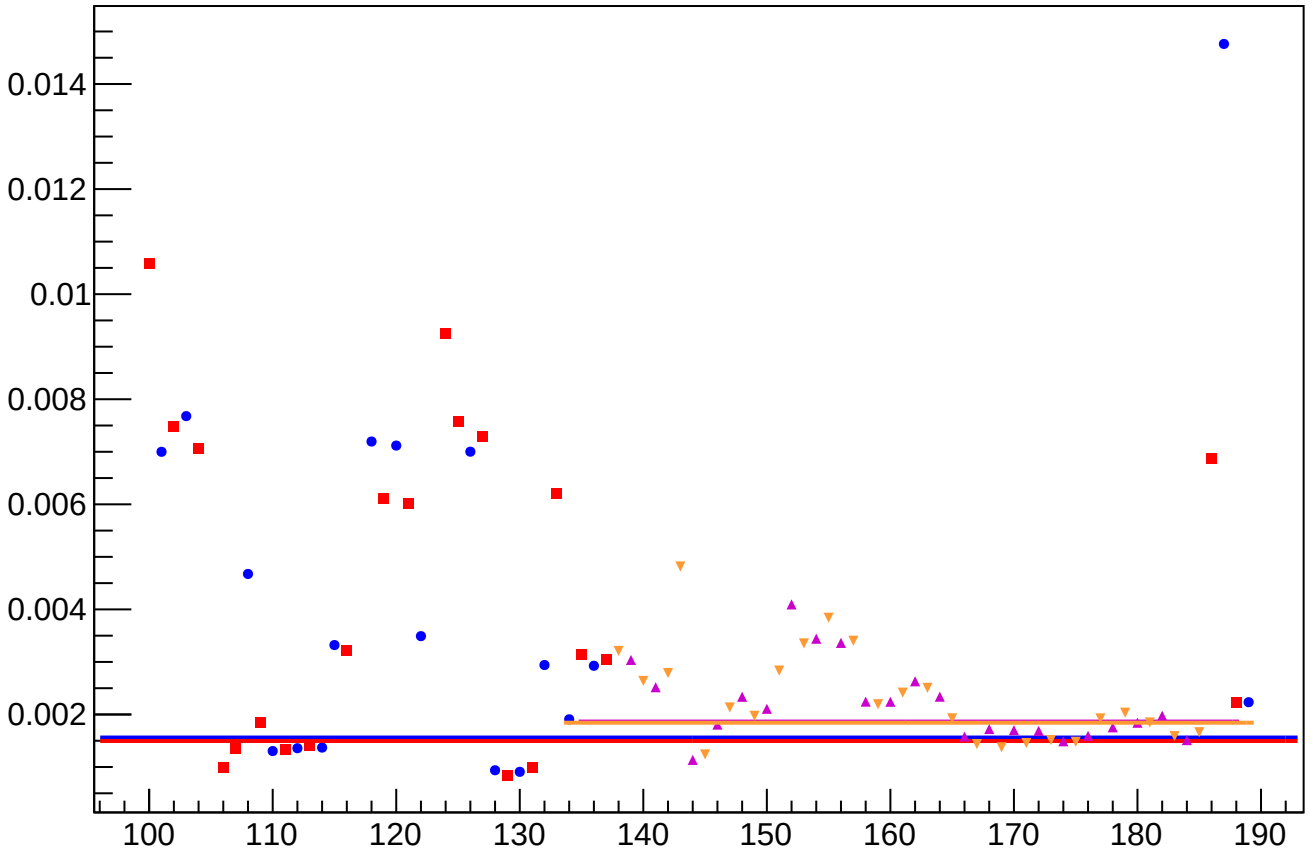
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 26.6/38

In: -0.000+/-0.000 χ^2/NDF:29.0/40

Out: 0.000+/-0.000 χ^2/NDF:72.1/45

All: -0.000+/-0.000 χ^2/NDF: 102.2/86



Right In: 0.002+/-0.000 χ^2/NDF: 5568367.8/17

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6400495.1/20

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

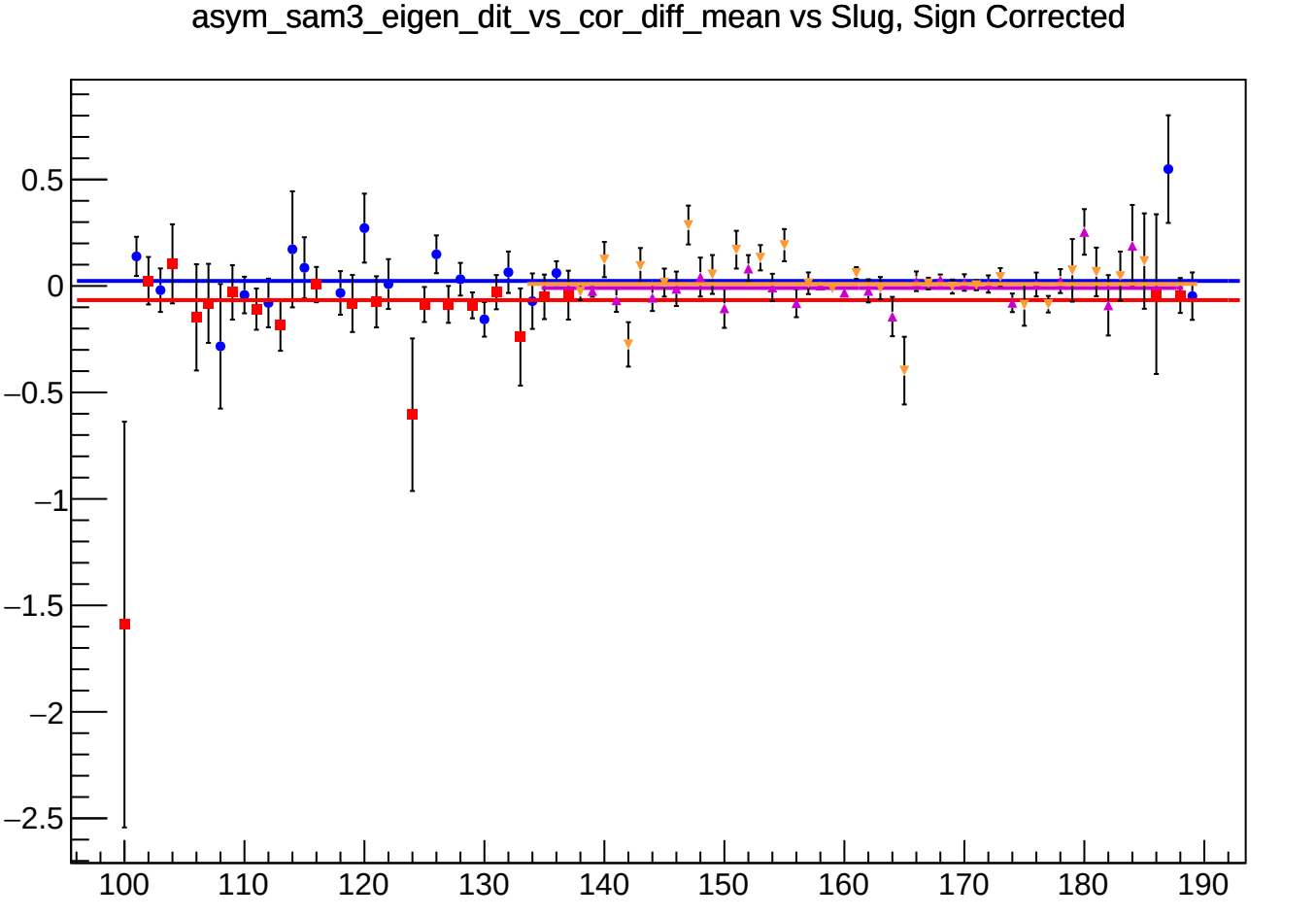
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 11977490.7/38

In: 0.002+/-0.000 χ^2/NDF:8615372.7/40

Out: 0.002+/-0.000 χ^2/NDF:10547890.9/45

All: 0.002+/-0.000 χ^2/NDF: 19173078.4/86



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

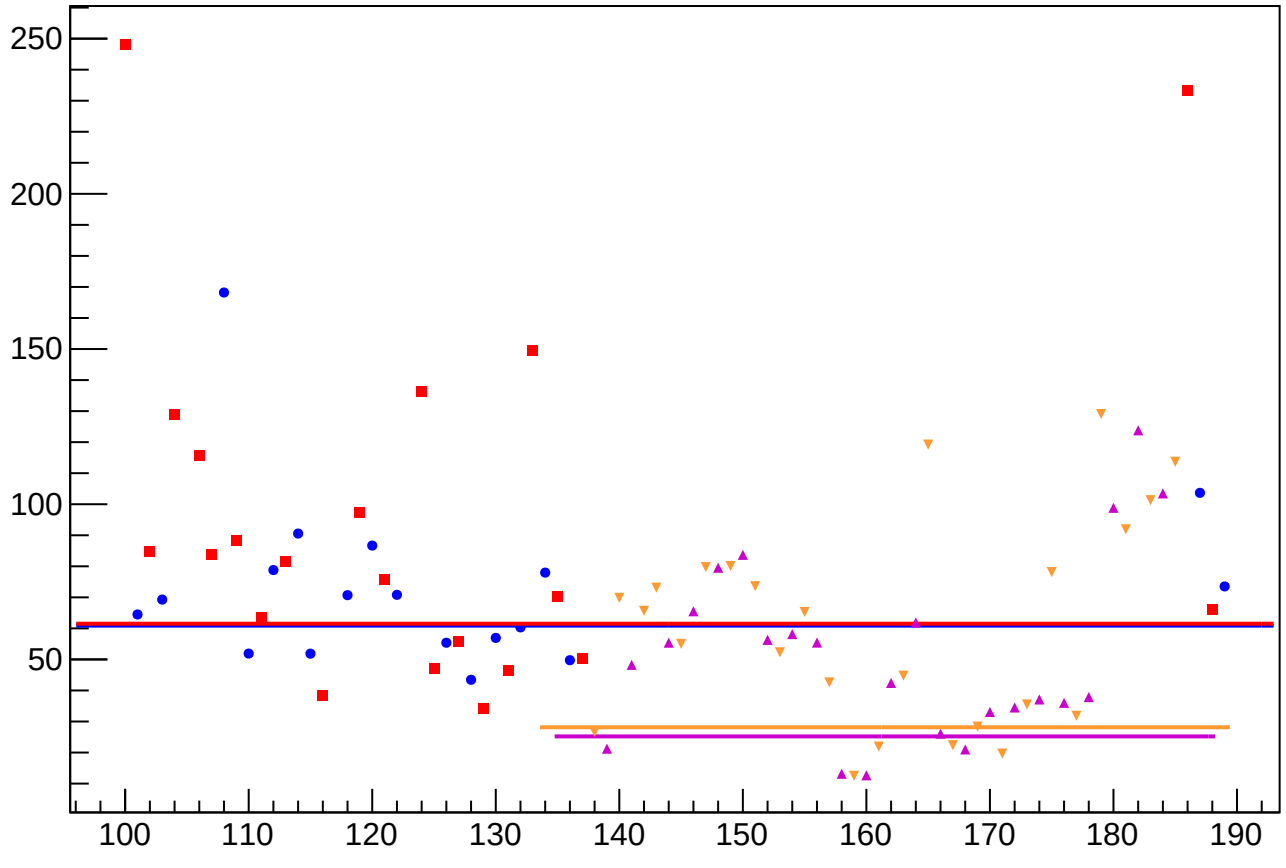
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.021+/-0.017 χ^2/NDF: 36.9/38

In: -0.006+/-0.008 χ^2/NDF:47.1/40

Out: 0.001+/-0.008 χ^2/NDF:73.2/45

All: -0.003+/-0.005 χ^2/NDF: 120.8/86



Right In: 60.895+/-0.017 χ^2/NDF: 785423.4/17

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.506+/-0.017 χ^2/NDF: 2408624.1/20

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

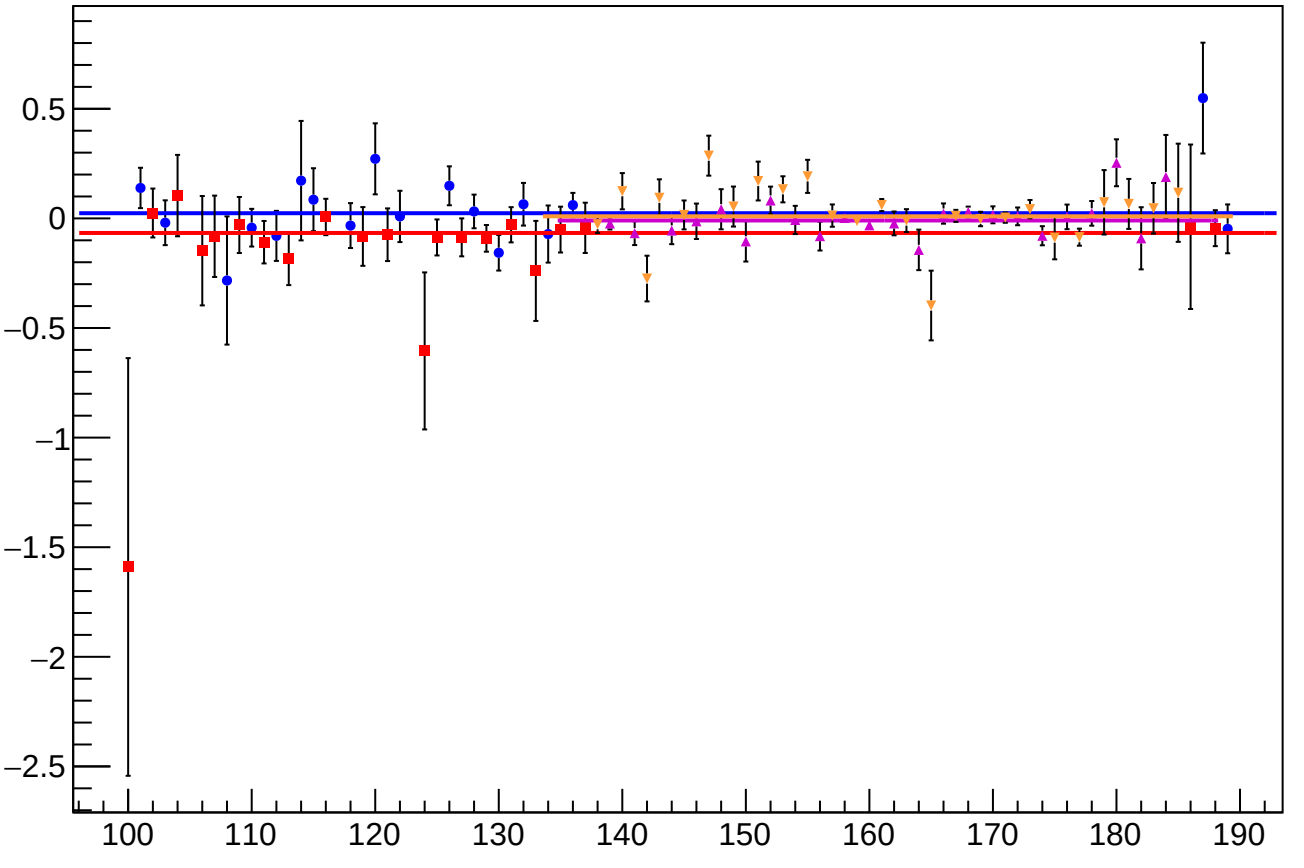
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 61.199+/-0.012 χ^2/NDF: 3194694.2/38

In: 28.718+/-0.005 χ^2/NDF:14743285.3/40

Out: 31.805+/-0.006 χ^2/NDF:16889750.1/45

All: 30.171+/-0.004 χ^2/NDF: 31791495.9/86



Right In: 0.024+/-0.024 χ^2/NDF: 20.2/17

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

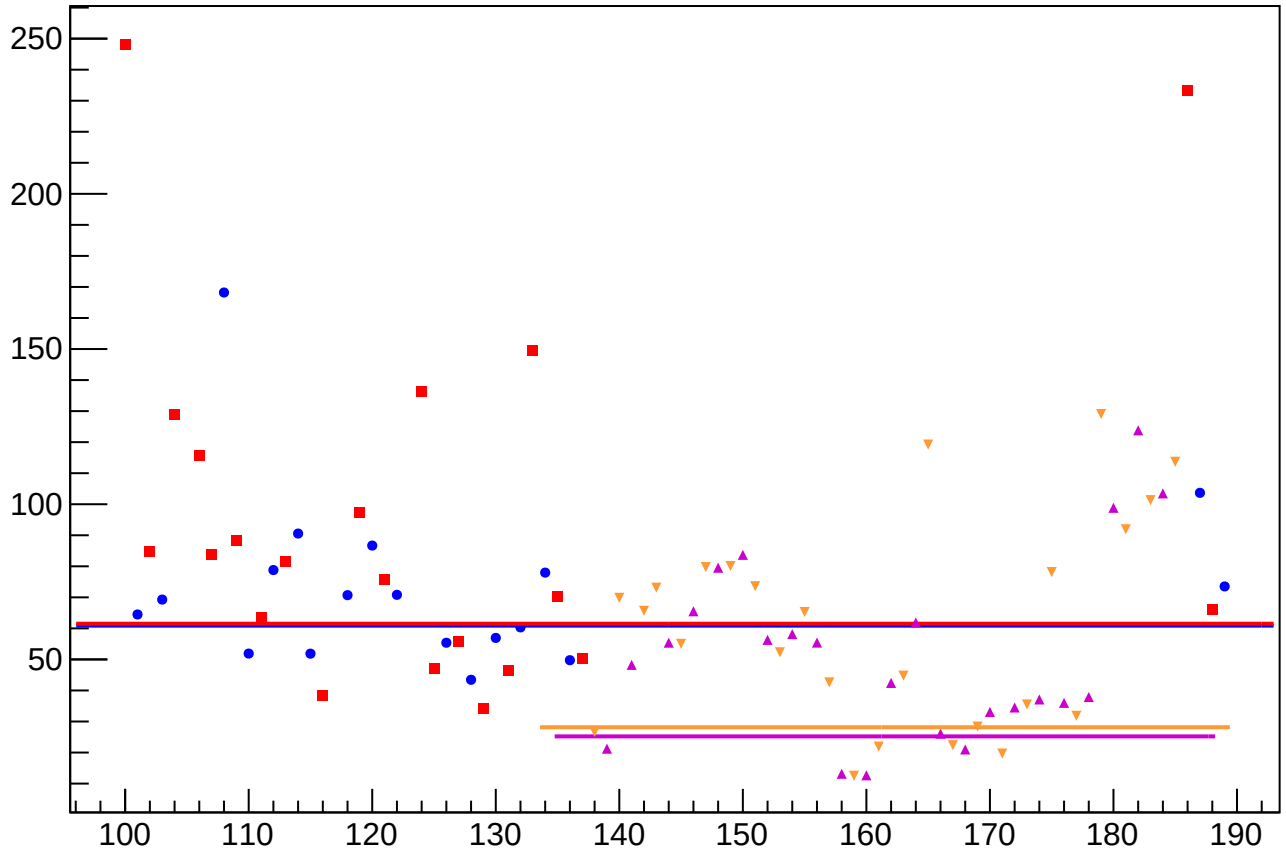
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.021+/-0.017 χ^2/NDF: 36.9/38

In: -0.006+/-0.008 χ^2/NDF:47.1/40

Out: 0.001+/-0.008 χ^2/NDF:73.2/45

All: -0.003+/-0.005 χ^2/NDF: 120.8/86



Right In: 60.895+/-0.017 χ^2/NDF: 785423.4/17

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.506+/-0.017 χ^2/NDF: 2408624.1/20

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

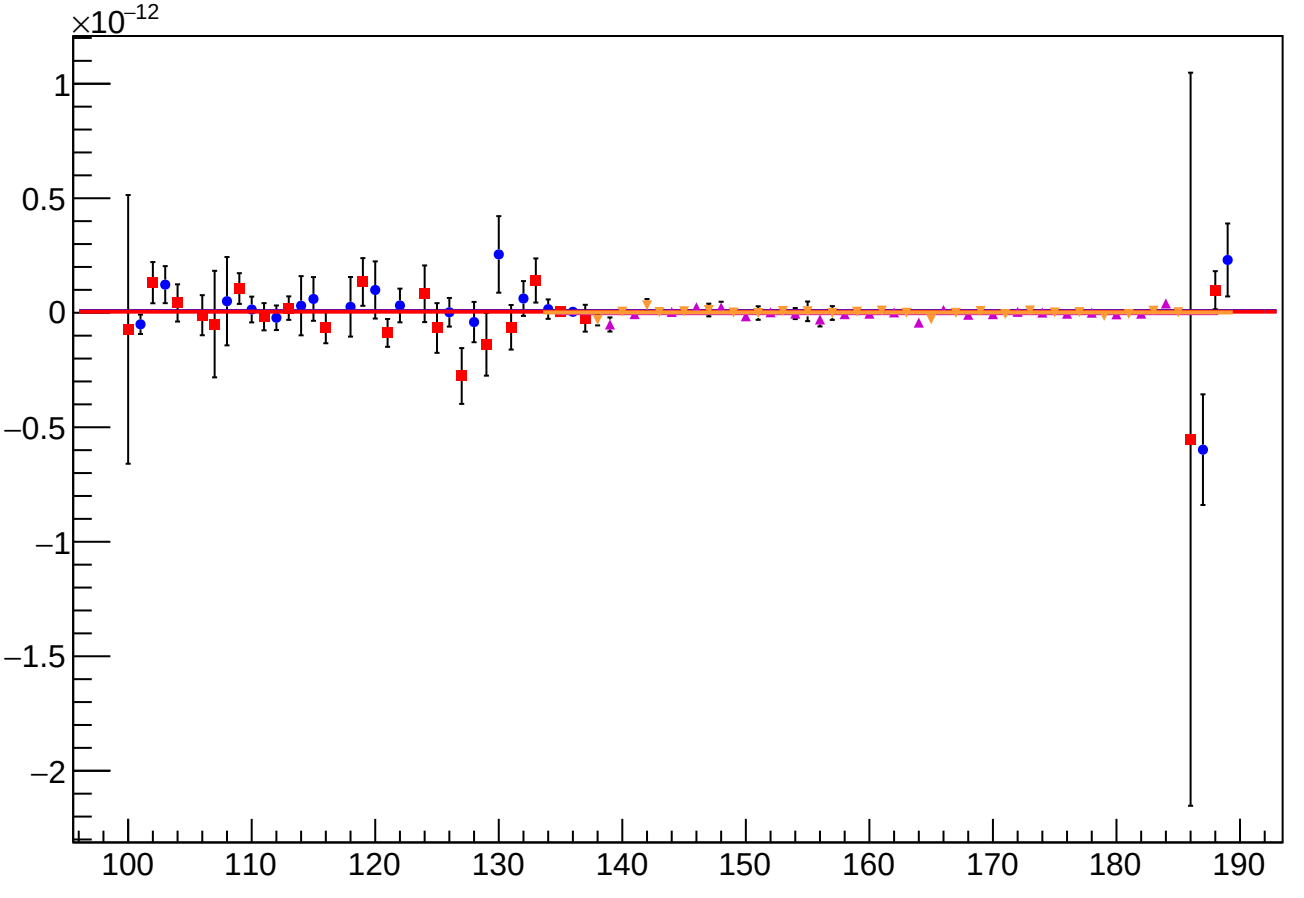
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 61.199+/-0.012 χ^2/NDF: 3194694.2/38

In: 28.718+/-0.005 χ^2/NDF:14743285.3/40

Out: 31.805+/-0.006 χ^2/NDF:16889750.1/45

All: 30.171+/-0.004 χ^2/NDF: 31791495.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/20

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

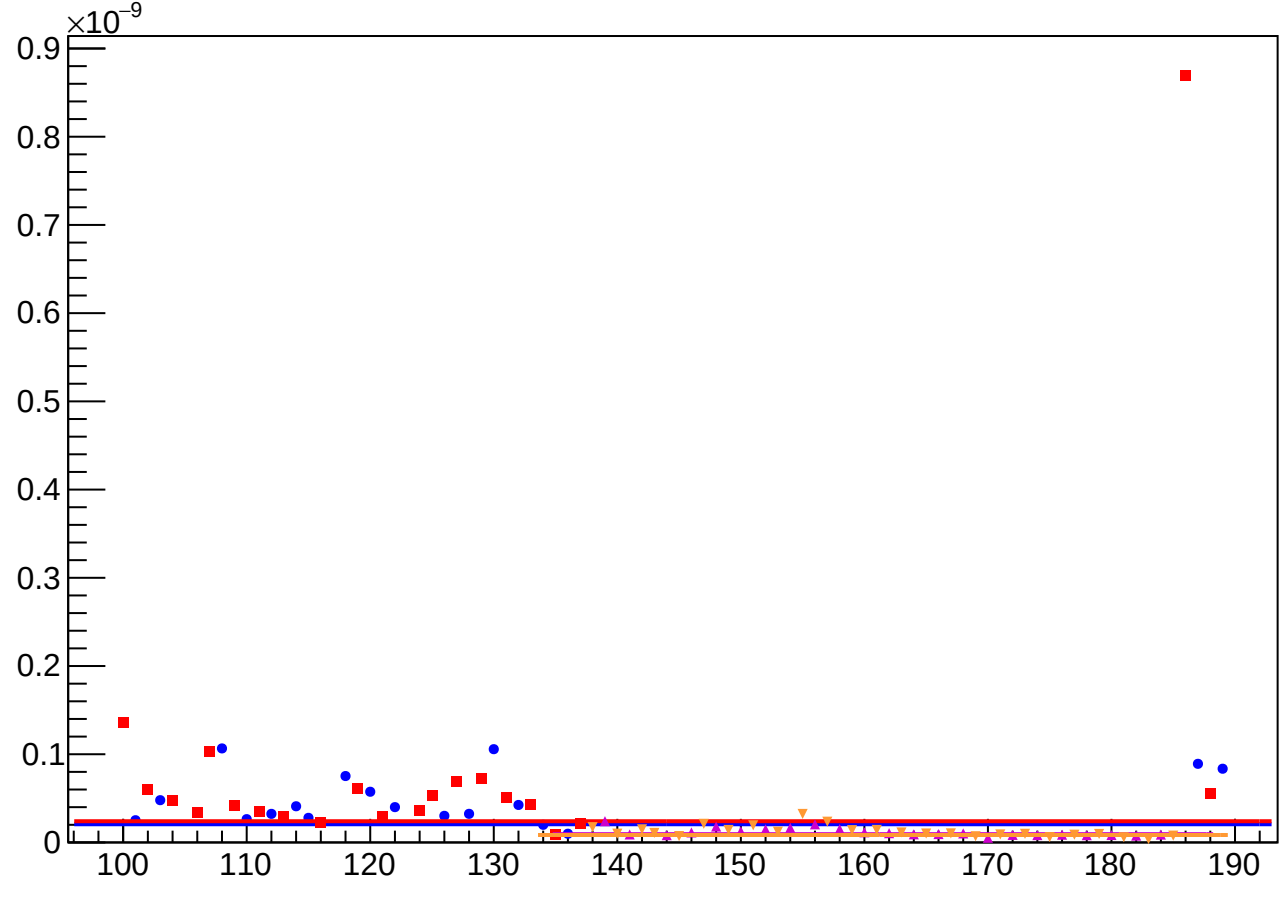
Right: 0.000+/-0.000 χ^2/NDF: 37.7/38

In: -0.000+/-0.000 χ^2/NDF:38.0/40

Out: 0.000+/-0.000 χ^2/NDF:32.4/45

All: 0.000+/-0.000 χ^2/NDF: 70.9/86

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3598294.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4377871.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

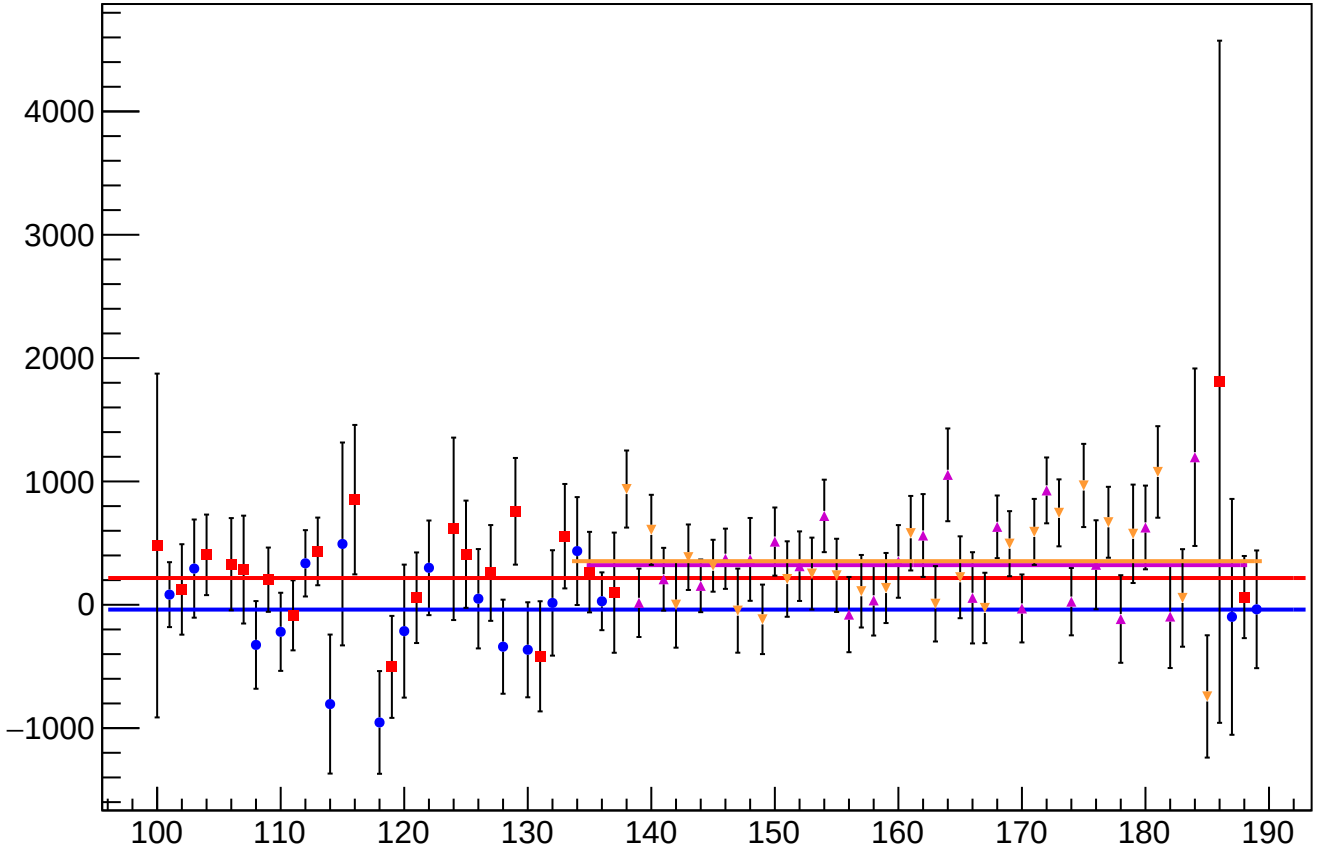
Right: 0.000+/-0.000 χ^2/NDF: 8048478.8/38

In: 0.000+/-0.000 χ^2/NDF:7377656.1/40

Out: 0.000+/-0.000 χ^2/NDF:11343362.2/45

All: 0.000+/-0.000 χ^2/NDF: 18832541.6/86

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.946+/-88.644 χ^2/NDF: 14.5/17

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 217.020+/-84.956 χ^2/NDF: 12.0/20

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

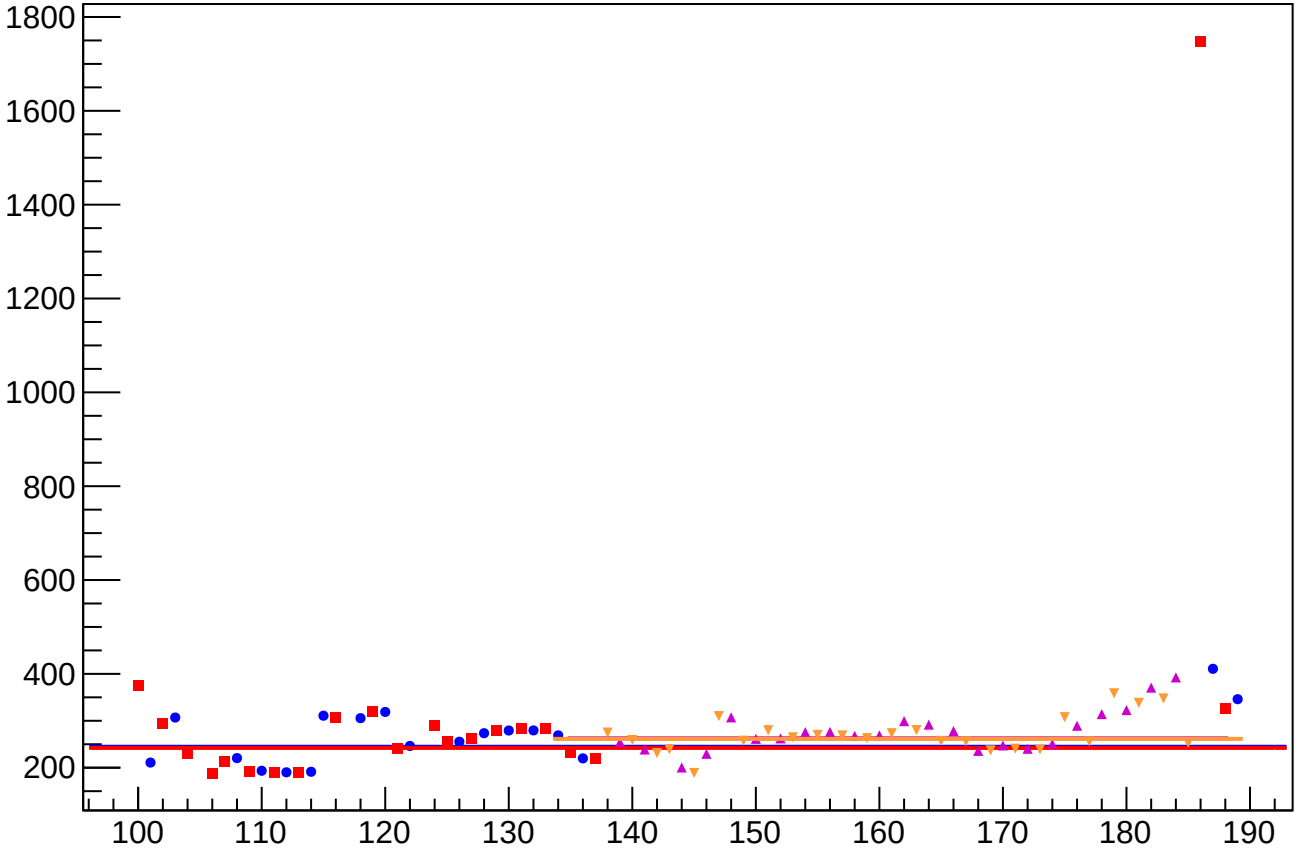
Right: 94.472+/-61.336 χ^2/NDF: 30.8/38

In: 202.811+/-50.868 χ^2/NDF:51.8/40

Out: 308.008+/-49.091 χ^2/NDF:46.0/45

All: 257.280+/-35.324 χ^2/NDF: 100.0/86

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 244.600+/-0.063 χ^2/NDF: 558238.5/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.193+/-0.060 χ^2/NDF: 1213973.5/20

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

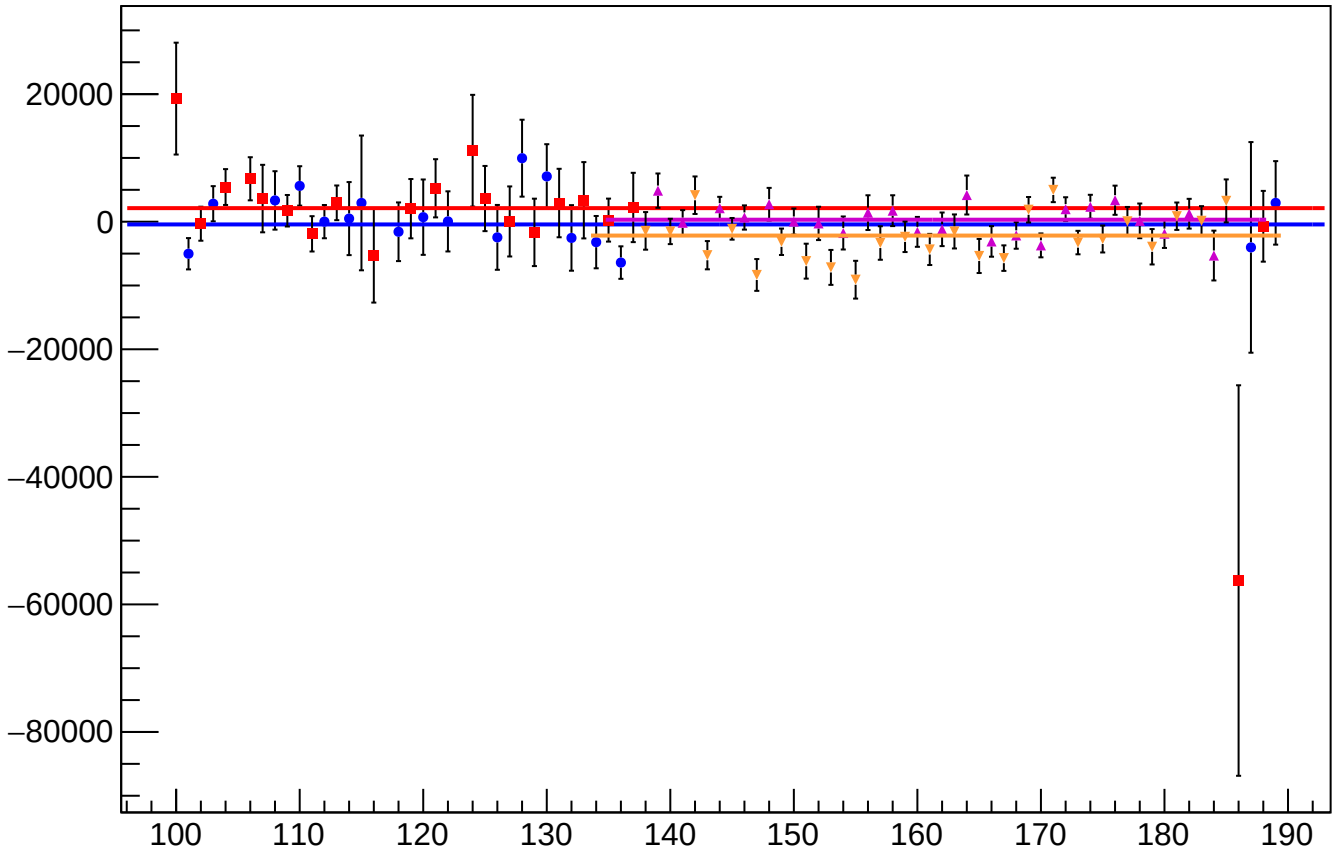
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 243.345+/-0.043 χ^2/NDF: 1772980.9/38

In: 256.683+/-0.036 χ^2/NDF:1284293.1/40

Out: 255.033+/-0.035 χ^2/NDF:1998031.5/45

All: 255.829+/-0.025 χ^2/NDF: 3283414.4/86



Right In: -427.013+/-936.182 χ^2/NDF: 21.5/17

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2128.218+/-882.415 χ^2/NDF: 17.8/20

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

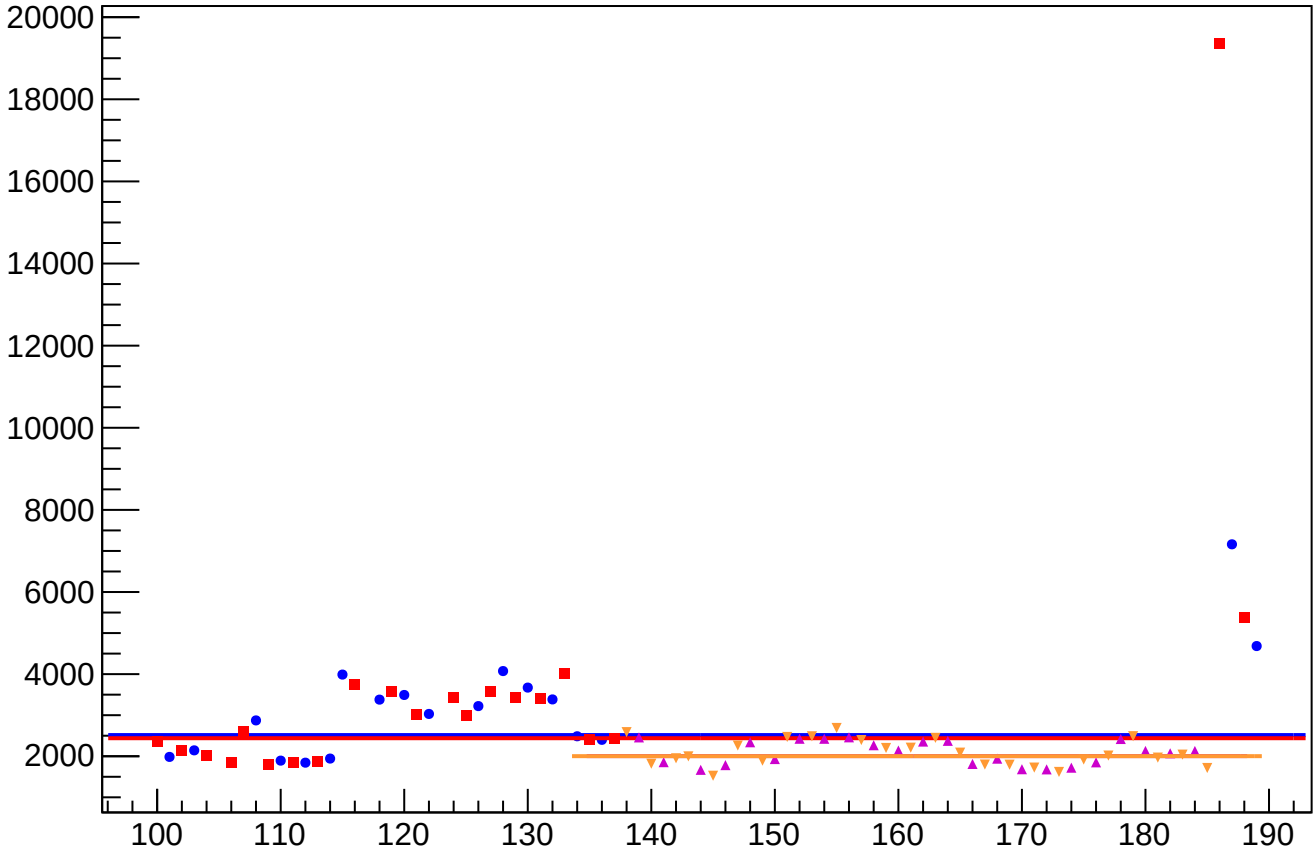
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 926.081+/-642.129 χ^2/NDF: 43.2/38

In: 162.549+/-422.946 χ^2/NDF:45.6/40

Out: -1247.815+/-409.051 χ^2/NDF:92.0/45

All: -566.181+/-294.033 χ^2/NDF: 143.3/86



Right In: 2515.808+/-0.662 χ^2/NDF: 1280269.7/17

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2439.267+/-0.624 χ^2/NDF: 2245913.2/20

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

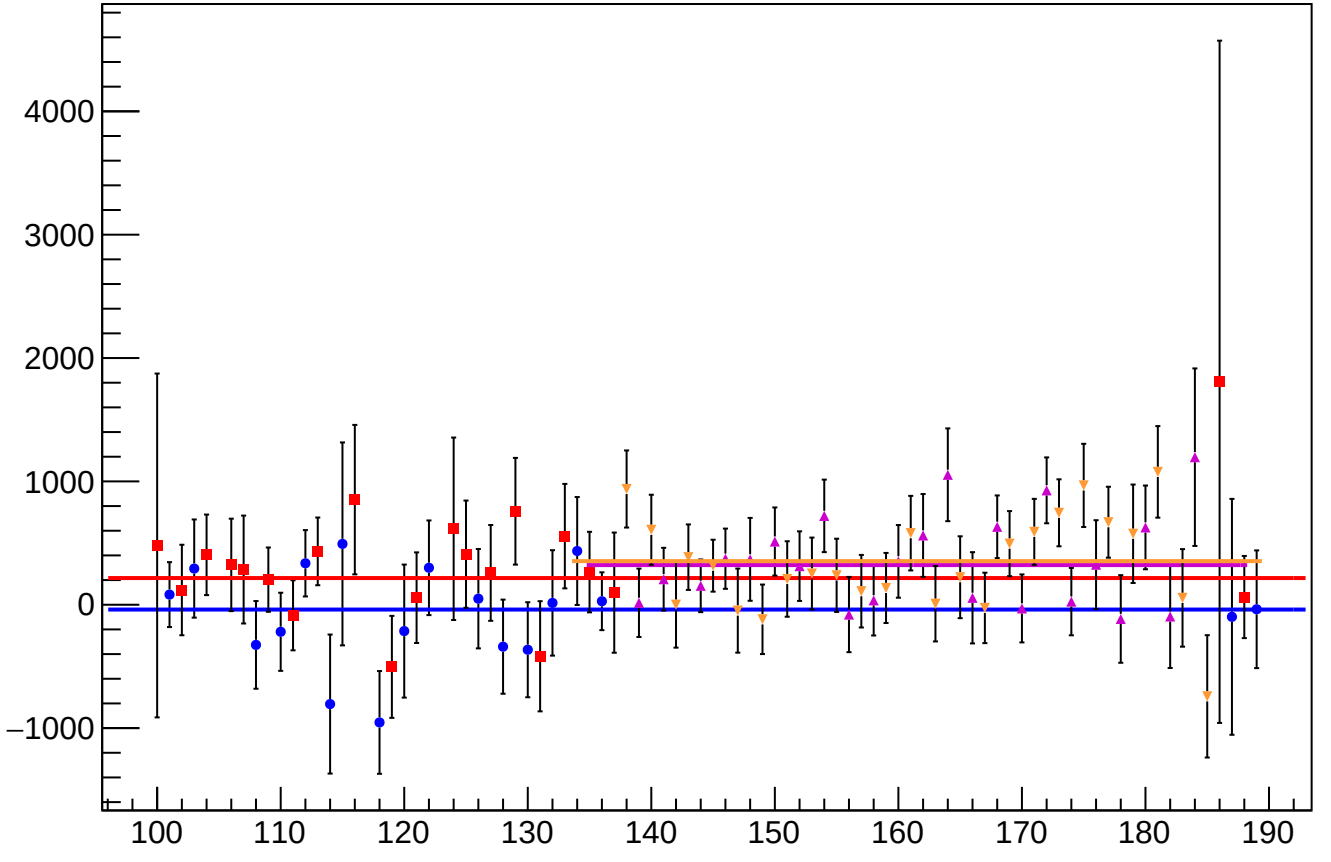
Right: 2475.276+/-0.454 χ^2/NDF: 3533262.2/38

In: 2108.656+/-0.299 χ^2/NDF:2460487.3/40

Out: 2096.143+/-0.289 χ^2/NDF:3523792.5/45

All: 2102.190+/-0.208 χ^2/NDF: 5985184.3/86

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.964+/-88.644 χ^2/NDF: 14.5/17

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 216.404+/-84.969 χ^2/NDF: 12.0/20

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

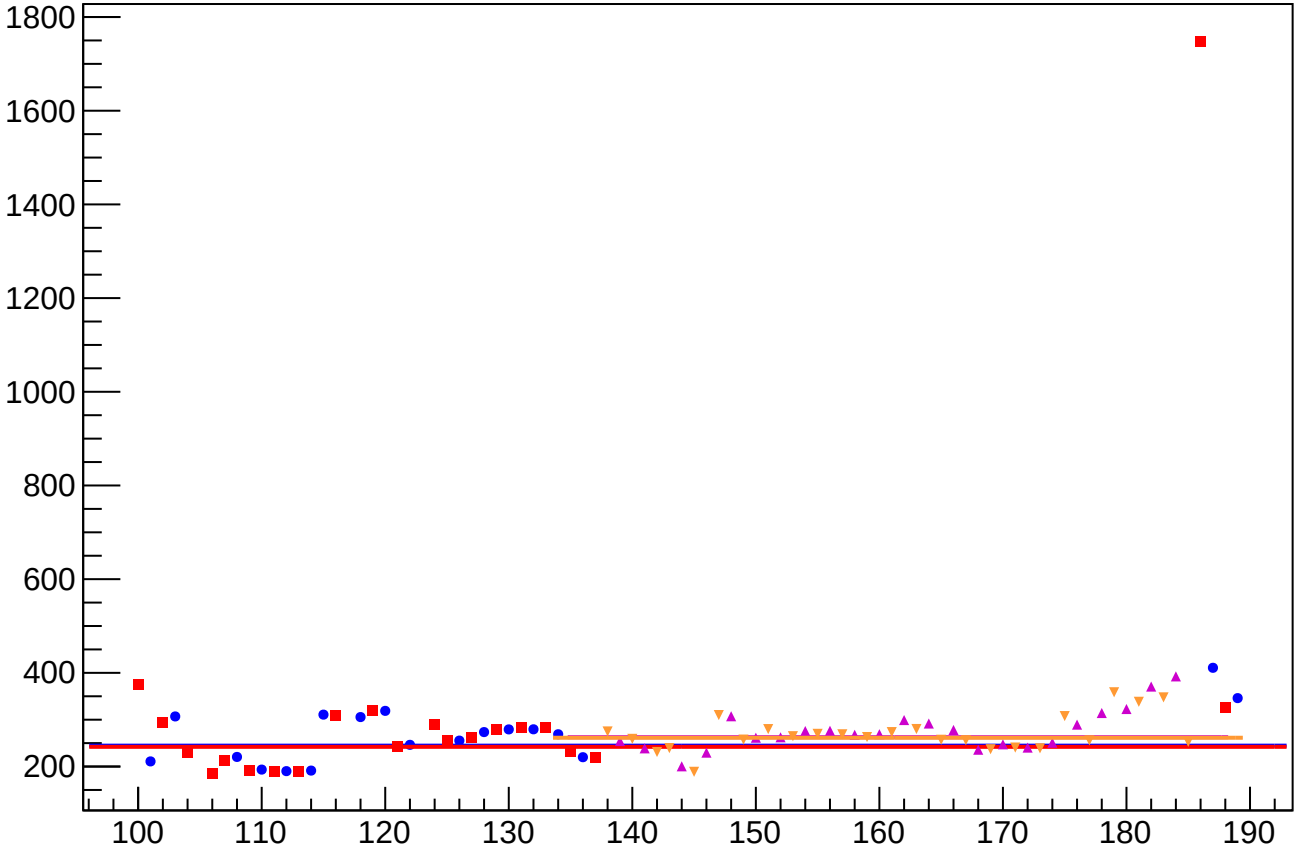
Right: 94.124+/-61.340 χ^2/NDF: 30.8/38

In: 202.809+/-50.868 χ^2/NDF:51.8/40

Out: 307.827+/-49.093 χ^2/NDF:46.0/45

All: 257.182+/-35.325 χ^2/NDF: 100.0/86

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 244.600+/-0.063 χ^2/NDF: 558240.7/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.081+/-0.060 χ^2/NDF: 1217954.8/20

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

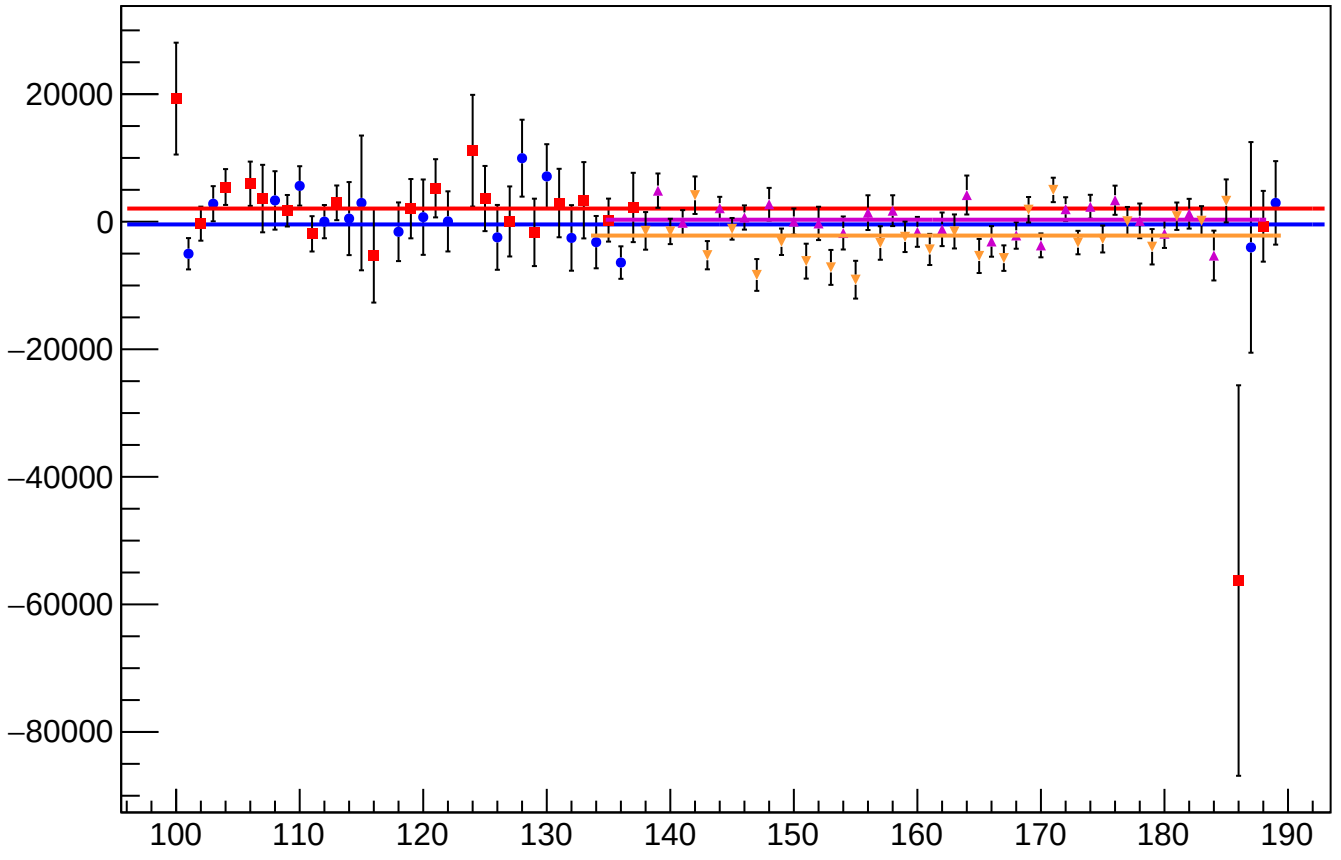
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 243.287+/-0.043 χ^2/NDF: 1777037.2/38

In: 256.683+/-0.036 χ^2/NDF:1284295.0/40

Out: 254.997+/-0.035 χ^2/NDF:2002795.4/45

All: 255.810+/-0.025 χ^2/NDF: 3288228.3/86



Right In: -427.176+/-936.190 χ^2/NDF: 21.5/17

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2062.453+/-884.041 χ^2/NDF: 17.1/20

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

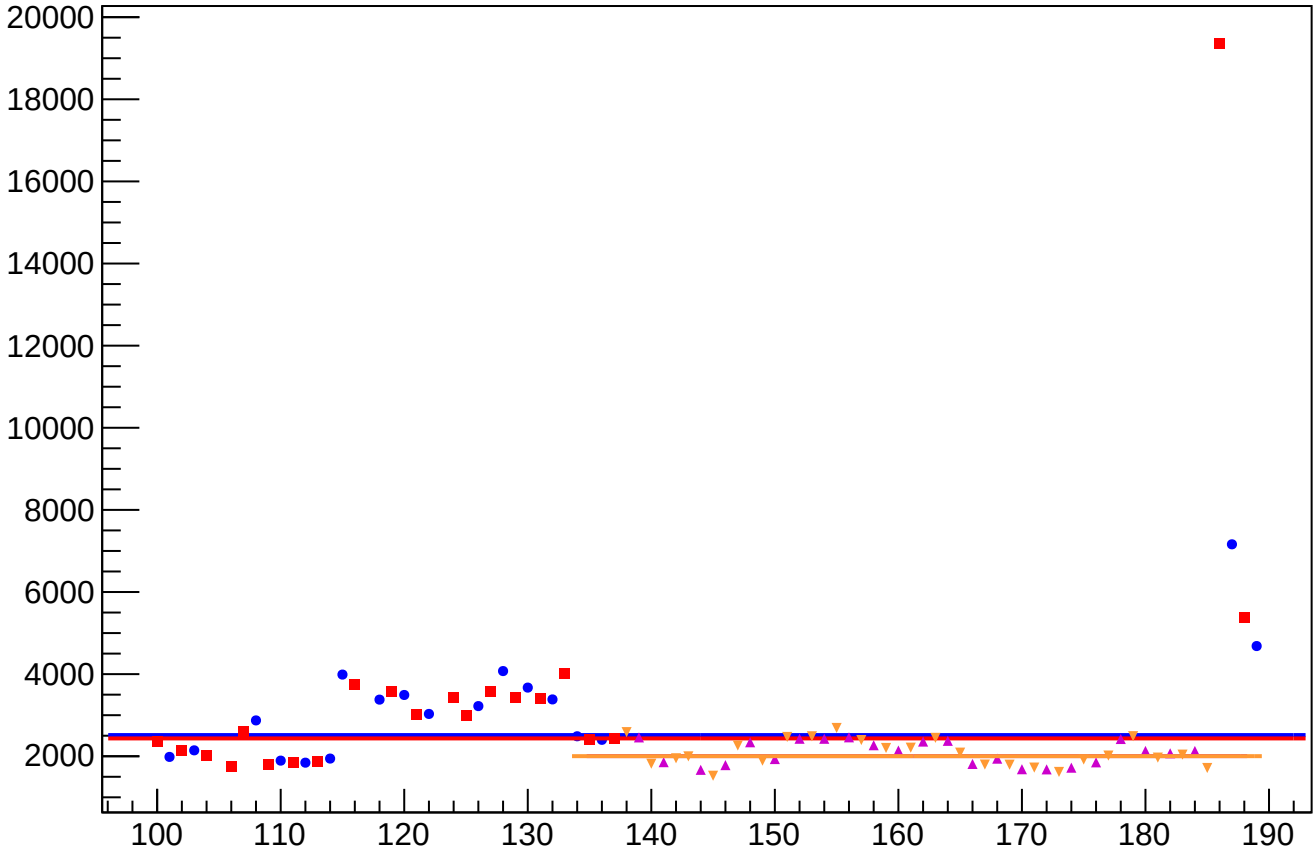
Right: 888.907+/-642.757 χ^2/NDF: 42.3/38

In: 162.522+/-422.947 χ^2/NDF:45.6/40

Out: -1264.550+/-409.213 χ^2/NDF:90.7/45

All: -574.561+/-294.093 χ^2/NDF: 142.2/86

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2515.833+/-0.662 χ^2/NDF: 1280231.7/17

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2434.255+/-0.625 χ^2/NDF: 2266297.7/20

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

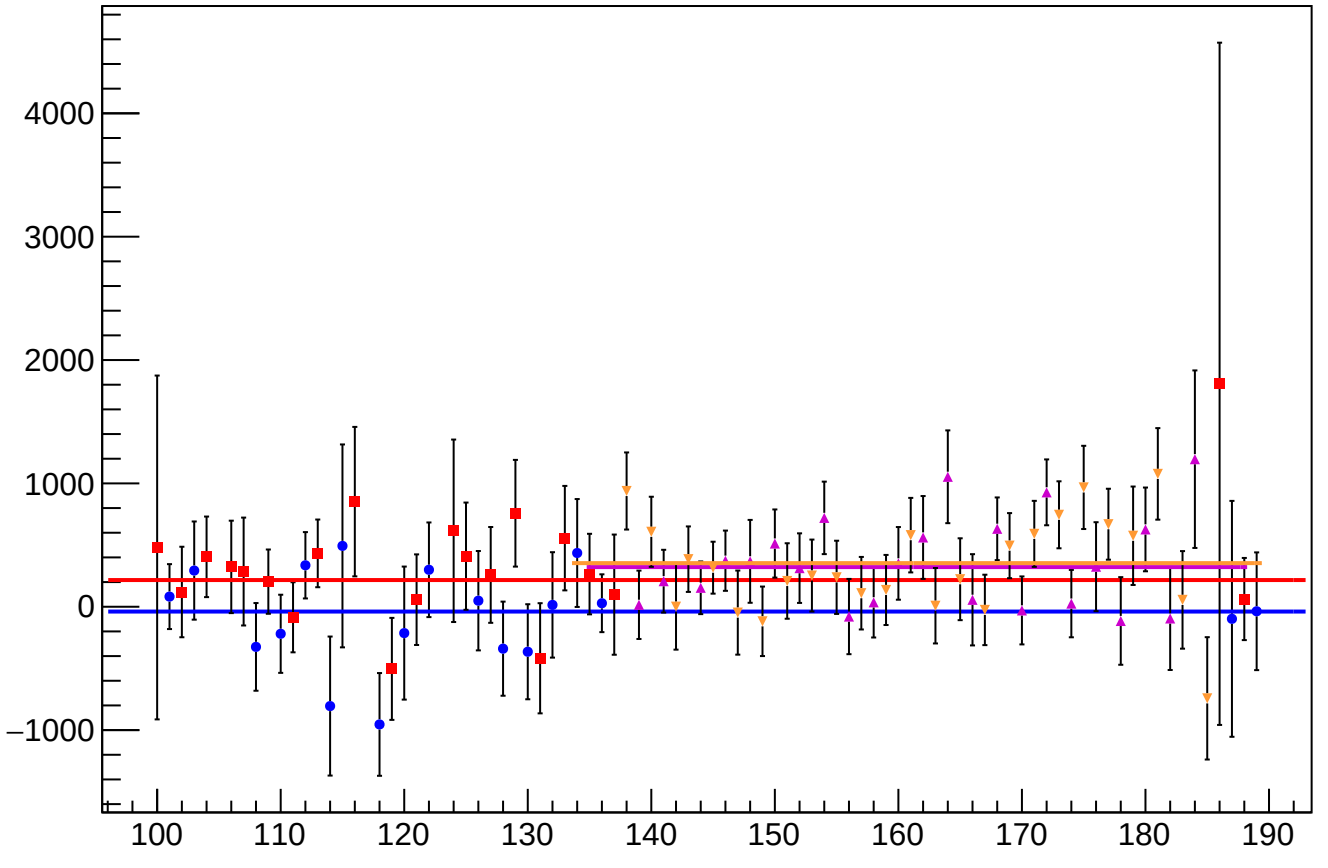
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2472.709+/-0.454 χ^2/NDF: 3554557.1/38

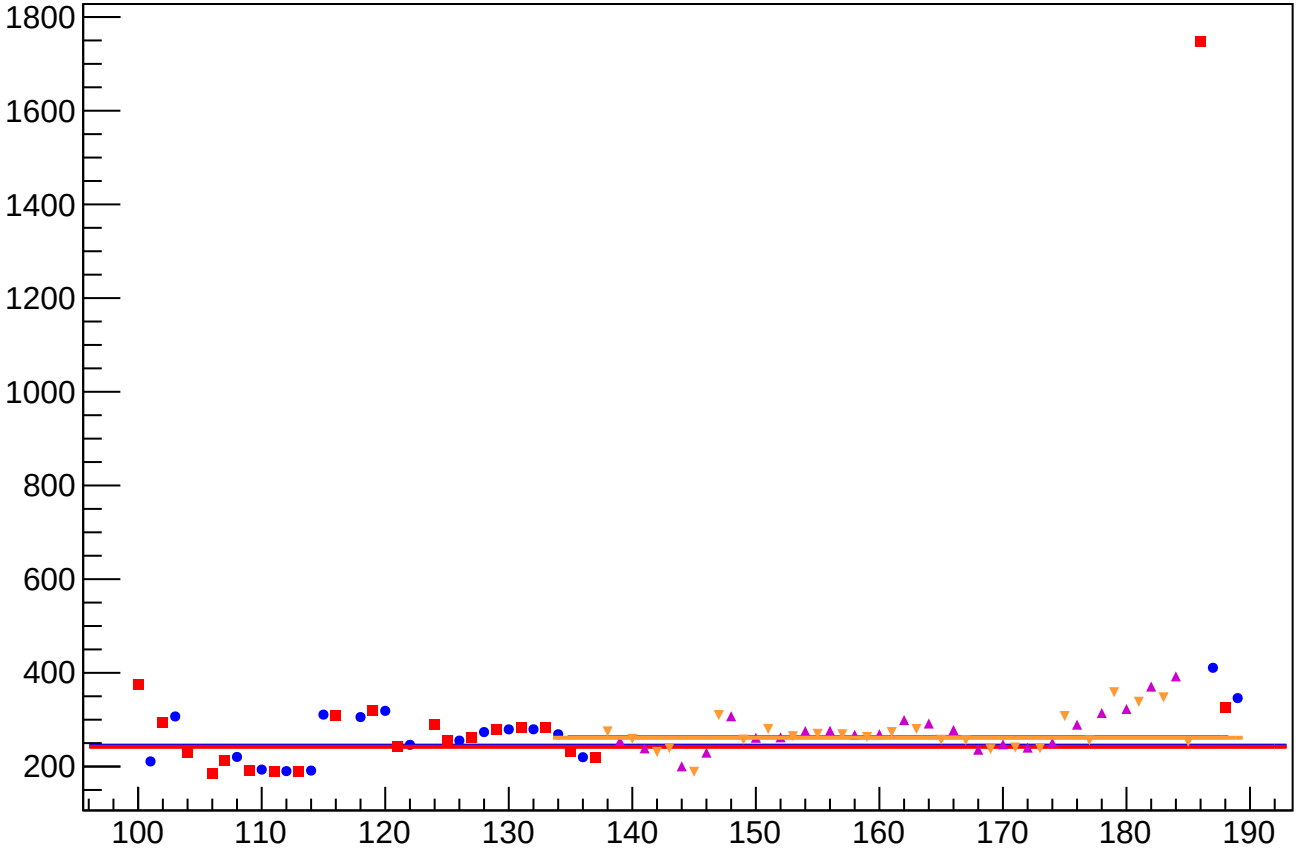
In: 2108.660+/-0.299 χ^2/NDF:2460489.0/40

Out: 2094.798+/-0.289 χ^2/NDF:3534306.3/45

All: 2101.500+/-0.208 χ^2/NDF: 5995904.9/86


eigen_cor_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
180
190
Right In: -38.964+/-88.644 χ²/NDF: 14.5/17
Left Out: 353.640+/-60.149 χ²/NDF:32.3/24
Right Out: 216.404+/-84.969 χ²/NDF: 12.0/20
Left In: 321.514+/-62.113 χ²/NDF:26.2/22
Left: 338.093+/-43.209 χ²/NDF: 58.7/47
Right: 94.124+/-61.340 χ²/NDF: 30.8/38
In: 202.809+/-50.868 χ²/NDF:51.8/40
Out: 307.827+/-49.093 χ²/NDF:46.0/45
All: 257.182+/-35.325 χ²/NDF: 100.0/86

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 244.600+/-0.063 χ^2/NDF: 558240.7/17

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.081+/-0.060 χ^2/NDF: 1217954.8/20

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

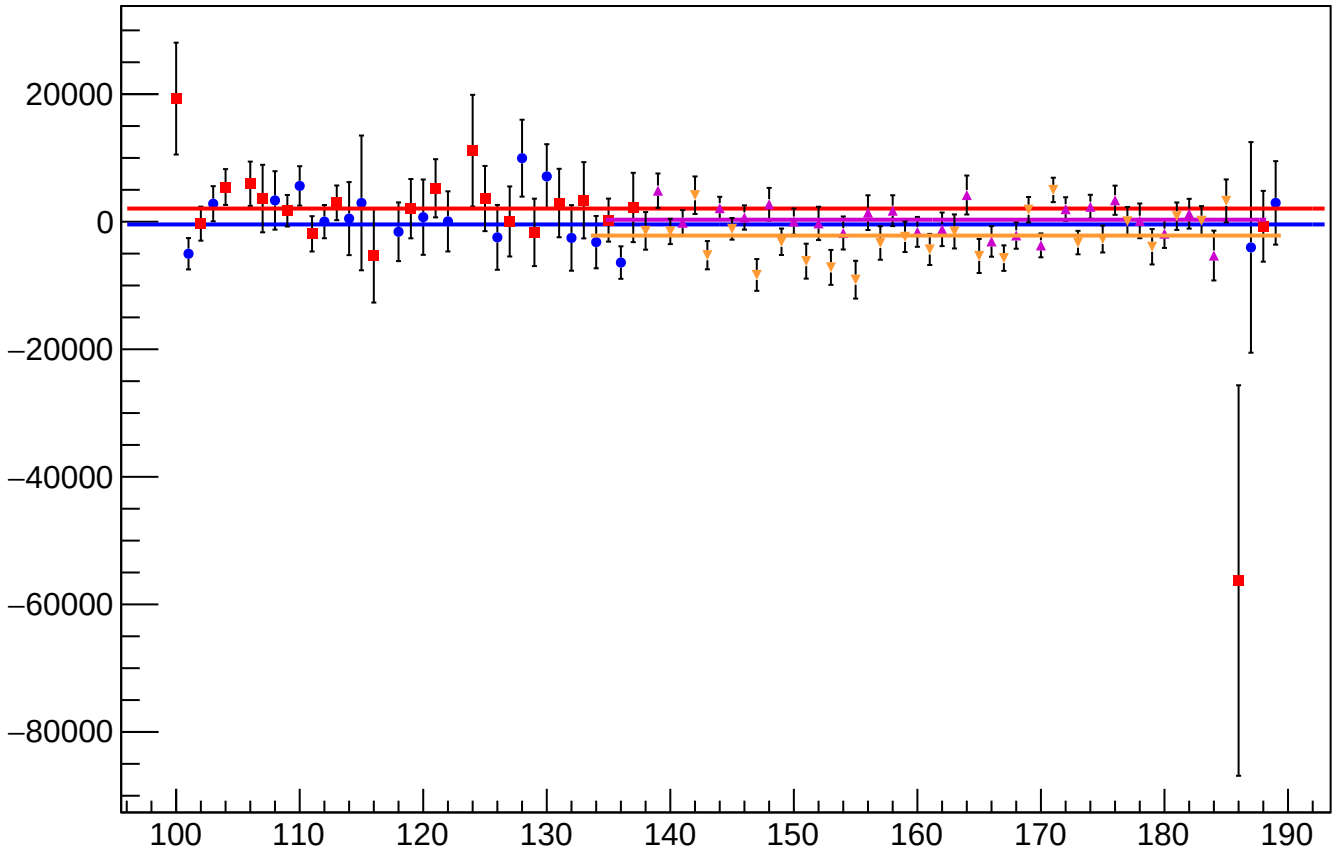
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 243.287+/-0.043 χ^2/NDF: 1777037.2/38

In: 256.683+/-0.036 χ^2/NDF:1284295.0/40

Out: 254.997+/-0.035 χ^2/NDF:2002795.4/45

All: 255.810+/-0.025 χ^2/NDF: 3288228.3/86



Right In: -427.176+/-936.190 χ^2/NDF: 21.5/17

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2062.453+/-884.041 χ^2/NDF: 17.1/20

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

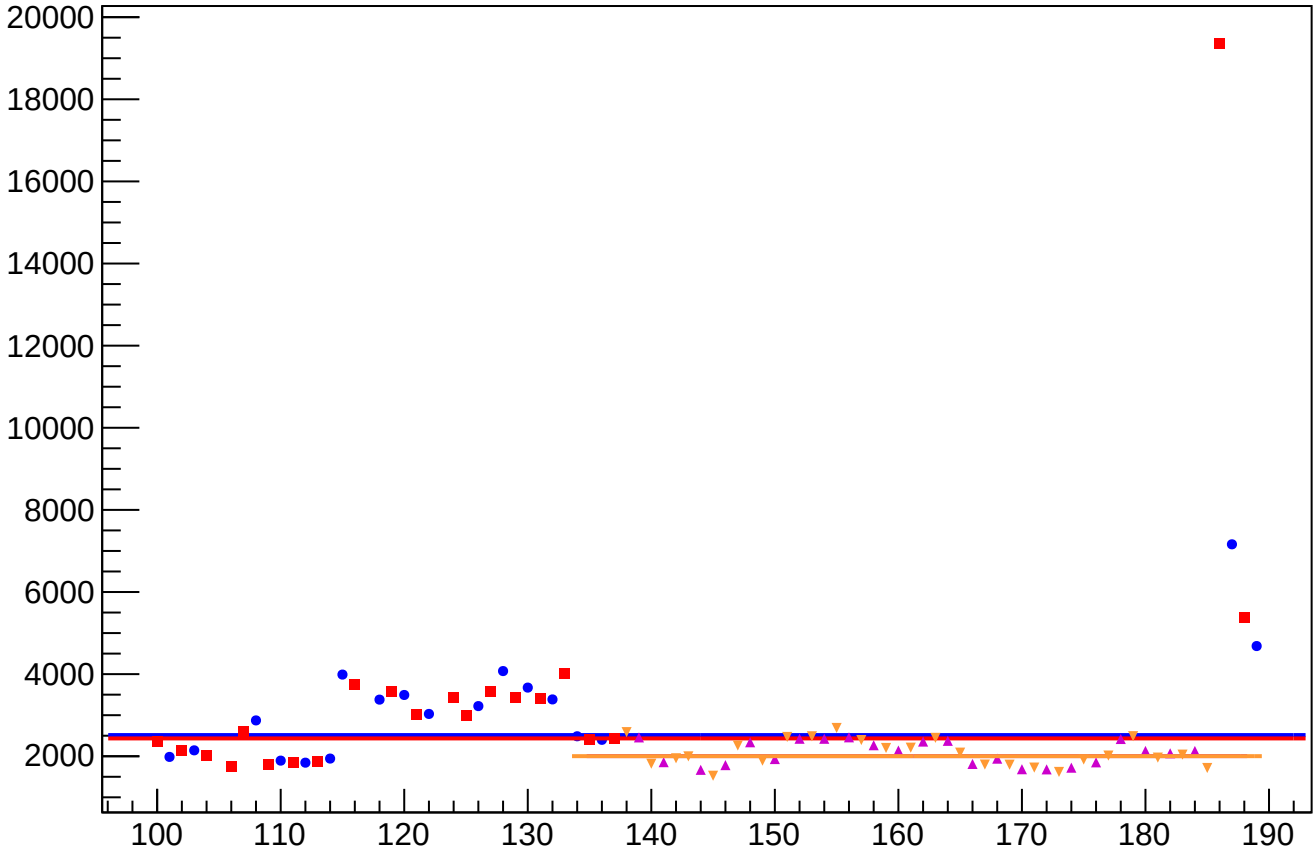
Right: 888.907+/-642.757 χ^2/NDF: 42.3/38

In: 162.522+/-422.947 χ^2/NDF:45.6/40

Out: -1264.550+/-409.213 χ^2/NDF:90.7/45

All: -574.561+/-294.093 χ^2/NDF: 142.2/86

asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2515.833+/-0.662 χ^2/NDF: 1280231.7/17

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2434.255+/-0.625 χ^2/NDF: 2266297.7/20

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

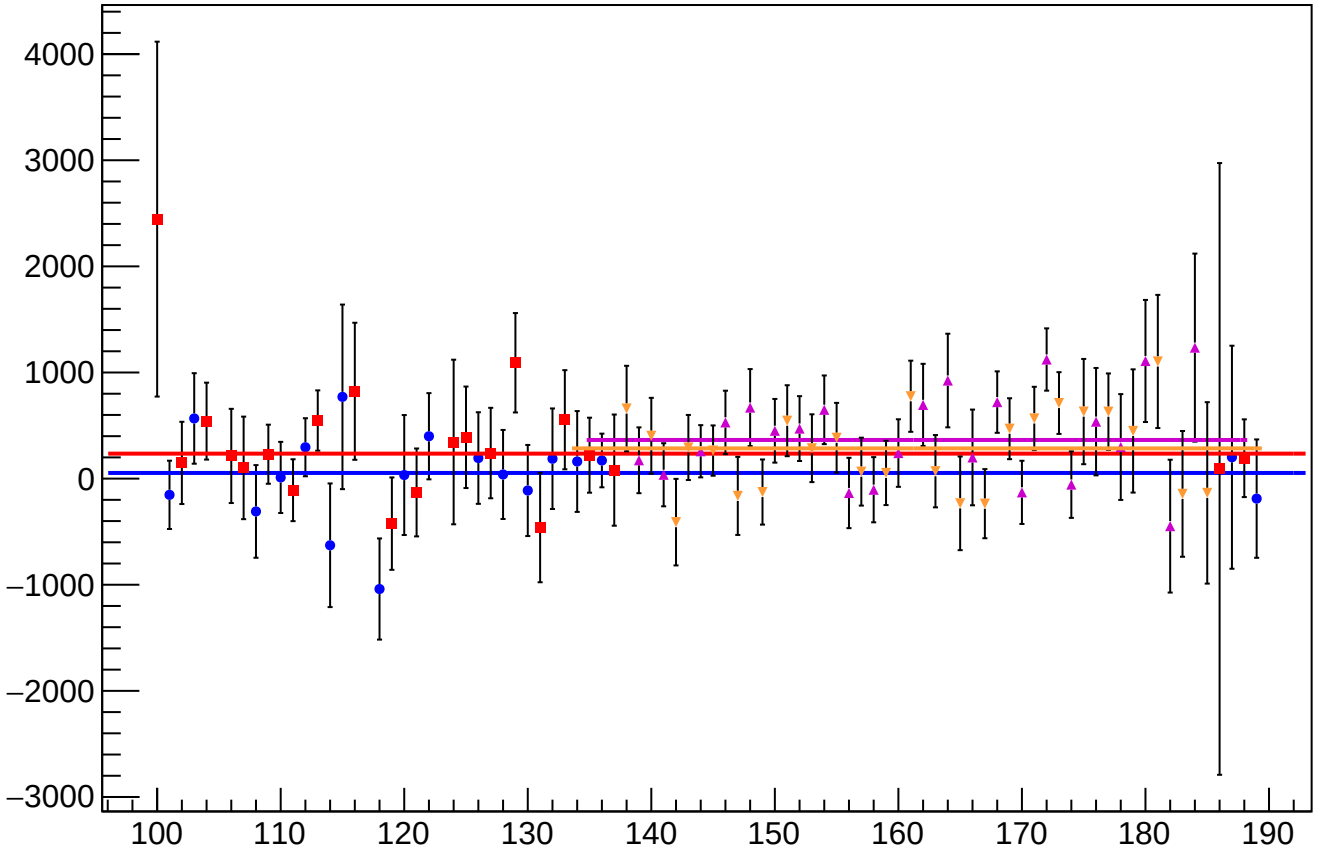
Right: 2472.709+/-0.454 χ^2/NDF: 3554557.1/38

In: 2108.660+/-0.299 χ^2/NDF:2460489.0/40

Out: 2094.798+/-0.289 χ^2/NDF:3534306.3/45

All: 2101.500+/-0.208 χ^2/NDF: 5995904.9/86

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 53.399+/-97.276 χ^2/NDF: 12.2/17

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 235.449+/-91.968 χ^2/NDF: 15.0/20

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

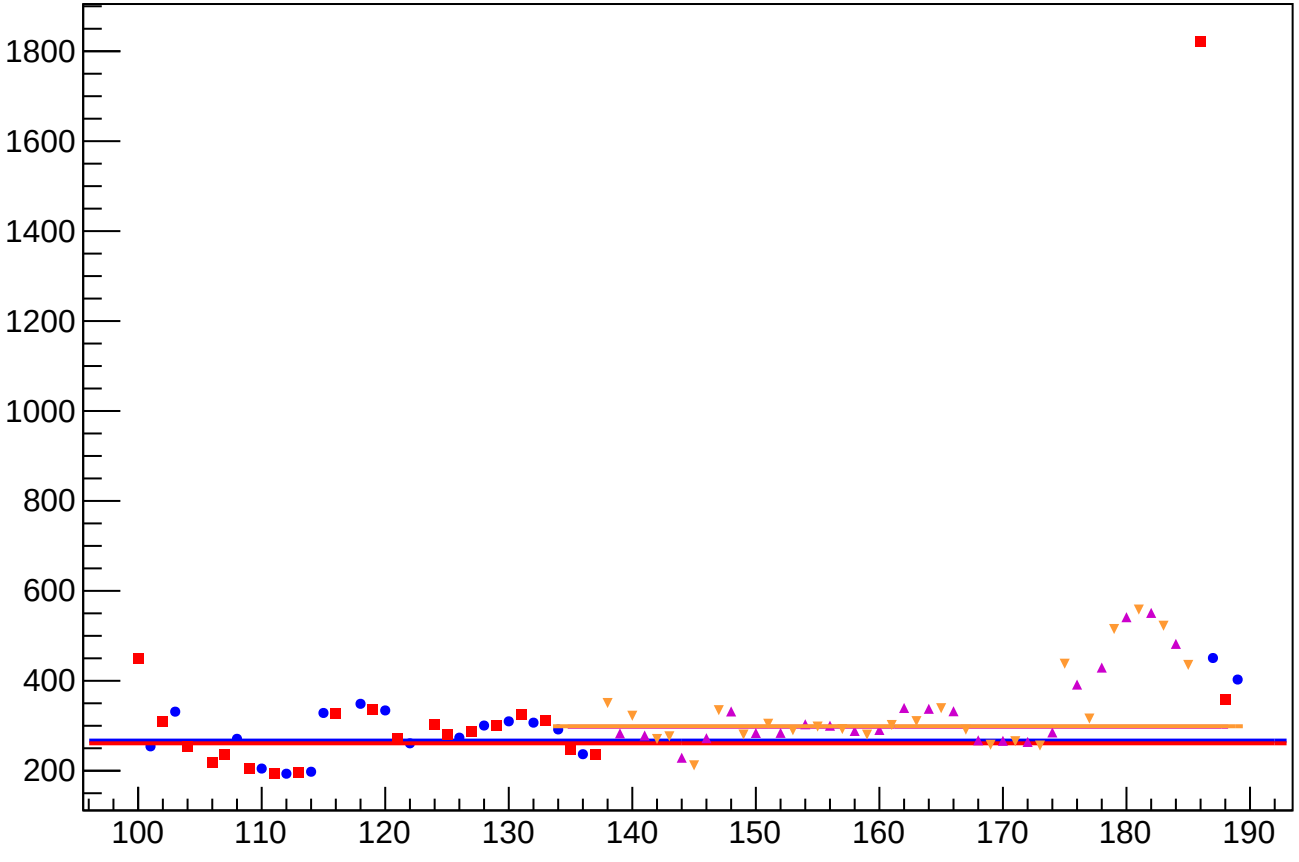
Right: 149.527+/-66.829 χ^2/NDF: 29.0/38

In: 254.737+/-57.723 χ^2/NDF:47.0/40

Out: 266.757+/-55.719 χ^2/NDF:38.0/45

All: 260.959+/-40.089 χ^2/NDF: 85.0/86

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 267.025+/-0.069 χ^2/NDF: 649458.0/17

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 261.016+/-0.065 χ^2/NDF: 1278728.2/20

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

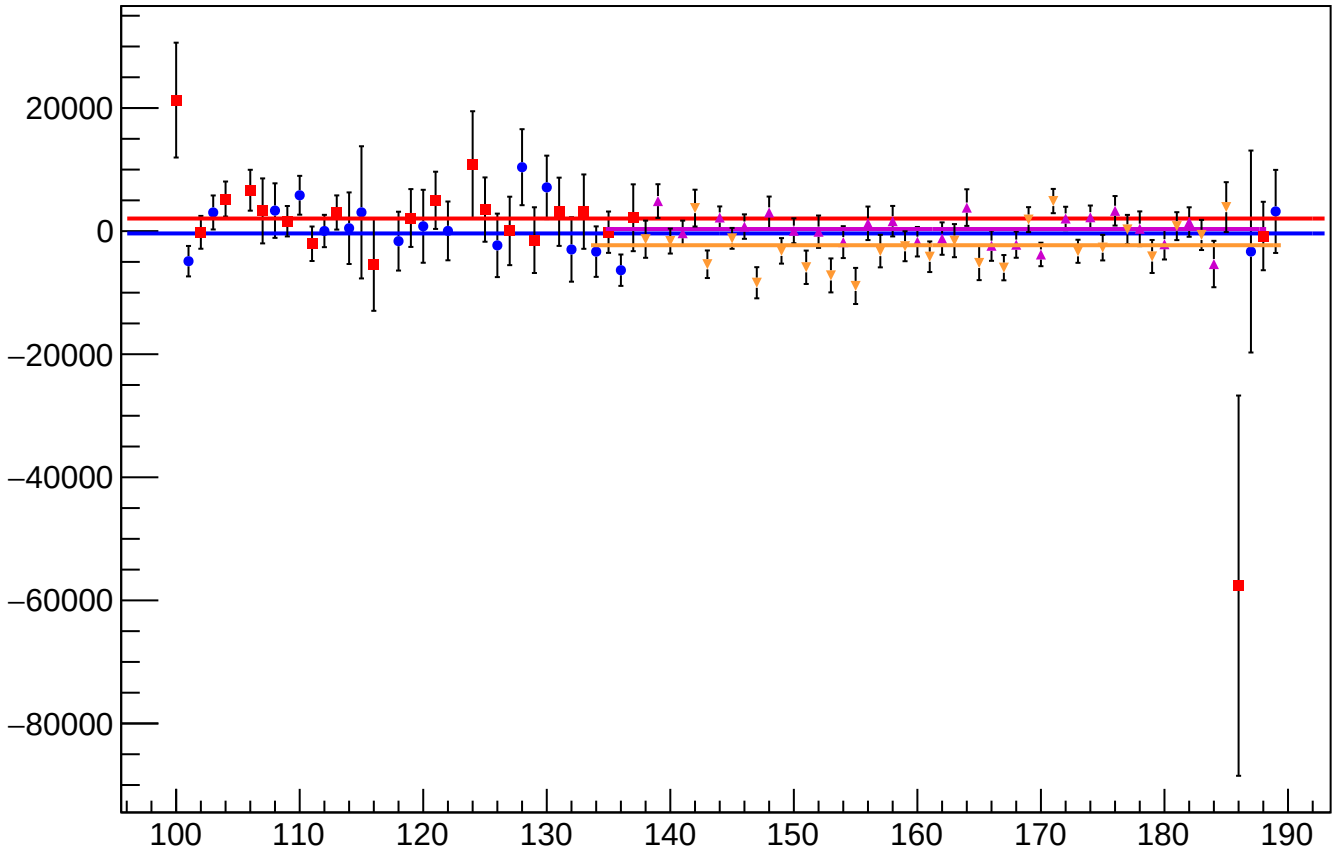
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 263.852+/-0.047 χ^2/NDF: 1932215.8/38

In: 287.019+/-0.041 χ^2/NDF:2098933.1/40

Out: 285.018+/-0.039 χ^2/NDF:3107037.6/45

All: 285.983+/-0.028 χ^2/NDF: 5207214.2/86



Right In: -375.044+/-944.143 χ^2/NDF: 21.5/17

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2046.732+/-889.129 χ^2/NDF: 18.0/20

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

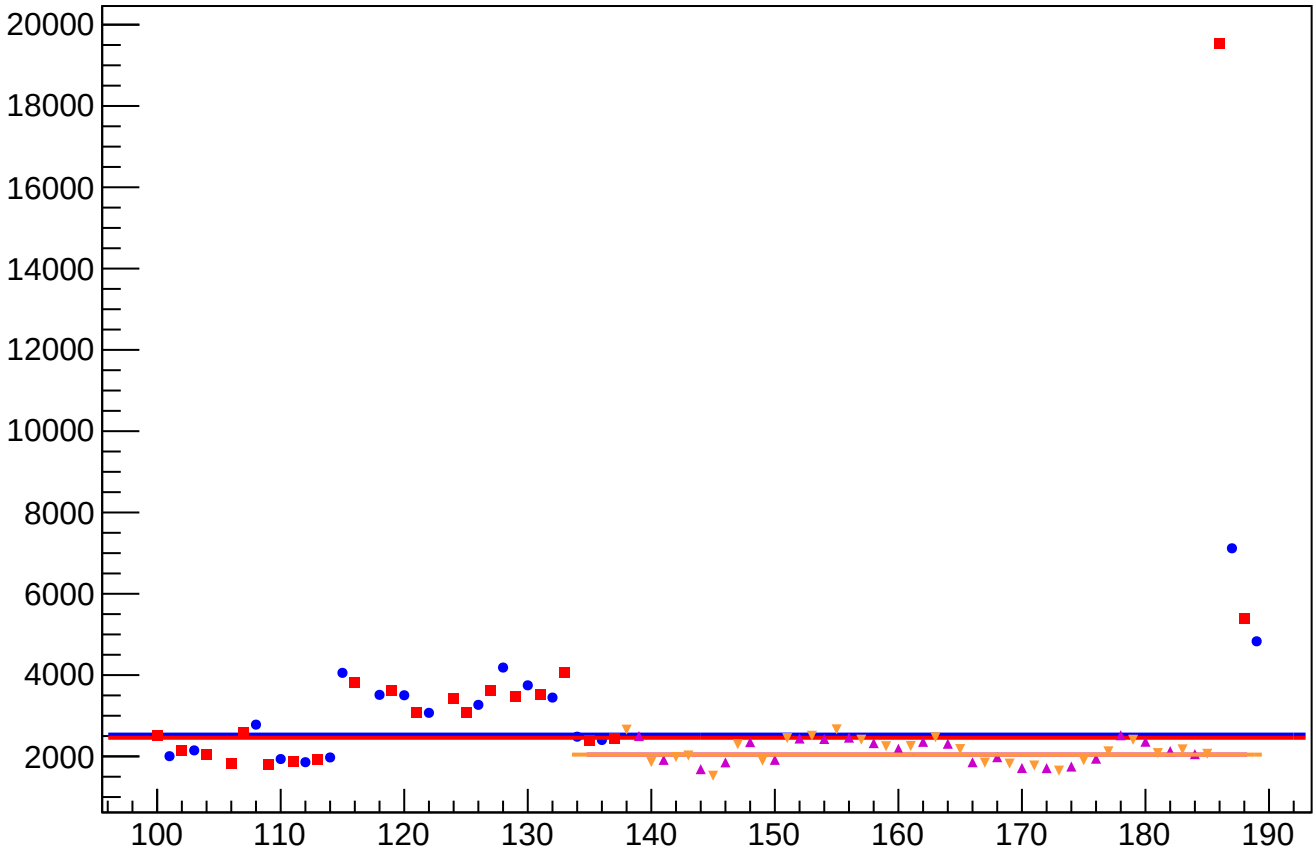
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

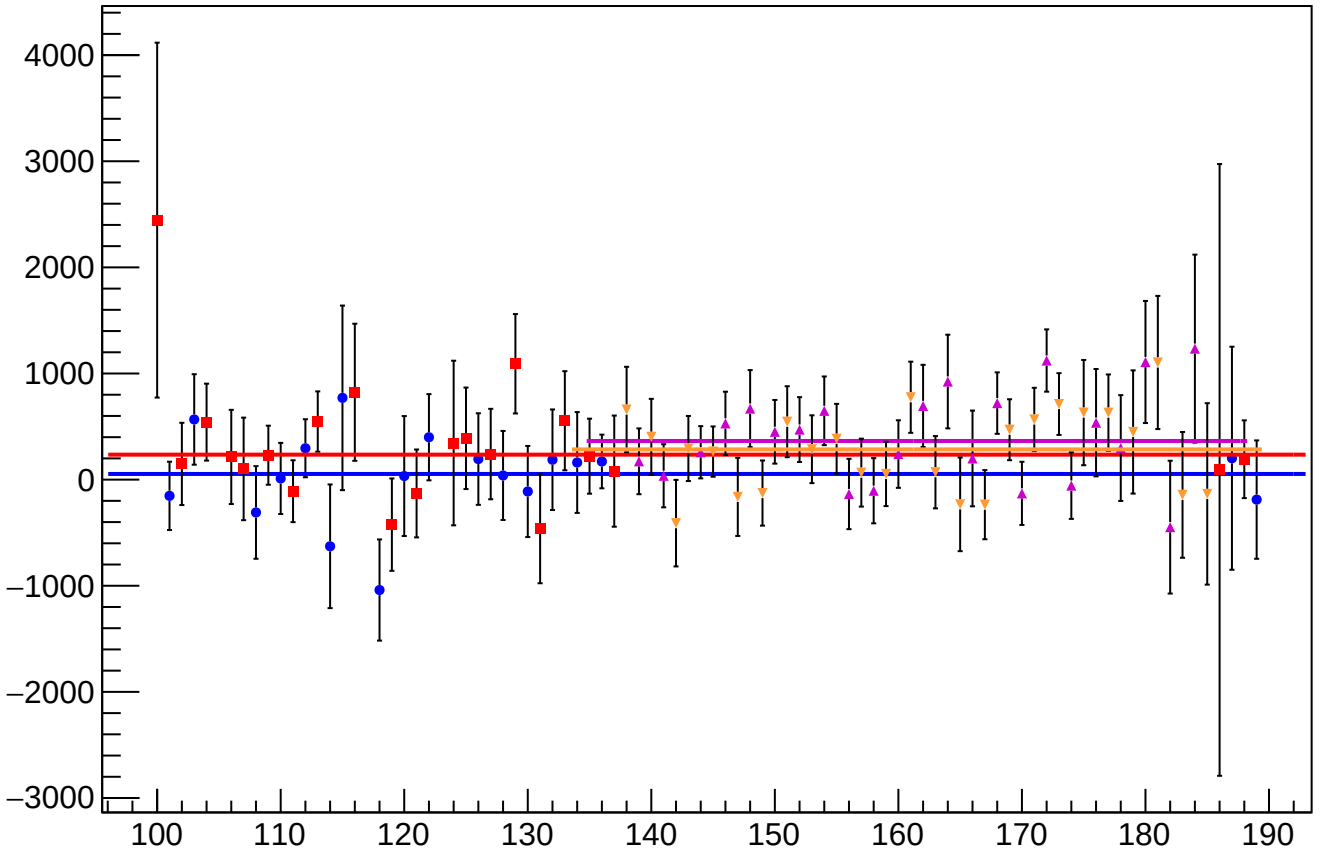
Right: 908.452+/-647.285 χ^2/NDF: 43.0/38

In: 193.455+/-430.426 χ^2/NDF:44.8/40

Out: -1342.006+/-415.876 χ^2/NDF:88.3/45

All: -600.666+/-299.080 χ^2/NDF: 139.7/86


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2536.116+/-0.668 χ²/NDF: 1311840.1/17
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2457.911+/-0.629 χ²/NDF: 2267431.1/20
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2494.669+/-0.458 χ²/NDF: 3586543.7/38
In: 2147.213+/-0.304 χ²/NDF:2430433.2/40
Out: 2134.355+/-0.294 χ²/NDF:3459841.4/45
All: 2140.563+/-0.211 χ²/NDF: 5891197.7/86



Right In: 53.404+/-97.276 χ^2/NDF: 12.2/17

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 235.450+/-91.968 χ^2/NDF: 15.0/20

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

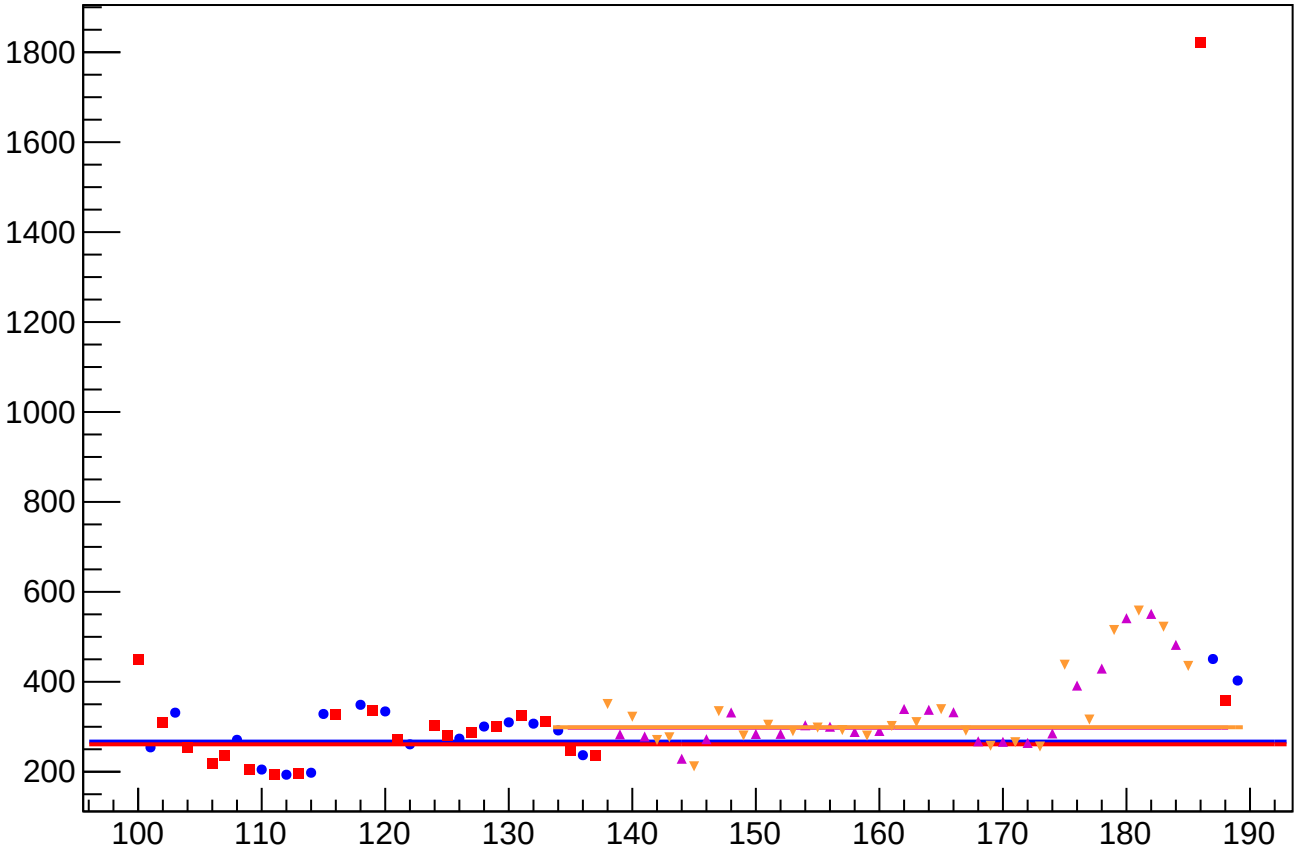
Right: 149.530+/-66.829 χ^2/NDF: 29.0/38

In: 254.740+/-57.723 χ^2/NDF:47.0/40

Out: 266.760+/-55.719 χ^2/NDF:38.0/45

All: 260.962+/-40.089 χ^2/NDF: 85.0/86

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 267.025+/-0.069 χ^2/NDF: 649457.3/17

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 261.016+/-0.065 χ^2/NDF: 1278732.1/20

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

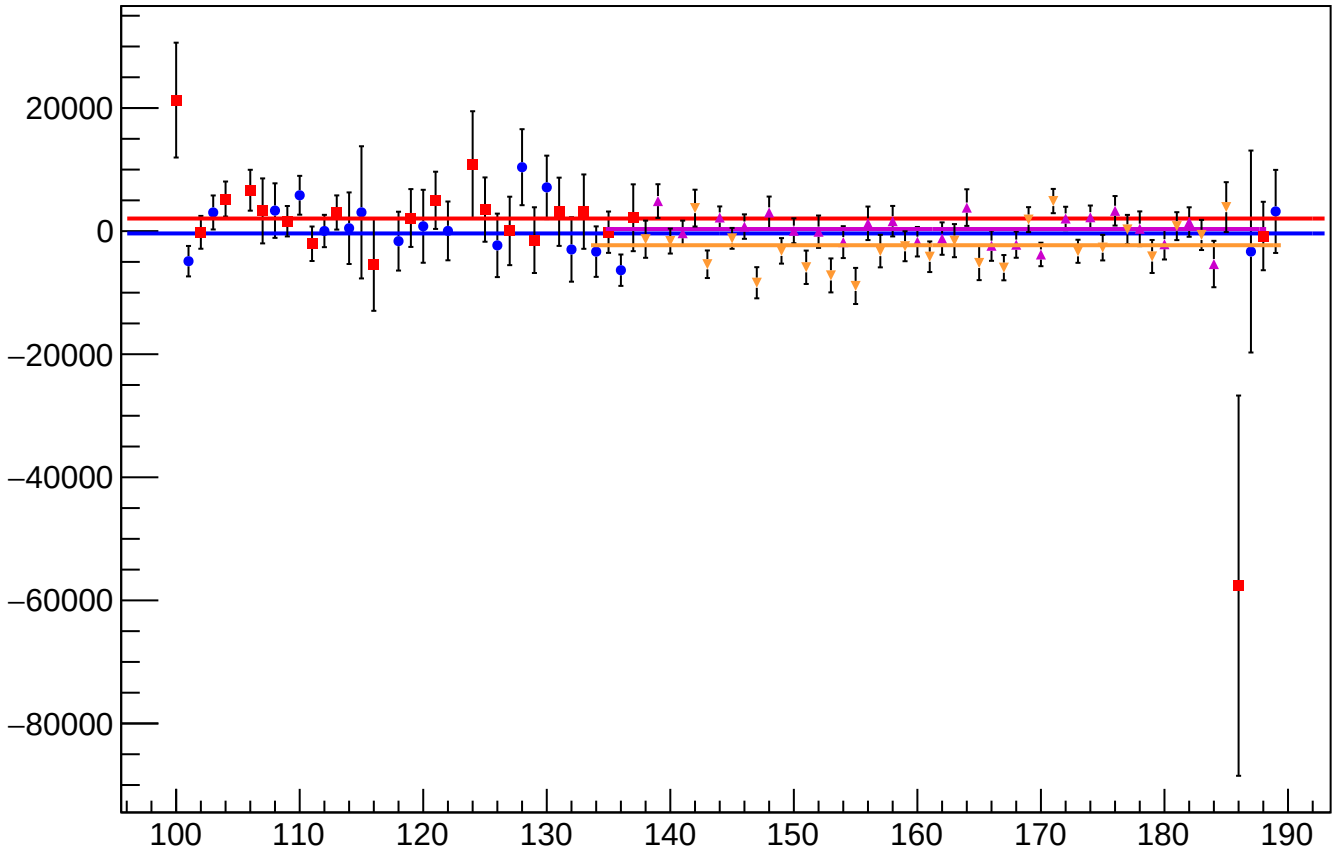
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 263.852+/-0.047 χ^2/NDF: 1932219.0/38

In: 287.019+/-0.041 χ^2/NDF:2098916.0/40

Out: 285.018+/-0.039 χ^2/NDF:3107041.9/45

All: 285.983+/-0.028 χ^2/NDF: 5207201.4/86



Right In: -375.043+/-944.143 χ^2/NDF: 21.5/17

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2046.730+/-889.129 χ^2/NDF: 18.0/20

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

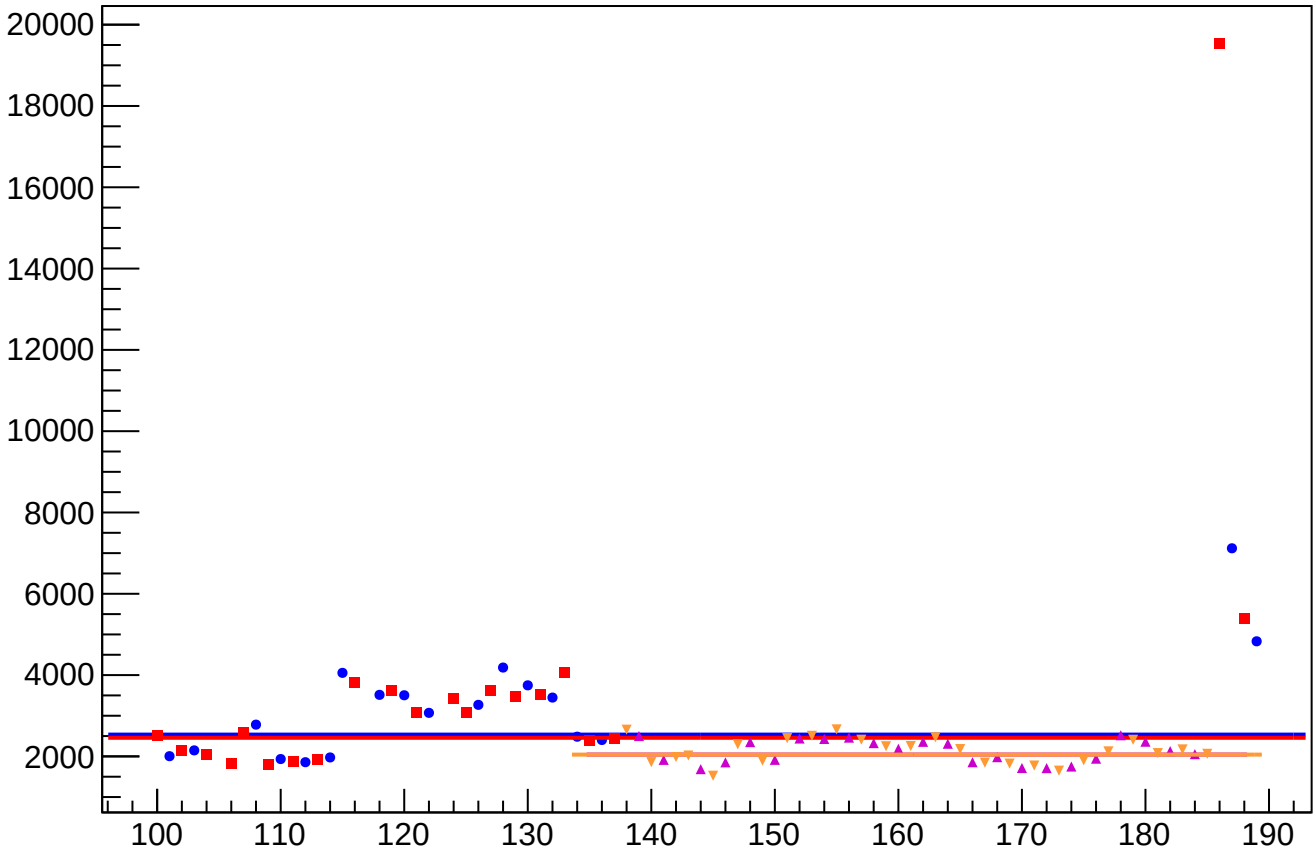
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 908.452+/-647.284 χ^2/NDF: 43.0/38

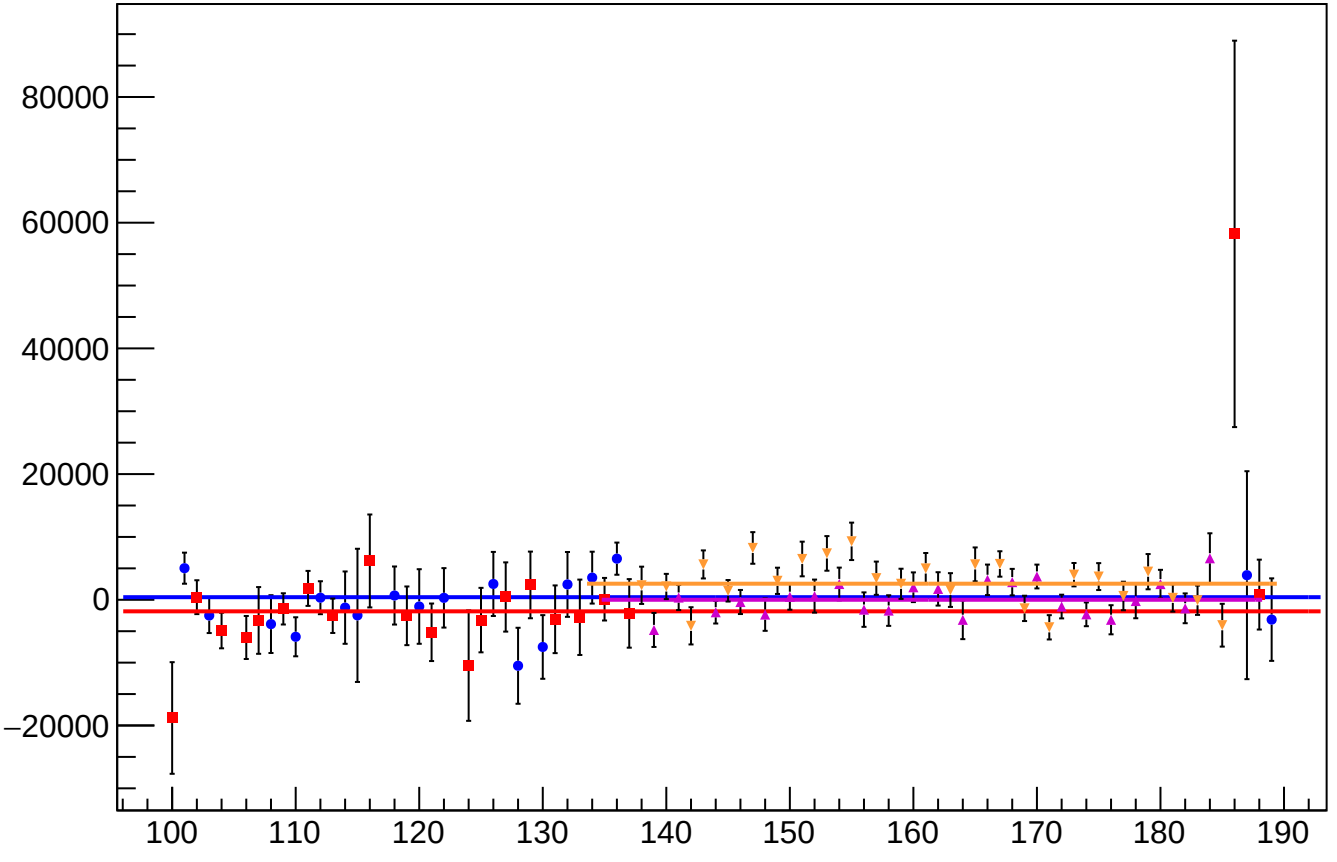
In: 193.453+/-430.425 χ^2/NDF:44.8/40

Out: -1342.003+/-415.875 χ^2/NDF:88.3/45

All: -600.665+/-299.080 χ^2/NDF: 139.7/86


asym_sam4_eigen_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2536.114+/-0.668 χ²/NDF: 1311842.4/17
Left Out: 2043.742+/-0.333 χ²/NDF:853393.7/24
Right Out: 2457.909+/-0.629 χ²/NDF: 2267431.2/20
Left In: 2045.175+/-0.342 χ²/NDF:690218.2/22
Left: 2044.439+/-0.238 χ²/NDF: 1543620.9/47
Right: 2494.667+/-0.458 χ²/NDF: 3586546.1/38
In: 2147.210+/-0.304 χ²/NDF:2430436.8/40
Out: 2134.352+/-0.294 χ²/NDF:3459846.7/45
All: 2140.560+/-0.211 χ²/NDF: 5891206.6/86

asym_sam4_mean vs Slug, Sign Corrected



Right In: 413.758+/-941.349 χ^2/NDF: 22.5/17

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -1838.325+/-887.778 χ^2/NDF: 16.9/20

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

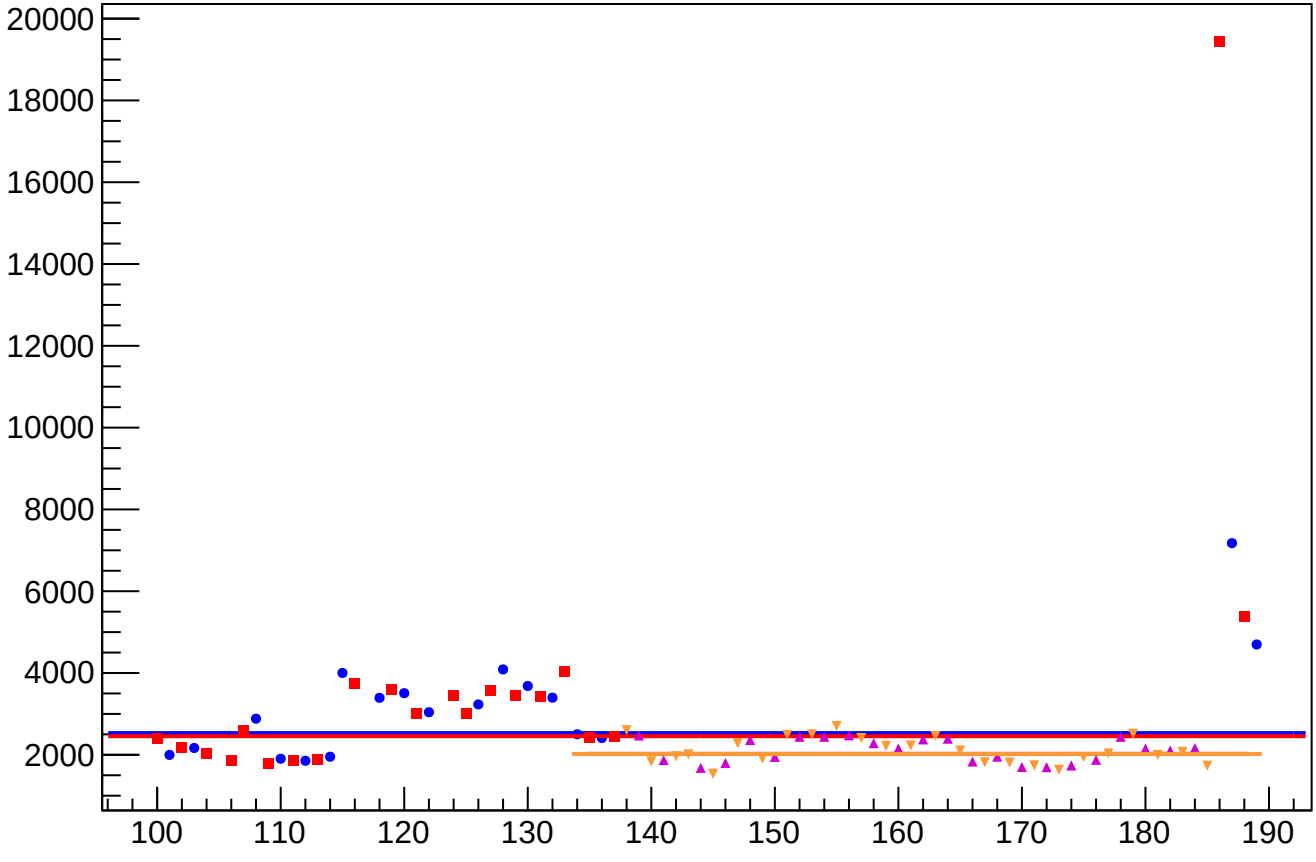
Right: -778.185+/-645.862 χ^2/NDF: 42.4/38

In: 87.721+/-426.565 χ^2/NDF:47.3/40

Out: 1609.351+/-412.573 χ^2/NDF:88.8/45

All: 873.902+/-296.556 χ^2/NDF: 142.7/86

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2530.678+/-0.666 χ^2/NDF: 1269921.7/17

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2454.522+/-0.628 χ^2/NDF: 2232821.7/20

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

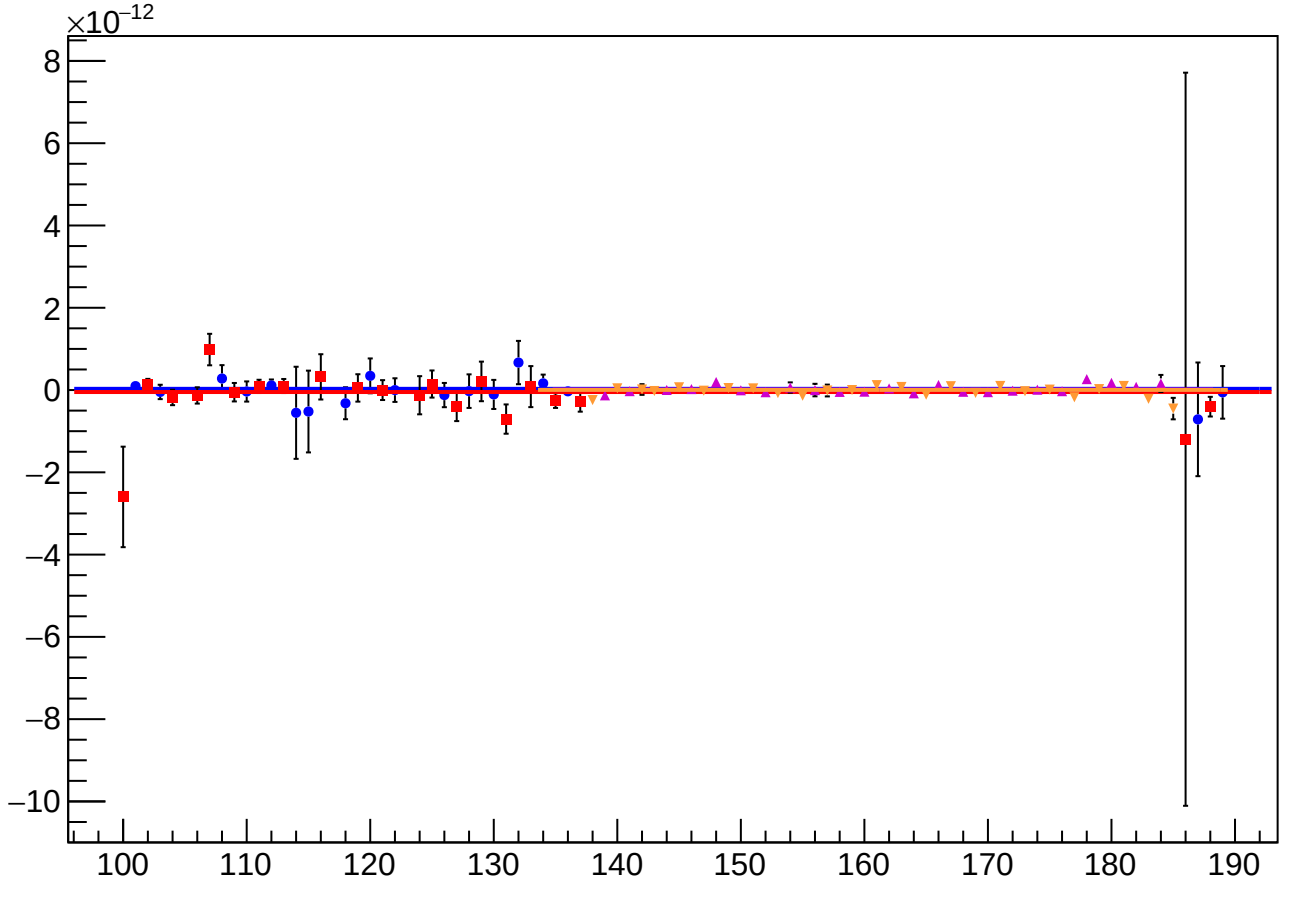
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2490.372+/-0.457 χ^2/NDF: 3509671.5/38

In: 2127.471+/-0.302 χ^2/NDF:2427723.2/40

Out: 2114.836+/-0.292 χ^2/NDF:3487651.7/45

All: 2120.943+/-0.210 χ^2/NDF: 5916281.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 6.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/20

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

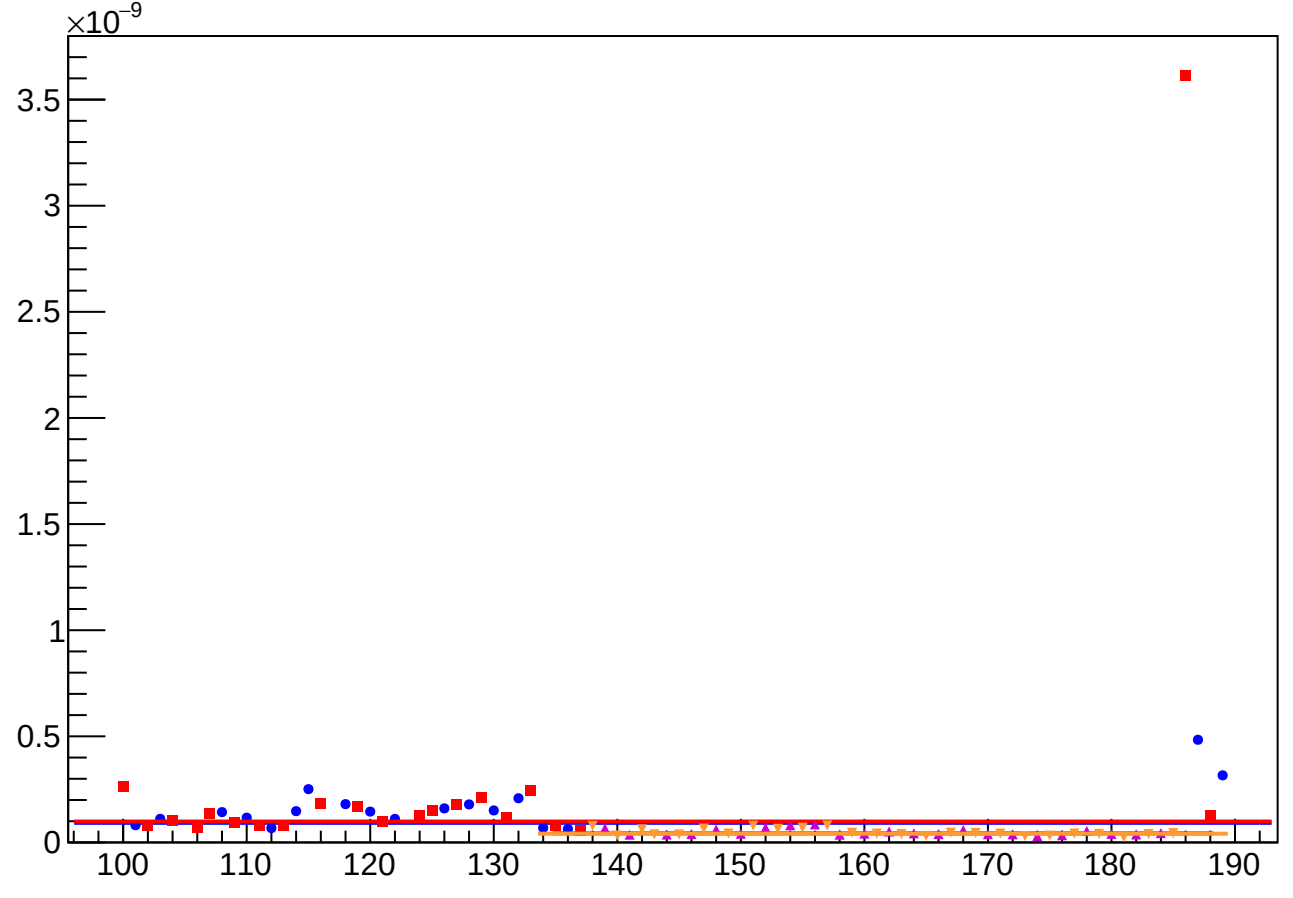
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: -0.000+/-0.000 χ^2/NDF: 33.0/38

In: 0.000+/-0.000 χ^2/NDF:27.4/40

Out: -0.000+/-0.000 χ^2/NDF:58.5/45

All: 0.000+/-0.000 χ^2/NDF: 86.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 1335145.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1195241.0/20

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

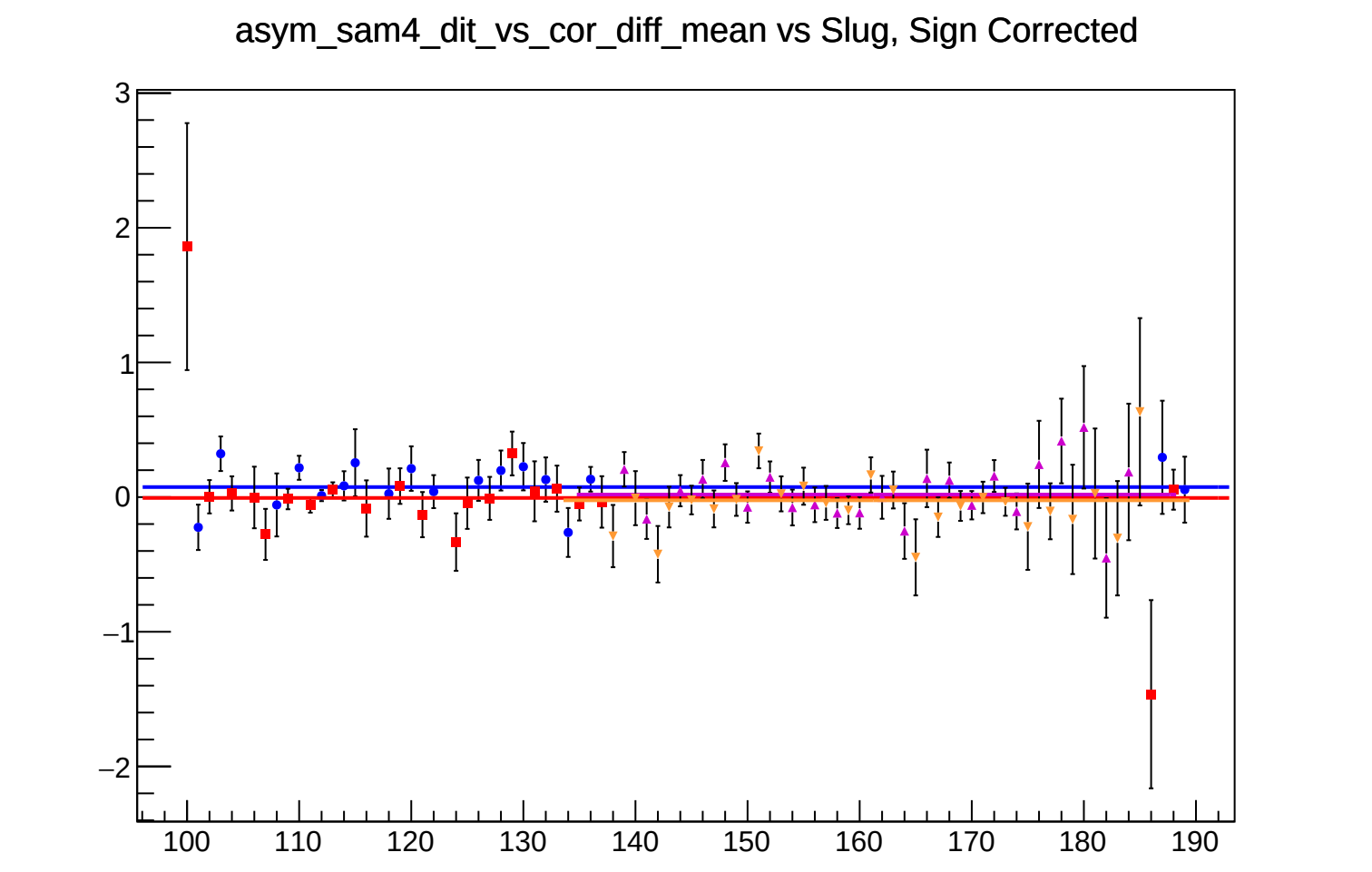
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 2543115.4/38

In: 0.000+/-0.000 χ^2/NDF:3893336.5/40

Out: 0.000+/-0.000 χ^2/NDF:4468459.3/45

All: 0.000+/-0.000 χ^2/NDF: 8375762.5/86



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

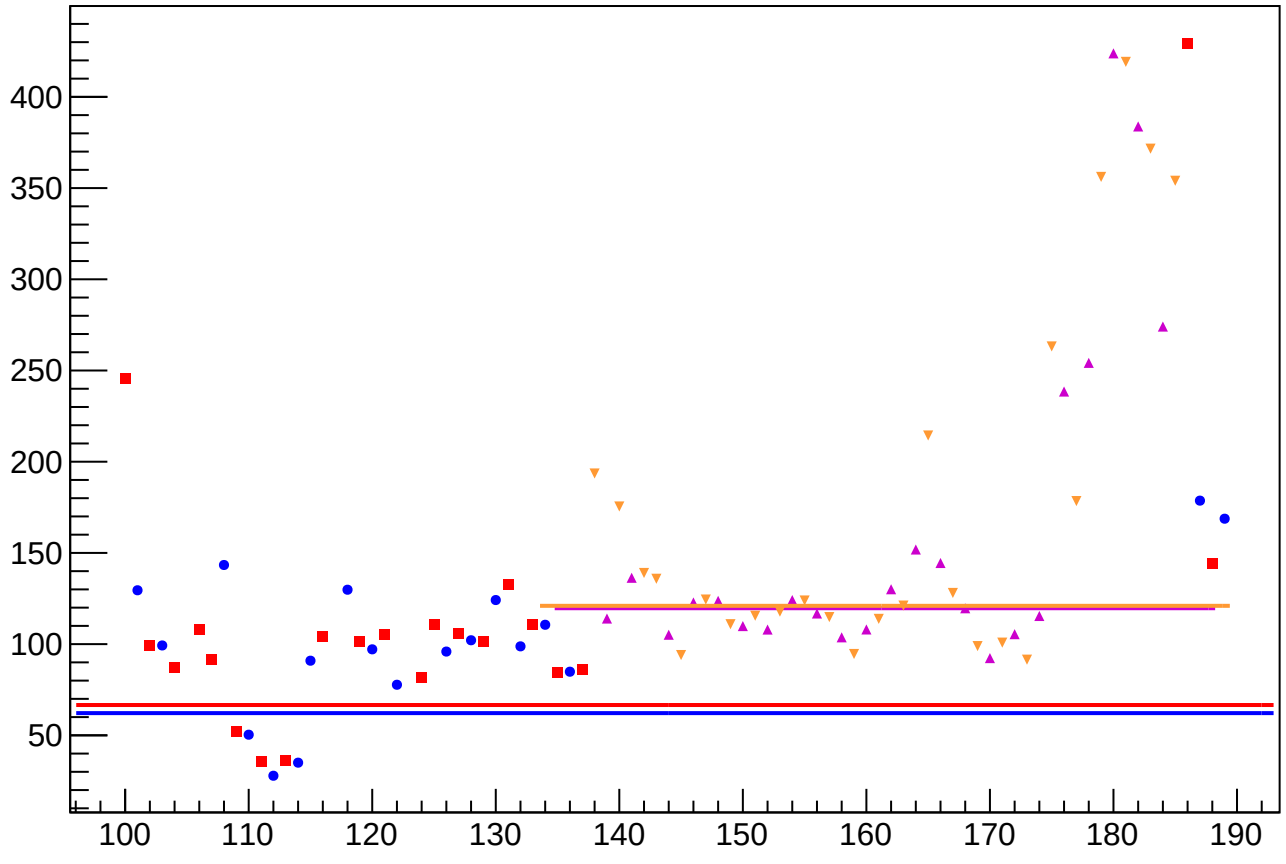
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.034+/-0.019 χ^2/NDF: 44.8/38

In: 0.050+/-0.020 χ^2/NDF:44.2/40

Out: -0.014+/-0.020 χ^2/NDF:43.3/45

All: 0.018+/-0.014 χ^2/NDF: 92.7/86



Right In: 62.180+/-0.019 χ^2/NDF: 4079456.1/17

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 66.620+/-0.019 χ^2/NDF: 3765799.3/20

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

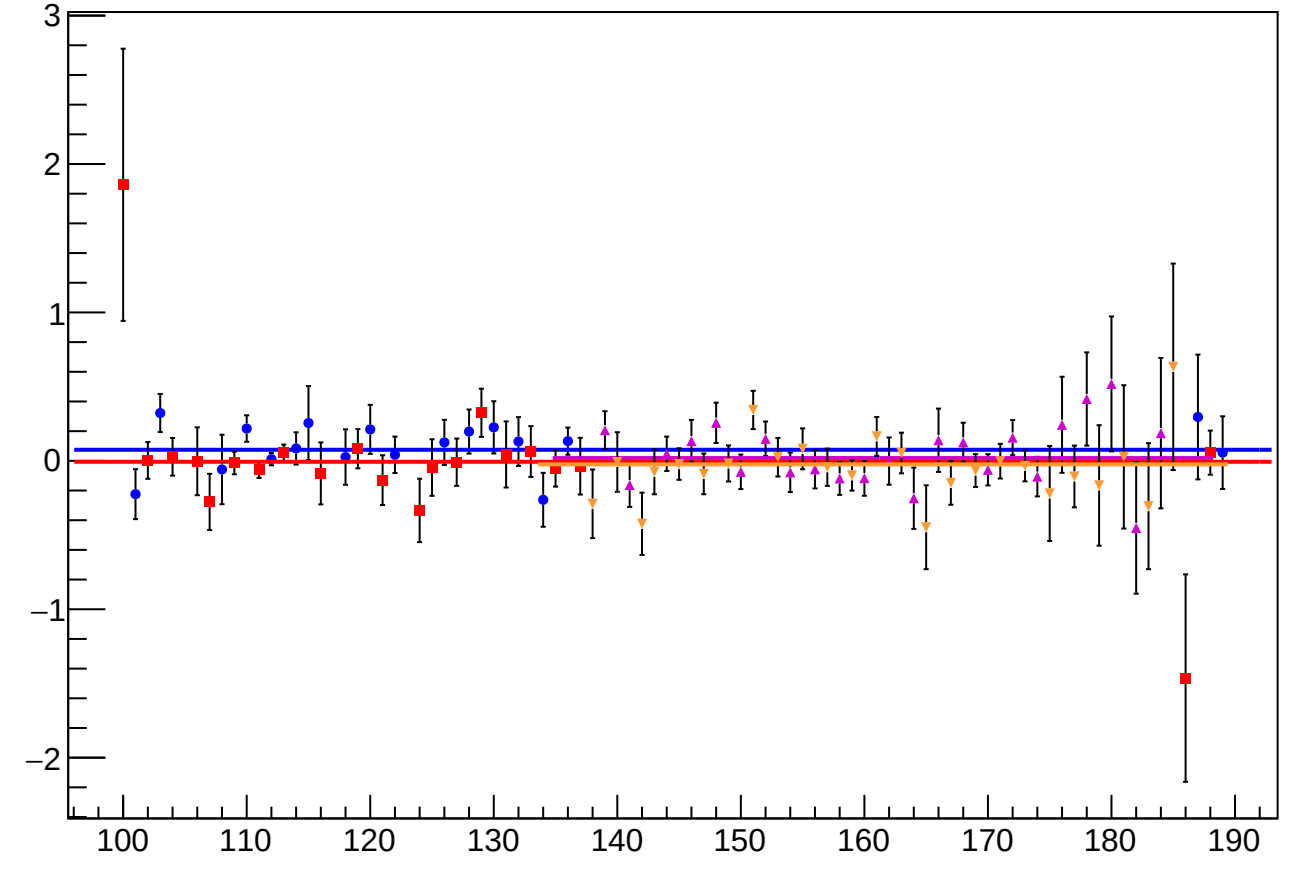
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 64.434+/-0.013 χ^2/NDF: 7873140.7/38

In: 87.482+/-0.014 χ^2/NDF:10970637.3/40

Out: 90.424+/-0.014 χ^2/NDF:11579830.7/45

All: 88.973+/-0.010 χ^2/NDF: 22572285.0/86



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

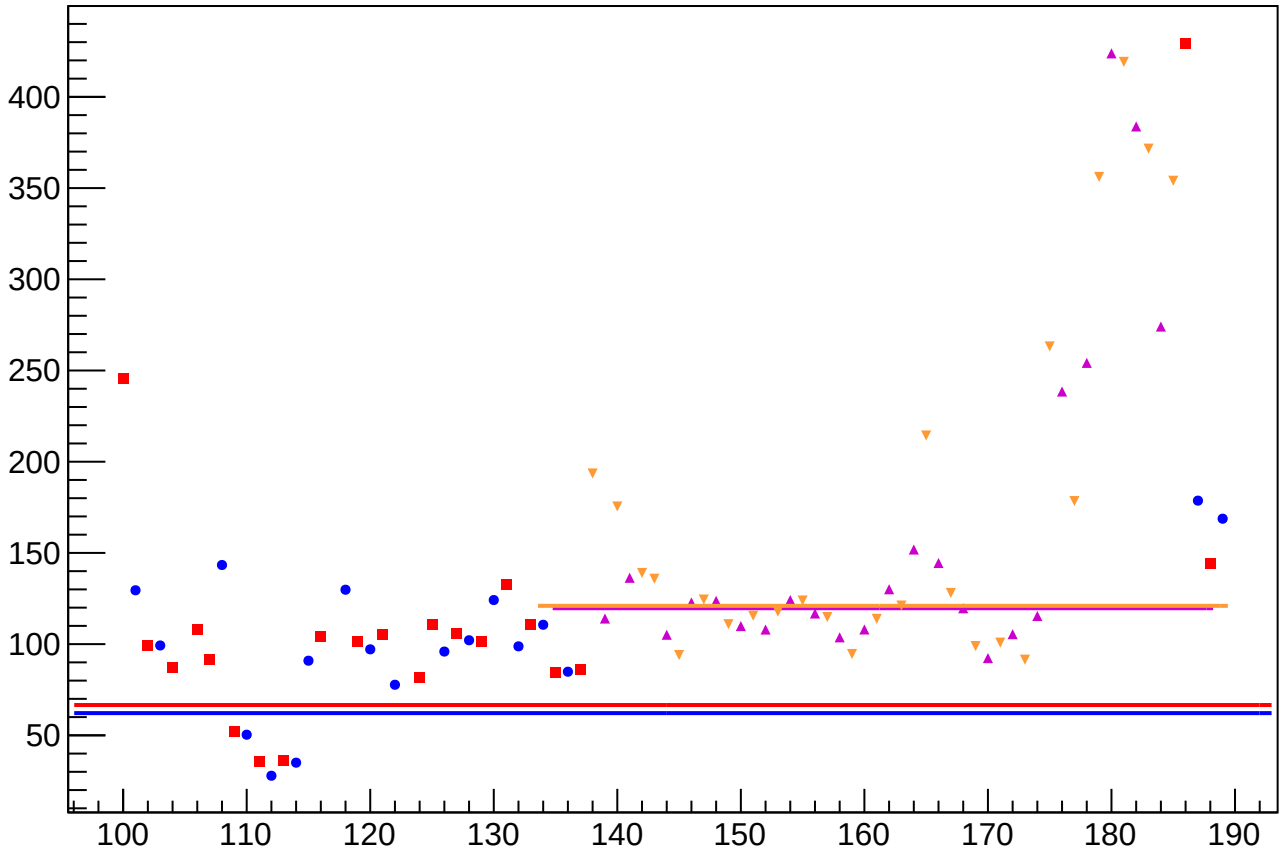
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.034+/-0.019 χ^2/NDF: 44.8/38

In: 0.050+/-0.020 χ^2/NDF:44.2/40

Out: -0.014+/-0.020 χ^2/NDF:43.3/45

All: 0.018+/-0.014 χ^2/NDF: 92.7/86



Right In: 62.180+/-0.019 χ^2/NDF: 4079456.1/17

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 66.620+/-0.019 χ^2/NDF: 3765799.3/20

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

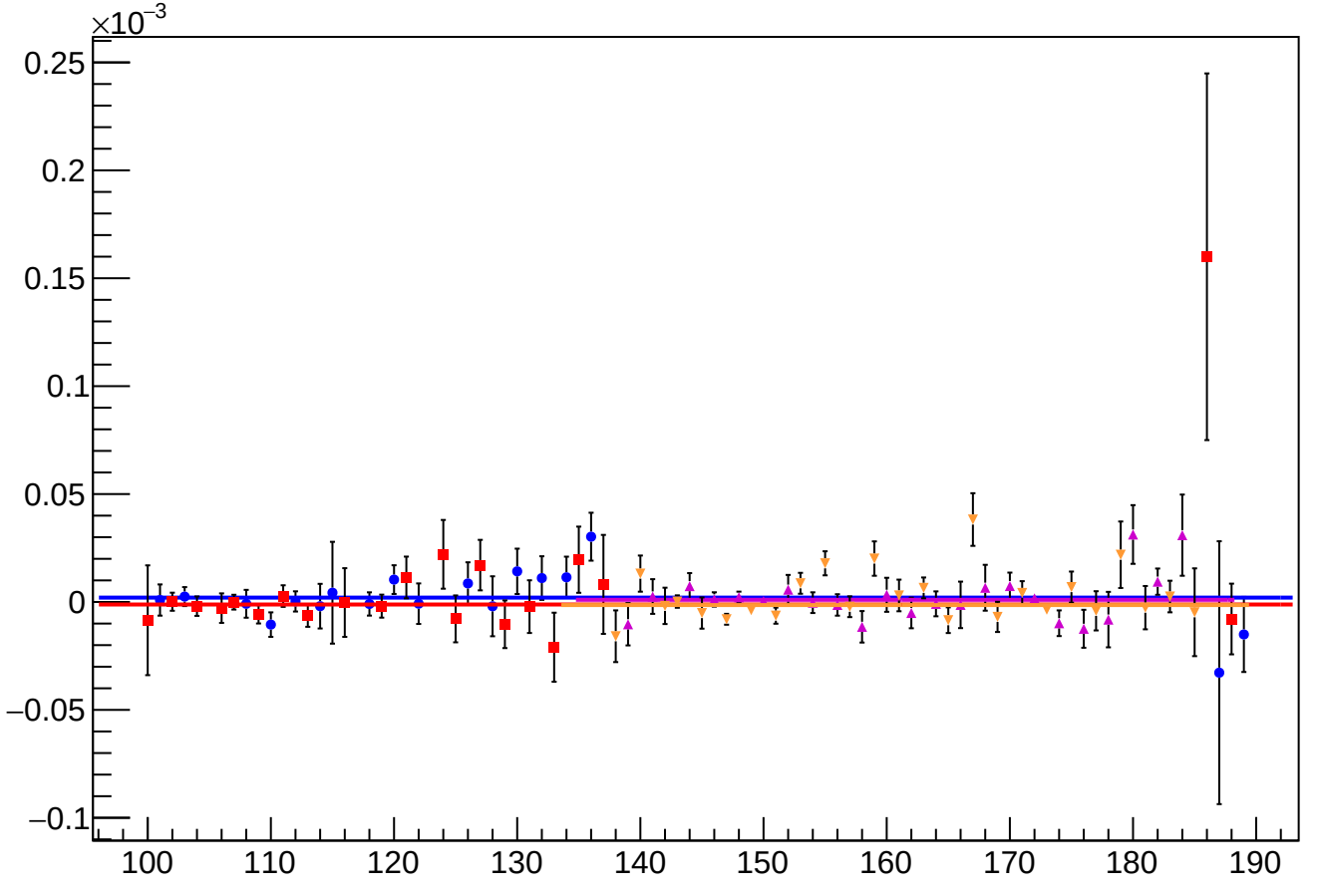
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 64.434+/-0.013 χ^2/NDF: 7873140.7/38

In: 87.482+/-0.014 χ^2/NDF:10970637.3/40

Out: 90.424+/-0.014 χ^2/NDF:11579830.7/45

All: 88.973+/-0.010 χ^2/NDF: 22572285.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

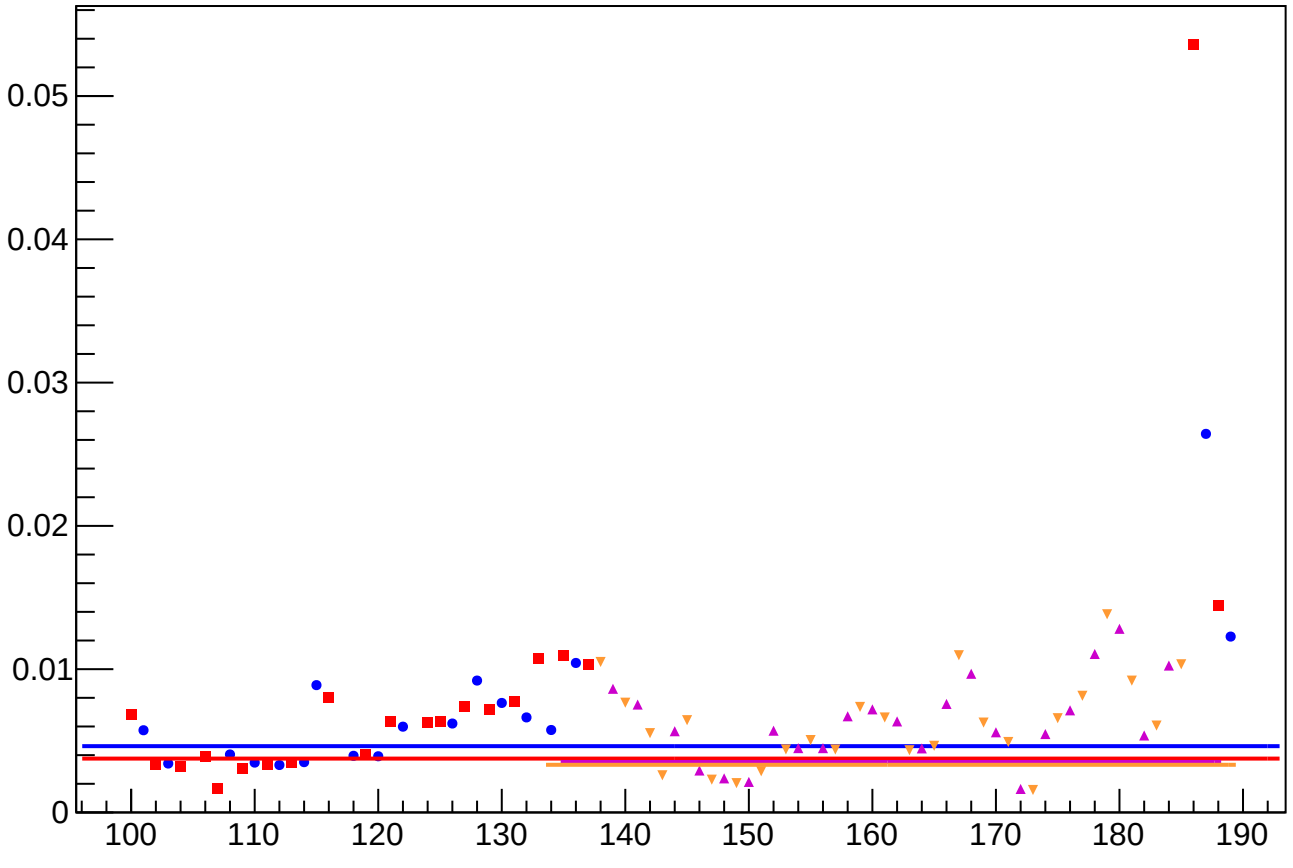
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 38.5/38

In: 0.000+/-0.000 χ^2/NDF:43.5/40

Out: -0.000+/-0.000 χ^2/NDF:78.3/45

All: -0.000+/-0.000 χ^2/NDF: 126.8/86



Right In: 0.005+/-0.000 χ^2/NDF: 2370793.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 4483626.7/20

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

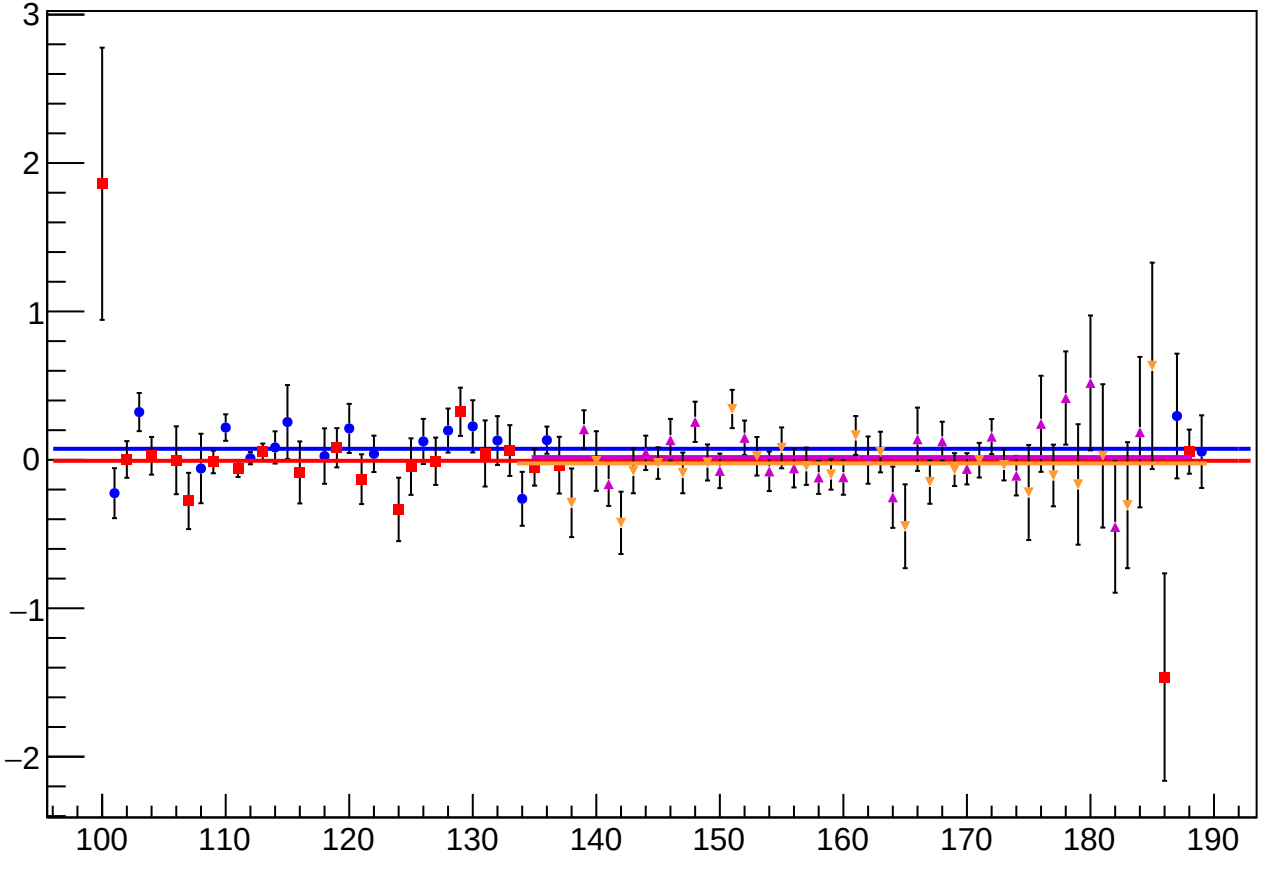
Right: 0.004+/-0.000 χ^2/NDF: 7129634.2/38

In: 0.004+/-0.000 χ^2/NDF:12375738.6/40

Out: 0.003+/-0.000 χ^2/NDF:15092550.8/45

All: 0.004+/-0.000 χ^2/NDF: 27635224.1/86

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

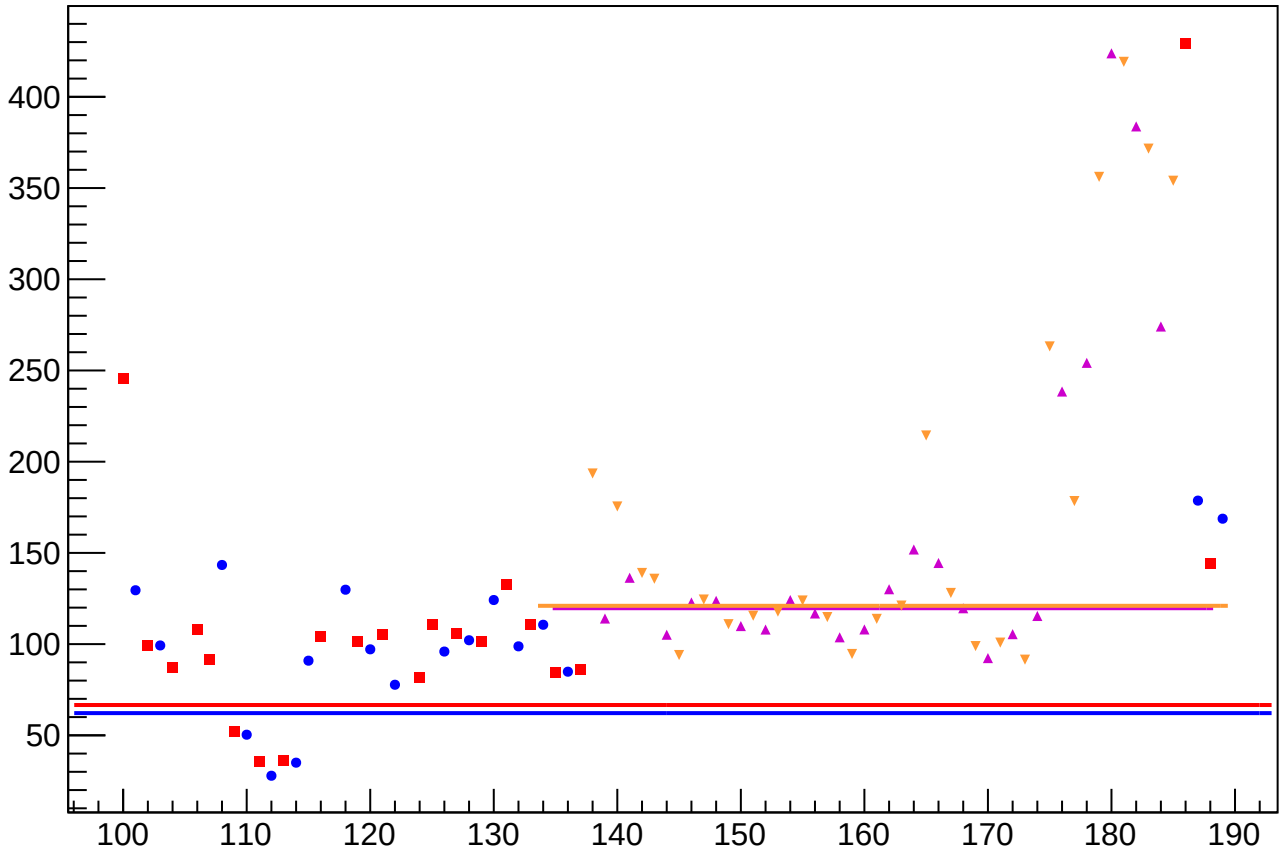
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.034+/-0.019 χ^2/NDF: 44.8/38

In: 0.050+/-0.020 χ^2/NDF:44.2/40

Out: -0.014+/-0.020 χ^2/NDF:43.3/45

All: 0.018+/-0.014 χ^2/NDF: 92.7/86



Right In: 62.178+/-0.019 χ^2/NDF: 4079718.2/17

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 66.618+/-0.019 χ^2/NDF: 3766095.8/20

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

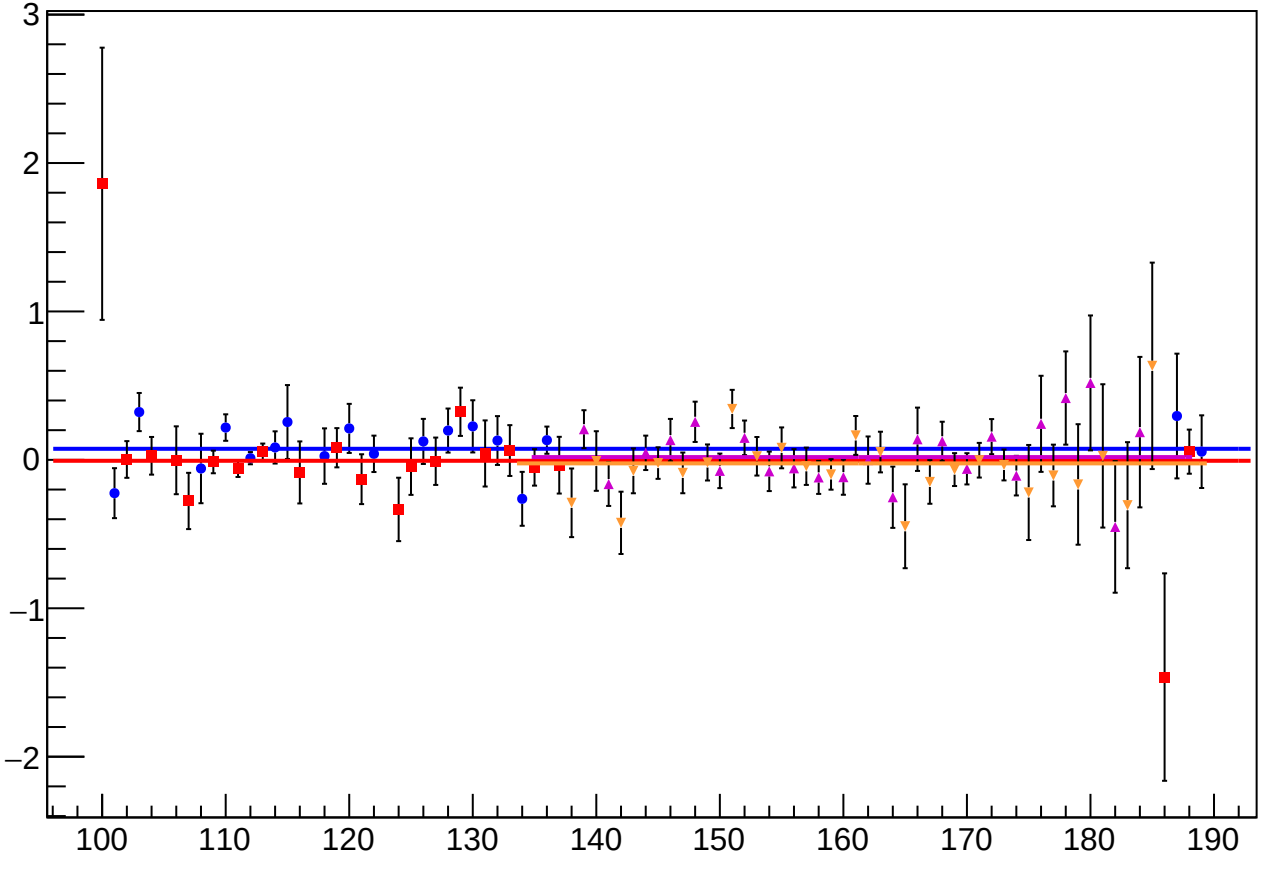
Right: 64.432+/-0.013 χ^2/NDF: 7873704.2/38

In: 87.481+/-0.014 χ^2/NDF:10971315.2/40

Out: 90.423+/-0.014 χ^2/NDF:11580479.9/45

All: 88.971+/-0.010 χ^2/NDF: 22573617.8/86

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/17

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

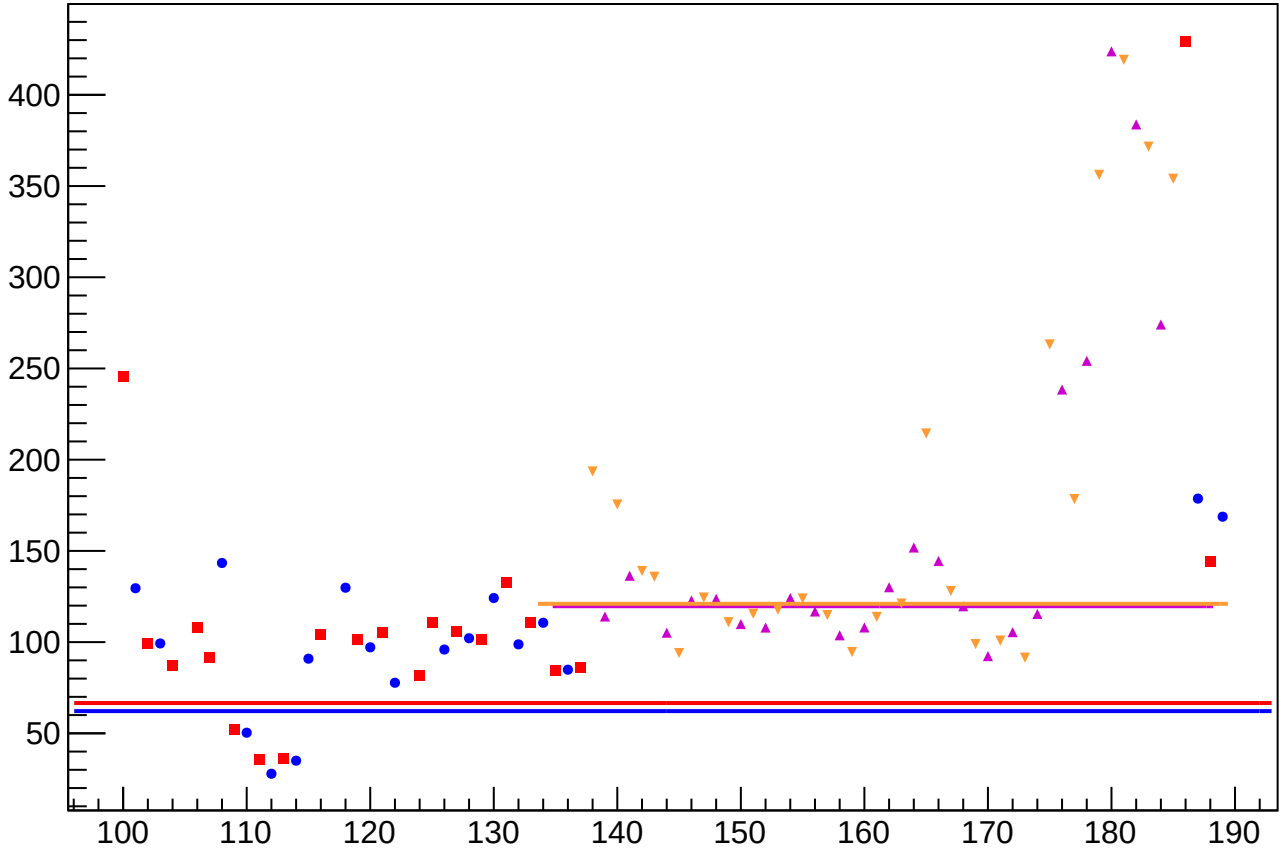
Right: 0.034+/-0.019 χ^2/NDF: 44.8/38

In: 0.050+/-0.020 χ^2/NDF:44.2/40

Out: -0.014+/-0.020 χ^2/NDF:43.3/45

All: 0.018+/-0.014 χ^2/NDF: 92.7/86

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.178+/-0.019 χ^2/NDF: 4079718.2/17

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 66.618+/-0.019 χ^2/NDF: 3766095.8/20

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

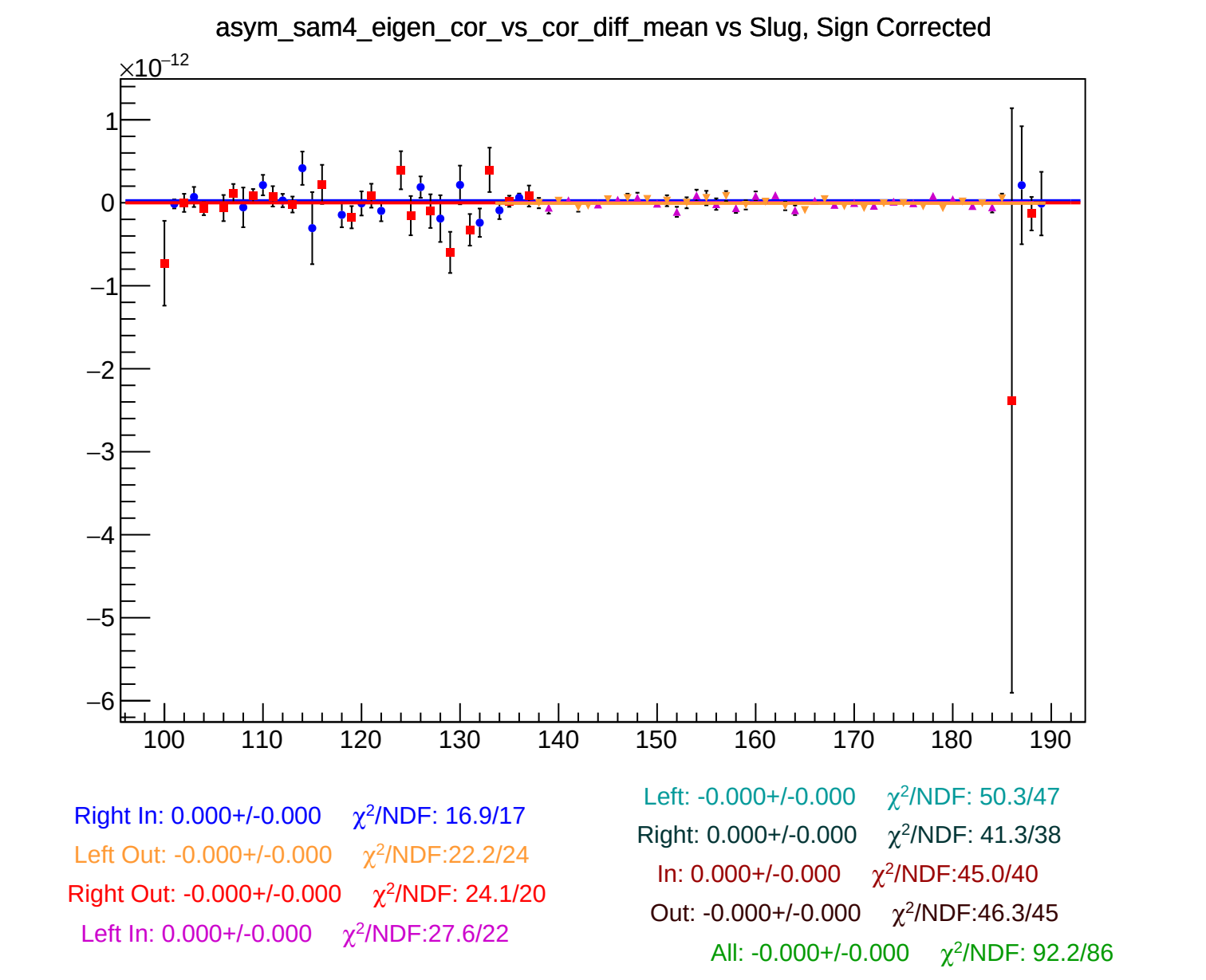
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

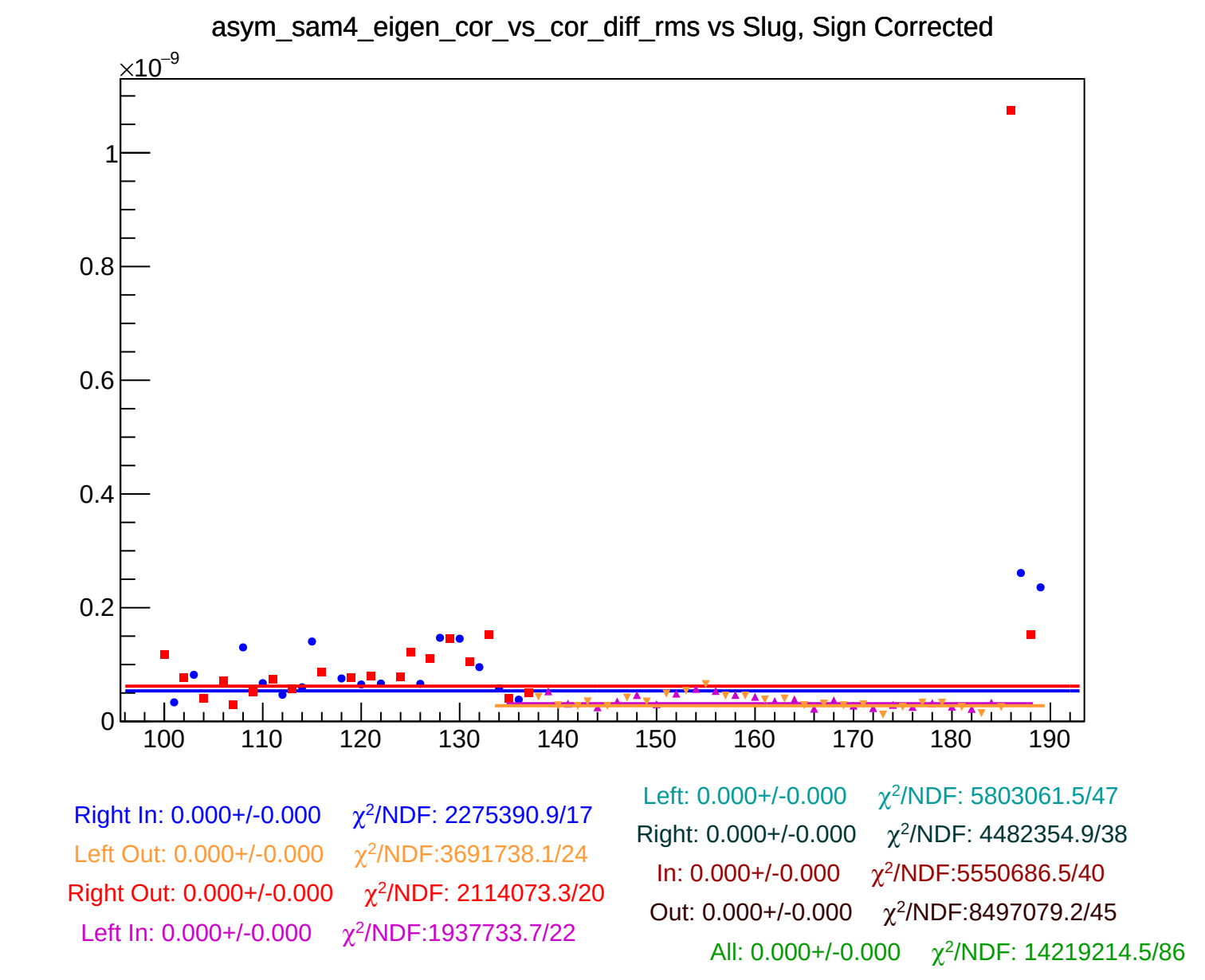
Right: 64.432+/-0.013 χ^2/NDF: 7873704.2/38

In: 87.481+/-0.014 χ^2/NDF:10971315.2/40

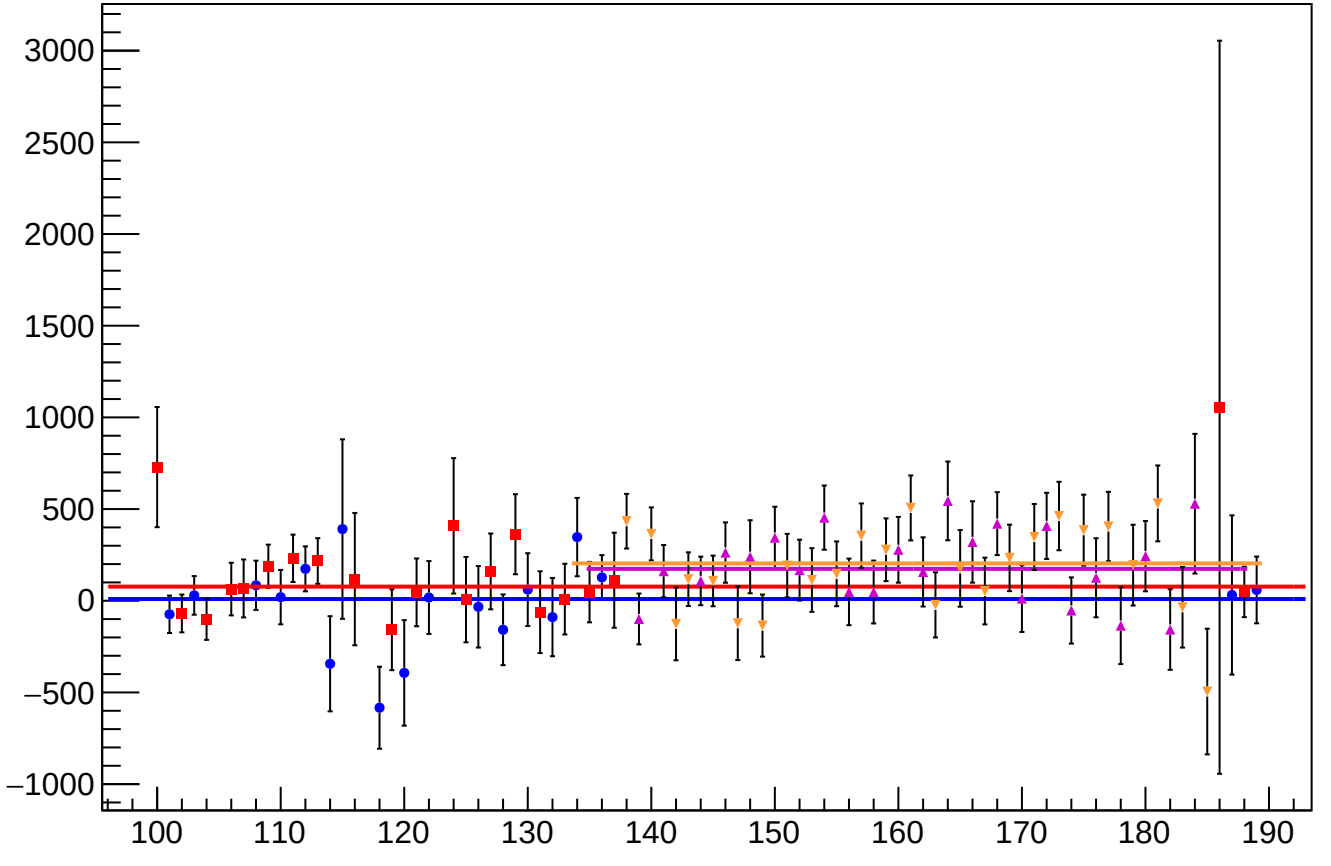
Out: 90.423+/-0.014 χ^2/NDF:11580479.9/45

All: 88.971+/-0.010 χ^2/NDF: 22573617.8/86


asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
−6
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.9/17
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.1/20
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 50.3/47
Right: 0.000+/-0.000 χ²/NDF: 41.3/38
In: 0.000+/-0.000 χ²/NDF:45.0/40
Out: -0.000+/-0.000 χ²/NDF:46.3/45
All: -0.000+/-0.000 χ²/NDF: 92.2/86


asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2275390.9/17
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 2114073.3/20
Left In: 0.000+/-0.000 χ²/NDF:1937733.7/22
Left: 0.000+/-0.000 χ²/NDF: 5803061.5/47
Right: 0.000+/-0.000 χ²/NDF: 4482354.9/38
In: 0.000+/-0.000 χ²/NDF:5550686.5/40
Out: 0.000+/-0.000 χ²/NDF:8497079.2/45
All: 0.000+/-0.000 χ²/NDF: 14219214.5/86

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 9.434+/-39.235 χ^2/NDF: 18.9/17

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 77.053+/-36.541 χ^2/NDF: 17.0/20

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

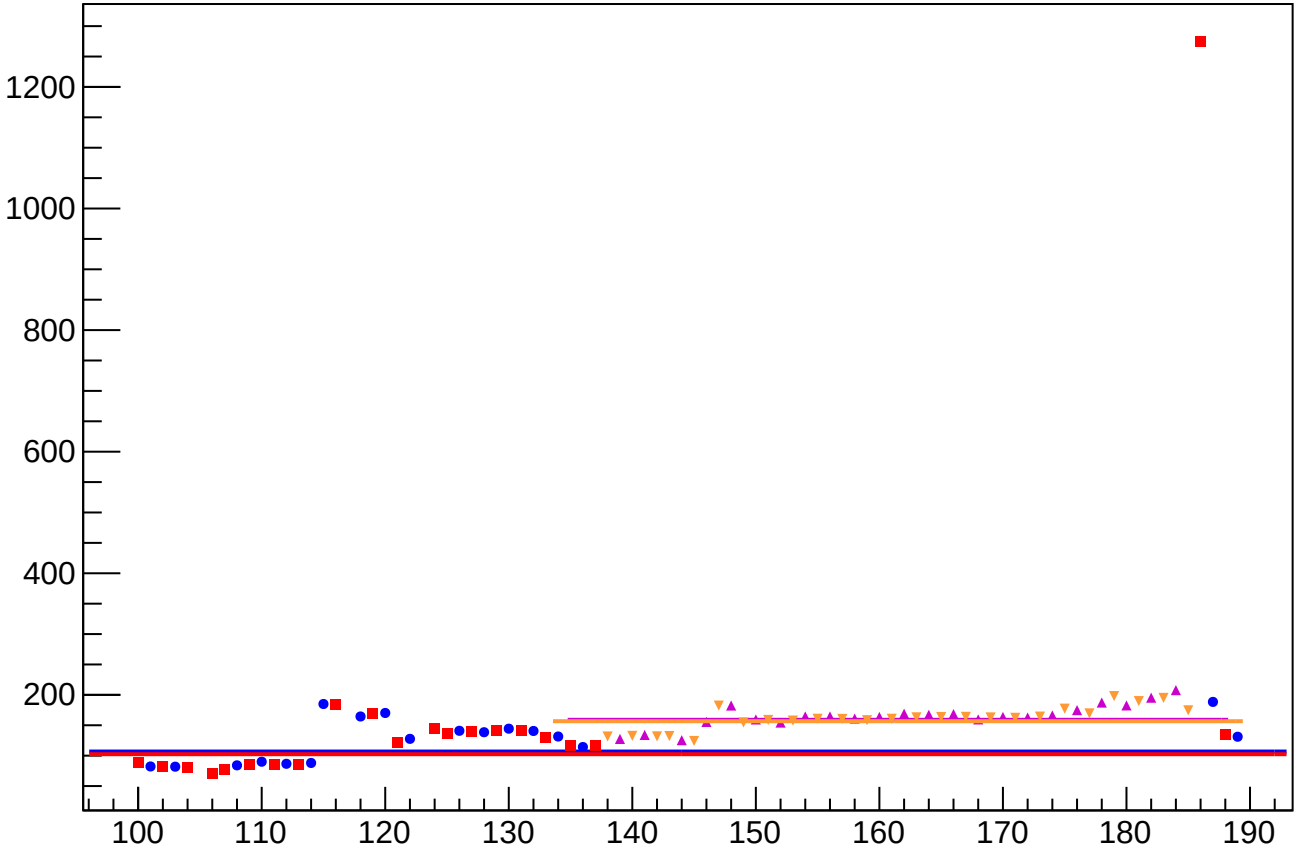
Right: 45.645+/-26.740 χ^2/NDF: 37.4/38

In: 95.631+/-27.073 χ^2/NDF:52.6/40

Out: 141.567+/-25.601 χ^2/NDF:56.0/45

All: 119.883+/-18.601 χ^2/NDF: 110.1/86

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 106.762+/-0.028 χ^2/NDF: 1042190.3/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 102.385+/-0.026 χ^2/NDF: 1849248.6/20

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

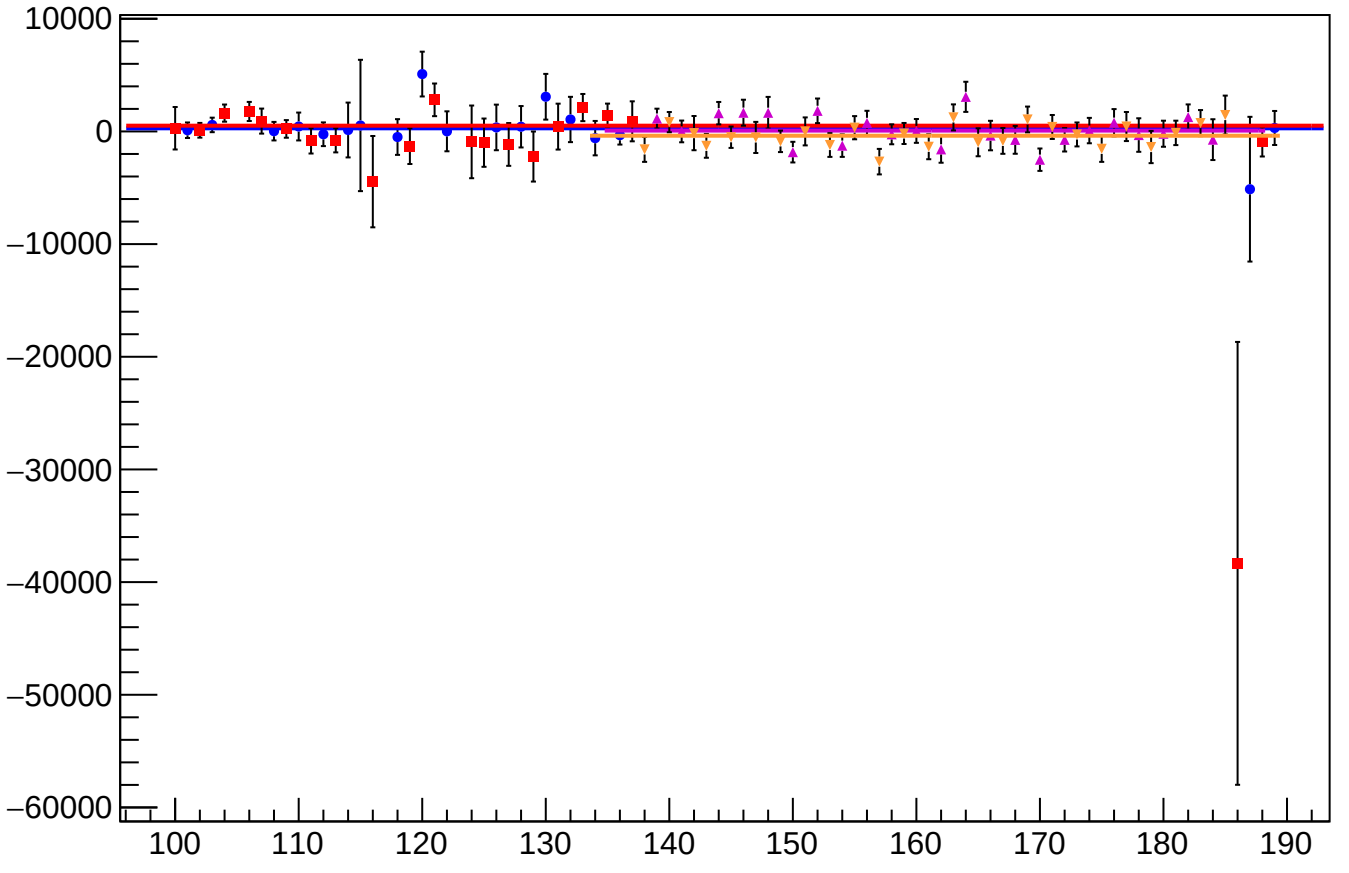
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 104.418+/-0.019 χ^2/NDF: 2904766.2/38

In: 134.102+/-0.019 χ^2/NDF:3407297.5/40

Out: 130.009+/-0.018 χ^2/NDF:4676354.3/45

All: 131.941+/-0.013 χ^2/NDF: 8107793.9/86



Right In: 276.782+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 510.446+/-264.023 χ^2/NDF: 24.0/20

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

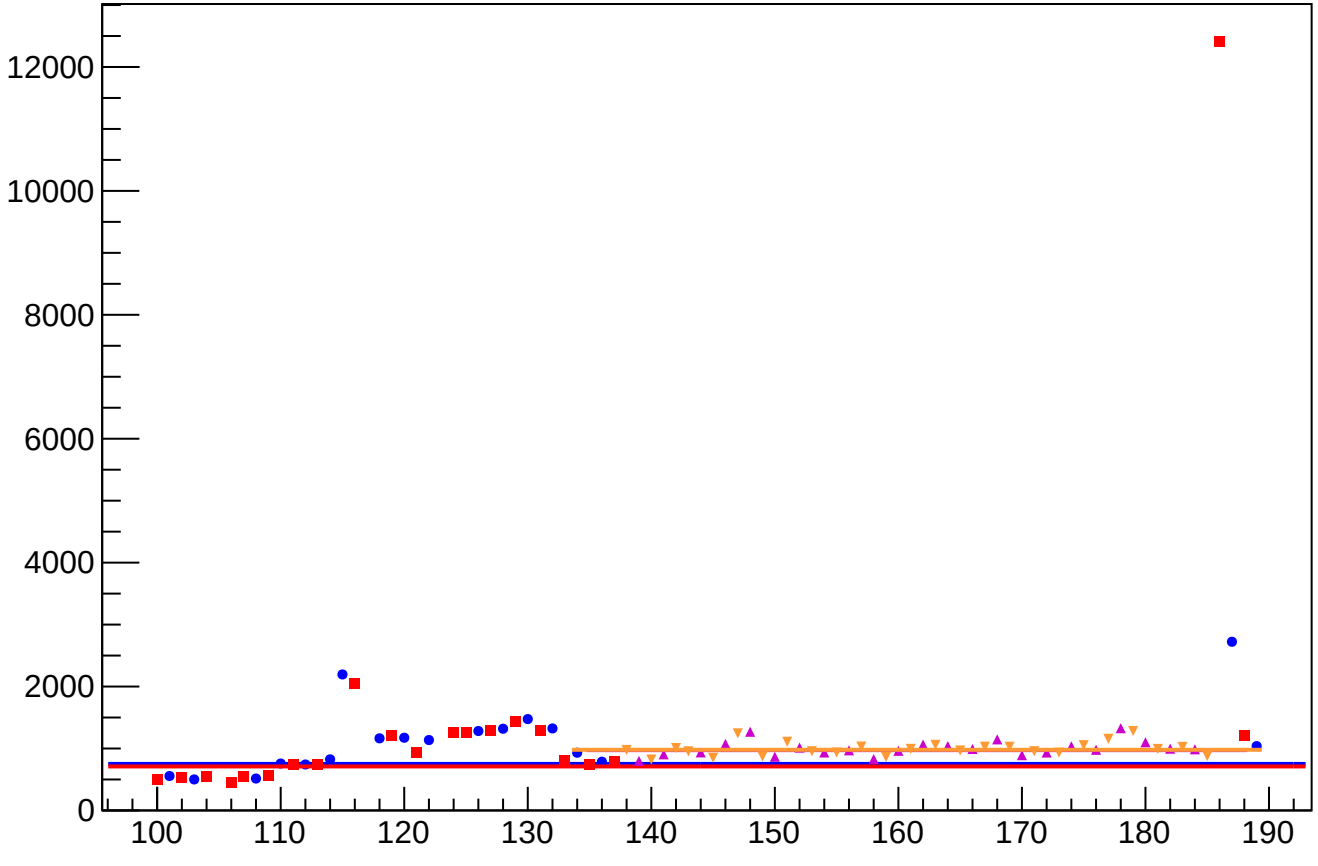
Right: 403.660+/-194.554 χ^2/NDF: 34.8/38

In: 153.216+/-179.570 χ^2/NDF:43.8/40

Out: -6.645+/-171.053 χ^2/NDF:49.3/45

All: 69.405+/-123.854 χ^2/NDF: 93.5/86

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 751.052+/-0.204 χ^2/NDF: 2110553.2/17

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 710.431+/-0.187 χ^2/NDF: 2849992.7/20

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

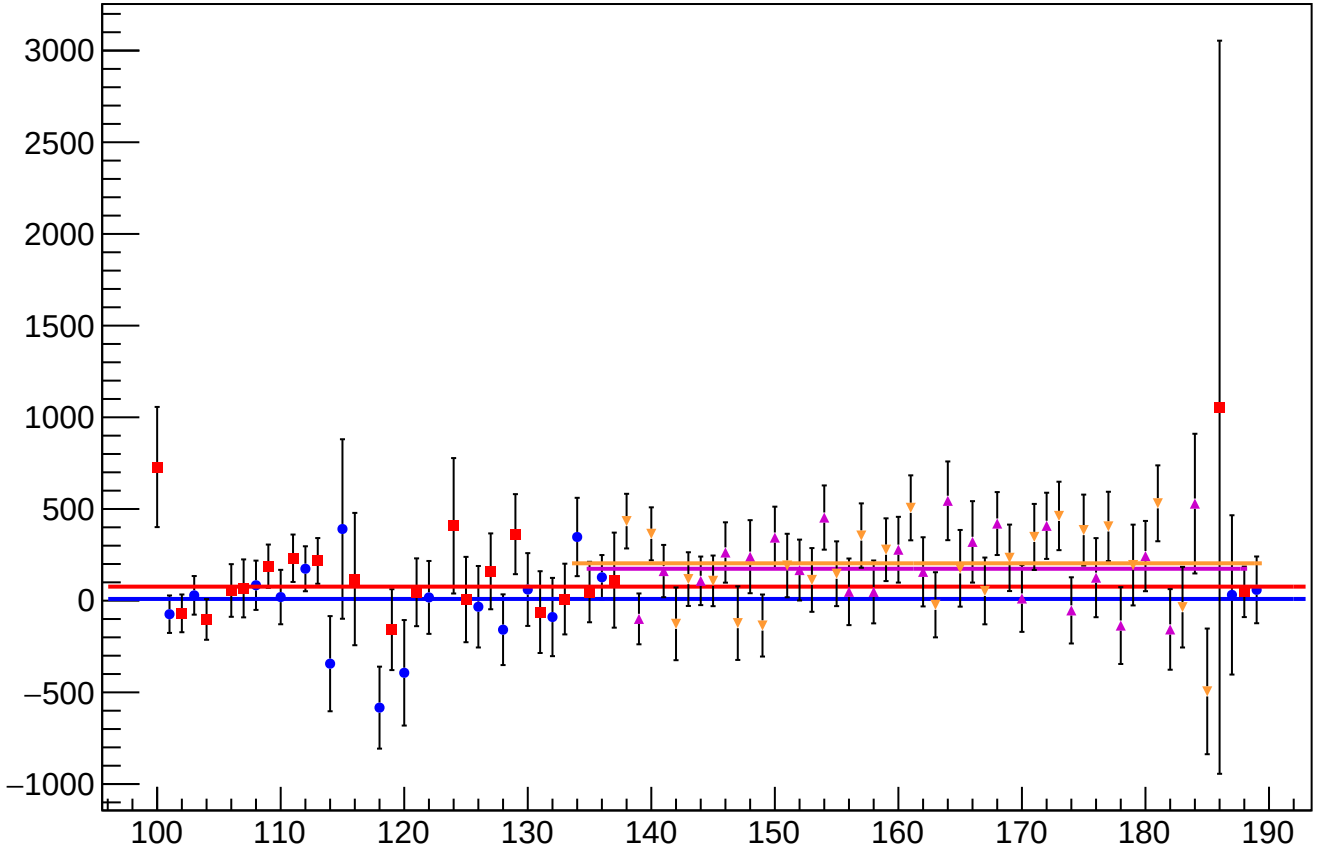
Right: 728.995+/-0.138 χ^2/NDF: 4982181.3/38

In: 887.090+/-0.127 χ^2/NDF:3340945.2/40

Out: 866.336+/-0.121 χ^2/NDF:4481611.7/45

All: 876.209+/-0.088 χ^2/NDF: 7836564.1/86

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 9.425+/-39.235 χ^2/NDF: 18.9/17

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 76.554+/-36.544 χ^2/NDF: 17.0/20

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

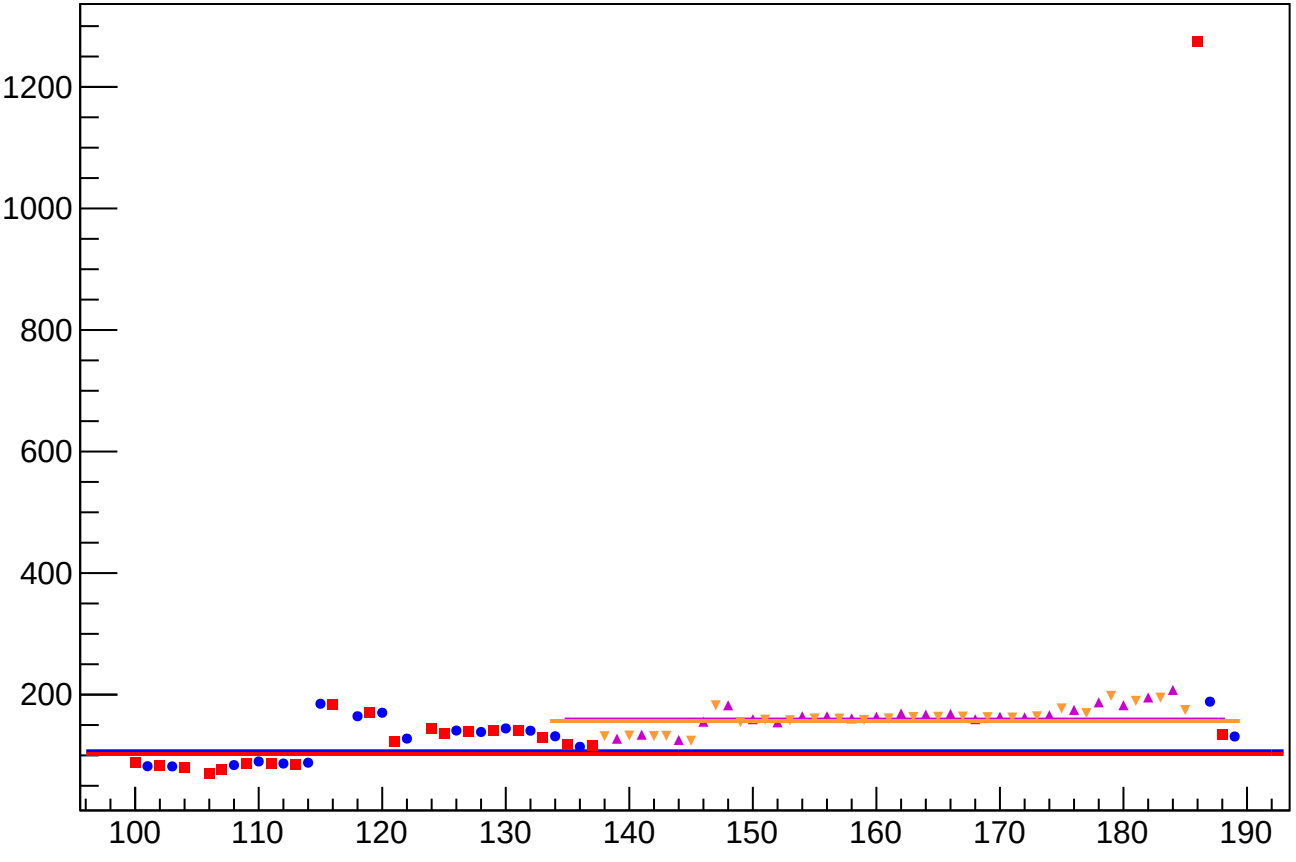
Right: 45.371+/-26.741 χ^2/NDF: 37.4/38

In: 95.629+/-27.073 χ^2/NDF:52.6/40

Out: 141.330+/-25.602 χ^2/NDF:56.0/45

All: 119.755+/-18.602 χ^2/NDF: 110.1/86

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 106.762+/-0.028 χ^2/NDF: 1042189.5/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.364+/-0.026 χ^2/NDF: 1851625.3/20

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

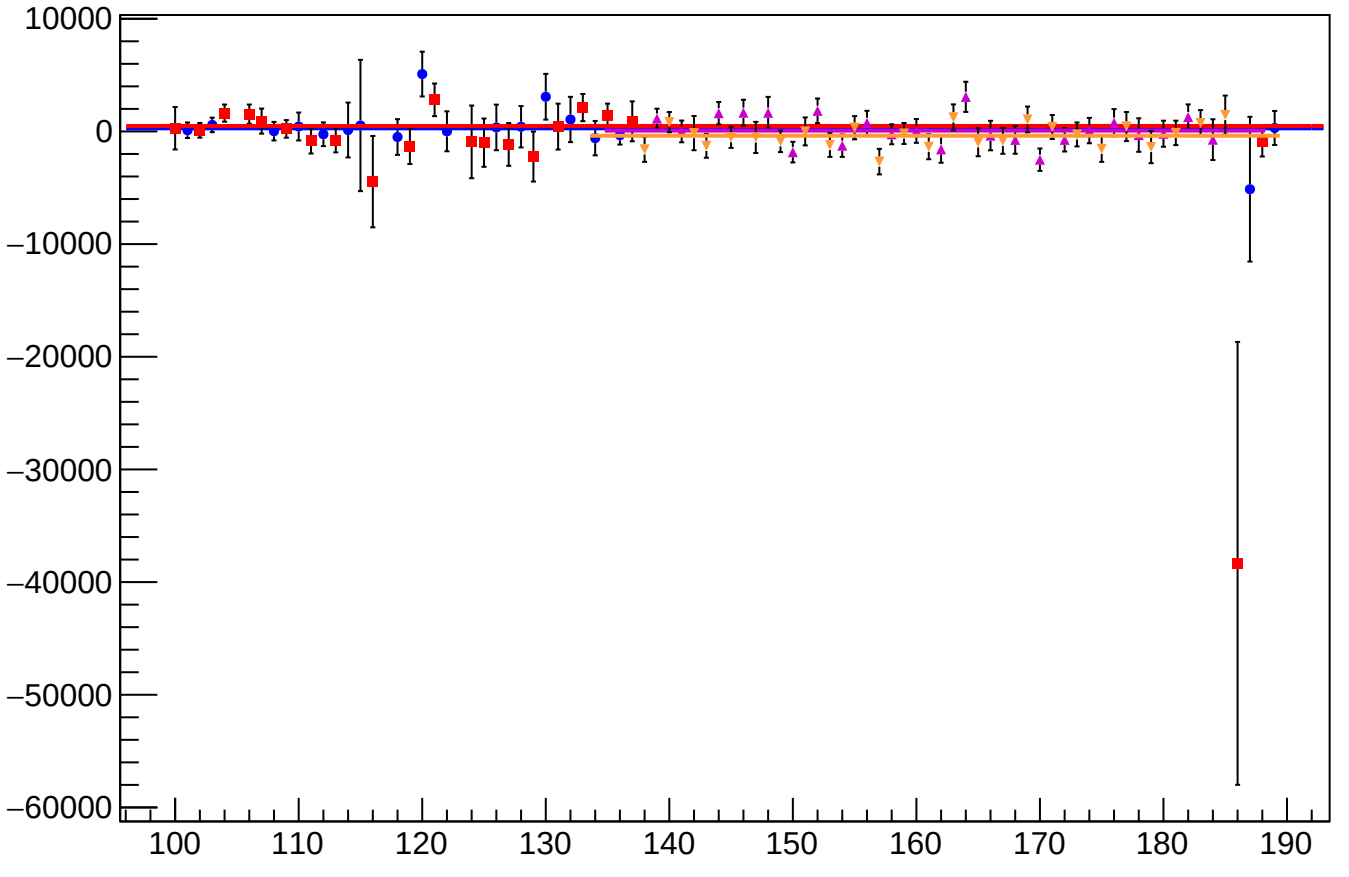
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 104.407+/-0.019 χ^2/NDF: 2907274.6/38

In: 134.102+/-0.019 χ^2/NDF:3407295.5/40

Out: 130.000+/-0.018 χ^2/NDF:4680386.7/45

All: 131.937+/-0.013 χ^2/NDF: 8111929.1/86



Right In: 276.784+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 485.665+/-264.190 χ^2/NDF: 23.2/20

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

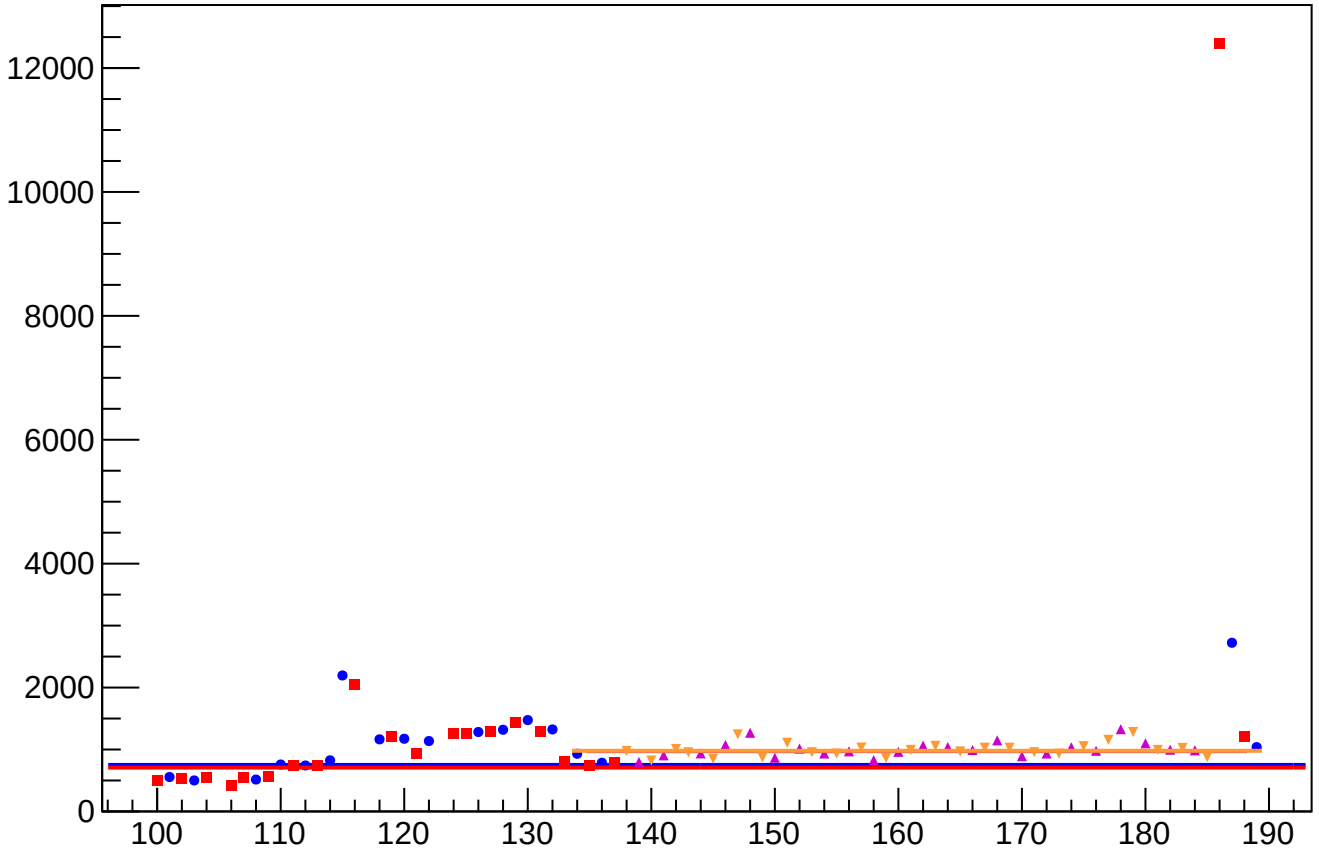
Right: 390.140+/-194.621 χ^2/NDF: 33.9/38

In: 153.216+/-179.570 χ^2/NDF:43.8/40

Out: -17.306+/-171.099 χ^2/NDF:48.2/45

All: 63.838+/-123.872 χ^2/NDF: 92.4/86

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 751.051+/-0.203 χ^2/NDF: 2110555.0/17

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 708.424+/-0.187 χ^2/NDF: 2884045.9/20

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

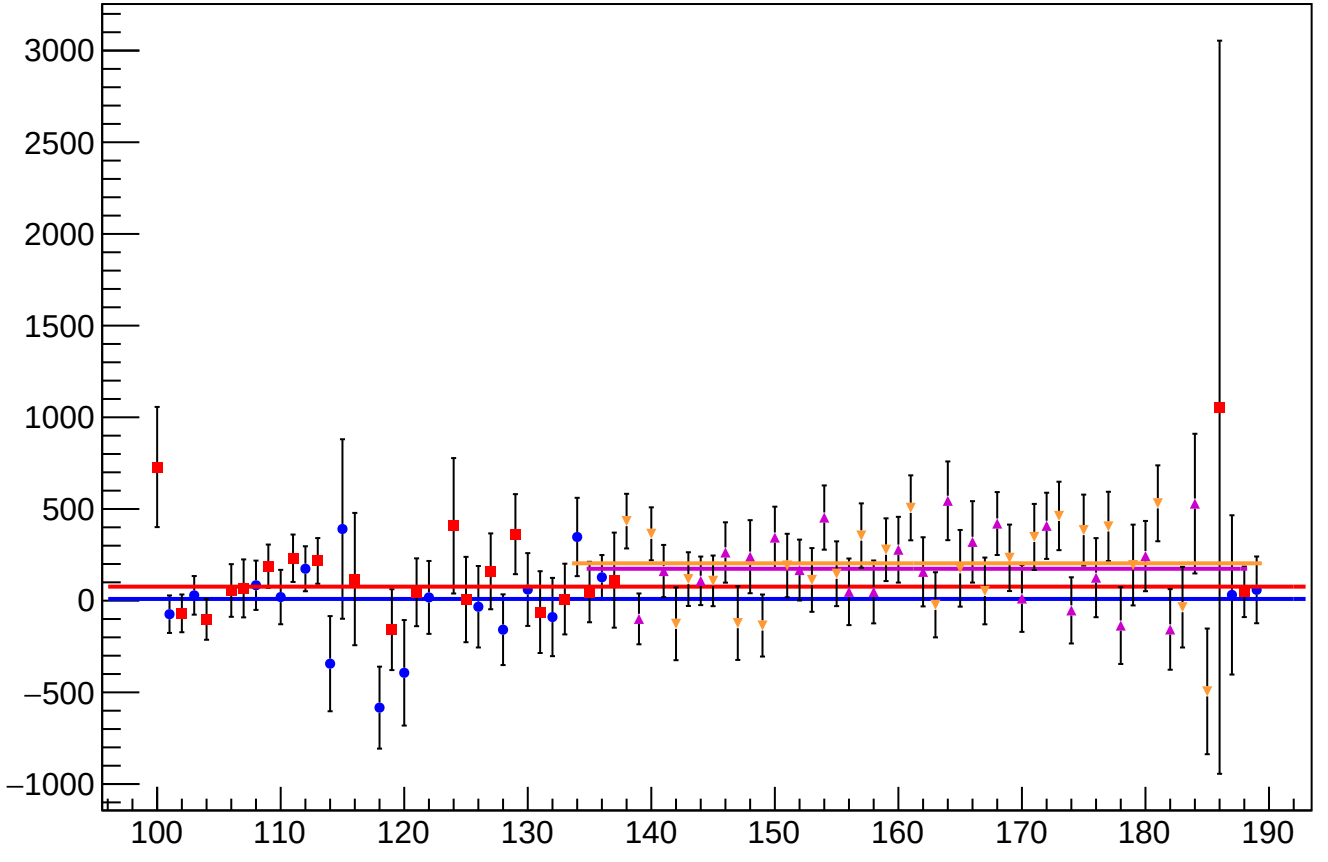
Right: 727.919+/-0.138 χ^2/NDF: 5018412.6/38

In: 887.090+/-0.127 χ^2/NDF:3340953.7/40

Out: 865.577+/-0.121 χ^2/NDF:4532791.2/45

All: 875.814+/-0.088 χ^2/NDF: 7888790.8/86

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 9.425+/-39.235 χ^2/NDF: 18.9/17

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 76.554+/-36.544 χ^2/NDF: 17.0/20

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

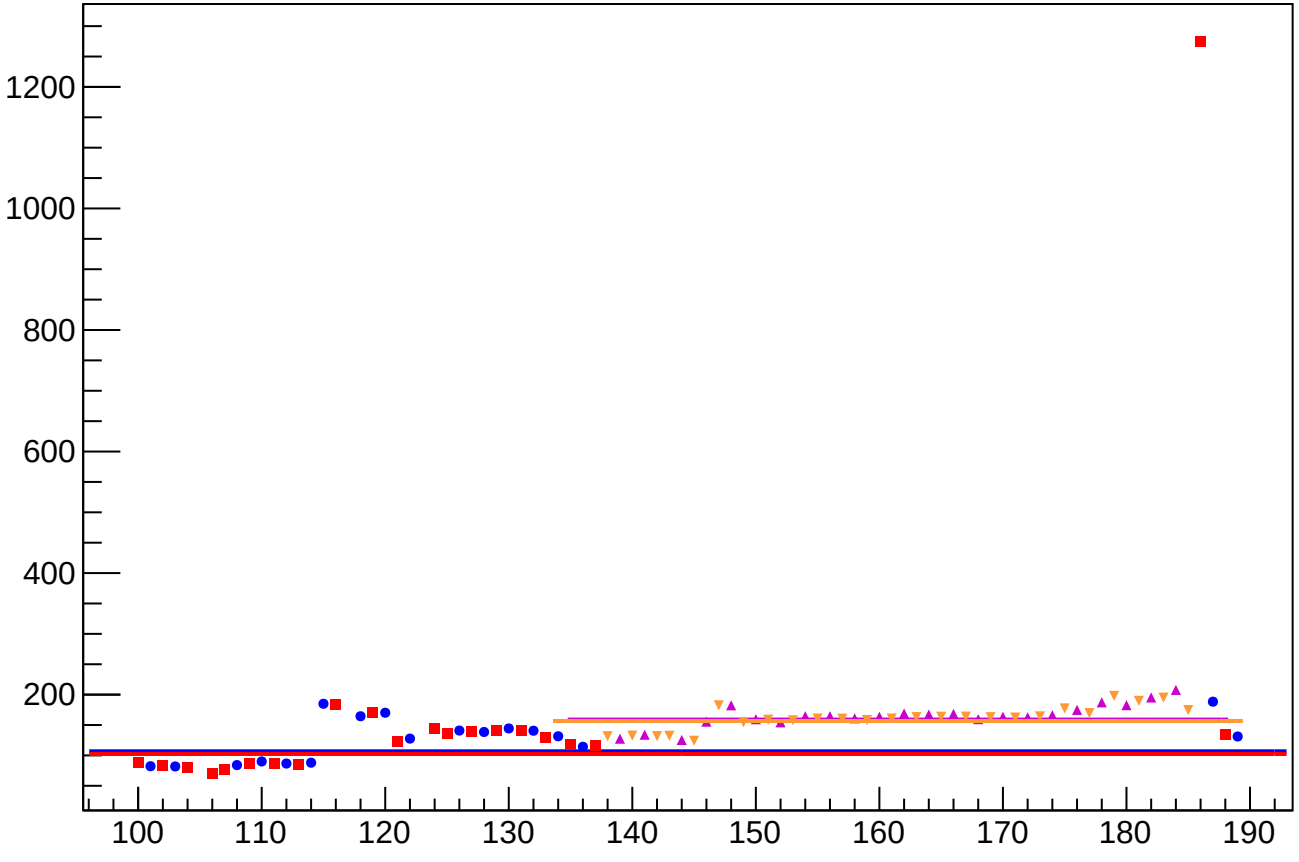
Right: 45.371+/-26.741 χ^2/NDF: 37.4/38

In: 95.629+/-27.073 χ^2/NDF:52.6/40

Out: 141.330+/-25.602 χ^2/NDF:56.0/45

All: 119.755+/-18.602 χ^2/NDF: 110.1/86

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 106.762+/-0.028 χ^2/NDF: 1042189.5/17

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.364+/-0.026 χ^2/NDF: 1851625.3/20

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

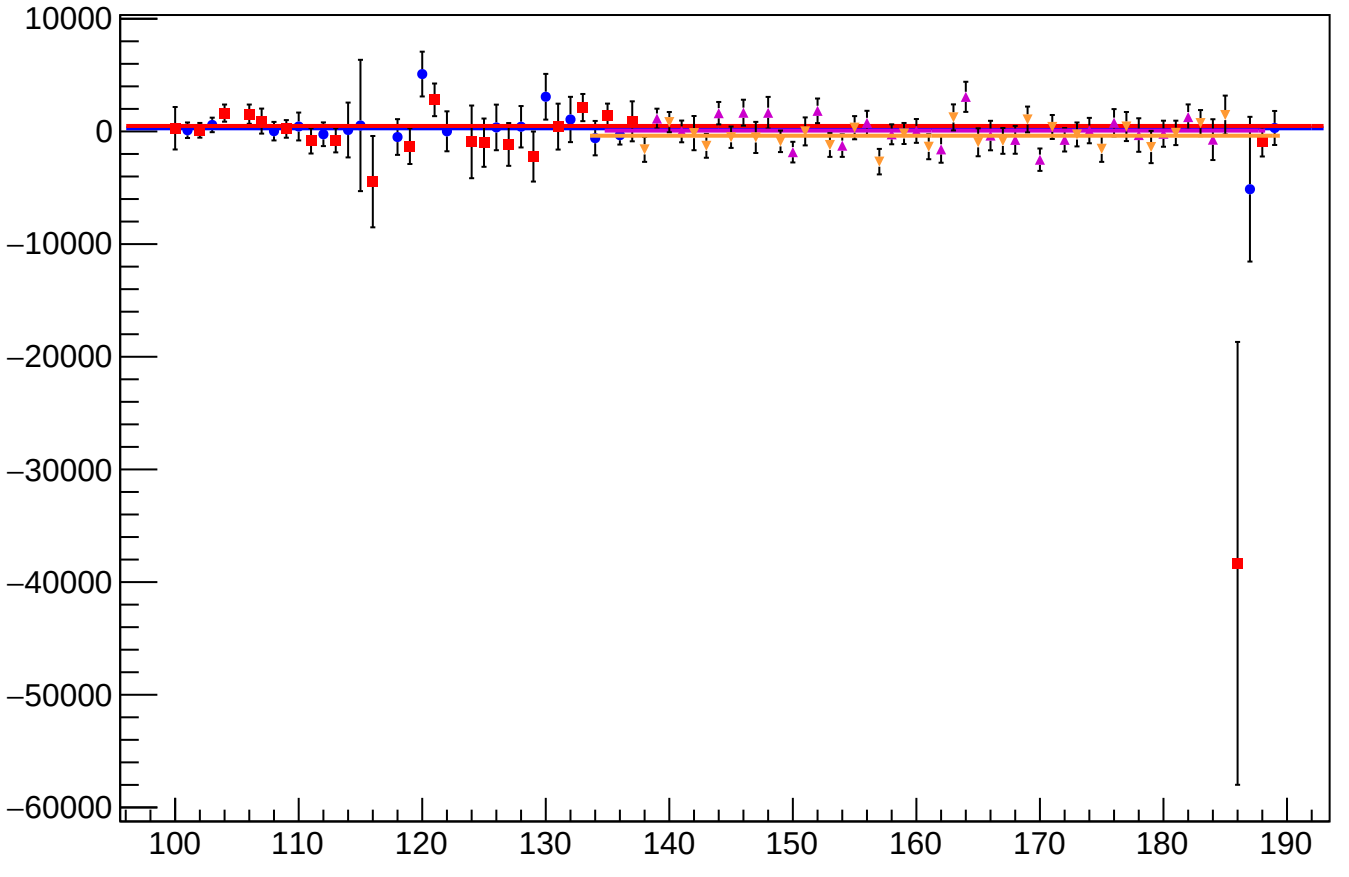
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 104.407+/-0.019 χ^2/NDF: 2907274.6/38

In: 134.102+/-0.019 χ^2/NDF:3407295.5/40

Out: 130.000+/-0.018 χ^2/NDF:4680386.7/45

All: 131.937+/-0.013 χ^2/NDF: 8111929.1/86



Right In: 276.784+/-287.792 χ^2/NDF: 10.4/17

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 485.665+/-264.190 χ^2/NDF: 23.2/20

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

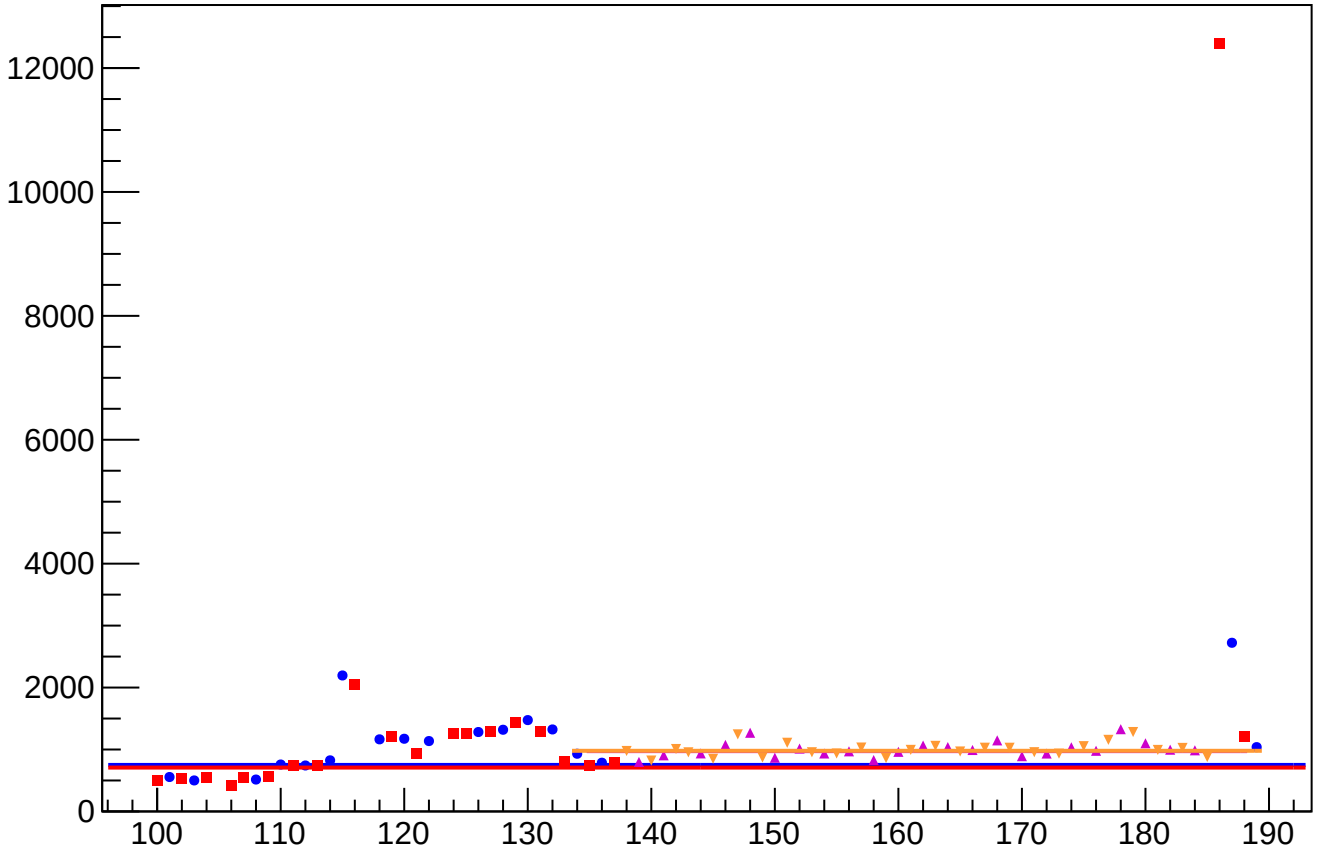
Right: 390.140+/-194.621 χ^2/NDF: 33.9/38

In: 153.216+/-179.570 χ^2/NDF:43.8/40

Out: -17.306+/-171.099 χ^2/NDF:48.2/45

All: 63.838+/-123.872 χ^2/NDF: 92.4/86

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 751.051+/-0.203 χ^2/NDF: 2110555.0/17

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 708.424+/-0.187 χ^2/NDF: 2884045.9/20

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

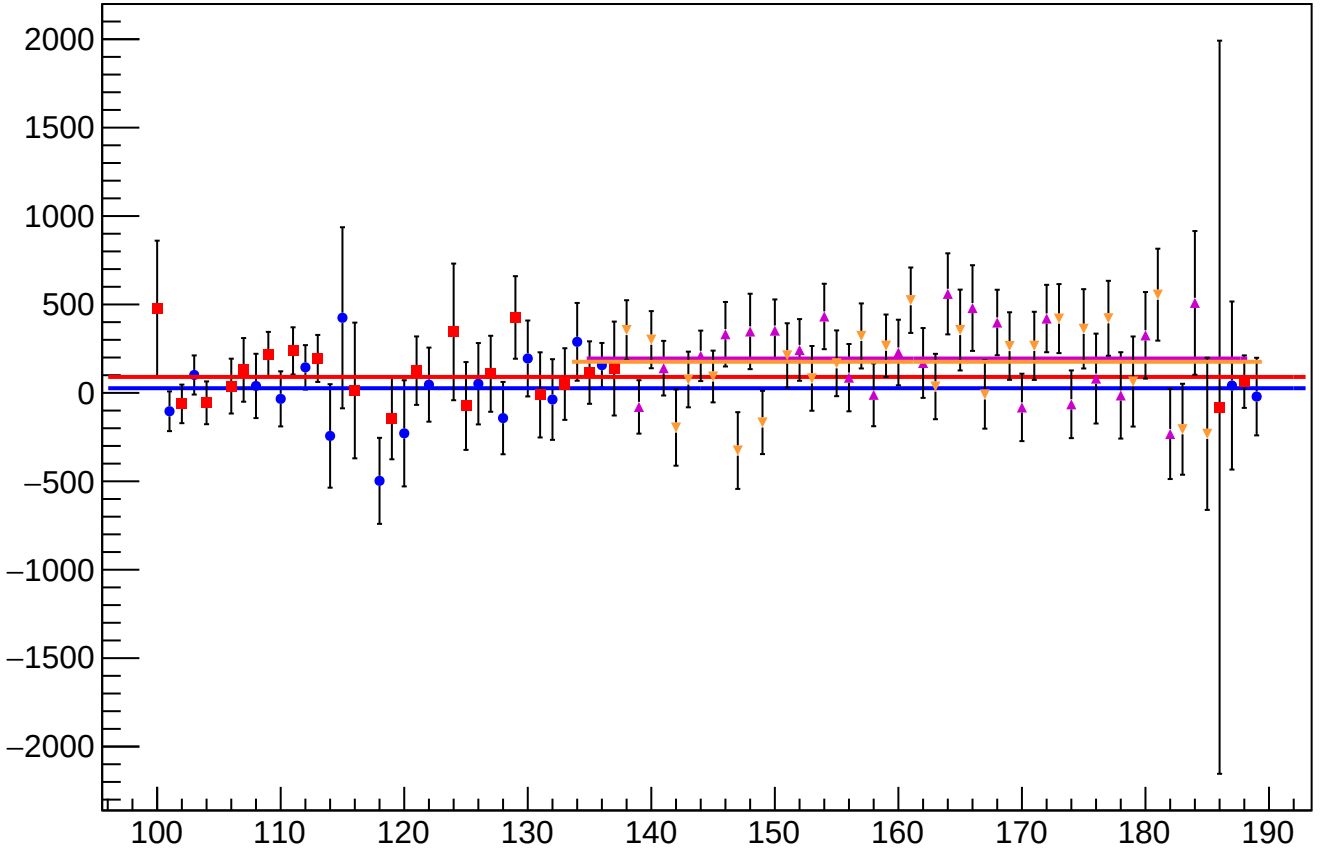
Right: 727.919+/-0.138 χ^2/NDF: 5018412.6/38

In: 887.090+/-0.127 χ^2/NDF:3340953.7/40

Out: 865.577+/-0.121 χ^2/NDF:4532791.2/45

All: 875.814+/-0.088 χ^2/NDF: 7888790.8/86

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 26.370+/-42.442 χ^2/NDF: 13.6/17

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 90.191+/-39.098 χ^2/NDF: 11.7/20

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

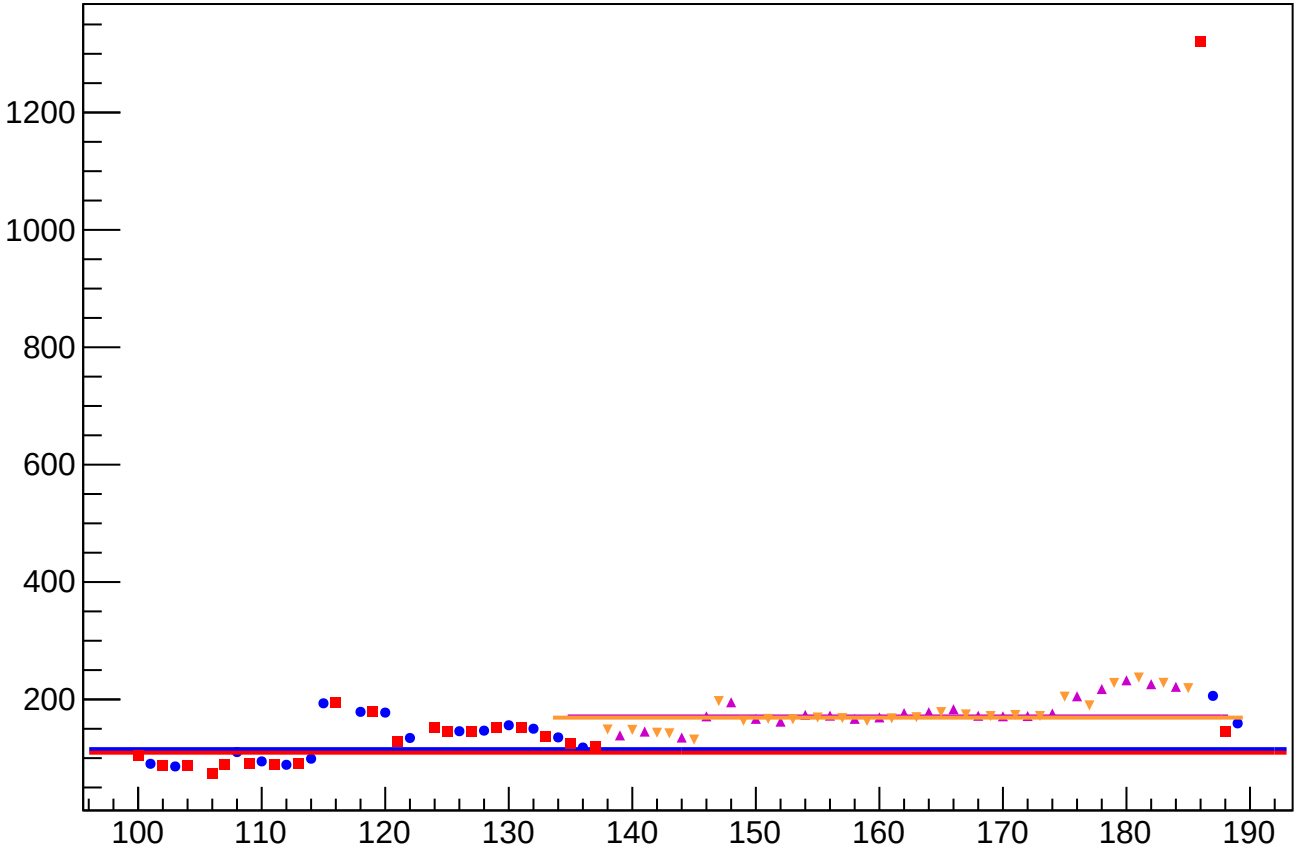
Right: 60.893+/-28.756 χ^2/NDF: 26.6/38

In: 114.518+/-29.256 χ^2/NDF:45.7/40

Out: 133.388+/-27.554 χ^2/NDF:44.9/45

All: 124.518+/-20.058 χ^2/NDF: 90.8/86

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.321+/-0.030 χ^2/NDF: 1031689.6/17

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 109.303+/-0.028 χ^2/NDF: 1814648.2/20

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

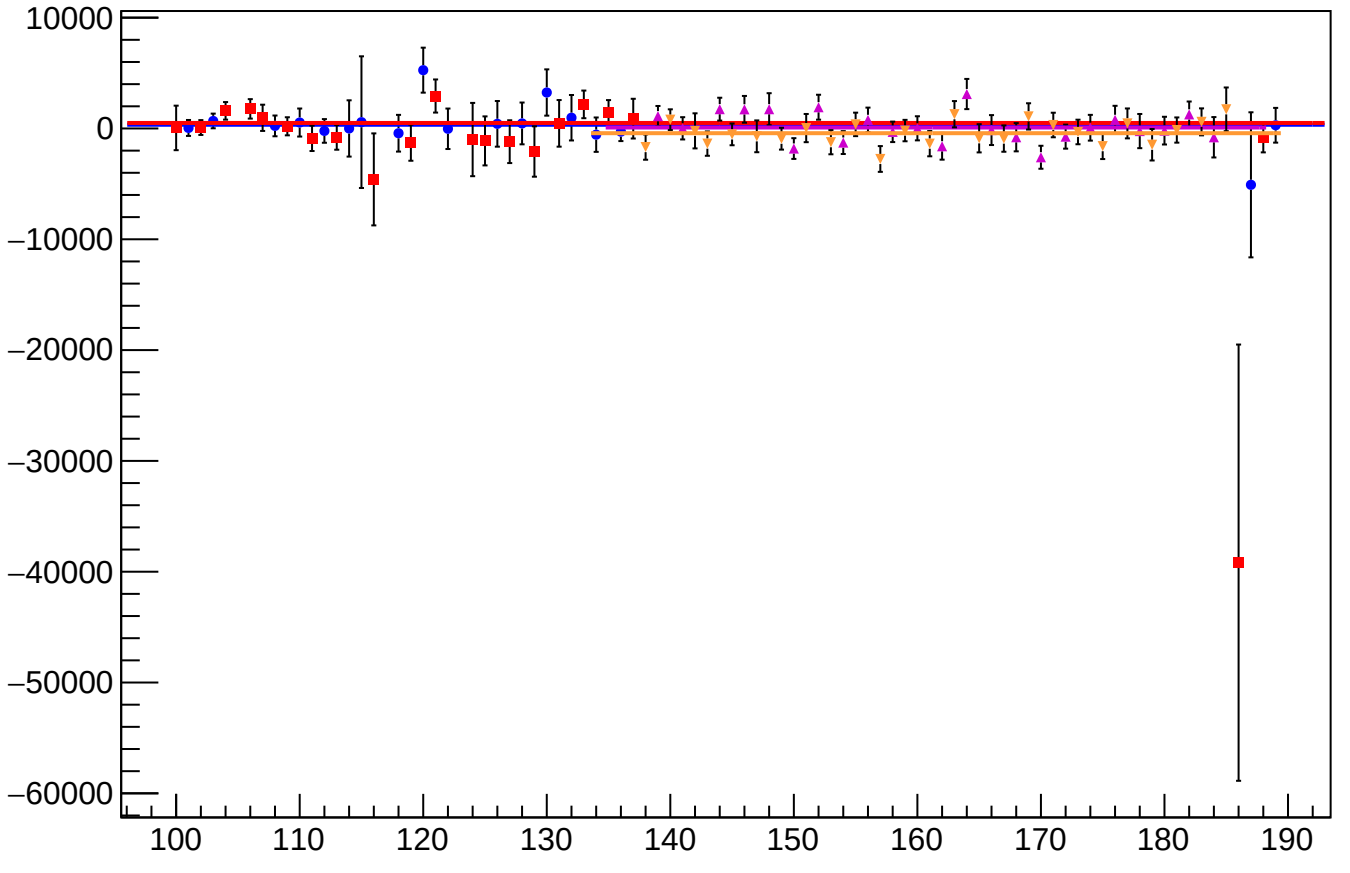
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 112.065+/-0.020 χ^2/NDF: 2868088.9/38

In: 144.554+/-0.021 χ^2/NDF:3517718.4/40

Out: 139.356+/-0.019 χ^2/NDF:4936163.0/45

All: 141.799+/-0.014 χ^2/NDF: 8487341.4/86



Right In: 335.578+/-299.384 χ^2/NDF: 10.5/17

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 497.137+/-273.069 χ^2/NDF: 23.5/20

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

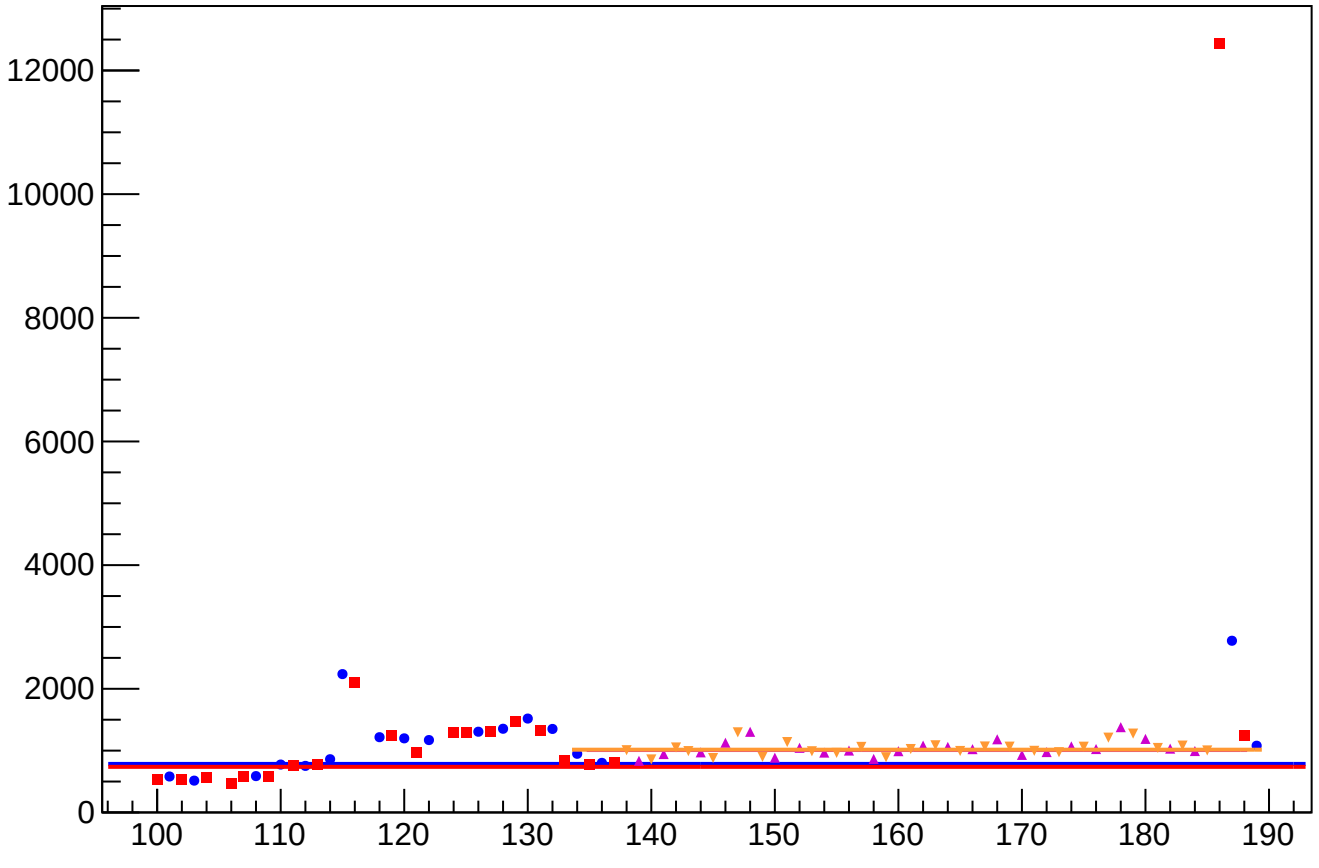
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 423.769+/-201.752 χ^2/NDF: 34.1/38

In: 183.022+/-186.378 χ^2/NDF:43.3/40

Out: -37.812+/-177.052 χ^2/NDF:48.5/45

All: 66.942+/-128.365 χ^2/NDF: 92.5/86



Right In: 785.051+/-0.212 χ^2/NDF: 2000744.7/17

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 737.687+/-0.193 χ^2/NDF: 2780672.3/20

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

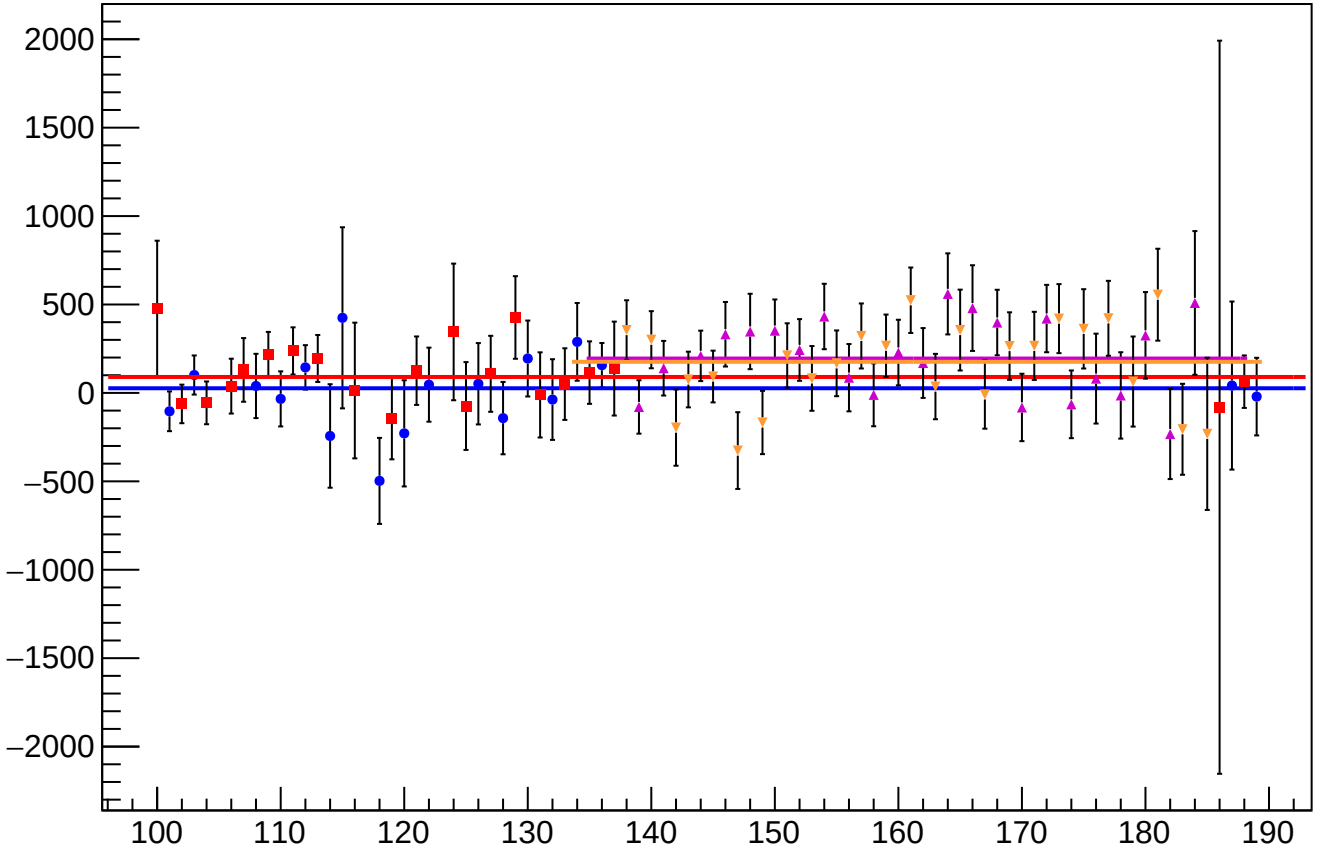
Right: 759.196+/-0.143 χ^2/NDF: 4808741.4/38

In: 922.620+/-0.132 χ^2/NDF:3189041.3/40

Out: 898.446+/-0.125 χ^2/NDF:4374552.2/45

All: 909.913+/-0.091 χ^2/NDF: 7581279.7/86

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 26.369+/-42.442 χ^2/NDF: 13.6/17

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 90.191+/-39.098 χ^2/NDF: 11.7/20

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

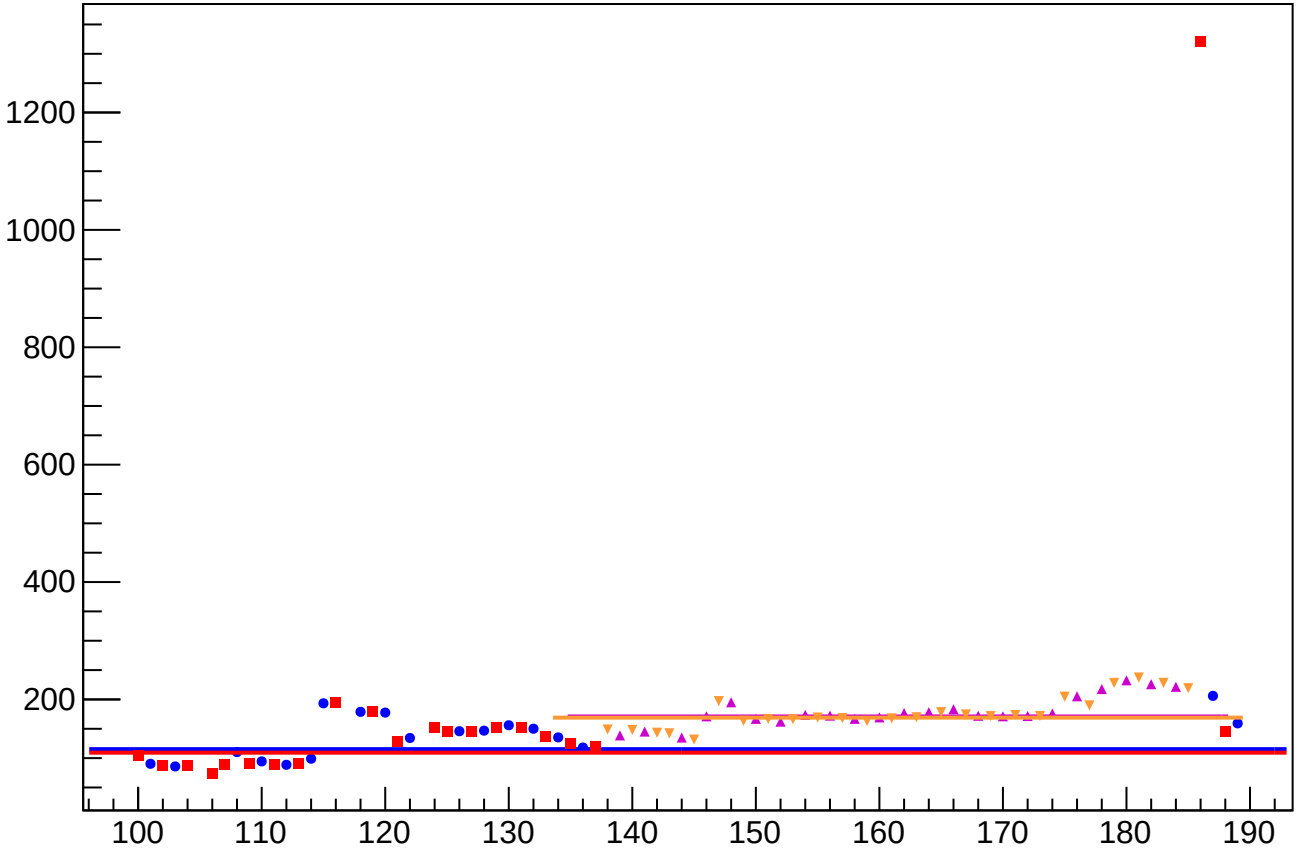
Right: 60.893+/-28.756 χ^2/NDF: 26.6/38

In: 114.517+/-29.256 χ^2/NDF:45.7/40

Out: 133.388+/-27.554 χ^2/NDF:44.9/45

All: 124.518+/-20.058 χ^2/NDF: 90.8/86

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.320+/-0.030 χ^2/NDF: 1031690.3/17

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 109.303+/-0.028 χ^2/NDF: 1814640.0/20

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

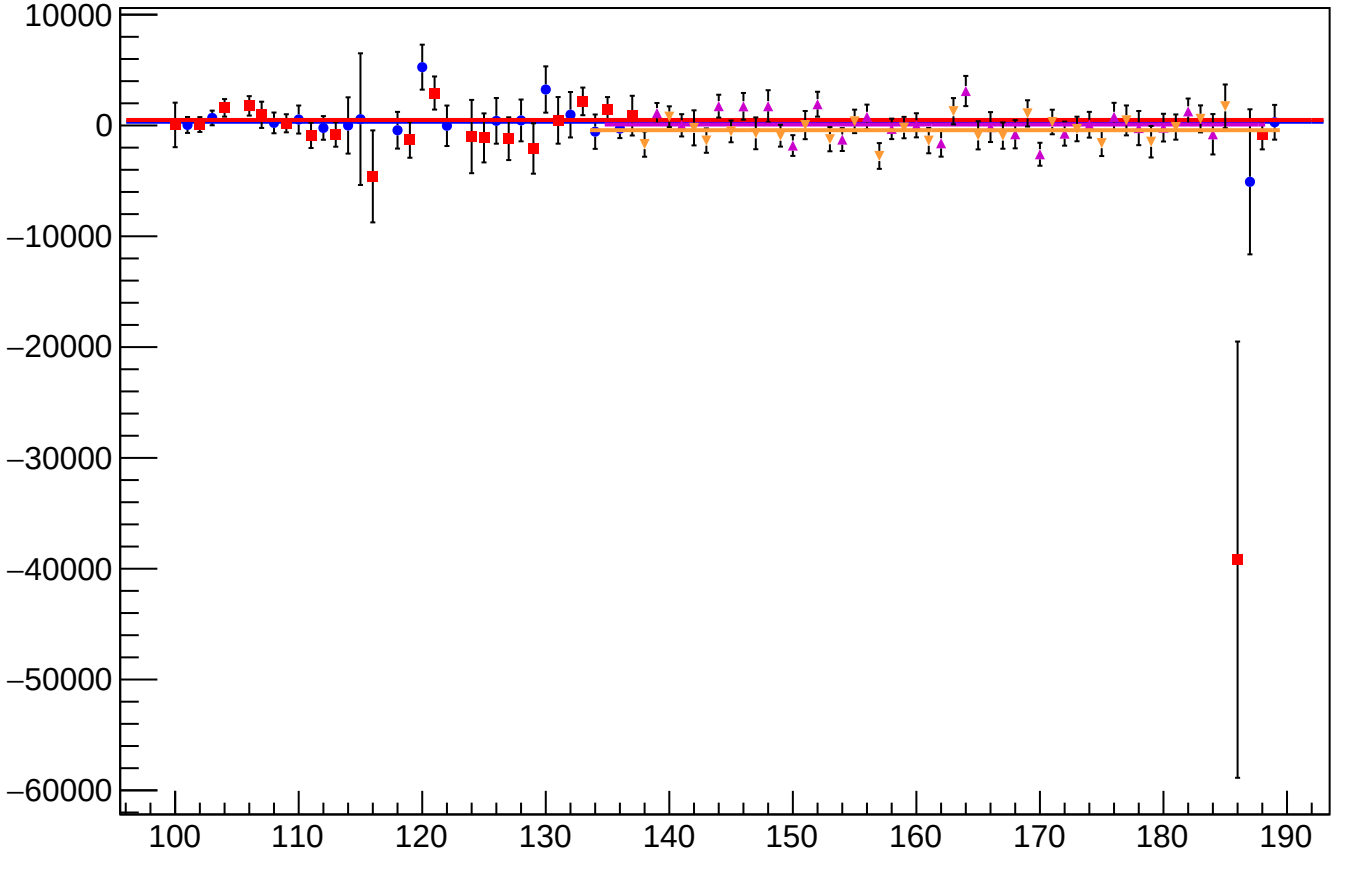
Right: 112.065+/-0.020 χ^2/NDF: 2868080.8/38

In: 144.554+/-0.021 χ^2/NDF:3517746.4/40

Out: 139.356+/-0.019 χ^2/NDF:4936169.9/45

All: 141.799+/-0.014 χ^2/NDF: 8487376.5/86

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 335.577+/-299.384 χ^2/NDF: 10.5/17

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 497.138+/-273.069 χ^2/NDF: 23.5/20

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

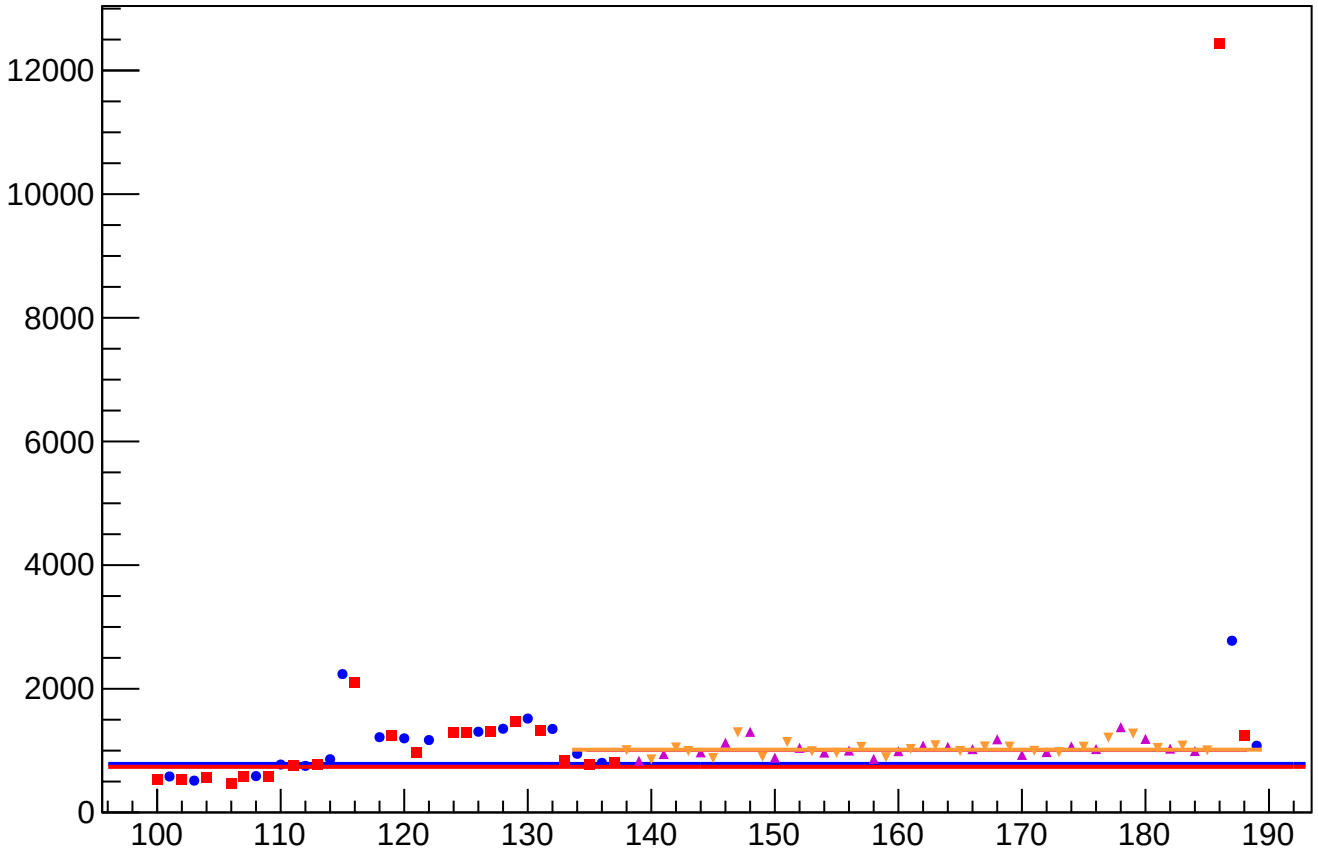
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 423.769+/-201.752 χ^2/NDF: 34.1/38

In: 183.022+/-186.378 χ^2/NDF:43.3/40

Out: -37.810+/-177.052 χ^2/NDF:48.5/45

All: 66.944+/-128.365 χ^2/NDF: 92.5/86



Right In: 785.050+/-0.212 χ^2/NDF: 2000744.1/17

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 737.686+/-0.193 χ^2/NDF: 2780670.1/20

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

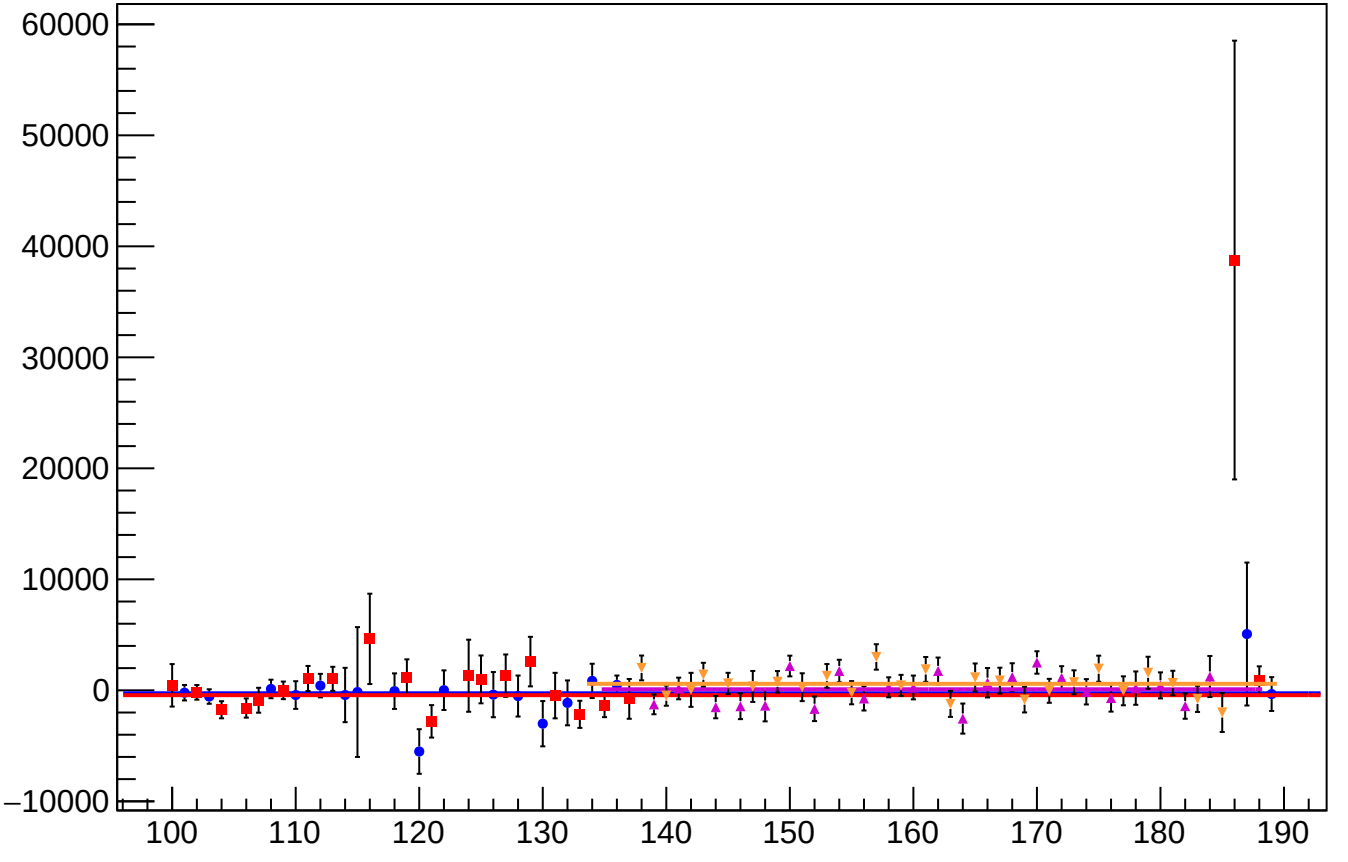
Right: 759.195+/-0.143 χ^2/NDF: 4808738.5/38

In: 922.620+/-0.132 χ^2/NDF:3189056.4/40

Out: 898.445+/-0.125 χ^2/NDF:4374567.9/45

All: 909.913+/-0.091 χ^2/NDF: 7581310.8/86

asym_sam5_mean vs Slug, Sign Corrected



Right In: -267.463+/-290.941 χ^2/NDF: 11.8/17

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -436.927+/-267.118 χ^2/NDF: 25.5/20

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

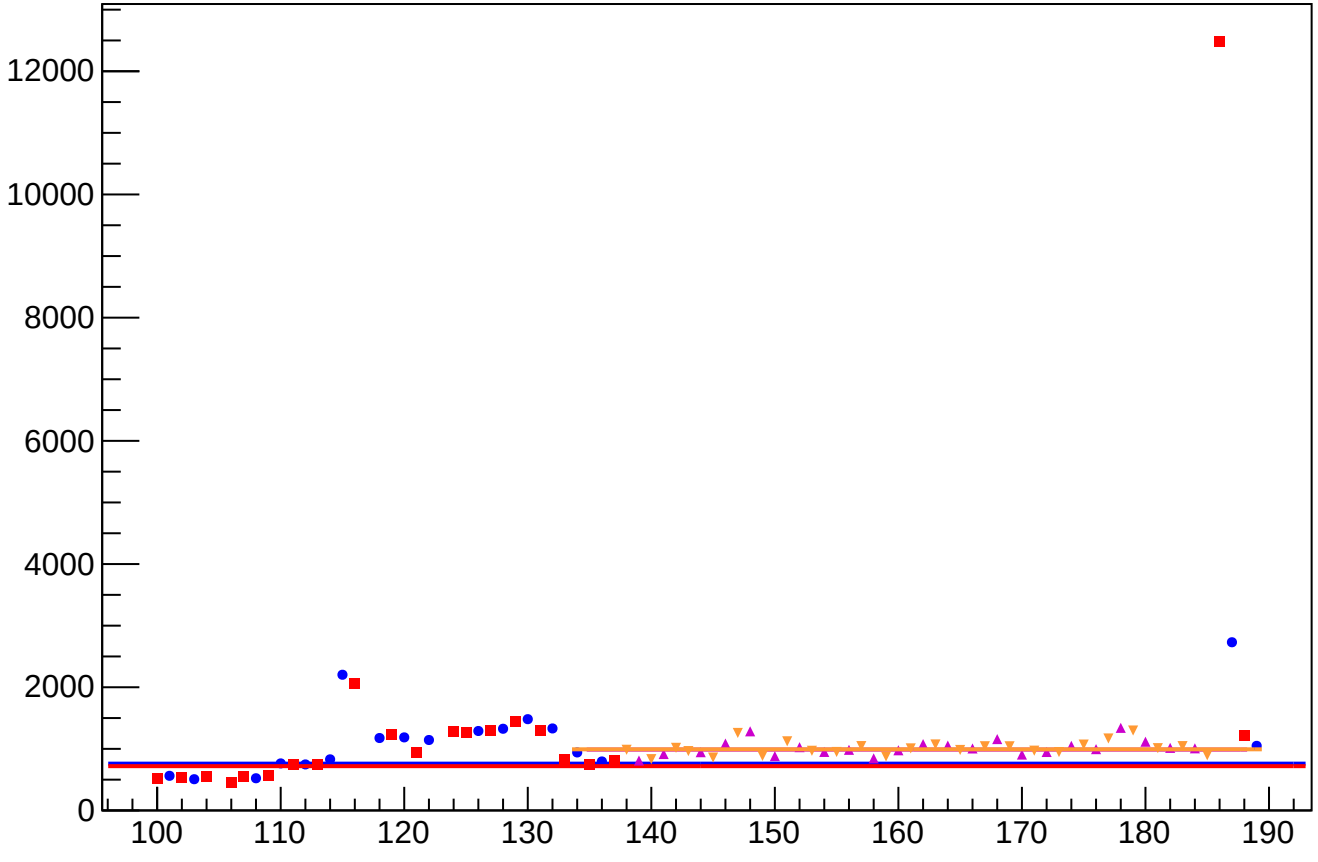
Right: -359.416+/-196.765 χ^2/NDF: 37.4/38

In: -48.056+/-181.876 χ^2/NDF:47.3/40

Out: 155.872+/-173.235 χ^2/NDF:54.7/45

All: 58.867+/-125.439 χ^2/NDF: 102.7/86

asym_sam5_rms vs Slug, Sign Corrected



Right In: 759.914+/-0.206 χ^2/NDF: 2086844.4/17

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 718.970+/-0.189 χ^2/NDF: 2831462.4/20

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

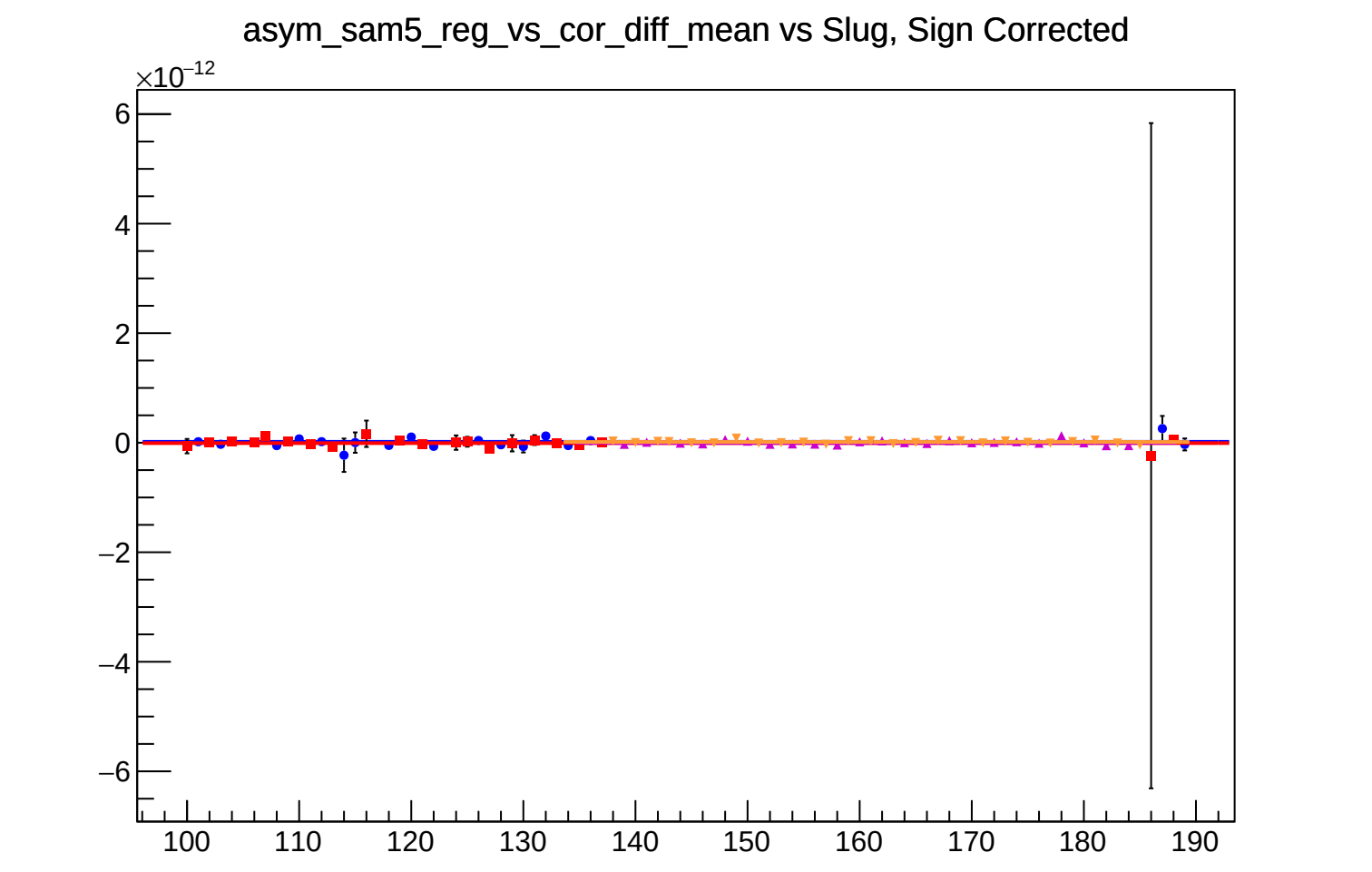
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 737.697+/-0.139 χ^2/NDF: 4939799.0/38

In: 898.735+/-0.129 χ^2/NDF:3321997.2/40

Out: 877.483+/-0.122 χ^2/NDF:4471905.6/45

All: 887.592+/-0.089 χ^2/NDF: 7808219.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/20

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

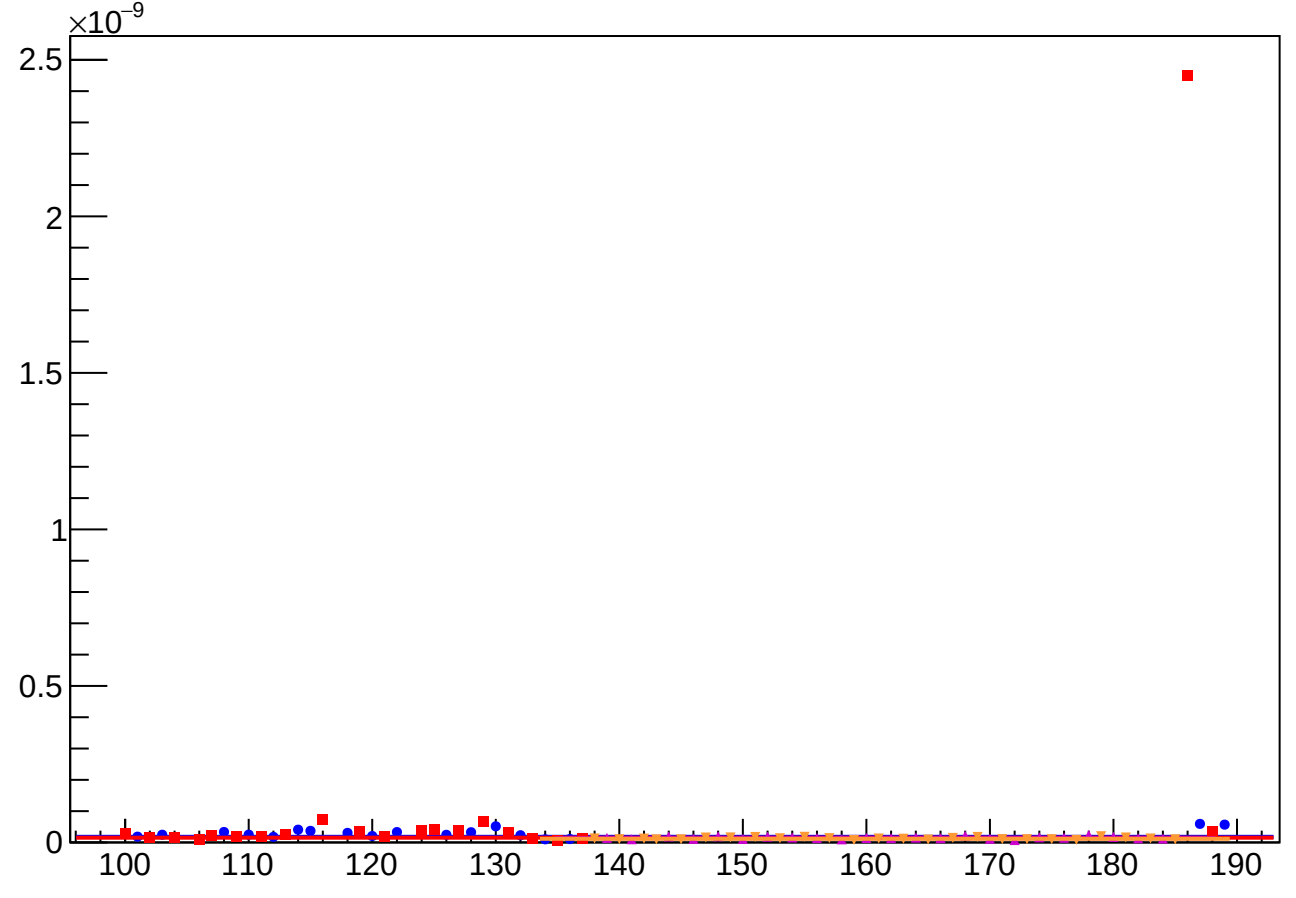
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 37.3/38

In: 0.000+/-0.000 χ^2/NDF:49.8/40

Out: 0.000+/-0.000 χ^2/NDF:42.6/45

All: 0.000+/-0.000 χ^2/NDF: 94.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 1475725.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2298354.5/20

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

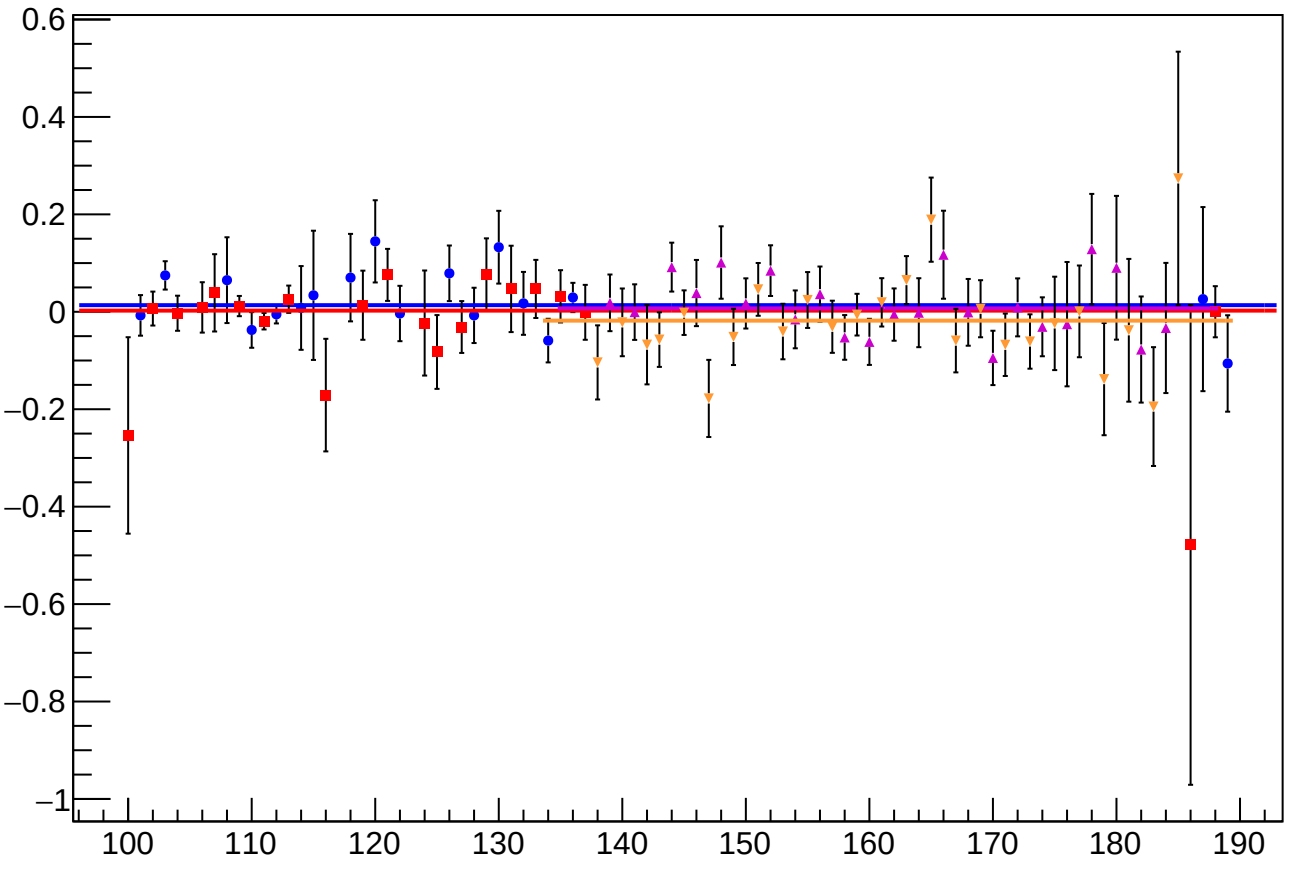
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 3852796.7/38

In: 0.000+/-0.000 χ^2/NDF:2629677.9/40

Out: 0.000+/-0.000 χ^2/NDF:3292420.3/45

All: 0.000+/-0.000 χ^2/NDF: 6107347.4/86



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

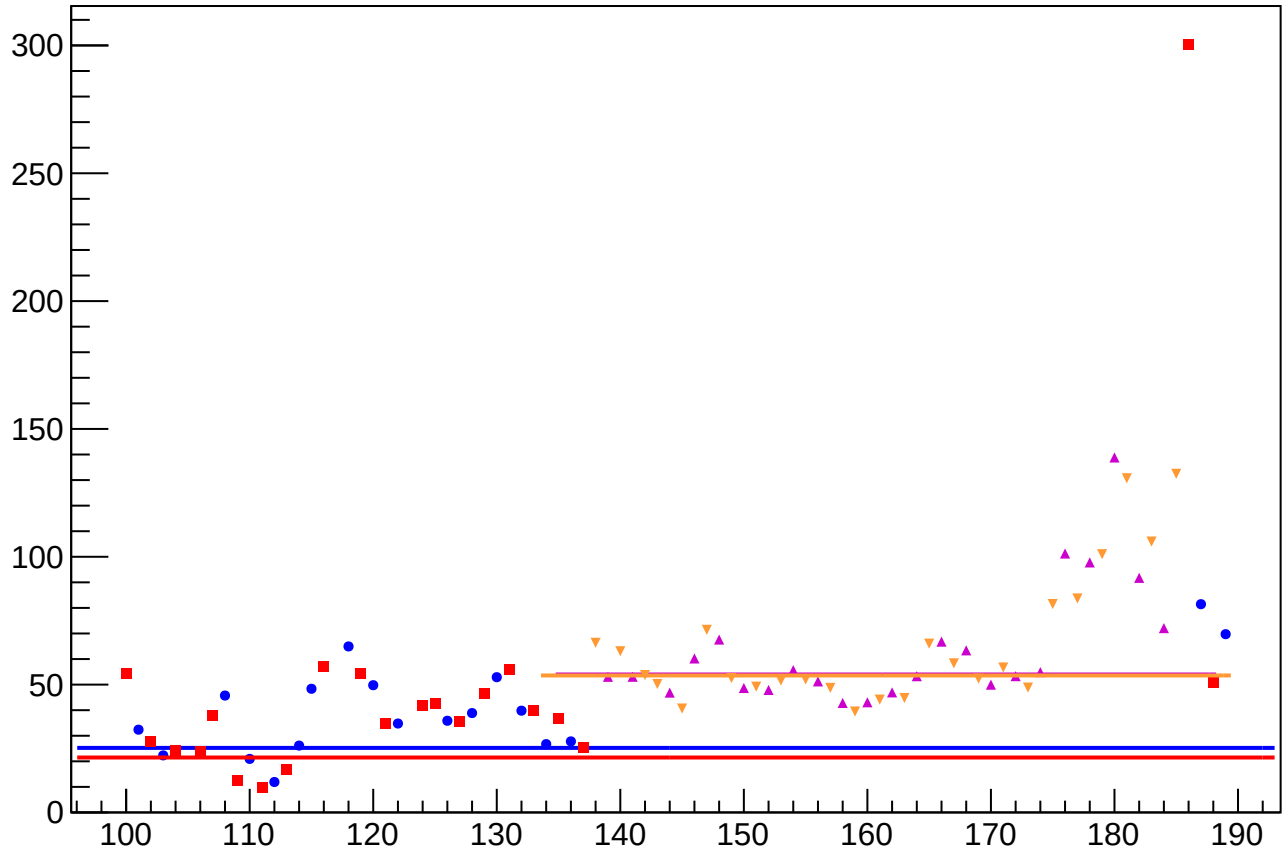
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.007+/-0.007 χ^2/NDF: 33.3/38

In: 0.011+/-0.008 χ^2/NDF:38.1/40

Out: -0.004+/-0.007 χ^2/NDF:39.5/45

All: 0.002+/-0.006 χ^2/NDF: 79.5/86



Right In: 25.251+/-0.007 χ^2/NDF: 3073703.9/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 21.490+/-0.006 χ^2/NDF: 4871513.4/20

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

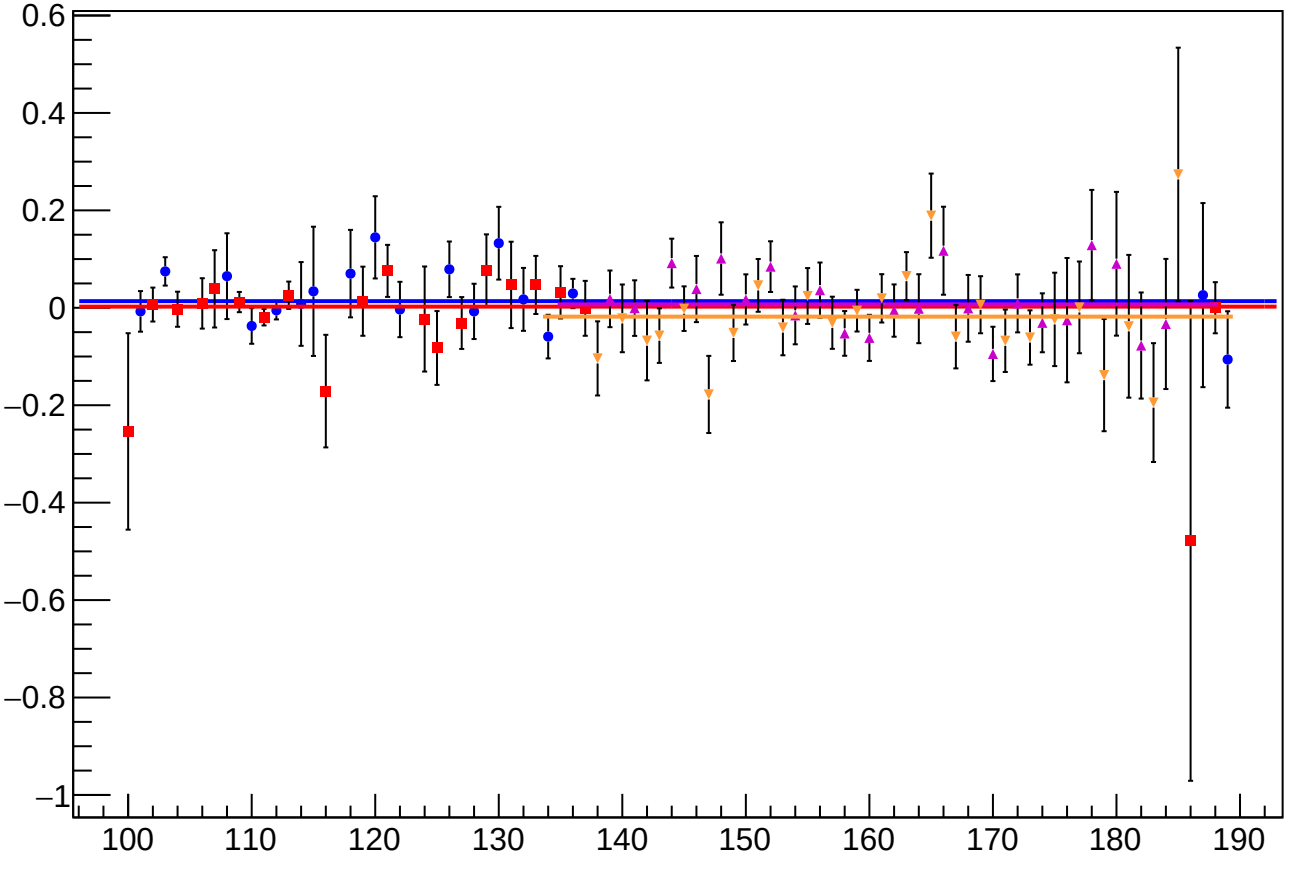
Right: 23.099+/-0.005 χ^2/NDF: 8091799.9/38

In: 36.399+/-0.006 χ^2/NDF:10906816.7/40

Out: 32.241+/-0.005 χ^2/NDF:15873491.3/45

All: 34.104+/-0.004 χ^2/NDF: 27062657.1/86

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

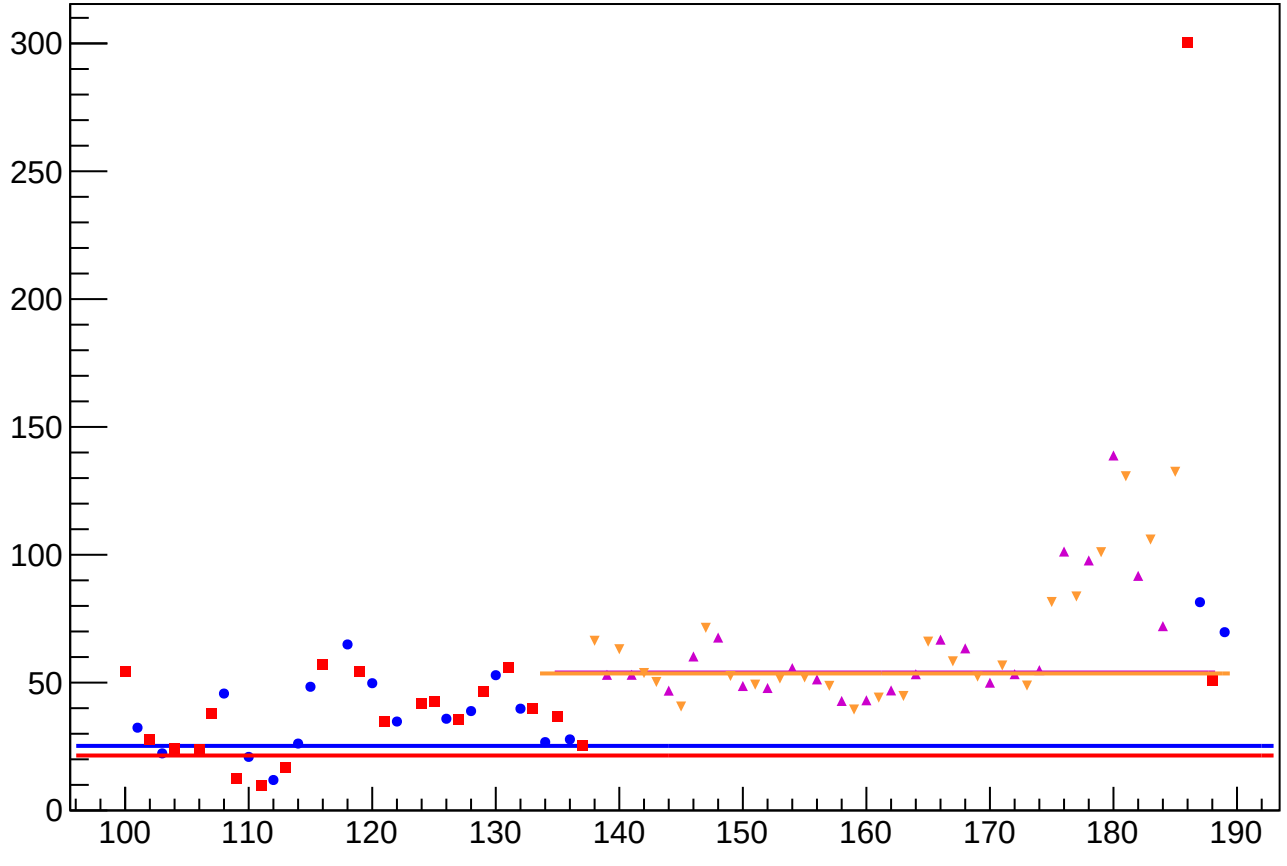
Right: 0.007+/-0.007 χ^2/NDF: 33.3/38

In: 0.011+/-0.008 χ^2/NDF:38.1/40

Out: -0.004+/-0.007 χ^2/NDF:39.5/45

All: 0.002+/-0.006 χ^2/NDF: 79.5/86

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.251+/-0.007 χ^2/NDF: 3073703.9/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 21.490+/-0.006 χ^2/NDF: 4871513.4/20

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

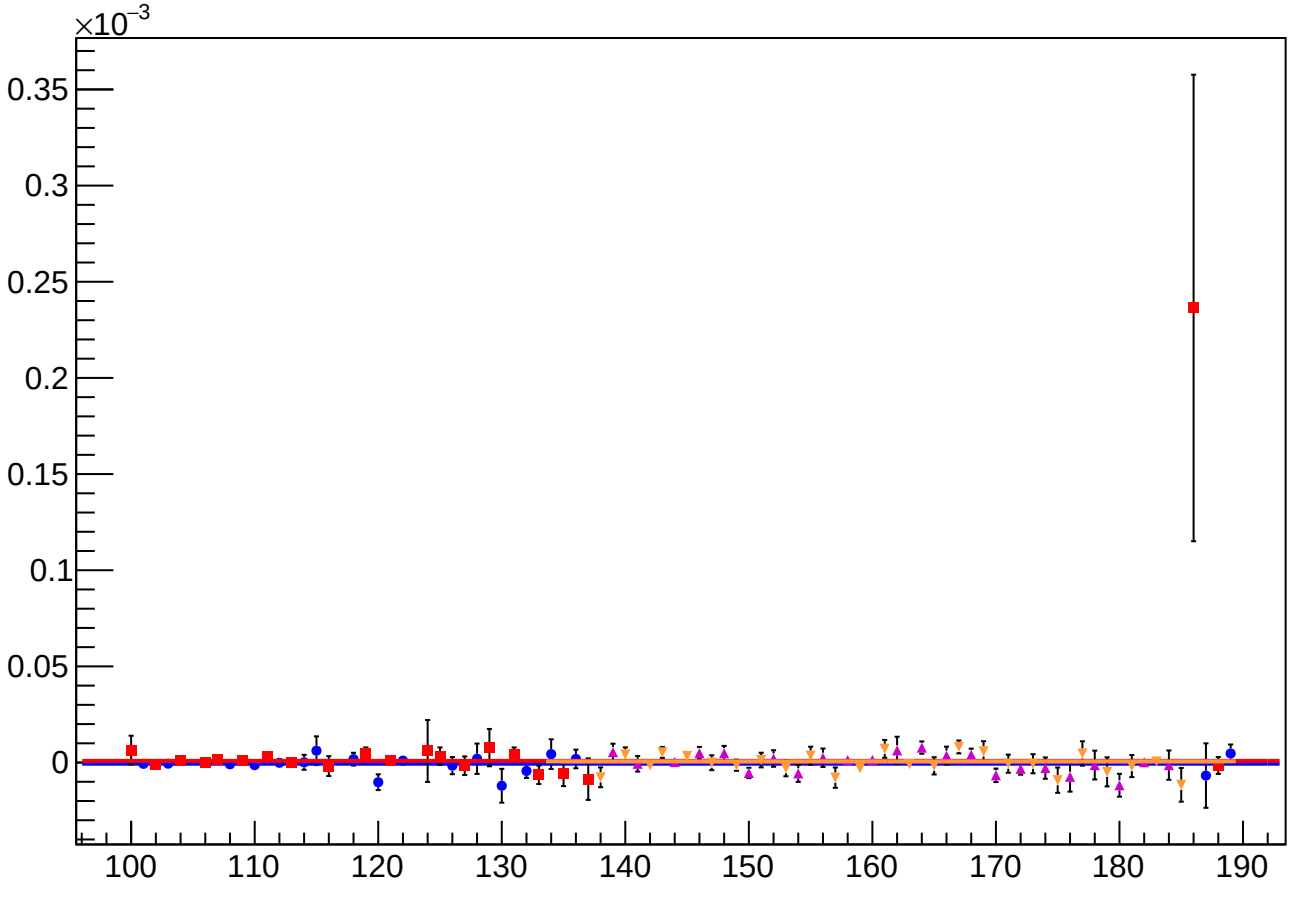
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 23.099+/-0.005 χ^2/NDF: 8091799.9/38

In: 36.399+/-0.006 χ^2/NDF:10906816.7/40

Out: 32.241+/-0.005 χ^2/NDF:15873491.3/45

All: 34.104+/-0.004 χ^2/NDF: 27062657.1/86



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/20

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

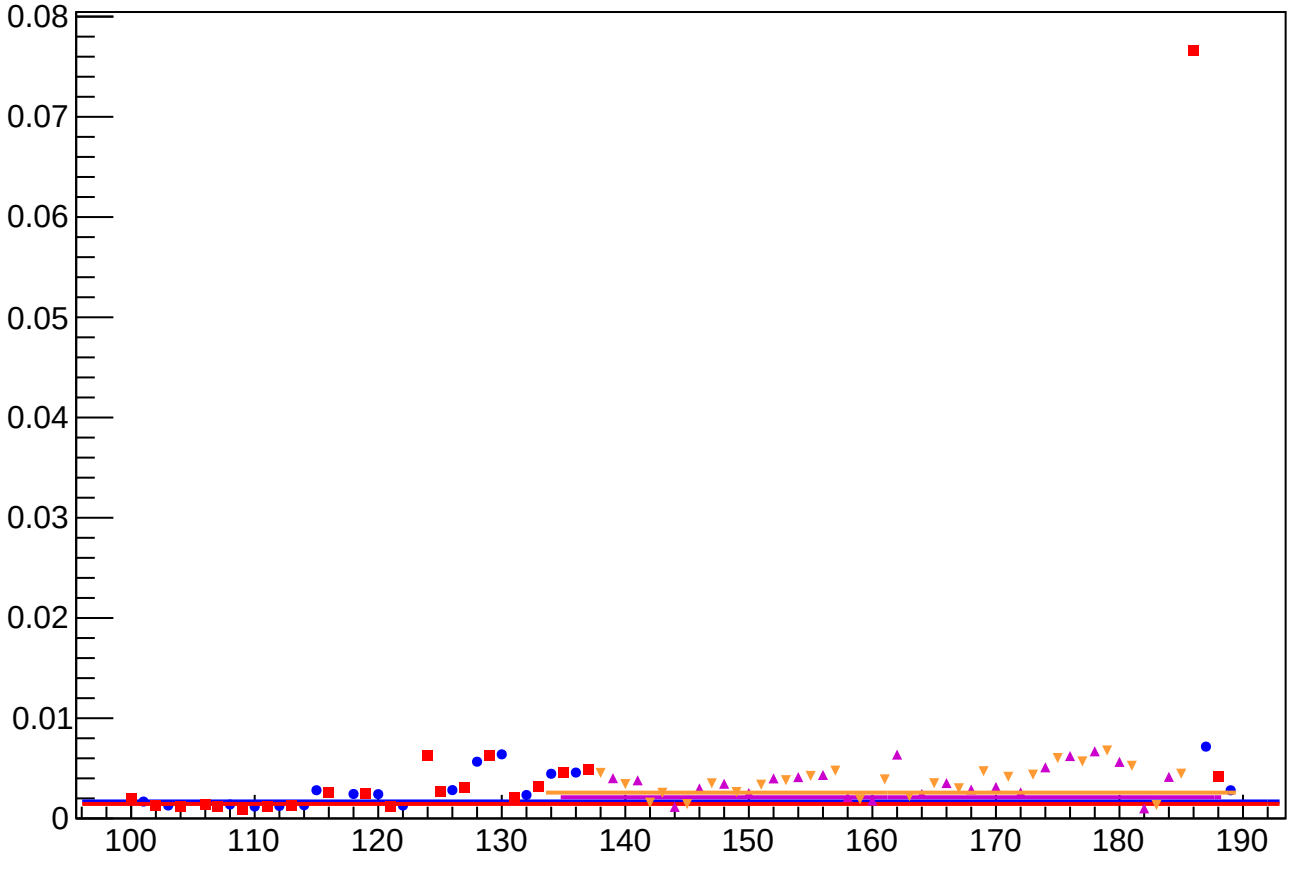
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 31.3/38

In: -0.000+/-0.000 χ^2/NDF:44.8/40

Out: 0.000+/-0.000 χ^2/NDF:47.0/45

All: 0.000+/-0.000 χ^2/NDF: 93.4/86



Right In: 0.002+/-0.000 χ^2/NDF: 3273286.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4465625.7/20

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

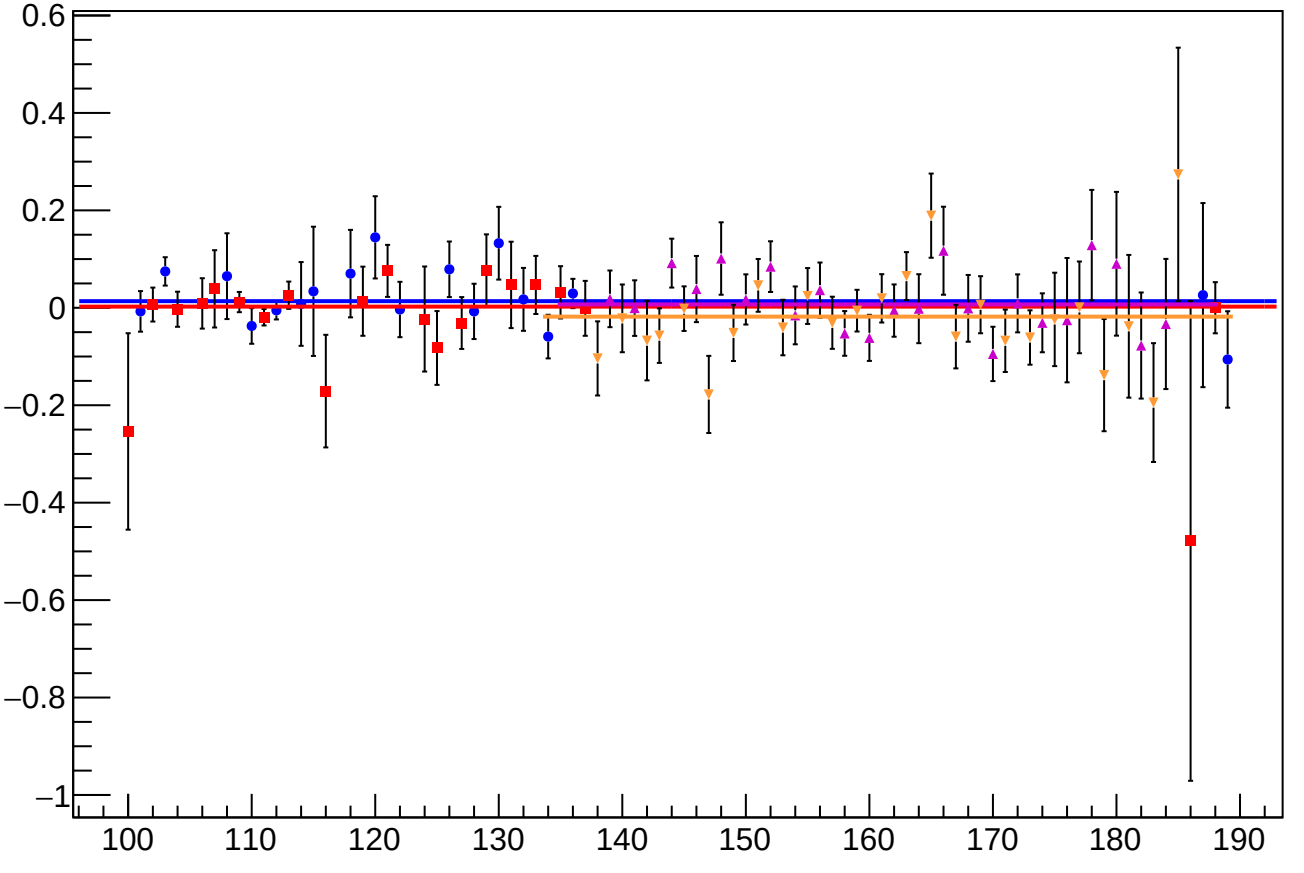
Right: 0.002+/-0.000 χ^2/NDF: 7885301.9/38

In: 0.002+/-0.000 χ^2/NDF:13186456.8/40

Out: 0.002+/-0.000 χ^2/NDF:14831383.6/45

All: 0.002+/-0.000 χ^2/NDF: 28017842.7/86

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

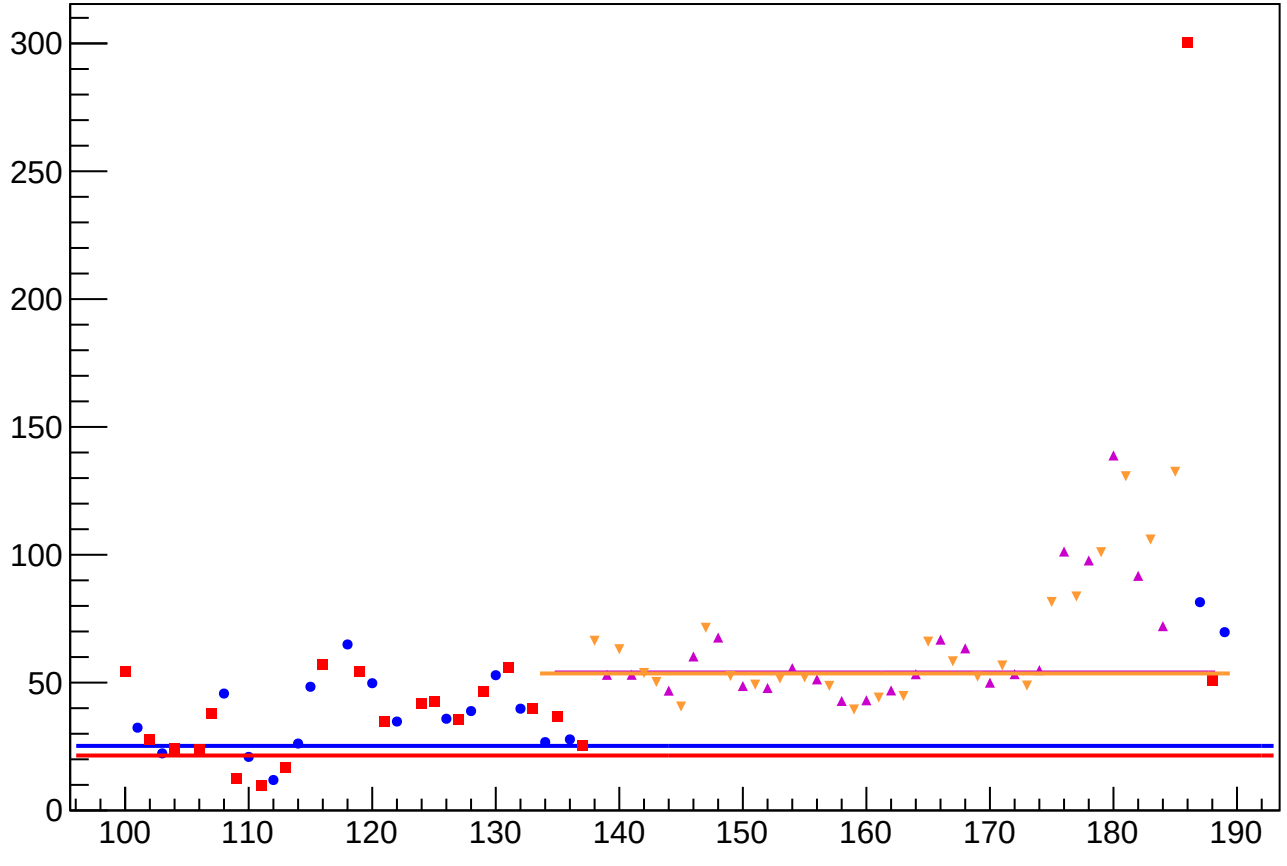
Right: 0.007+/-0.007 χ^2/NDF: 33.3/38

In: 0.011+/-0.008 χ^2/NDF:38.1/40

Out: -0.004+/-0.007 χ^2/NDF:39.5/45

All: 0.002+/-0.006 χ^2/NDF: 79.5/86

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.251+/-0.007 χ^2/NDF: 3073668.4/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 21.490+/-0.006 χ^2/NDF: 4871519.5/20

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

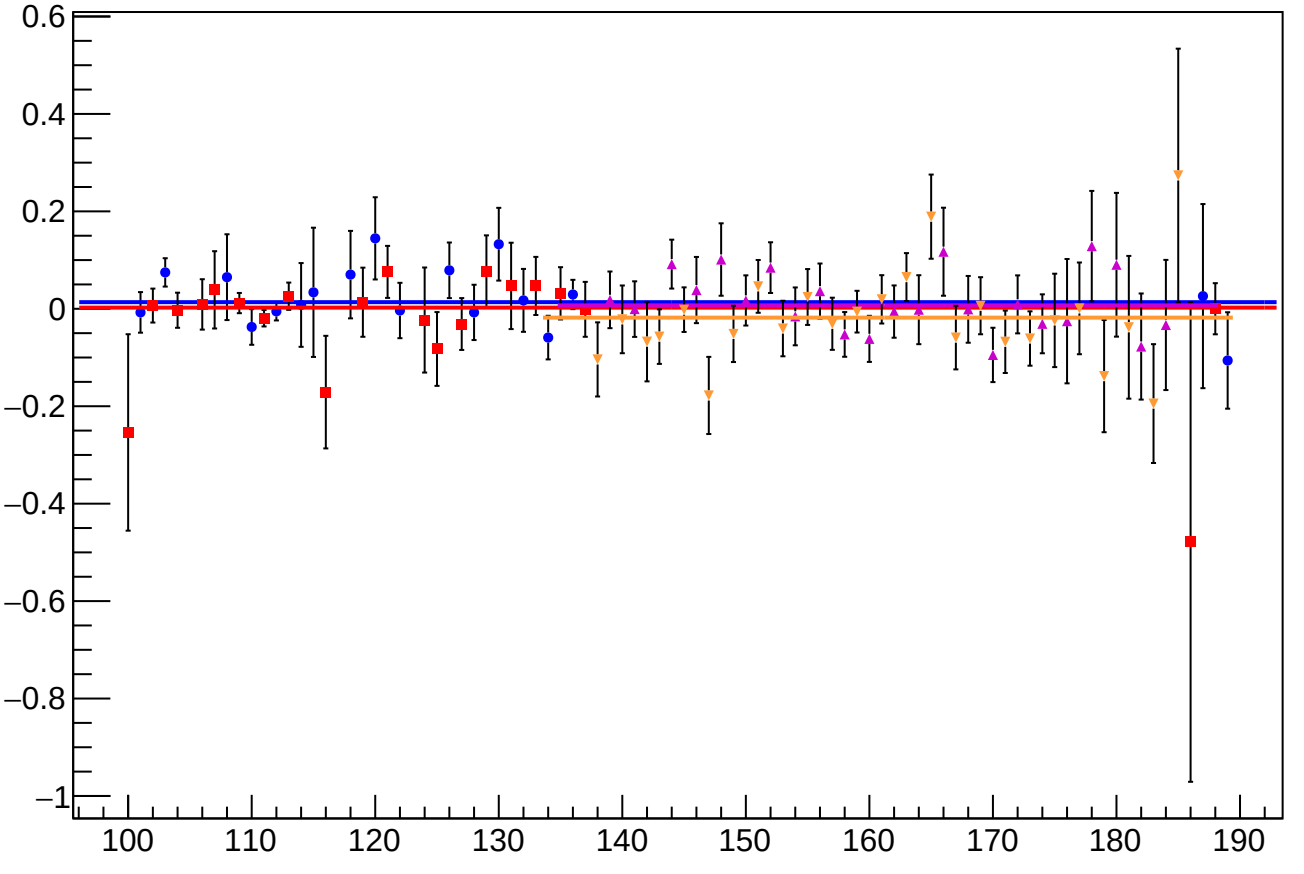
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 23.098+/-0.005 χ^2/NDF: 8091777.9/38

In: 36.398+/-0.006 χ^2/NDF:10907204.7/40

Out: 32.240+/-0.005 χ^2/NDF:15874025.9/45

All: 34.103+/-0.004 χ^2/NDF: 27063596.3/86



Right In: 0.014+/-0.011 χ^2/NDF: 19.3/17

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

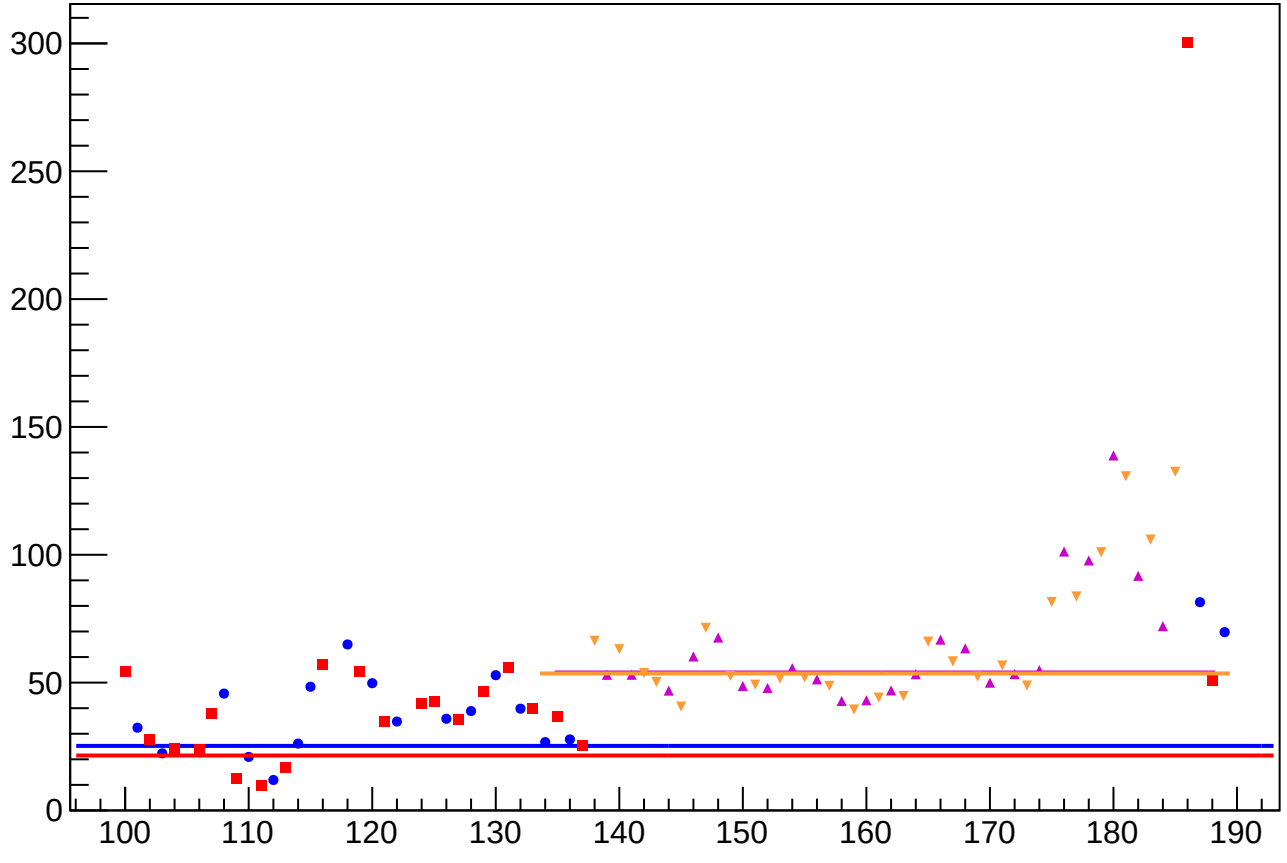
Right: 0.007+/-0.007 χ^2/NDF: 33.3/38

In: 0.011+/-0.008 χ^2/NDF:38.1/40

Out: -0.004+/-0.007 χ^2/NDF:39.5/45

All: 0.002+/-0.006 χ^2/NDF: 79.5/86

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.251+/-0.007 χ^2/NDF: 3073668.4/17

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 21.490+/-0.006 χ^2/NDF: 4871519.5/20

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

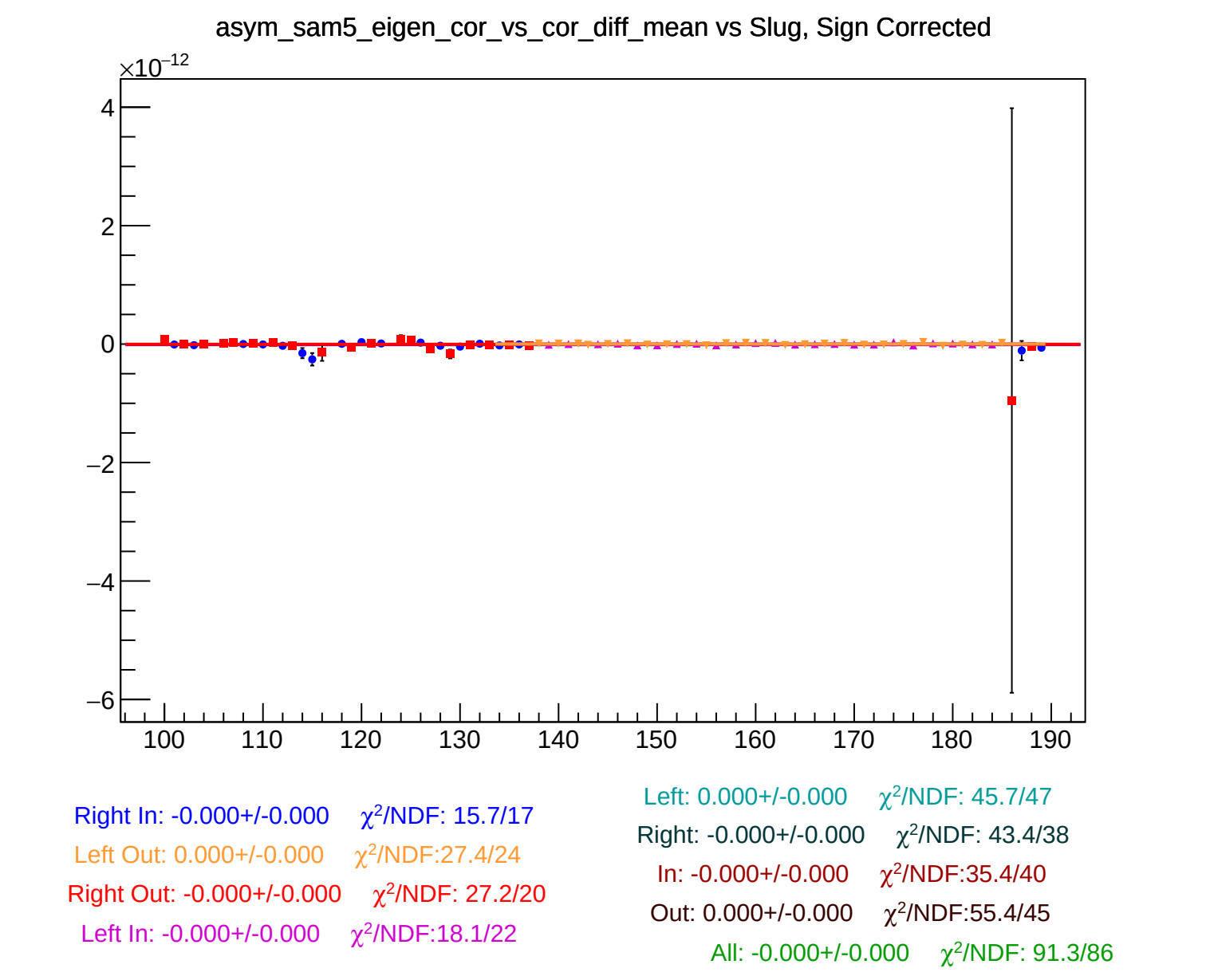
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

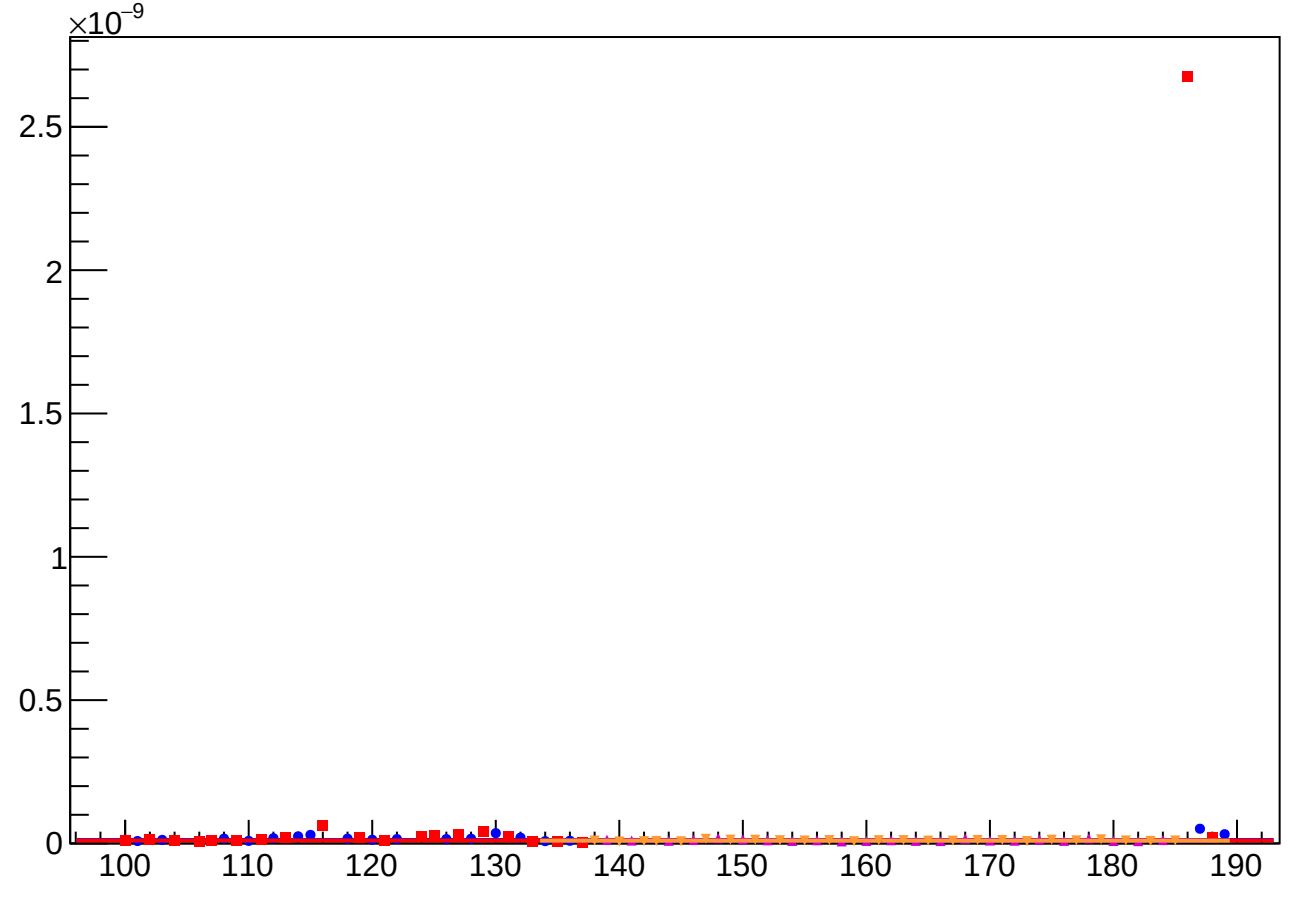
Right: 23.098+/-0.005 χ^2/NDF: 8091777.9/38

In: 36.398+/-0.006 χ^2/NDF:10907204.7/40

Out: 32.240+/-0.005 χ^2/NDF:15874025.9/45

All: 34.103+/-0.004 χ^2/NDF: 27063596.3/86


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.7/17
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.2/20
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 43.4/38
In: -0.000+/-0.000 χ²/NDF:35.4/40
Out: 0.000+/-0.000 χ²/NDF:55.4/45
All: -0.000+/-0.000 χ²/NDF: 91.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 1538299.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3535428.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

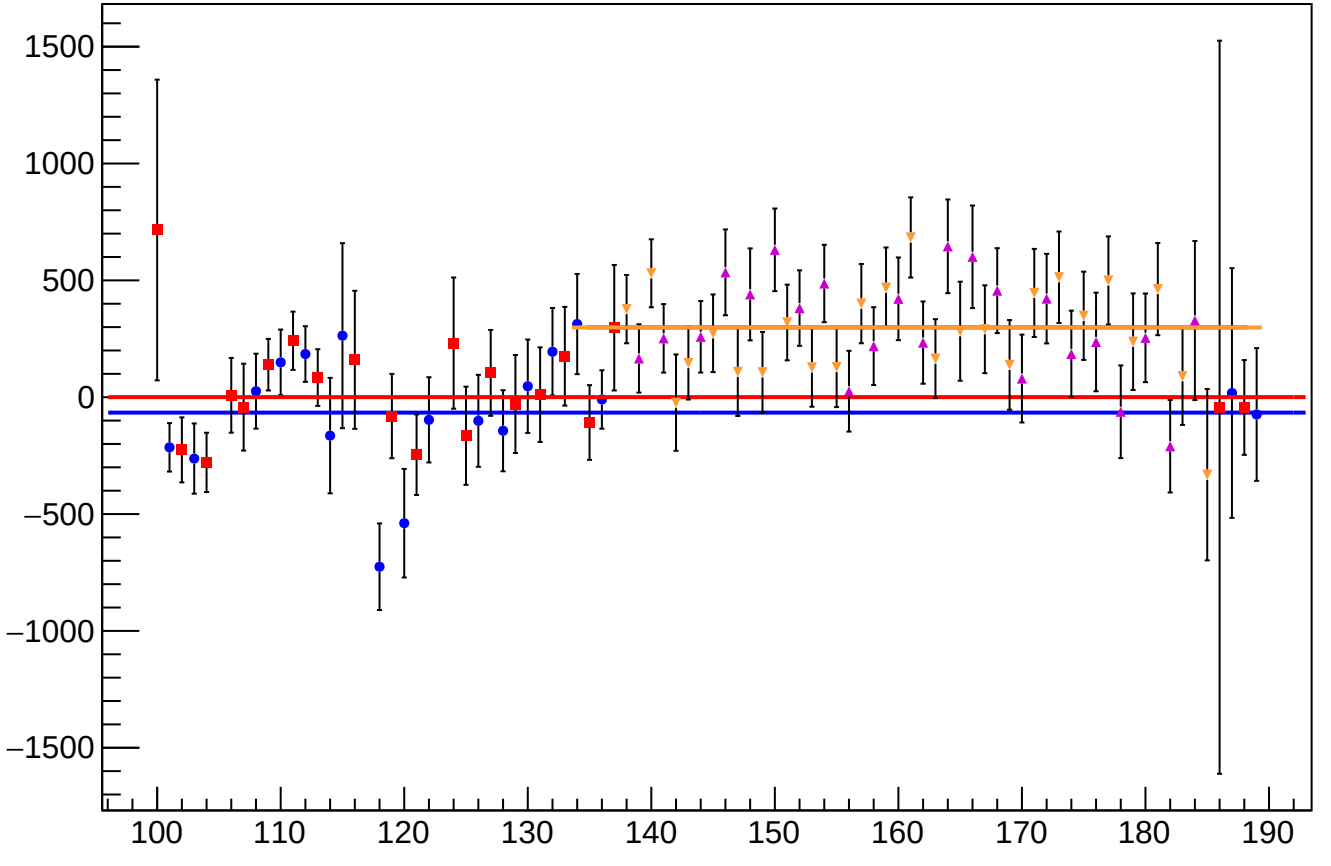
Right: 0.000+/-0.000 χ^2/NDF: 5153375.2/38

In: 0.000+/-0.000 χ^2/NDF:2970455.2/40

Out: 0.000+/-0.000 χ^2/NDF:4739973.9/45

All: 0.000+/-0.000 χ^2/NDF: 7763633.0/86

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.904+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 0.371+/-38.161 χ^2/NDF: 21.2/20

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

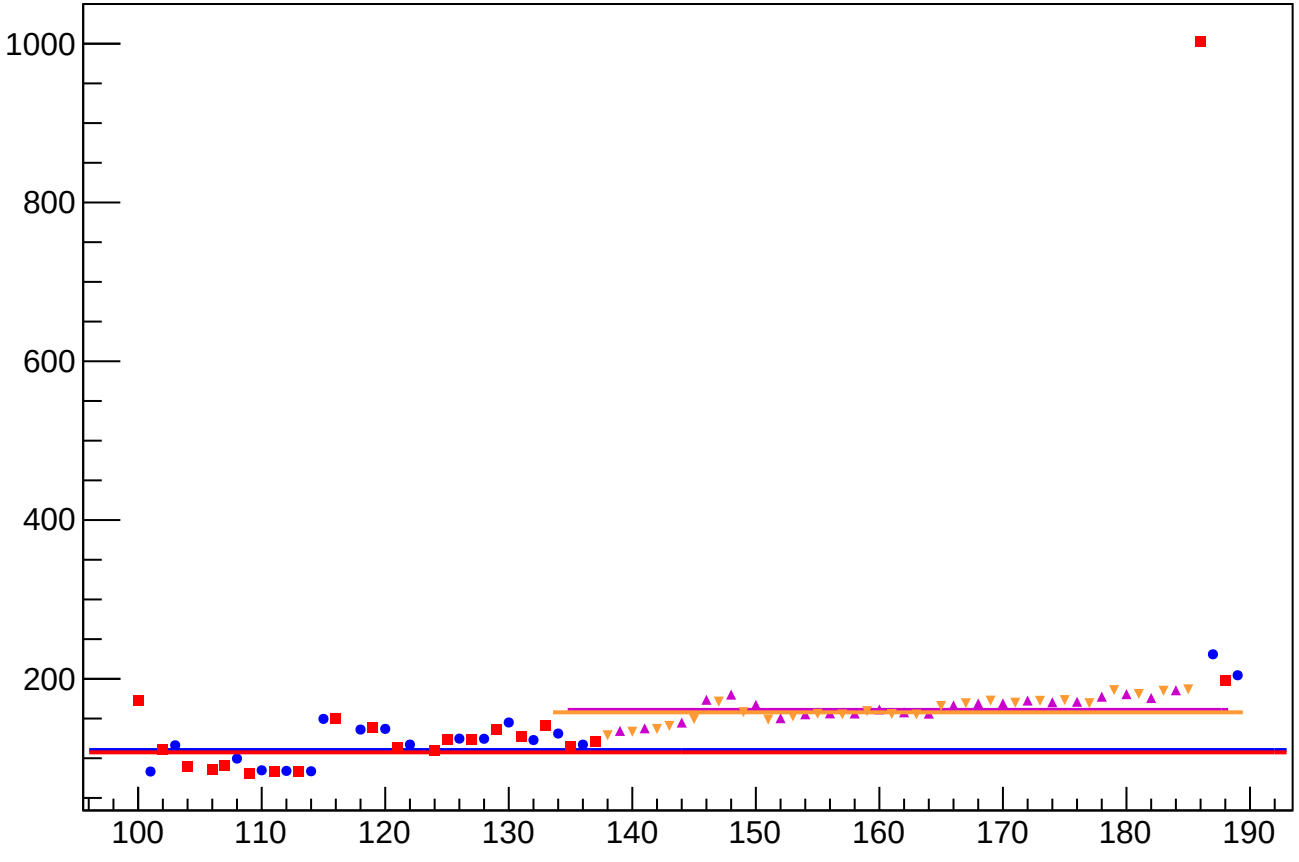
Right: -30.877+/-27.742 χ^2/NDF: 57.0/38

In: 128.856+/-27.574 χ^2/NDF:107.4/40

Out: 157.915+/-26.206 χ^2/NDF:79.4/45

All: 144.124+/-18.996 χ^2/NDF: 187.3/86

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 110.309+/-0.029 χ^2/NDF: 863246.1/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.432+/-0.027 χ^2/NDF: 1689433.9/20

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

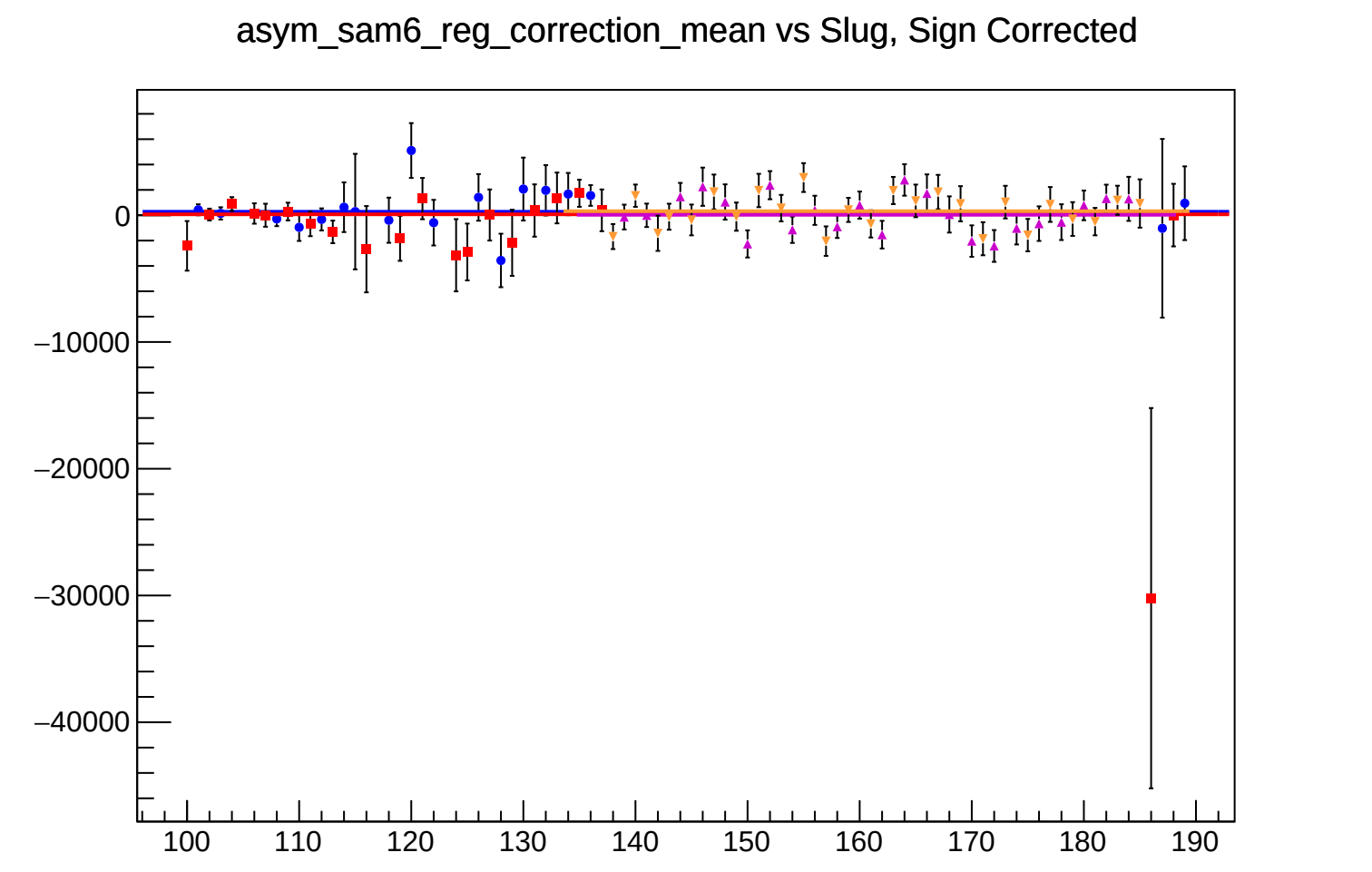
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 108.789+/-0.020 χ^2/NDF: 2558042.4/38

In: 137.321+/-0.019 χ^2/NDF:2805063.8/40

Out: 134.066+/-0.019 χ^2/NDF:3910399.3/45

All: 135.611+/-0.013 χ^2/NDF: 6730108.4/86



Right In: 274.336+/-229.819 χ^2/NDF: 16.6/17

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 72.298+/-231.107 χ^2/NDF: 20.1/20

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

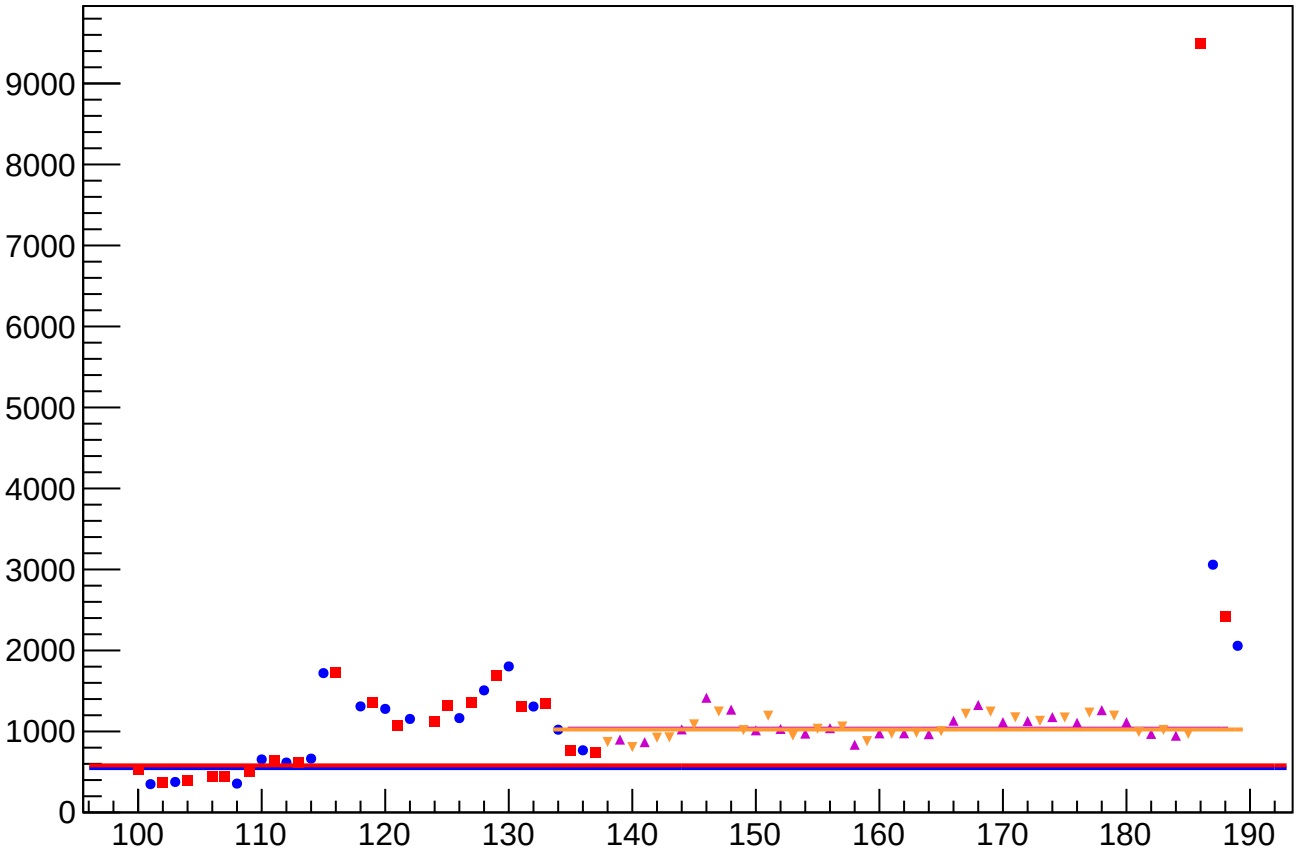
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 173.881+/-162.960 χ^2/NDF: 37.0/38

In: 163.873+/-167.346 χ^2/NDF:51.8/40

Out: 194.010+/-164.805 χ^2/NDF:53.2/45

All: 179.172+/-117.423 χ^2/NDF: 105.0/86



Right In: 547.861+/-0.163 χ^2/NDF: 4430152.1/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 581.196+/-0.163 χ^2/NDF: 4931580.3/20

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

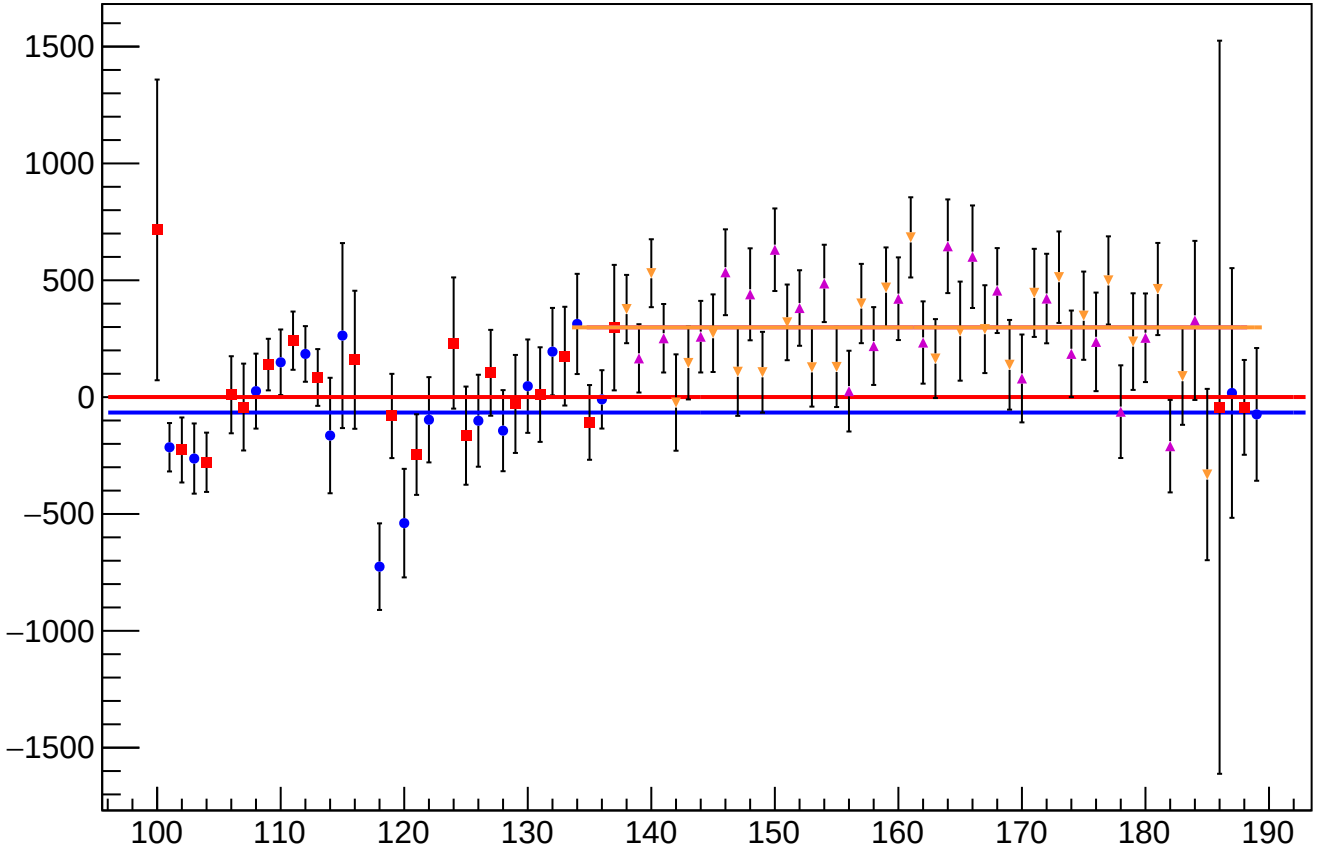
Right: 564.435+/-0.115 χ^2/NDF: 9382653.8/38

In: 776.439+/-0.118 χ^2/NDF:9270131.2/40

Out: 799.063+/-0.117 χ^2/NDF:9145739.5/45

All: 787.924+/-0.083 χ^2/NDF: 18434426.3/86

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.929+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 0.407+/-38.227 χ^2/NDF: 21.2/20

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

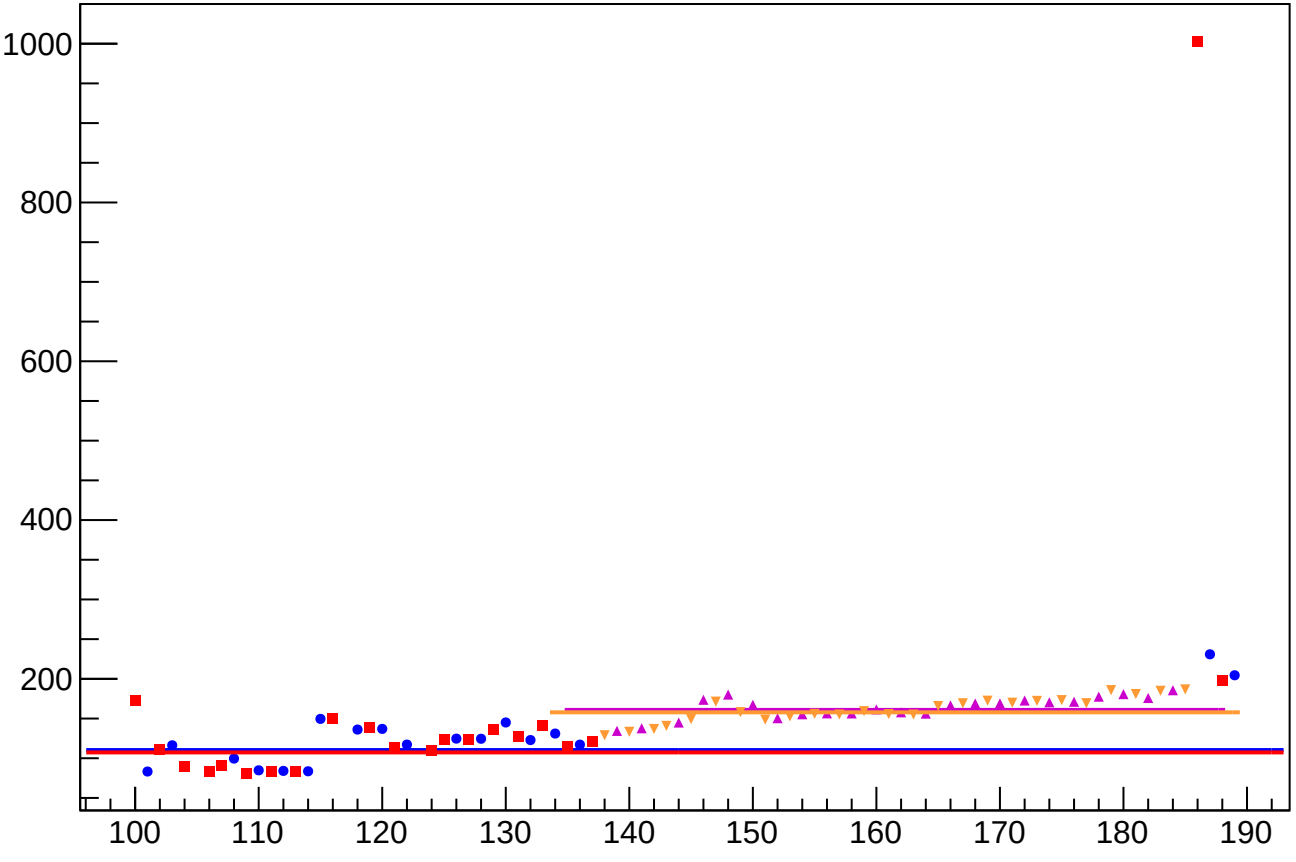
Right: -30.927+/-27.768 χ^2/NDF: 57.0/38

In: 128.848+/-27.574 χ^2/NDF:107.4/40

Out: 158.191+/-26.227 χ^2/NDF:79.3/45

All: 144.254+/-19.004 χ^2/NDF: 187.3/86

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 110.309+/-0.029 χ^2/NDF: 863246.9/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.337+/-0.027 χ^2/NDF: 1697919.3/20

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

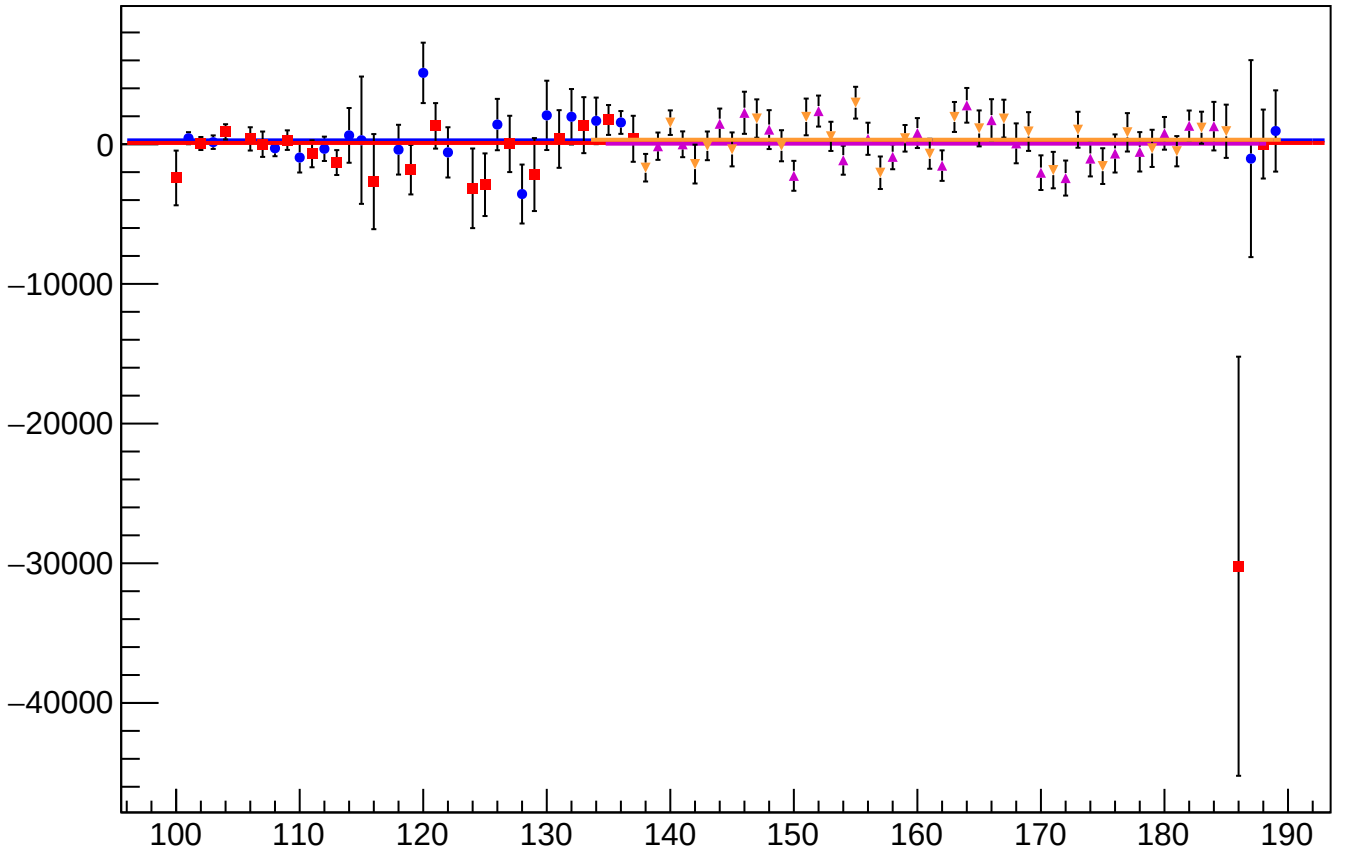
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 108.741+/-0.020 χ^2/NDF: 2566877.3/38

In: 137.321+/-0.019 χ^2/NDF:2805060.5/40

Out: 134.065+/-0.019 χ^2/NDF:3922404.7/45

All: 135.612+/-0.013 χ^2/NDF: 6742106.9/86



Right In: 274.475+/-229.812 χ^2/NDF: 16.6/17

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 89.847+/-231.725 χ^2/NDF: 20.2/20

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

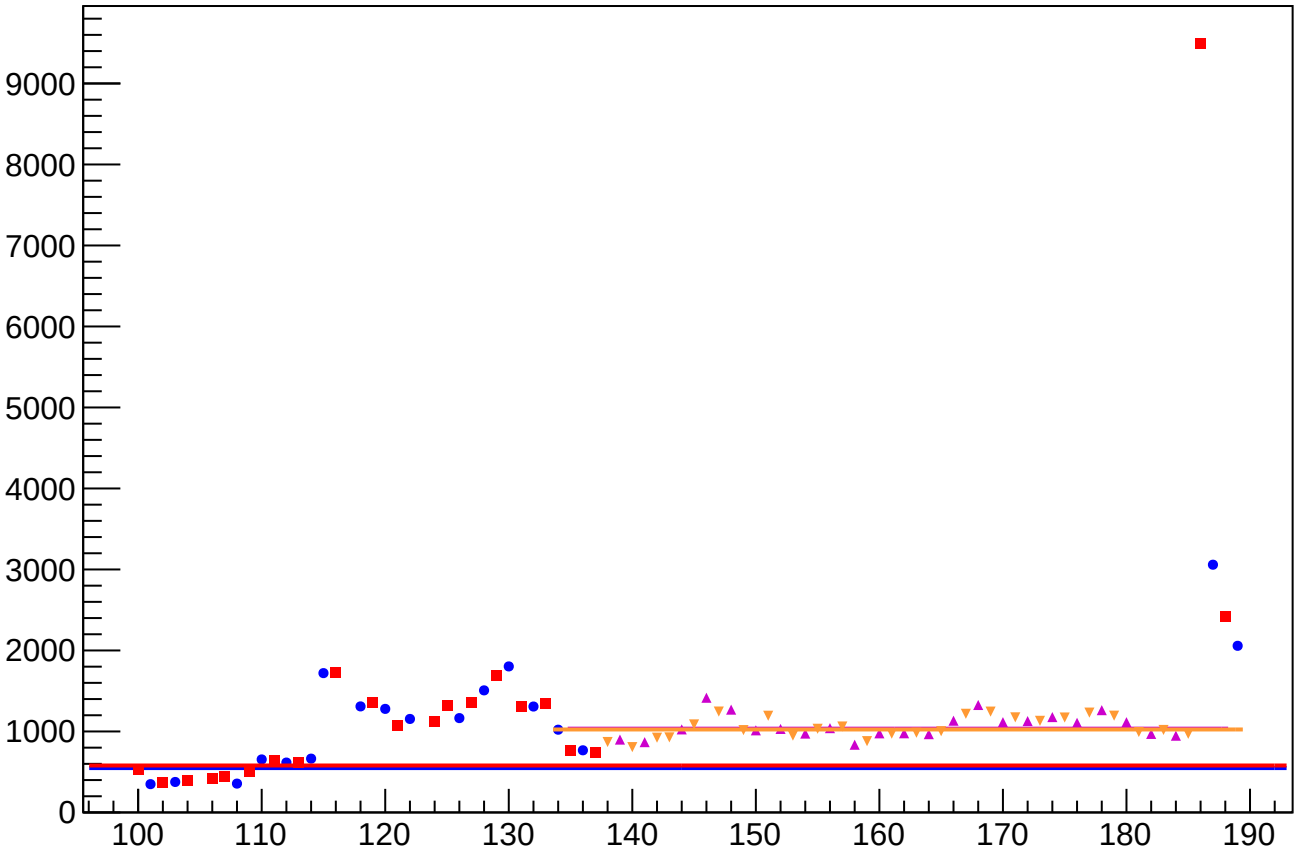
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 182.927+/-163.174 χ^2/NDF: 37.1/38

In: 163.950+/-167.343 χ^2/NDF:51.8/40

Out: 203.244+/-165.029 χ^2/NDF:53.2/45

All: 183.871+/-117.503 χ^2/NDF: 105.1/86



Right In: 547.839+/-0.163 χ^2/NDF: 4430372.4/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 579.733+/-0.164 χ^2/NDF: 4953388.0/20

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

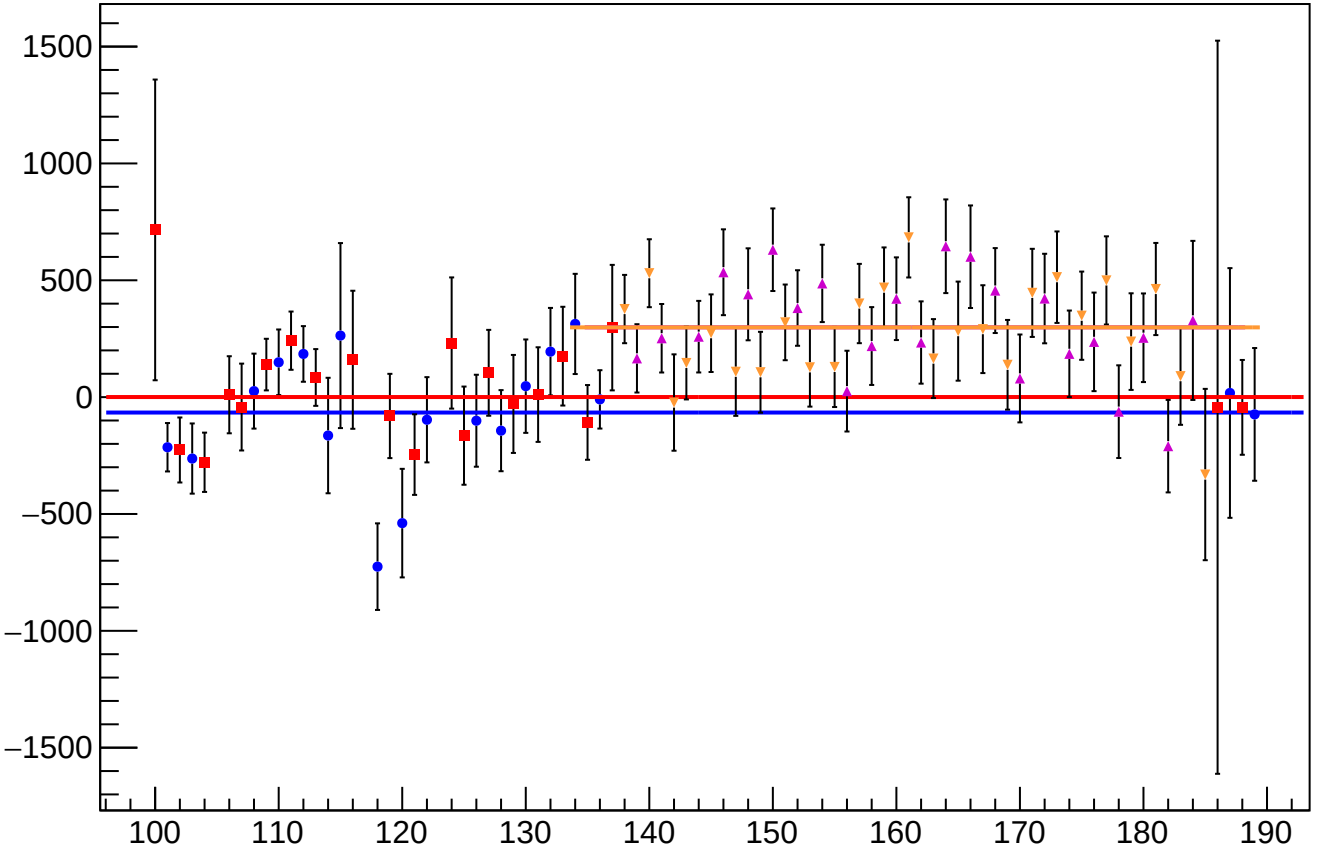
Right: 563.654+/-0.115 χ^2/NDF: 9402861.9/38

In: 776.420+/-0.118 χ^2/NDF:9270857.8/40

Out: 798.913+/-0.117 χ^2/NDF:9181894.4/45

All: 787.823+/-0.083 χ^2/NDF: 18471069.8/86

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.929+/-40.402 χ^2/NDF: 34.4/17

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 0.407+/-38.227 χ^2/NDF: 21.2/20

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

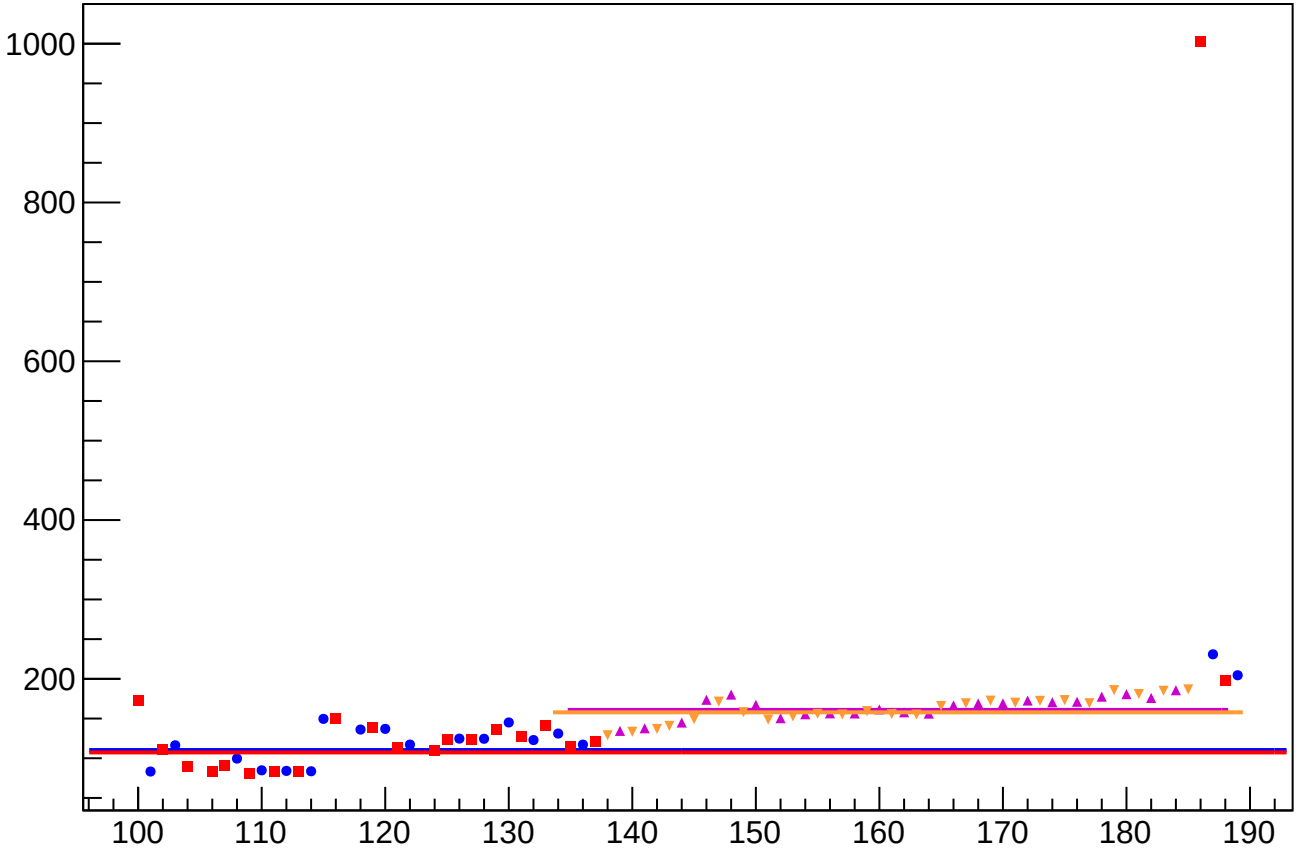
Right: -30.927+/-27.768 χ^2/NDF: 57.0/38

In: 128.848+/-27.574 χ^2/NDF:107.4/40

Out: 158.191+/-26.227 χ^2/NDF:79.3/45

All: 144.254+/-19.004 χ^2/NDF: 187.3/86

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 110.309+/-0.029 χ^2/NDF: 863246.9/17

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.337+/-0.027 χ^2/NDF: 1697919.3/20

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

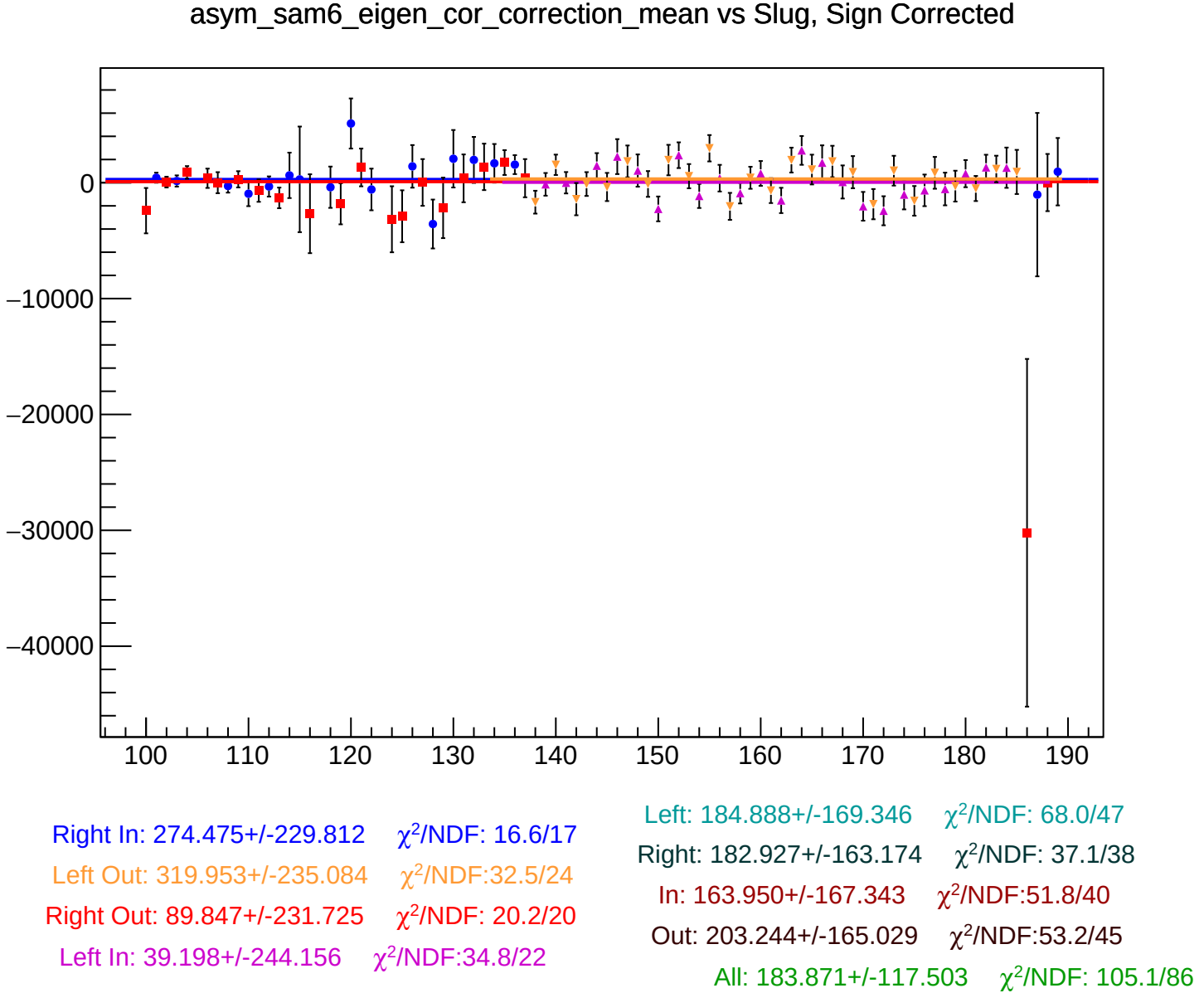
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

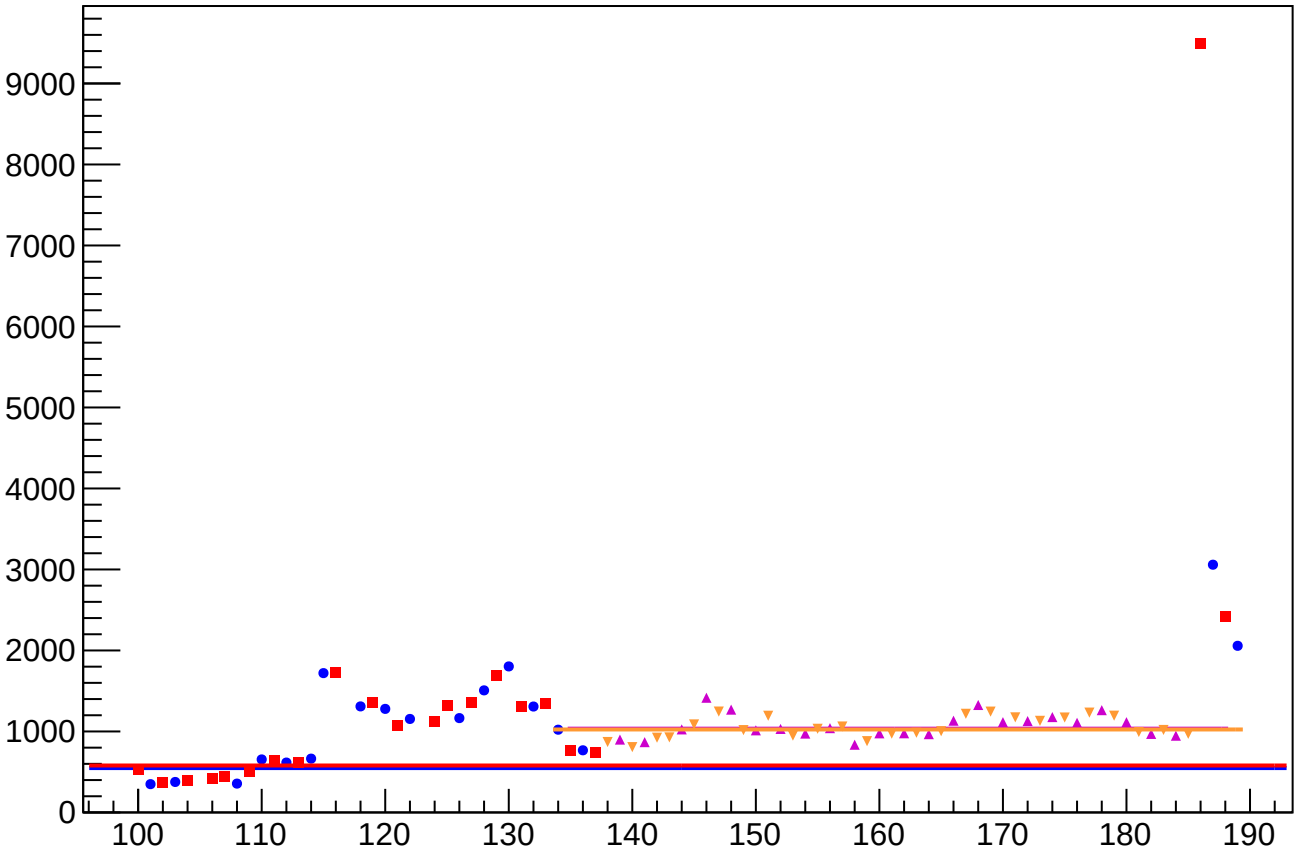
Right: 108.741+/-0.020 χ^2/NDF: 2566877.3/38

In: 137.321+/-0.019 χ^2/NDF:2805060.5/40

Out: 134.065+/-0.019 χ^2/NDF:3922404.7/45

All: 135.612+/-0.013 χ^2/NDF: 6742106.9/86


asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 274.475+/-229.812 χ²/NDF: 16.6/17
Left Out: 319.953+/-235.084 χ²/NDF:32.5/24
Right Out: 89.847+/-231.725 χ²/NDF: 20.2/20
Left In: 39.198+/-244.156 χ²/NDF:34.8/22
Left: 184.888+/-169.346 χ²/NDF: 68.0/47
Right: 182.927+/-163.174 χ²/NDF: 37.1/38
In: 163.950+/-167.343 χ²/NDF:51.8/40
Out: 203.244+/-165.029 χ²/NDF:53.2/45
All: 183.871+/-117.503 χ²/NDF: 105.1/86



Right In: 547.839+/-0.163 χ^2/NDF: 4430372.4/17

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 579.733+/-0.164 χ^2/NDF: 4953388.0/20

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

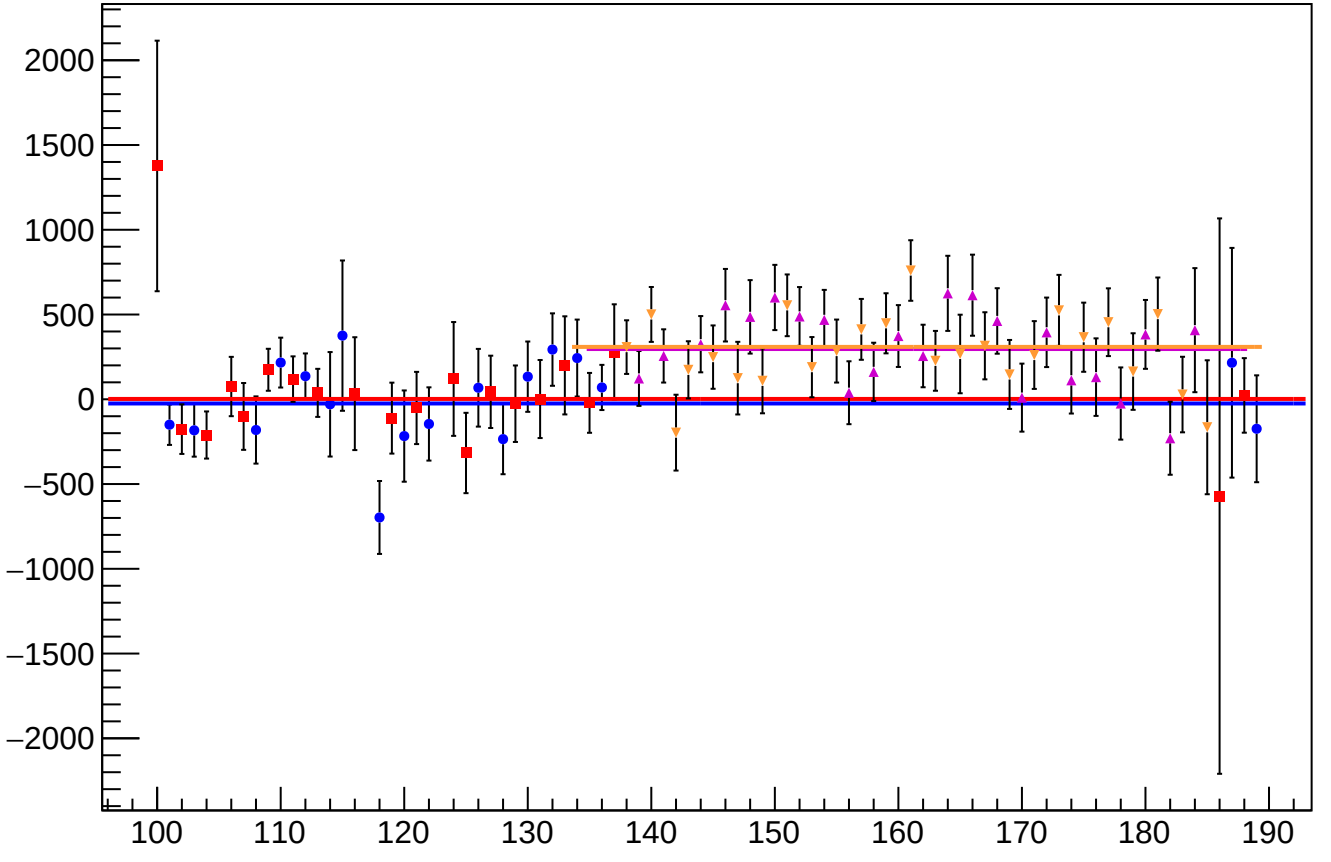
Right: 563.654+/-0.115 χ^2/NDF: 9402861.9/38

In: 776.420+/-0.118 χ^2/NDF:9270857.8/40

Out: 798.913+/-0.117 χ^2/NDF:9181894.4/45

All: 787.823+/-0.083 χ^2/NDF: 18471069.8/86

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -24.740+/-45.327 χ^2/NDF: 24.5/17

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 2.011+/-42.718 χ^2/NDF: 14.4/20

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

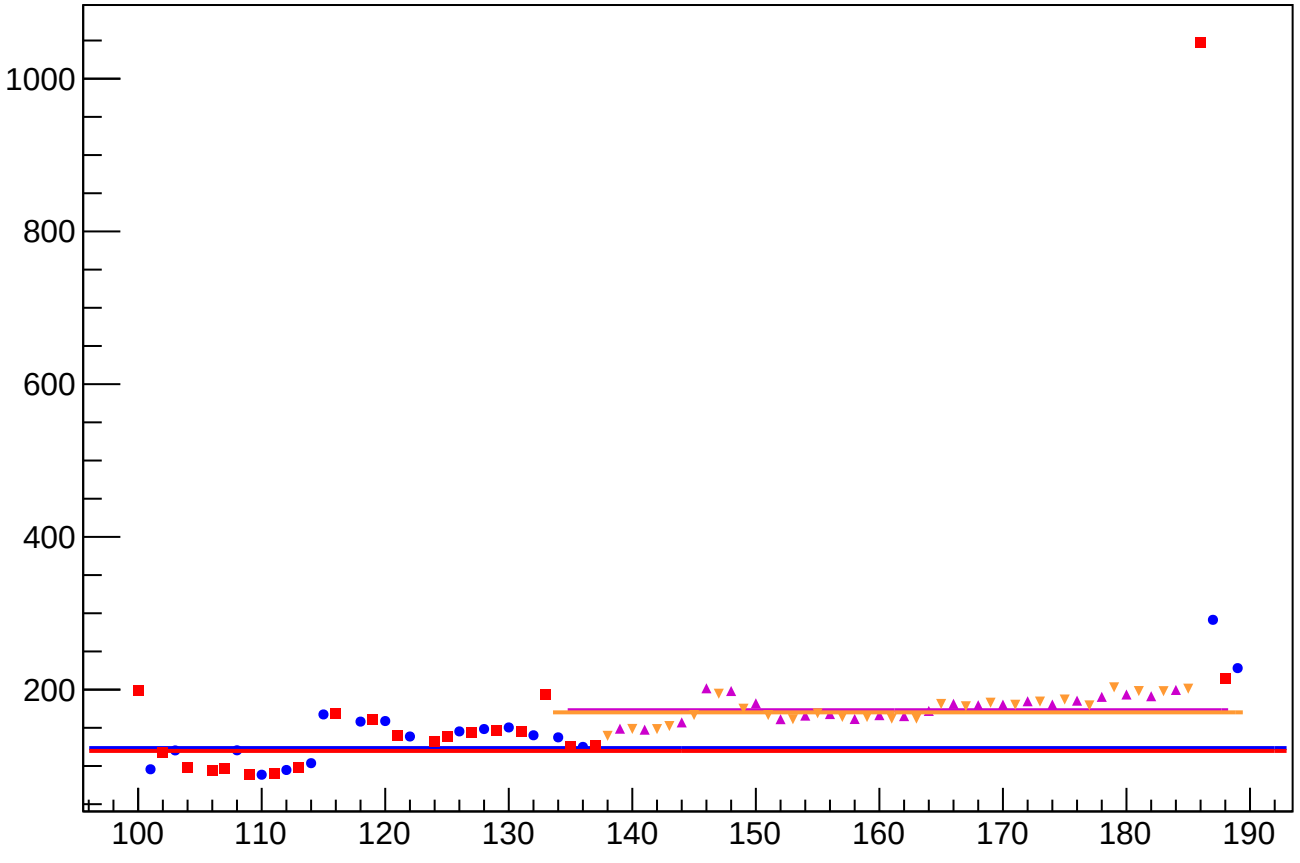
Right: -10.573+/-31.088 χ^2/NDF: 39.1/38

In: 153.472+/-30.245 χ^2/NDF:80.2/40

Out: 169.849+/-28.762 χ^2/NDF:68.2/45

All: 162.072+/-20.842 χ^2/NDF: 148.6/86

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 123.450+/-0.032 χ^2/NDF: 882385.0/17

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 119.741+/-0.030 χ^2/NDF: 1801888.6/20

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

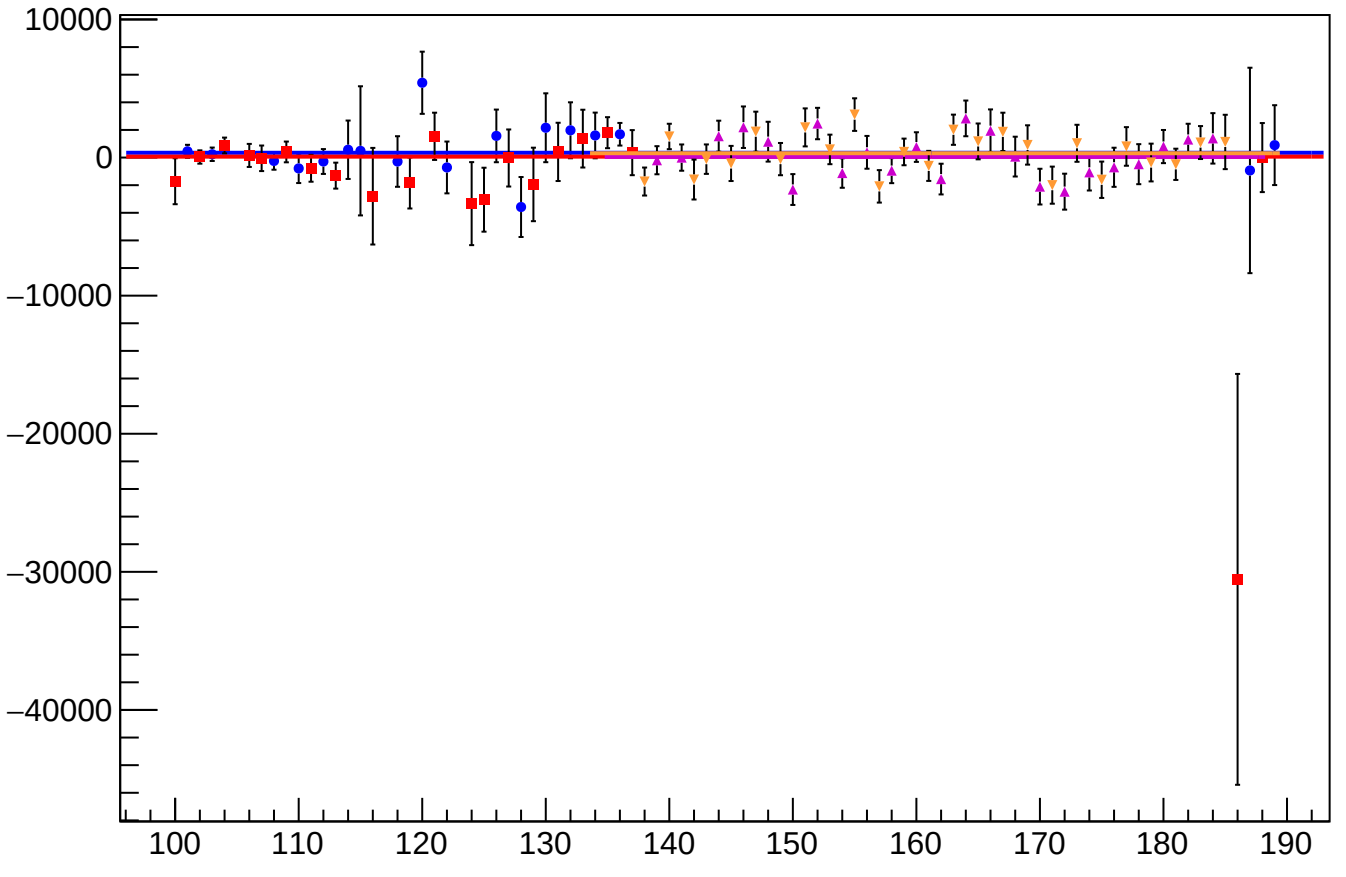
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 121.486+/-0.022 χ^2/NDF: 2691365.1/38

In: 150.952+/-0.021 χ^2/NDF:2503249.1/40

Out: 147.347+/-0.020 χ^2/NDF:3696117.4/45

All: 149.059+/-0.015 χ^2/NDF: 6214283.1/86



Right In: 346.946+/-240.568 χ^2/NDF: 16.3/17

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 66.809+/-239.344 χ^2/NDF: 19.5/20

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

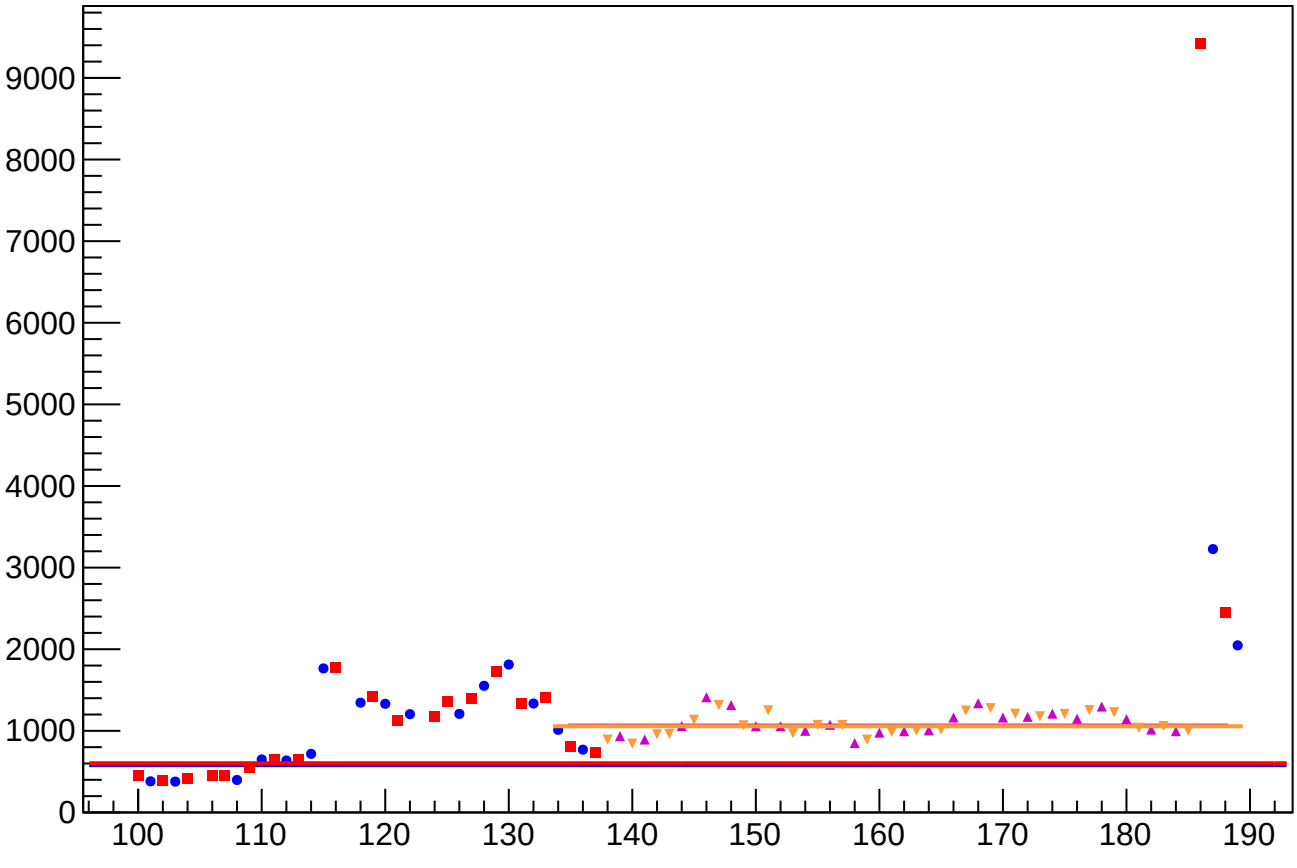
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 206.163+/-169.673 χ^2/NDF: 36.5/38

In: 203.596+/-173.761 χ^2/NDF:51.5/40

Out: 188.658+/-170.313 χ^2/NDF:52.9/45

All: 195.977+/-121.630 χ^2/NDF: 104.4/86



Right In: 579.637+/-0.170 χ^2/NDF: 4207089.2/17

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 603.137+/-0.169 χ^2/NDF: 4908402.7/20

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

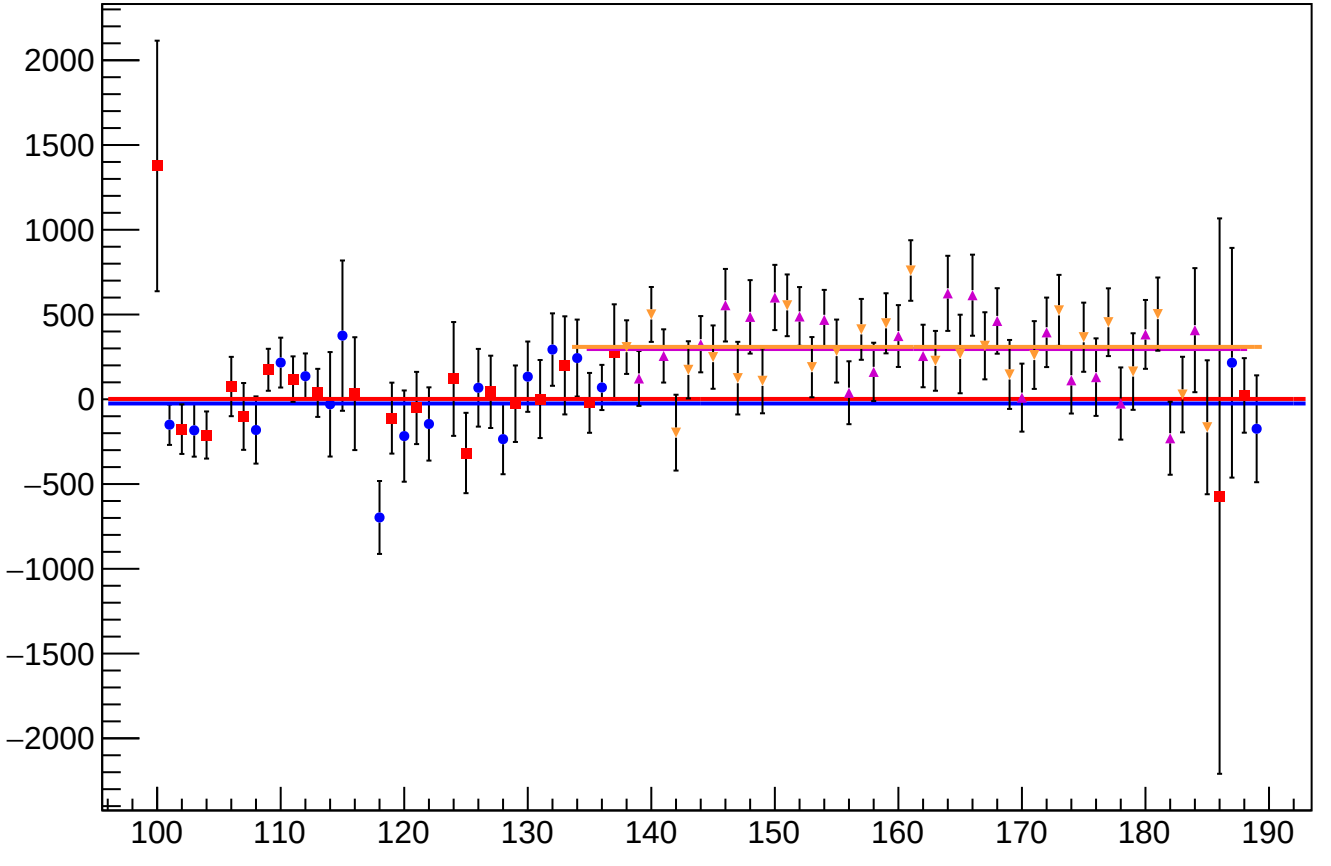
Right: 591.447+/-0.120 χ^2/NDF: 9125083.6/38

In: 811.632+/-0.123 χ^2/NDF:8707030.3/40

Out: 826.856+/-0.120 χ^2/NDF:9058831.0/45

All: 819.396+/-0.086 χ^2/NDF: 17773691.4/86

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -24.742+/-45.327 χ^2/NDF: 24.5/17

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 2.012+/-42.718 χ^2/NDF: 14.4/20

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

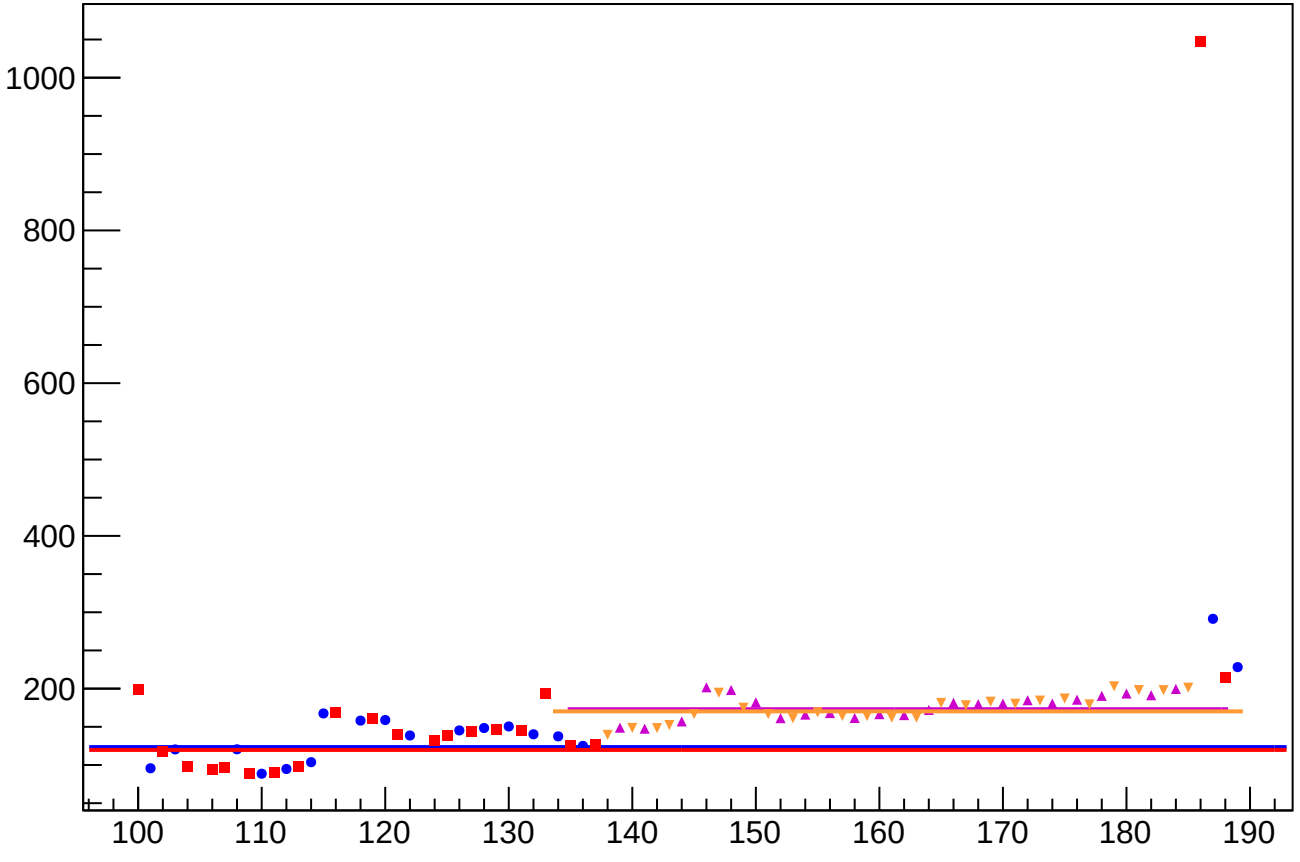
Right: -10.573+/-31.088 χ^2/NDF: 39.1/38

In: 153.471+/-30.245 χ^2/NDF:80.2/40

Out: 169.850+/-28.762 χ^2/NDF:68.2/45

All: 162.072+/-20.842 χ^2/NDF: 148.6/86

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 123.450+/-0.032 χ^2/NDF: 882388.6/17

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 119.741+/-0.030 χ^2/NDF: 1801884.6/20

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

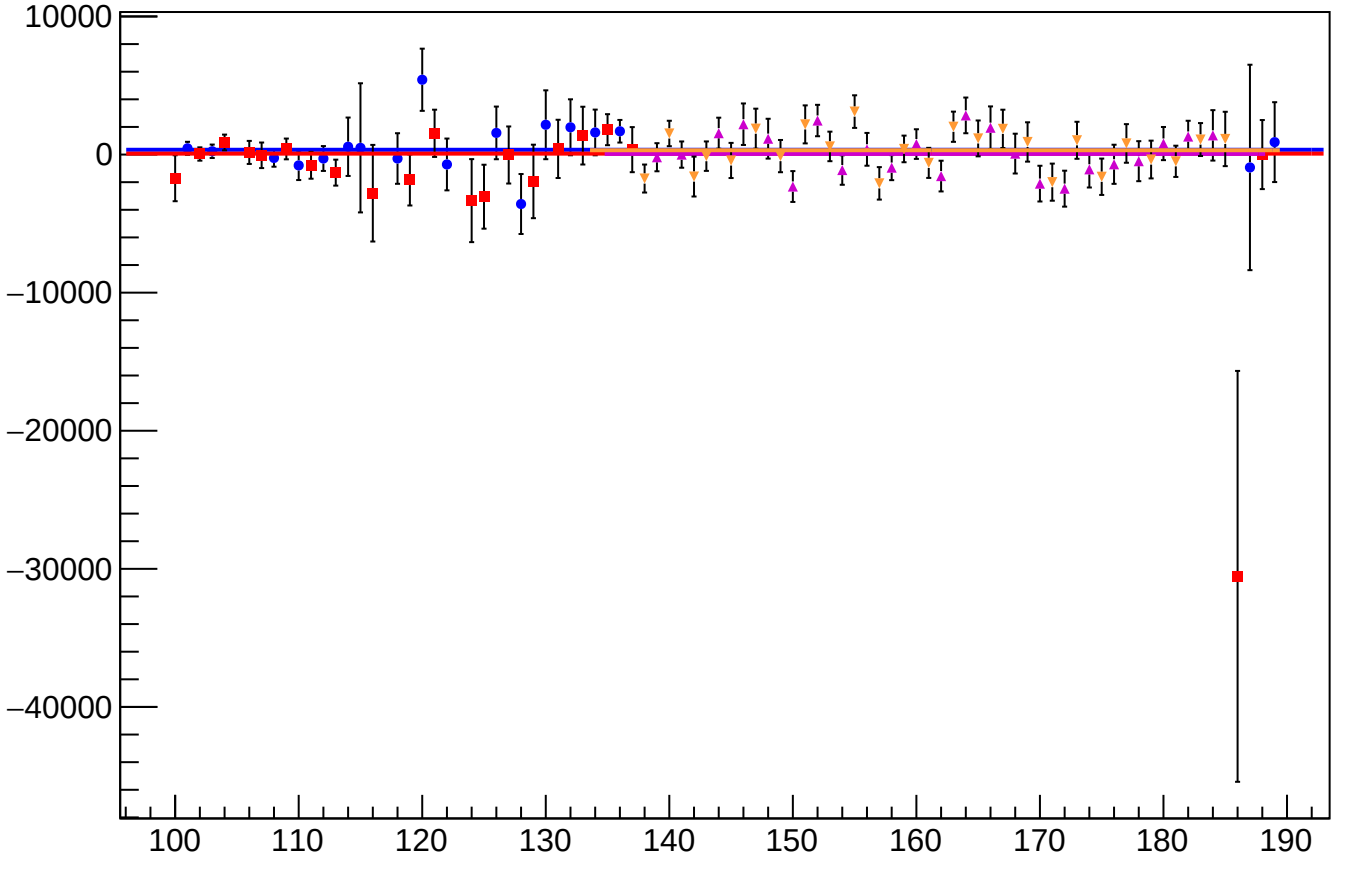
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 121.485+/-0.022 χ^2/NDF: 2691364.5/38

In: 150.952+/-0.021 χ^2/NDF:2503262.2/40

Out: 147.347+/-0.020 χ^2/NDF:3696119.3/45

All: 149.059+/-0.015 χ^2/NDF: 6214297.9/86



Right In: 346.945+/-240.567 χ^2/NDF: 16.3/17

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 66.810+/-239.344 χ^2/NDF: 19.5/20

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

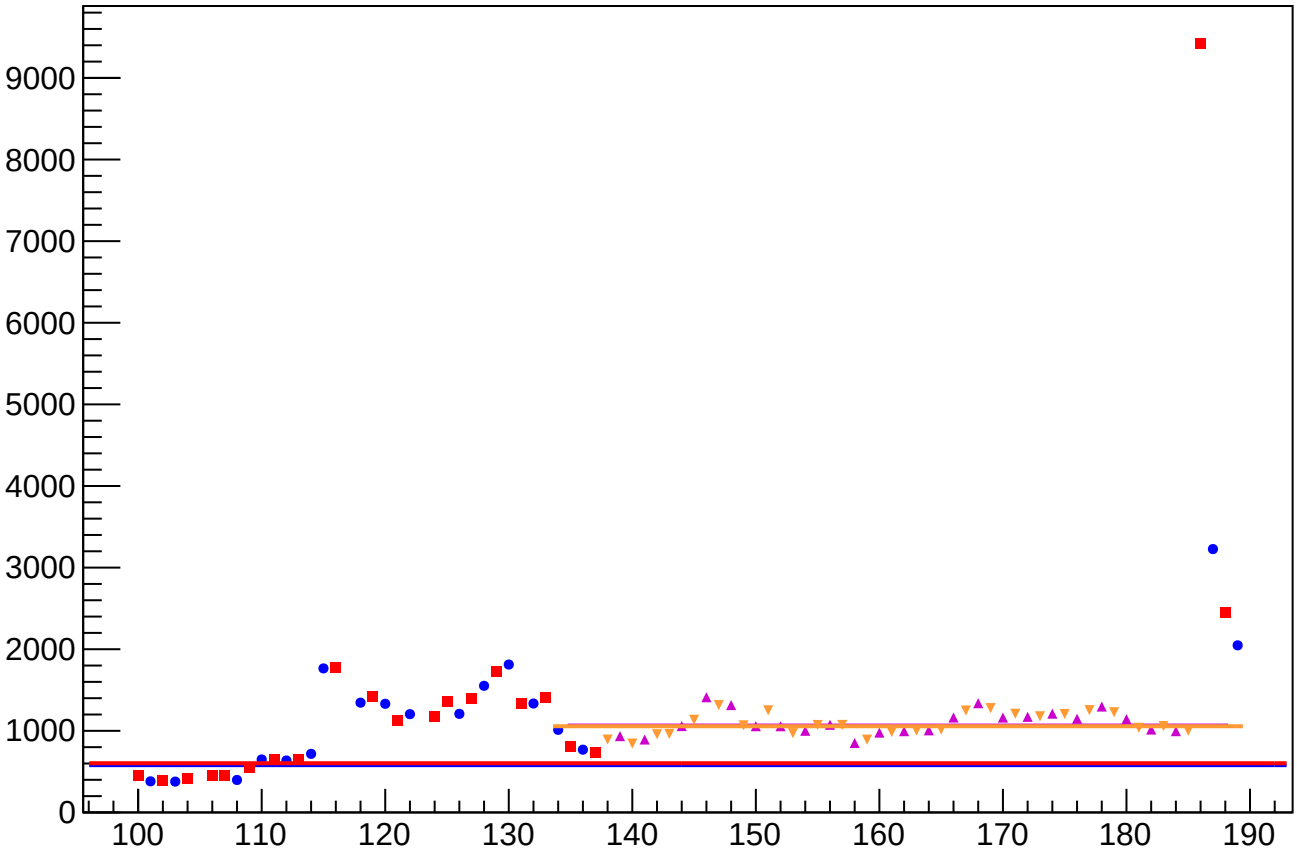
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 206.163+/-169.673 χ^2/NDF: 36.5/38

In: 203.596+/-173.761 χ^2/NDF:51.5/40

Out: 188.659+/-170.313 χ^2/NDF:52.9/45

All: 195.977+/-121.630 χ^2/NDF: 104.4/86



Right In: 579.636+/-0.170 χ^2/NDF: 4207093.7/17

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 603.137+/-0.169 χ^2/NDF: 4908403.1/20

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

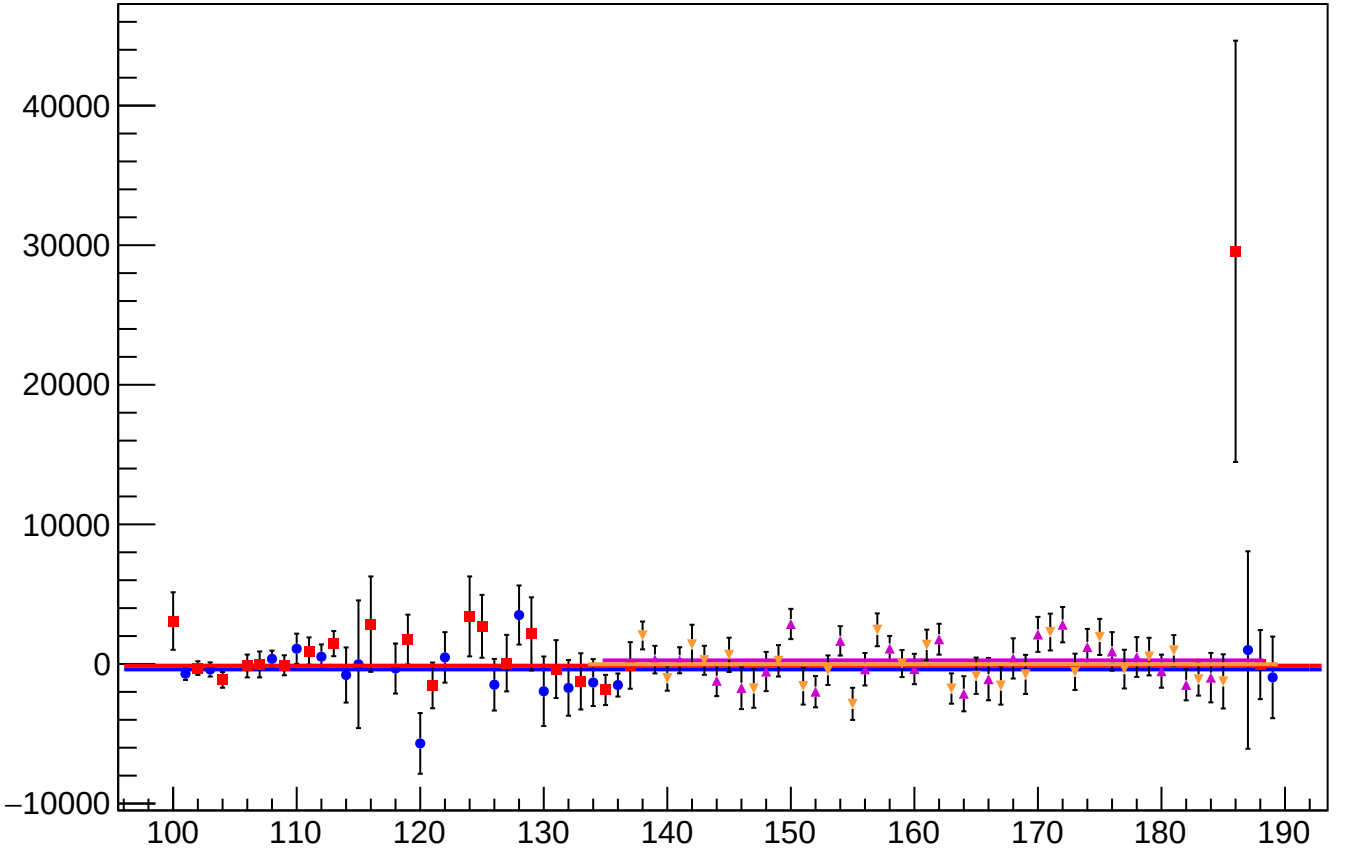
Right: 591.446+/-0.120 χ^2/NDF: 9125088.7/38

In: 811.631+/-0.123 χ^2/NDF:8707054.3/40

Out: 826.855+/-0.120 χ^2/NDF:9058849.7/45

All: 819.396+/-0.086 χ^2/NDF: 17773734.4/86

asym_sam6_mean vs Slug, Sign Corrected



Right In: -388.731+/-236.612 χ^2/NDF: 18.0/17

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -120.489+/-237.117 χ^2/NDF: 23.3/20

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

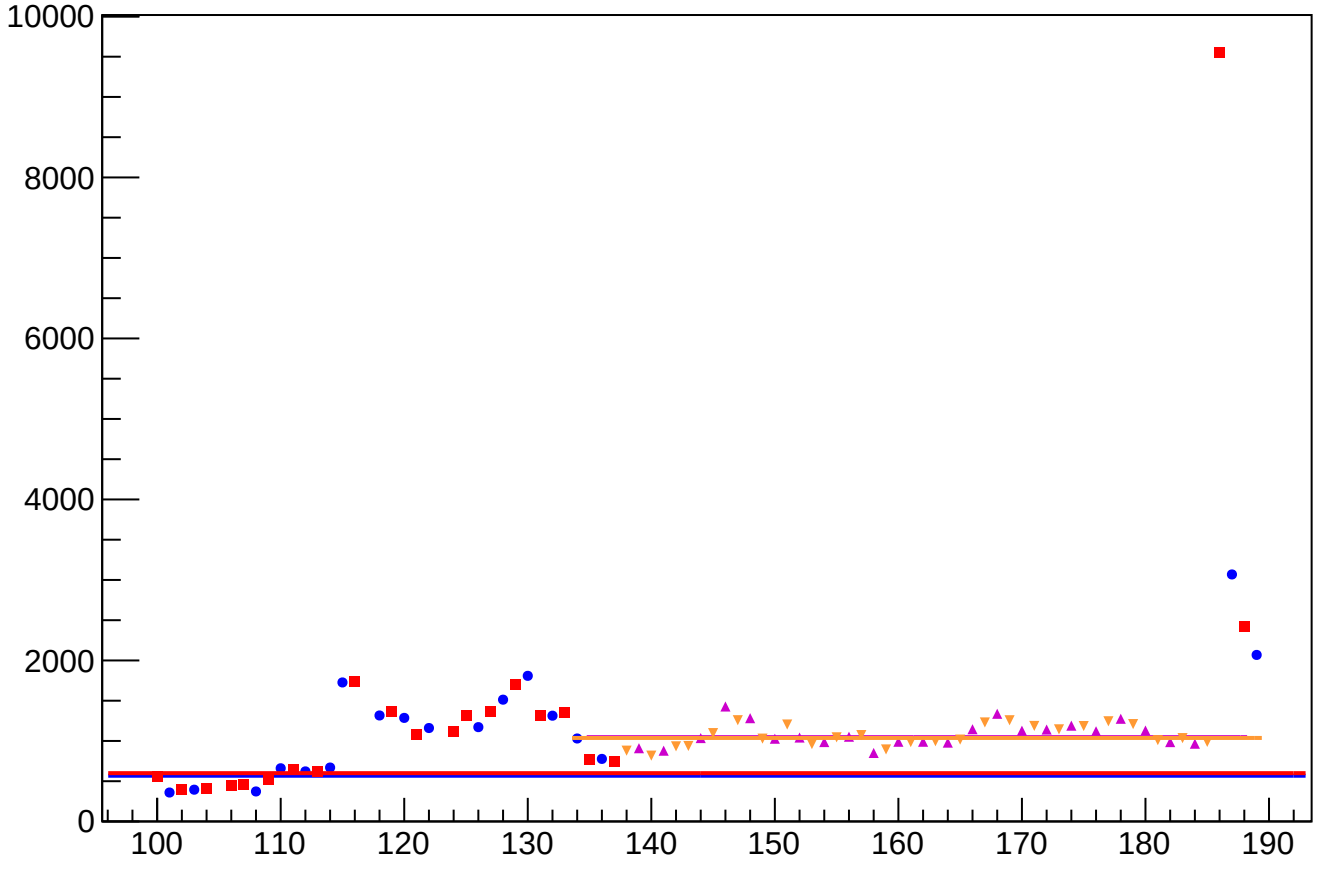
Right: -254.896+/-167.488 χ^2/NDF: 41.9/38

In: -80.758+/-170.932 χ^2/NDF:55.1/40

Out: -71.353+/-167.968 χ^2/NDF:57.8/45

All: -75.973+/-119.806 χ^2/NDF: 113.0/86

asym_sam6_rms vs Slug, Sign Corrected



Right In: 568.013+/-0.167 χ^2/NDF: 4264959.0/17

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 600.090+/-0.168 χ^2/NDF: 4782401.9/20

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

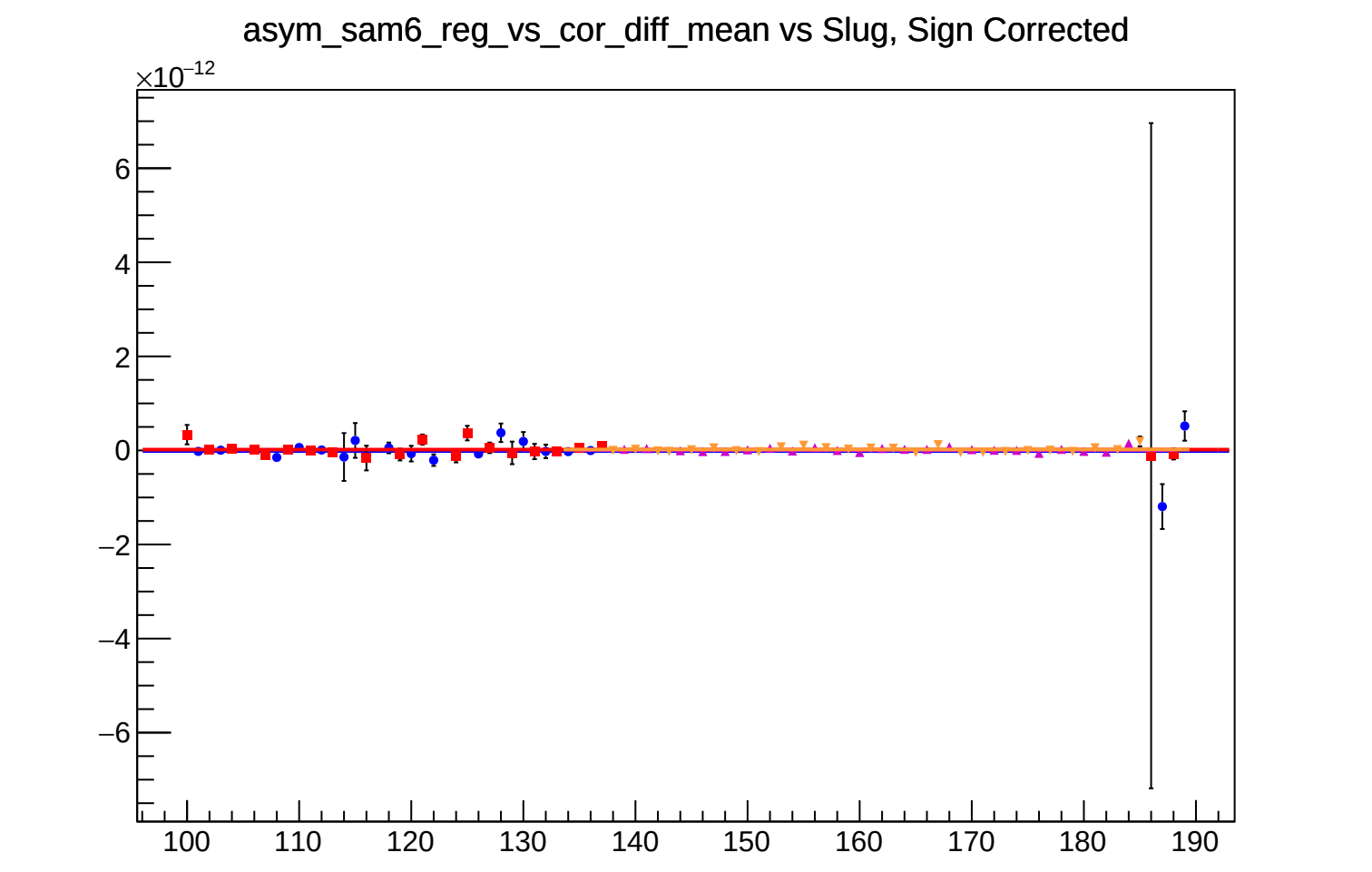
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 584.017+/-0.118 χ^2/NDF: 9065699.8/38

In: 797.328+/-0.121 χ^2/NDF:8807302.2/40

Out: 817.920+/-0.119 χ^2/NDF:8755873.7/45

All: 807.804+/-0.085 χ^2/NDF: 17577942.7/86



Right In: -0.000+/-0.000 χ^2/NDF: 24.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/20

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

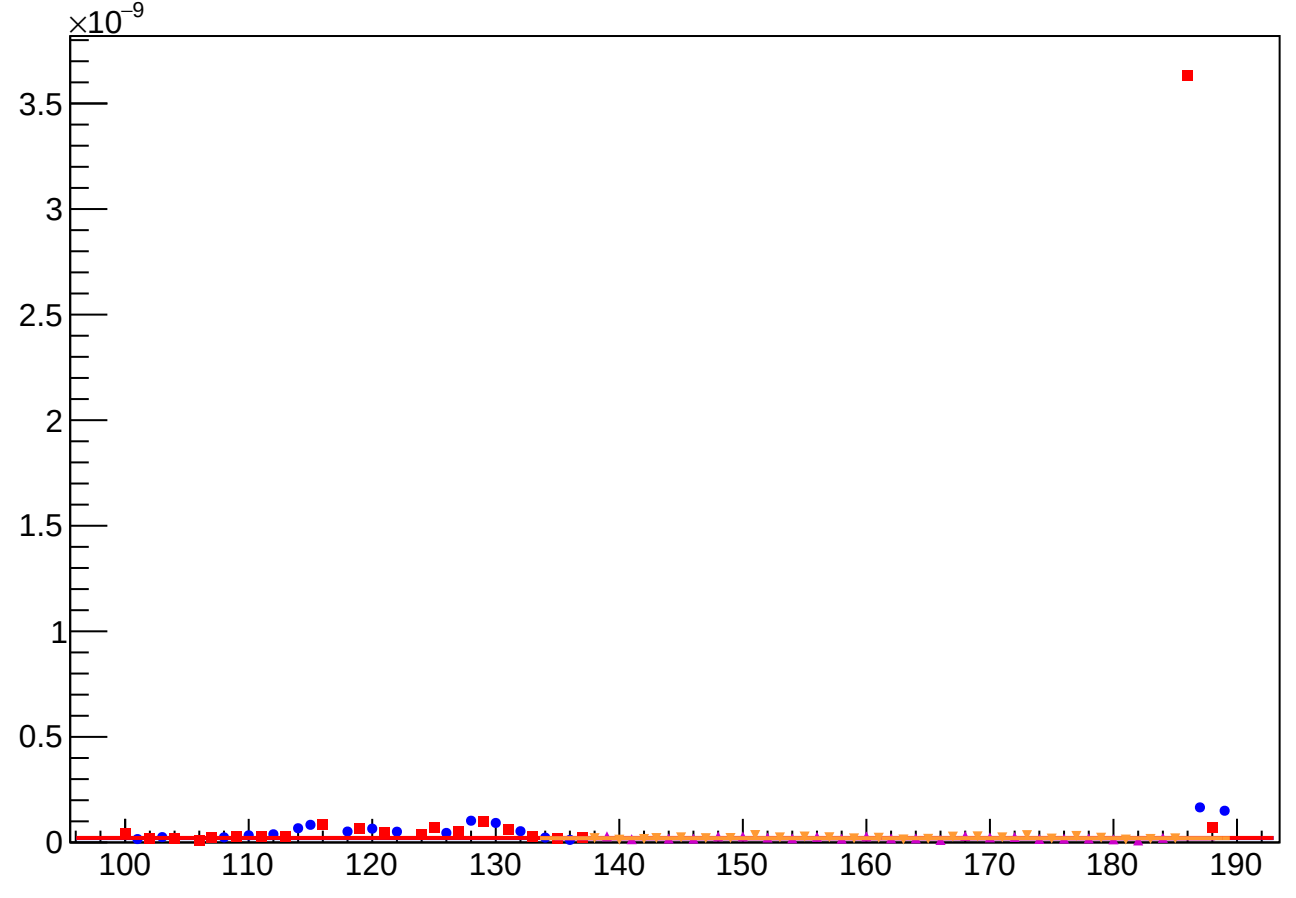
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 48.1/38

In: 0.000+/-0.000 χ^2/NDF:45.2/40

Out: 0.000+/-0.000 χ^2/NDF:50.5/45

All: 0.000+/-0.000 χ^2/NDF: 99.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 2535727.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2715267.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

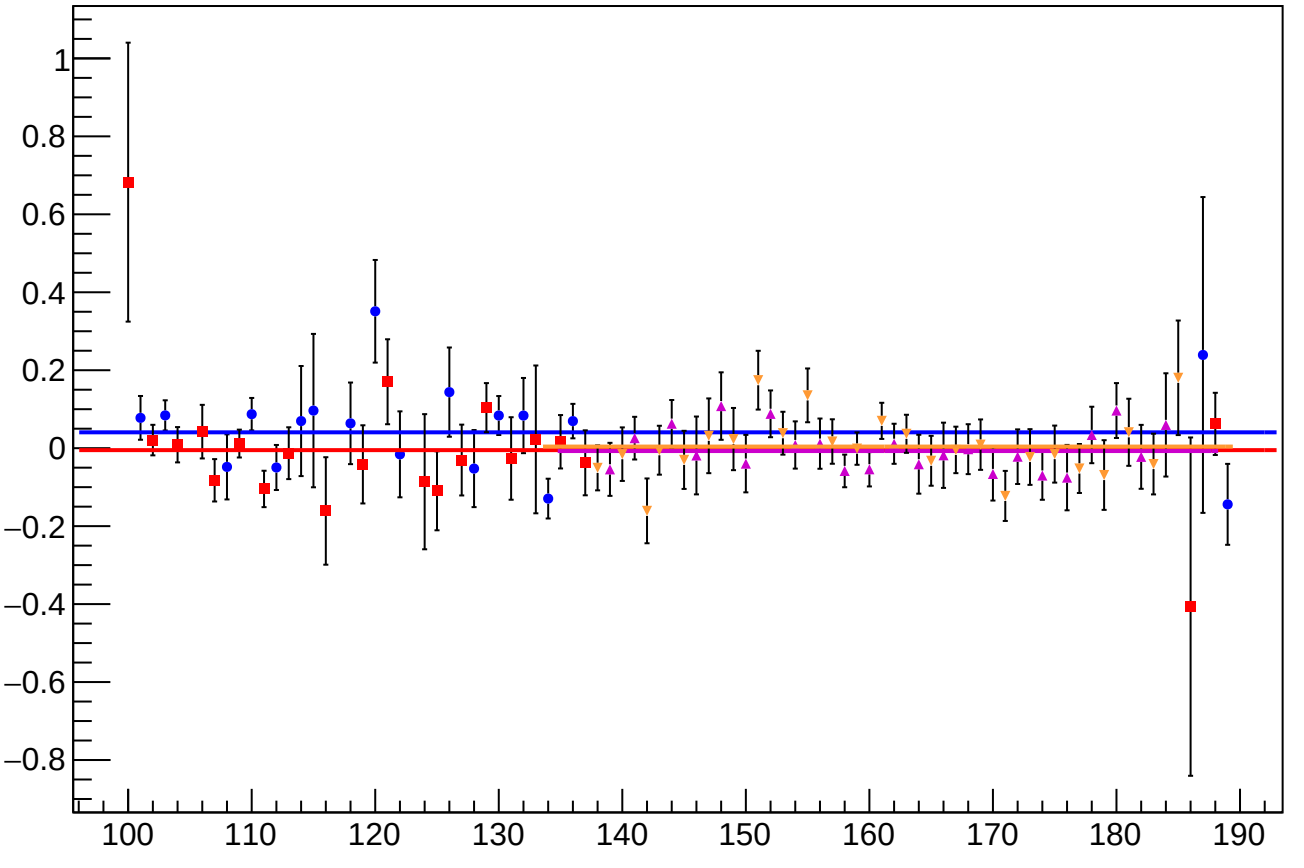
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5255446.6/38

In: 0.000+/-0.000 χ^2/NDF:3601207.0/40

Out: 0.000+/-0.000 χ^2/NDF:3722371.2/45

All: 0.000+/-0.000 χ^2/NDF: 7342315.4/86



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

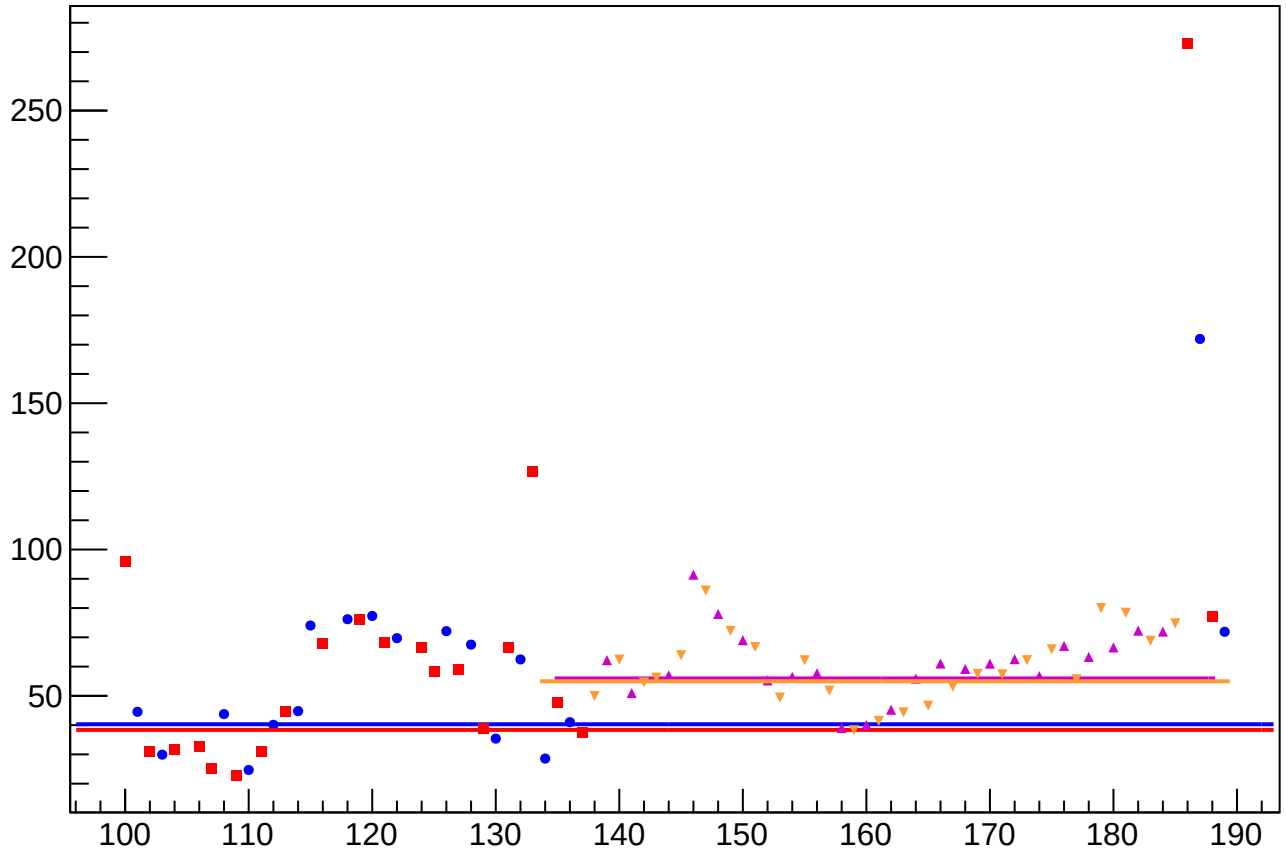
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.016+/-0.011 χ^2/NDF: 56.3/38

In: 0.013+/-0.010 χ^2/NDF:50.5/40

Out: 0.000+/-0.010 χ^2/NDF:46.8/45

All: 0.006+/-0.007 χ^2/NDF: 98.0/86



Right In: 40.293+/-0.011 χ^2/NDF: 1970180.0/17

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173185.0/20

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

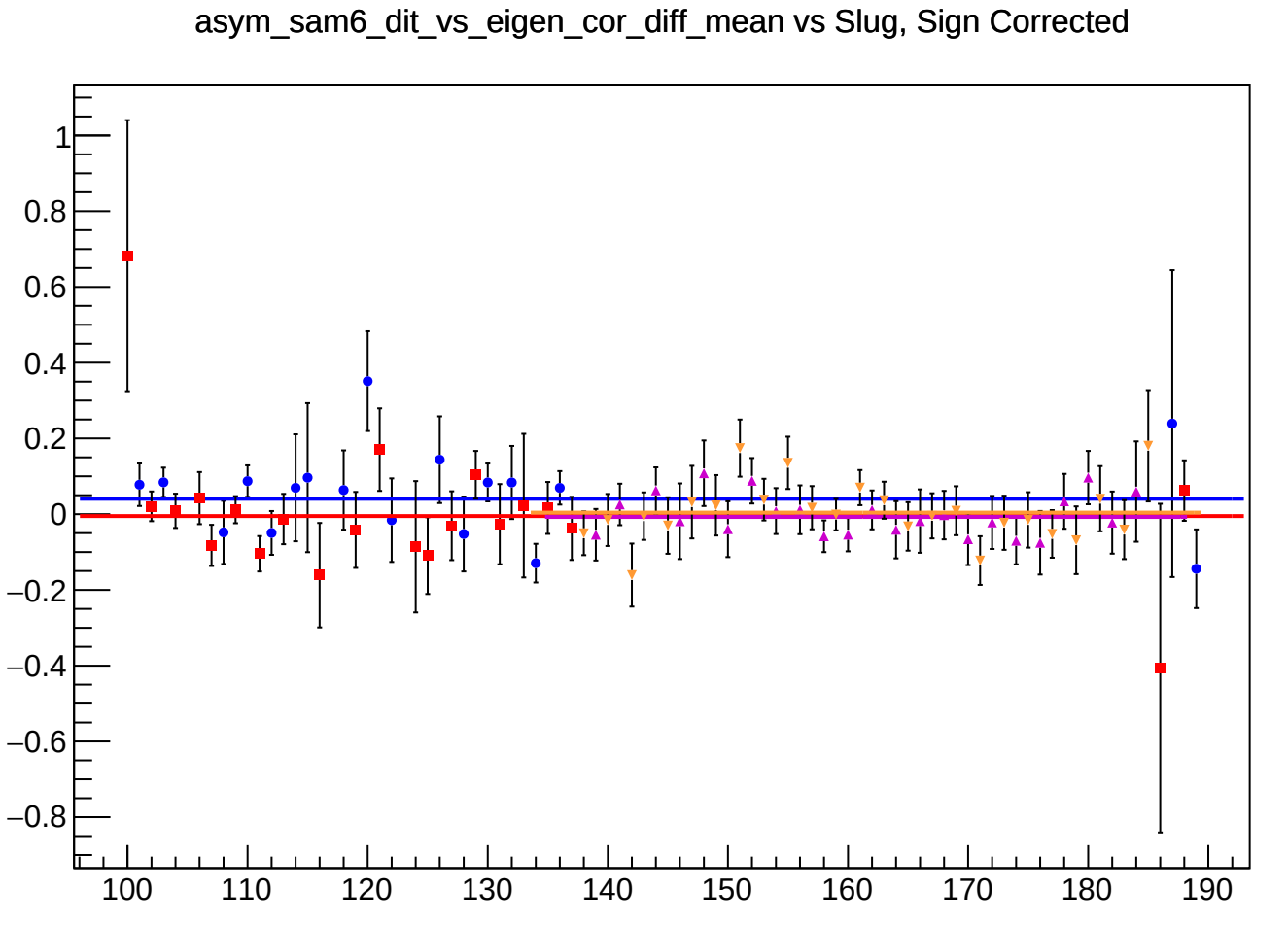
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 39.269+/-0.008 χ^2/NDF: 5159110.1/38

In: 49.347+/-0.007 χ^2/NDF:4509283.9/40

Out: 47.799+/-0.007 χ^2/NDF:6163556.1/45

All: 48.533+/-0.005 χ^2/NDF: 10696709.9/86



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

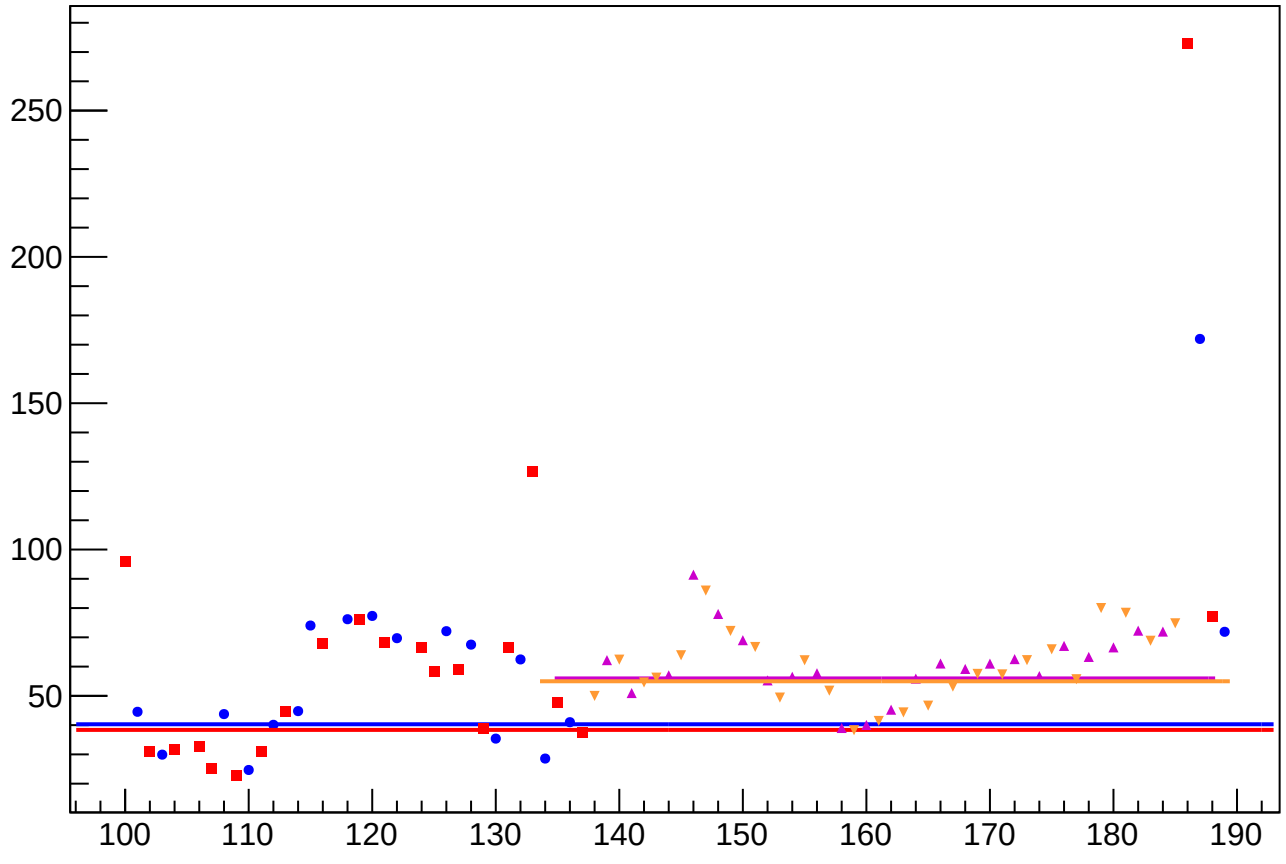
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.016+/-0.011 χ^2/NDF: 56.3/38

In: 0.013+/-0.010 χ^2/NDF:50.5/40

Out: 0.000+/-0.010 χ^2/NDF:46.8/45

All: 0.006+/-0.007 χ^2/NDF: 98.0/86



Right In: 40.293+/-0.011 χ^2/NDF: 1970180.0/17

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173185.0/20

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

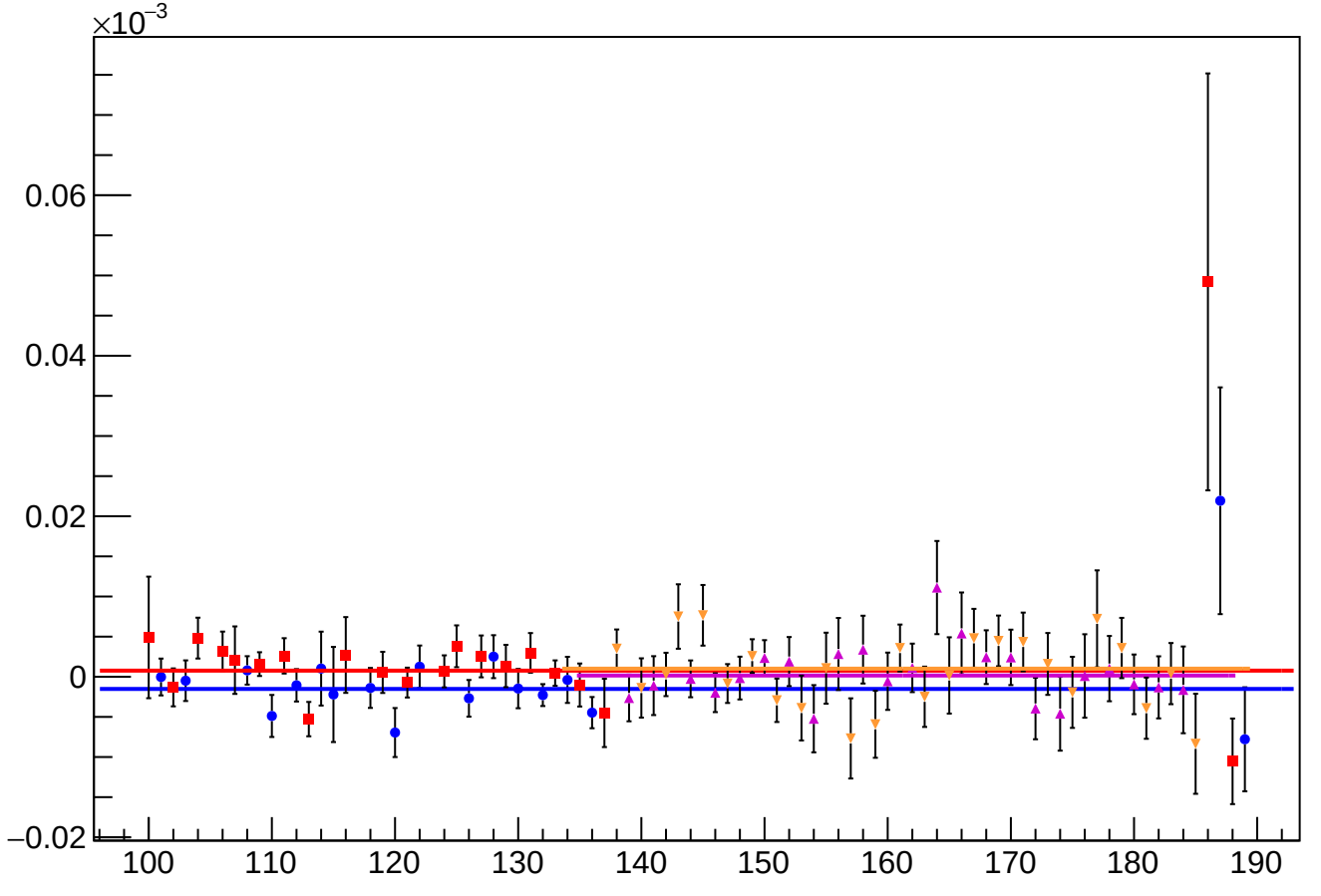
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 39.269+/-0.008 χ^2/NDF: 5159110.1/38

In: 49.347+/-0.007 χ^2/NDF:4509283.9/40

Out: 47.799+/-0.007 χ^2/NDF:6163556.1/45

All: 48.533+/-0.005 χ^2/NDF: 10696709.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/20

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

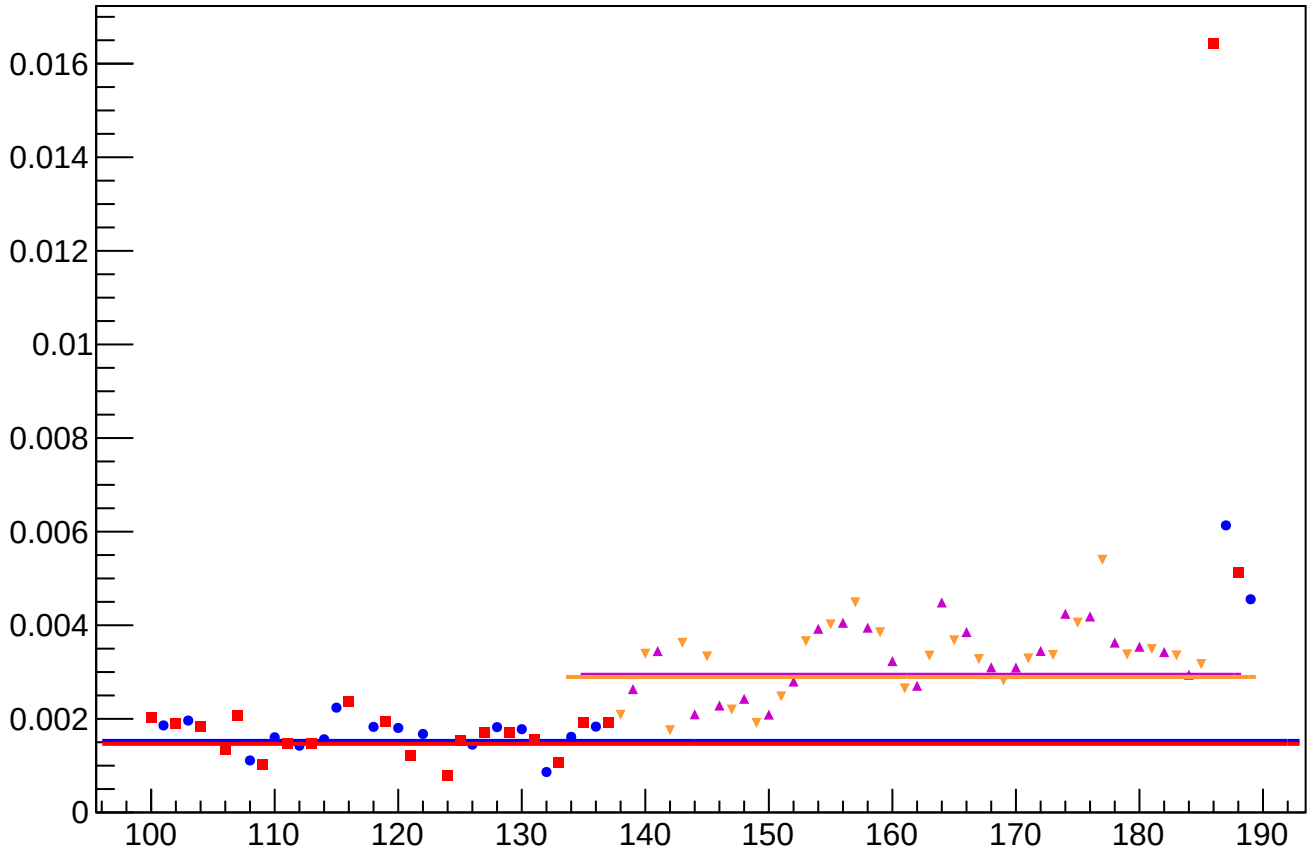
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 53.0/38

In: -0.000+/-0.000 χ^2/NDF:34.9/40

Out: 0.000+/-0.000 χ^2/NDF:55.7/45

All: 0.000+/-0.000 χ^2/NDF: 98.3/86



Right In: 0.002+/-0.000 χ^2/NDF: 1522427.5/17

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2623083.4/20

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

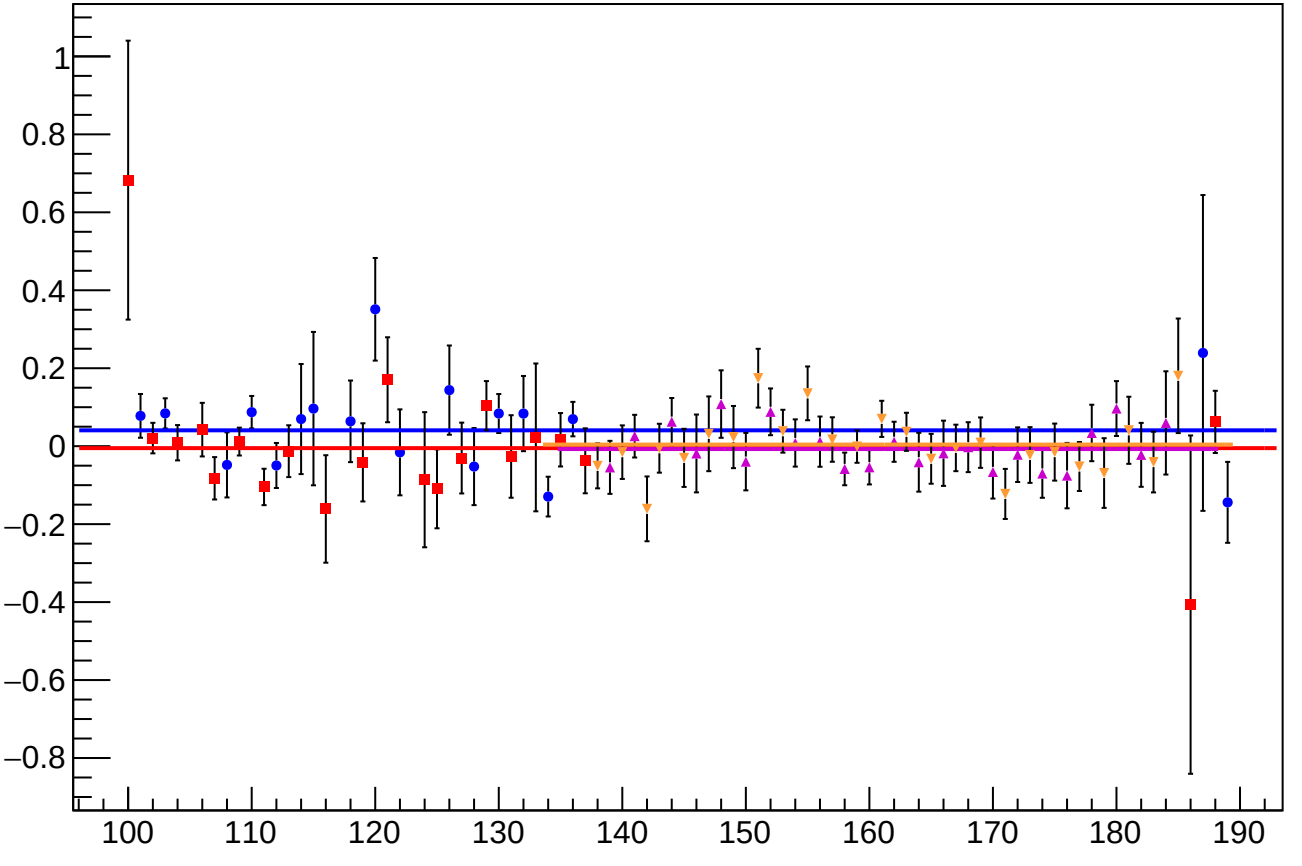
Right: 0.001+/-0.000 χ^2/NDF: 4158258.8/38

In: 0.002+/-0.000 χ^2/NDF:8175294.8/40

Out: 0.002+/-0.000 χ^2/NDF:10614772.7/45

All: 0.002+/-0.000 χ^2/NDF: 18823302.2/86

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

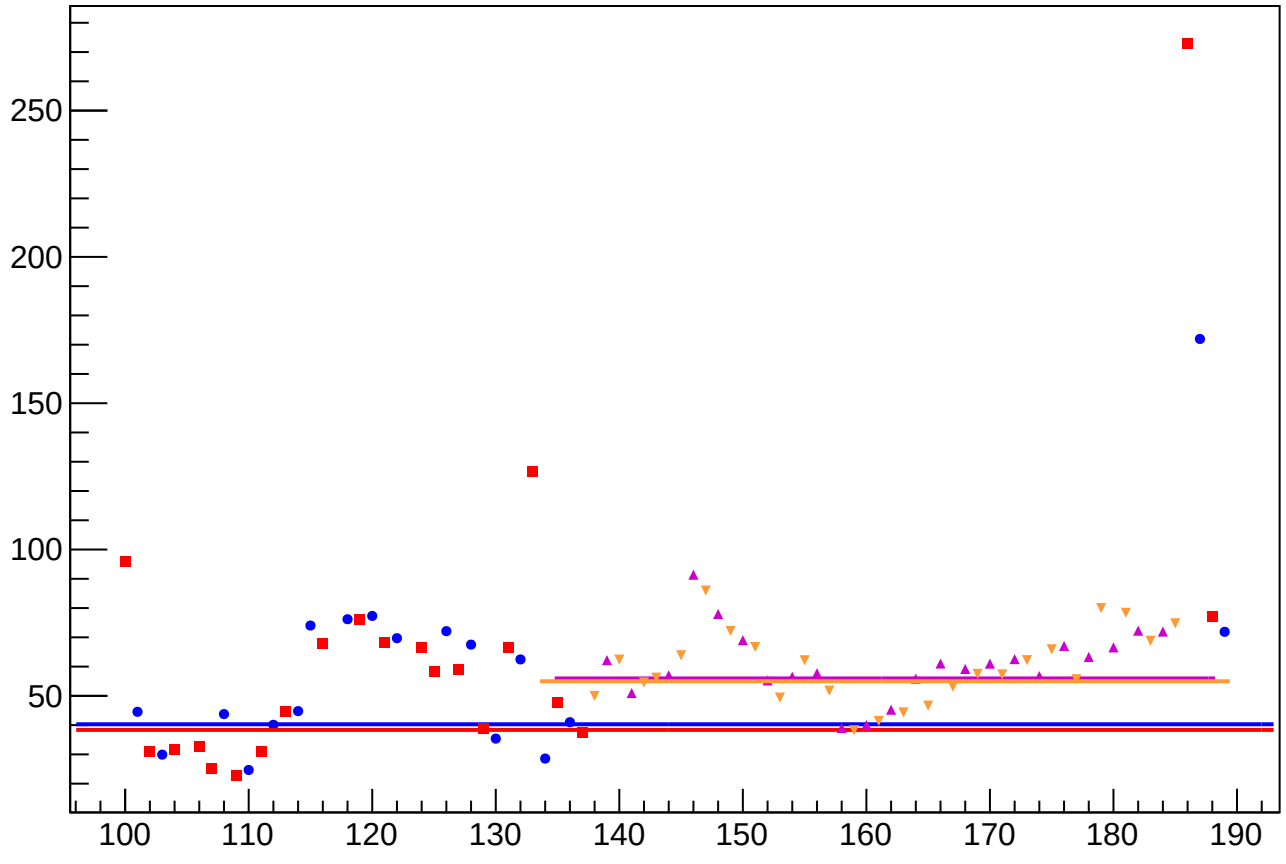
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.016+/-0.011 χ^2/NDF: 56.3/38

In: 0.013+/-0.010 χ^2/NDF:50.5/40

Out: 0.000+/-0.010 χ^2/NDF:46.8/45

All: 0.006+/-0.007 χ^2/NDF: 98.0/86



Right In: 40.292+/-0.011 χ^2/NDF: 1970204.4/17

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173144.2/20

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

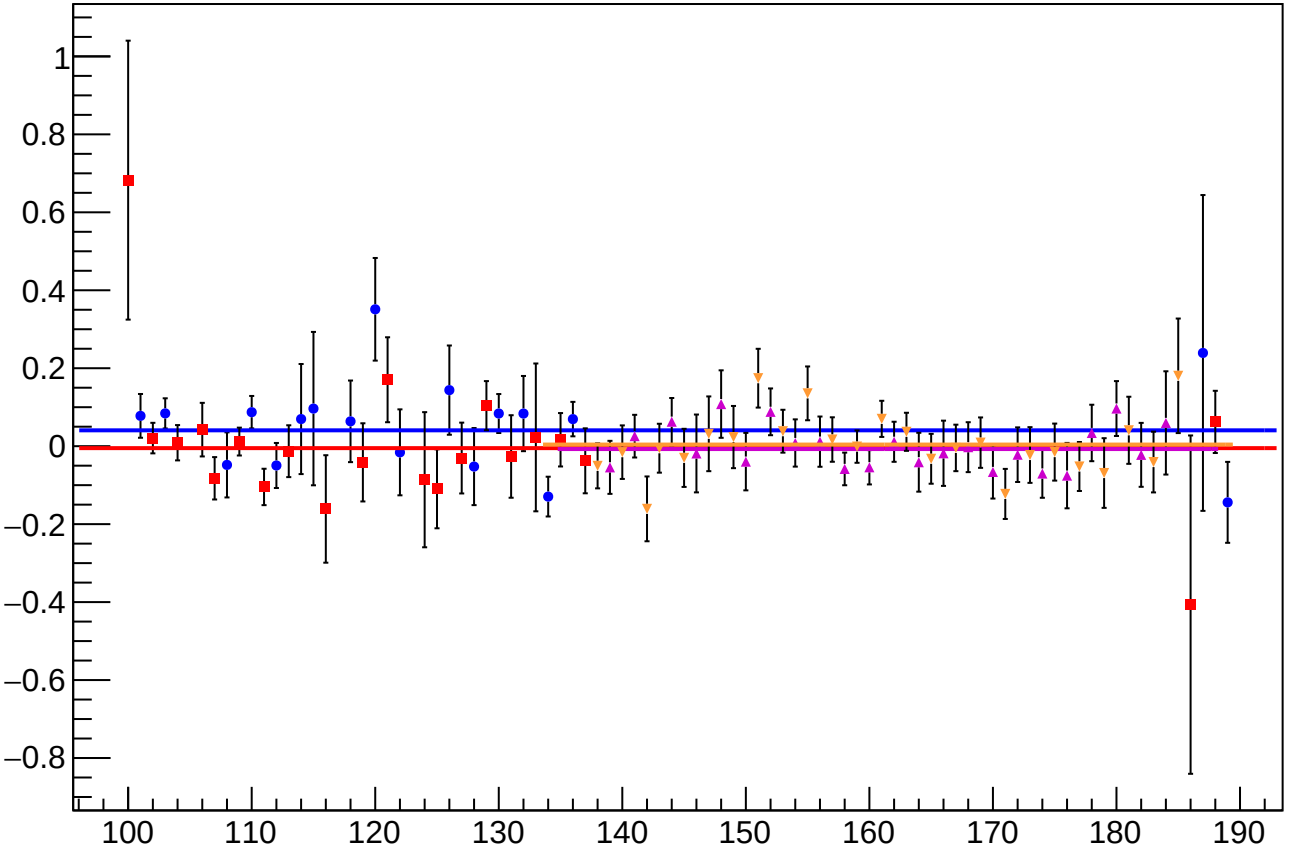
Right: 39.268+/-0.008 χ^2/NDF: 5159089.7/38

In: 49.346+/-0.007 χ^2/NDF:4509418.1/40

Out: 47.798+/-0.007 χ^2/NDF:6163546.3/45

All: 48.532+/-0.005 χ^2/NDF: 10696827.7/86

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.041+/-0.016 χ^2/NDF: 30.1/17

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

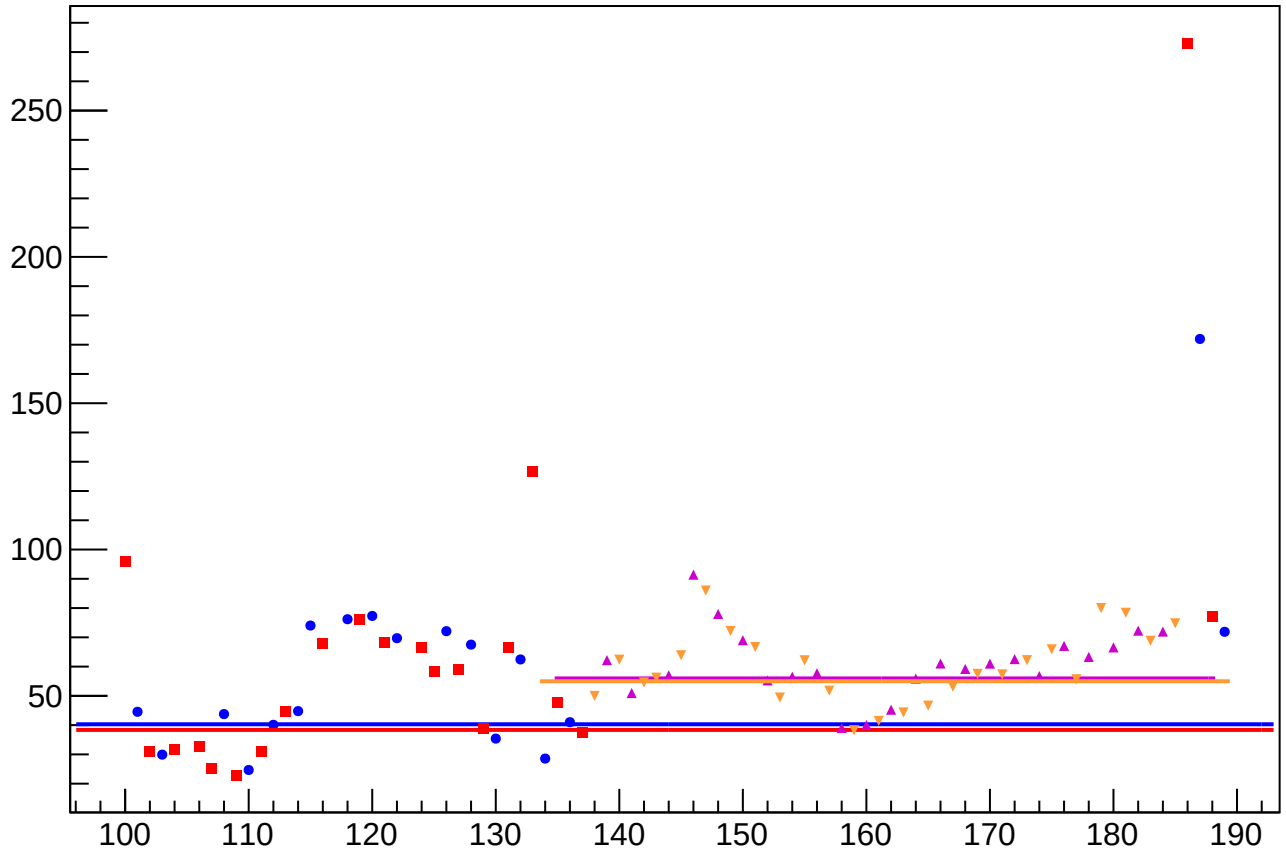
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.016+/-0.011 χ^2/NDF: 56.3/38

In: 0.013+/-0.010 χ^2/NDF:50.5/40

Out: 0.000+/-0.010 χ^2/NDF:46.8/45

All: 0.006+/-0.007 χ^2/NDF: 98.0/86



Right In: 40.292+/-0.011 χ^2/NDF: 1970204.4/17

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173144.2/20

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

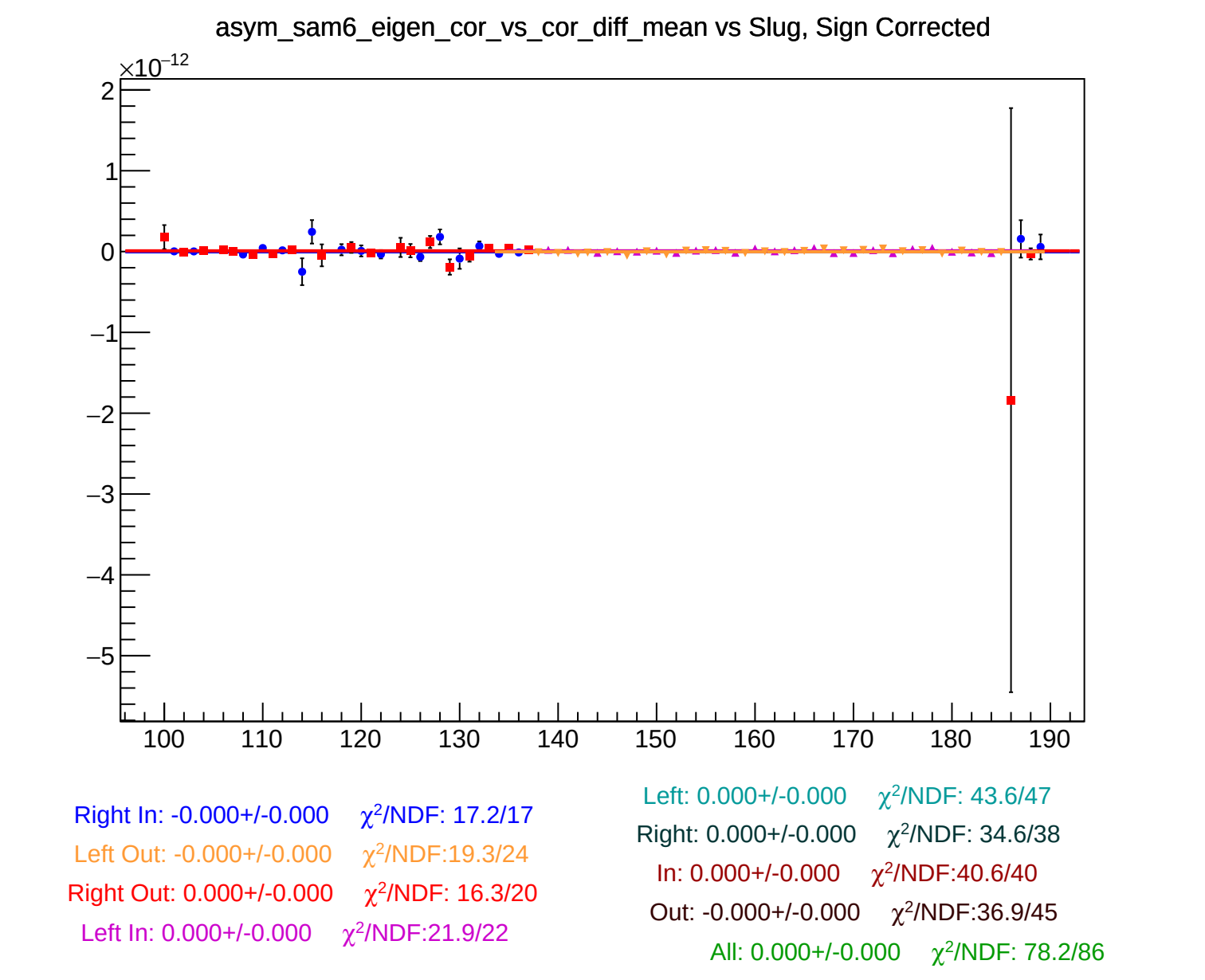
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

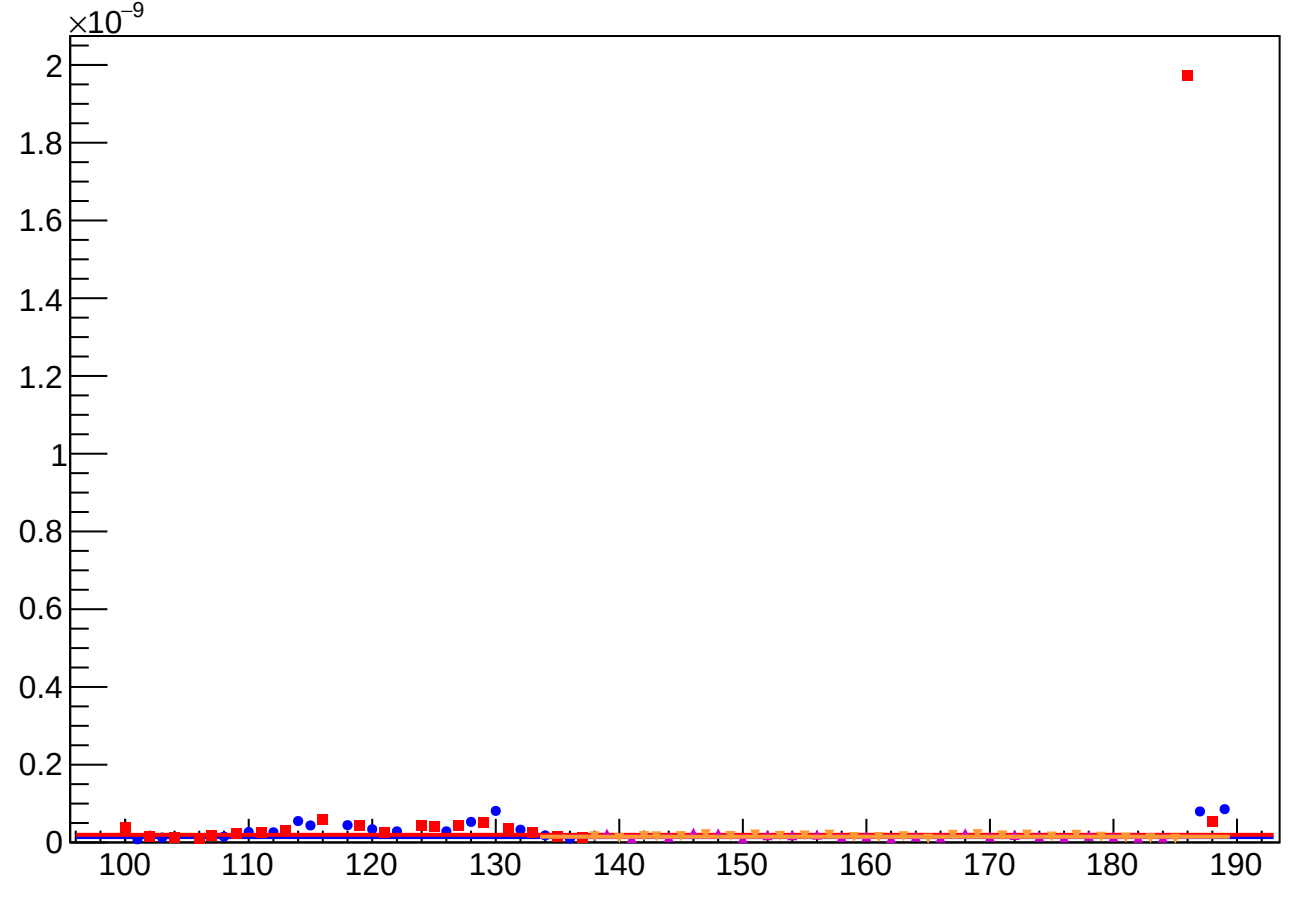
Right: 39.268+/-0.008 χ^2/NDF: 5159089.7/38

In: 49.346+/-0.007 χ^2/NDF:4509418.1/40

Out: 47.798+/-0.007 χ^2/NDF:6163546.3/45

All: 48.532+/-0.005 χ^2/NDF: 10696827.7/86


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.2/17
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/20
Left In: 0.000+/-0.000 χ²/NDF:21.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.6/47
Right: 0.000+/-0.000 χ²/NDF: 34.6/38
In: 0.000+/-0.000 χ²/NDF:40.6/40
Out: -0.000+/-0.000 χ²/NDF:36.9/45
All: 0.000+/-0.000 χ²/NDF: 78.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 3790375.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3137546.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

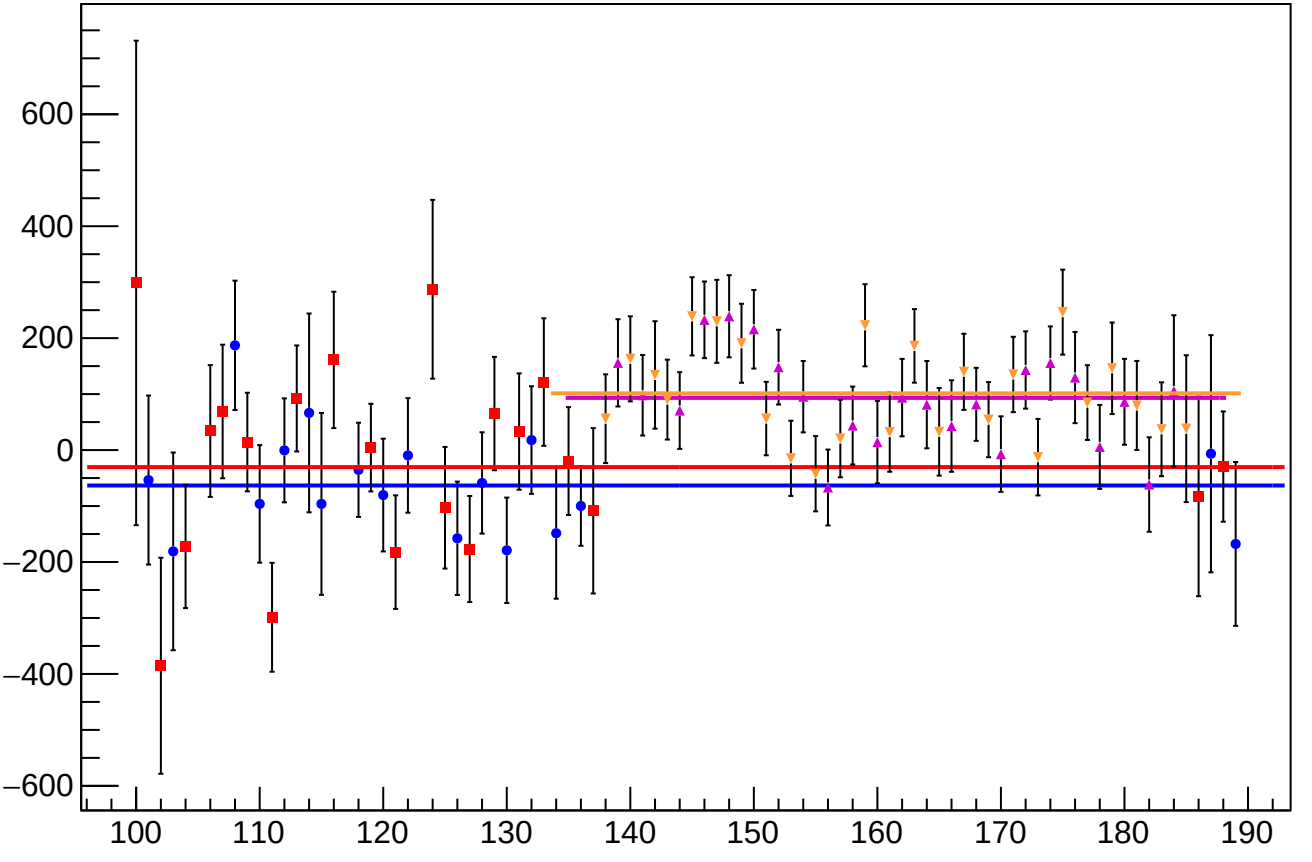
Right: 0.000+/-0.000 χ^2/NDF: 7435587.1/38

In: 0.000+/-0.000 χ^2/NDF:5253761.0/40

Out: 0.000+/-0.000 χ^2/NDF:5018767.1/45

All: 0.000+/-0.000 χ^2/NDF: 10339573.0/86

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -63.297+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.431+/-24.105 χ^2/NDF: 31.3/20

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

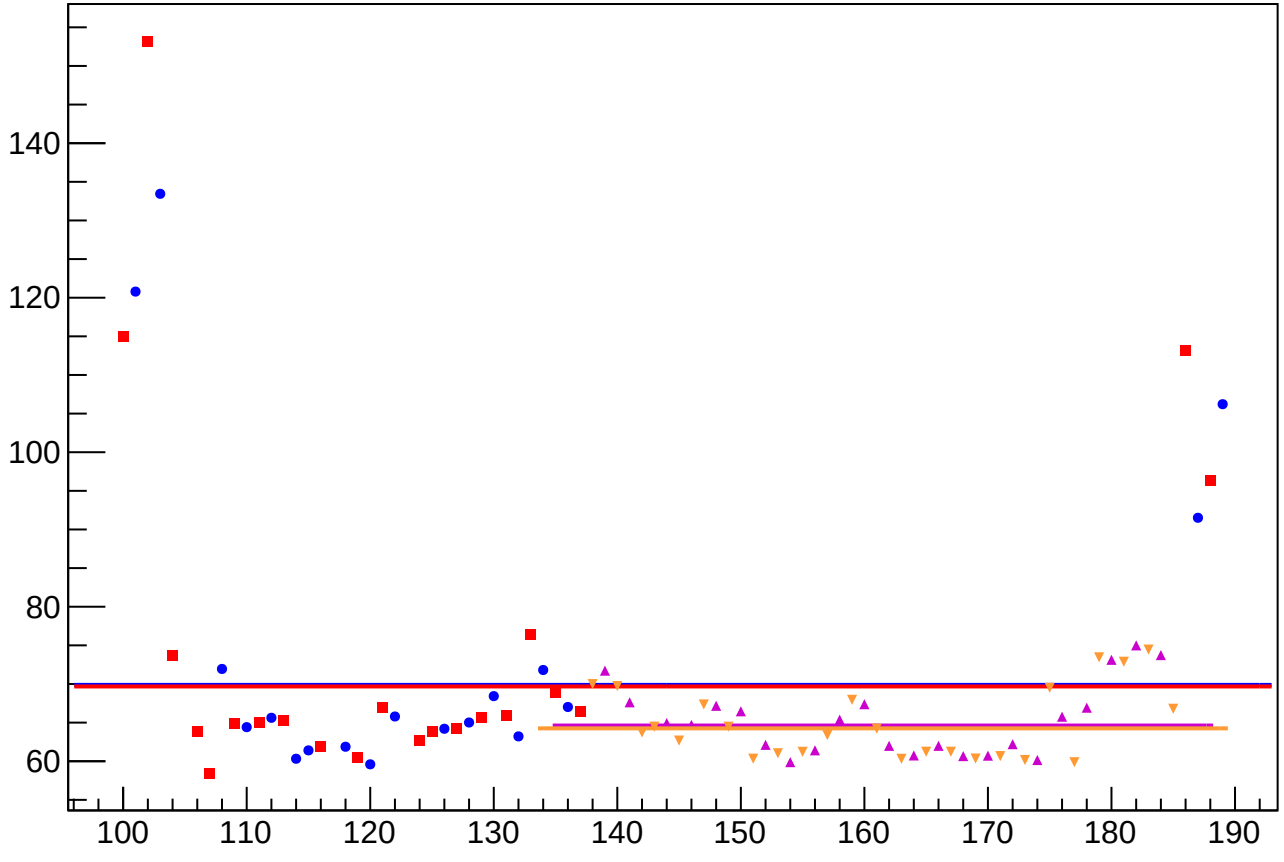
Right: -45.963+/-17.506 χ^2/NDF: 43.3/38

In: 52.367+/-13.011 χ^2/NDF:67.9/40

Out: 65.814+/-12.514 χ^2/NDF:87.0/45

All: 59.353+/-9.019 χ^2/NDF: 155.5/86

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 69.882+/-0.018 χ^2/NDF: 720117.9/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.679+/-0.017 χ^2/NDF: 768604.5/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

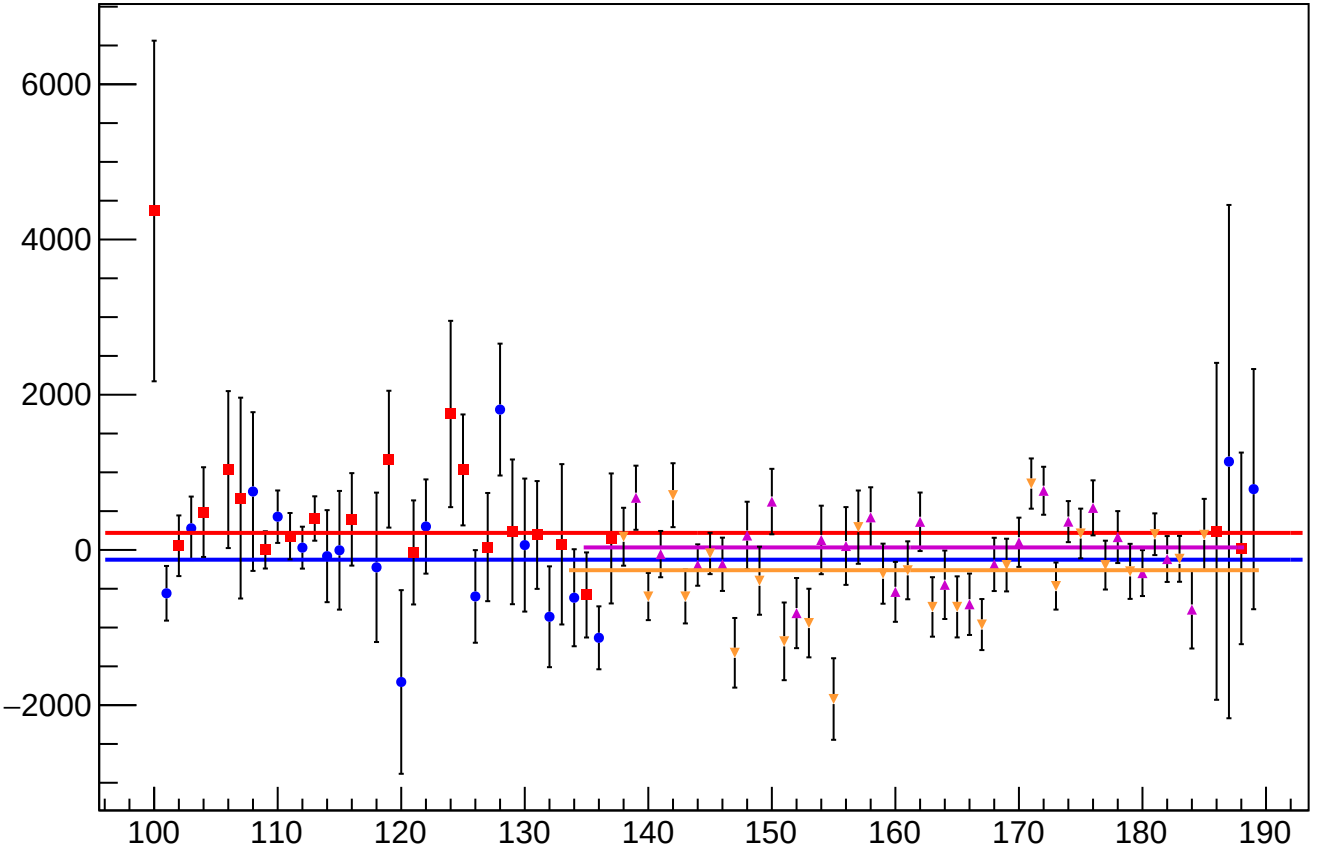
Right: 69.775+/-0.012 χ^2/NDF: 1488789.1/38

In: 65.995+/-0.009 χ^2/NDF:930390.8/40

Out: 65.717+/-0.009 χ^2/NDF:1020269.9/45

All: 65.851+/-0.006 χ^2/NDF: 1951132.4/86

asym_sam7_reg_correction_mean vs Slug, Sign Corrected



Right In: -125.739+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 219.568+/-117.079 χ^2/NDF: 12.6/20

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

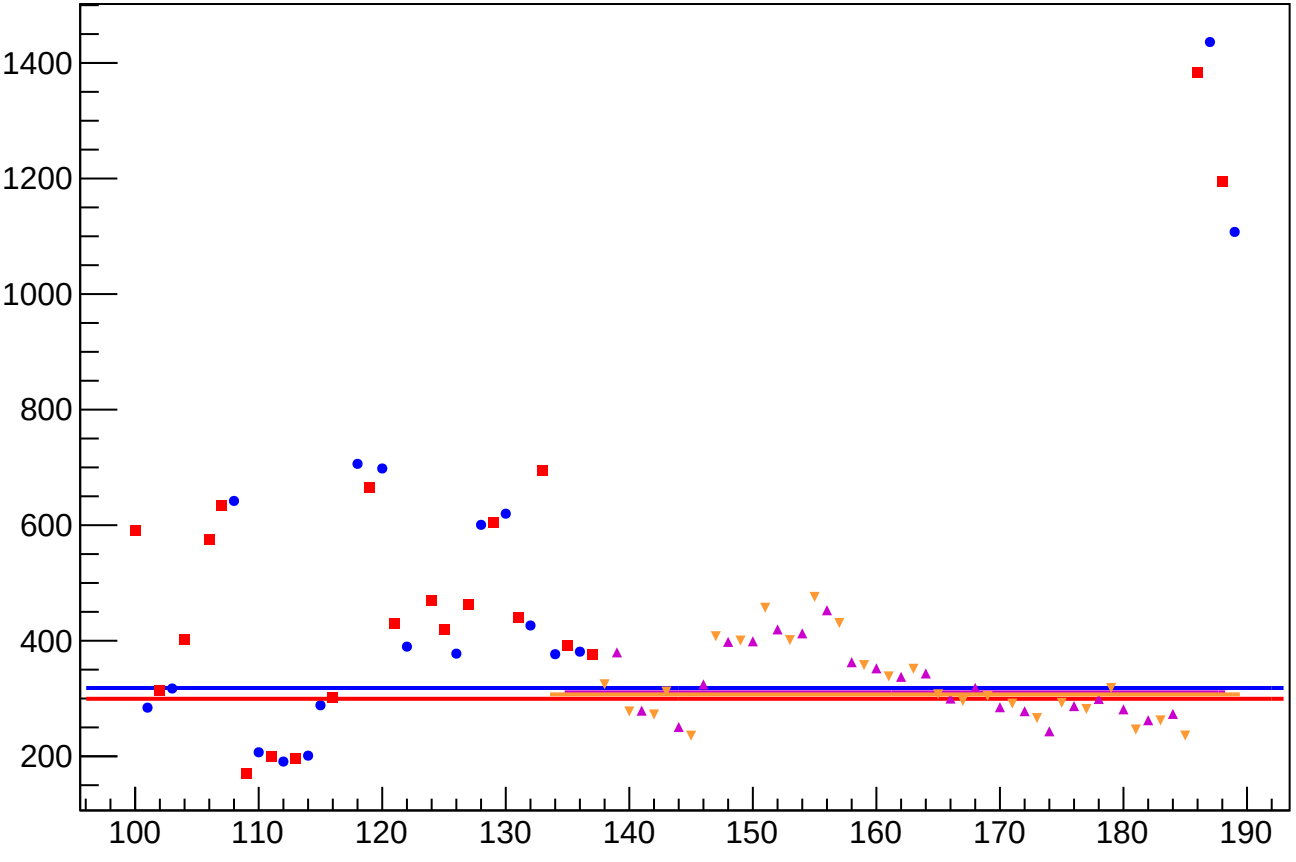
Right: 58.748+/-85.578 χ^2/NDF: 39.6/38

In: -8.295+/-63.627 χ^2/NDF:55.9/40

Out: -131.164+/-60.877 χ^2/NDF:83.7/45

All: -72.442+/-43.986 χ^2/NDF: 141.5/86

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 318.231+/-0.089 χ^2/NDF: 2878635.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 299.543+/-0.083 χ^2/NDF: 4283546.3/20

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

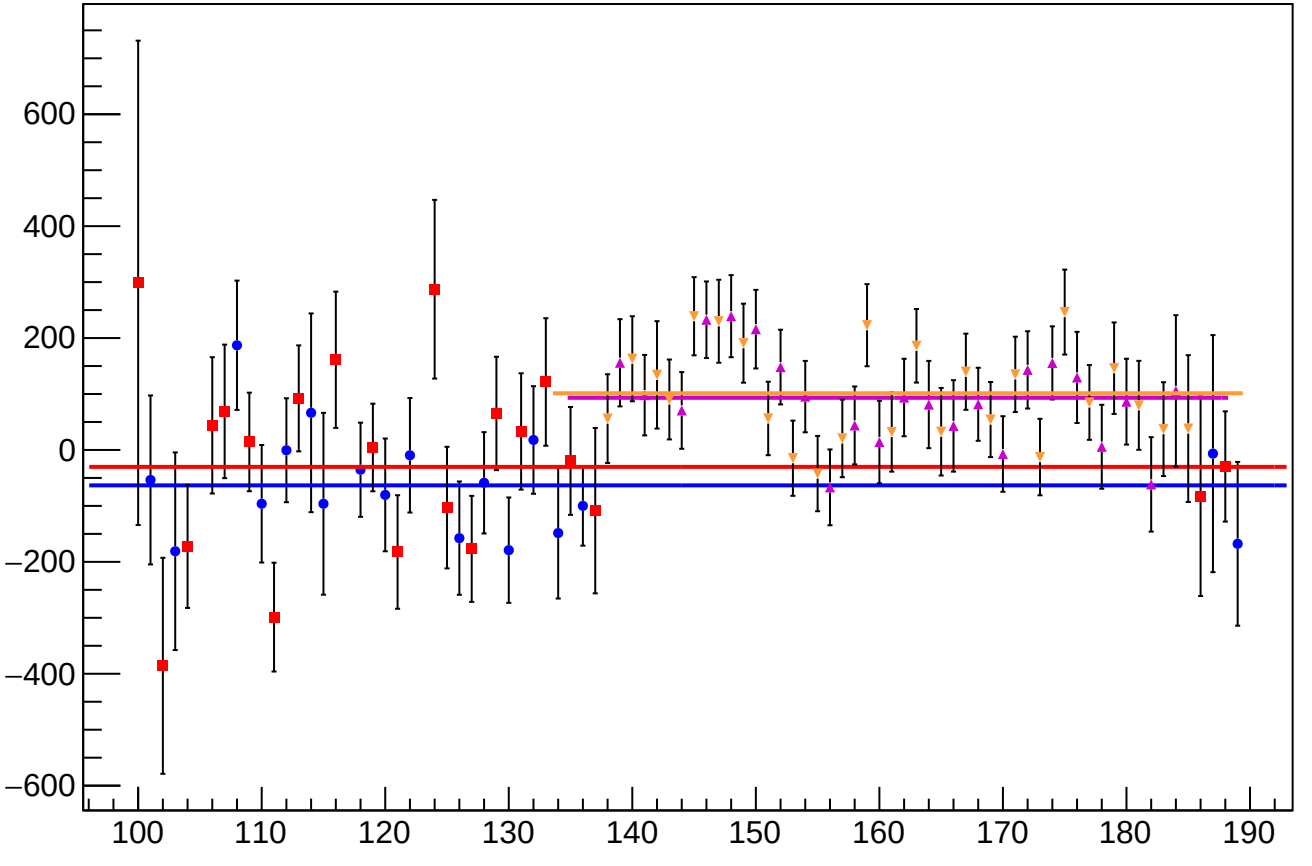
Right: 308.247+/-0.061 χ^2/NDF: 7185914.8/38

In: 312.637+/-0.045 χ^2/NDF:3963472.1/40

Out: 305.088+/-0.043 χ^2/NDF:5609847.2/45

All: 308.696+/-0.031 χ^2/NDF: 9588016.3/86

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -63.300+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.218+/-24.138 χ^2/NDF: 31.4/20

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

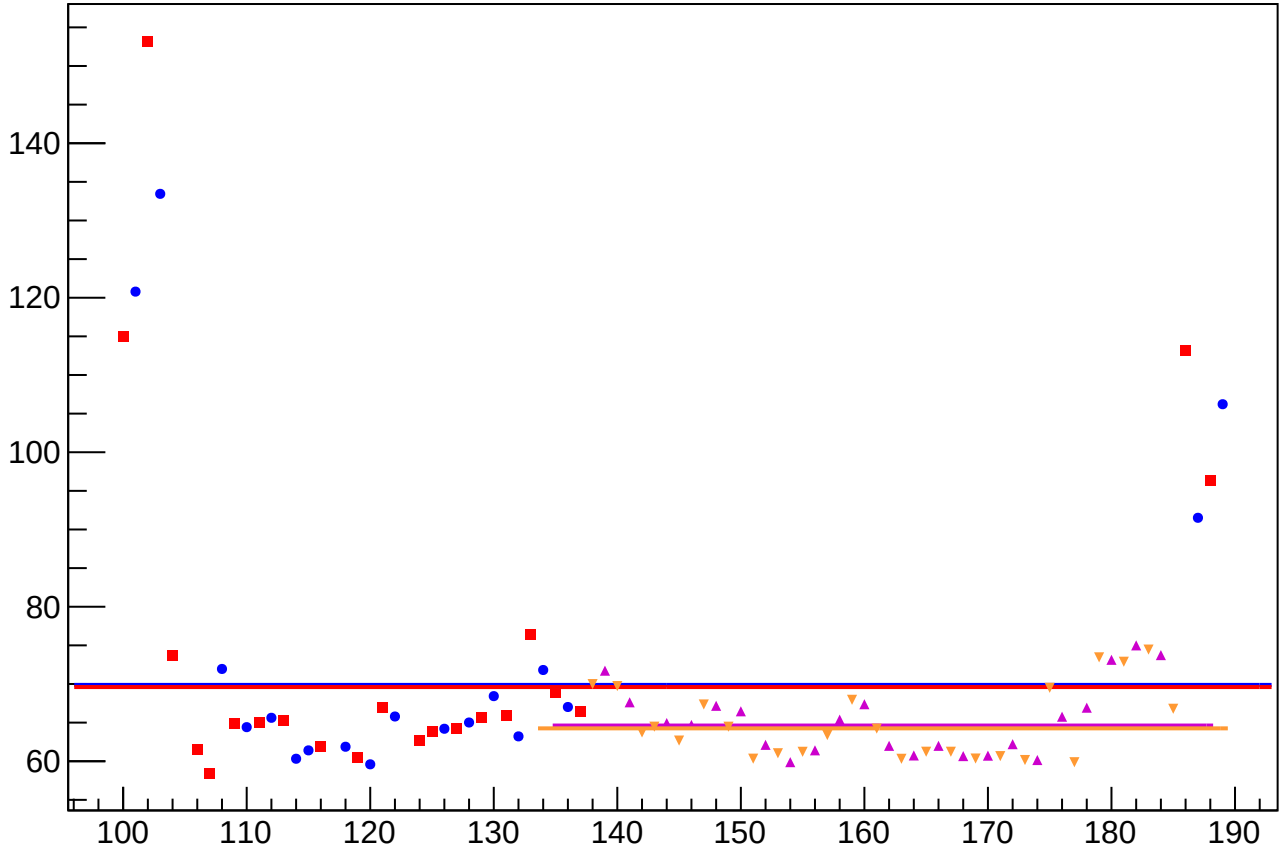
Right: -45.875+/-17.518 χ^2/NDF: 43.4/38

In: 52.366+/-13.011 χ^2/NDF:67.9/40

Out: 65.943+/-12.519 χ^2/NDF:87.0/45

All: 59.417+/-9.021 χ^2/NDF: 155.4/86

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 69.882+/-0.018 χ^2/NDF: 720118.3/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.603+/-0.017 χ^2/NDF: 772714.6/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

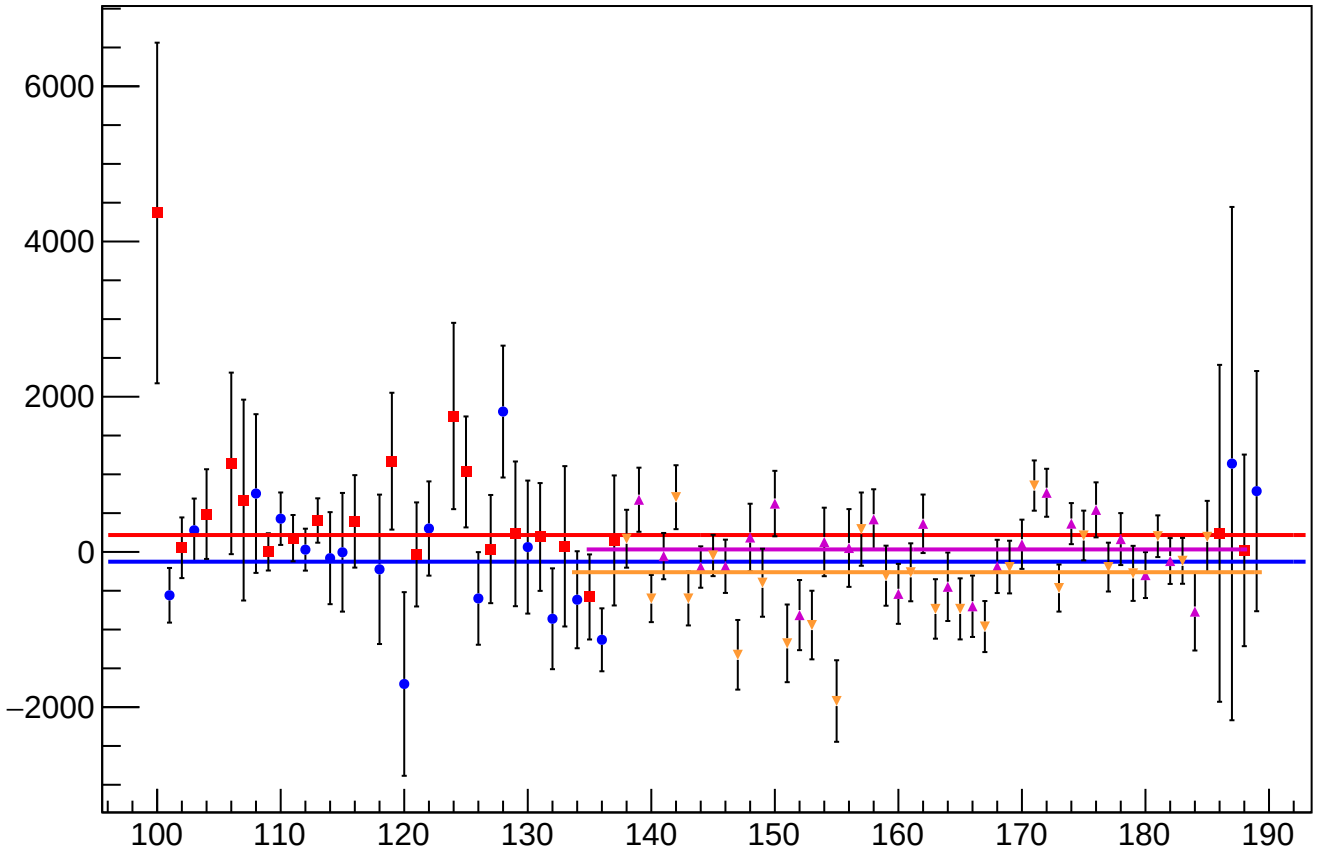
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 69.735+/-0.012 χ^2/NDF: 1492959.5/38

In: 65.995+/-0.009 χ^2/NDF:930391.1/40

Out: 65.694+/-0.009 χ^2/NDF:1022155.0/45

All: 65.838+/-0.006 χ^2/NDF: 1953101.4/86



Right In: -125.735+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 217.874+/-117.283 χ^2/NDF: 12.5/20

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

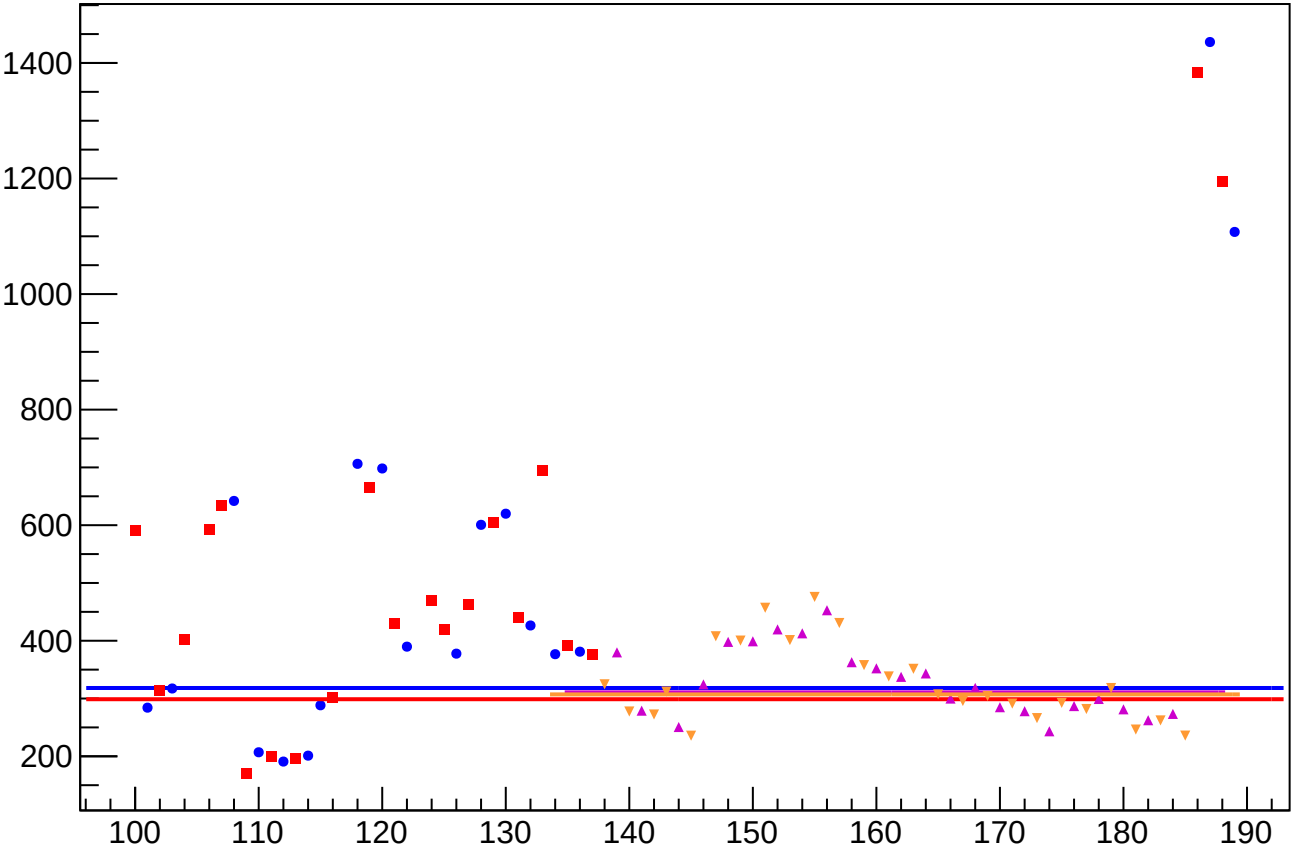
Right: 57.549+/-85.657 χ^2/NDF: 39.5/38

In: -8.297+/-63.627 χ^2/NDF:55.9/40

Out: -131.950+/-60.905 χ^2/NDF:83.5/45

All: -72.824+/-43.997 χ^2/NDF: 141.4/86

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 318.233+/-0.089 χ^2/NDF: 2878633.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 298.800+/-0.083 χ^2/NDF: 4260946.0/20

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

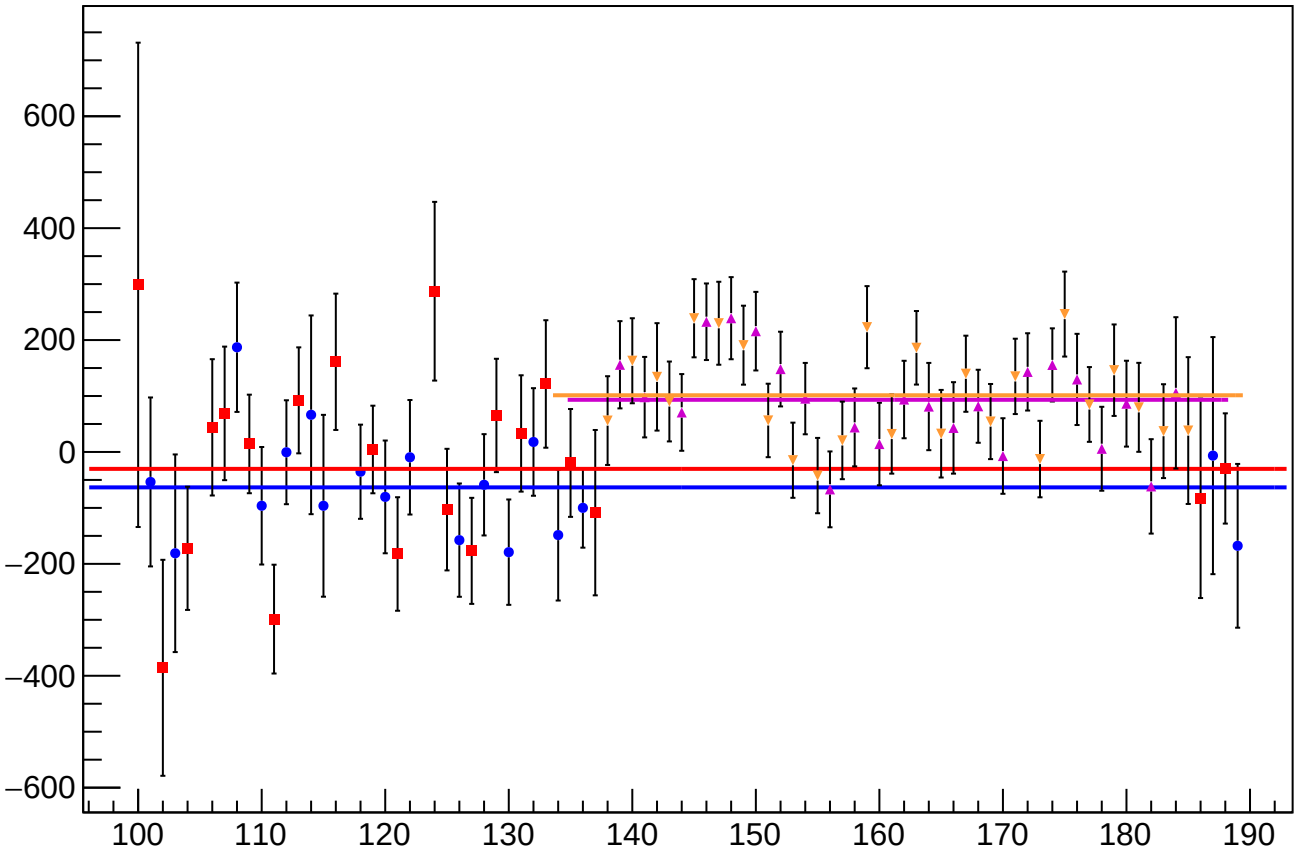
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 307.867+/-0.061 χ^2/NDF: 7165200.5/38

In: 312.638+/-0.045 χ^2/NDF:3963476.2/40

Out: 304.893+/-0.043 χ^2/NDF:5588485.1/45

All: 308.596+/-0.031 χ^2/NDF: 9567423.8/86



Right In: -63.300+/-25.464 χ^2/NDF: 11.2/17

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.218+/-24.138 χ^2/NDF: 31.4/20

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

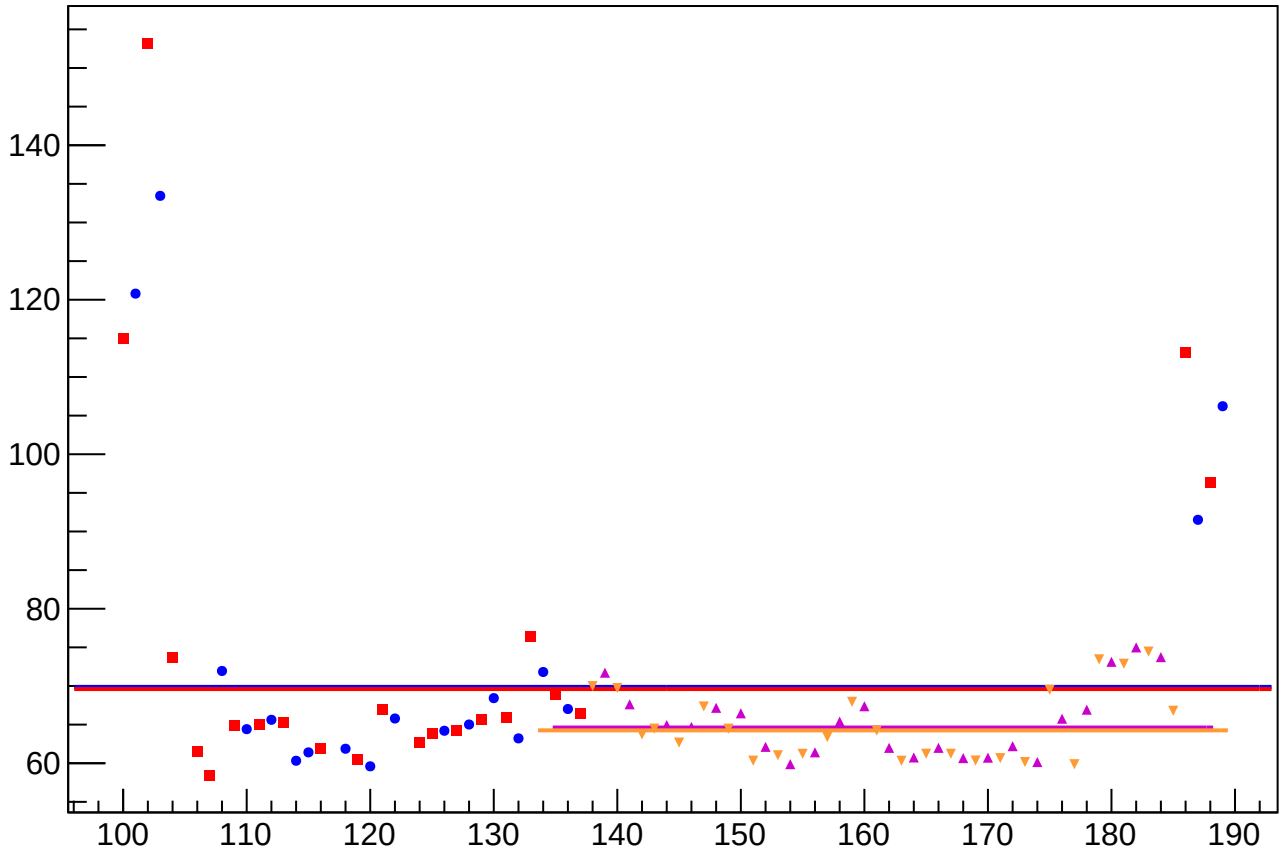
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -45.875+/-17.518 χ^2/NDF: 43.4/38

In: 52.366+/-13.011 χ^2/NDF:67.9/40

Out: 65.943+/-12.519 χ^2/NDF:87.0/45

All: 59.417+/-9.021 χ^2/NDF: 155.4/86



Right In: 69.882+/-0.018 χ^2/NDF: 720118.3/17

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.603+/-0.017 χ^2/NDF: 772714.6/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

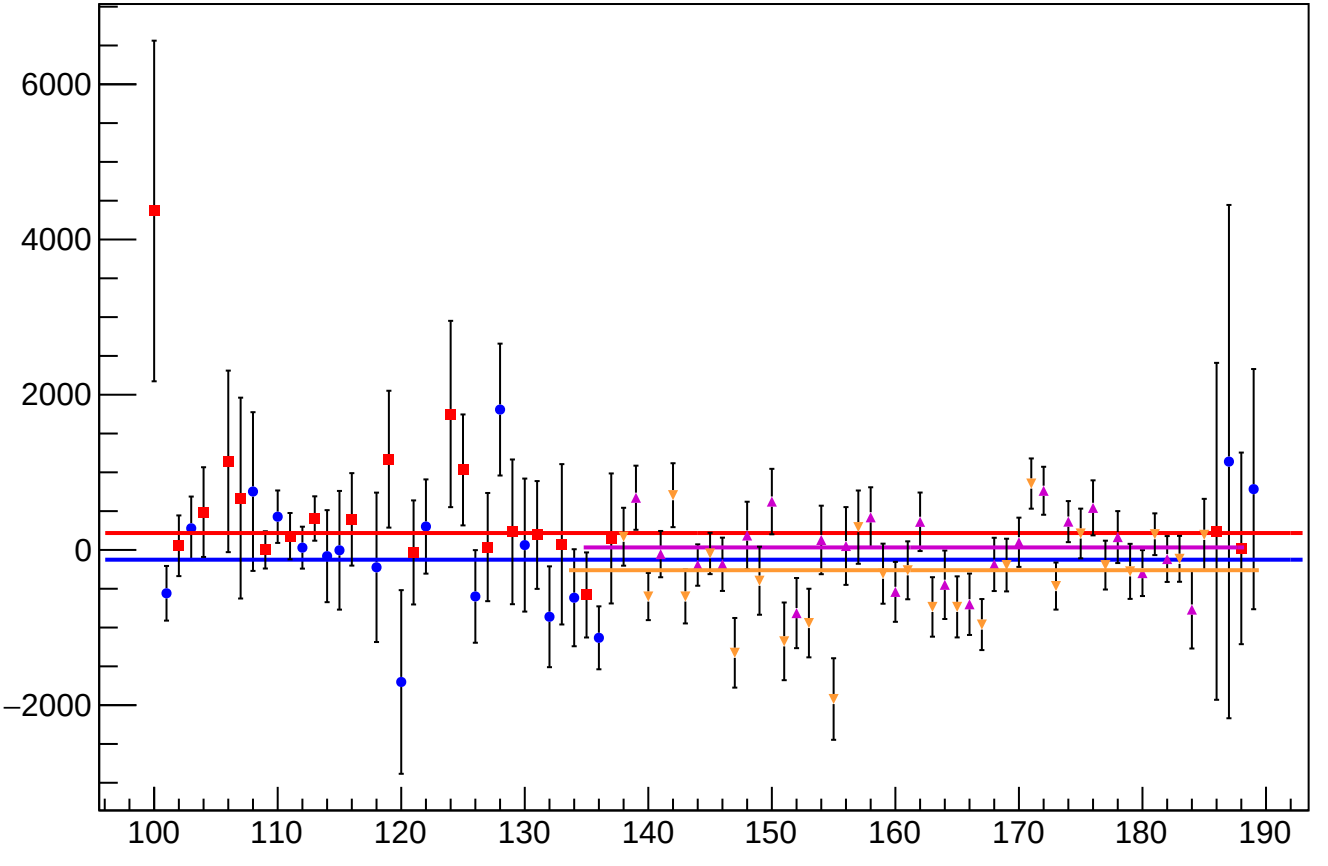
Right: 69.735+/-0.012 χ^2/NDF: 1492959.5/38

In: 65.995+/-0.009 χ^2/NDF:930391.1/40

Out: 65.694+/-0.009 χ^2/NDF:1022155.0/45

All: 65.838+/-0.006 χ^2/NDF: 1953101.4/86

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -125.735+/-125.399 χ^2/NDF: 23.0/17

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 217.874+/-117.283 χ^2/NDF: 12.5/20

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

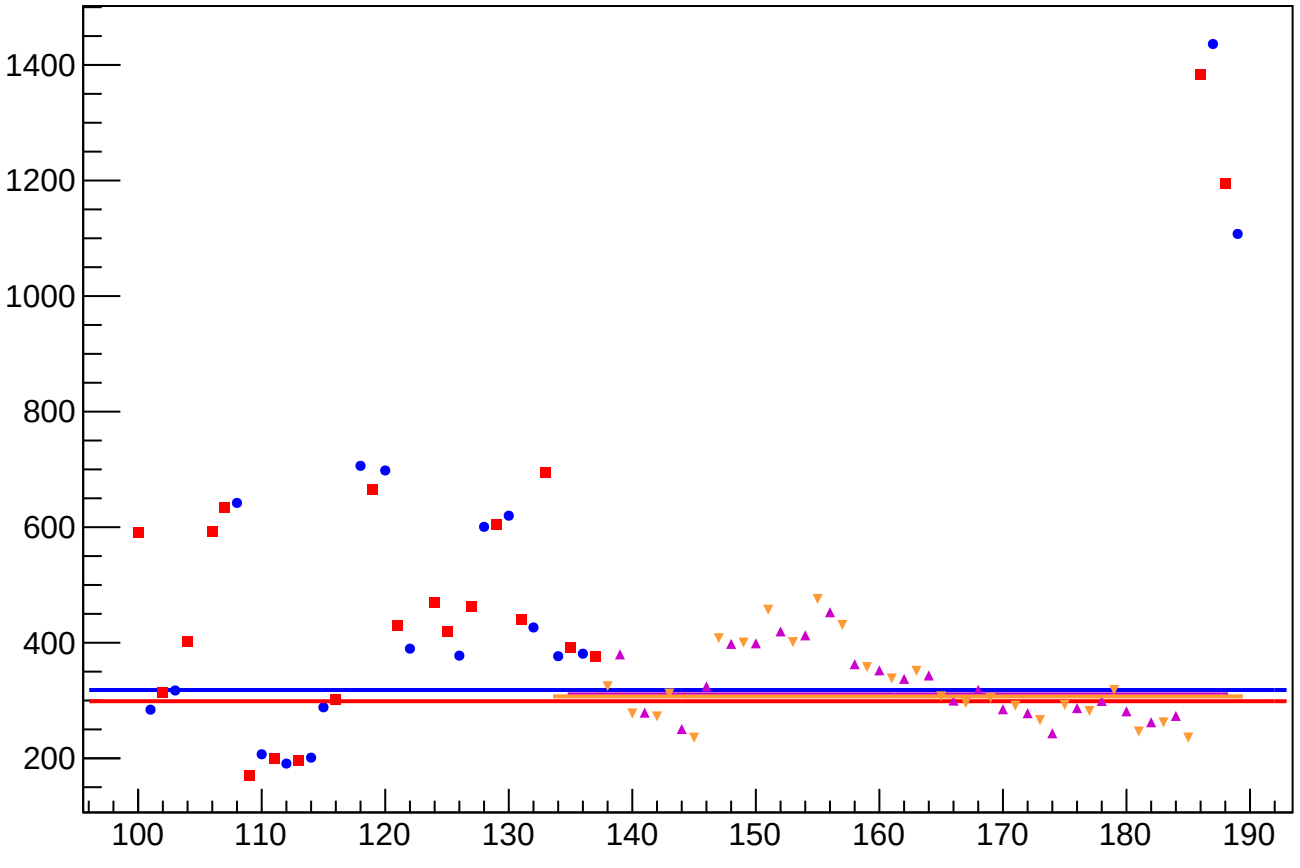
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 57.549+/-85.657 χ^2/NDF: 39.5/38

In: -8.297+/-63.627 χ^2/NDF:55.9/40

Out: -131.950+/-60.905 χ^2/NDF:83.5/45

All: -72.824+/-43.997 χ^2/NDF: 141.4/86



Right In: 318.233+/-0.089 χ^2/NDF: 2878633.2/17

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 298.800+/-0.083 χ^2/NDF: 4260946.0/20

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

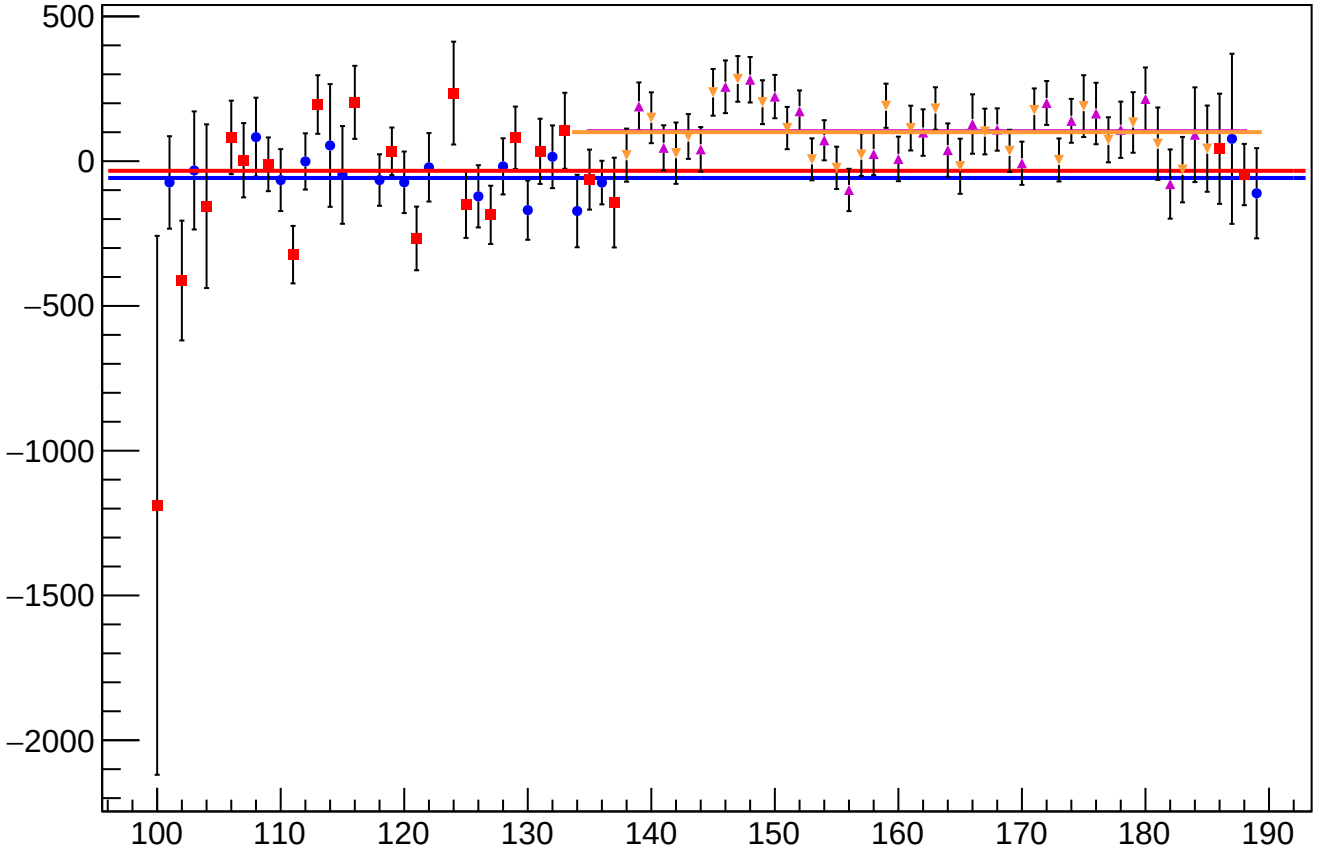
Right: 307.867+/-0.061 χ^2/NDF: 7165200.5/38

In: 312.638+/-0.045 χ^2/NDF:3963476.2/40

Out: 304.893+/-0.043 χ^2/NDF:5588485.1/45

All: 308.596+/-0.031 χ^2/NDF: 9567423.8/86

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -58.012+/-27.520 χ^2/NDF: 5.2/17

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -33.320+/-26.270 χ^2/NDF: 37.3/20

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

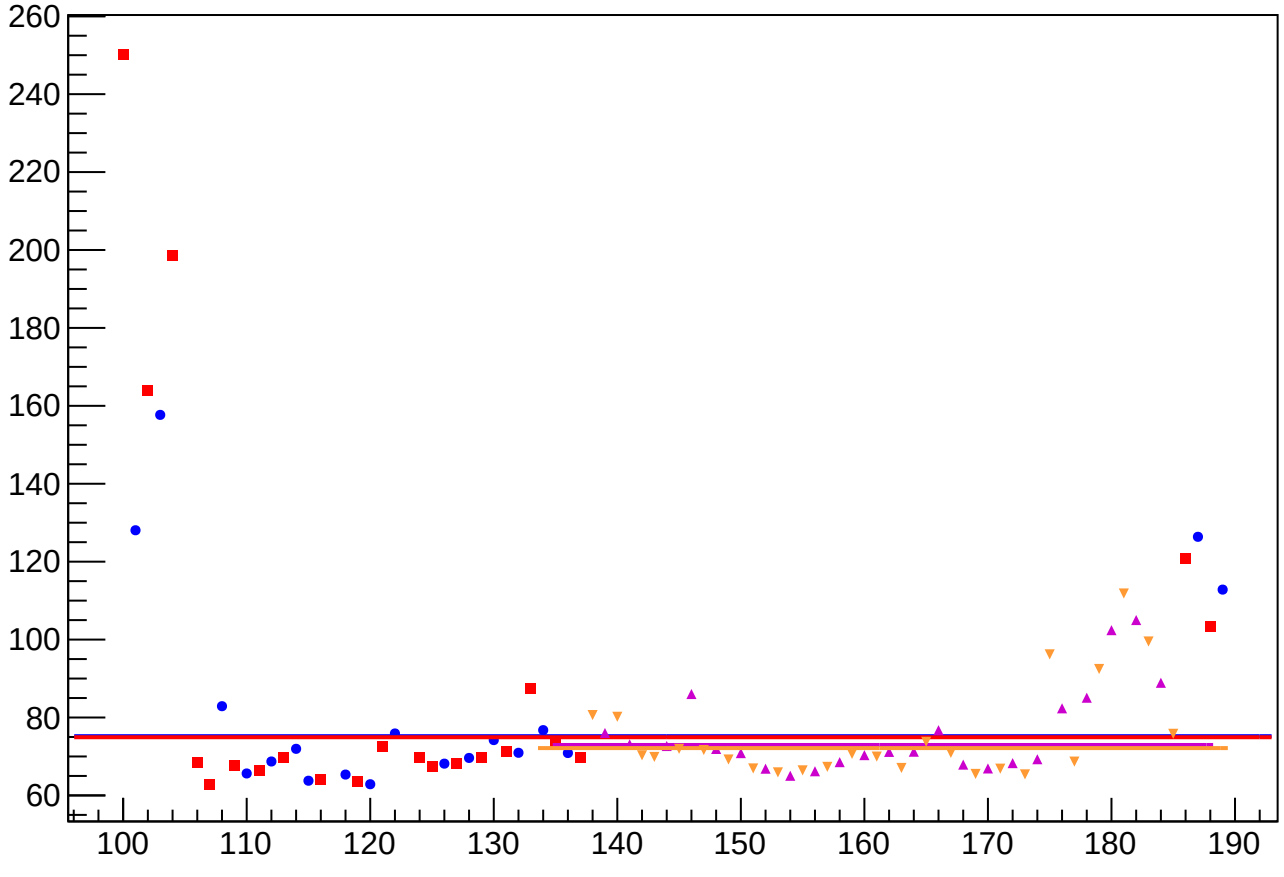
Right: -45.093+/-19.002 χ^2/NDF: 42.9/38

In: 57.803+/-14.622 χ^2/NDF:62.6/40

Out: 62.072+/-14.048 χ^2/NDF:83.5/45

All: 60.023+/-10.131 χ^2/NDF: 146.1/86

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.209+/-0.019 χ^2/NDF: 841383.9/17

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 74.935+/-0.019 χ^2/NDF: 1241587.1/20

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

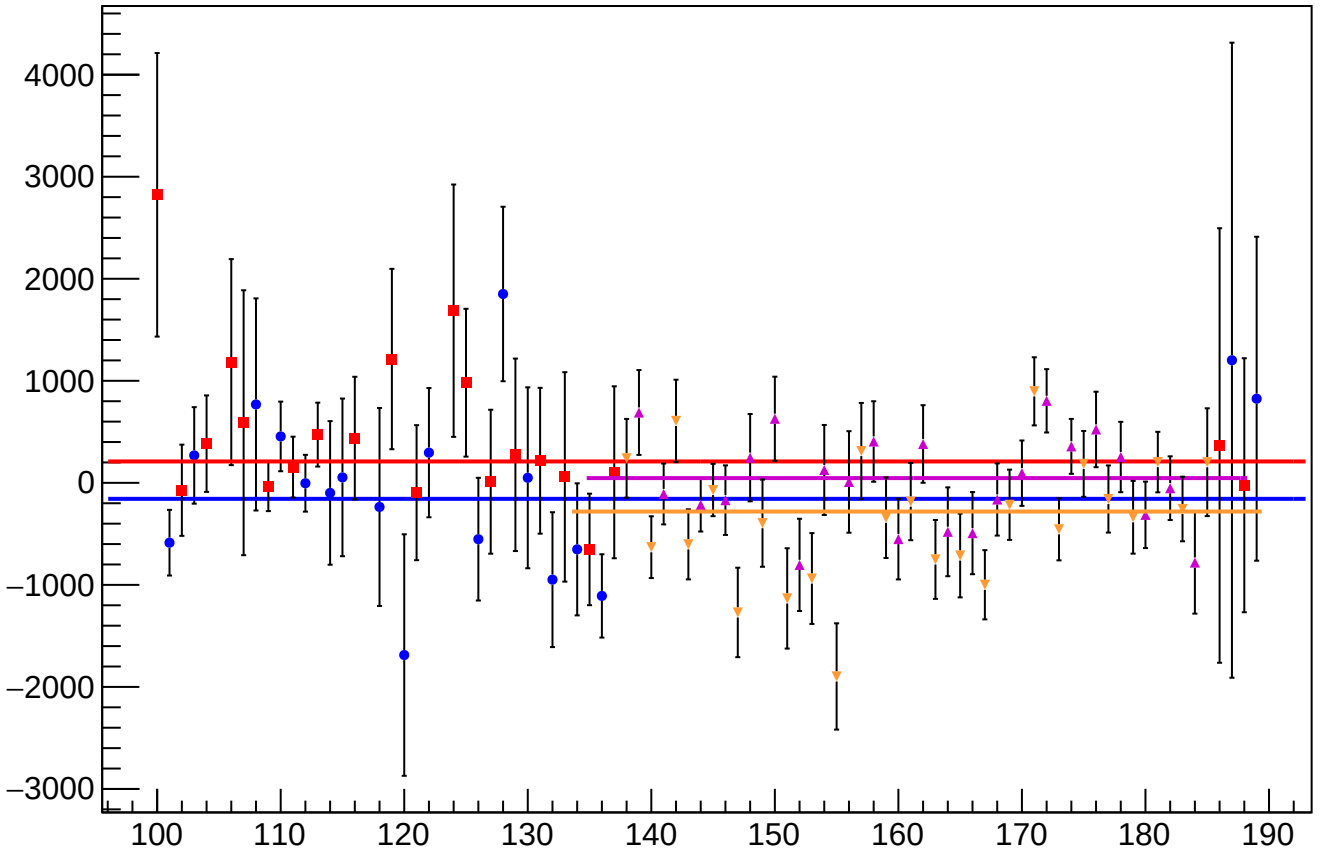
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 75.066+/-0.013 χ^2/NDF: 2083075.4/38

In: 73.587+/-0.010 χ^2/NDF:1360103.0/40

Out: 72.946+/-0.010 χ^2/NDF:1899606.4/45

All: 73.253+/-0.007 χ^2/NDF: 3261705.1/86



Right In: -156.762+/-127.911 χ^2/NDF: 23.2/17

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 209.674+/-119.378 χ^2/NDF: 13.7/20

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

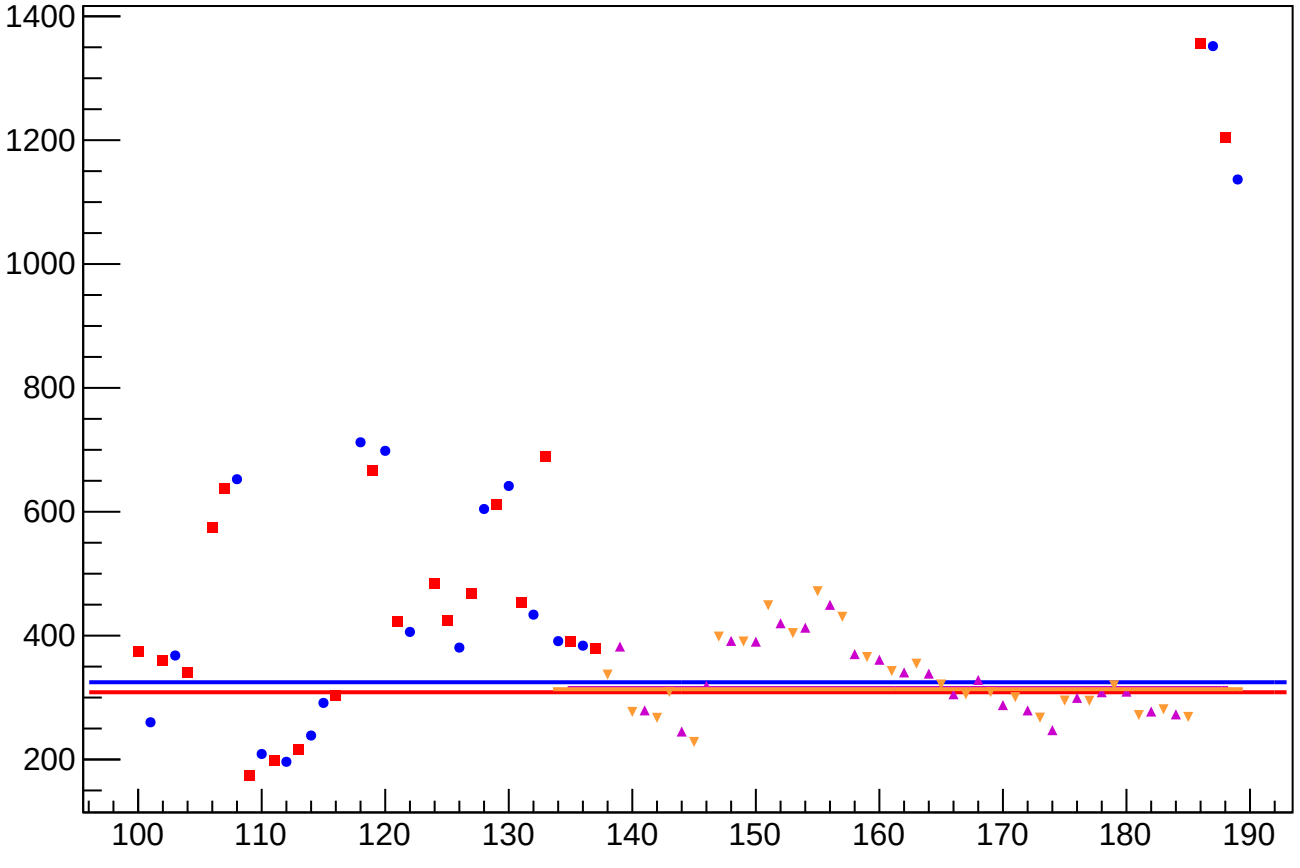
Right: 39.085+/-87.274 χ^2/NDF: 41.2/38

In: -5.346+/-64.632 χ^2/NDF:55.8/40

Out: -148.837+/-61.991 χ^2/NDF:82.8/45

All: -80.083+/-44.739 χ^2/NDF: 141.2/86

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 324.728+/-0.090 χ^2/NDF: 2883157.4/17

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 308.570+/-0.084 χ^2/NDF: 4081365.5/20

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

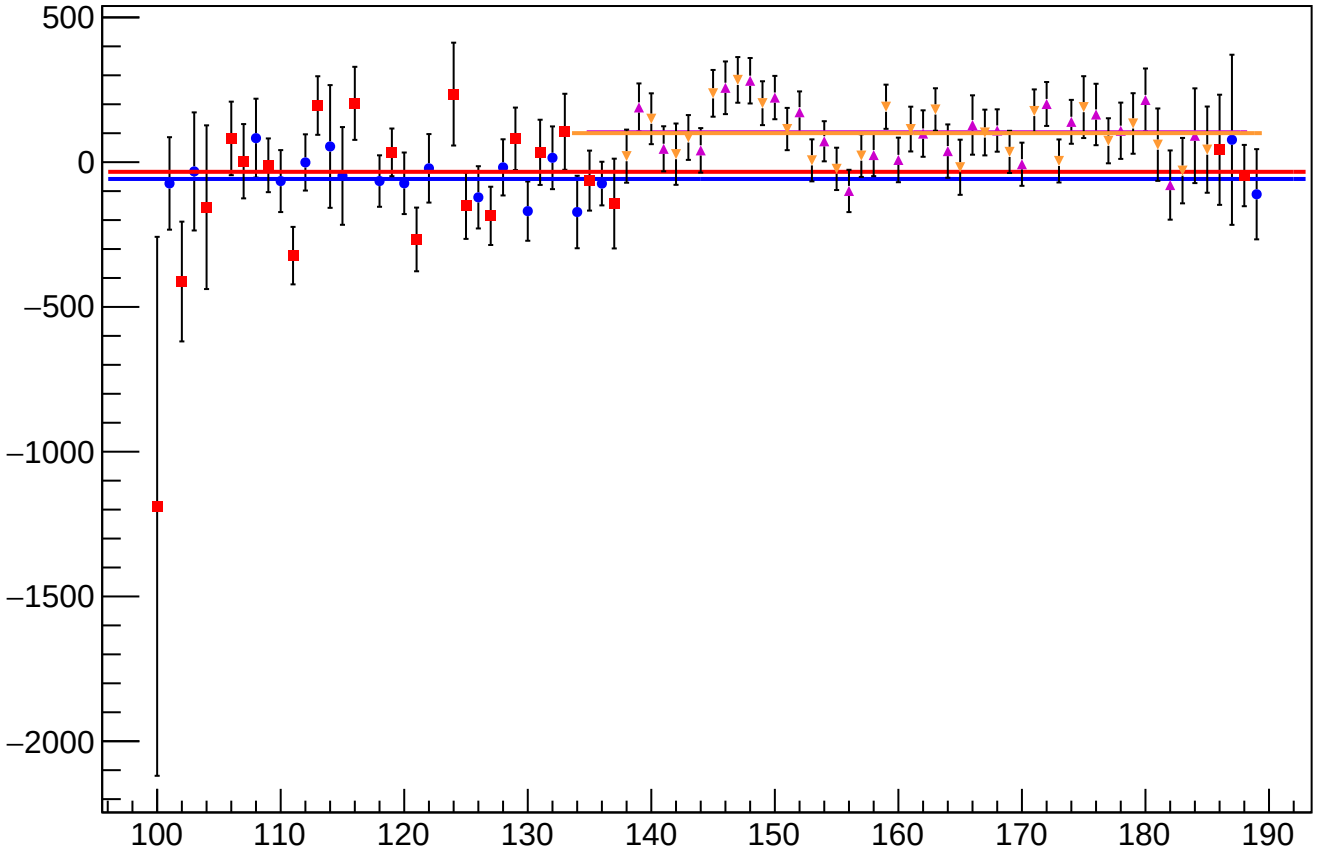
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 316.092+/-0.062 χ^2/NDF: 6981578.7/38

In: 317.823+/-0.046 χ^2/NDF:3899507.0/40

Out: 312.171+/-0.044 χ^2/NDF:5259385.8/45

All: 314.879+/-0.032 χ^2/NDF: 9166858.7/86



Right In: -58.011+/-27.520 χ^2/NDF: 5.2/17

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -33.321+/-26.270 χ^2/NDF: 37.3/20

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

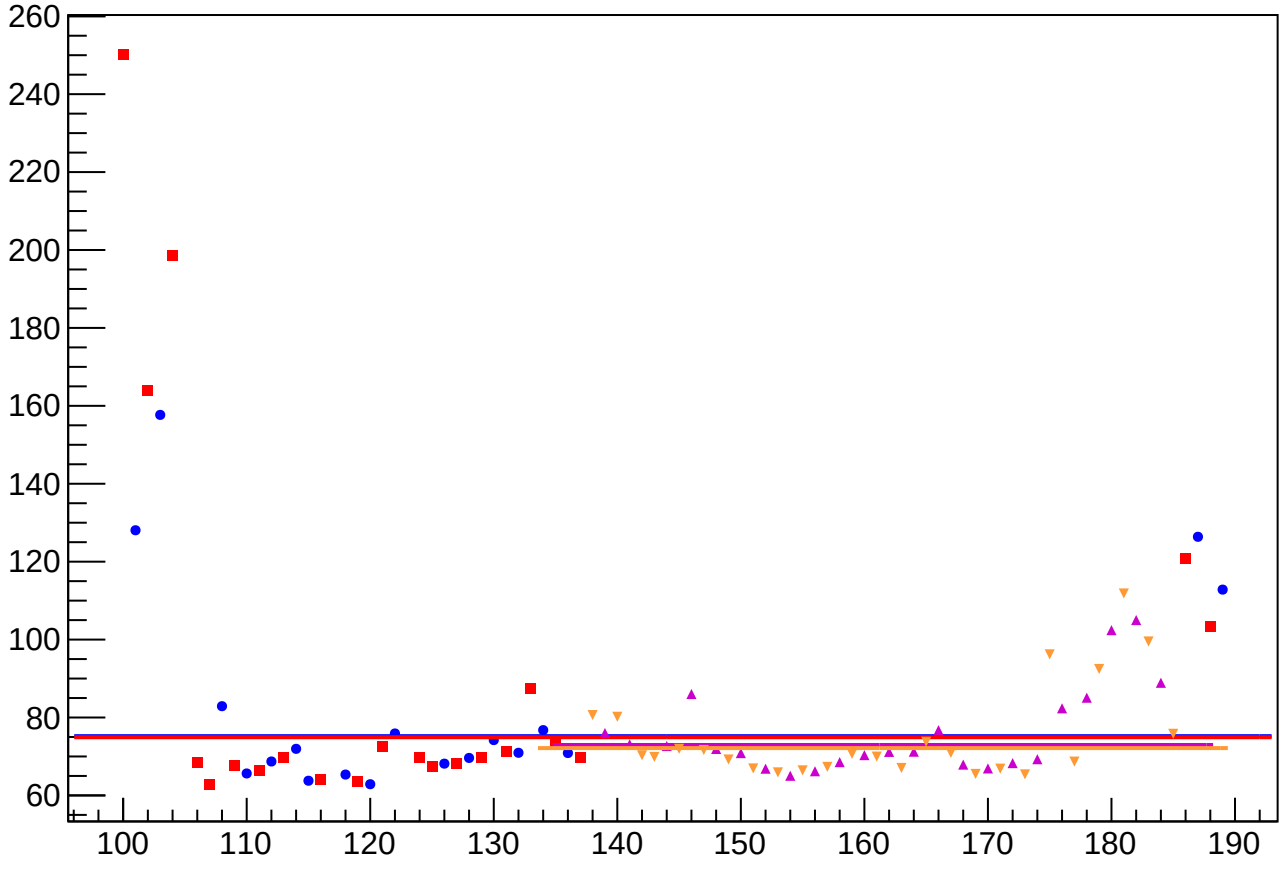
Right: -45.093+/-19.002 χ^2/NDF: 42.9/38

In: 57.803+/-14.622 χ^2/NDF:62.6/40

Out: 62.072+/-14.048 χ^2/NDF:83.5/45

All: 60.023+/-10.131 χ^2/NDF: 146.1/86

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.209+/-0.019 χ^2/NDF: 841388.6/17

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 74.934+/-0.019 χ^2/NDF: 1241585.4/20

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

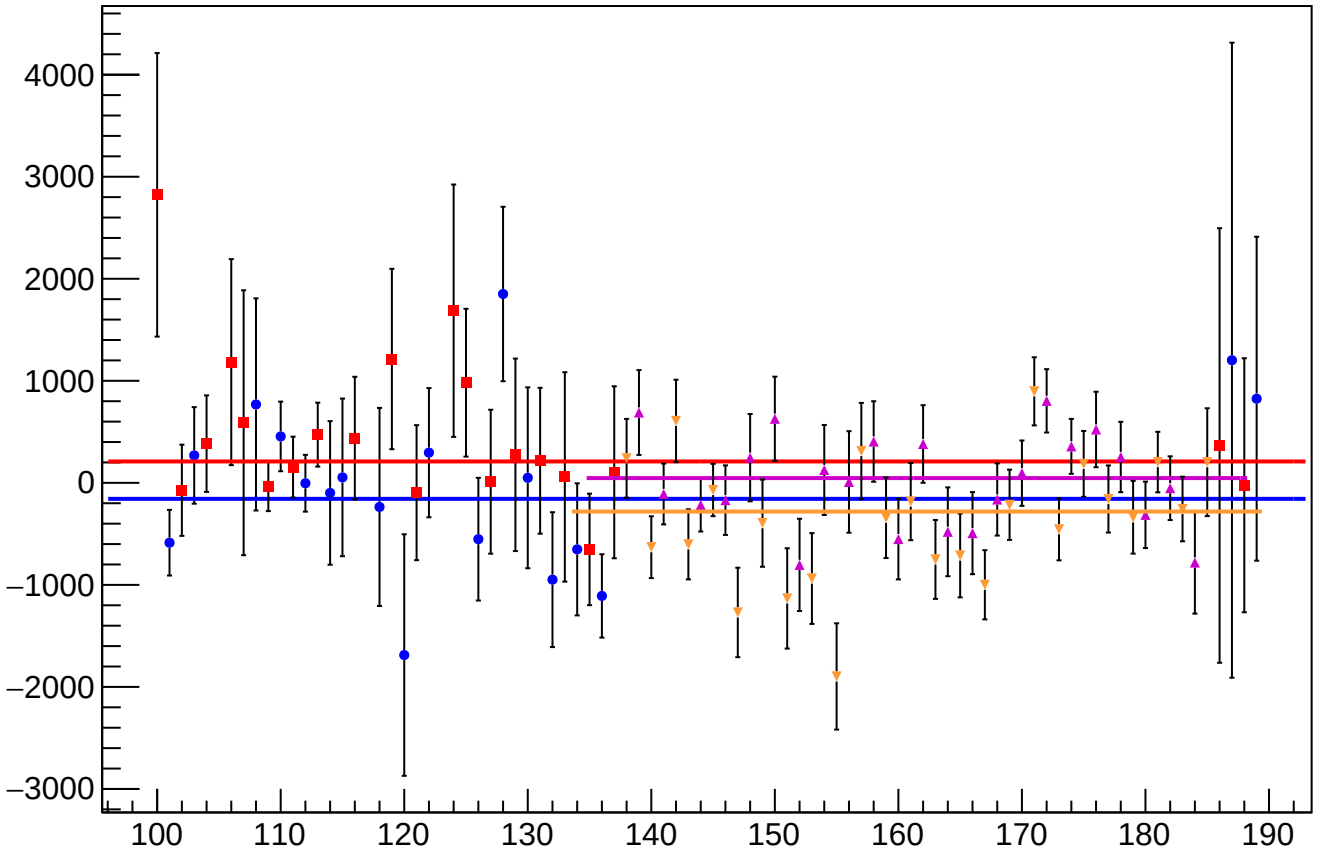
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 75.066+/-0.013 χ^2/NDF: 2083078.4/38

In: 73.587+/-0.010 χ^2/NDF:1360106.9/40

Out: 72.946+/-0.010 χ^2/NDF:1899600.6/45

All: 73.253+/-0.007 χ^2/NDF: 3261703.4/86



Right In: -156.761+/-127.910 χ^2/NDF: 23.2/17

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 209.673+/-119.378 χ^2/NDF: 13.7/20

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

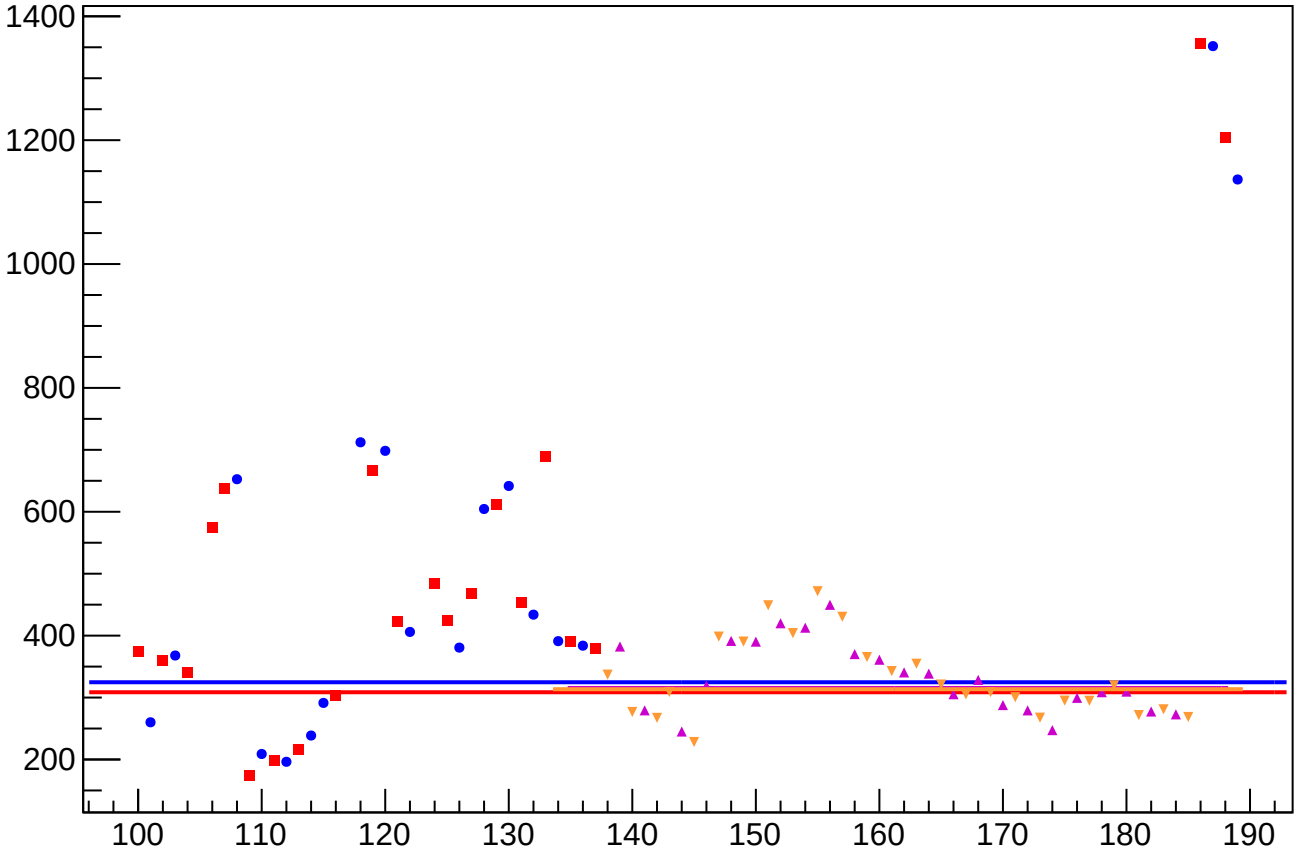
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 39.085+/-87.273 χ^2/NDF: 41.2/38

In: -5.346+/-64.632 χ^2/NDF:55.8/40

Out: -148.837+/-61.991 χ^2/NDF:82.8/45

All: -80.083+/-44.739 χ^2/NDF: 141.2/86



Right In: 324.725+/-0.090 χ^2/NDF: 2883192.6/17

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 308.569+/-0.084 χ^2/NDF: 4081380.2/20

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

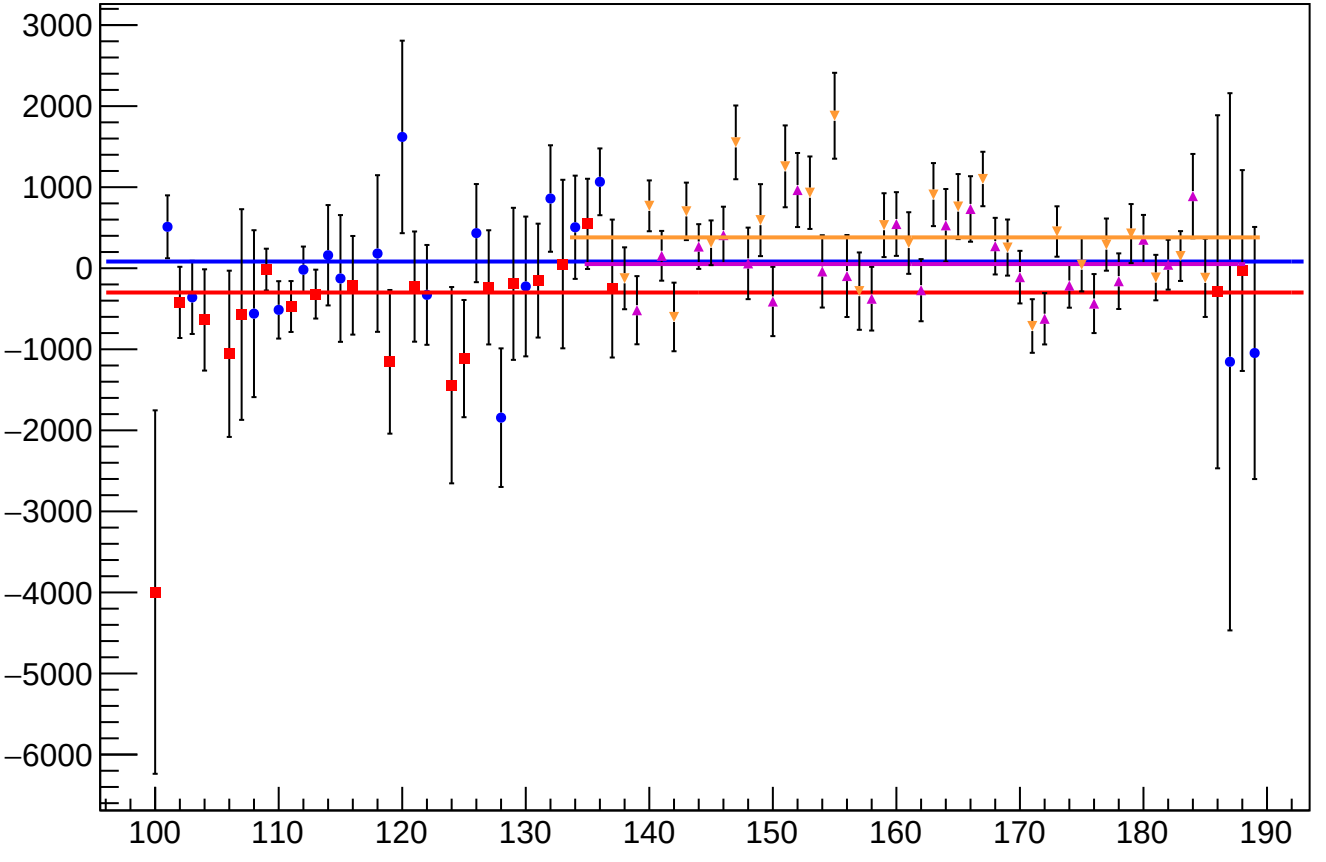
Right: 316.090+/-0.062 χ^2/NDF: 6981626.8/38

In: 317.822+/-0.046 χ^2/NDF:3899536.3/40

Out: 312.170+/-0.044 χ^2/NDF:5259407.6/45

All: 314.879+/-0.032 χ^2/NDF: 9166909.7/86

asym_sam7_mean vs Slug, Sign Corrected



Right In: 82.721+/-131.352 χ^2/NDF: 21.5/17

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -299.532+/-123.104 χ^2/NDF: 10.9/20

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

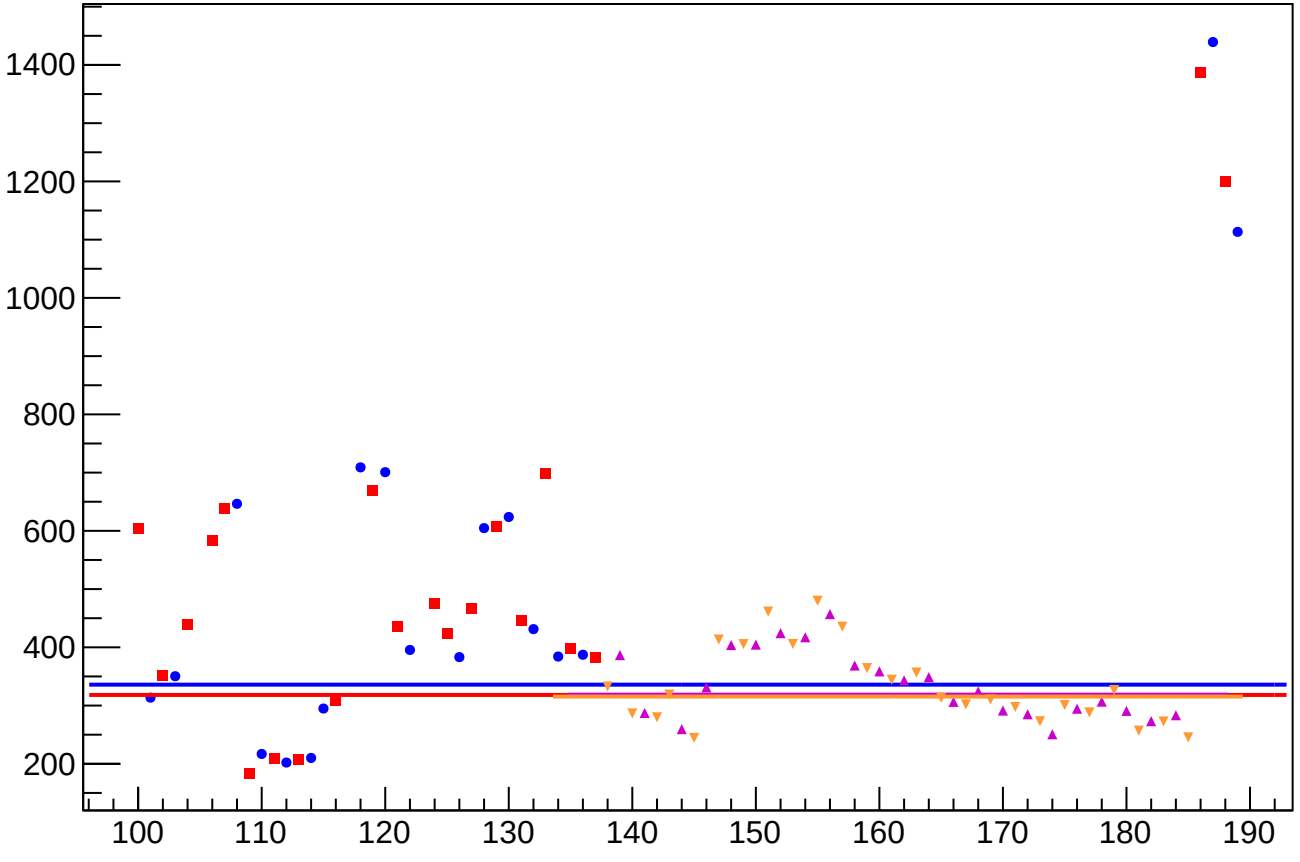
Right: -120.782+/-89.822 χ^2/NDF: 36.9/38

In: 59.254+/-65.541 χ^2/NDF:49.7/40

Out: 203.473+/-62.826 χ^2/NDF:88.9/45

All: 134.413+/-45.354 χ^2/NDF: 141.1/86

asym_sam7_rms vs Slug, Sign Corrected



Right In: 335.909+/-0.093 χ^2/NDF: 2686550.2/17

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 318.262+/-0.087 χ^2/NDF: 4040444.4/20

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

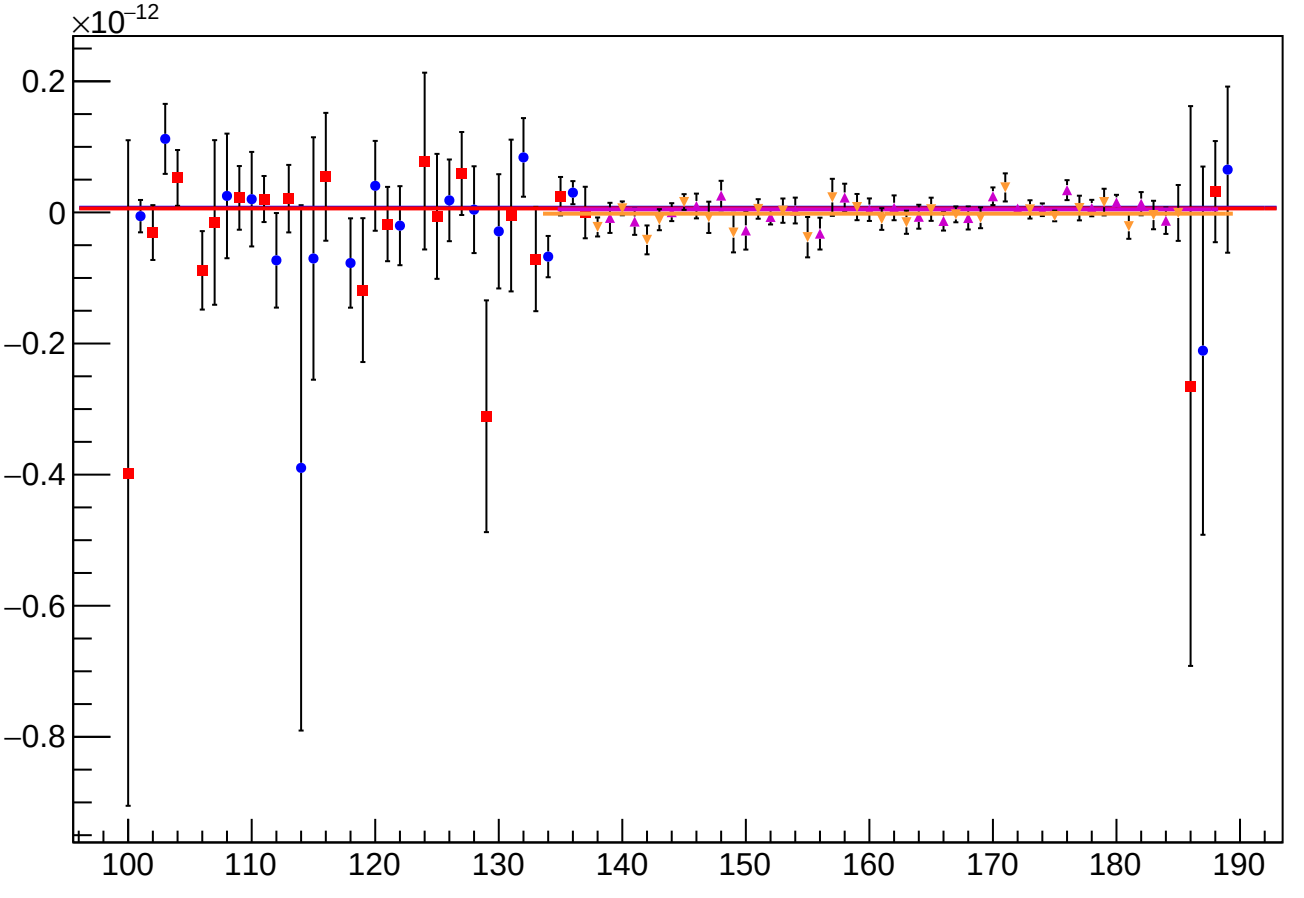
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 326.514+/-0.064 χ^2/NDF: 6746214.9/38

In: 322.976+/-0.046 χ^2/NDF:3703973.4/40

Out: 316.142+/-0.044 χ^2/NDF:5251352.1/45

All: 319.415+/-0.032 χ^2/NDF: 8966657.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

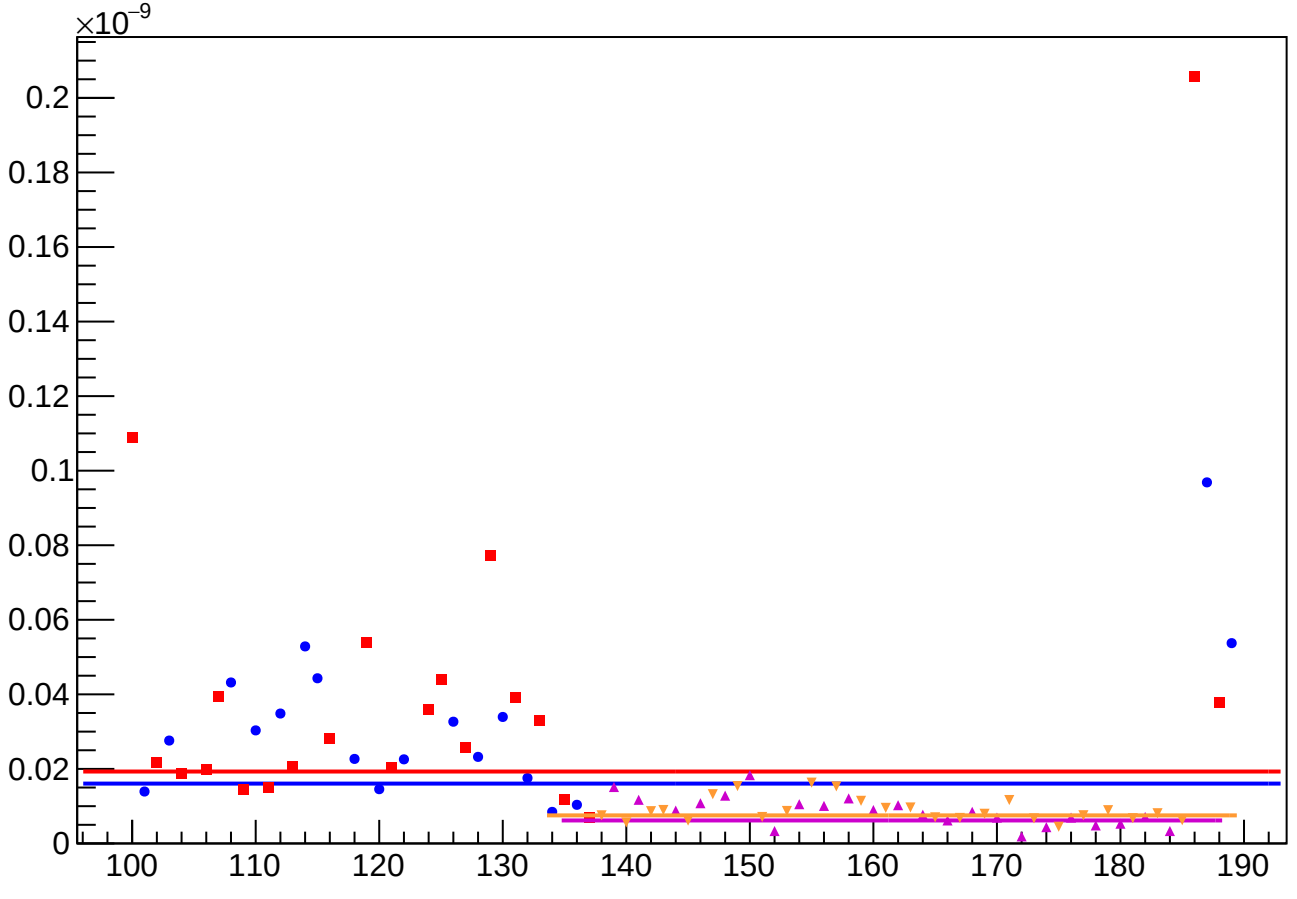
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 31.8/38

In: 0.000+/-0.000 χ^2/NDF:36.2/40

Out: -0.000+/-0.000 χ^2/NDF:32.7/45

All: 0.000+/-0.000 χ^2/NDF: 71.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 1509515.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1731992.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

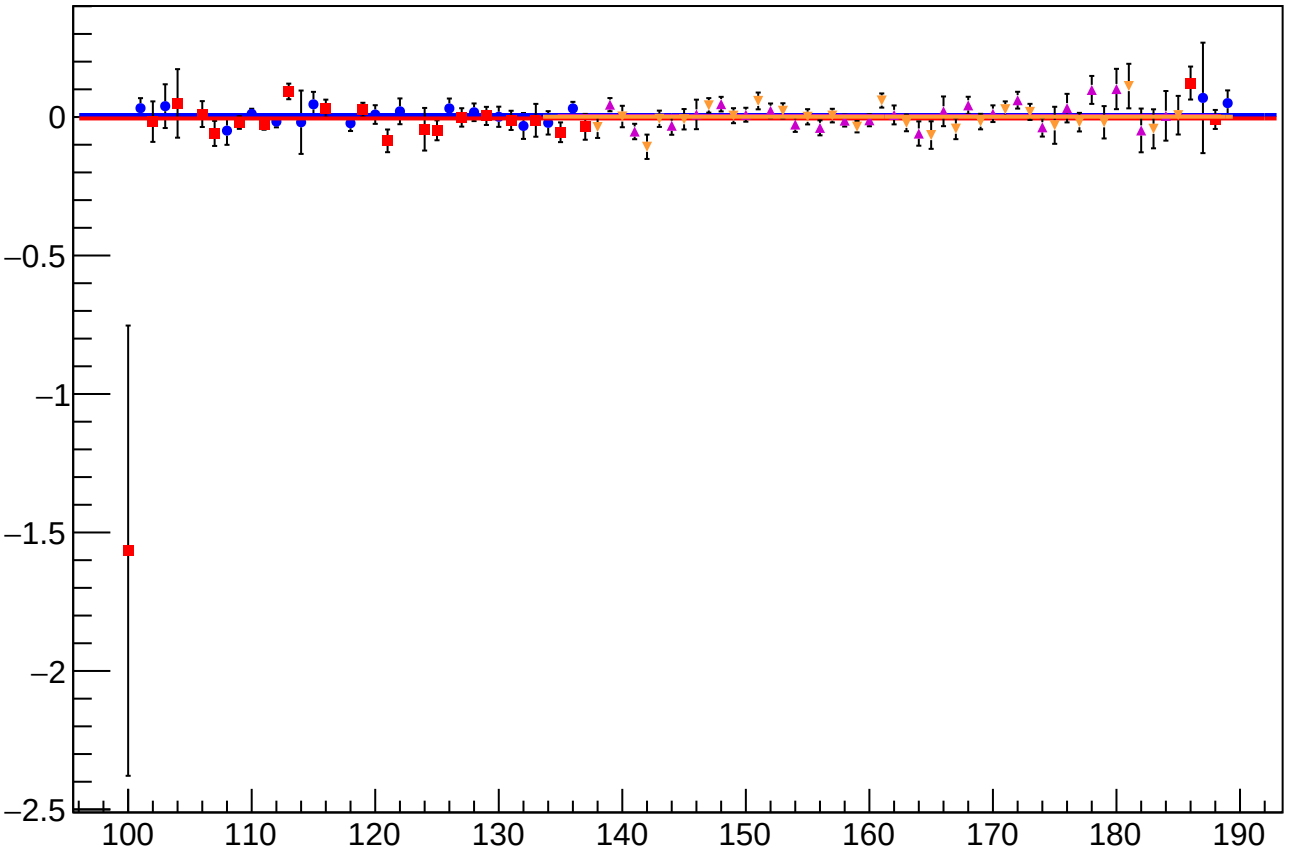
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3316672.2/38

In: 0.000+/-0.000 χ^2/NDF:5822178.2/40

Out: 0.000+/-0.000 χ^2/NDF:4563218.0/45

All: 0.000+/-0.000 χ^2/NDF: 10593135.8/86



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

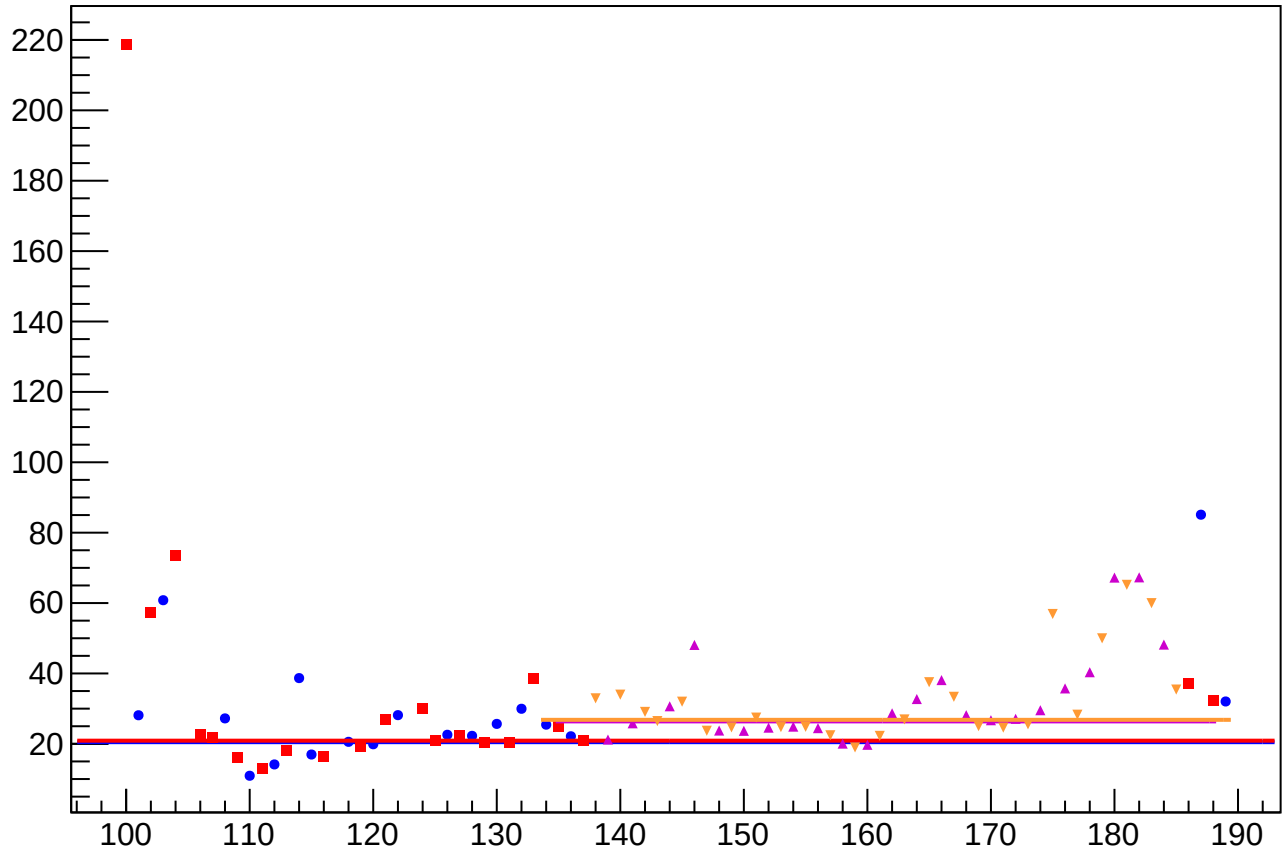
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.006 χ^2/NDF: 44.6/38

In: 0.005+/-0.005 χ^2/NDF:40.1/40

Out: -0.001+/-0.005 χ^2/NDF:65.2/45

All: 0.002+/-0.004 χ^2/NDF: 106.2/86



Right In: 20.473+/-0.006 χ^2/NDF: 1984569.0/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114868.1/20

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

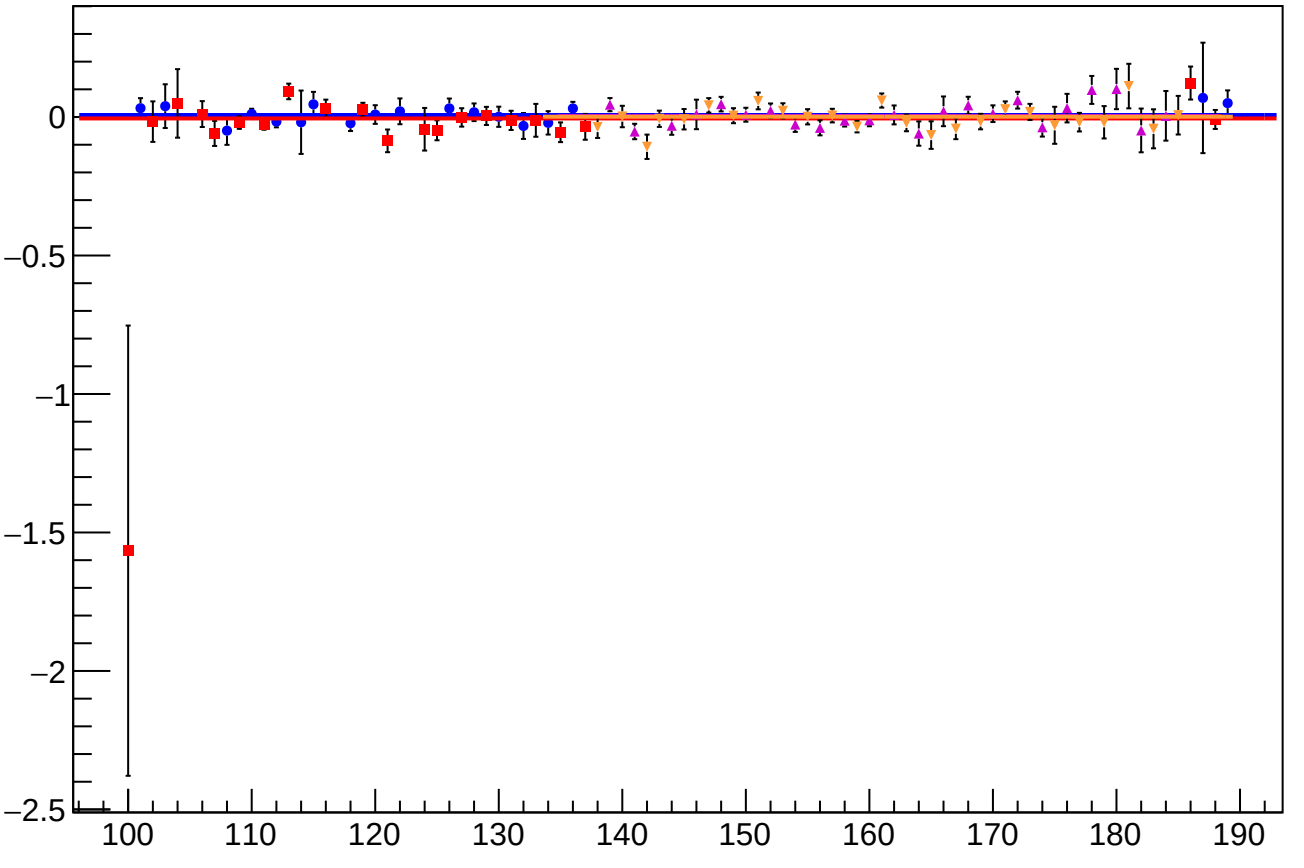
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.692+/-0.004 χ^2/NDF: 4102334.1/38

In: 23.997+/-0.004 χ^2/NDF:5195253.1/40

Out: 24.400+/-0.004 χ^2/NDF:5264252.4/45

All: 24.203+/-0.003 χ^2/NDF: 10465871.0/86



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

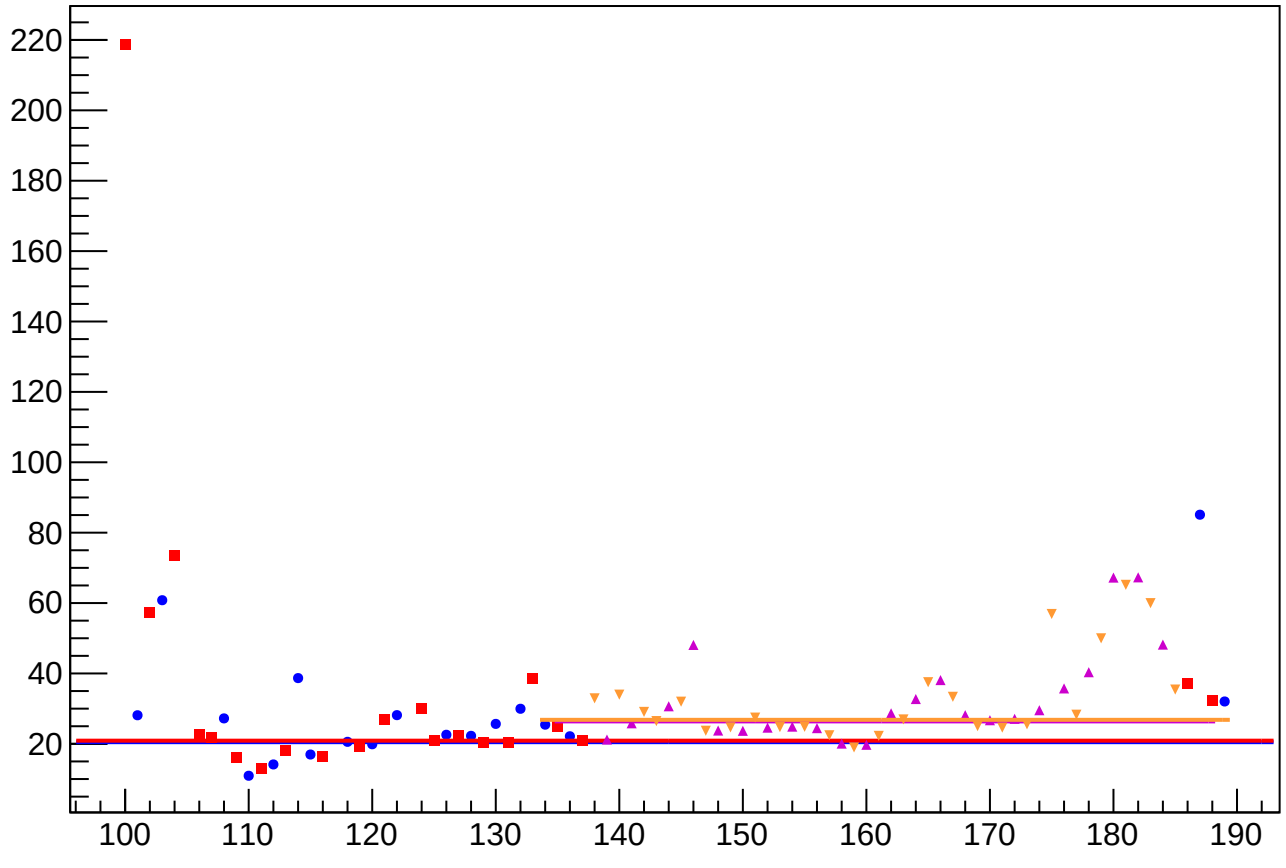
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.006 χ^2/NDF: 44.6/38

In: 0.005+/-0.005 χ^2/NDF:40.1/40

Out: -0.001+/-0.005 χ^2/NDF:65.2/45

All: 0.002+/-0.004 χ^2/NDF: 106.2/86



Right In: 20.473+/-0.006 χ^2/NDF: 1984569.0/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114868.1/20

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

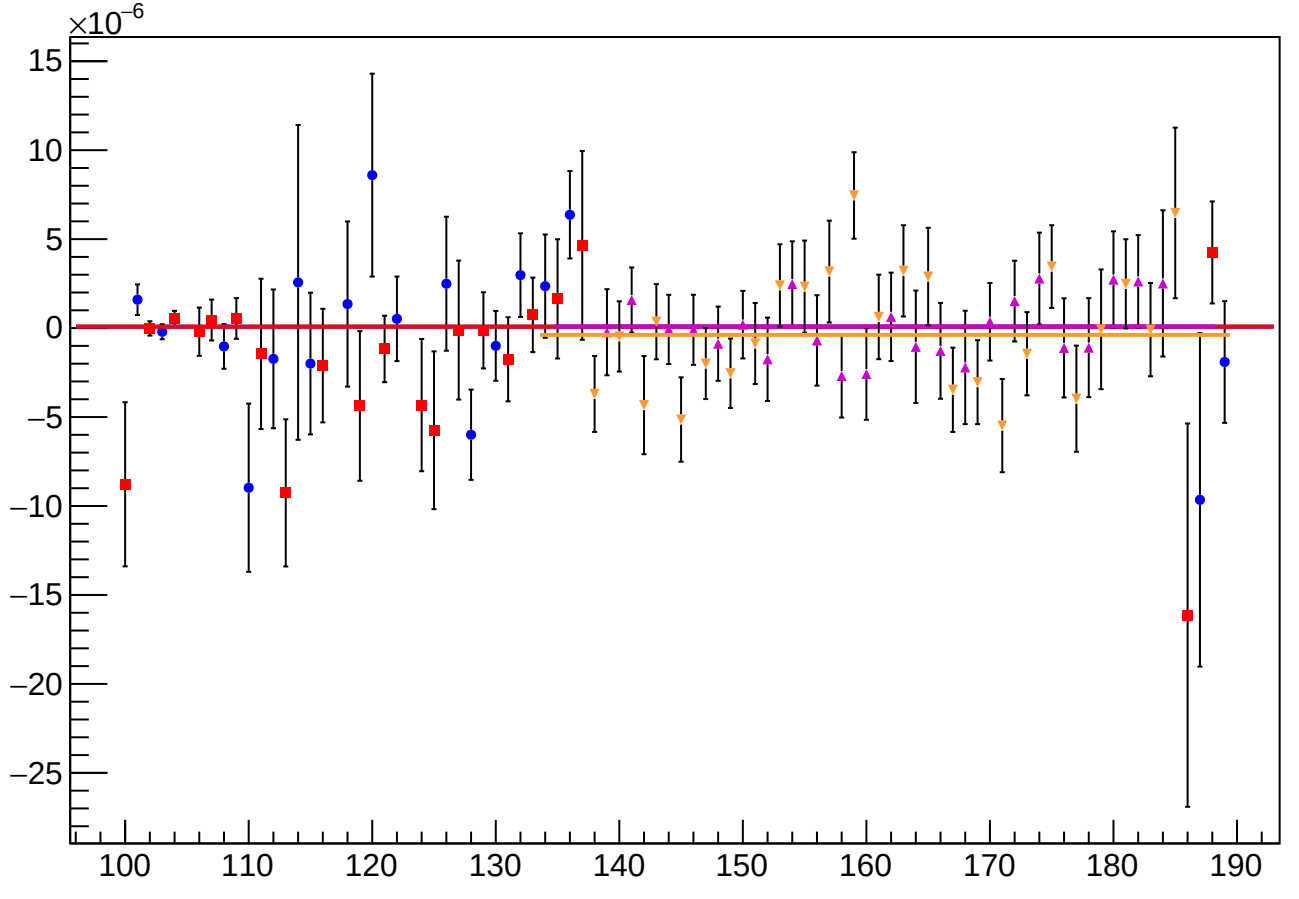
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.692+/-0.004 χ^2/NDF: 4102334.1/38

In: 23.997+/-0.004 χ^2/NDF:5195253.1/40

Out: 24.400+/-0.004 χ^2/NDF:5264252.4/45

All: 24.203+/-0.003 χ^2/NDF: 10465871.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

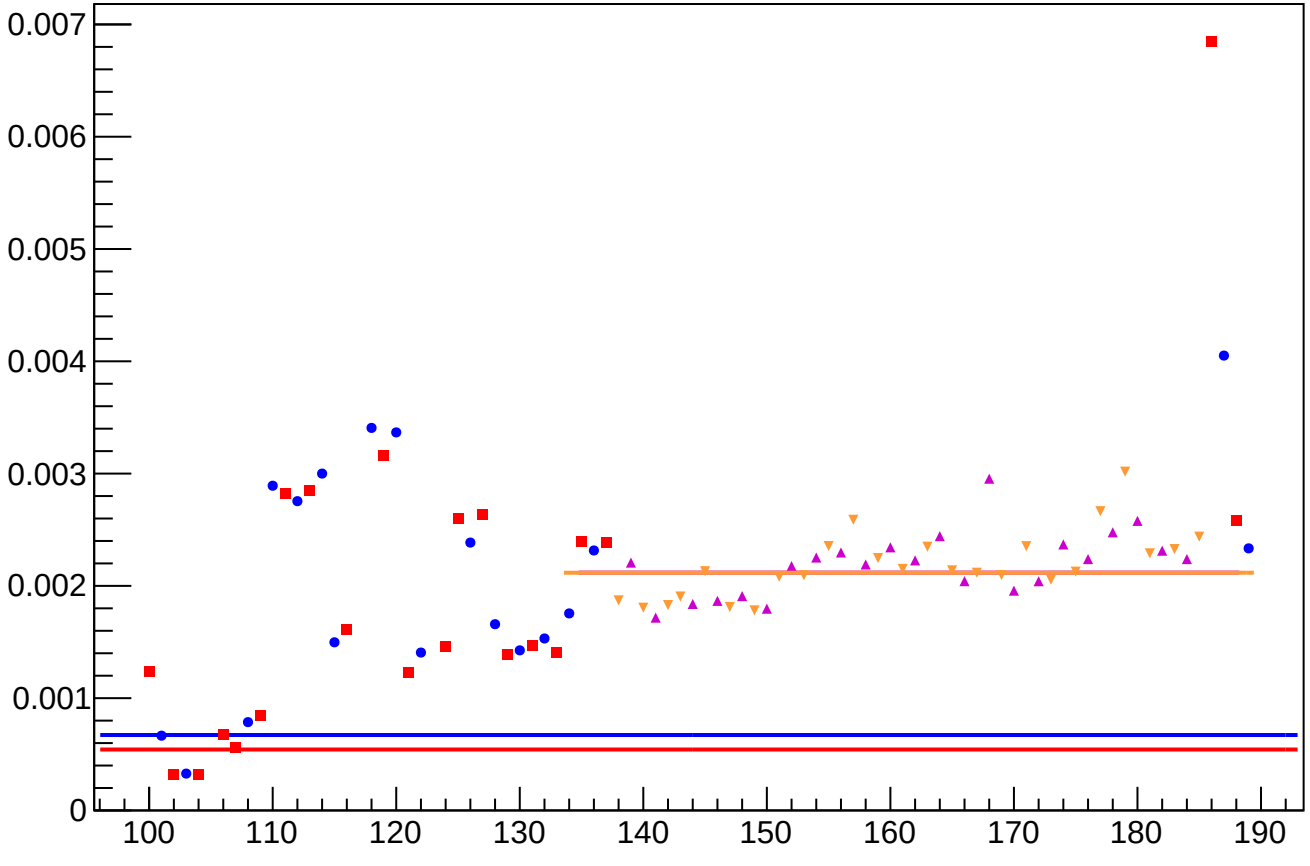
Right: 0.000+/-0.000 χ^2/NDF: 49.0/38

In: 0.000+/-0.000 χ^2/NDF:37.6/40

Out: -0.000+/-0.000 χ^2/NDF:65.3/45

All: 0.000+/-0.000 χ^2/NDF: 103.0/86

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7097056.4/17

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8388380.3/20

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

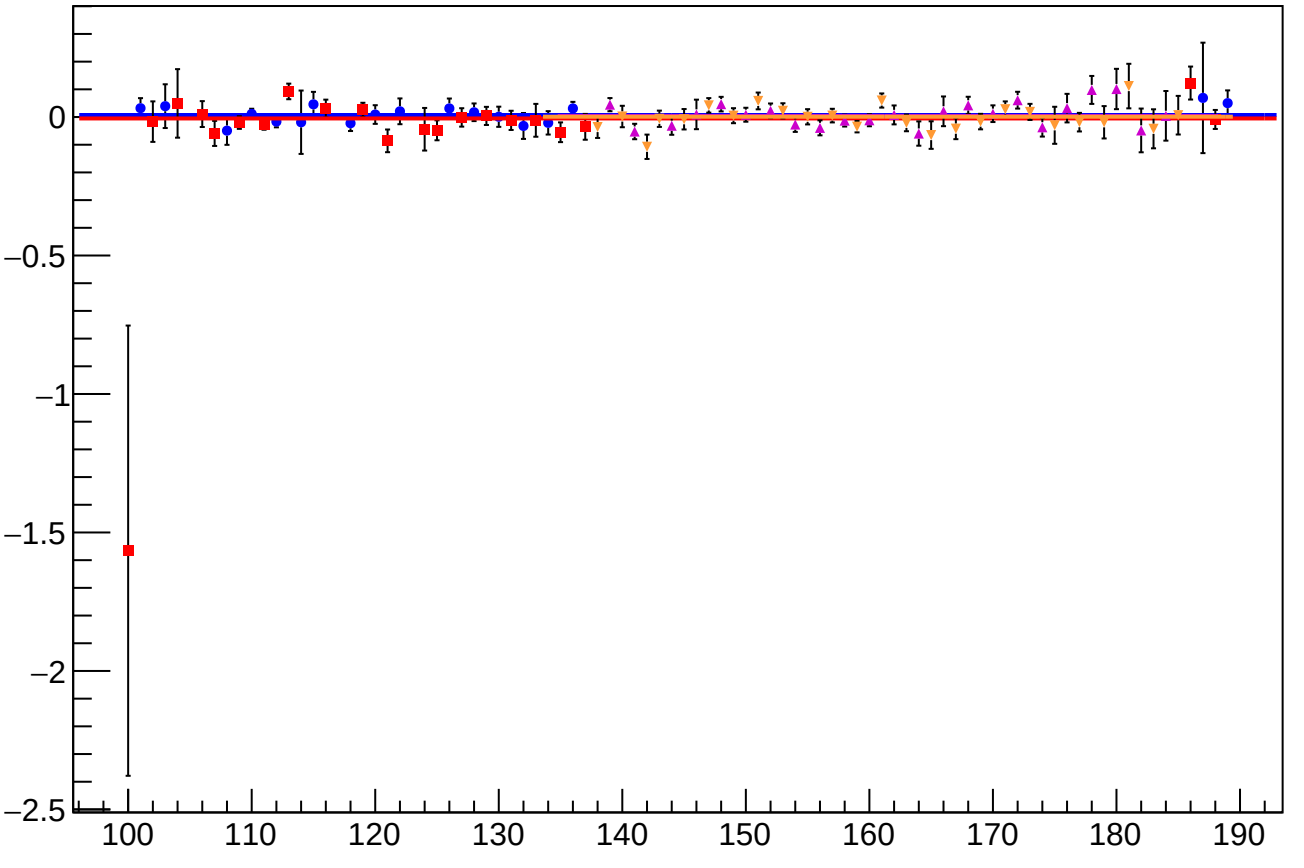
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 15673630.5/38

In: 0.001+/-0.000 χ^2/NDF:19301168.5/40

Out: 0.001+/-0.000 χ^2/NDF:25288745.7/45

All: 0.001+/-0.000 χ^2/NDF: 45360137.9/86



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

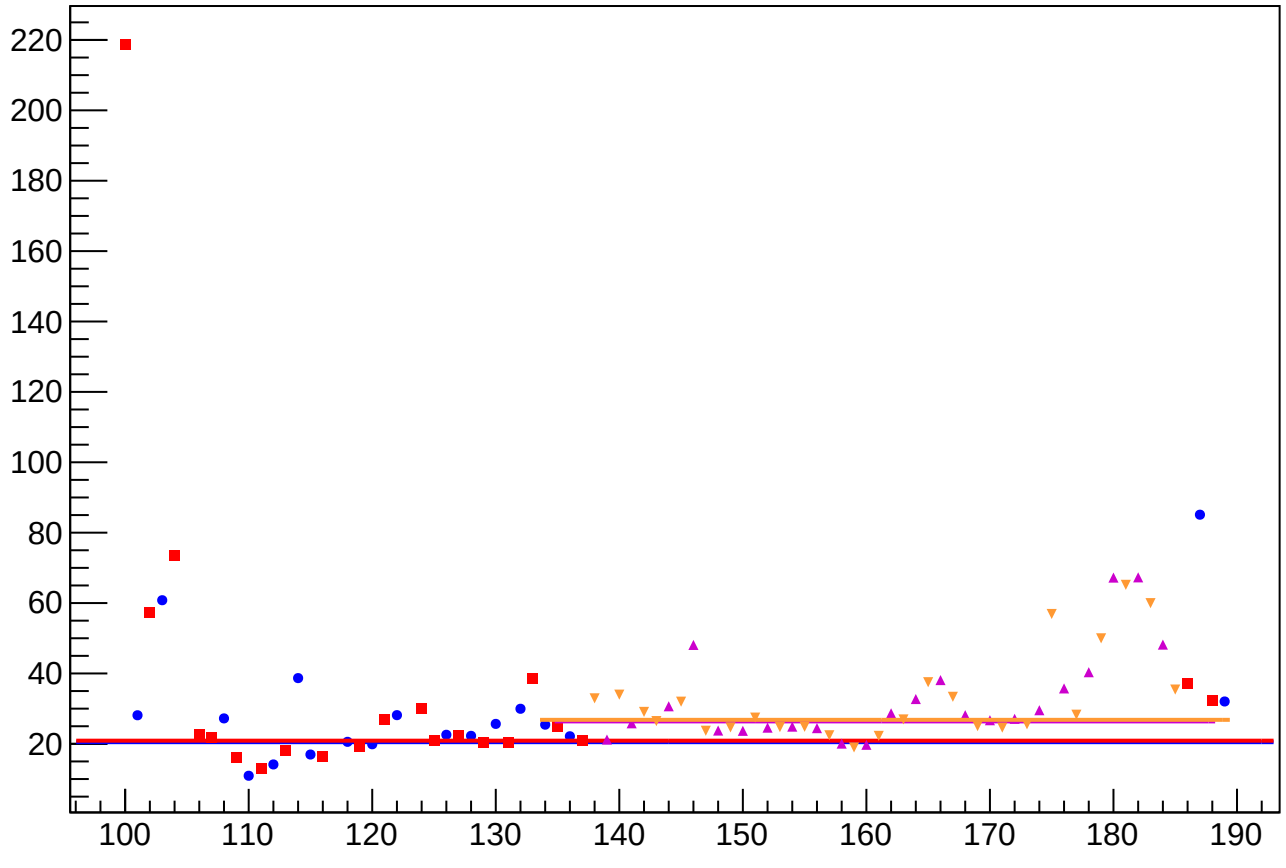
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.006 χ^2/NDF: 44.6/38

In: 0.005+/-0.005 χ^2/NDF:40.1/40

Out: -0.001+/-0.005 χ^2/NDF:65.2/45

All: 0.002+/-0.004 χ^2/NDF: 106.2/86



Right In: 20.473+/-0.006 χ^2/NDF: 1984390.3/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114755.7/20

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

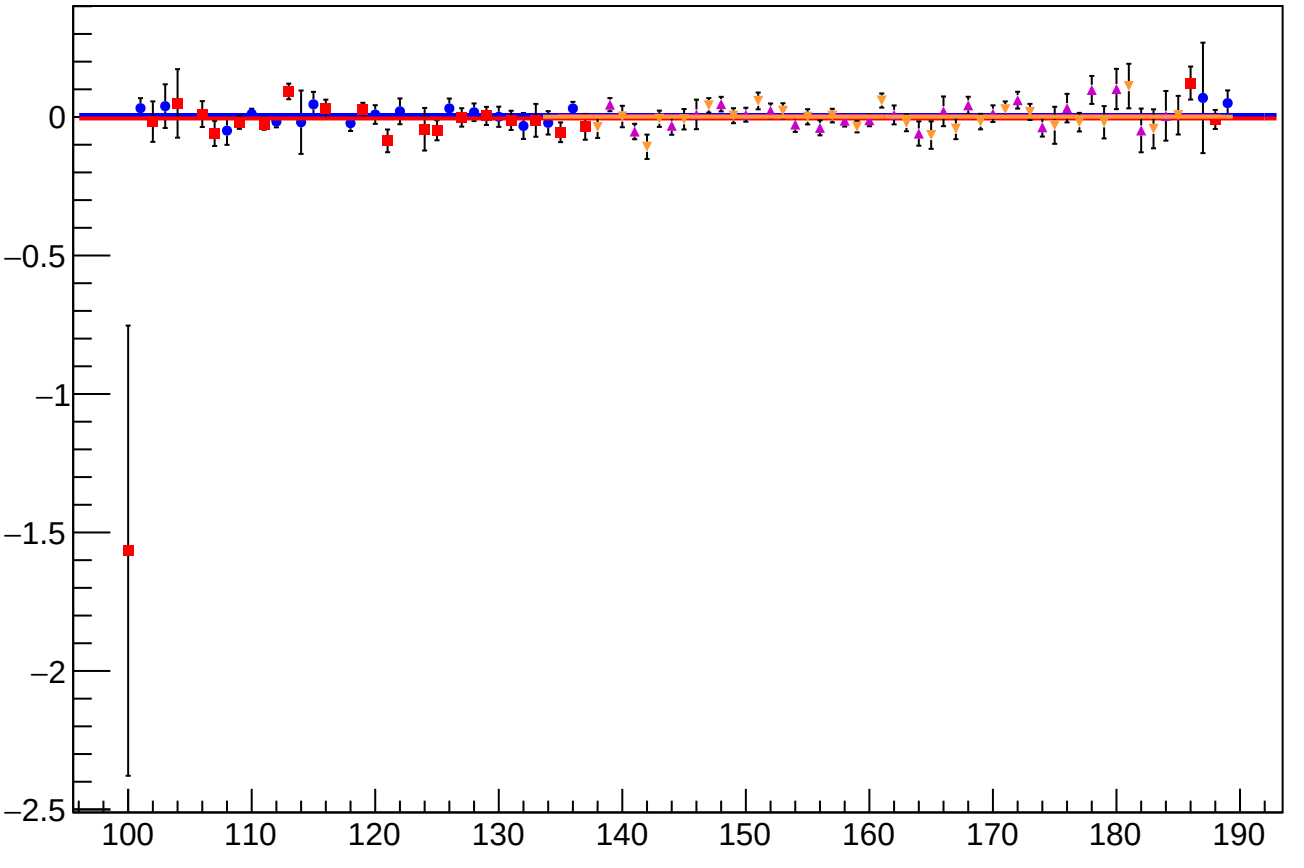
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.692+/-0.004 χ^2/NDF: 4102038.2/38

In: 23.997+/-0.004 χ^2/NDF:5195032.6/40

Out: 24.400+/-0.004 χ^2/NDF:5264162.4/45

All: 24.203+/-0.003 χ^2/NDF: 10465555.4/86



Right In: 0.007+/-0.008 χ^2/NDF: 8.9/17

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

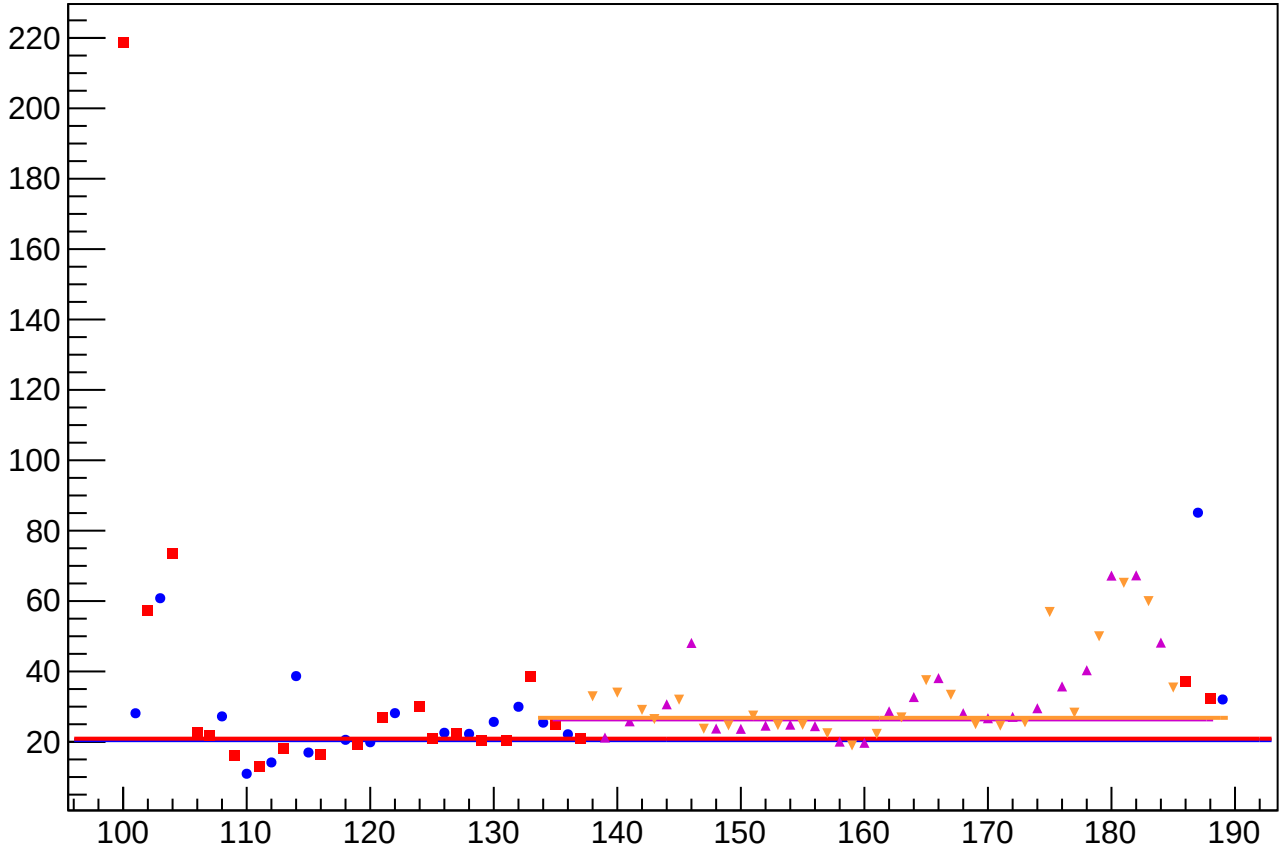
Right: 0.001+/-0.006 χ^2/NDF: 44.6/38

In: 0.005+/-0.005 χ^2/NDF:40.1/40

Out: -0.001+/-0.005 χ^2/NDF:65.2/45

All: 0.002+/-0.004 χ^2/NDF: 106.2/86

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.473+/-0.006 χ^2/NDF: 1984390.3/17

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114755.7/20

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

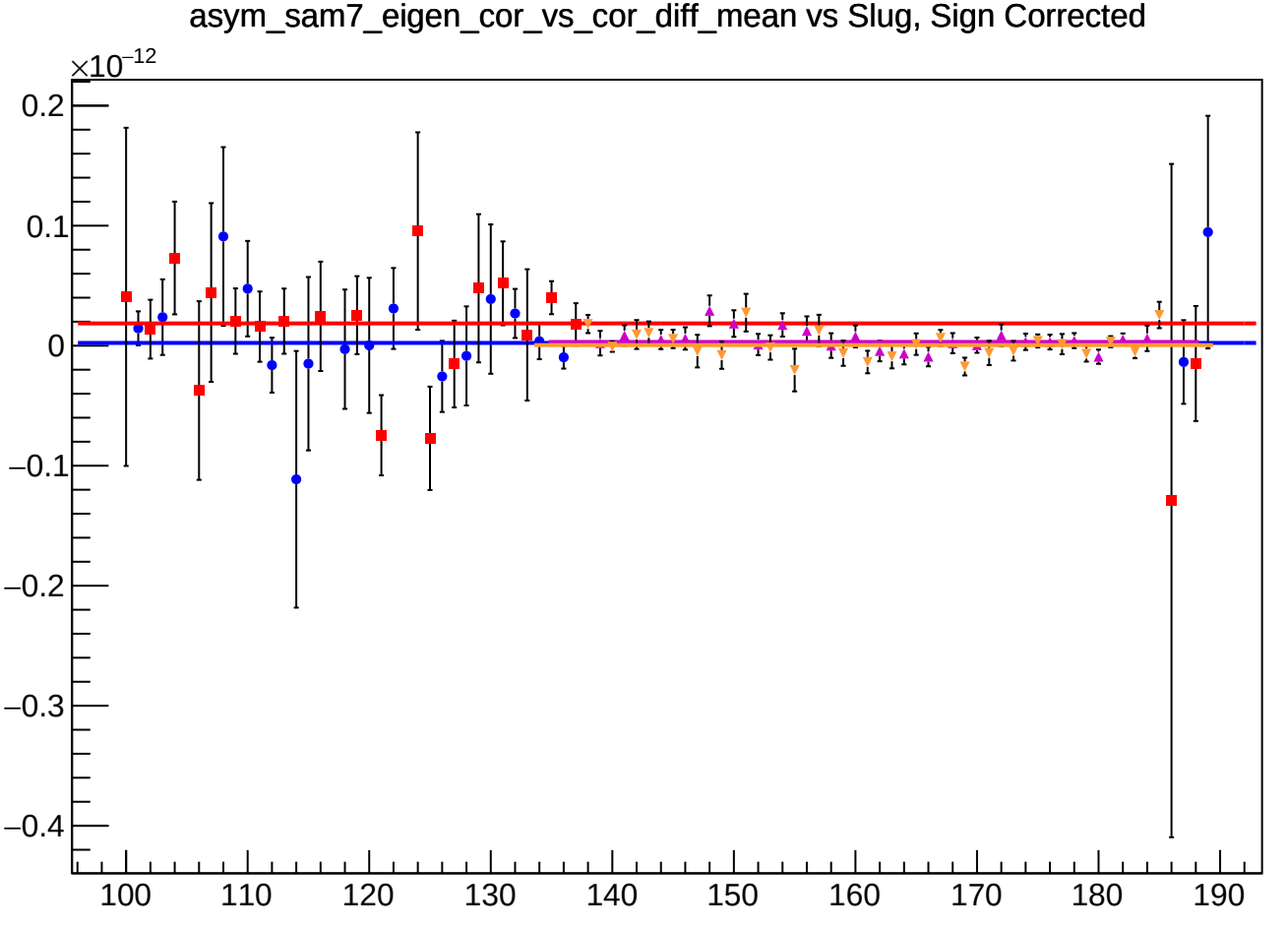
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

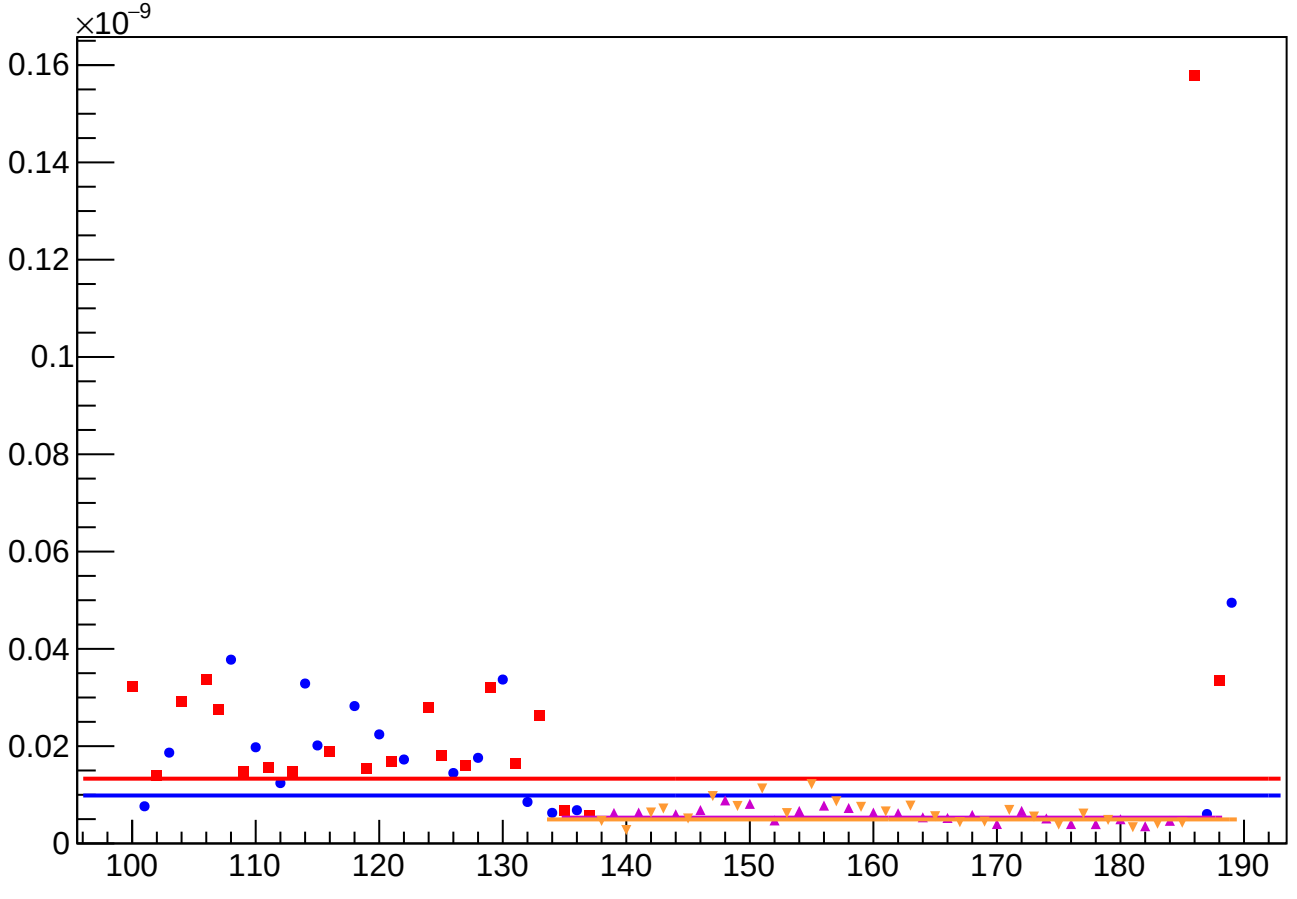
Right: 20.692+/-0.004 χ^2/NDF: 4102038.2/38

In: 23.997+/-0.004 χ^2/NDF:5195032.6/40

Out: 24.400+/-0.004 χ^2/NDF:5264162.4/45

All: 24.203+/-0.003 χ^2/NDF: 10465555.4/86


asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.0/17
Left Out: 0.000+/-0.000 χ²/NDF:32.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.0/20
Left In: 0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 53.0/47
Right: 0.000+/-0.000 χ²/NDF: 36.3/38
In: 0.000+/-0.000 χ²/NDF:31.1/40
Out: 0.000+/-0.000 χ²/NDF:60.0/45
All: 0.000+/-0.000 χ²/NDF: 91.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 2335286.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2698062.2/20

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

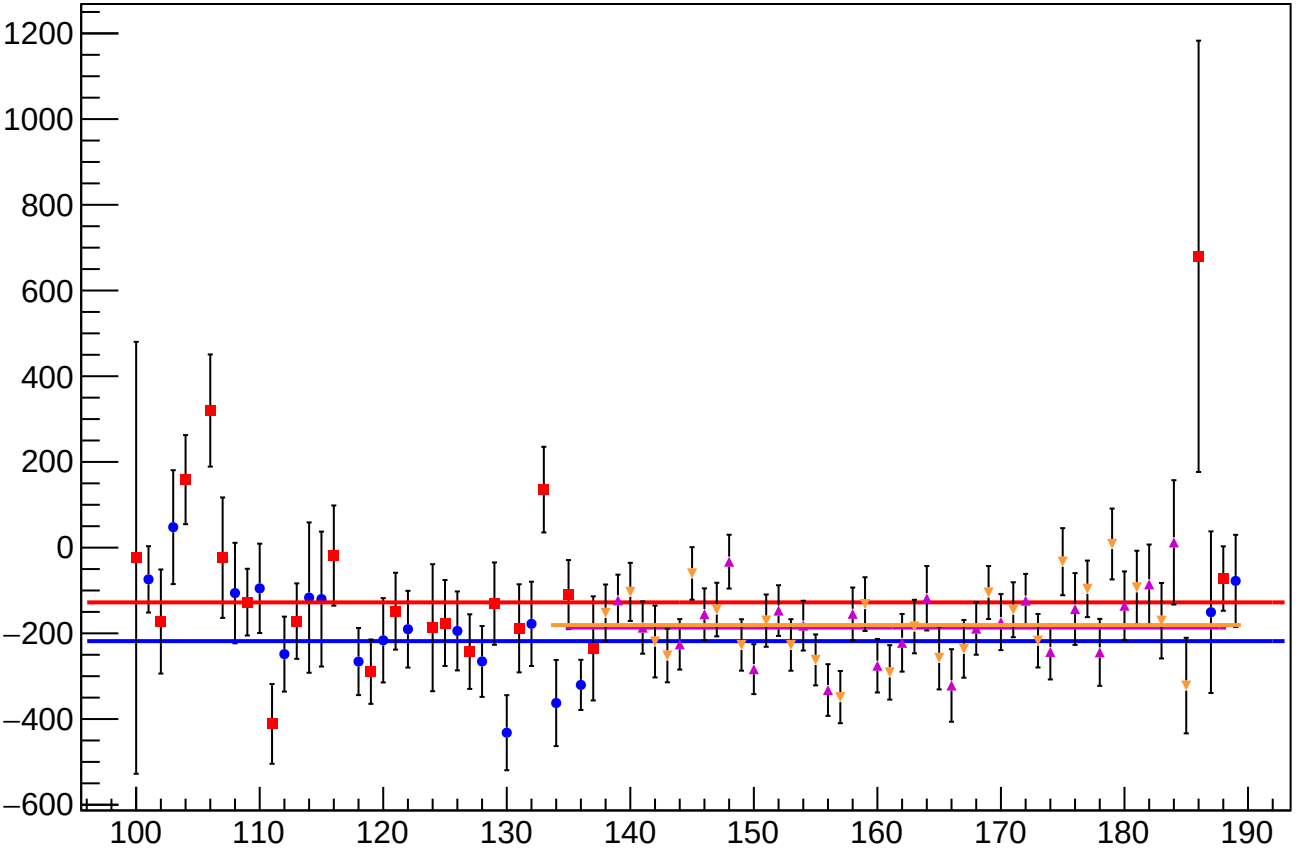
Right: 0.000+/-0.000 χ^2/NDF: 5330902.5/38

In: 0.000+/-0.000 χ^2/NDF:4786522.7/40

Out: 0.000+/-0.000 χ^2/NDF:8186890.5/45

All: 0.000+/-0.000 χ^2/NDF: 13017440.8/86

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -127.754+/-22.139 χ^2/NDF: 48.5/20

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

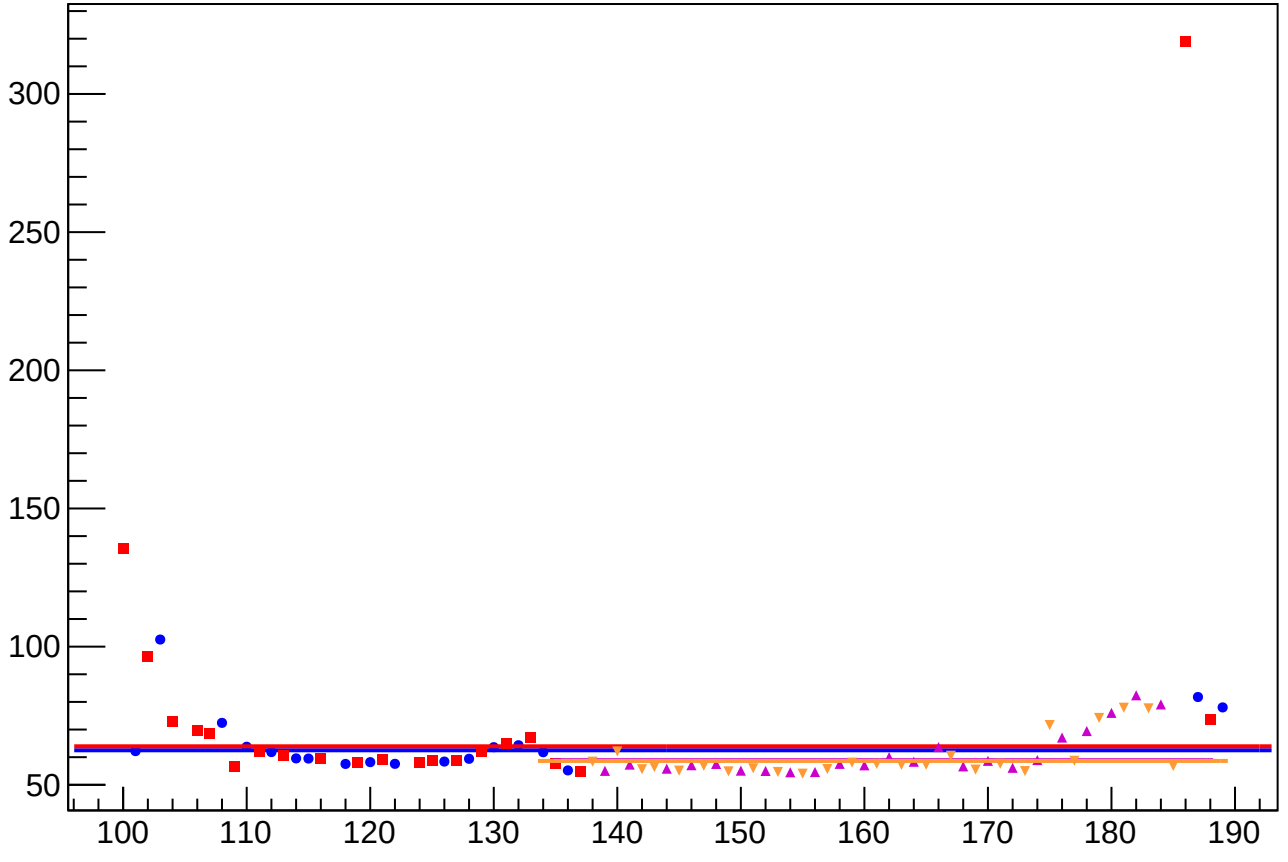
Right: -172.355+/-15.761 χ^2/NDF: 81.2/38

In: -195.296+/-11.792 χ^2/NDF:55.0/40

Out: -166.464+/-11.475 χ^2/NDF:91.2/45

All: -180.488+/-8.224 χ^2/NDF: 149.3/86

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 62.493+/-0.016 χ^2/NDF: 317006.3/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.937+/-0.016 χ^2/NDF: 835644.0/20

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

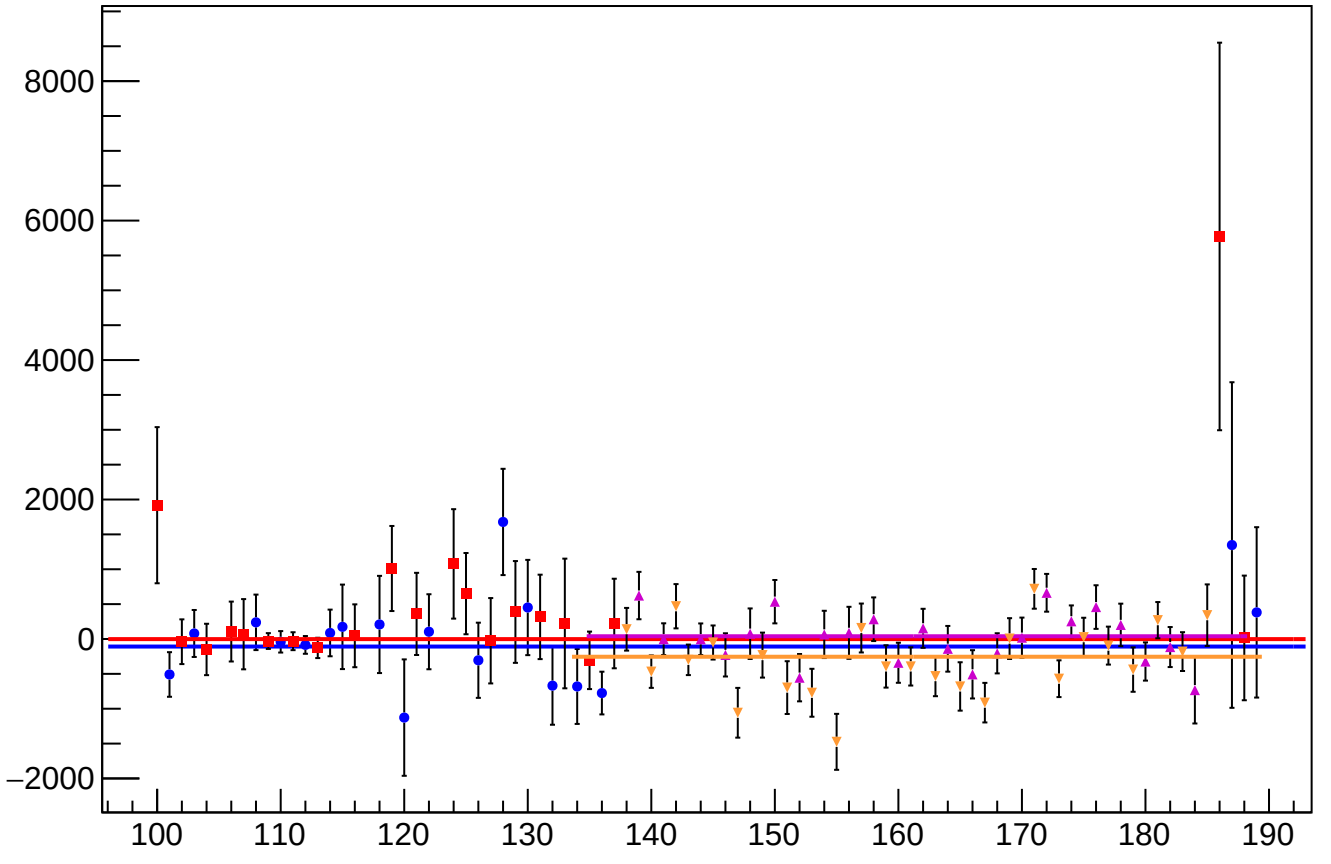
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 63.225+/-0.011 χ^2/NDF: 1156849.6/38

In: 59.896+/-0.008 χ^2/NDF:740804.8/40

Out: 60.066+/-0.008 χ^2/NDF:1313139.4/45

All: 59.984+/-0.006 χ^2/NDF: 2054156.6/86



Right In: -108.426+/-76.024 χ^2/NDF: 19.0/17

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -1.750+/-63.753 χ^2/NDF: 16.0/20

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

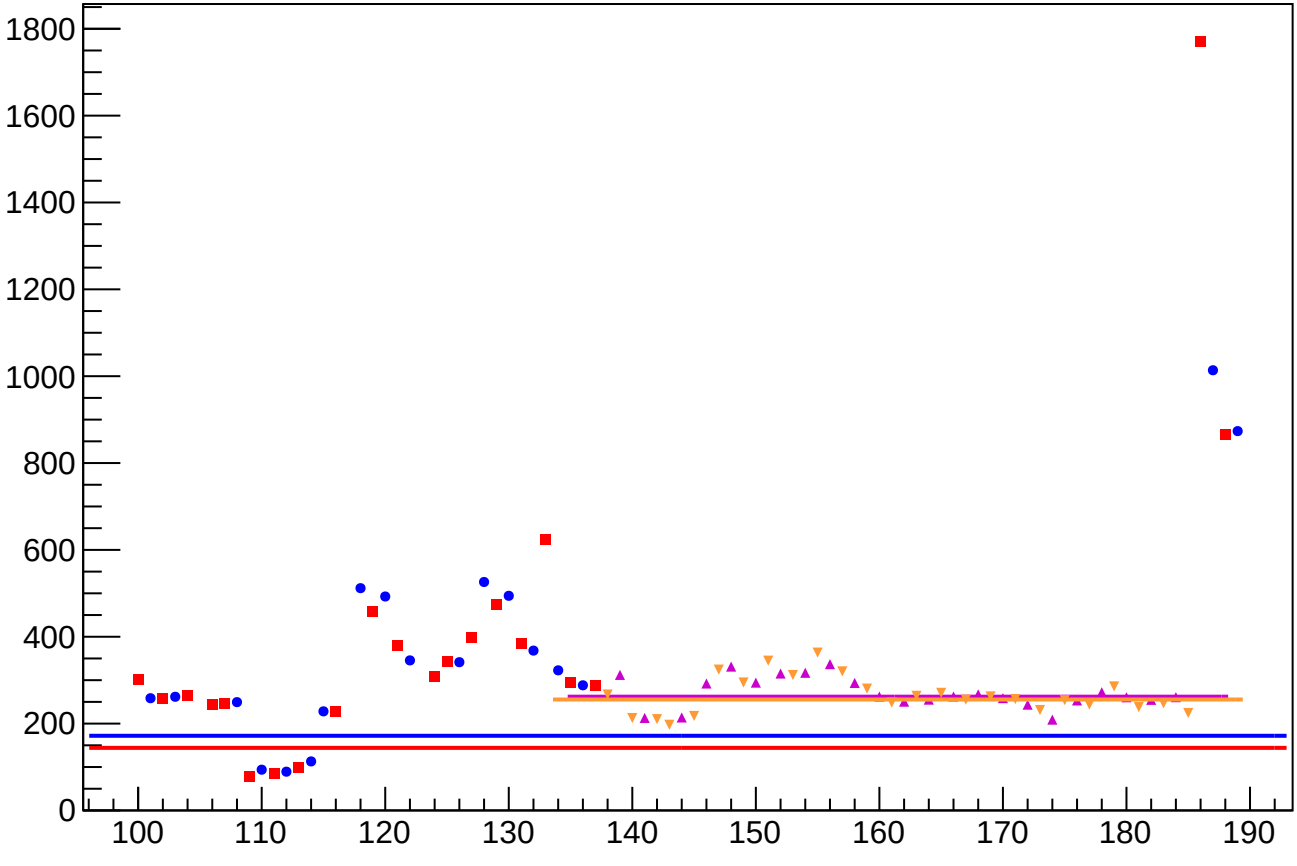
Right: -45.794+/-48.850 χ^2/NDF: 36.1/38

In: -19.665+/-47.993 χ^2/NDF:49.6/40

Out: -138.229+/-43.253 χ^2/NDF:82.1/45

All: -85.089+/-32.130 χ^2/NDF: 135.1/86

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 171.957+/-0.054 χ^2/NDF: 5468190.5/17

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 144.151+/-0.045 χ^2/NDF: 7156462.3/20

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

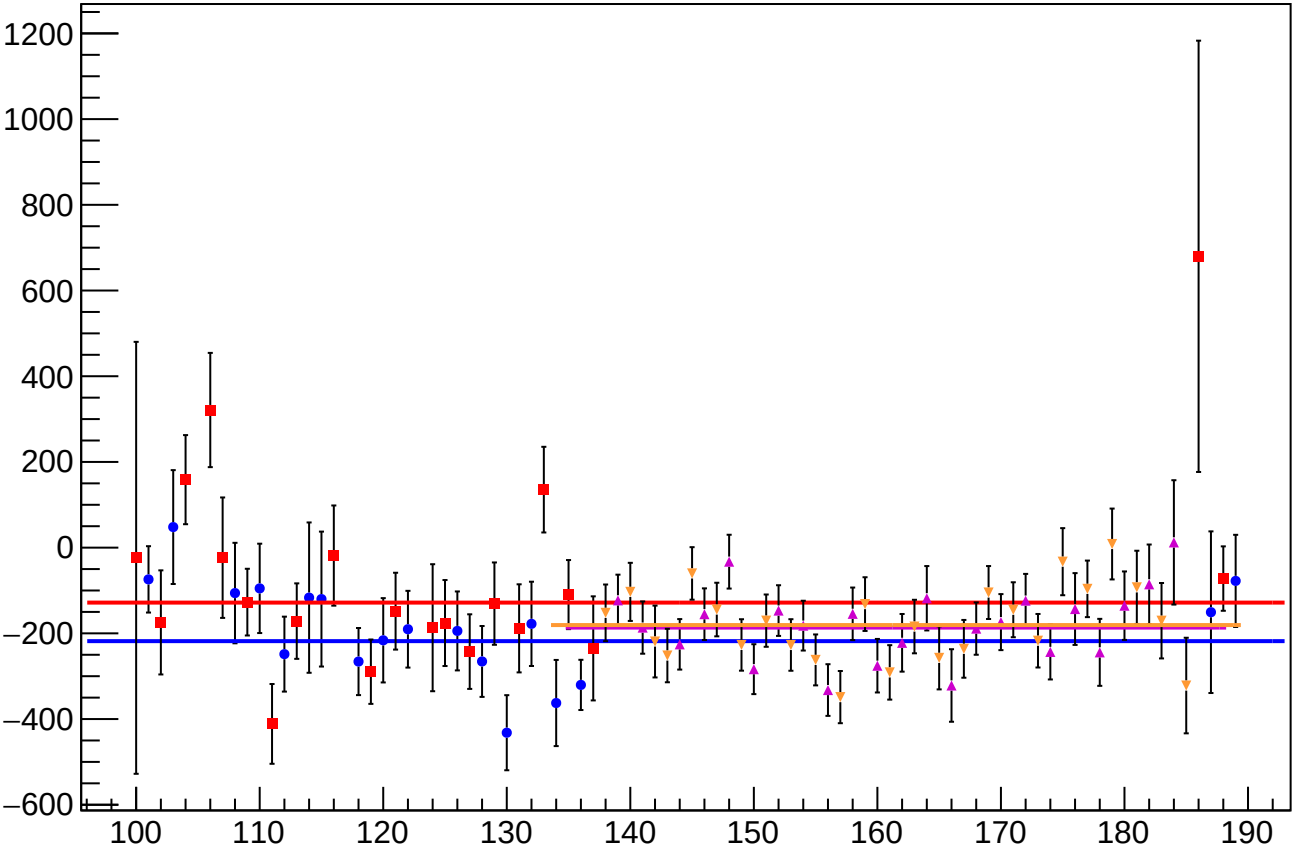
Right: 155.632+/-0.035 χ^2/NDF: 12781732.5/38

In: 226.120+/-0.034 χ^2/NDF:7826534.5/40

Out: 204.230+/-0.031 χ^2/NDF:11311236.1/45

All: 214.041+/-0.023 χ^2/NDF: 19367359.6/86

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -128.248+/-22.151 χ^2/NDF: 48.1/20

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

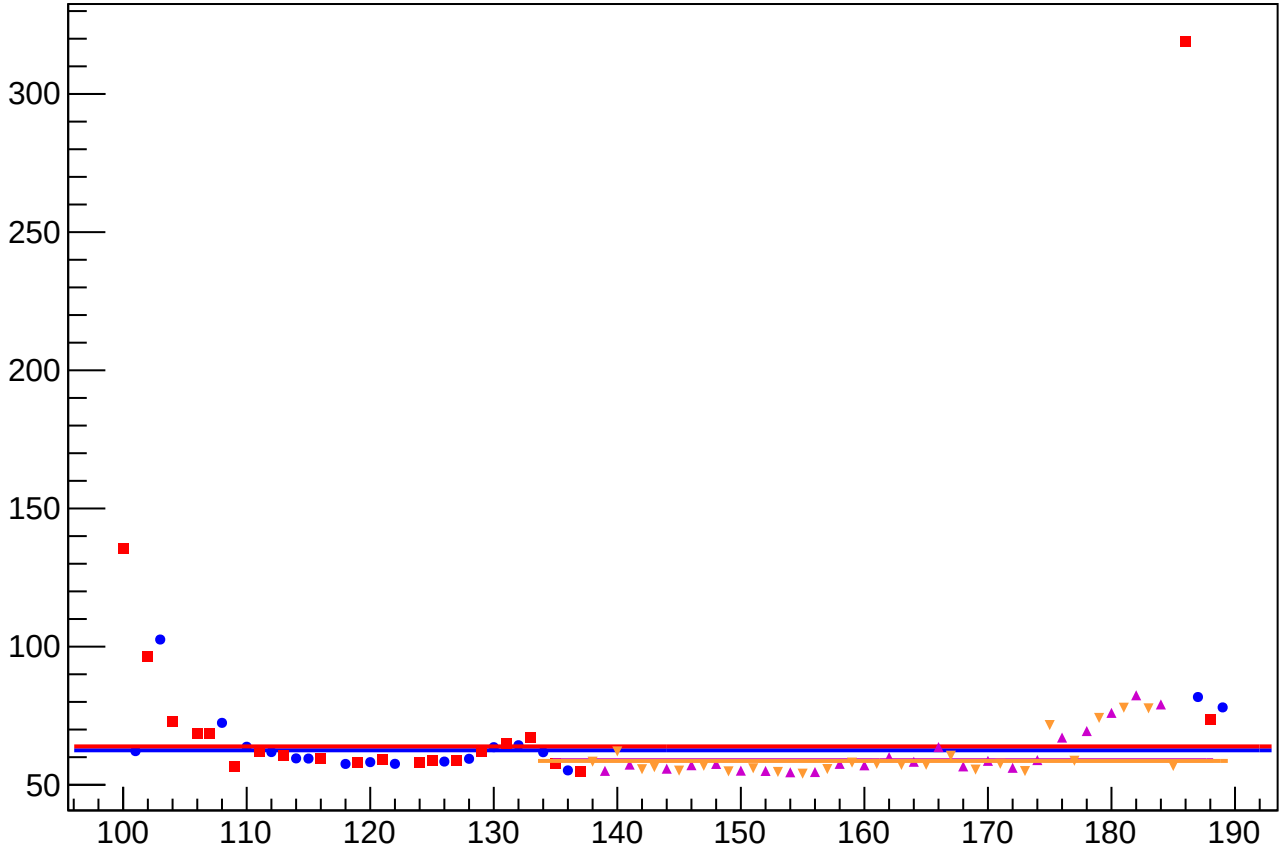
Right: -172.629+/-15.765 χ^2/NDF: 80.8/38

In: -195.297+/-11.792 χ^2/NDF:55.0/40

Out: -166.604+/-11.477 χ^2/NDF:90.8/45

All: -180.562+/-8.225 χ^2/NDF: 148.9/86

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 62.493+/-0.016 χ^2/NDF: 317008.8/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.900+/-0.016 χ^2/NDF: 834364.0/20

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

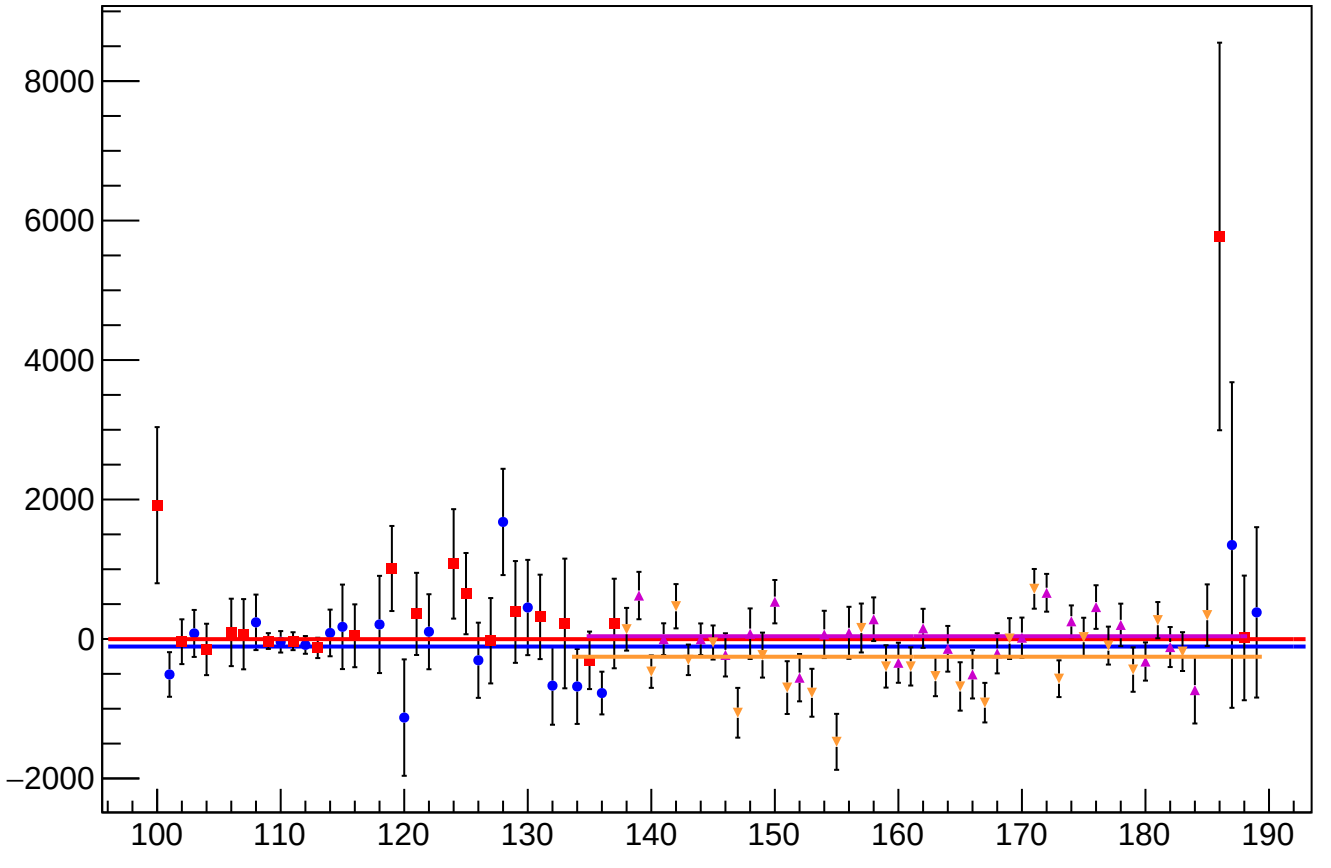
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 63.205+/-0.011 χ^2/NDF: 1155353.6/38

In: 59.896+/-0.008 χ^2/NDF:740807.4/40

Out: 60.055+/-0.008 χ^2/NDF:1310608.8/45

All: 59.978+/-0.006 χ^2/NDF: 2051601.4/86



Right In: -108.408+/-76.025 χ^2/NDF: 19.0/17

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -2.454+/-63.904 χ^2/NDF: 15.9/20

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

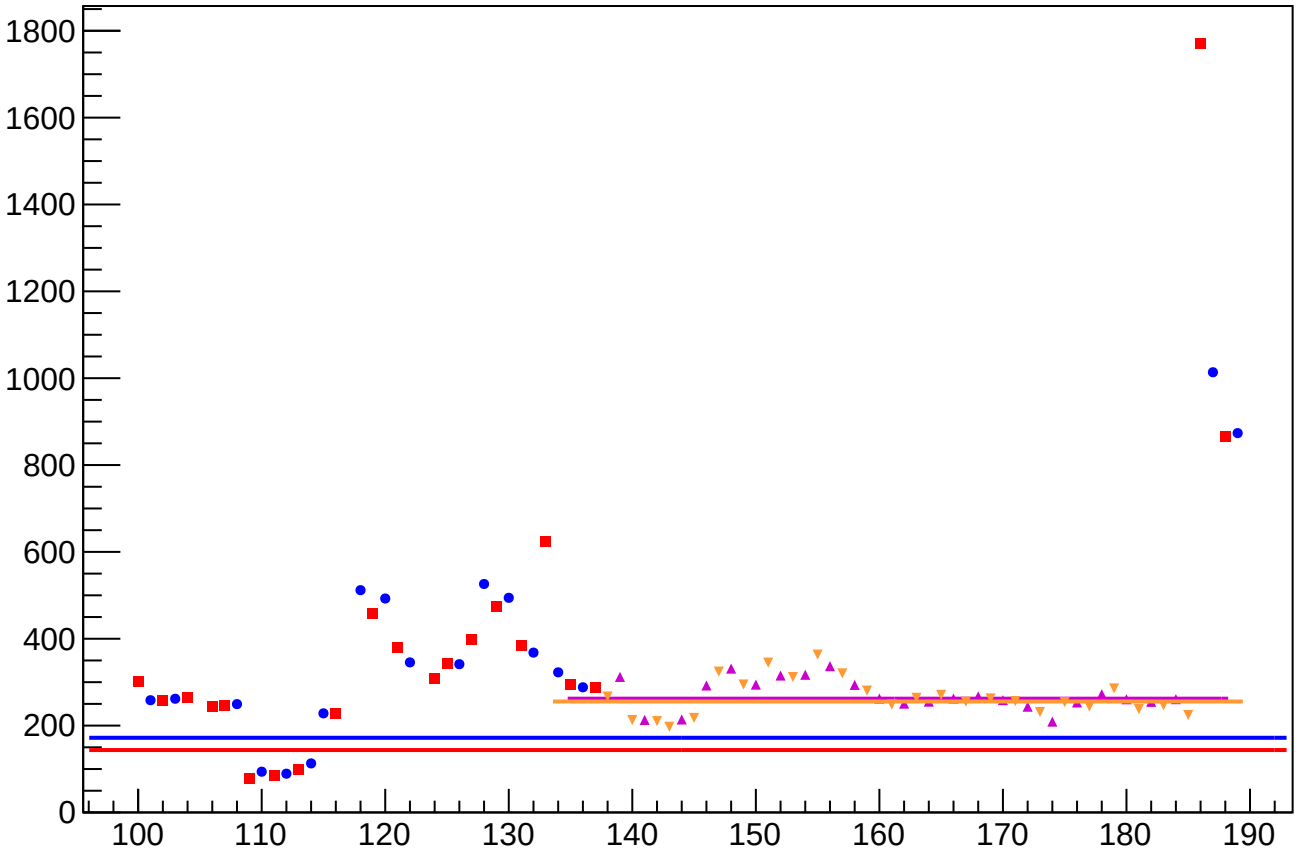
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -46.321+/-48.918 χ^2/NDF: 36.1/38

In: -19.659+/-47.993 χ^2/NDF:49.6/40

Out: -138.847+/-43.300 χ^2/NDF:82.0/45

All: -85.364+/-32.149 χ^2/NDF: 135.0/86



Right In: 171.957+/-0.054 χ^2/NDF: 5468243.7/17

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 143.687+/-0.045 χ^2/NDF: 7134452.2/20

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

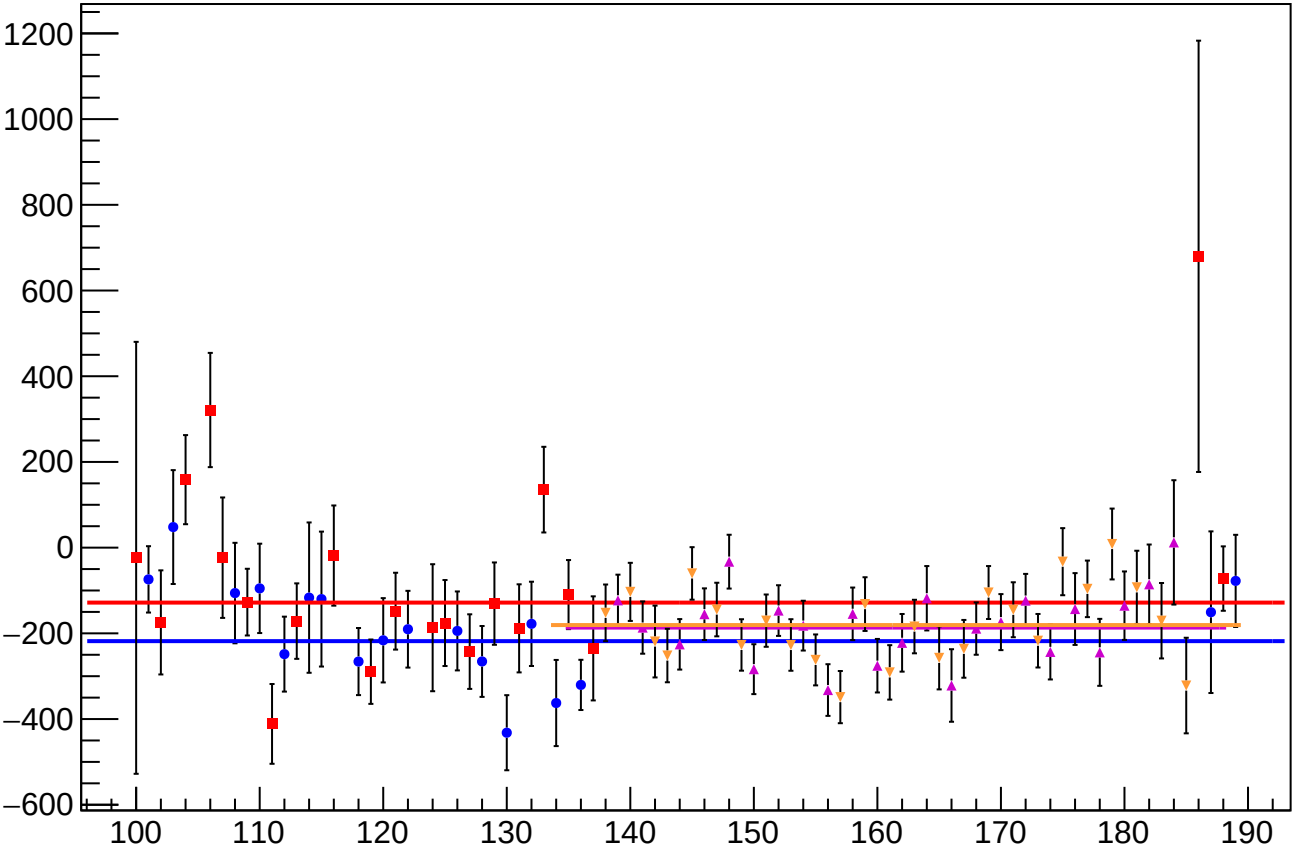
Right: 155.392+/-0.035 χ^2/NDF: 12764752.5/38

In: 226.120+/-0.034 χ^2/NDF:7826564.5/40

Out: 204.147+/-0.031 χ^2/NDF:11308272.7/45

All: 214.007+/-0.023 χ^2/NDF: 19365943.2/86

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -218.182+/-22.442 χ^2/NDF: 24.6/17

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -128.248+/-22.151 χ^2/NDF: 48.1/20

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

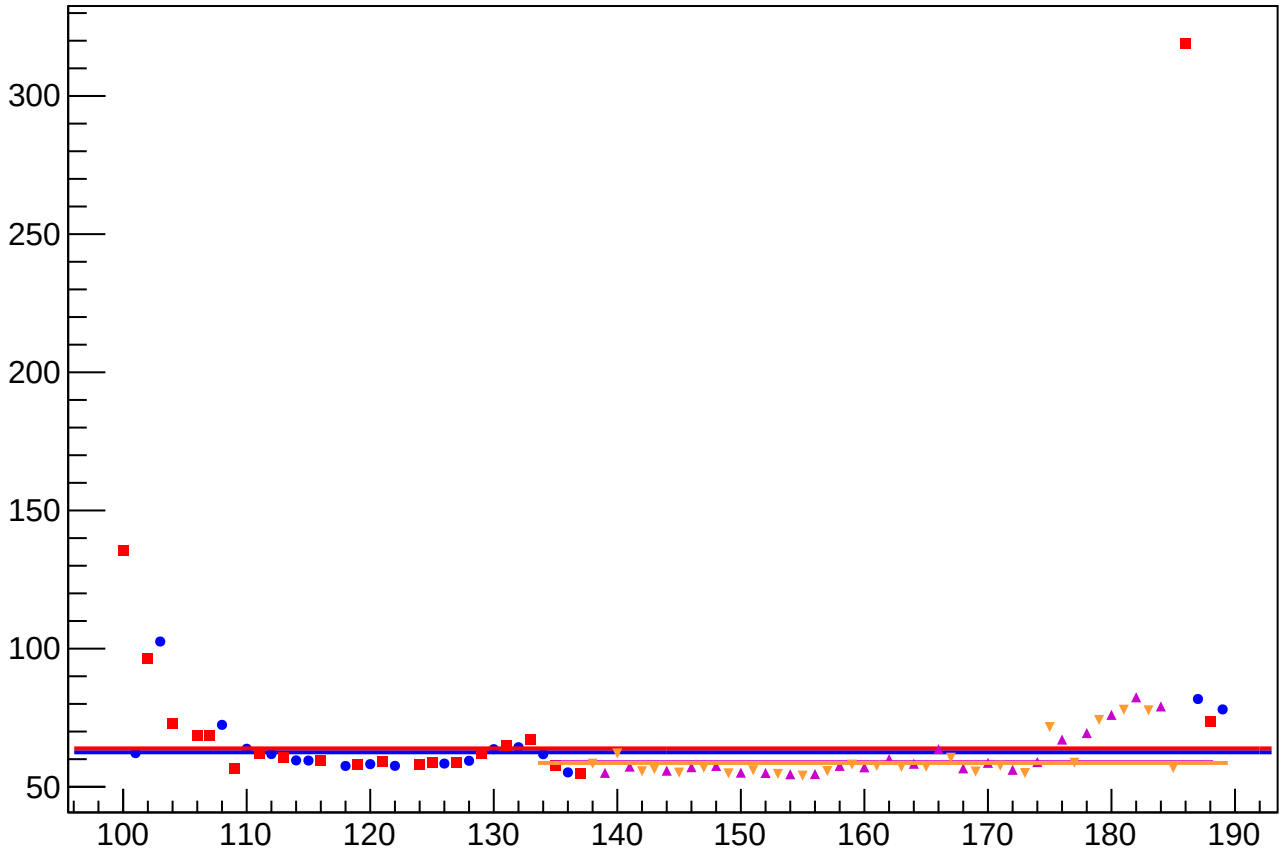
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -172.629+/-15.765 χ^2/NDF: 80.8/38

In: -195.297+/-11.792 χ^2/NDF:55.0/40

Out: -166.604+/-11.477 χ^2/NDF:90.8/45

All: -180.562+/-8.225 χ^2/NDF: 148.9/86



Right In: 62.493+/-0.016 χ^2/NDF: 317008.8/17

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.900+/-0.016 χ^2/NDF: 834364.0/20

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

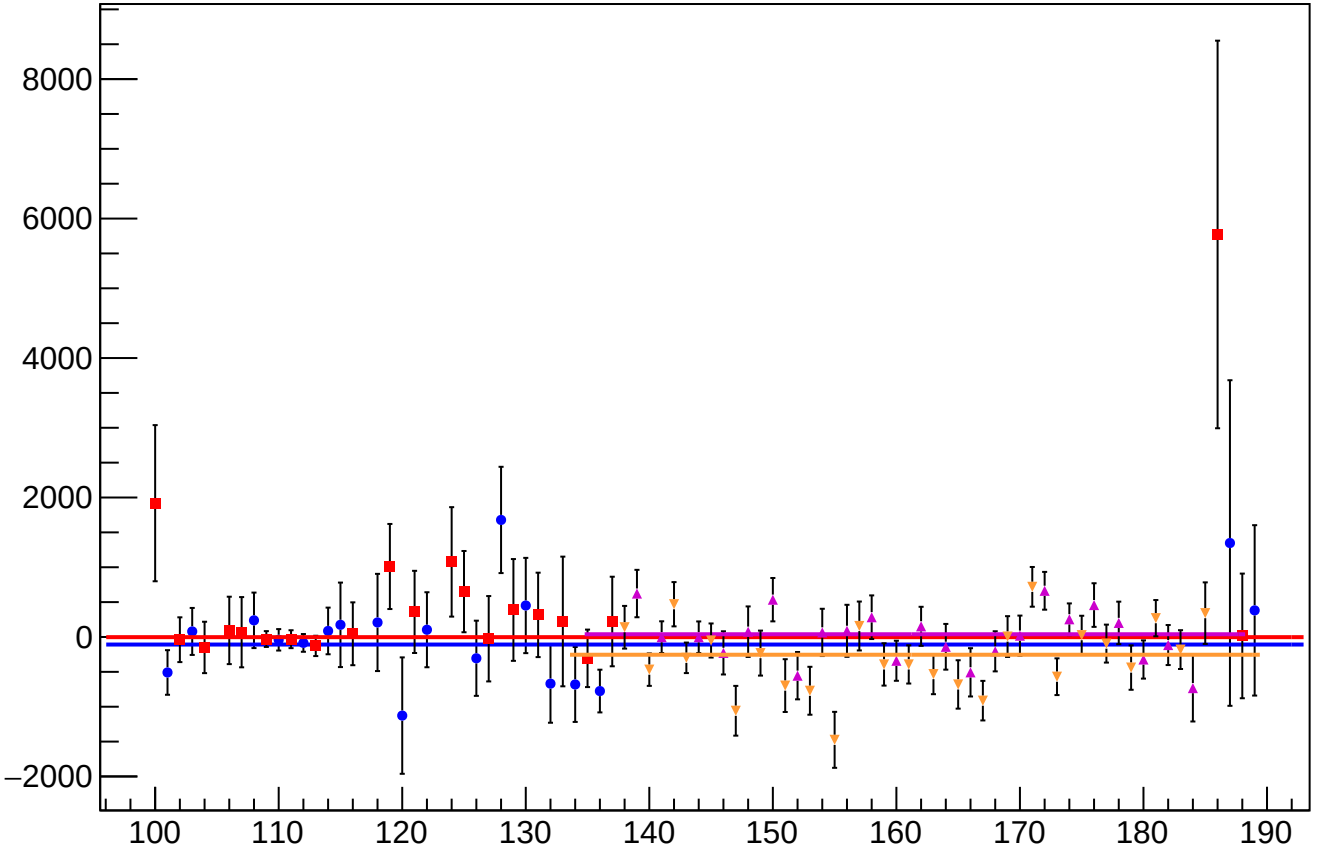
Right: 63.205+/-0.011 χ^2/NDF: 1155353.6/38

In: 59.896+/-0.008 χ^2/NDF:740807.4/40

Out: 60.055+/-0.008 χ^2/NDF:1310608.8/45

All: 59.978+/-0.006 χ^2/NDF: 2051601.4/86

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -108.408+/-76.025 χ^2/NDF: 19.0/17

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -2.454+/-63.904 χ^2/NDF: 15.9/20

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

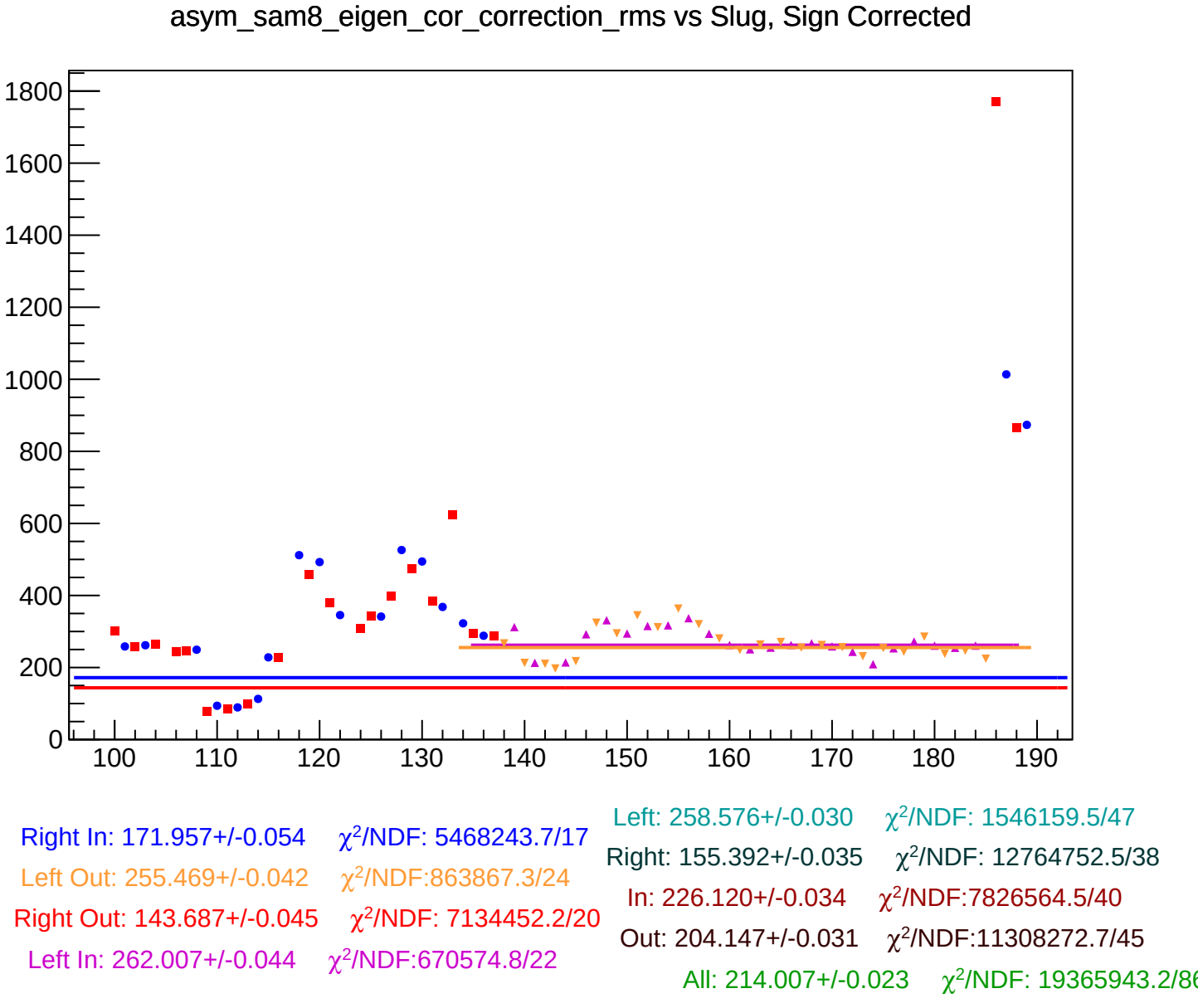
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -46.321+/-48.918 χ^2/NDF: 36.1/38

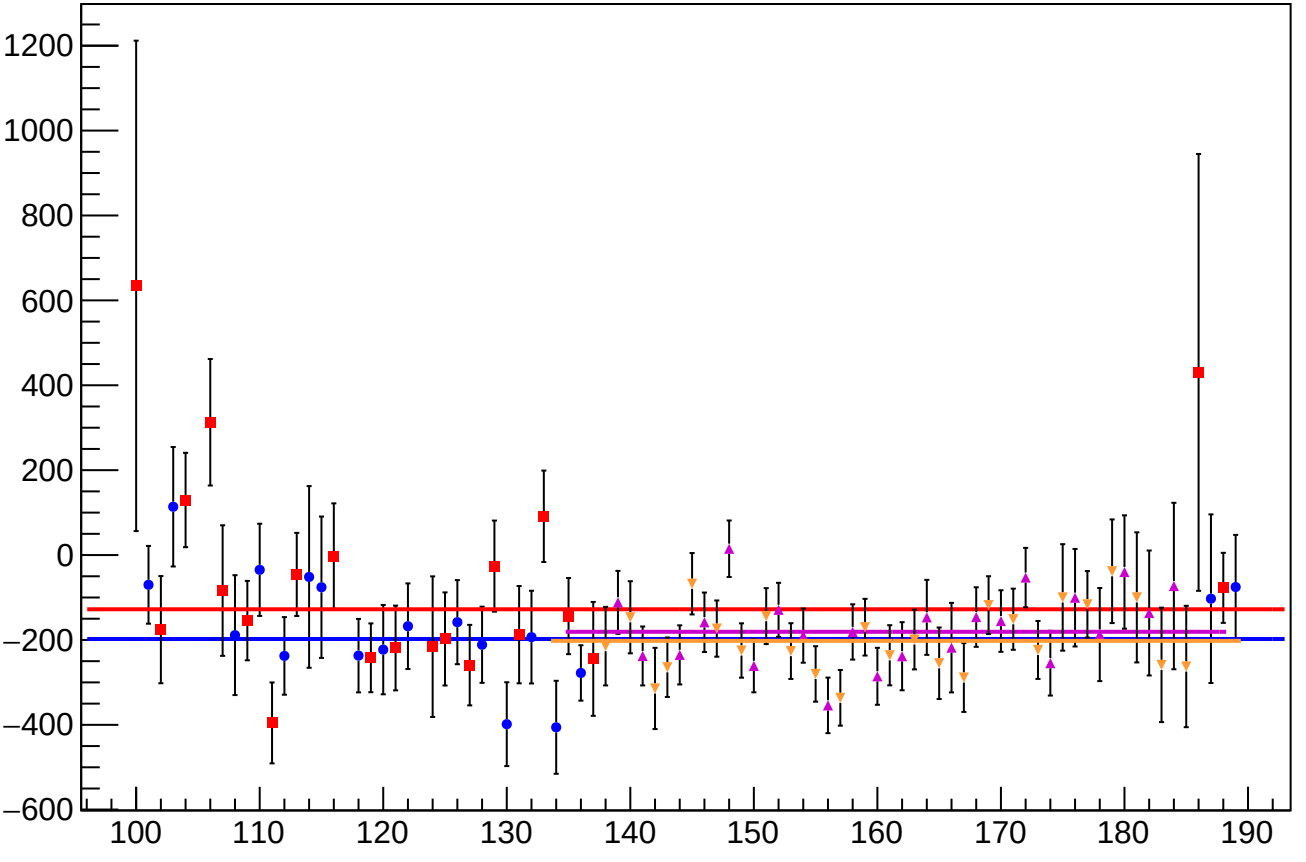
In: -19.659+/-47.993 χ^2/NDF:49.6/40

Out: -138.847+/-43.300 χ^2/NDF:82.0/45

All: -85.364+/-32.149 χ^2/NDF: 135.0/86


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 171.957+/-0.054 χ²/NDF: 5468243.7/17
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 143.687+/-0.045 χ²/NDF: 7134452.2/20
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 155.392+/-0.035 χ²/NDF: 12764752.5/38
In: 226.120+/-0.034 χ²/NDF:7826564.5/40
Out: 204.147+/-0.031 χ²/NDF:11308272.7/45
All: 214.007+/-0.023 χ²/NDF: 19365943.2/86

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -197.729+/-24.795 χ^2/NDF: 21.3/17

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -127.741+/-24.322 χ^2/NDF: 38.8/20

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

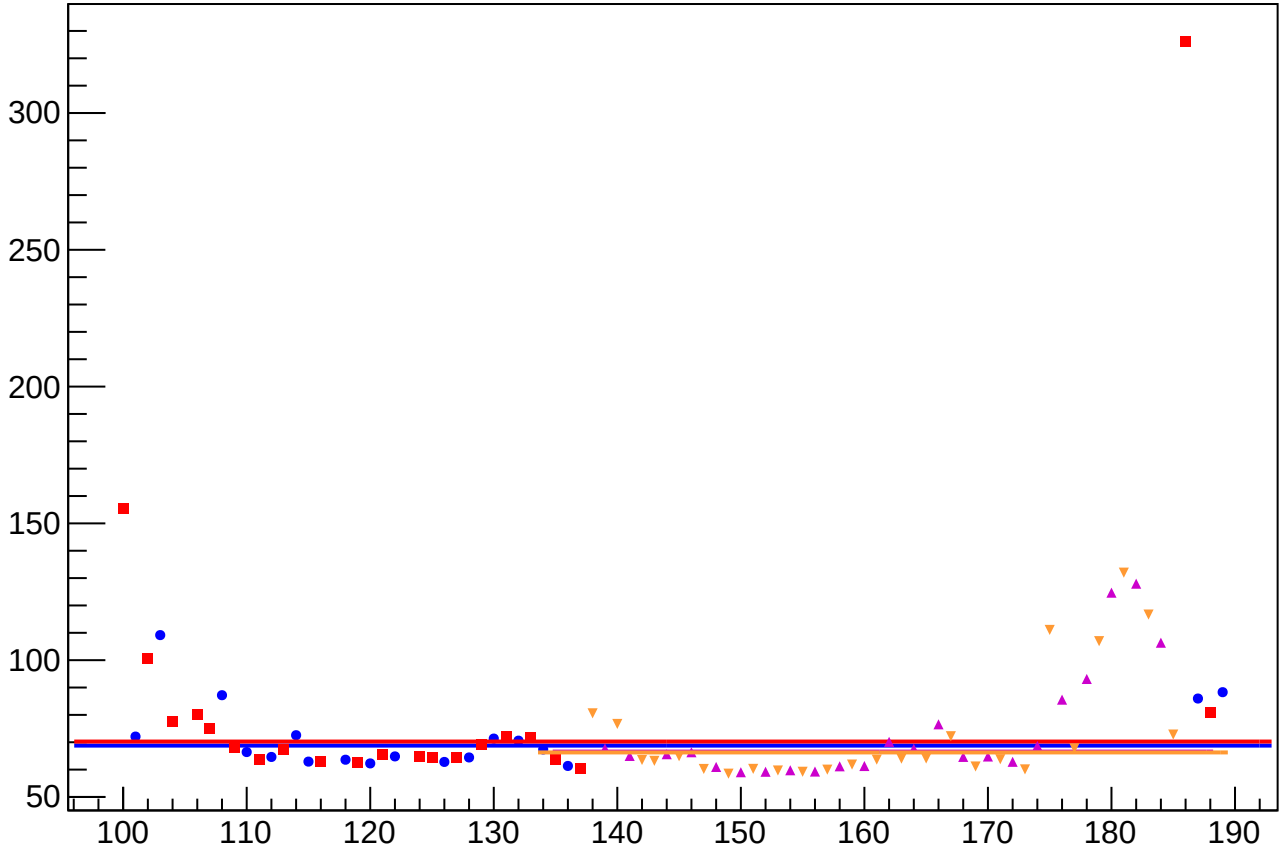
Right: -162.061+/-17.363 χ^2/NDF: 64.2/38

In: -185.774+/-13.455 χ^2/NDF:51.8/40

Out: -180.541+/-13.094 χ^2/NDF:67.0/45

All: -183.086+/-9.384 χ^2/NDF: 118.8/86

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 68.774+/-0.018 χ^2/NDF: 333058.4/17

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 70.255+/-0.017 χ^2/NDF: 783167.6/20

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

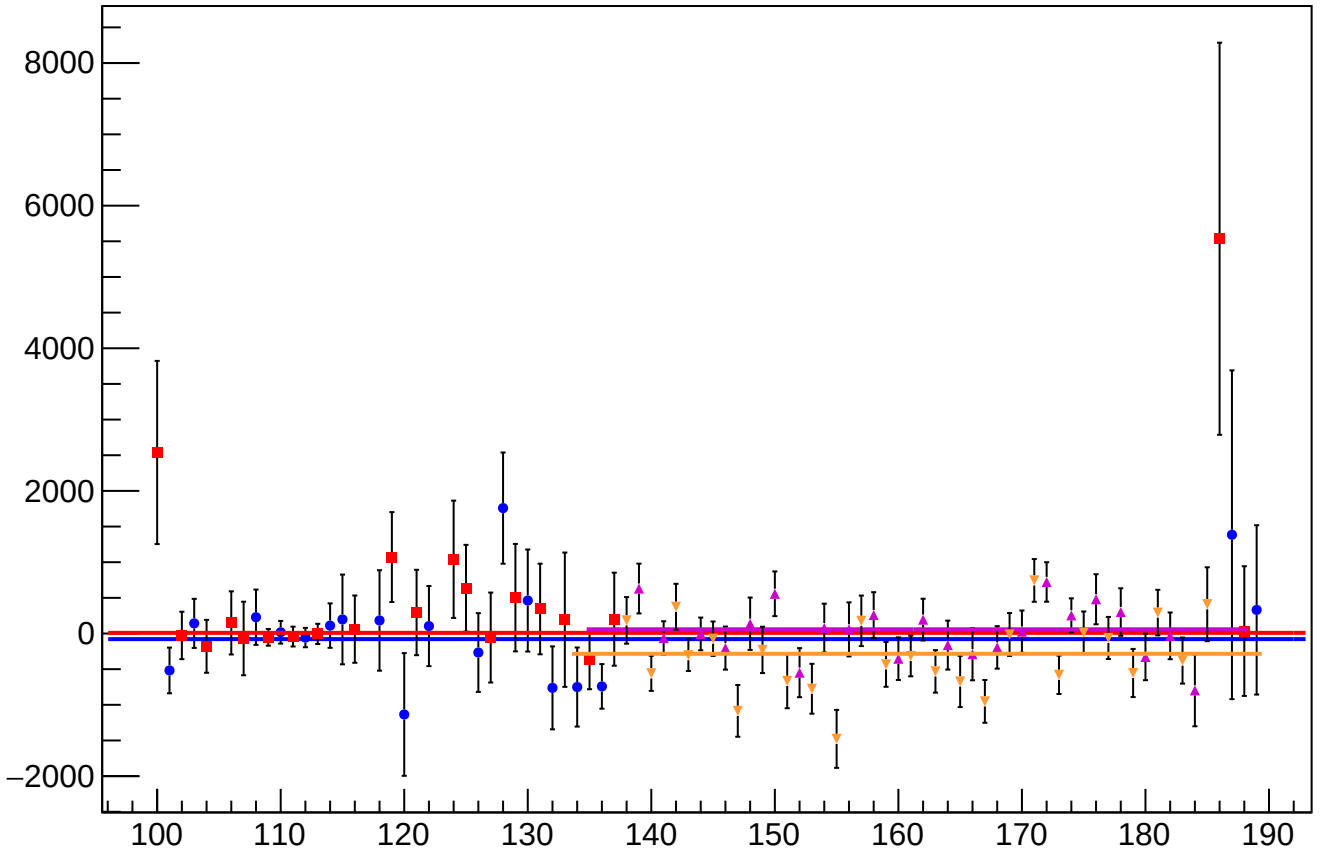
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 69.529+/-0.012 χ^2/NDF: 1119863.1/38

In: 67.230+/-0.010 χ^2/NDF:1502289.5/40

Out: 67.431+/-0.009 χ^2/NDF:2215004.4/45

All: 67.333+/-0.007 χ^2/NDF: 3717524.3/86



Right In: -78.724+/-78.458 χ^2/NDF: 19.7/17

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 9.369+/-65.719 χ^2/NDF: 16.1/20

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

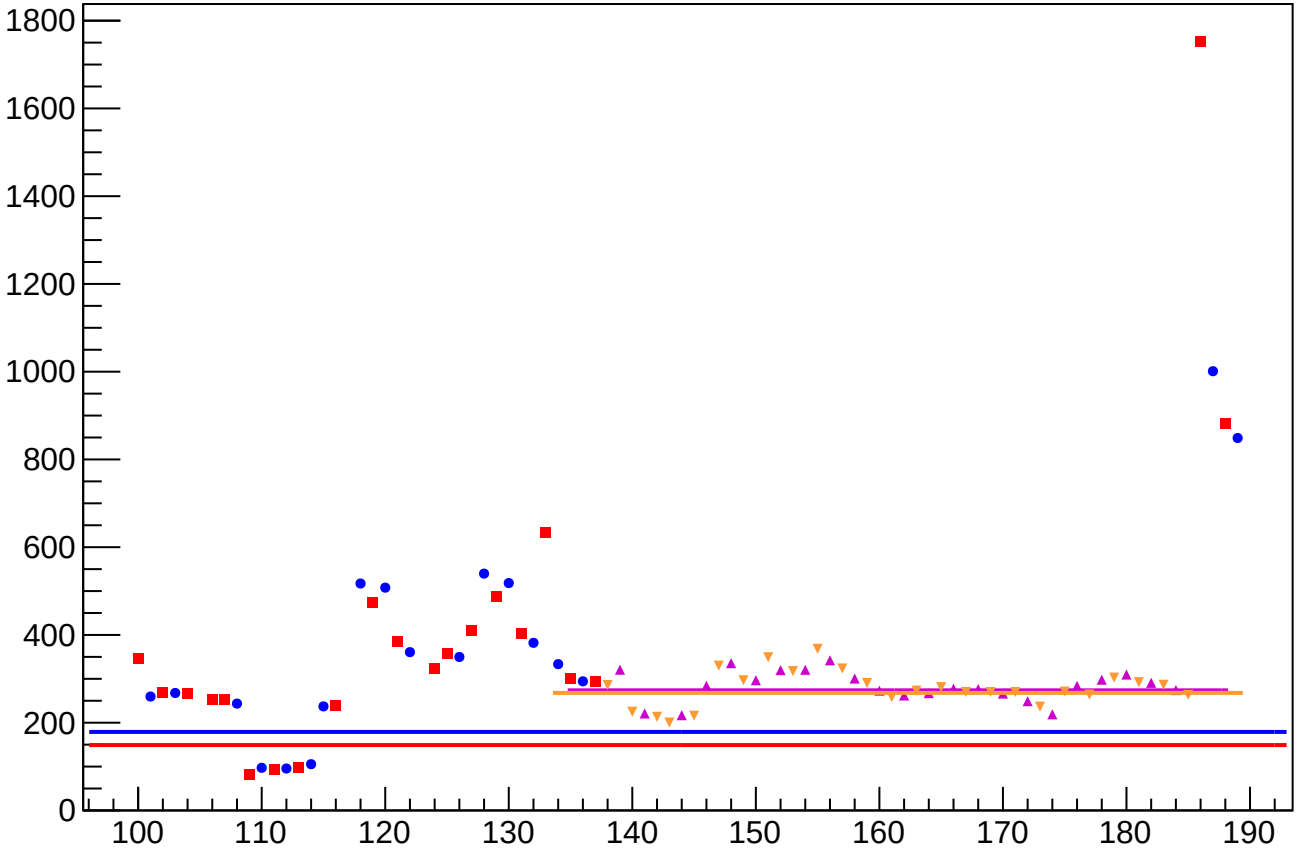
Right: -26.954+/-50.380 χ^2/NDF: 36.6/38

In: 3.414+/-49.887 χ^2/NDF:48.4/40

Out: -146.734+/-44.993 χ^2/NDF:81.3/45

All: -79.385+/-33.412 χ^2/NDF: 134.7/86

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 178.997+/-0.055 χ^2/NDF: 5324680.3/17

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 149.050+/-0.046 χ^2/NDF: 7124115.5/20

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

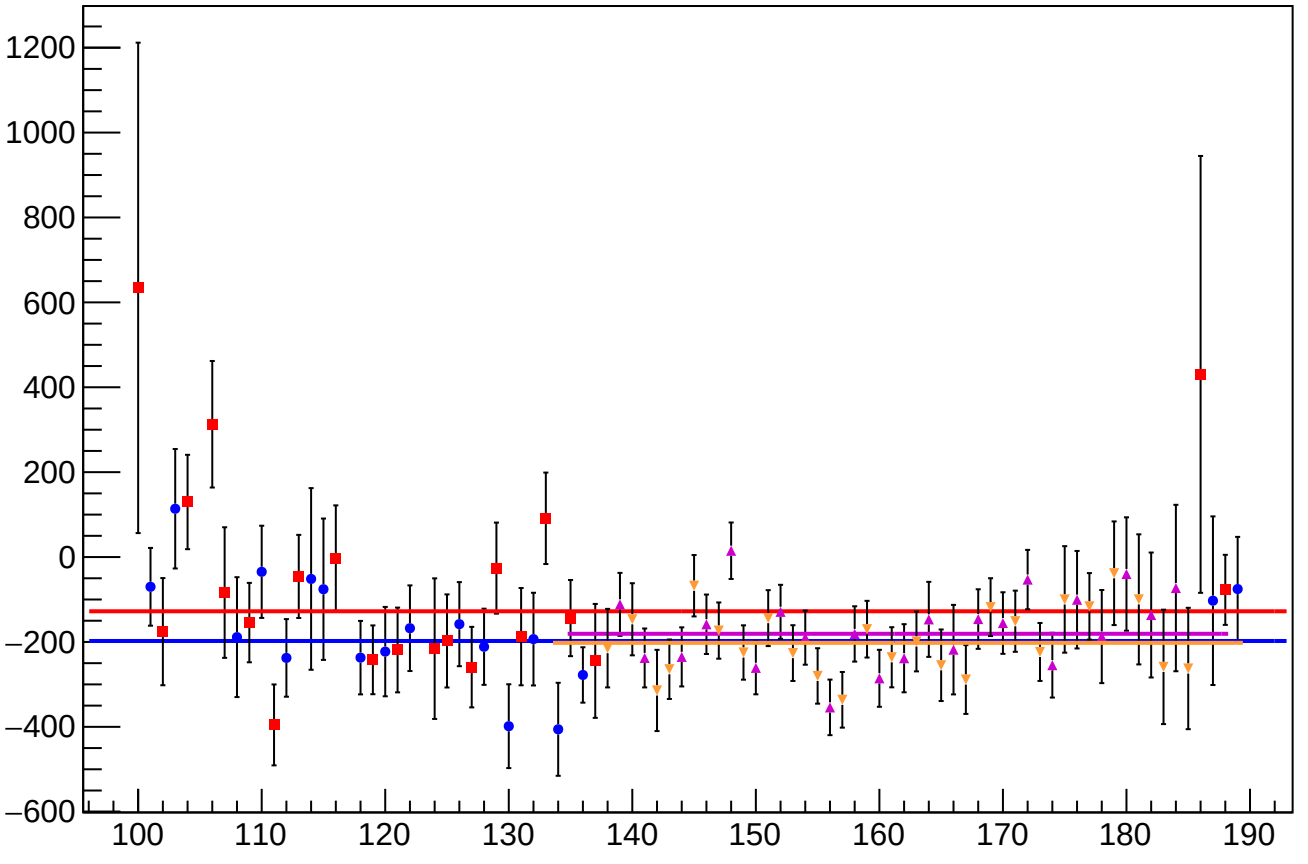
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 161.398+/-0.036 χ^2/NDF: 12620037.7/38

In: 235.442+/-0.035 χ^2/NDF:7712661.3/40

Out: 212.239+/-0.032 χ^2/NDF:11467095.6/45

All: 222.647+/-0.024 χ^2/NDF: 19418339.4/86



Right In: -197.729+/-24.795 χ^2/NDF: 21.3/17

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -127.742+/-24.322 χ^2/NDF: 38.8/20

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

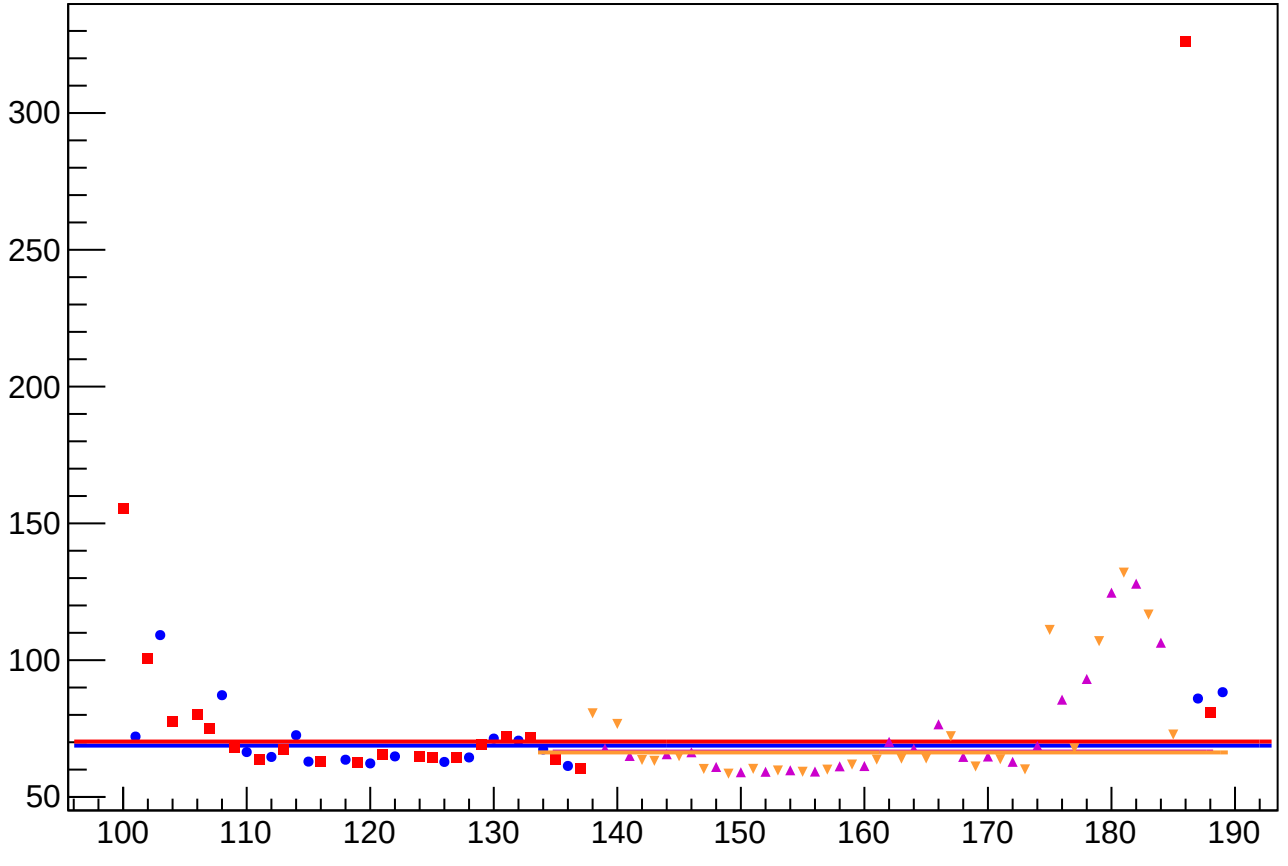
Right: -162.062+/-17.363 χ^2/NDF: 64.2/38

In: -185.775+/-13.455 χ^2/NDF:51.8/40

Out: -180.541+/-13.094 χ^2/NDF:67.0/45

All: -183.086+/-9.384 χ^2/NDF: 118.8/86

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 68.774+/-0.018 χ^2/NDF: 333061.1/17

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 70.255+/-0.017 χ^2/NDF: 783169.3/20

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

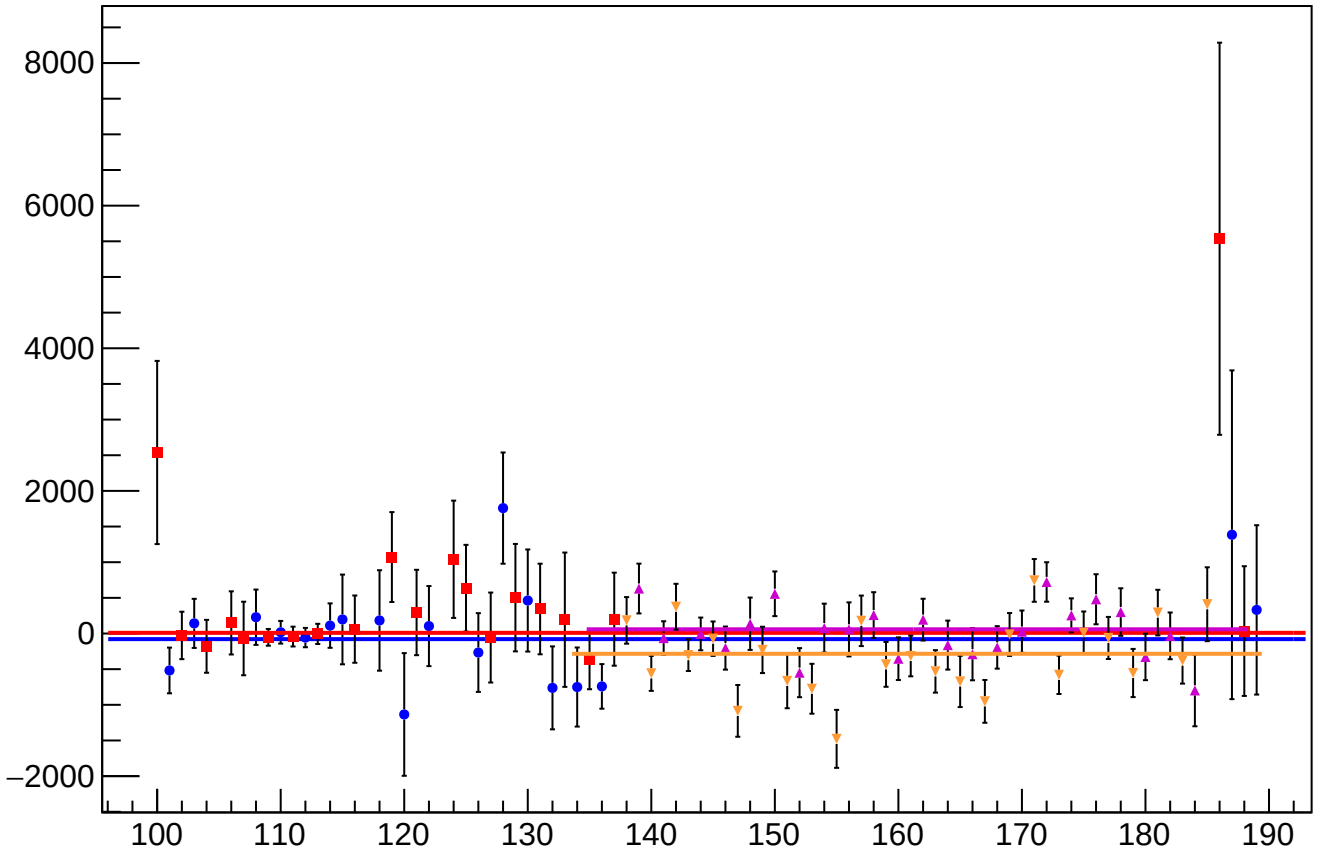
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 69.528+/-0.012 χ^2/NDF: 1119867.1/38

In: 67.230+/-0.010 χ^2/NDF:1502284.0/40

Out: 67.431+/-0.009 χ^2/NDF:2215003.5/45

All: 67.333+/-0.007 χ^2/NDF: 3717517.9/86



Right In: -78.722+/-78.458 χ^2/NDF: 19.7/17

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 9.368+/-65.719 χ^2/NDF: 16.1/20

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

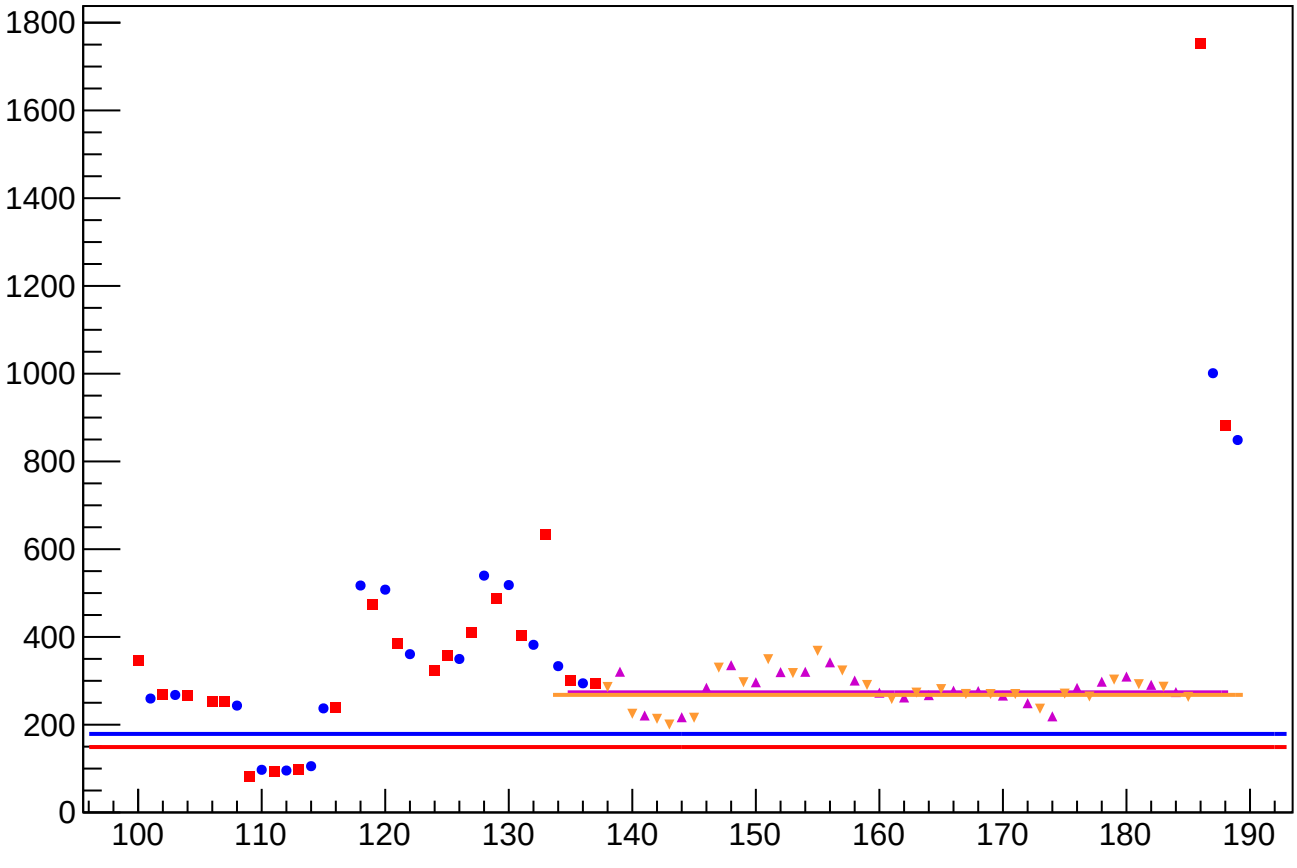
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -26.954+/-50.380 χ^2/NDF: 36.6/38

In: 3.414+/-49.887 χ^2/NDF:48.4/40

Out: -146.734+/-44.993 χ^2/NDF:81.3/45

All: -79.385+/-33.411 χ^2/NDF: 134.7/86



Right In: 178.996+/-0.055 χ^2/NDF: 5324704.1/17

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 149.049+/-0.046 χ^2/NDF: 7124094.9/20

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

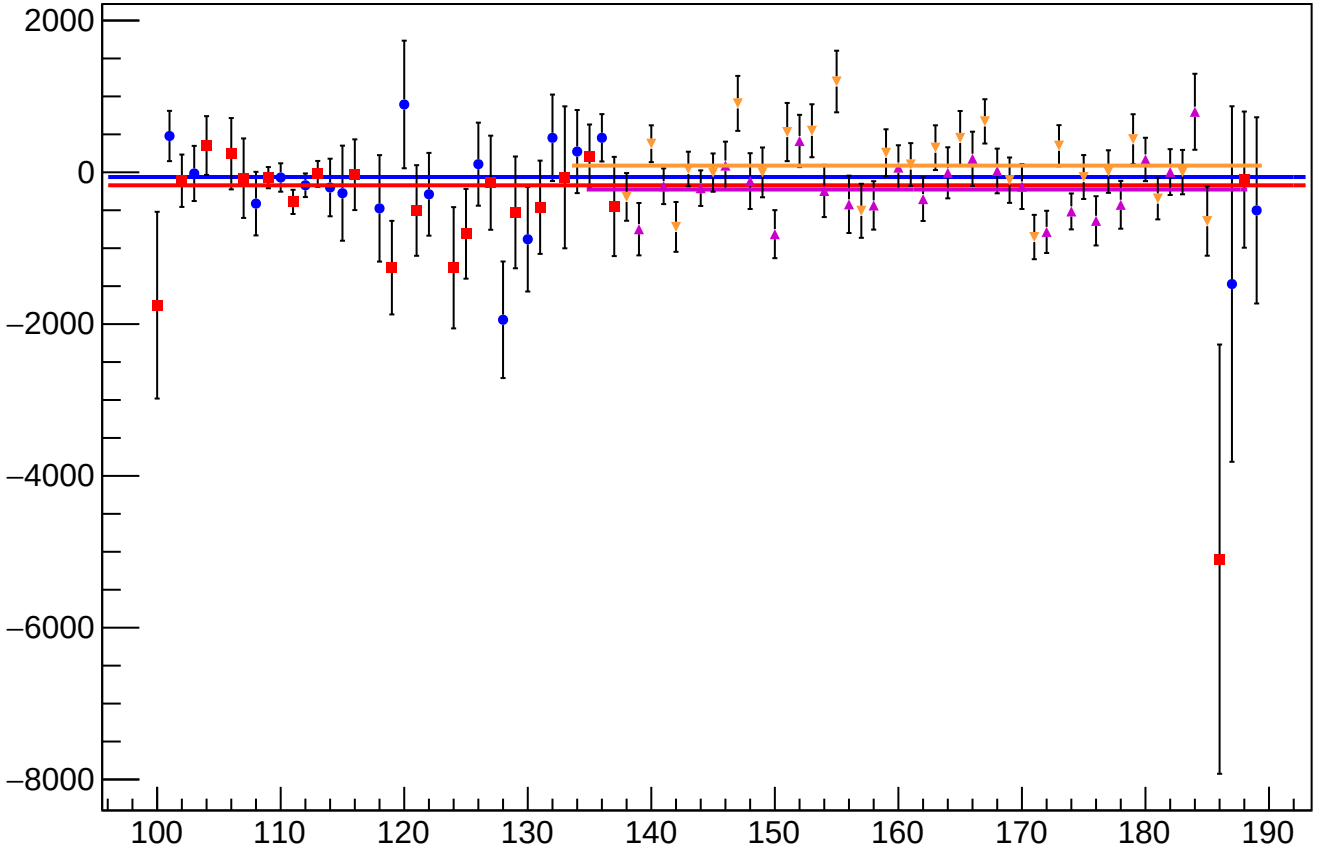
Right: 161.397+/-0.036 χ^2/NDF: 12620030.0/38

In: 235.441+/-0.035 χ^2/NDF:7712725.4/40

Out: 212.238+/-0.032 χ^2/NDF:11467067.9/45

All: 222.646+/-0.024 χ^2/NDF: 19418364.3/86

asym_sam8_mean vs Slug, Sign Corrected



Right In: -62.116+/-86.614 χ^2/NDF: 17.9/17

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -171.231+/-74.316 χ^2/NDF: 18.5/20

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

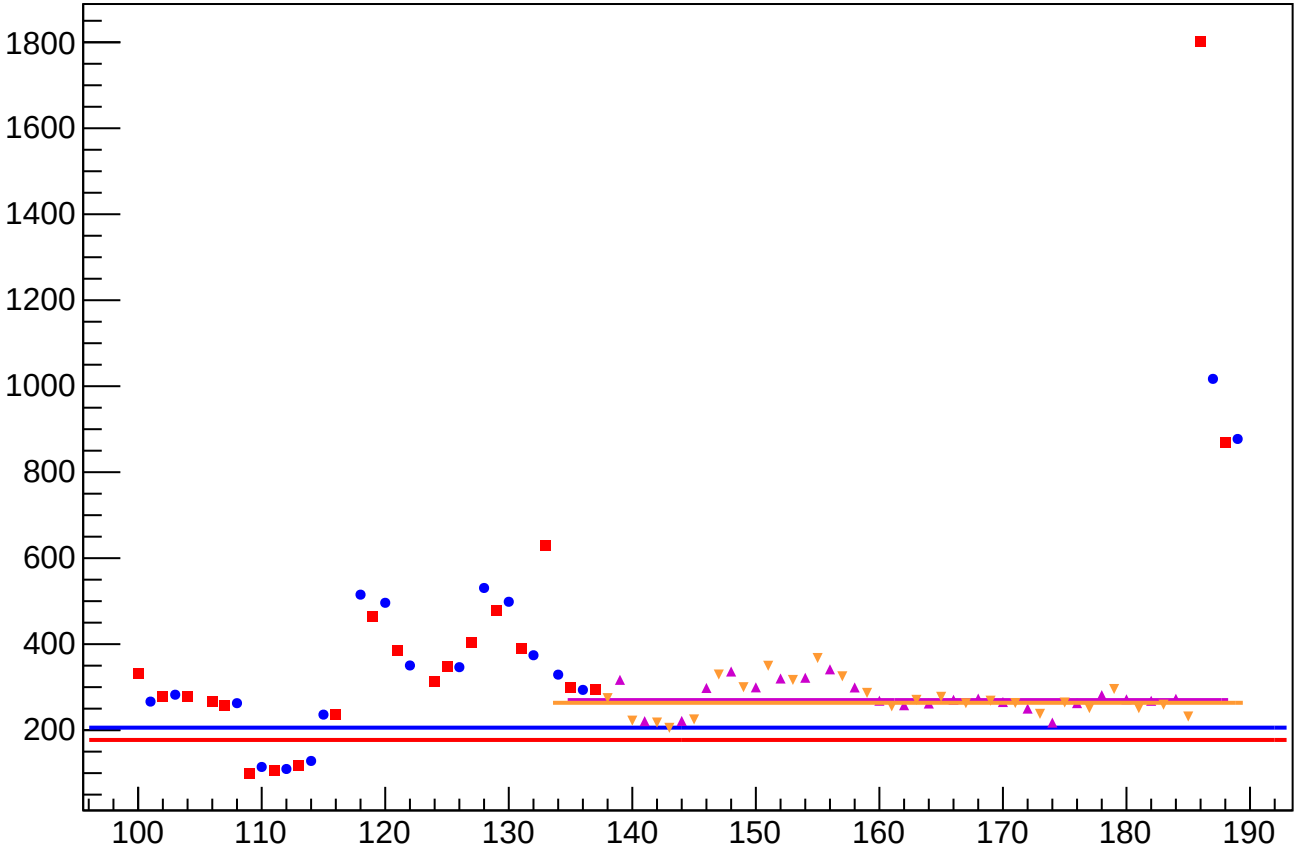
Right: -124.964+/-56.400 χ^2/NDF: 37.3/38

In: -169.063+/-51.304 χ^2/NDF:49.1/40

Out: -15.429+/-46.996 χ^2/NDF:78.1/45

All: -85.525+/-34.654 χ^2/NDF: 132.0/86

asym_sam8_rms vs Slug, Sign Corrected



Right In: 205.787+/-0.061 χ^2/NDF: 4416775.0/17

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 177.173+/-0.053 χ^2/NDF: 6058337.5/20

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

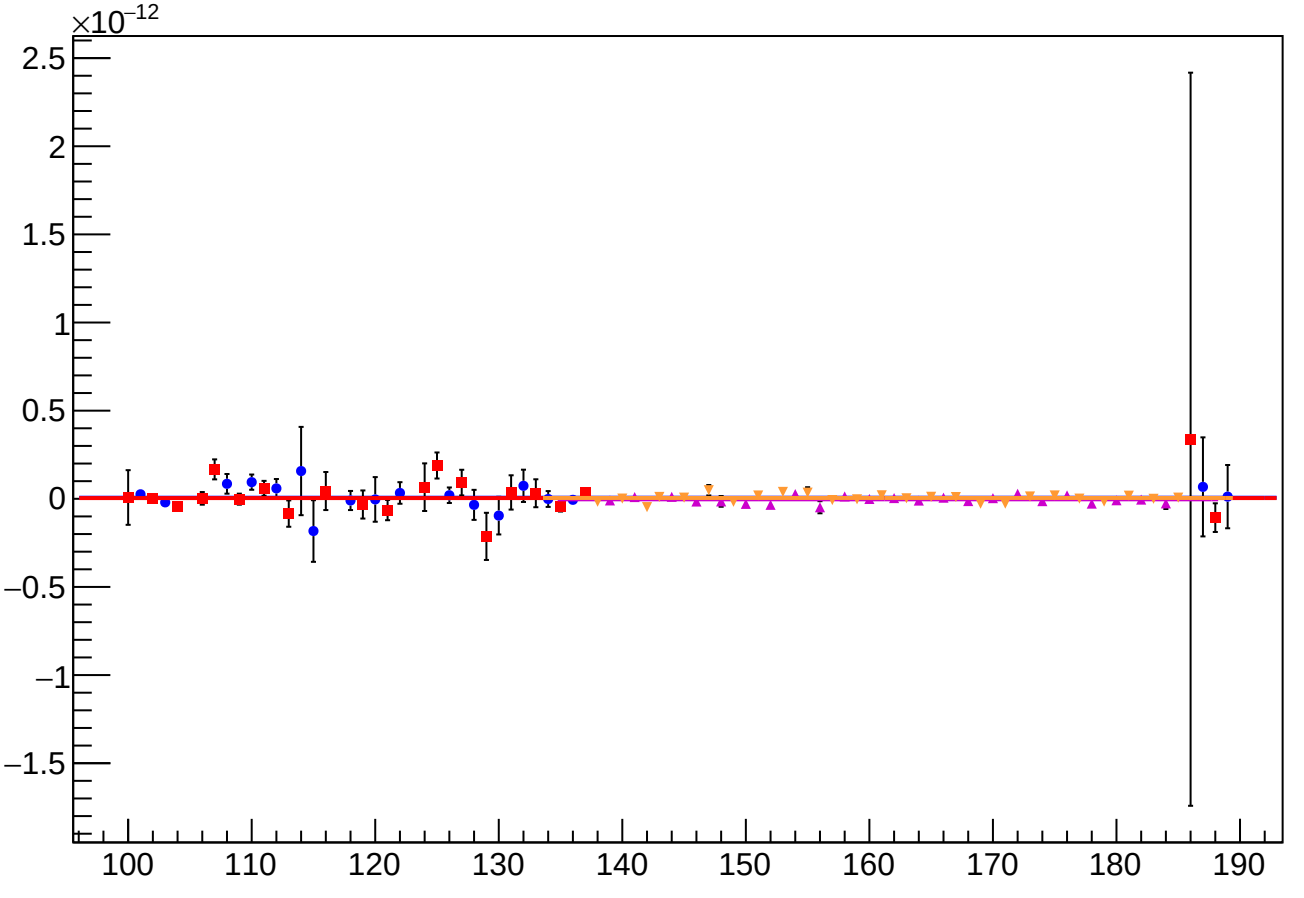
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 189.306+/-0.040 χ^2/NDF: 10600834.4/38

In: 247.404+/-0.036 χ^2/NDF:5730328.1/40

Out: 229.033+/-0.033 χ^2/NDF:8461191.7/45

All: 237.415+/-0.025 χ^2/NDF: 14330956.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/20

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

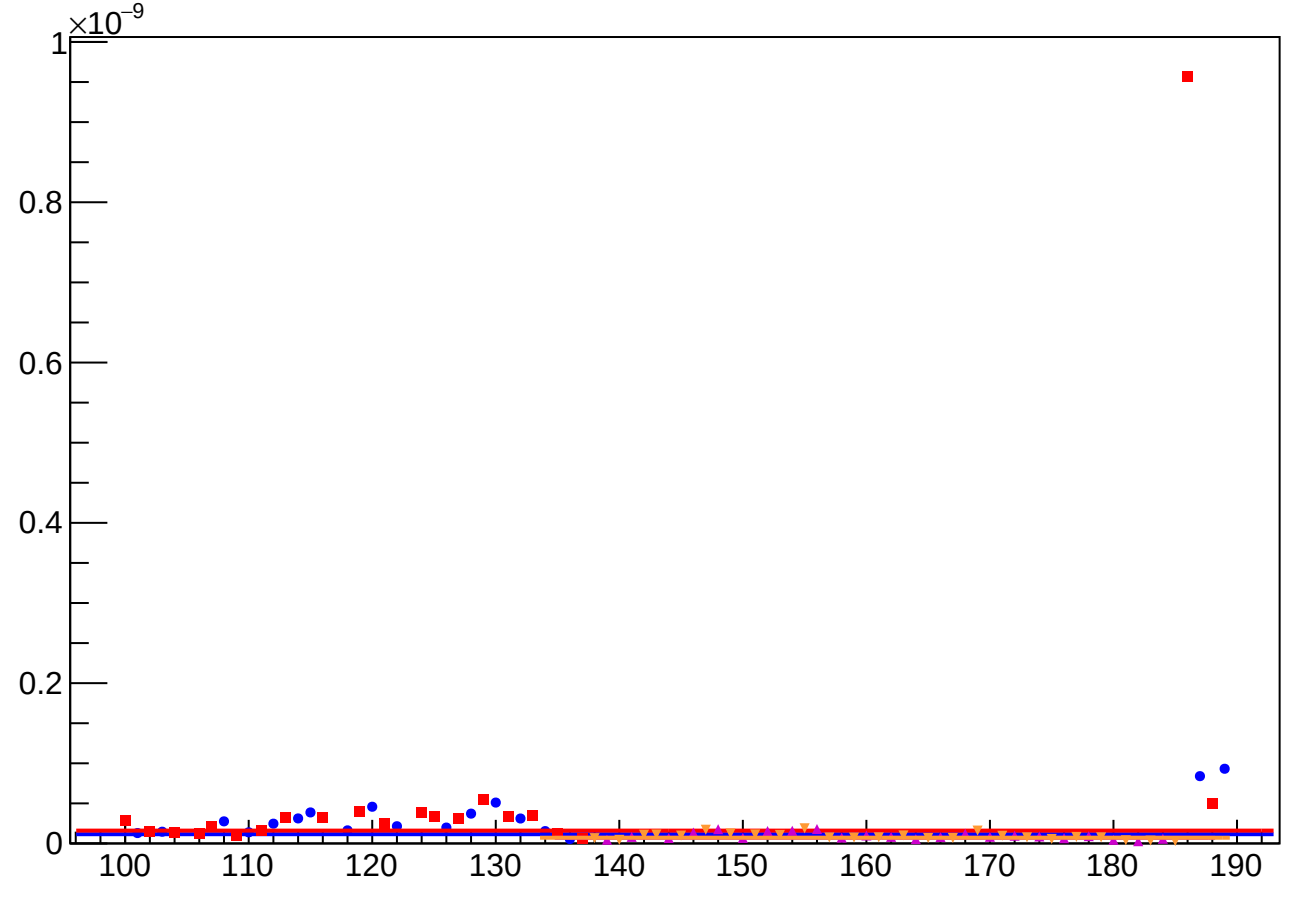
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 46.3/38

In: -0.000+/-0.000 χ^2/NDF:36.4/40

Out: 0.000+/-0.000 χ^2/NDF:60.3/45

All: 0.000+/-0.000 χ^2/NDF: 99.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 2337368.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2212465.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

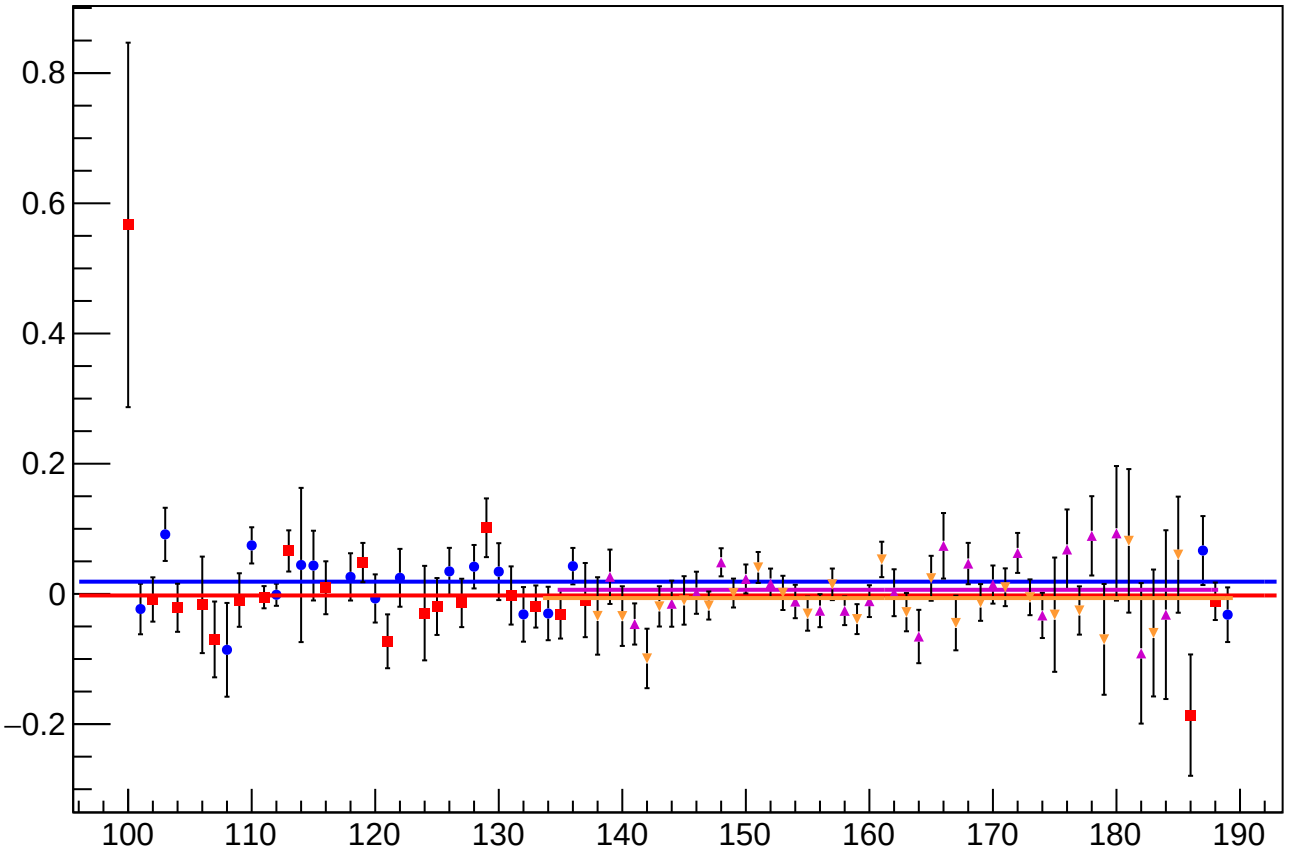
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 4785729.1/38

In: 0.000+/-0.000 χ^2/NDF:4901033.5/40

Out: 0.000+/-0.000 χ^2/NDF:5580238.6/45

All: 0.000+/-0.000 χ^2/NDF: 10486988.1/86



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.9/20

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

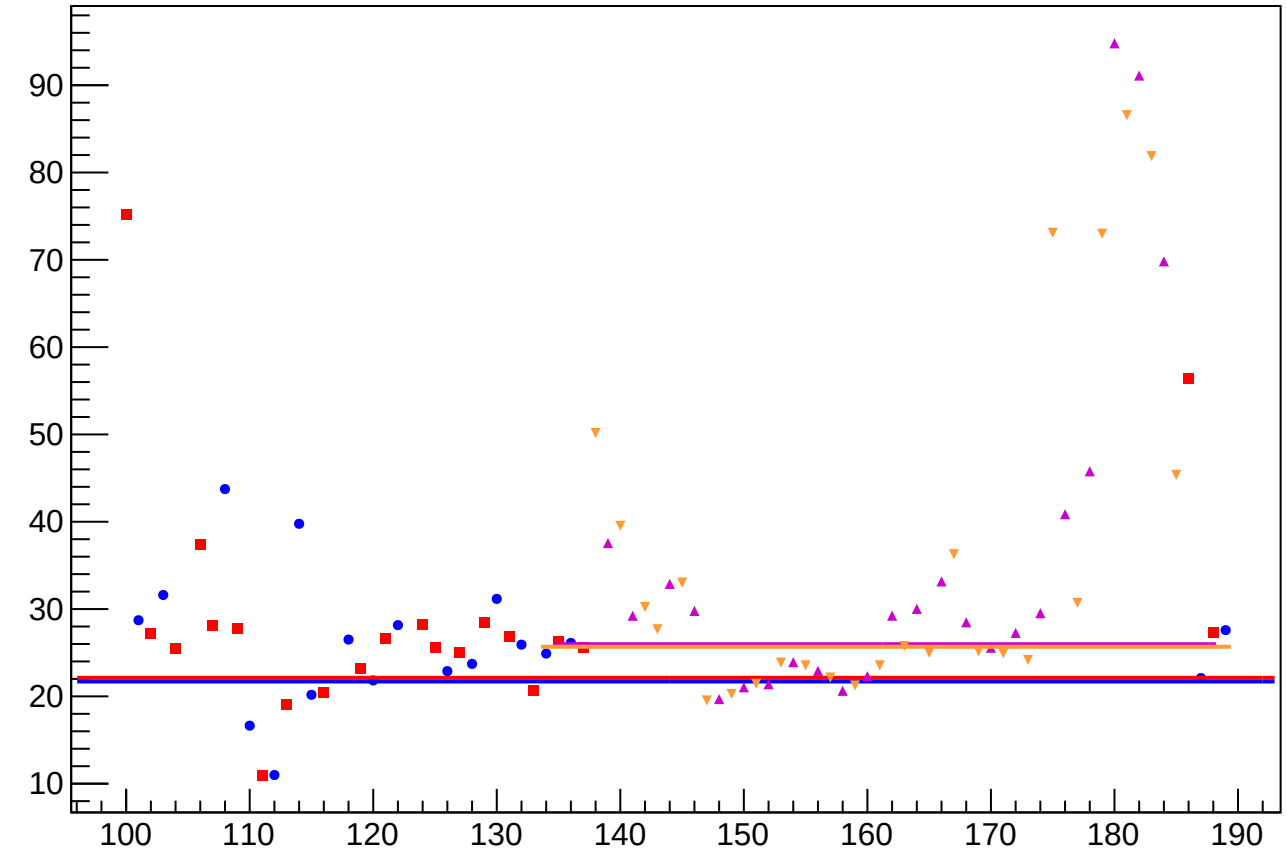
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.008+/-0.006 χ^2/NDF: 49.5/38

In: 0.011+/-0.005 χ^2/NDF:49.1/40

Out: -0.005+/-0.005 χ^2/NDF:49.6/45

All: 0.003+/-0.004 χ^2/NDF: 103.6/86



Right In: 21.706+/-0.006 χ^2/NDF: 1581886.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 22.126+/-0.006 χ^2/NDF: 1661276.3/20

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

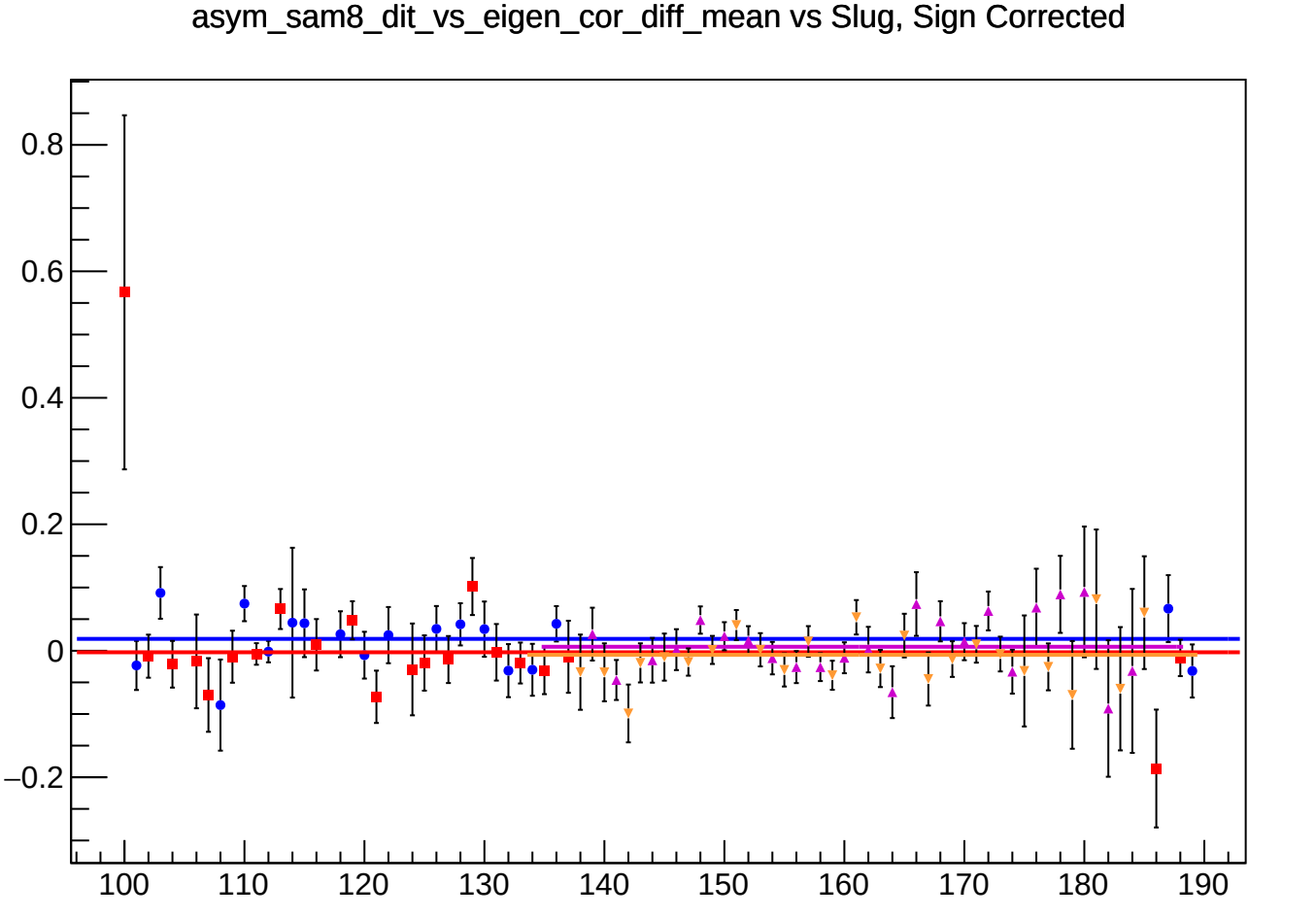
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

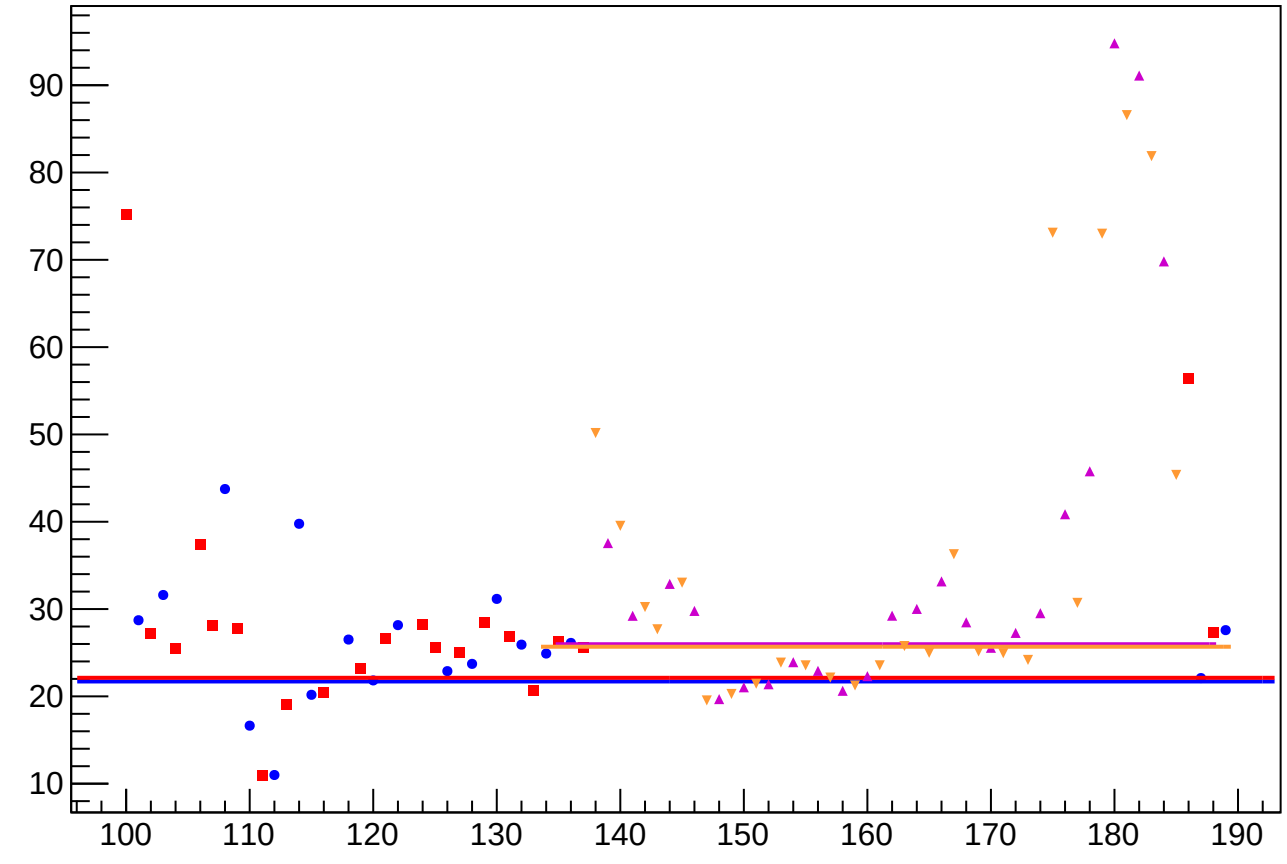
Right: 21.923+/-0.004 χ^2/NDF: 3245749.4/38

In: 24.335+/-0.004 χ^2/NDF:5018295.5/40

Out: 24.324+/-0.004 χ^2/NDF:5769699.5/45

All: 24.329+/-0.003 χ^2/NDF: 10787999.5/86


asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.019+/-0.008 χ²/NDF: 19.3/17
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.002+/-0.008 χ²/NDF: 26.9/20
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: 0.008+/-0.006 χ²/NDF: 49.5/38
In: 0.011+/-0.005 χ²/NDF:49.1/40
Out: -0.005+/-0.005 χ²/NDF:49.6/45
All: 0.003+/-0.004 χ²/NDF: 103.6/86



Right In: 21.706+/-0.006 χ^2/NDF: 1581886.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 22.126+/-0.006 χ^2/NDF: 1661276.3/20

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

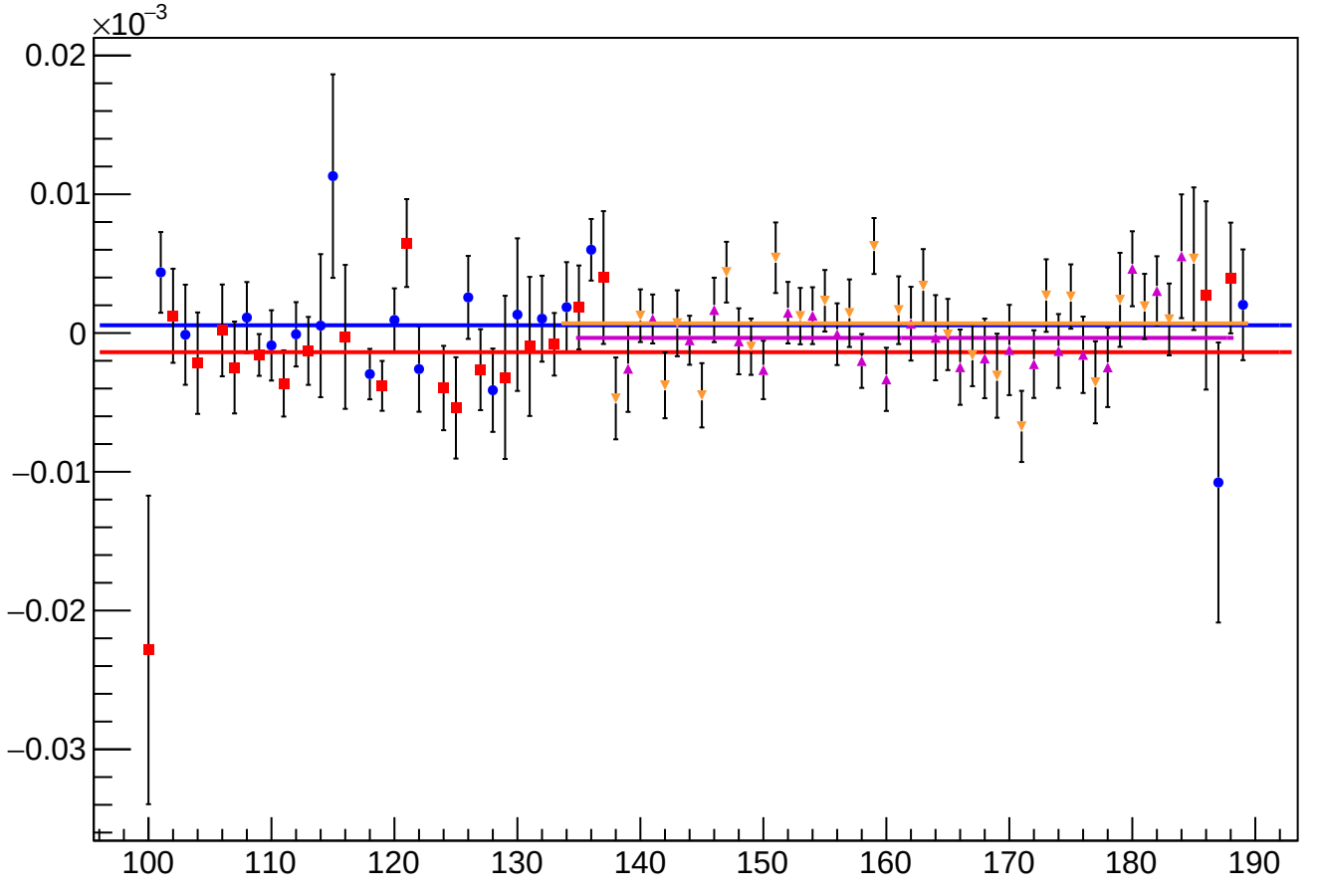
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 21.923+/-0.004 χ^2/NDF: 3245749.4/38

In: 24.335+/-0.004 χ^2/NDF:5018295.5/40

Out: 24.324+/-0.004 χ^2/NDF:5769699.5/45

All: 24.329+/-0.003 χ^2/NDF: 10787999.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/20

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

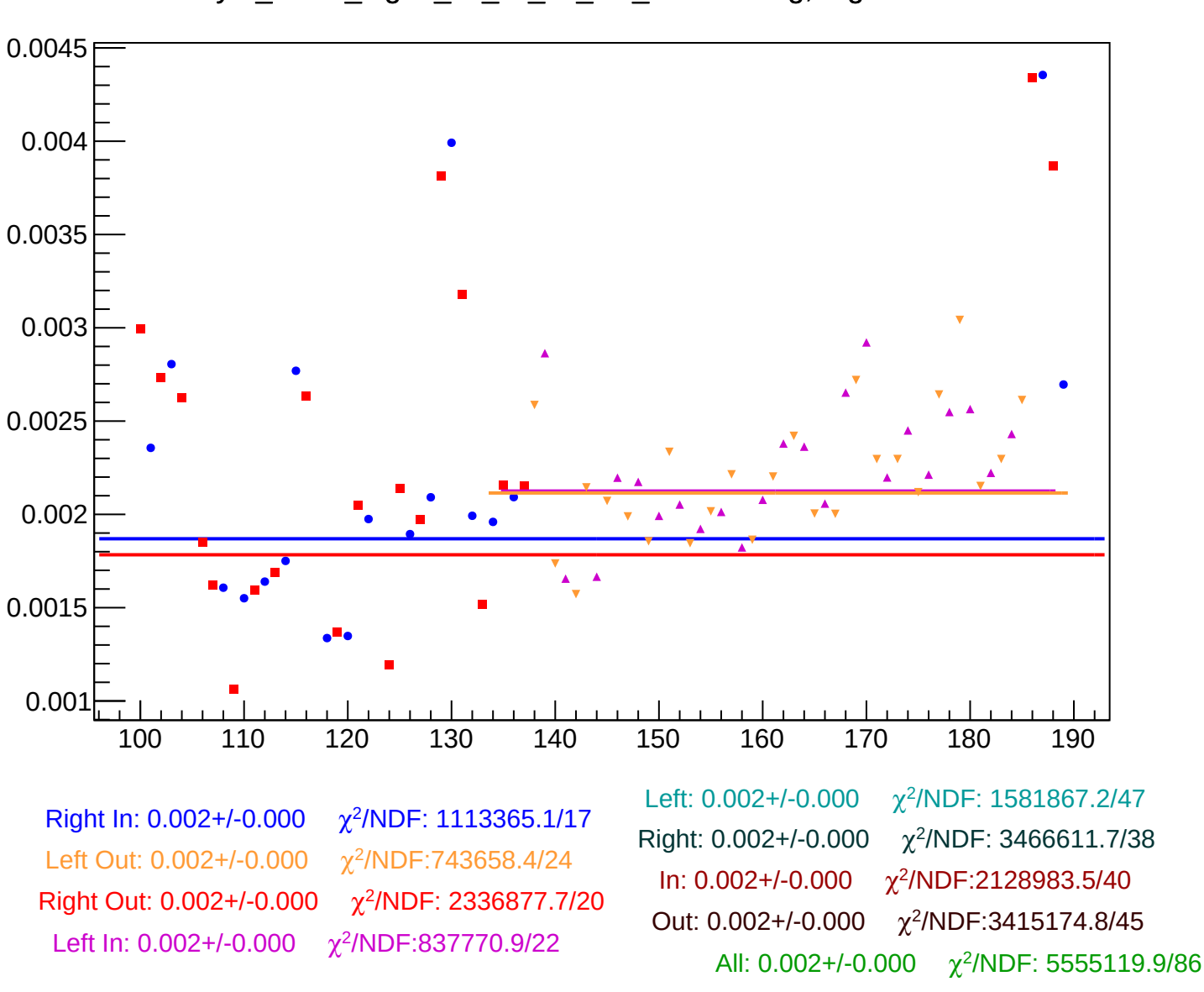
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.3/38

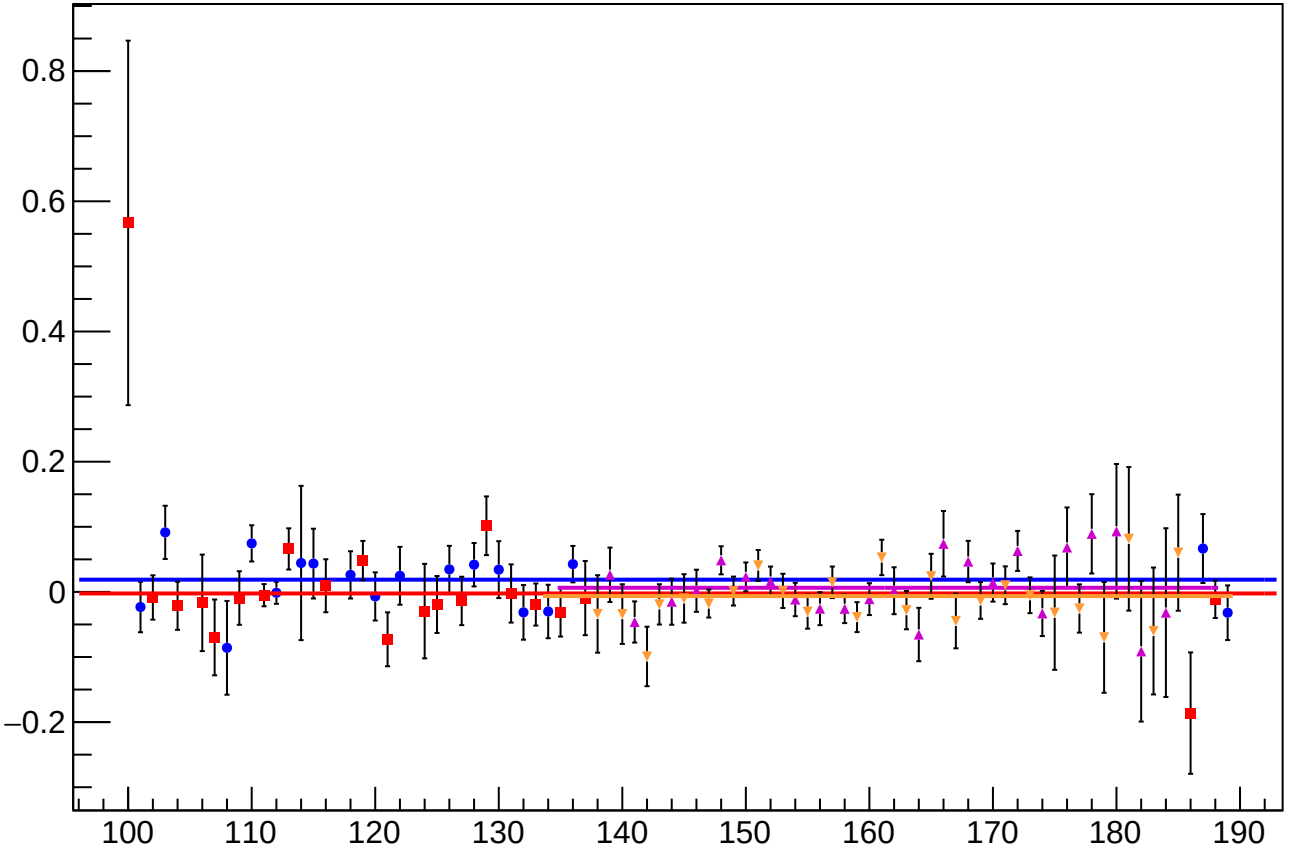
In: -0.000+/-0.000 χ^2/NDF:37.2/40

Out: -0.000+/-0.000 χ^2/NDF:71.4/45

All: -0.000+/-0.000 χ^2/NDF: 108.6/86


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
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 1113365.1/17
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 2336877.7/20
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.002+/-0.000 χ²/NDF: 3466611.7/38
In: 0.002+/-0.000 χ²/NDF:2128983.5/40
Out: 0.002+/-0.000 χ²/NDF:3415174.8/45
All: 0.002+/-0.000 χ²/NDF: 5555119.9/86

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.9/20

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

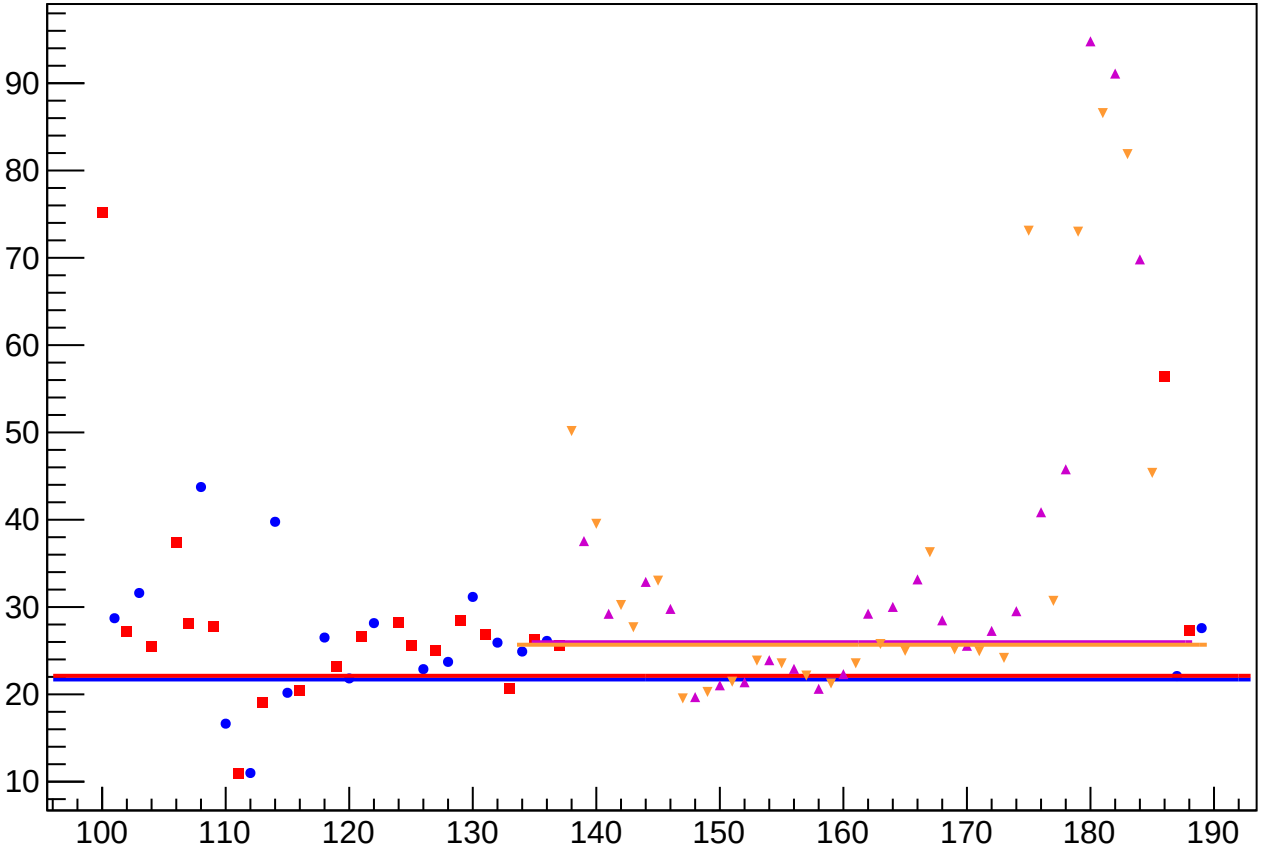
Right: 0.008+/-0.006 χ^2/NDF: 49.5/38

In: 0.011+/-0.005 χ^2/NDF:49.1/40

Out: -0.005+/-0.005 χ^2/NDF:49.6/45

All: 0.003+/-0.004 χ^2/NDF: 103.6/86

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.705+/-0.006 χ^2/NDF: 1582055.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 22.125+/-0.006 χ^2/NDF: 1661412.8/20

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

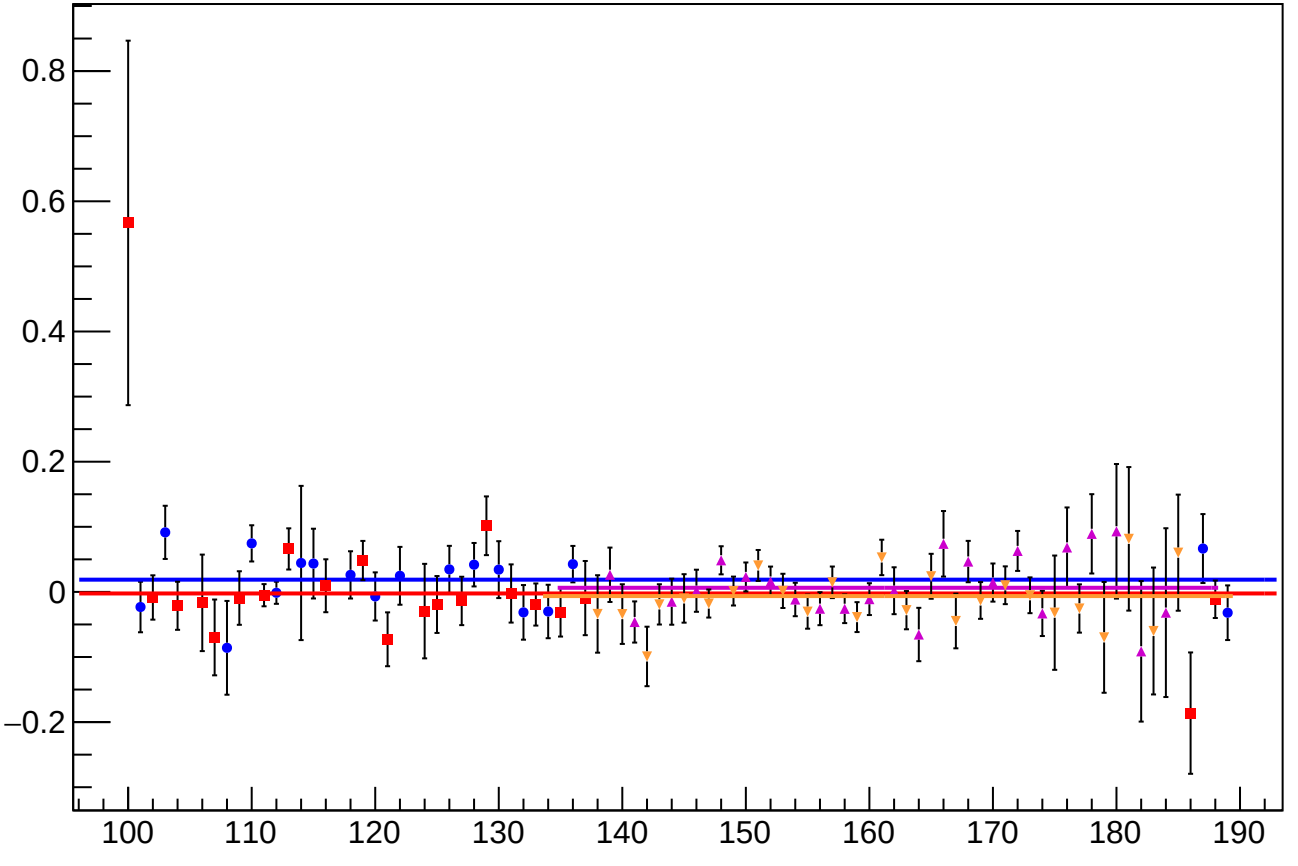
Right: 21.922+/-0.004 χ^2/NDF: 3246053.8/38

In: 24.335+/-0.004 χ^2/NDF:5018554.4/40

Out: 24.324+/-0.004 χ^2/NDF:5769947.7/45

All: 24.329+/-0.003 χ^2/NDF: 10788506.7/86

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.008 χ^2/NDF: 19.3/17

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.9/20

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

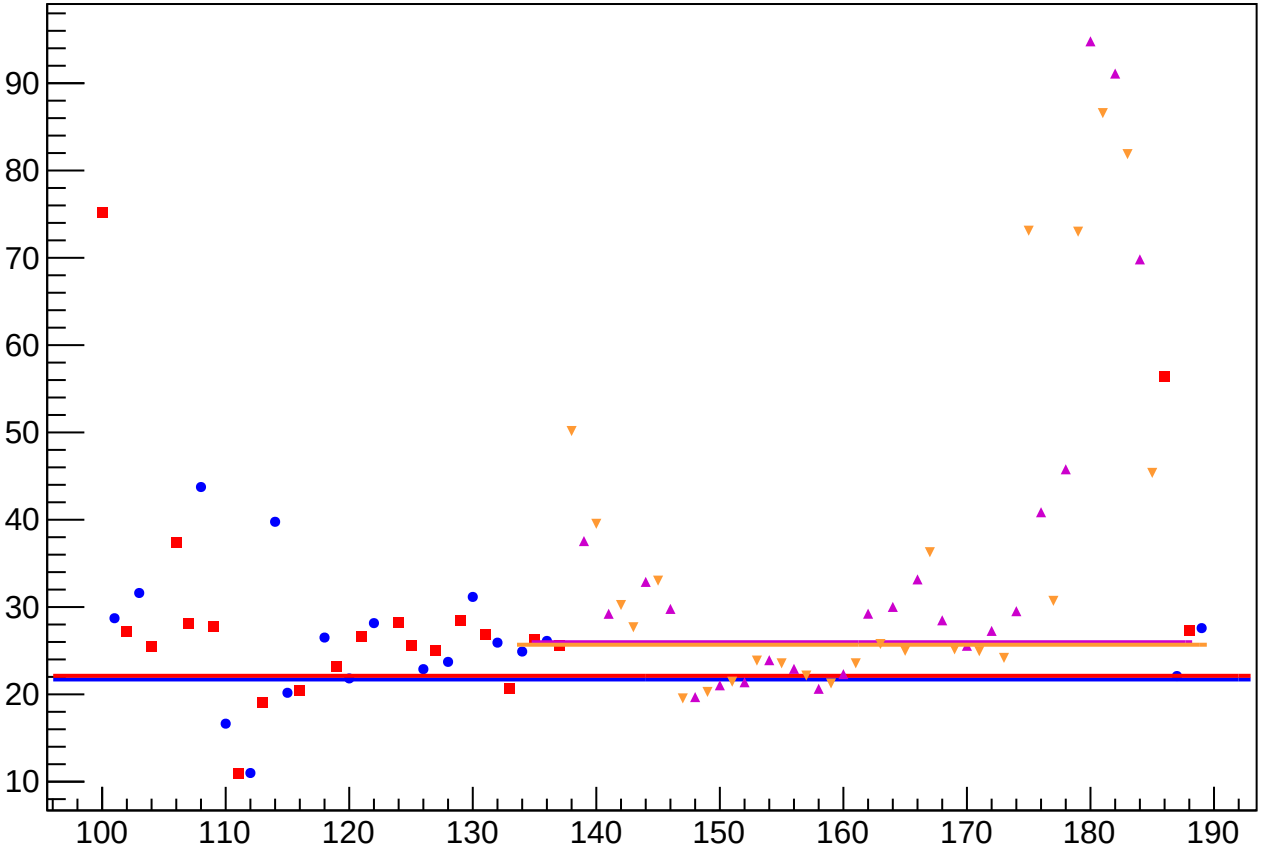
Right: 0.008+/-0.006 χ^2/NDF: 49.5/38

In: 0.011+/-0.005 χ^2/NDF:49.1/40

Out: -0.005+/-0.005 χ^2/NDF:49.6/45

All: 0.003+/-0.004 χ^2/NDF: 103.6/86

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.705+/-0.006 χ^2/NDF: 1582055.7/17

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 22.125+/-0.006 χ^2/NDF: 1661412.8/20

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

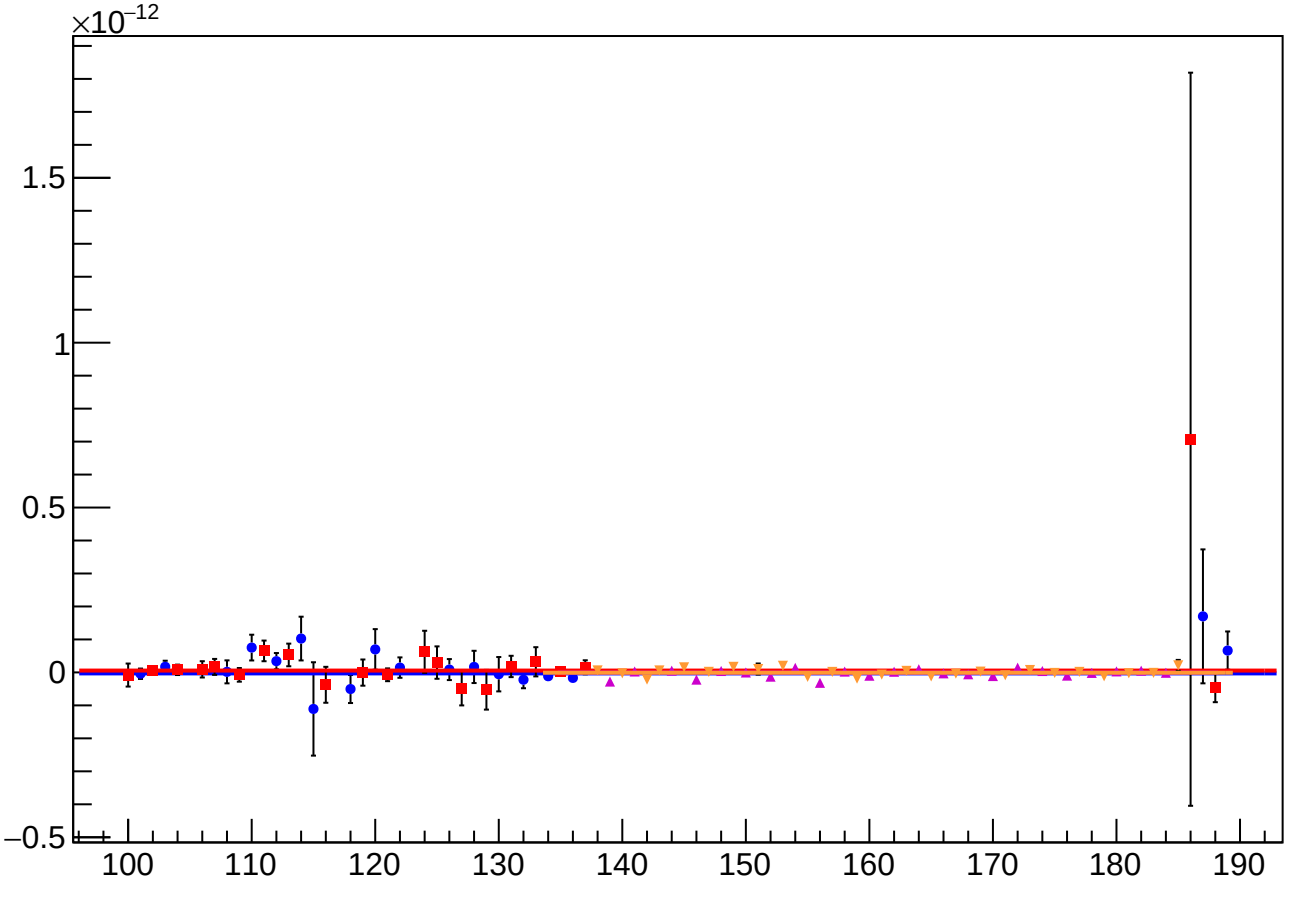
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 21.922+/-0.004 χ^2/NDF: 3246053.8/38

In: 24.335+/-0.004 χ^2/NDF:5018554.4/40

Out: 24.324+/-0.004 χ^2/NDF:5769947.7/45

All: 24.329+/-0.003 χ^2/NDF: 10788506.7/86



Right In: -0.000+/-0.000 χ^2/NDF: 19.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/20

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

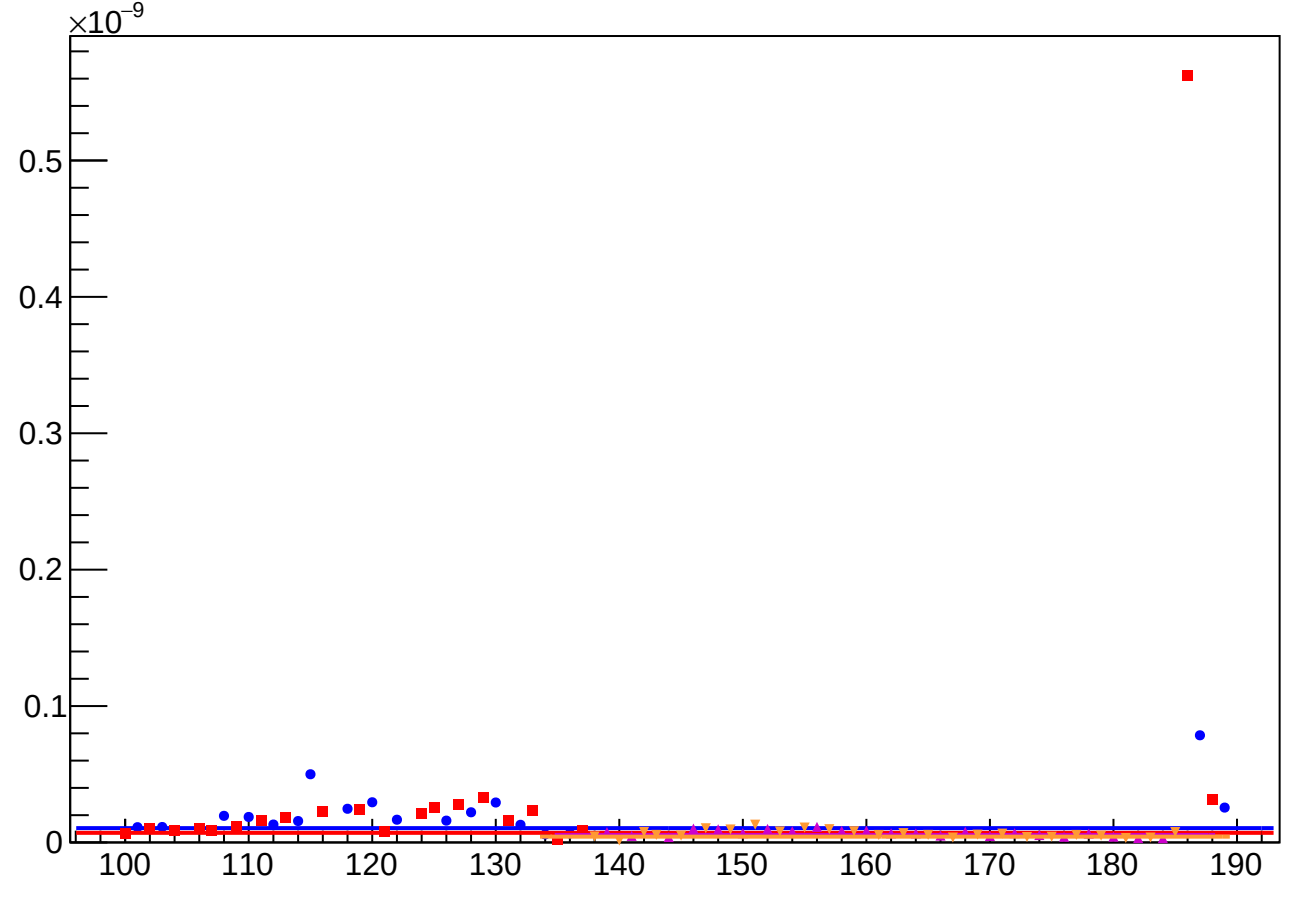
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 33.9/38

In: -0.000+/-0.000 χ^2/NDF:49.2/40

Out: -0.000+/-0.000 χ^2/NDF:43.9/45

All: -0.000+/-0.000 χ^2/NDF: 93.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 2313490.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5120023.5/20

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

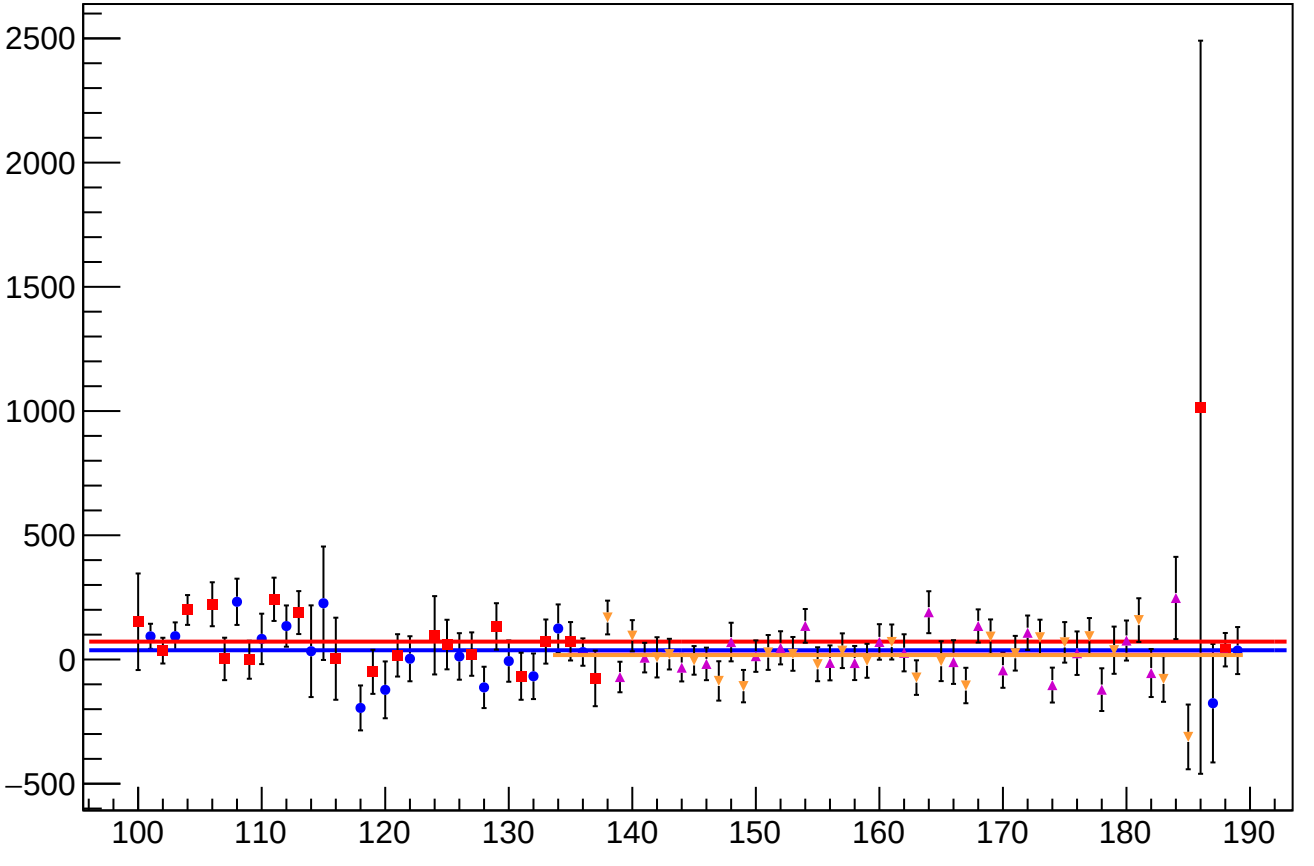
Right: 0.000+/-0.000 χ^2/NDF: 7923775.2/38

In: 0.000+/-0.000 χ^2/NDF:6682668.4/40

Out: 0.000+/-0.000 χ^2/NDF:11281786.0/45

All: 0.000+/-0.000 χ^2/NDF: 18828391.6/86

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.163+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.932+/-18.995 χ^2/NDF: 23.1/20

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

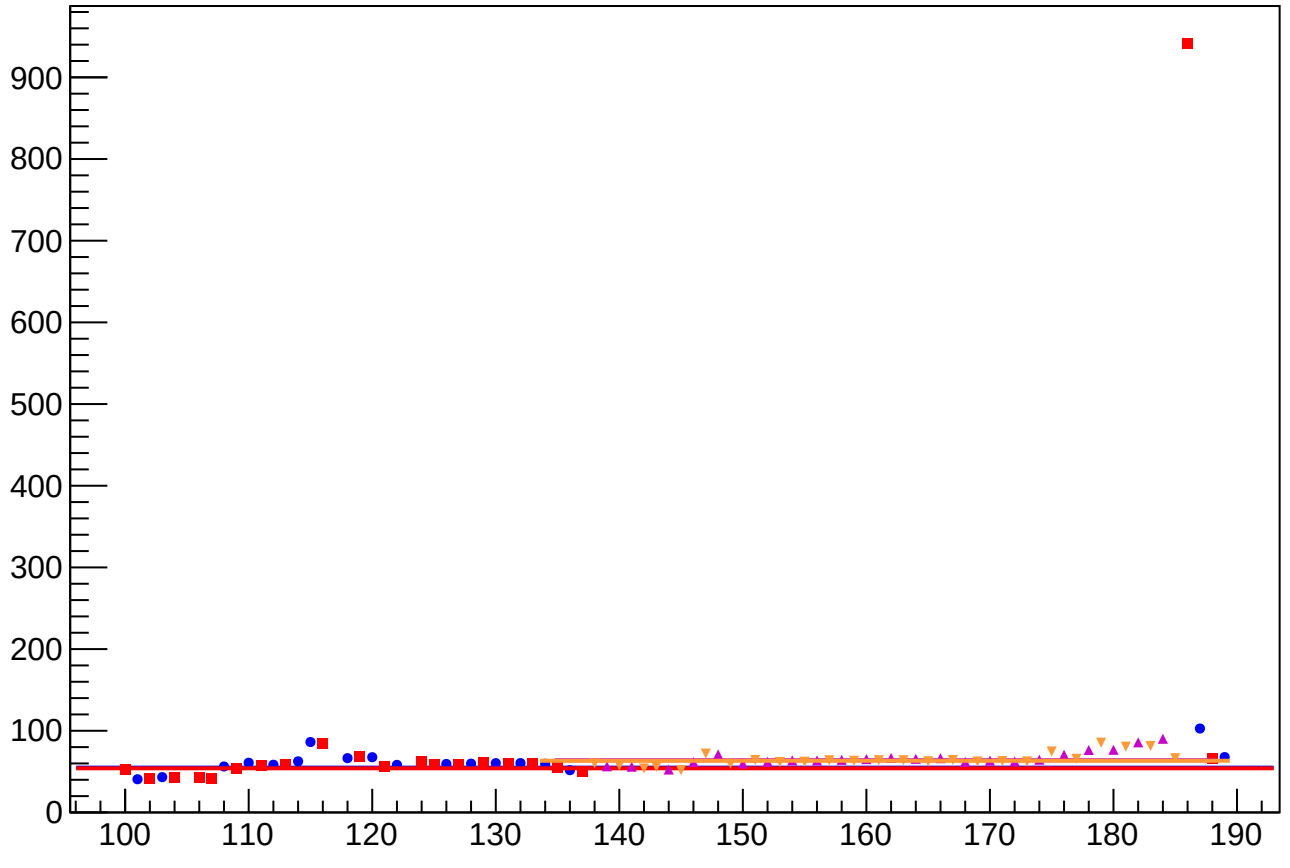
Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

Right: 55.342+/-13.735 χ^2/NDF: 48.8/38

In: 26.018+/-11.995 χ^2/NDF:50.8/40

Out: 37.721+/-11.523 χ^2/NDF:59.8/45

All: 32.105+/-8.310 χ^2/NDF: 111.1/86



Right In: 54.865+/-0.014 χ^2/NDF: 515662.1/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.047+/-0.013 χ^2/NDF: 1213869.3/20

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

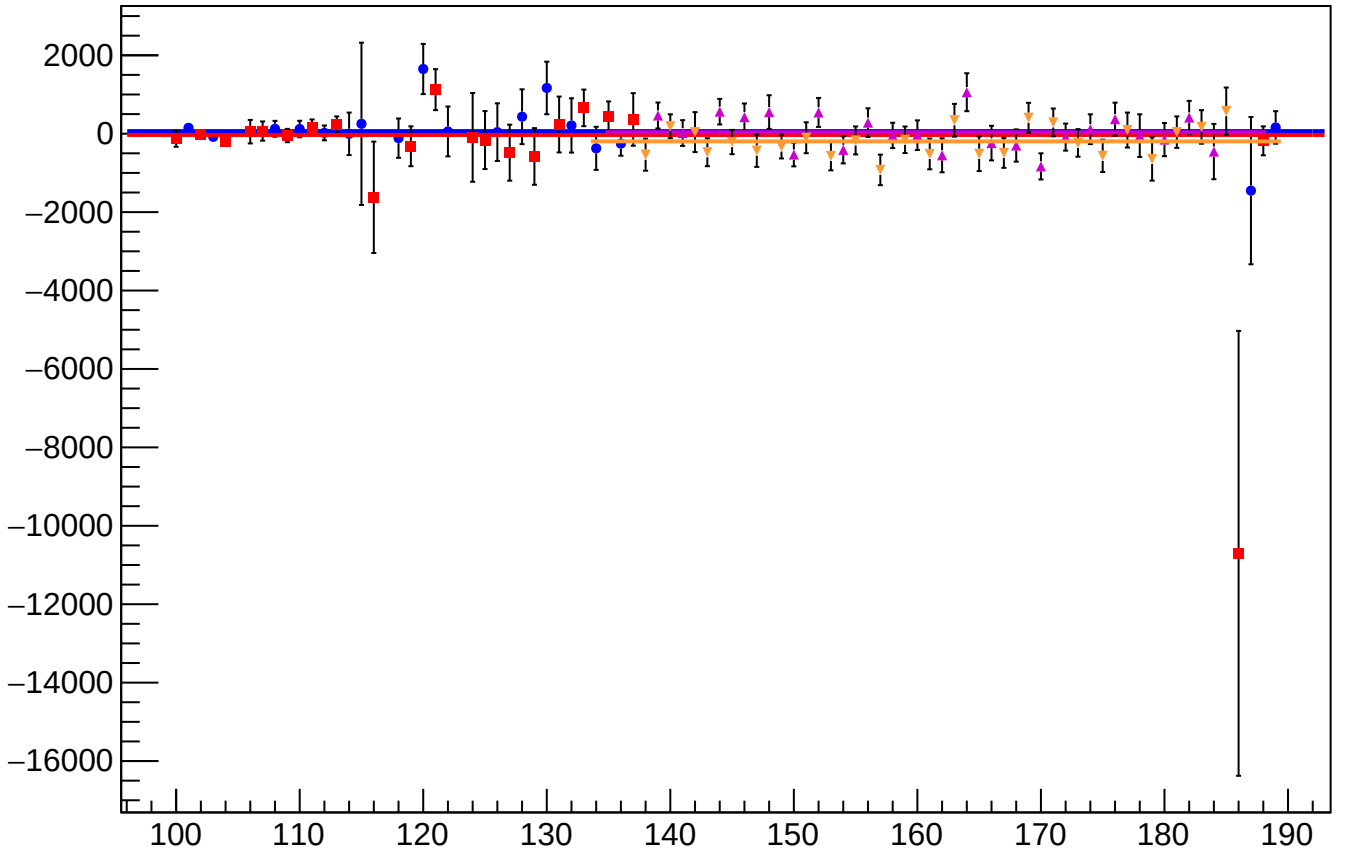
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 54.437+/-0.010 χ^2/NDF: 1731299.7/38

In: 60.624+/-0.008 χ^2/NDF:1224682.7/40

Out: 59.903+/-0.008 χ^2/NDF:2012014.9/45

All: 60.249+/-0.006 χ^2/NDF: 3240454.8/86



Right In: 66.100+/-46.175 χ^2/NDF: 16.4/17

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -31.489+/-49.828 χ^2/NDF: 21.7/20

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

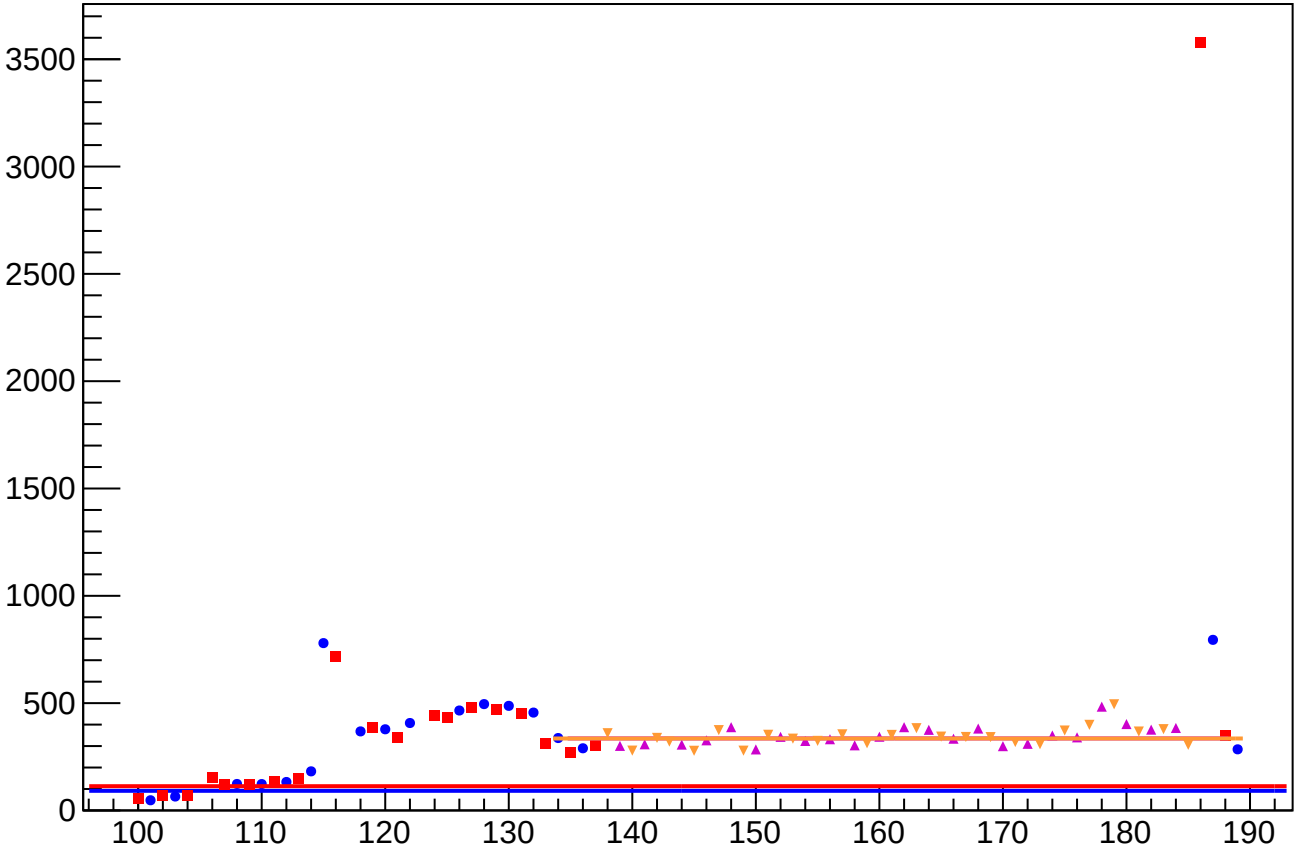
Right: 21.013+/-33.869 χ^2/NDF: 40.2/38

In: 58.571+/-39.892 χ^2/NDF:47.6/40

Out: -79.952+/-41.847 χ^2/NDF:45.5/45

All: -7.379+/-28.874 χ^2/NDF: 98.9/86

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 91.518+/-0.033 χ^2/NDF: 7370946.0/17

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 113.026+/-0.035 χ^2/NDF: 6936101.2/20

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

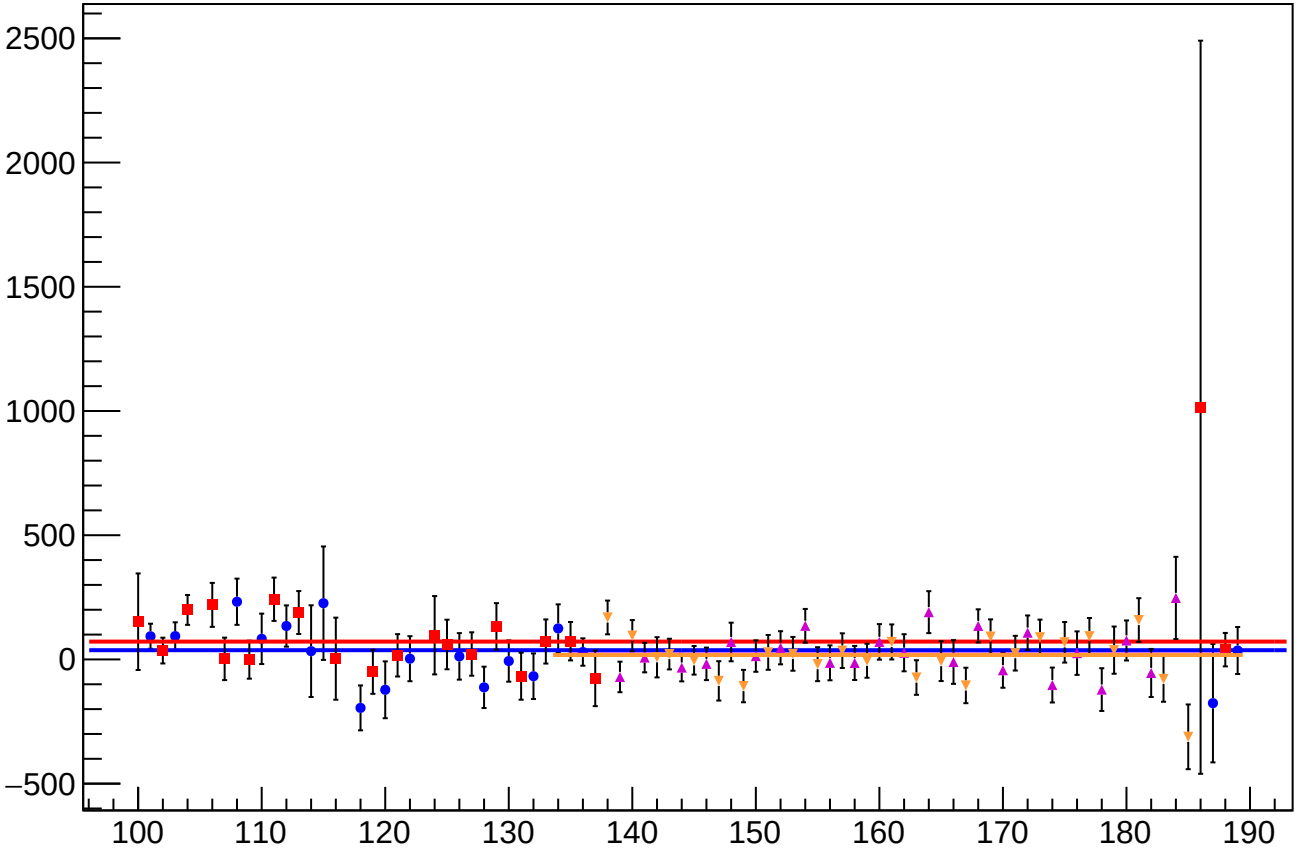
Right: 101.455+/-0.024 χ^2/NDF: 14507534.3/38

In: 153.407+/-0.028 χ^2/NDF:22031600.9/40

Out: 178.518+/-0.030 χ^2/NDF:19224638.0/45

All: 165.362+/-0.020 χ^2/NDF: 41633529.2/86

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.174+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.806+/-18.997 χ^2/NDF: 23.0/20

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

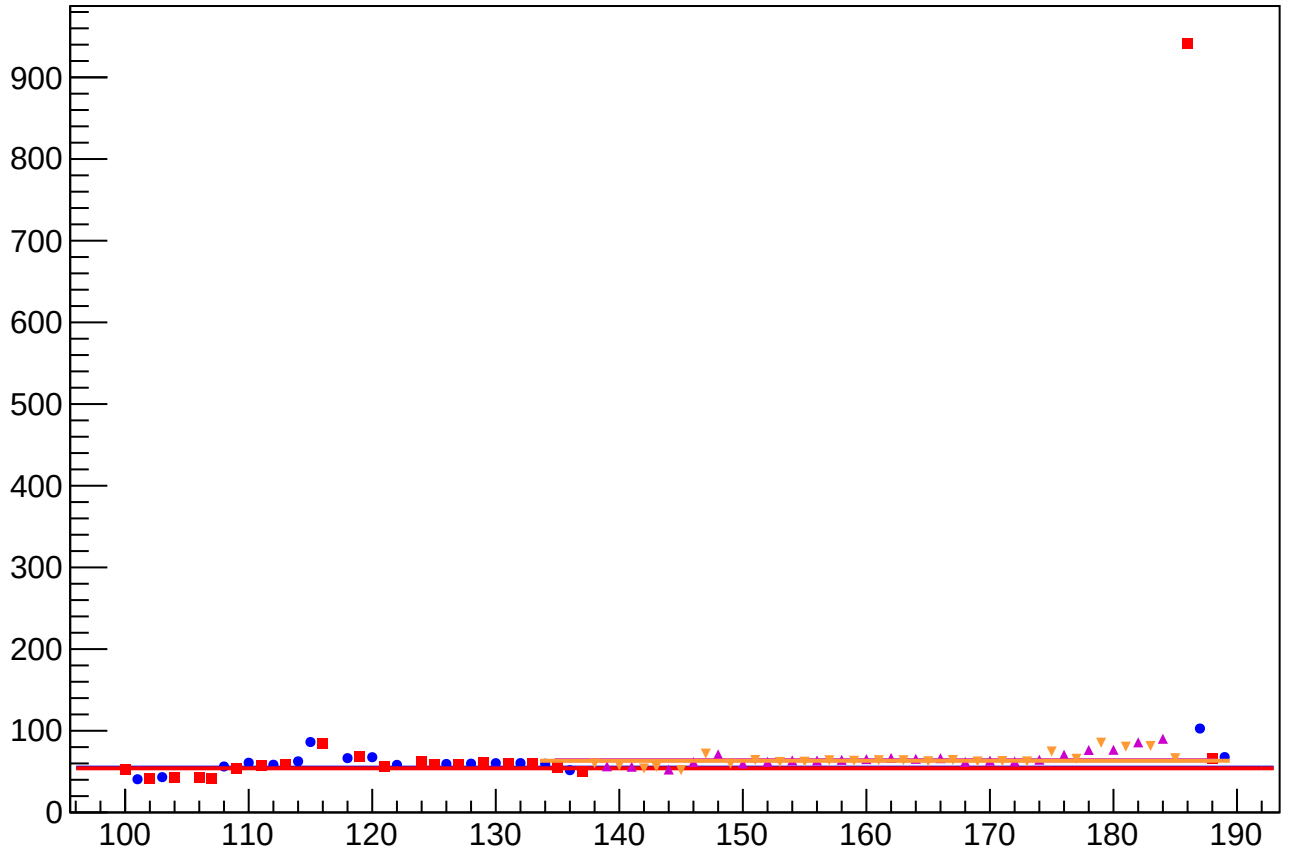
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 55.281+/-13.736 χ^2/NDF: 48.7/38

In: 26.022+/-11.995 χ^2/NDF:50.8/40

Out: 37.676+/-11.524 χ^2/NDF:59.7/45

All: 32.082+/-8.310 χ^2/NDF: 111.0/86



Right In: 54.865+/-0.014 χ^2/NDF: 515661.4/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.045+/-0.013 χ^2/NDF: 1214202.4/20

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

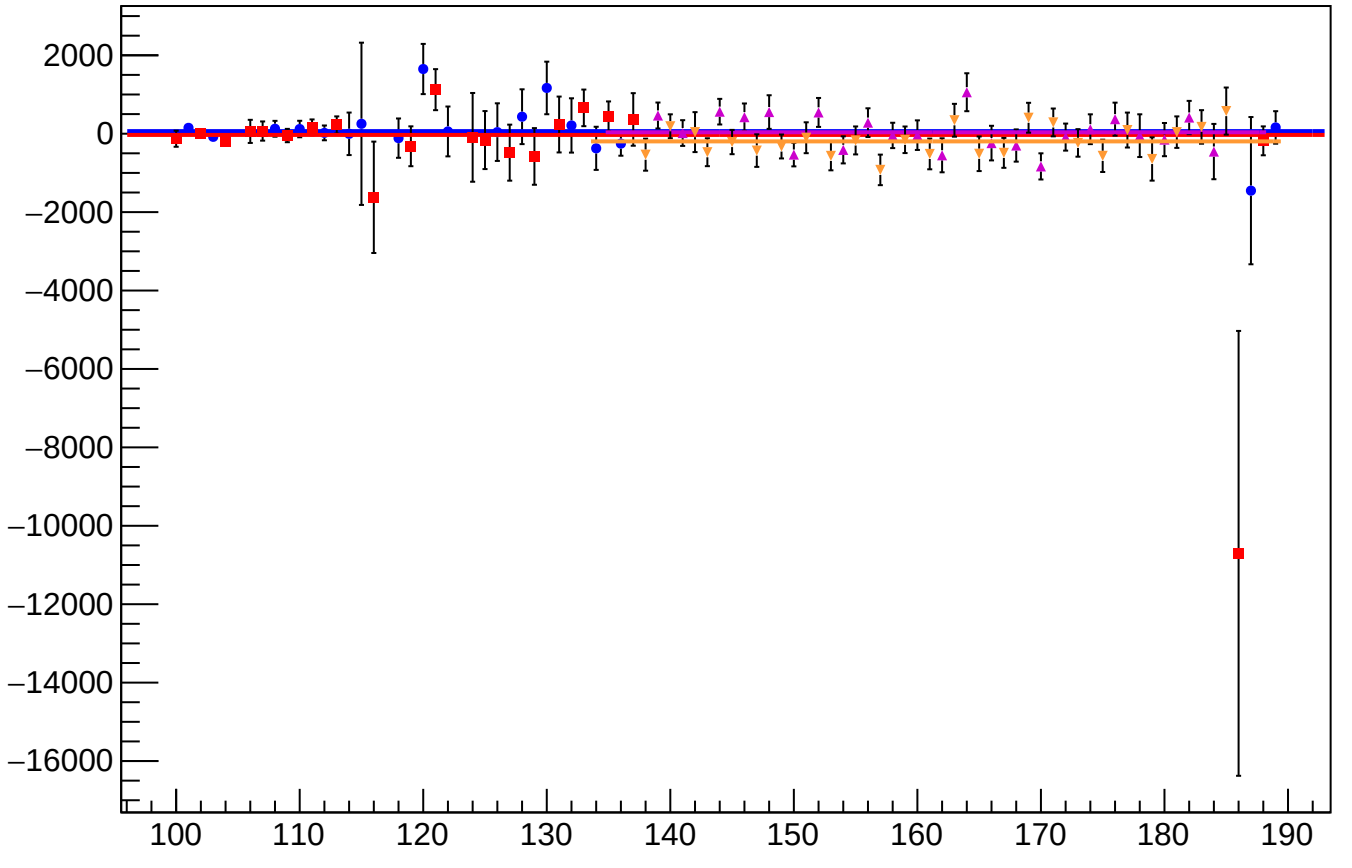
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 54.436+/-0.010 χ^2/NDF: 1731640.3/38

In: 60.624+/-0.008 χ^2/NDF:1224681.7/40

Out: 59.902+/-0.008 χ^2/NDF:2012447.7/45

All: 60.248+/-0.006 χ^2/NDF: 3240890.9/86



Right In: 66.104+/-46.174 χ^2/NDF: 16.4/17

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -31.047+/-49.786 χ^2/NDF: 21.7/20

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

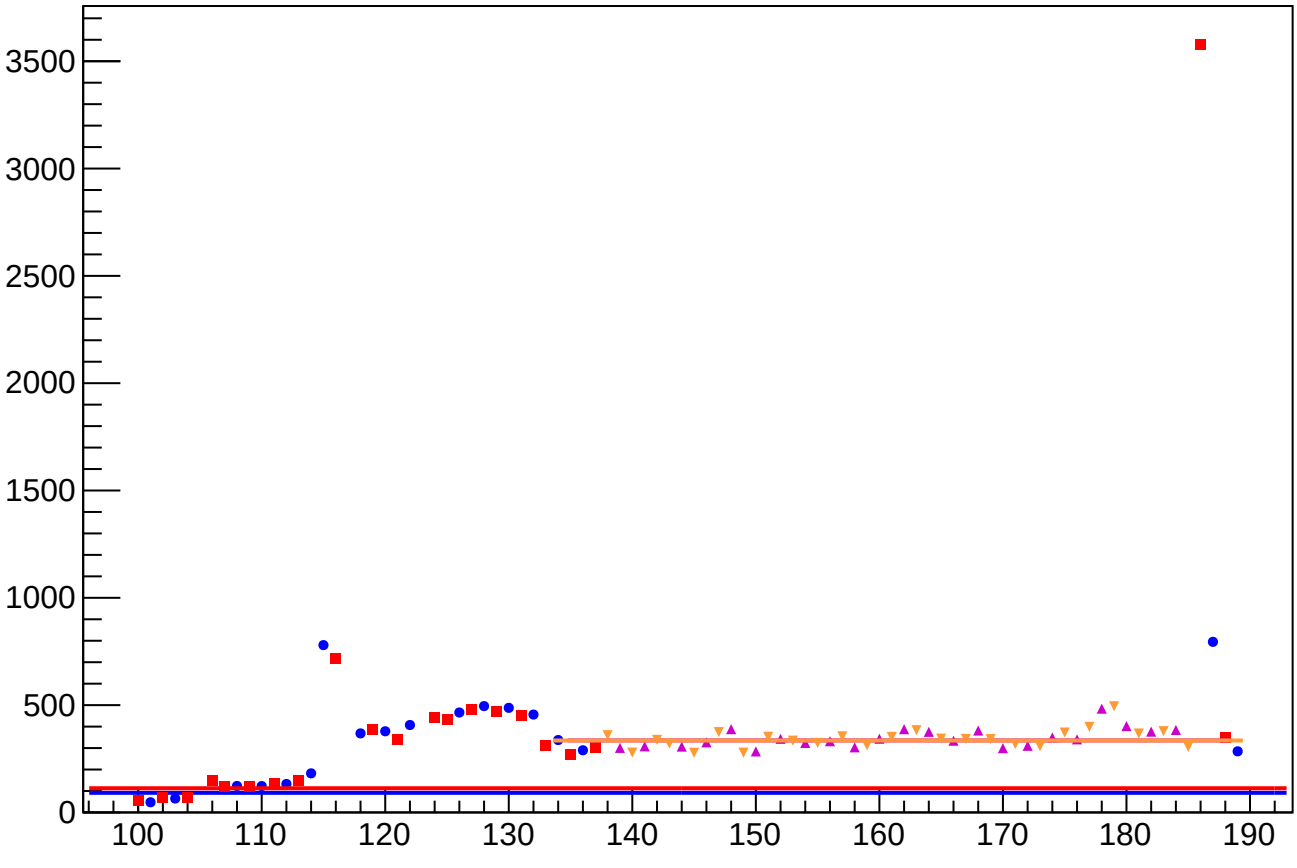
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 21.180+/-33.855 χ^2/NDF: 40.2/38

In: 58.574+/-39.891 χ^2/NDF:47.6/40

Out: -79.581+/-41.822 χ^2/NDF:45.6/45

All: -7.241+/-28.866 χ^2/NDF: 98.9/86



Right In: 91.515+/-0.033 χ^2/NDF: 7371039.4/17

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 112.843+/-0.035 χ^2/NDF: 6929463.4/20

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

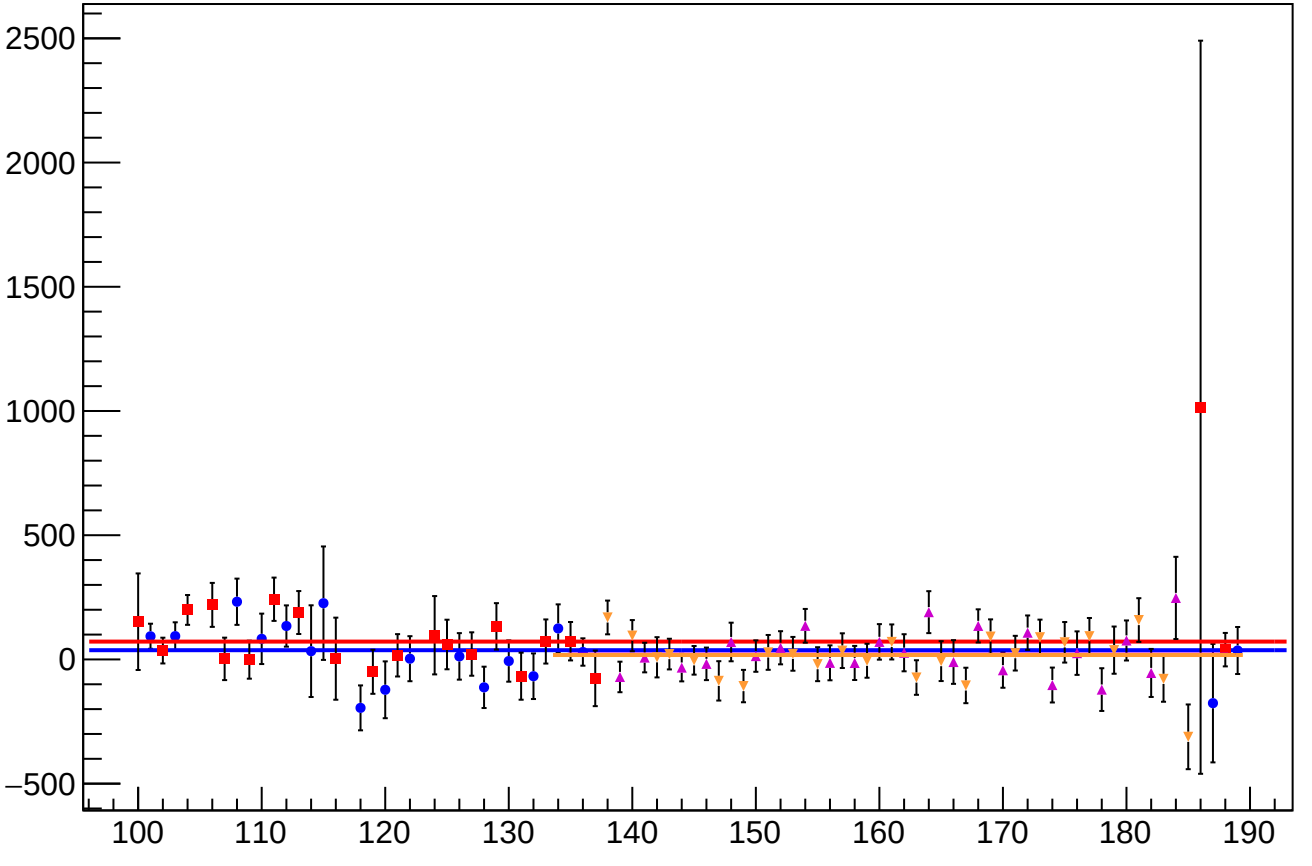
Right: 101.378+/-0.024 χ^2/NDF: 14497821.6/38

In: 153.403+/-0.028 χ^2/NDF:22032149.6/40

Out: 178.311+/-0.030 χ^2/NDF:19243104.7/45

All: 165.269+/-0.020 χ^2/NDF: 41646724.7/86

eigen_cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.174+/-19.885 χ^2/NDF: 24.1/17

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.806+/-18.997 χ^2/NDF: 23.0/20

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

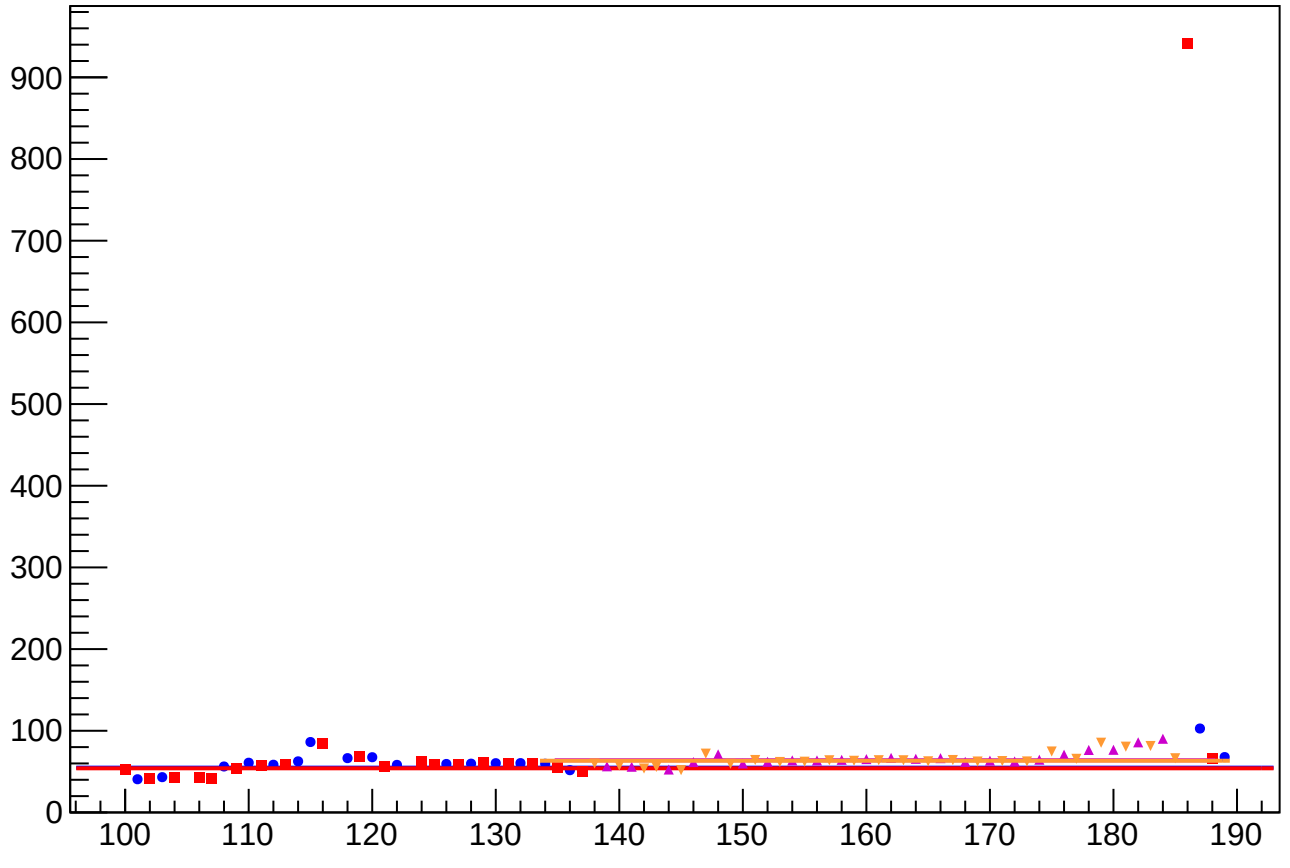
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 55.281+/-13.736 χ^2/NDF: 48.7/38

In: 26.022+/-11.995 χ^2/NDF:50.8/40

Out: 37.676+/-11.524 χ^2/NDF:59.7/45

All: 32.082+/-8.310 χ^2/NDF: 111.0/86



Right In: 54.865+/-0.014 χ^2/NDF: 515661.4/17

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.045+/-0.013 χ^2/NDF: 1214202.4/20

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

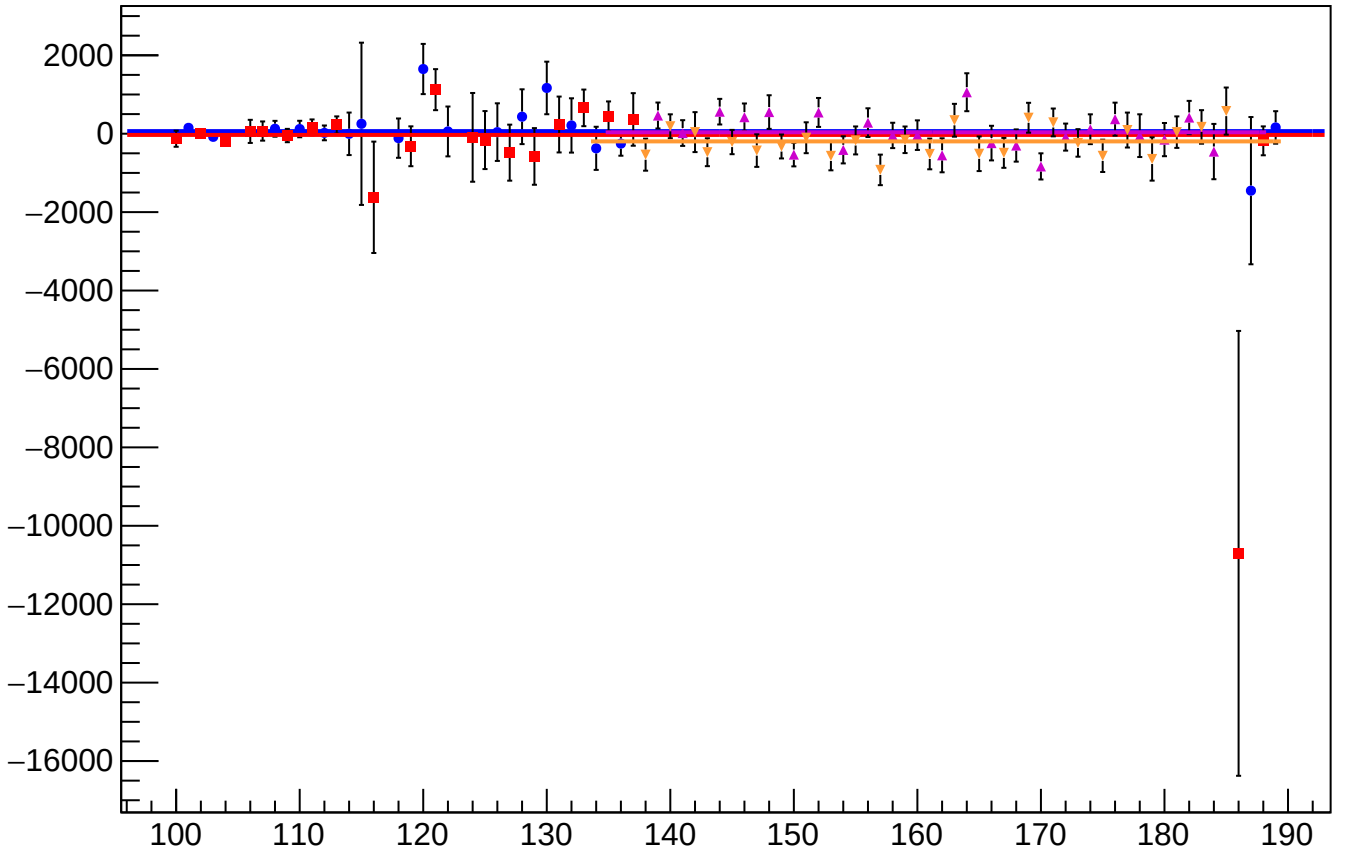
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 54.436+/-0.010 χ^2/NDF: 1731640.3/38

In: 60.624+/-0.008 χ^2/NDF:1224681.7/40

Out: 59.902+/-0.008 χ^2/NDF:2012447.7/45

All: 60.248+/-0.006 χ^2/NDF: 3240890.9/86



Right In: 66.104+/-46.174 χ^2/NDF: 16.4/17

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -31.047+/-49.786 χ^2/NDF: 21.7/20

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

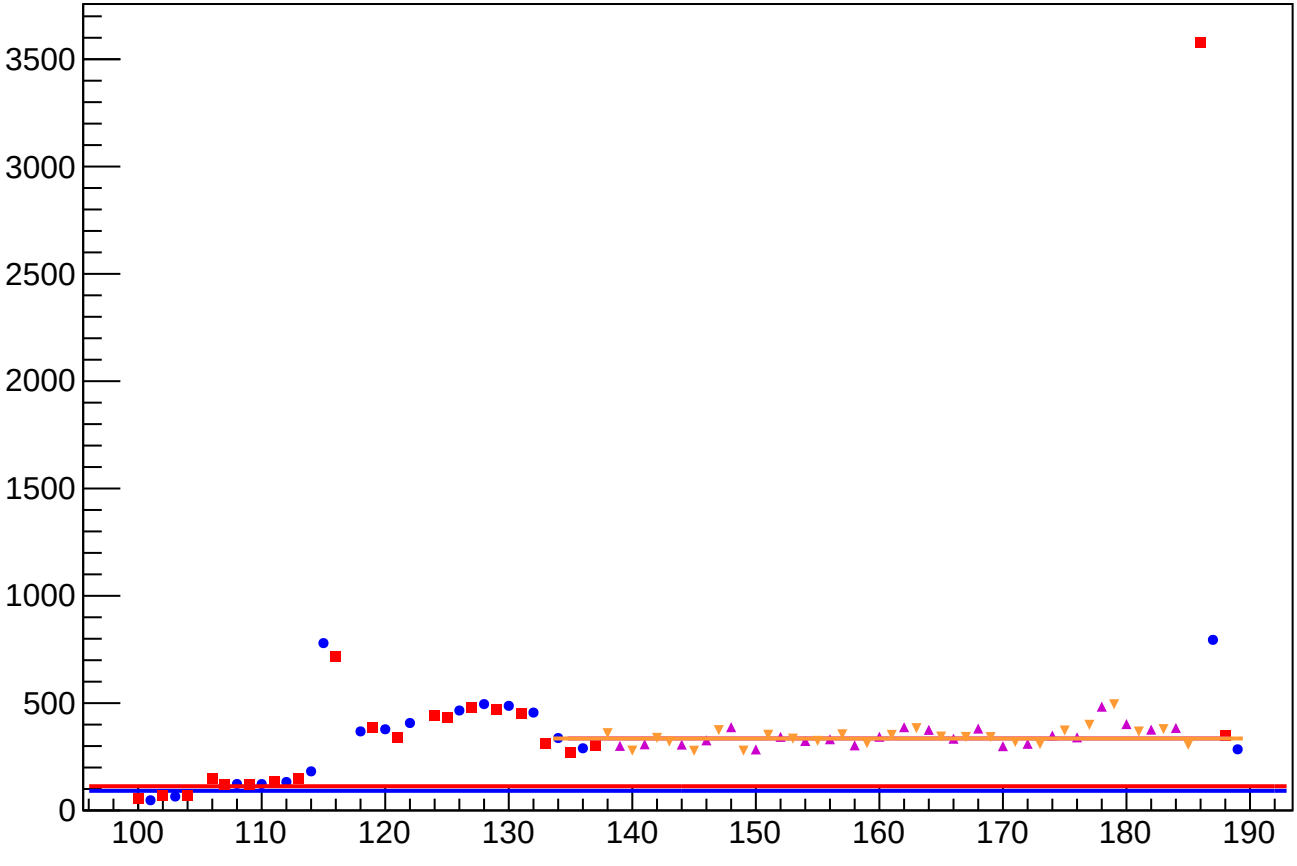
Right: 21.180+/-33.855 χ^2/NDF: 40.2/38

In: 58.574+/-39.891 χ^2/NDF:47.6/40

Out: -79.581+/-41.822 χ^2/NDF:45.6/45

All: -7.241+/-28.866 χ^2/NDF: 98.9/86

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 91.515+/-0.033 χ^2/NDF: 7371039.4/17

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 112.843+/-0.035 χ^2/NDF: 6929463.4/20

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

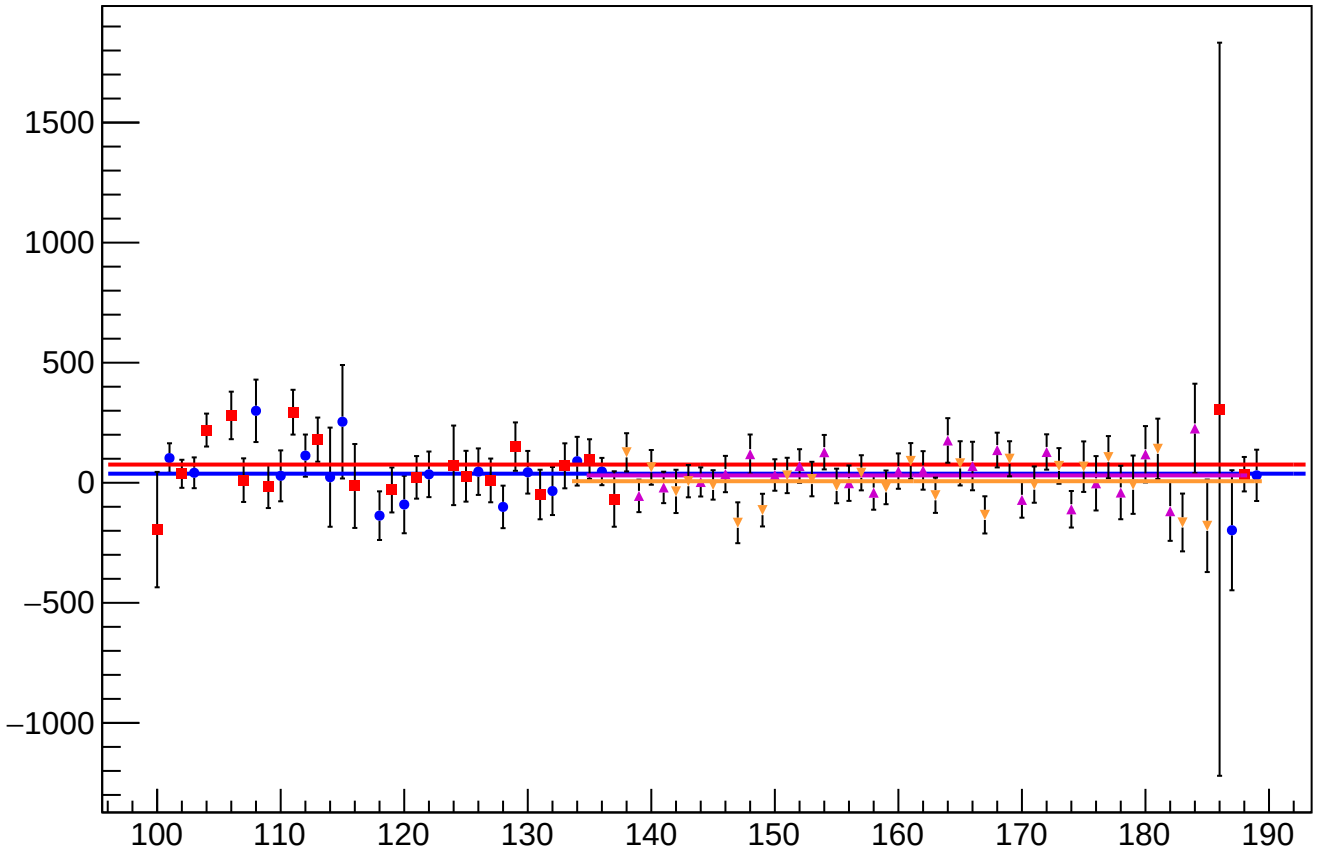
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 101.378+/-0.024 χ^2/NDF: 14497821.6/38

In: 153.403+/-0.028 χ^2/NDF:22032149.6/40

Out: 178.311+/-0.030 χ^2/NDF:19243104.7/45

All: 165.269+/-0.020 χ^2/NDF: 41646724.7/86



Right In: 37.812+/-21.946 χ^2/NDF: 15.0/17

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 75.798+/-20.661 χ^2/NDF: 25.2/20

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

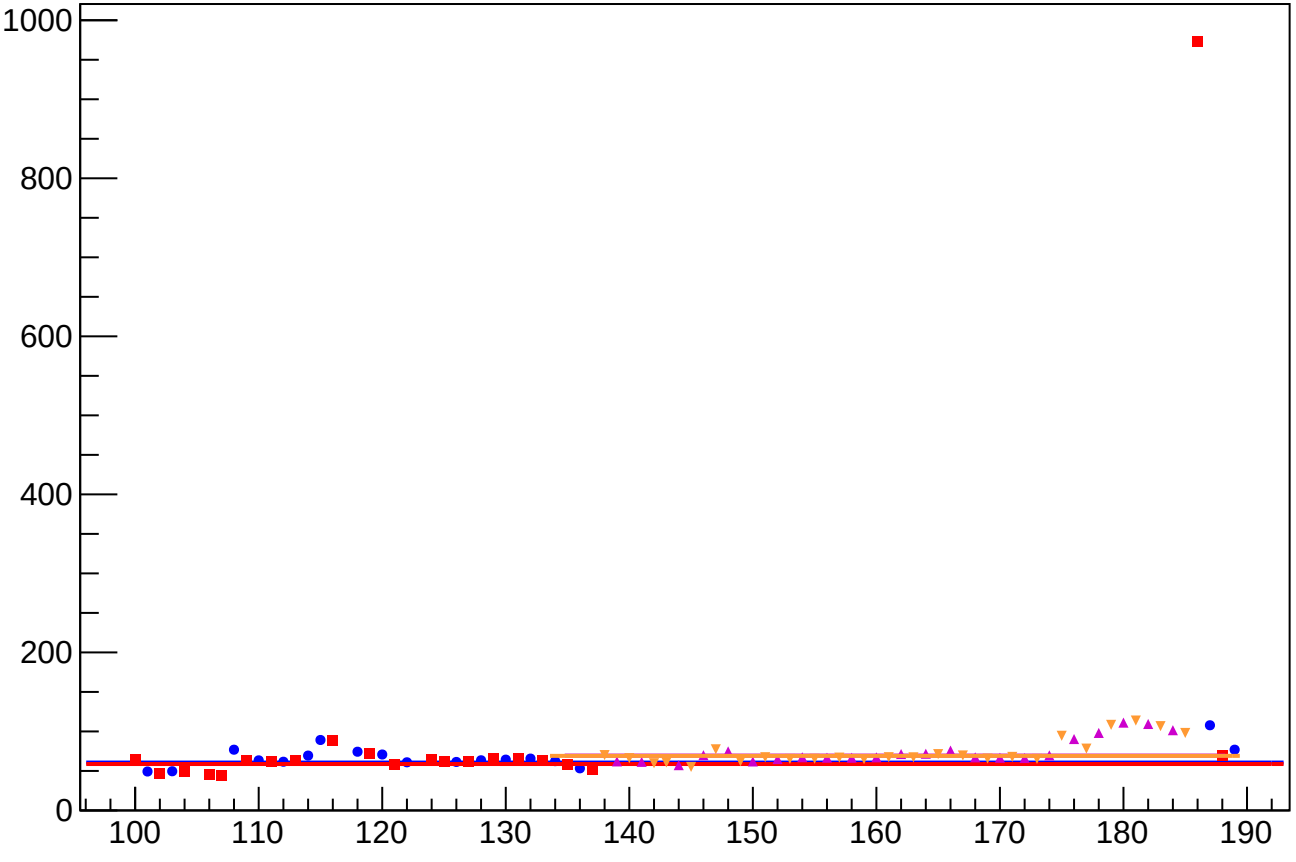
Right: 57.950+/-15.043 χ^2/NDF: 41.8/38

In: 33.245+/-13.190 χ^2/NDF:37.6/40

Out: 32.414+/-12.639 χ^2/NDF:57.3/45

All: 32.812+/-9.126 χ^2/NDF: 94.8/86

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 60.615+/-0.016 χ^2/NDF: 405764.8/17

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 58.754+/-0.015 χ^2/NDF: 1118774.6/20

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

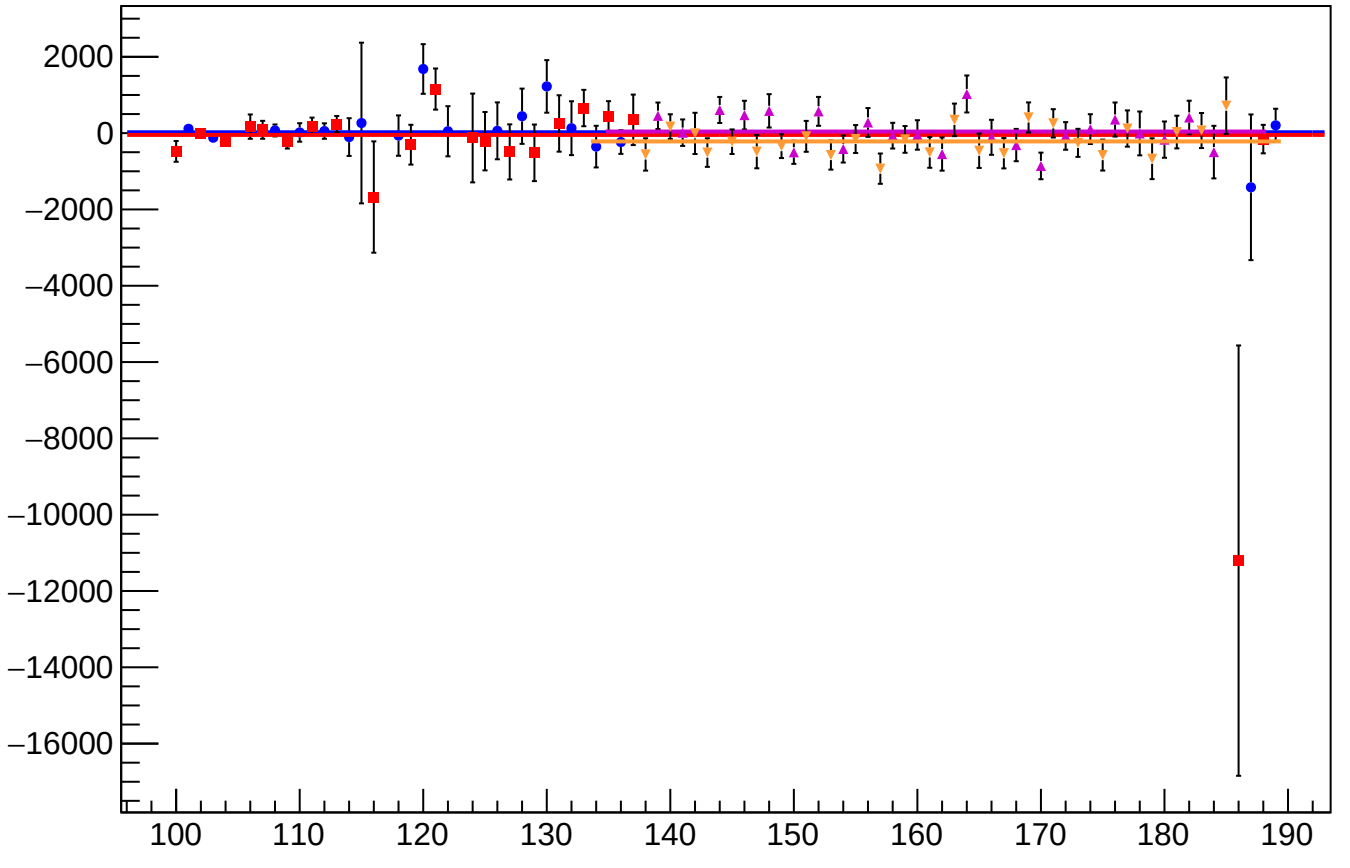
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 59.629+/-0.011 χ^2/NDF: 1532158.9/38

In: 66.250+/-0.009 χ^2/NDF:1536797.0/40

Out: 65.215+/-0.009 χ^2/NDF:2505282.3/45

All: 65.710+/-0.006 χ^2/NDF: 4048496.5/86



Right In: 22.474+/-53.162 χ^2/NDF: 15.4/17

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -46.479+/-52.675 χ^2/NDF: 25.5/20

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

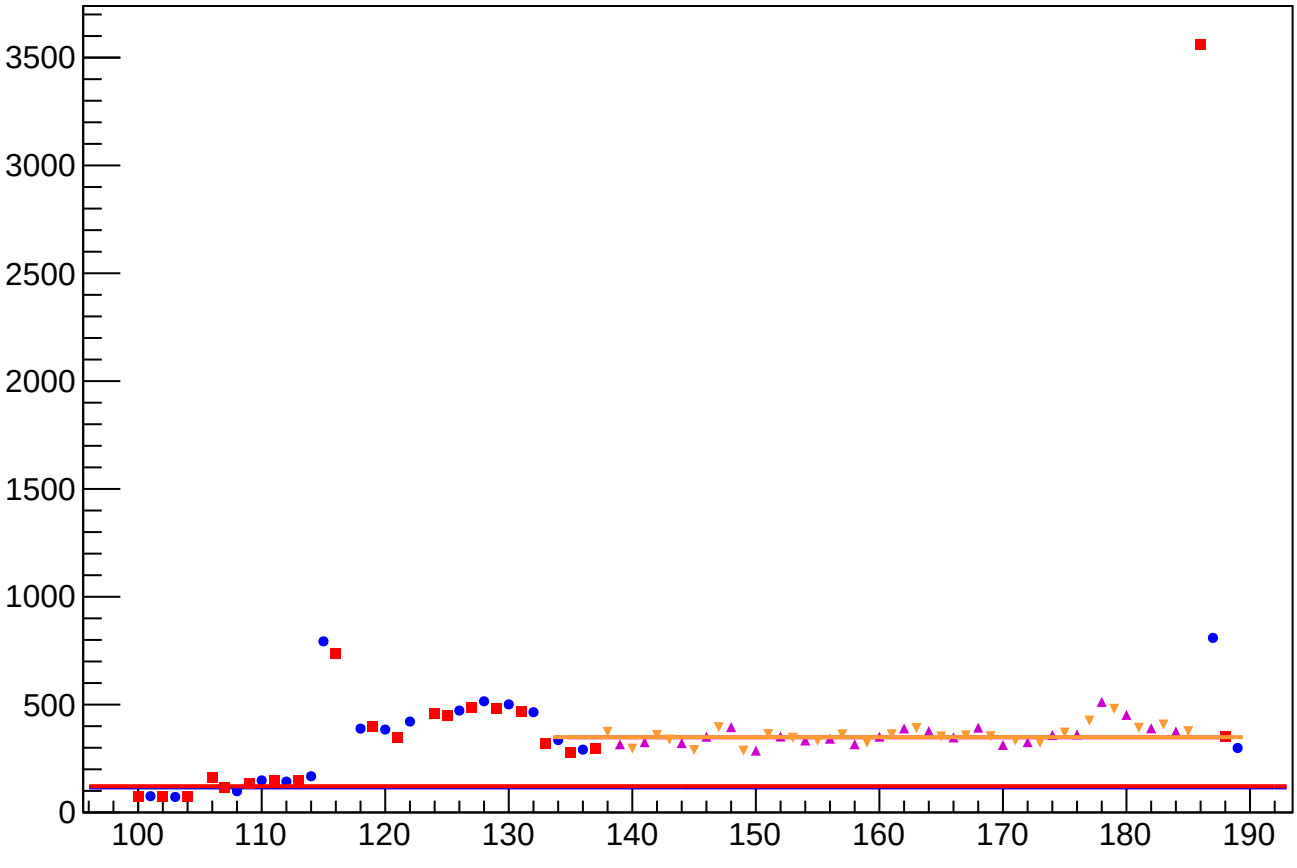
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -12.319+/-37.418 χ^2/NDF: 41.7/38

In: 28.083+/-44.649 χ^2/NDF:45.4/40

Out: -98.035+/-44.017 χ^2/NDF:48.0/45

All: -35.874+/-31.346 χ^2/NDF: 97.4/86



Right In: 115.995+/-0.038 χ^2/NDF: 6225388.7/17

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 121.737+/-0.037 χ^2/NDF: 6670086.7/20

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

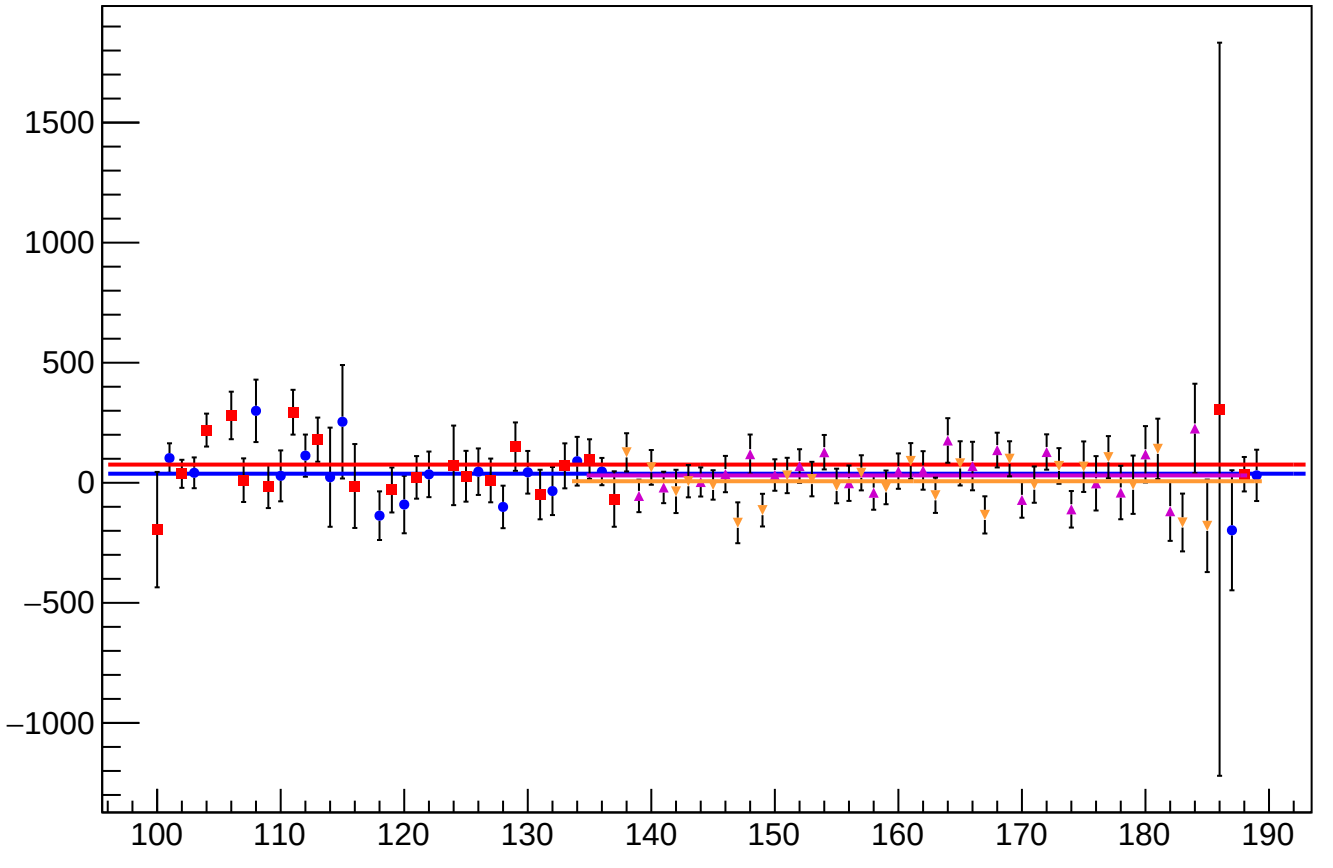
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 118.892+/-0.026 χ^2/NDF: 12907248.0/38

In: 184.516+/-0.032 χ^2/NDF:18028218.9/40

Out: 190.362+/-0.031 χ^2/NDF:18444402.5/45

All: 187.481+/-0.022 χ^2/NDF: 36490009.3/86



Right In: 37.812+/-21.946 χ^2/NDF: 15.0/17

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 75.798+/-20.661 χ^2/NDF: 25.2/20

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

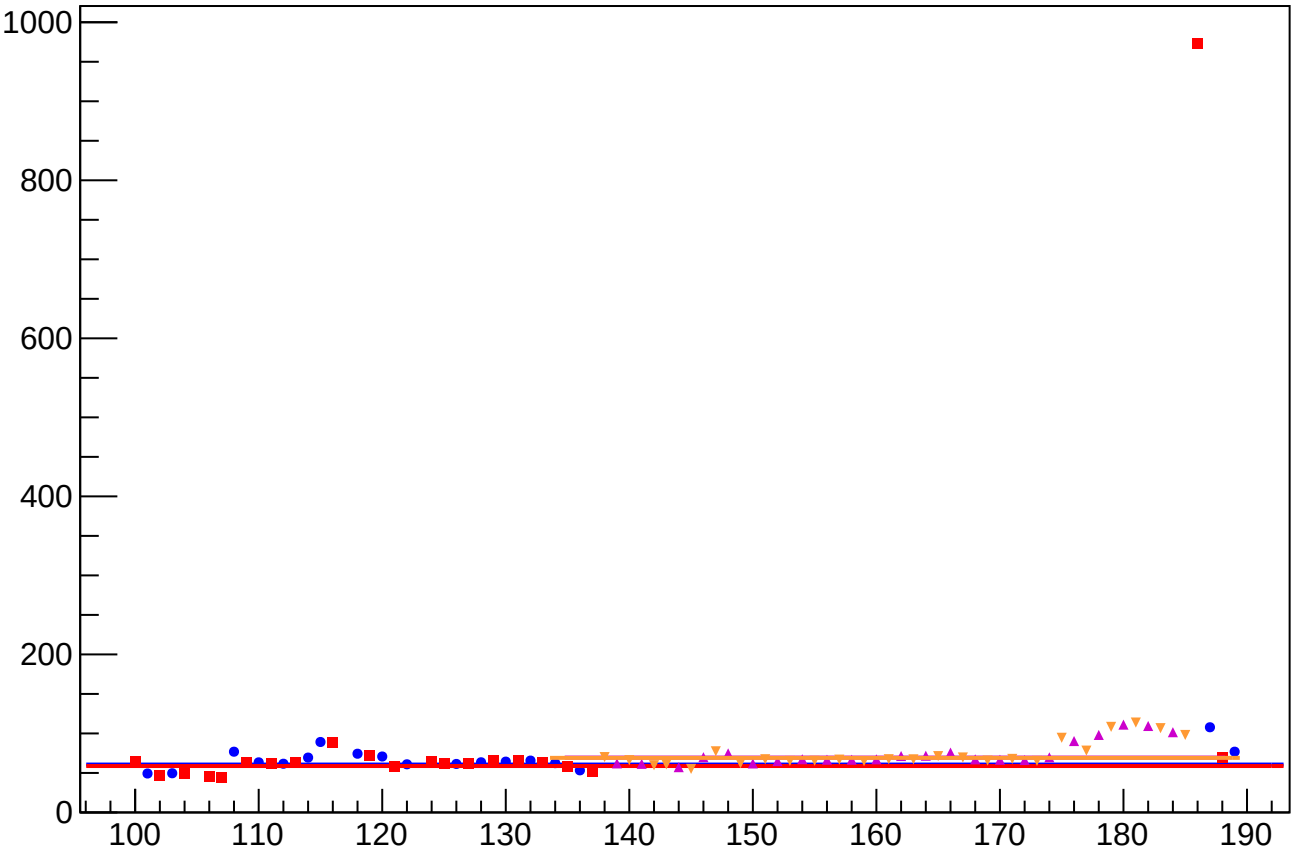
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 57.949+/-15.043 χ^2/NDF: 41.8/38

In: 33.245+/-13.190 χ^2/NDF:37.6/40

Out: 32.414+/-12.639 χ^2/NDF:57.3/45

All: 32.812+/-9.126 χ^2/NDF: 94.8/86



Right In: 60.615+/-0.016 χ^2/NDF: 405766.9/17

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 58.754+/-0.015 χ^2/NDF: 1118771.5/20

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

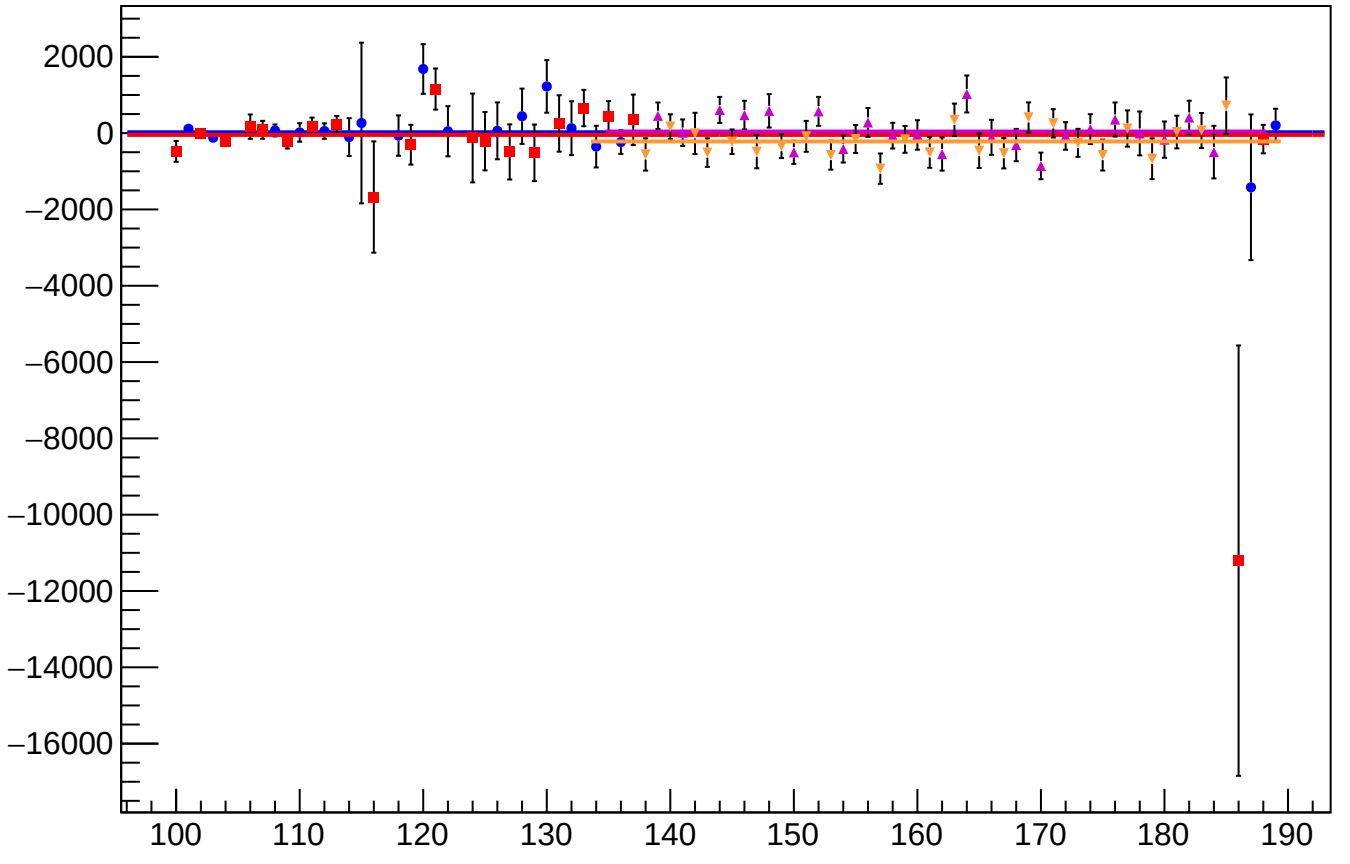
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 59.628+/-0.011 χ^2/NDF: 1532157.9/38

In: 66.250+/-0.009 χ^2/NDF:1536793.3/40

Out: 65.215+/-0.009 χ^2/NDF:2505270.9/45

All: 65.710+/-0.006 χ^2/NDF: 4048481.9/86



Right In: 22.473+/-53.162 χ^2/NDF: 15.4/17

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -46.478+/-52.675 χ^2/NDF: 25.5/20

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

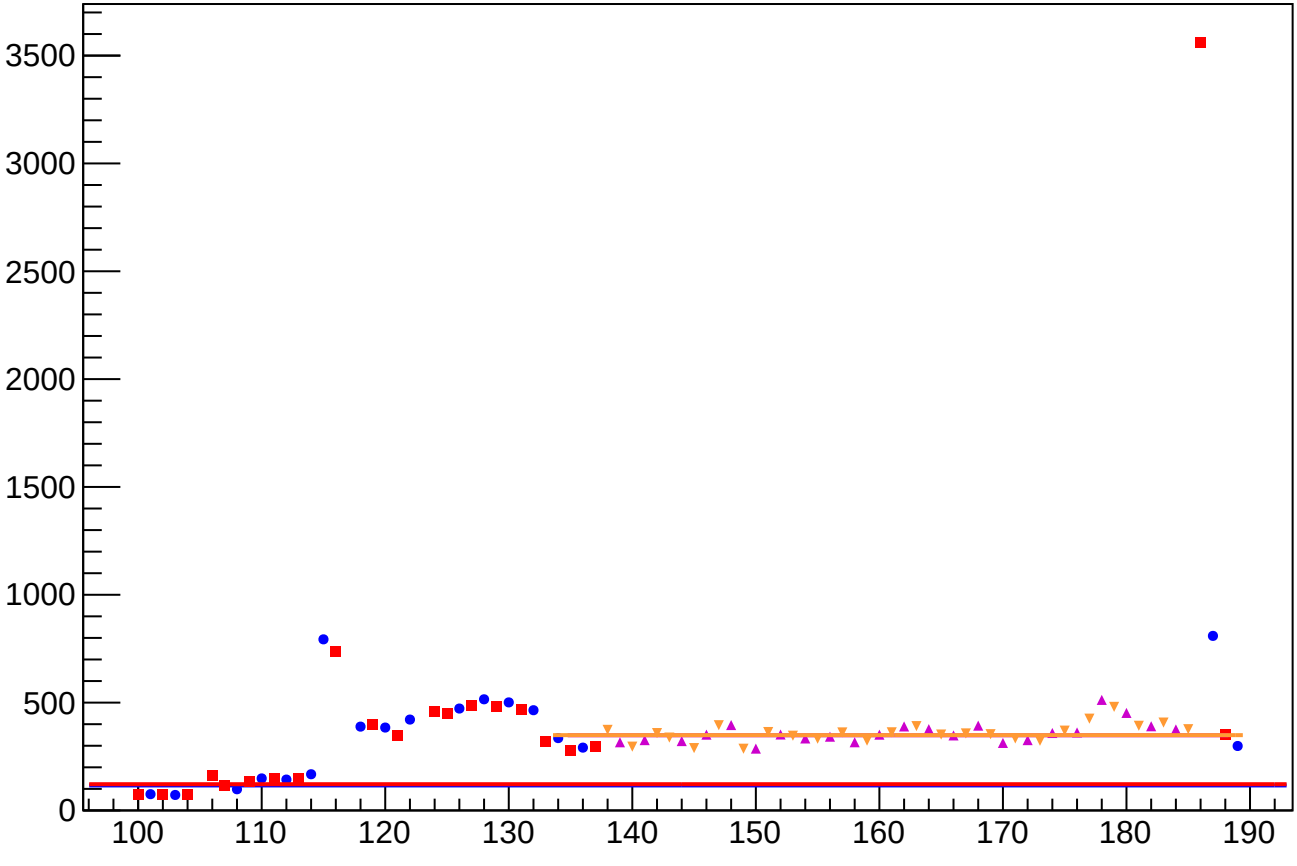
Right: -12.319+/-37.418 χ^2/NDF: 41.7/38

In: 28.083+/-44.649 χ^2/NDF:45.4/40

Out: -98.034+/-44.017 χ^2/NDF:48.0/45

All: -35.874+/-31.346 χ^2/NDF: 97.4/86

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 115.995+/-0.038 χ^2/NDF: 6225390.9/17

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 121.737+/-0.037 χ^2/NDF: 6670097.0/20

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

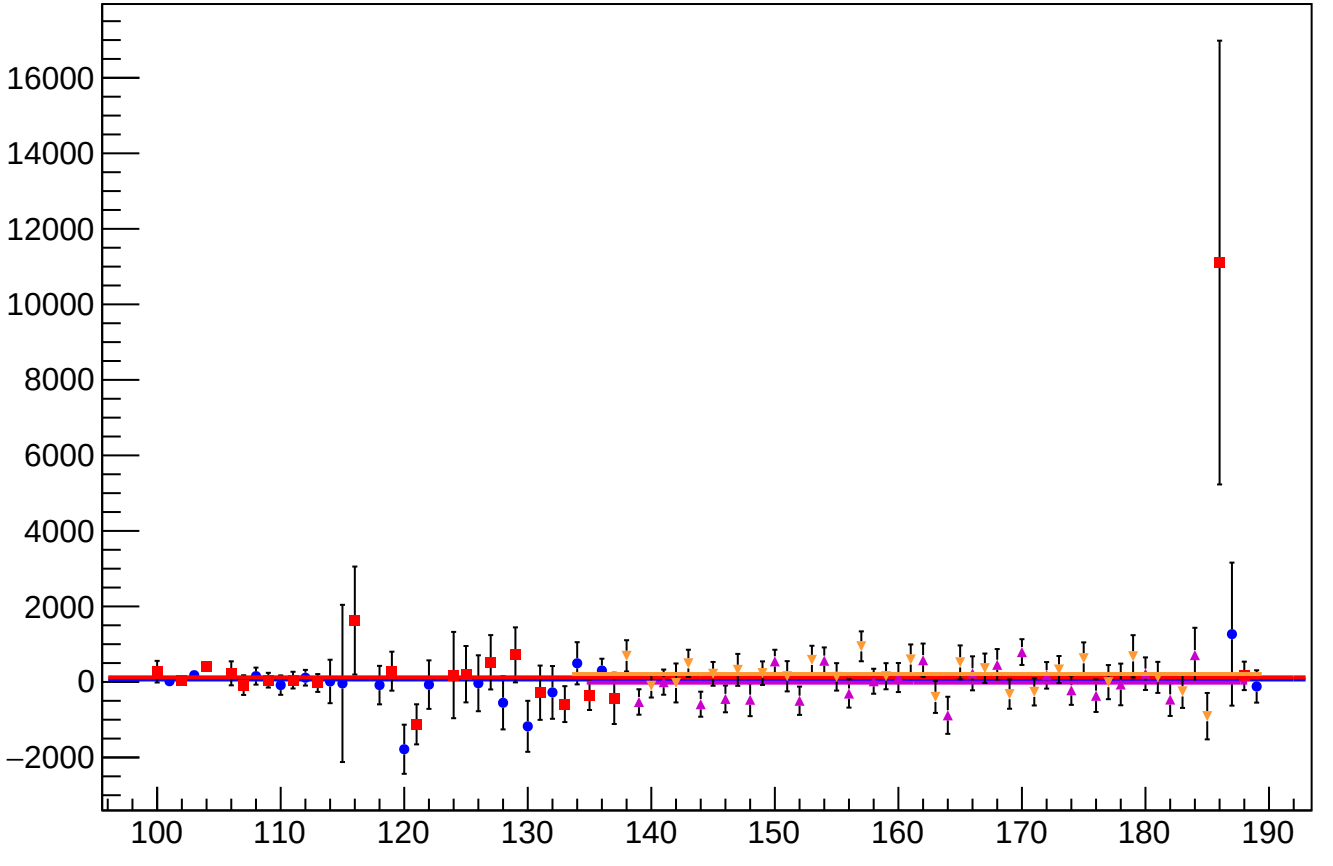
Right: 118.892+/-0.026 χ^2/NDF: 12907260.0/38

In: 184.516+/-0.032 χ^2/NDF:18028282.2/40

Out: 190.361+/-0.031 χ^2/NDF:18444488.9/45

All: 187.480+/-0.022 χ^2/NDF: 36490158.2/86

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 65.268+/-58.584 χ^2/NDF: 16.4/17

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 121.630+/-57.265 χ^2/NDF: 24.6/20

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

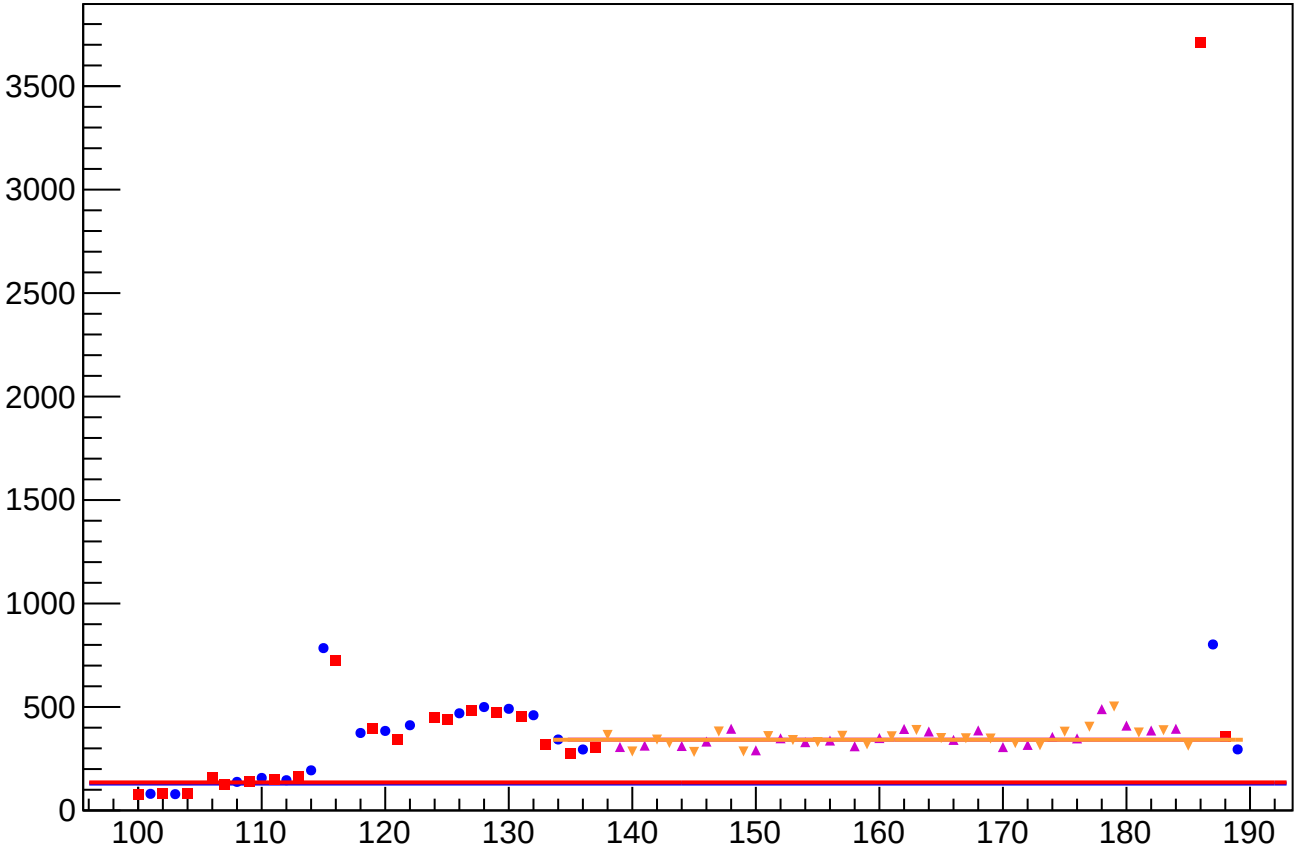
Right: 94.091+/-40.951 χ^2/NDF: 41.5/38

In: 36.275+/-47.409 χ^2/NDF:49.1/40

Out: 152.255+/-46.266 χ^2/NDF:46.9/45

All: 95.680+/-33.112 χ^2/NDF: 99.0/86

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.958+/-0.041 χ^2/NDF: 5777063.8/17

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 135.482+/-0.040 χ^2/NDF: 6092313.1/20

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

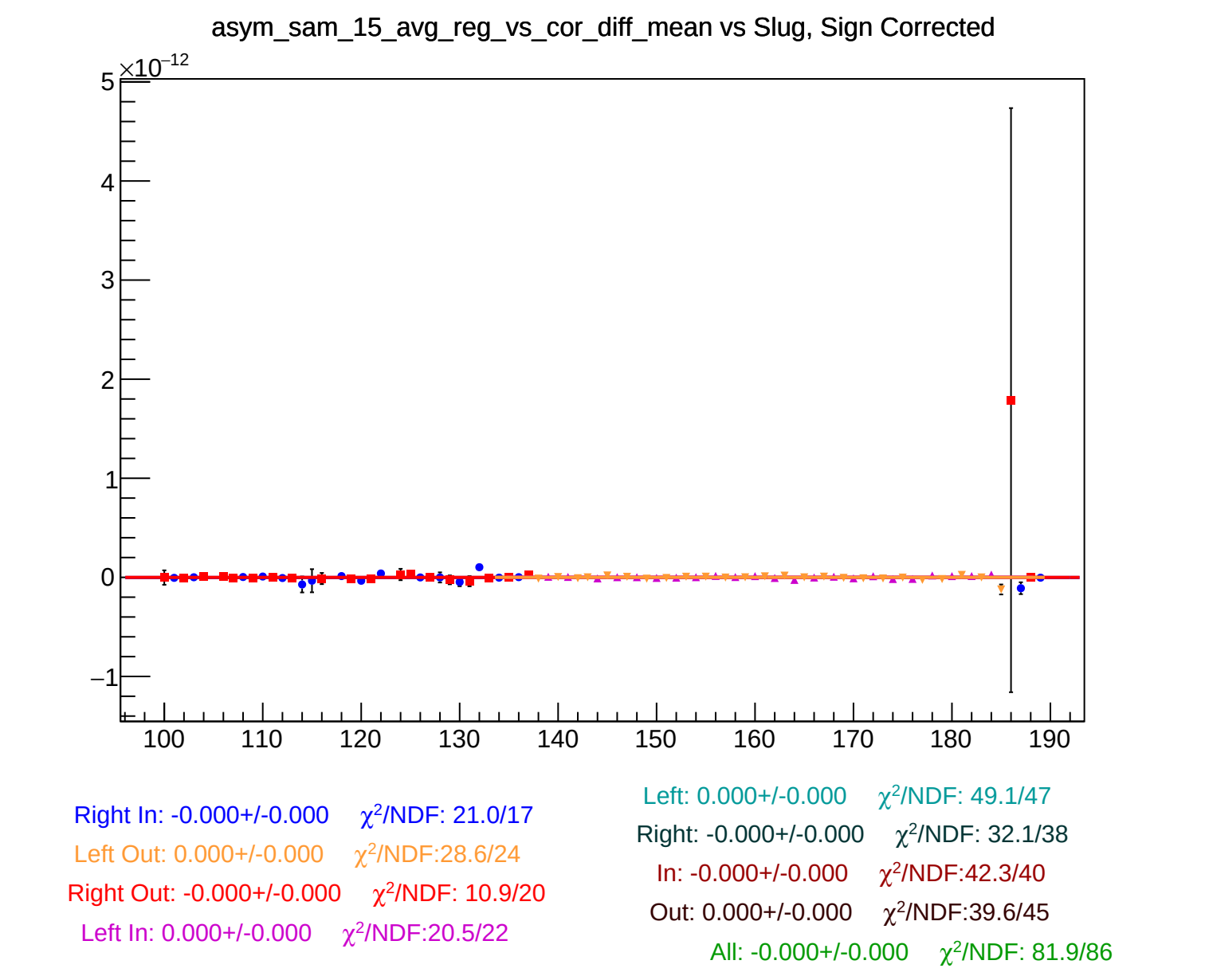
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

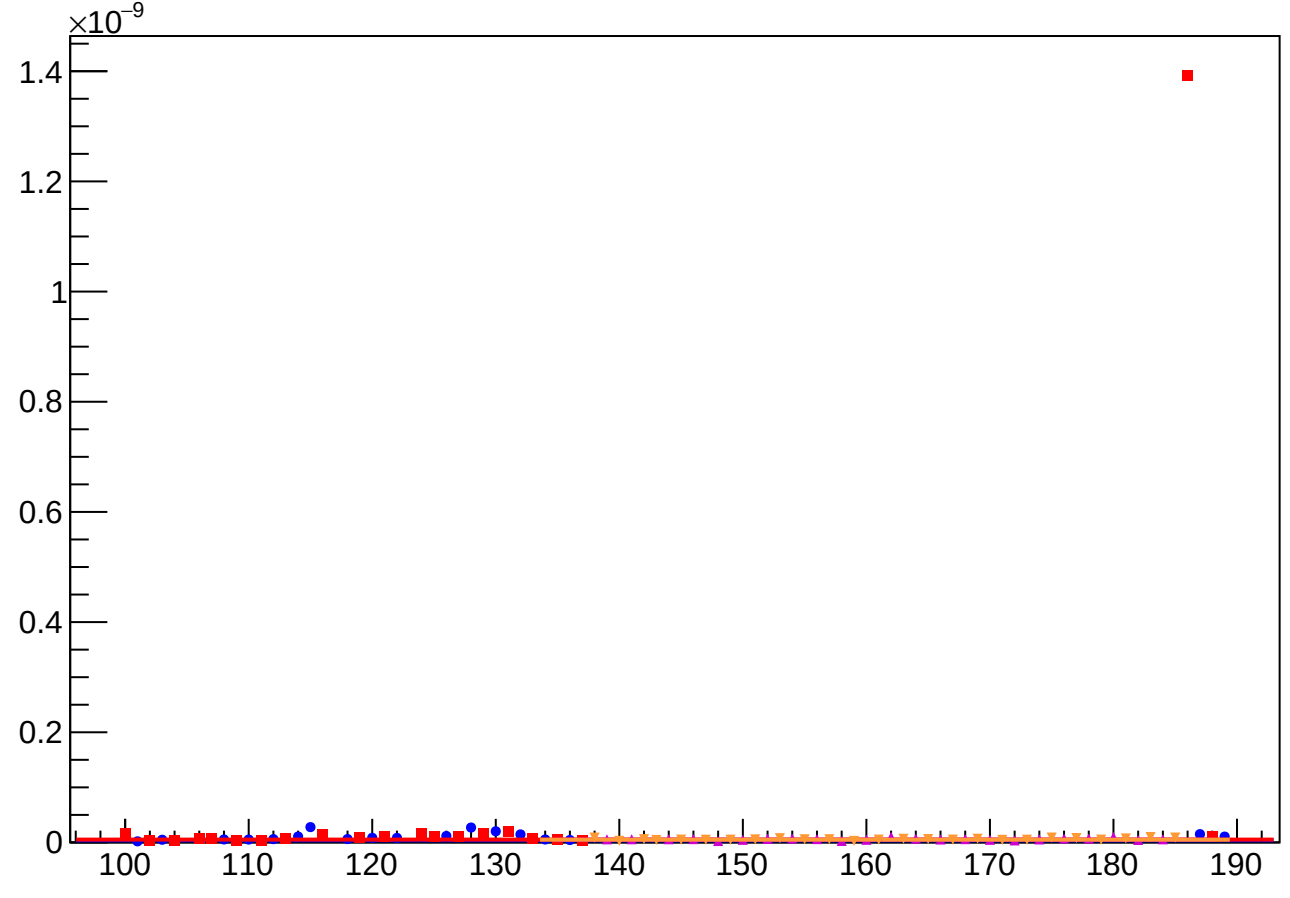
Right: 132.783+/-0.029 χ^2/NDF: 11878471.8/38

In: 203.120+/-0.034 χ^2/NDF:15300252.6/40

Out: 207.053+/-0.033 χ^2/NDF:15643088.4/45

All: 205.134+/-0.023 χ^2/NDF: 30950389.9/86


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 21.0/17
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 10.9/20
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: 32.1/38
In: -0.000+/-0.000 χ²/NDF:42.3/40
Out: 0.000+/-0.000 χ²/NDF:39.6/45
All: -0.000+/-0.000 χ²/NDF: 81.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 2415181.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1957158.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

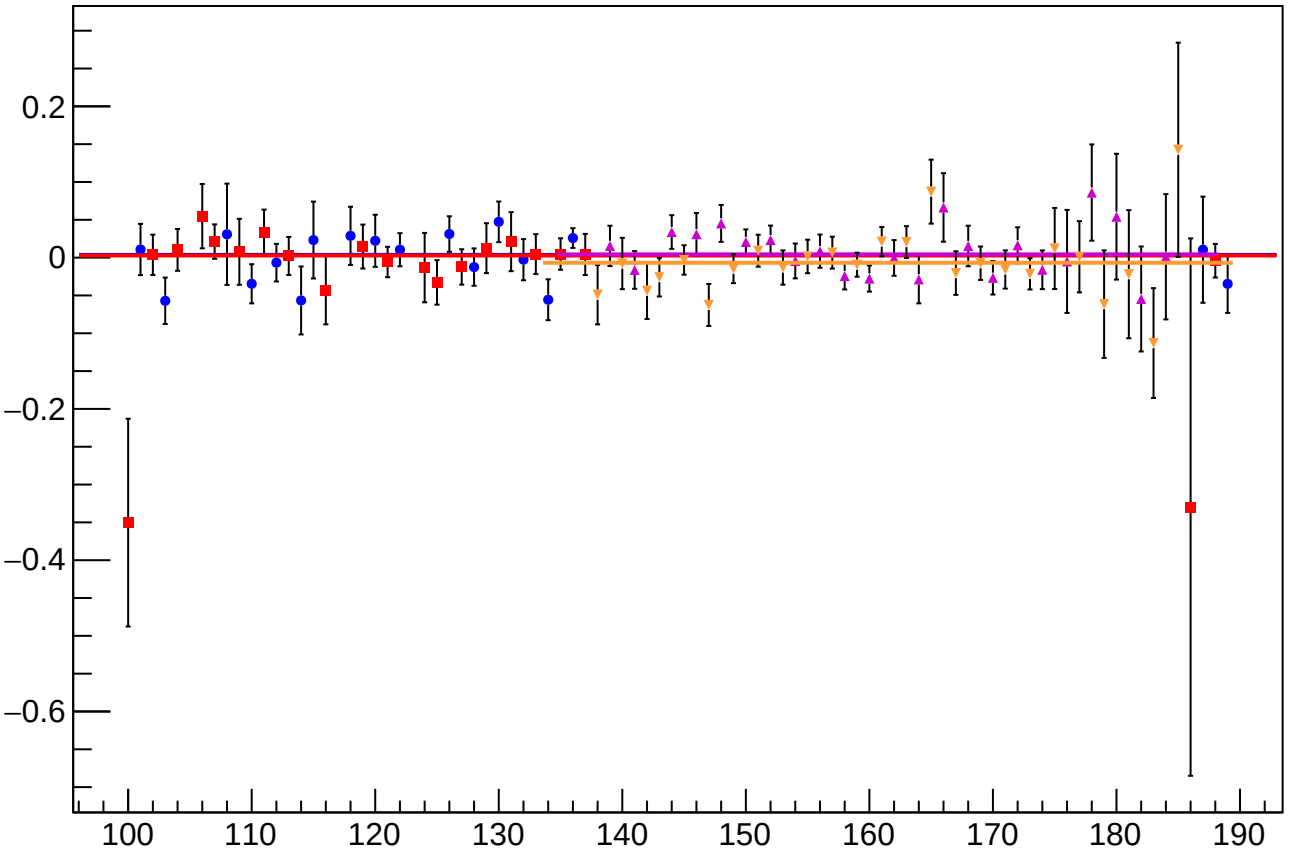
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4602858.4/38

In: 0.000+/-0.000 χ^2/NDF:3905180.4/40

Out: 0.000+/-0.000 χ^2/NDF:3253871.1/45

All: 0.000+/-0.000 χ^2/NDF: 7278277.9/86



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

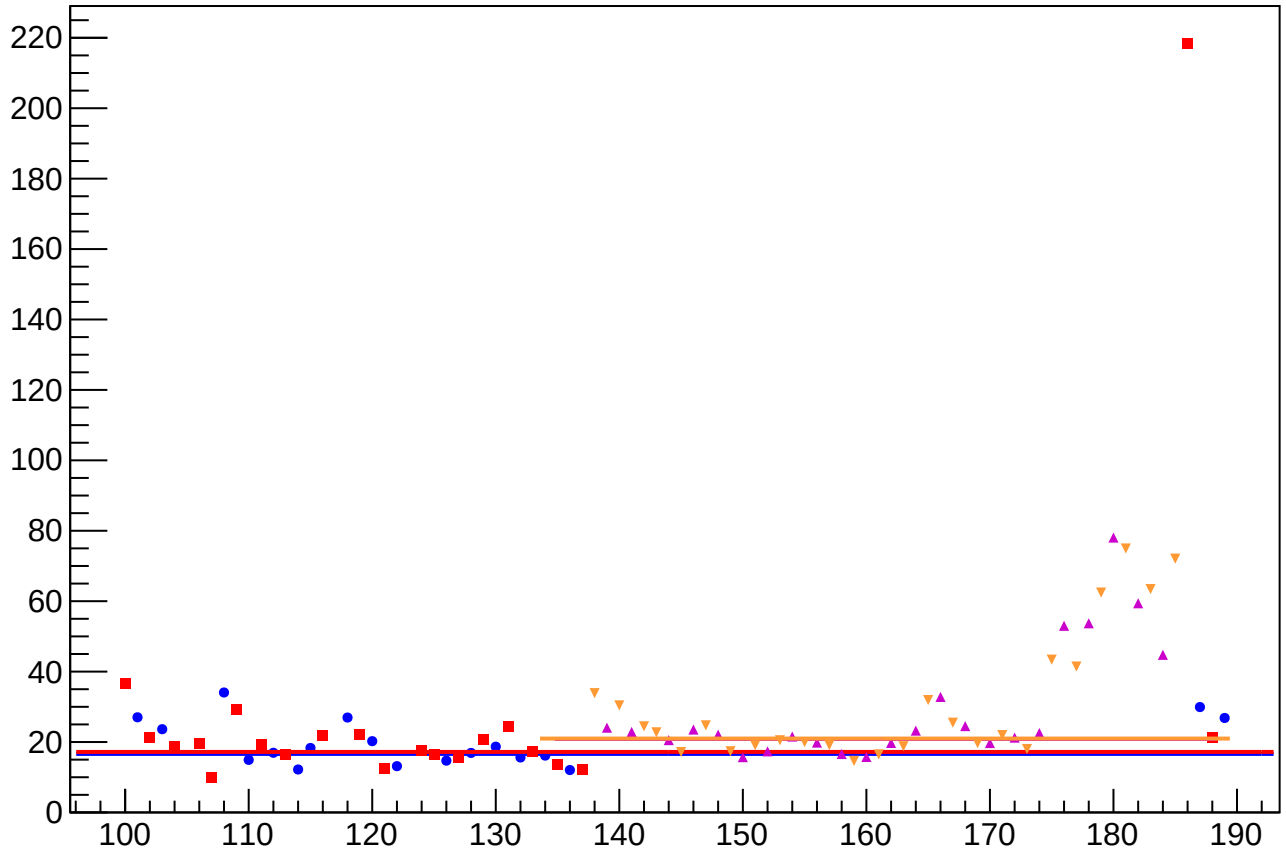
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: 0.003+/-0.005 χ^2/NDF: 37.1/38

In: 0.004+/-0.004 χ^2/NDF:45.7/40

Out: -0.003+/-0.004 χ^2/NDF:37.7/45

All: 0.000+/-0.003 χ^2/NDF: 84.8/86



Right In: 16.631+/-0.005 χ^2/NDF: 1164611.0/17

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580381.3/20

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

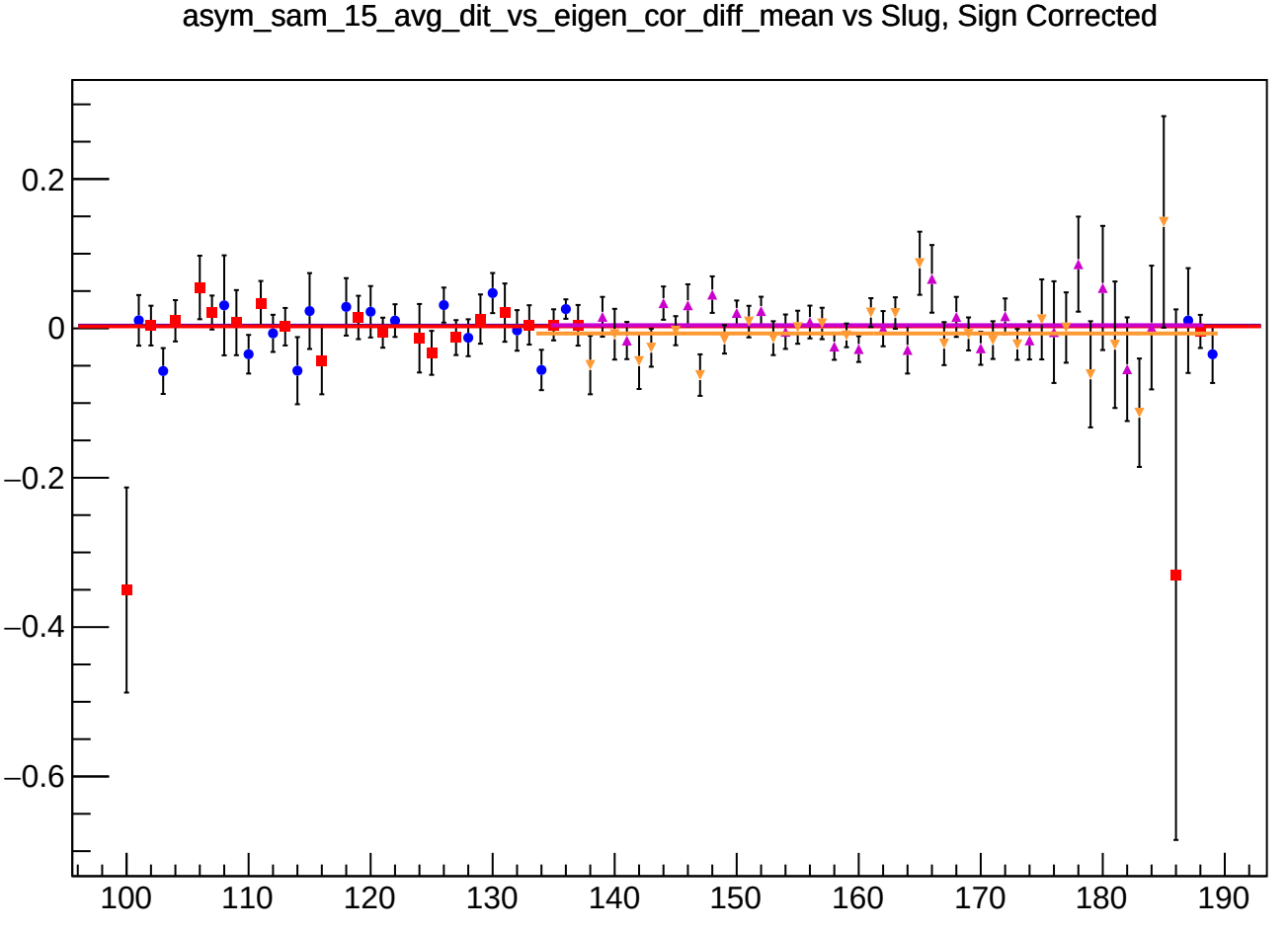
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 16.915+/-0.003 χ^2/NDF: 2752648.3/38

In: 19.162+/-0.003 χ^2/NDF:5215978.5/40

Out: 19.458+/-0.003 χ^2/NDF:6473859.0/45

All: 19.312+/-0.002 χ^2/NDF: 11695165.0/86



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

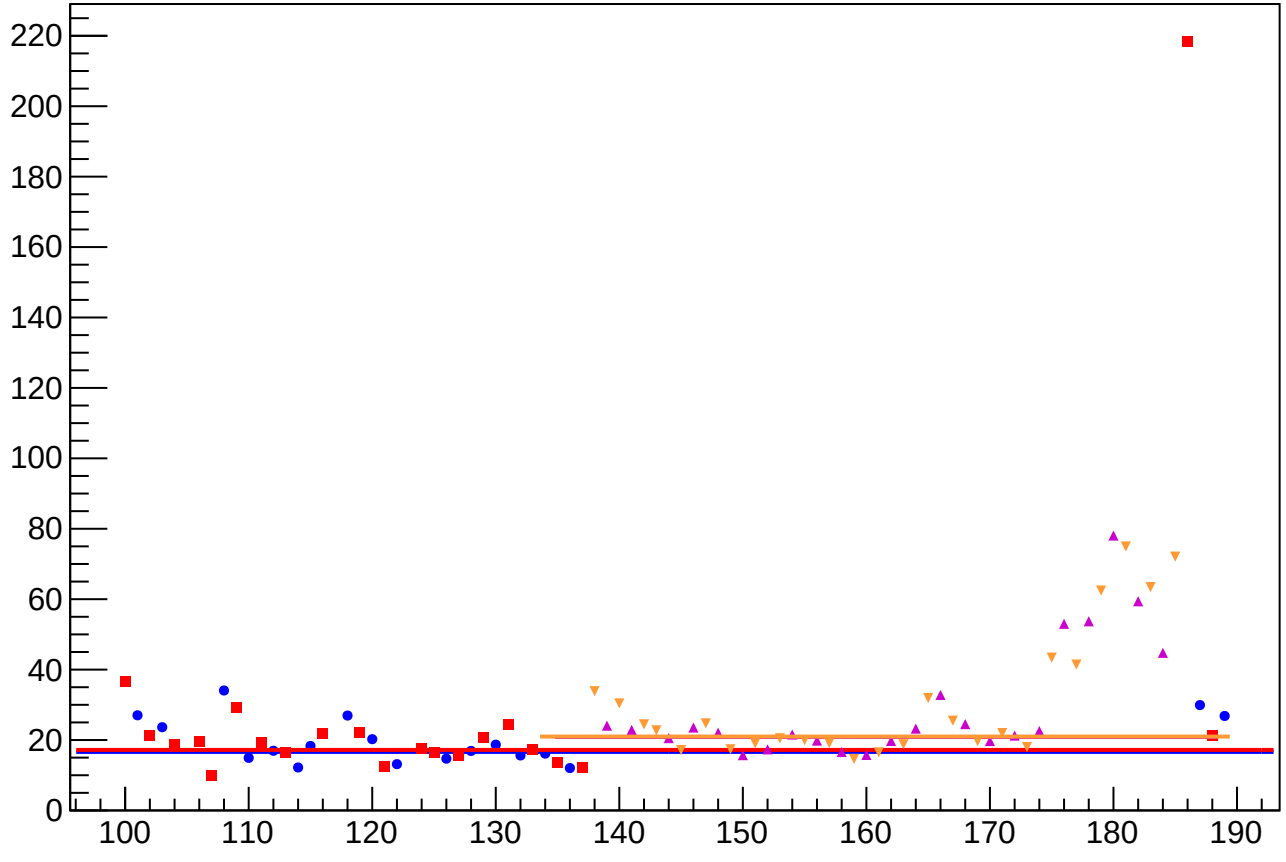
Right: 0.003+/-0.005 χ^2/NDF: 37.1/38

In: 0.004+/-0.004 χ^2/NDF:45.7/40

Out: -0.003+/-0.004 χ^2/NDF:37.7/45

All: 0.000+/-0.003 χ^2/NDF: 84.8/86

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.631+/-0.005 χ^2/NDF: 1164611.0/17

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580381.3/20

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

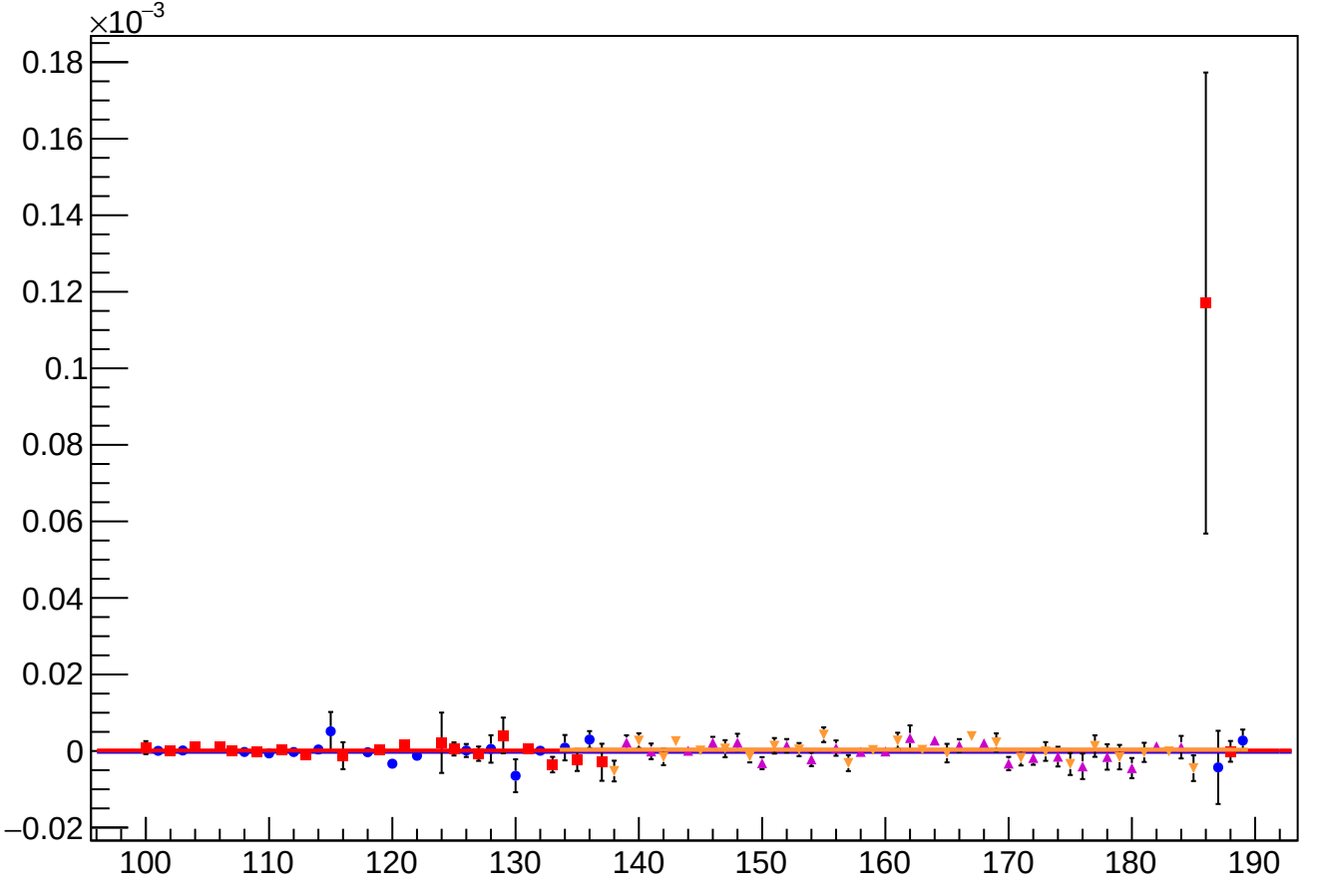
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 16.915+/-0.003 χ^2/NDF: 2752648.3/38

In: 19.162+/-0.003 χ^2/NDF:5215978.5/40

Out: 19.458+/-0.003 χ^2/NDF:6473859.0/45

All: 19.312+/-0.002 χ^2/NDF: 11695165.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/20

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

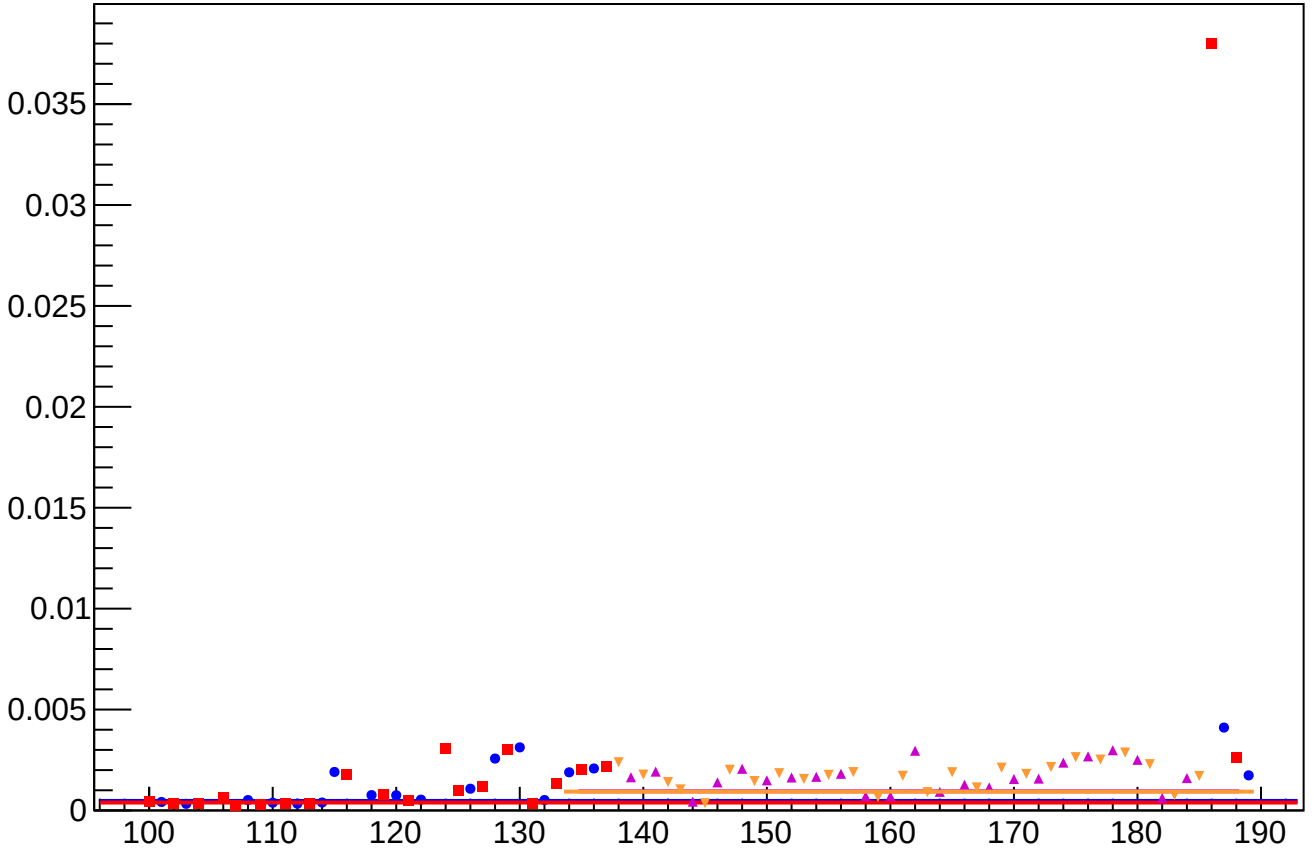
Right: -0.000+/-0.000 χ^2/NDF: 41.1/38

In: -0.000+/-0.000 χ^2/NDF:49.3/40

Out: 0.000+/-0.000 χ^2/NDF:58.8/45

All: 0.000+/-0.000 χ^2/NDF: 109.1/86

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4697622.9/17

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6166528.9/20

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

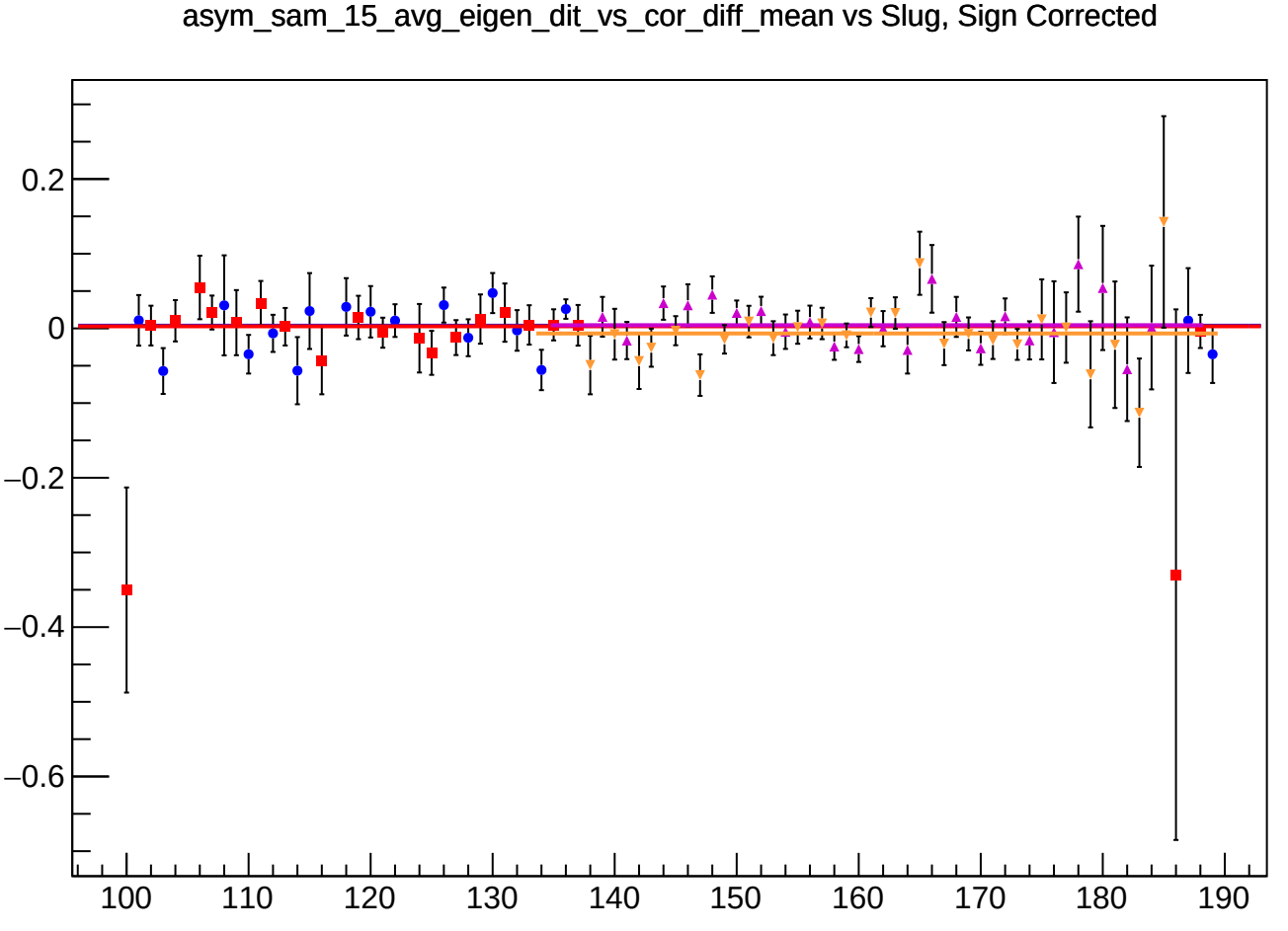
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11031707.5/38

In: 0.001+/-0.000 χ^2/NDF:18228454.3/40

Out: 0.001+/-0.000 χ^2/NDF:24115895.3/45

All: 0.001+/-0.000 χ^2/NDF: 42741435.7/86



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

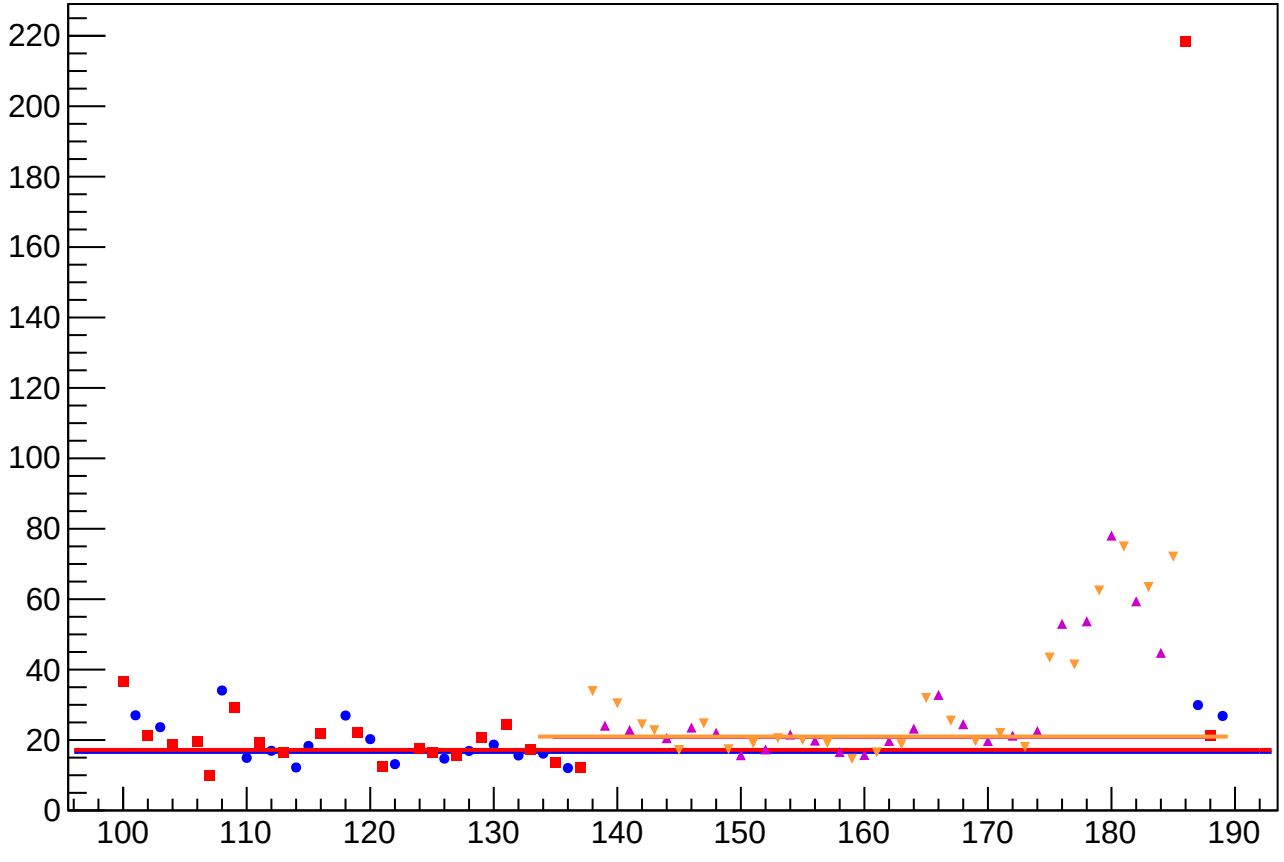
Right: 0.003+/-0.005 χ^2/NDF: 37.1/38

In: 0.004+/-0.004 χ^2/NDF:45.7/40

Out: -0.003+/-0.004 χ^2/NDF:37.7/45

All: 0.000+/-0.003 χ^2/NDF: 84.8/86

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.631+/-0.005 χ^2/NDF: 1164647.2/17

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580379.6/20

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

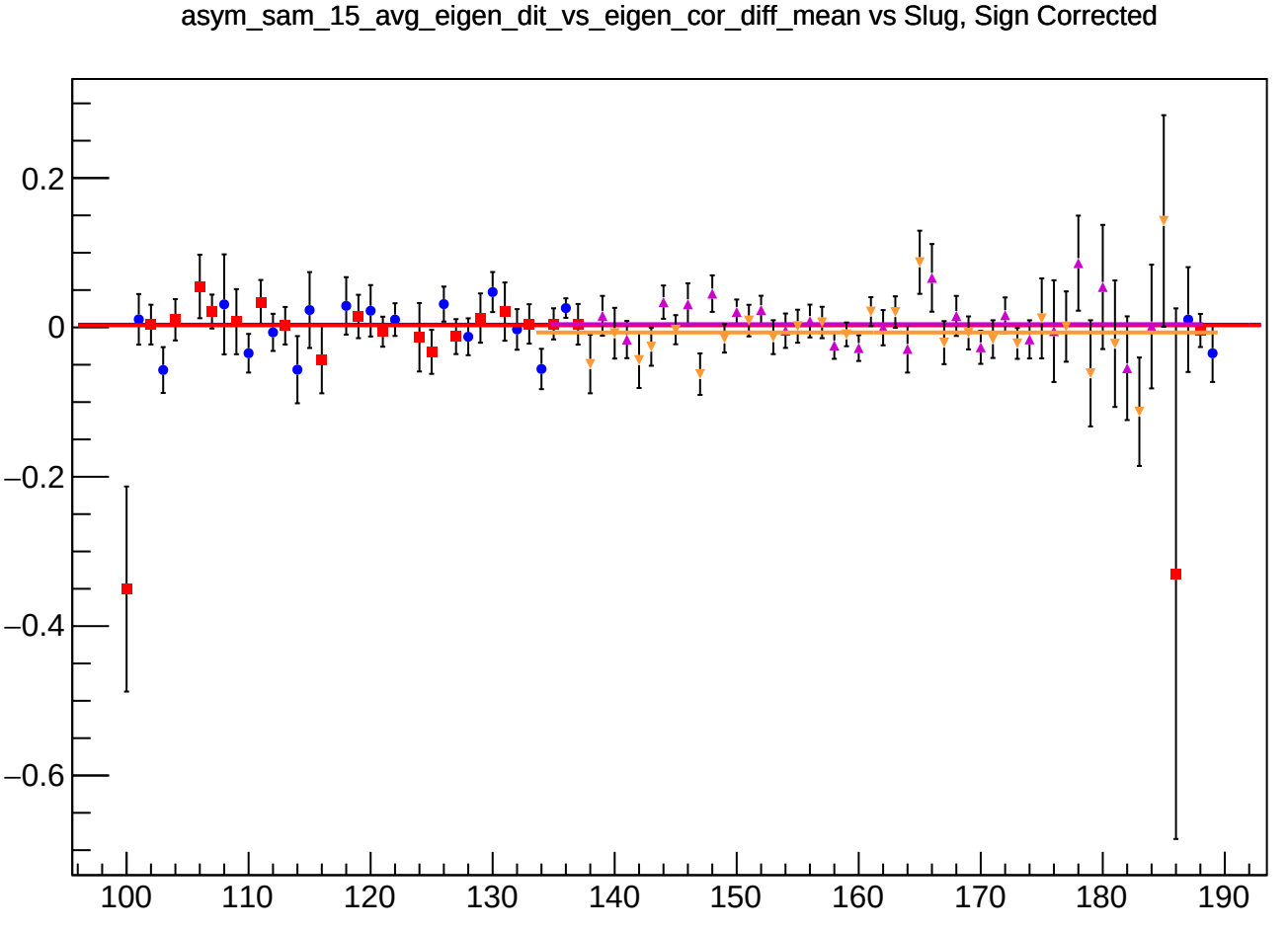
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 16.915+/-0.003 χ^2/NDF: 2752681.4/38

In: 19.162+/-0.003 χ^2/NDF:5216118.5/40

Out: 19.458+/-0.003 χ^2/NDF:6473914.2/45

All: 19.312+/-0.002 χ^2/NDF: 11695360.5/86



Right In: 0.004+/-0.006 χ^2/NDF: 22.5/17

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

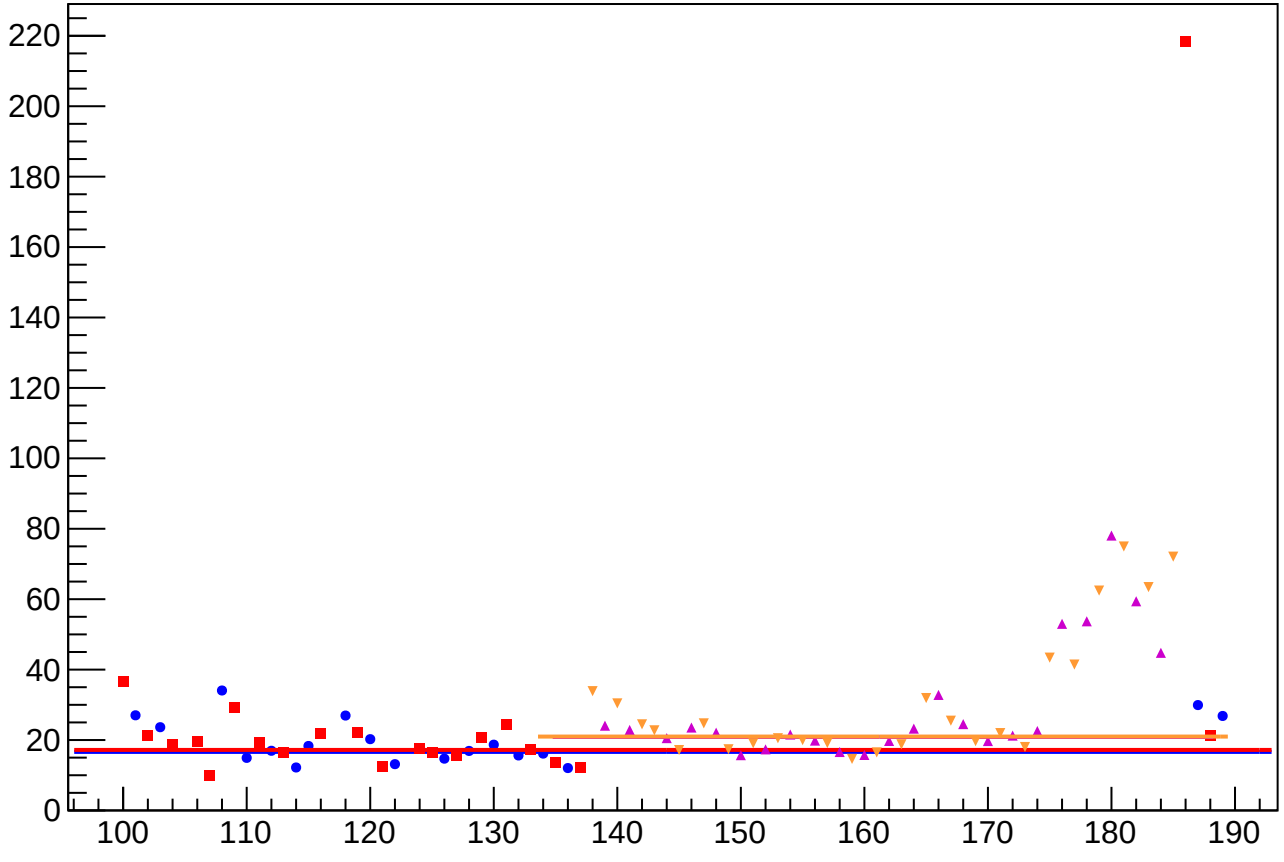
Right: 0.003+/-0.005 χ^2/NDF: 37.1/38

In: 0.004+/-0.004 χ^2/NDF:45.7/40

Out: -0.003+/-0.004 χ^2/NDF:37.7/45

All: 0.000+/-0.003 χ^2/NDF: 84.8/86

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.631+/-0.005 χ^2/NDF: 1164647.2/17

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580379.6/20

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

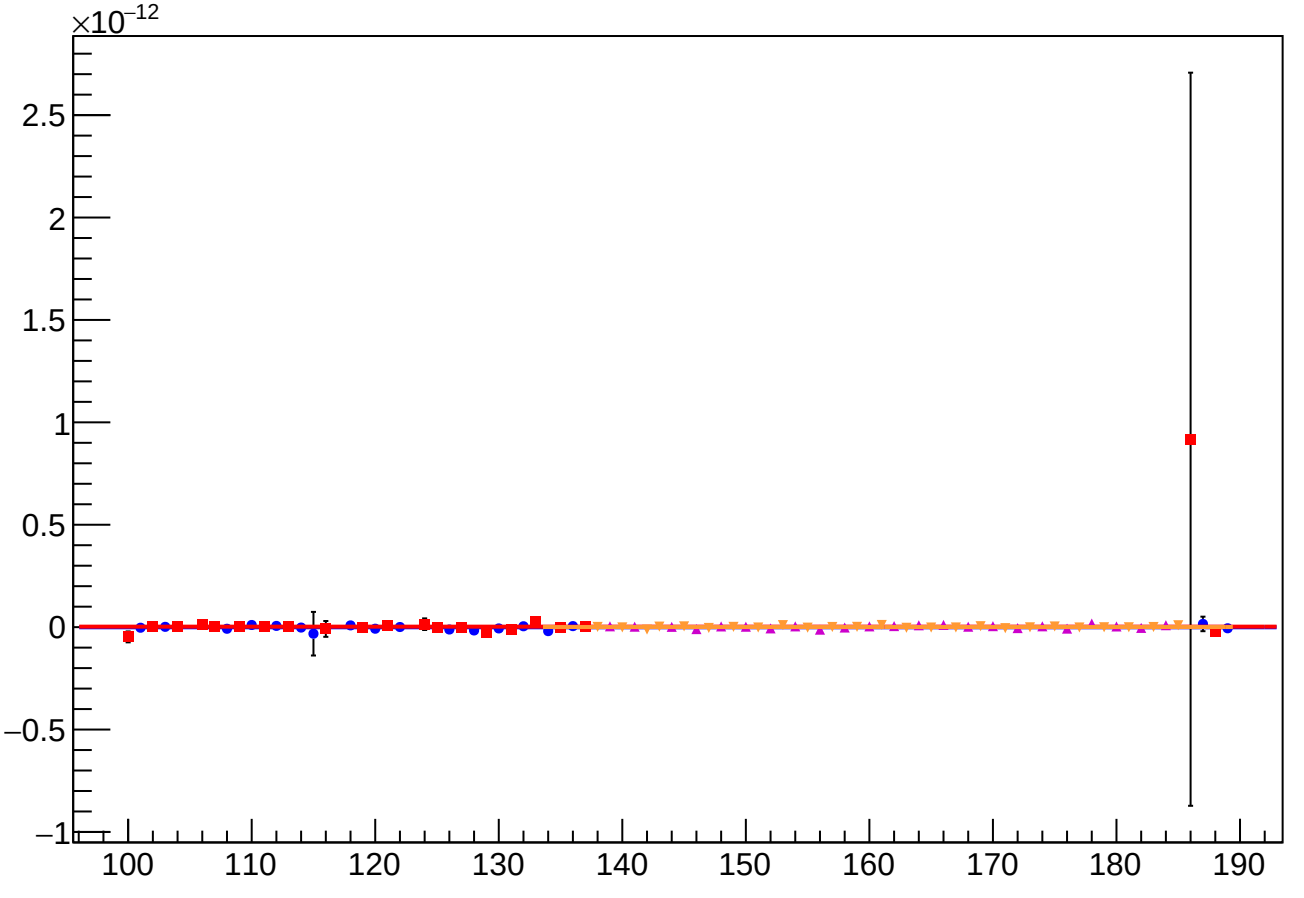
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 16.915+/-0.003 χ^2/NDF: 2752681.4/38

In: 19.162+/-0.003 χ^2/NDF:5216118.5/40

Out: 19.458+/-0.003 χ^2/NDF:6473914.2/45

All: 19.312+/-0.002 χ^2/NDF: 11695360.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/20

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

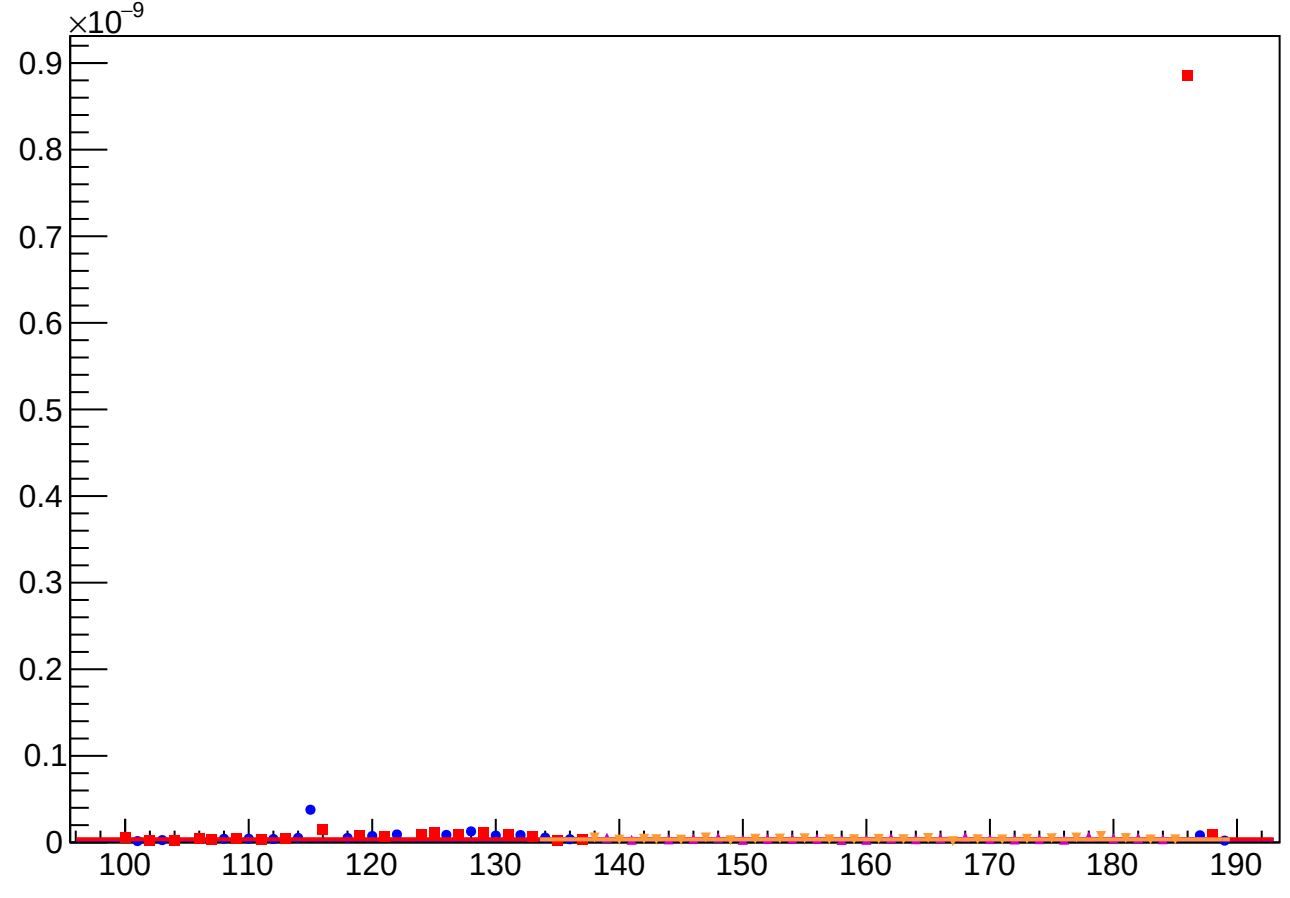
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 32.0/38

In: 0.000+/-0.000 χ^2/NDF:39.9/40

Out: 0.000+/-0.000 χ^2/NDF:32.8/45

All: 0.000+/-0.000 χ^2/NDF: 73.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 3011668.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3473189.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

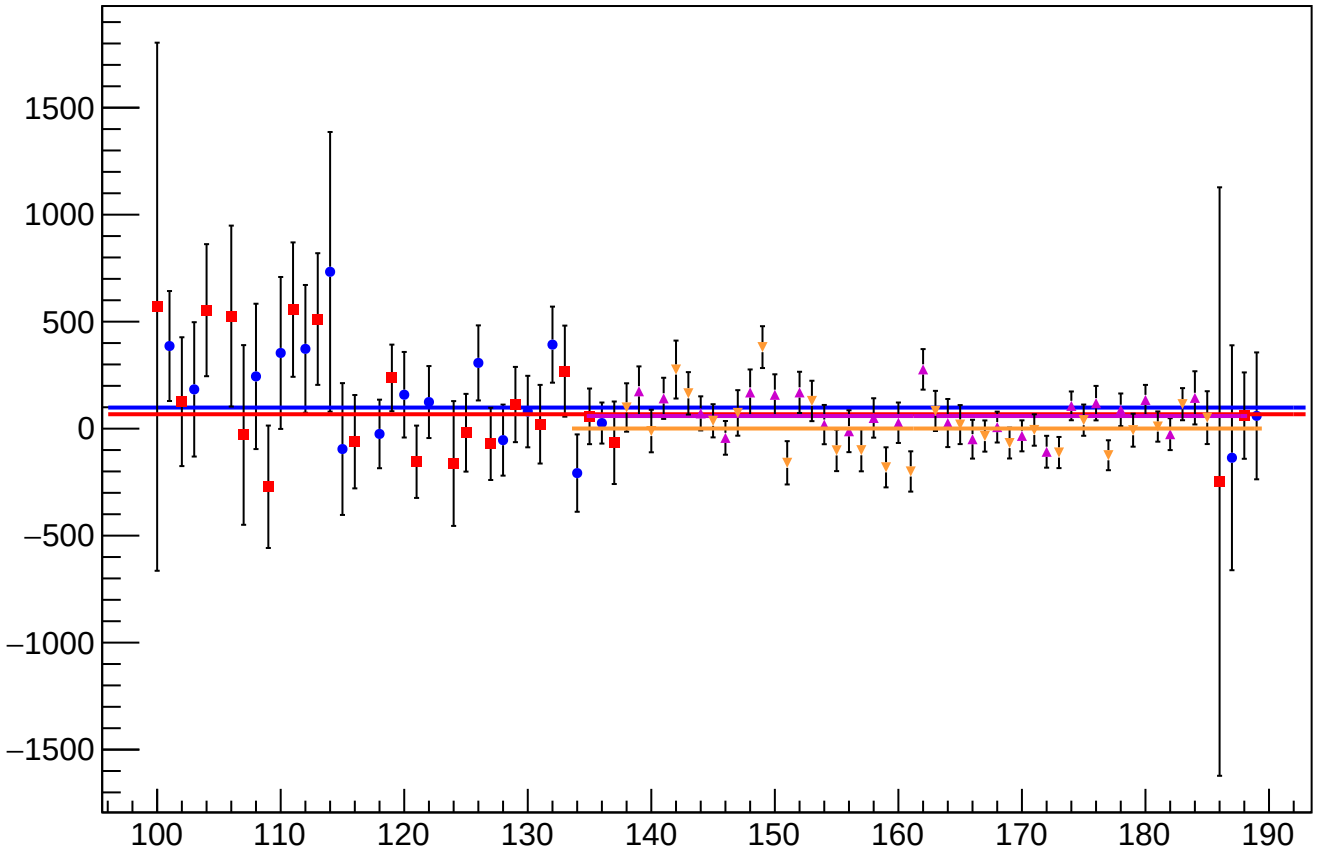
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 6626800.2/38

In: 0.000+/-0.000 χ^2/NDF:4632806.1/40

Out: 0.000+/-0.000 χ^2/NDF:6005926.9/45

All: 0.000+/-0.000 χ^2/NDF: 10640825.3/86



Right In: 98.532+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.321+/-47.888 χ^2/NDF: 16.2/20

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

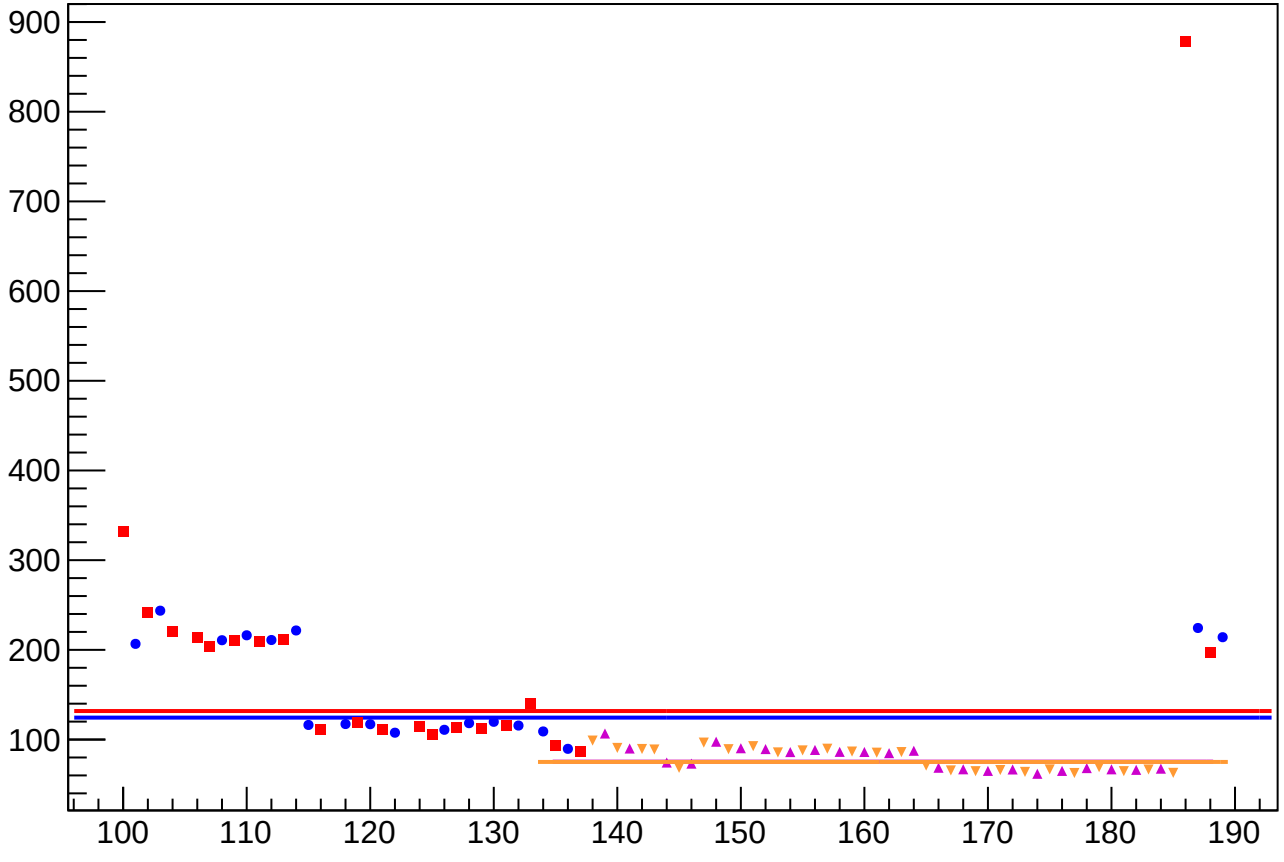
Right: 83.271+/-33.486 χ^2/NDF: 30.0/38

In: 63.946+/-16.704 χ^2/NDF:40.0/40

Out: 8.316+/-16.287 χ^2/NDF:66.5/45

All: 35.428+/-11.661 χ^2/NDF: 112.2/86

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 124.459+/-0.033 χ^2/NDF: 1550401.6/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 131.781+/-0.034 χ^2/NDF: 2286839.1/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

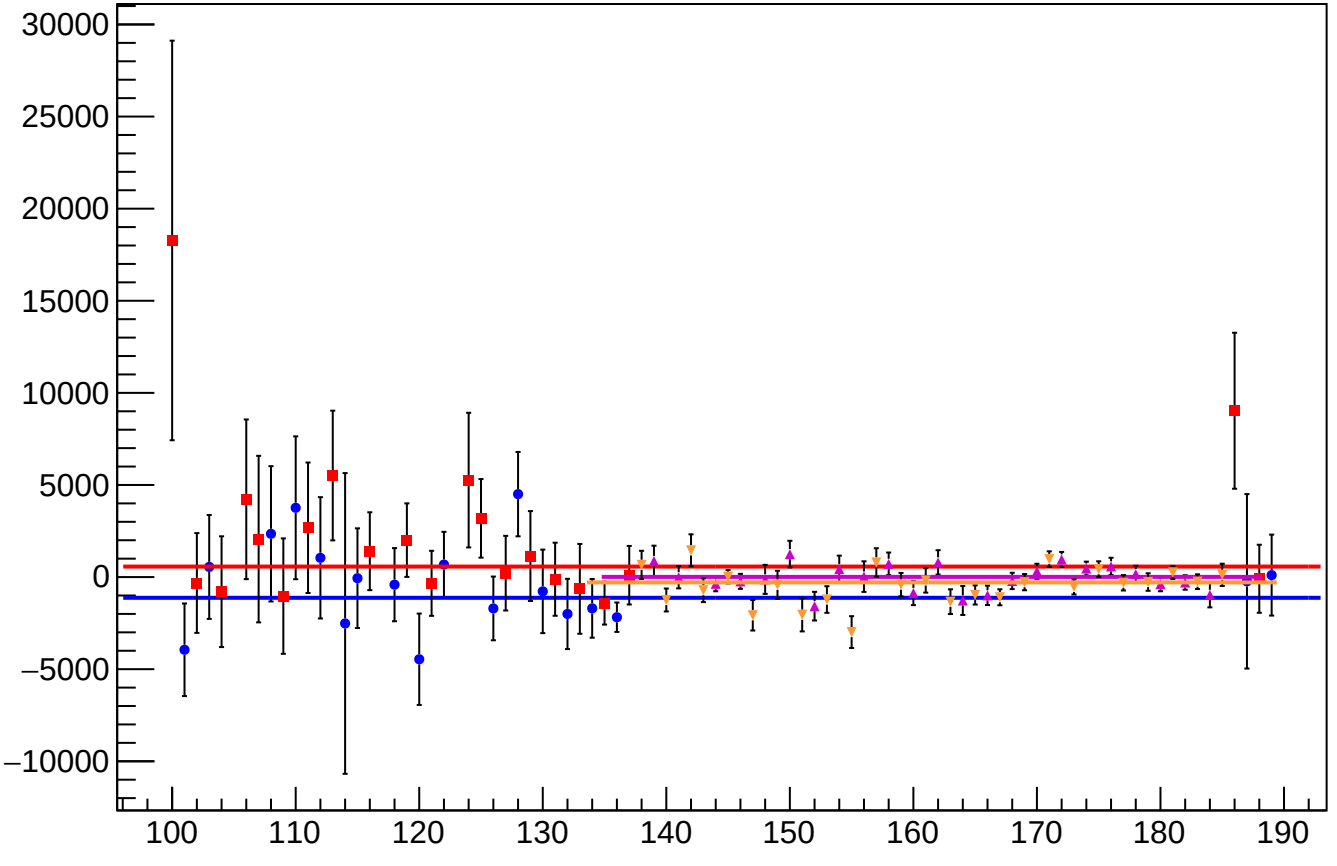
Right: 128.039+/-0.024 χ^2/NDF: 3861134.2/38

In: 81.597+/-0.012 χ^2/NDF:4306722.4/40

Out: 81.604+/-0.012 χ^2/NDF:5697879.5/45

All: 81.601+/-0.008 χ^2/NDF: 10004602.1/86

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1124.527+/-465.655 χ^2/NDF: 16.3/17

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 570.260+/-498.607 χ^2/NDF: 18.0/20

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

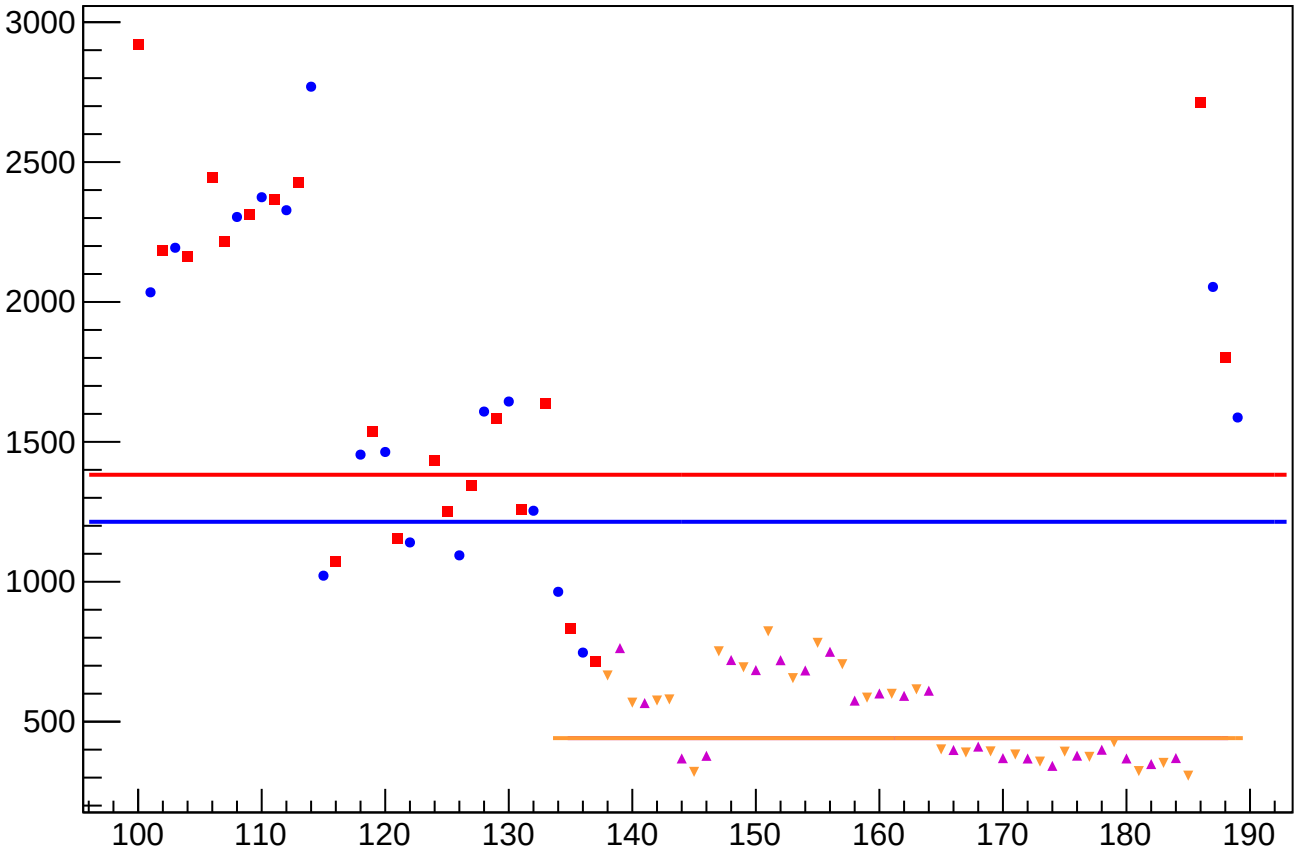
Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

Right: -334.982+/-340.322 χ^2/NDF: 40.5/38

In: -46.967+/-104.902 χ^2/NDF:55.3/40

Out: -251.477+/-102.963 χ^2/NDF:74.1/45

All: -151.129+/-73.482 χ^2/NDF: 131.4/86



Right In: 1214.358+/-0.329 χ^2/NDF: 2171035.0/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1382.454+/-0.353 χ^2/NDF: 2279022.3/20

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

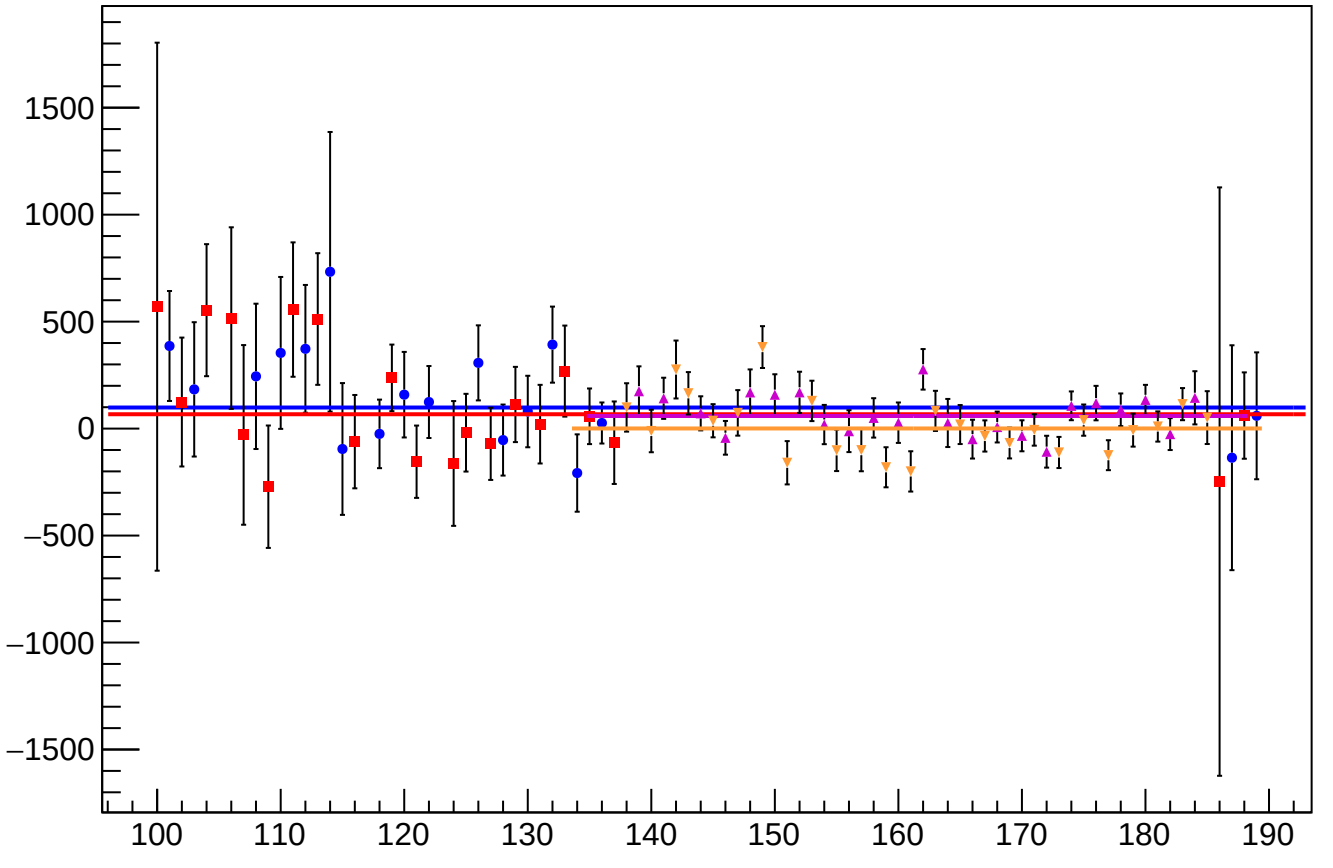
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1292.668+/-0.241 χ^2/NDF: 4571473.5/38

In: 480.434+/-0.074 χ^2/NDF:10086973.4/40

Out: 481.269+/-0.073 χ^2/NDF:12338089.8/45

All: 480.859+/-0.052 χ^2/NDF: 22425127.8/86



Right In: 98.519+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.106+/-47.891 χ^2/NDF: 16.1/20

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

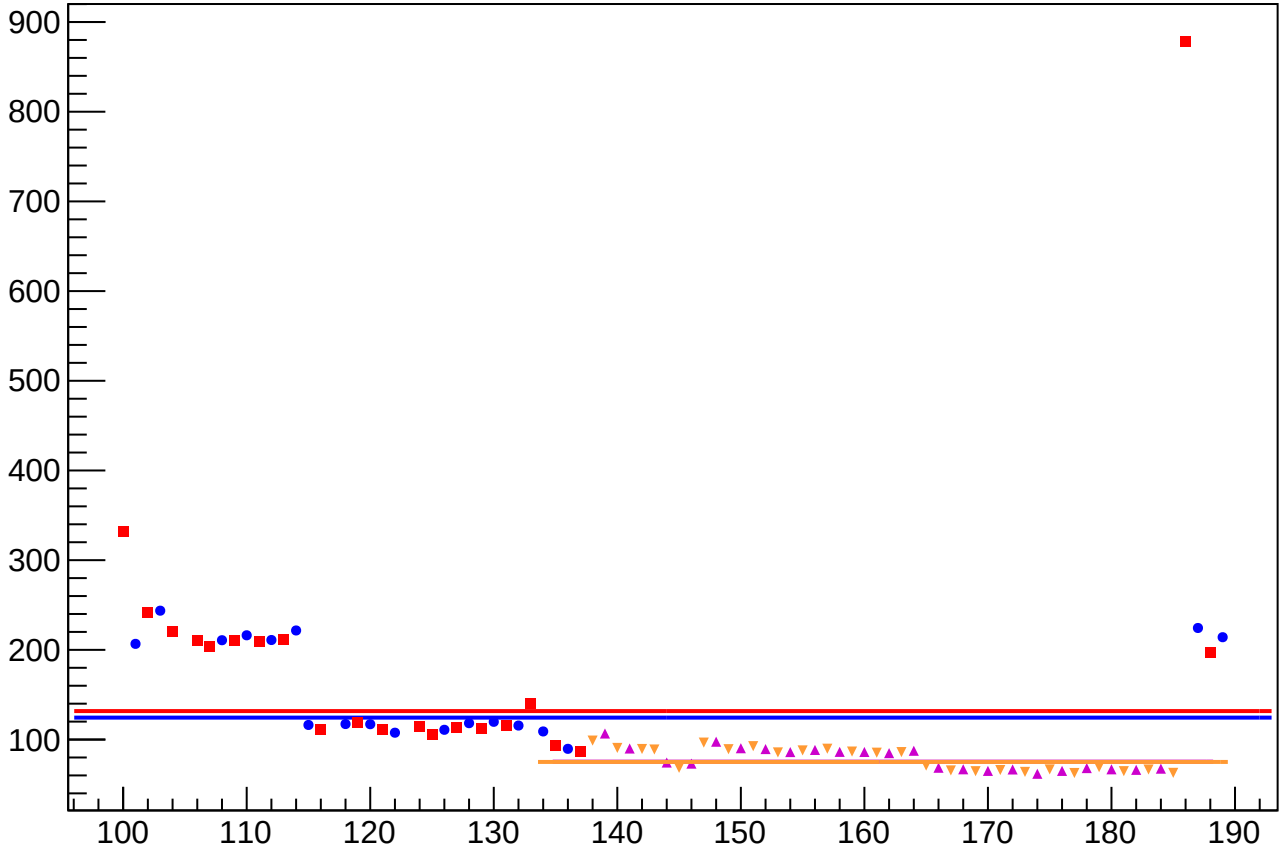
Right: 83.161+/-33.486 χ^2/NDF: 29.9/38

In: 63.942+/-16.704 χ^2/NDF:40.0/40

Out: 8.290+/-16.287 χ^2/NDF:66.4/45

All: 35.413+/-11.661 χ^2/NDF: 112.1/86

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 124.459+/-0.033 χ^2/NDF: 1550404.1/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 131.734+/-0.034 χ^2/NDF: 2281120.9/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

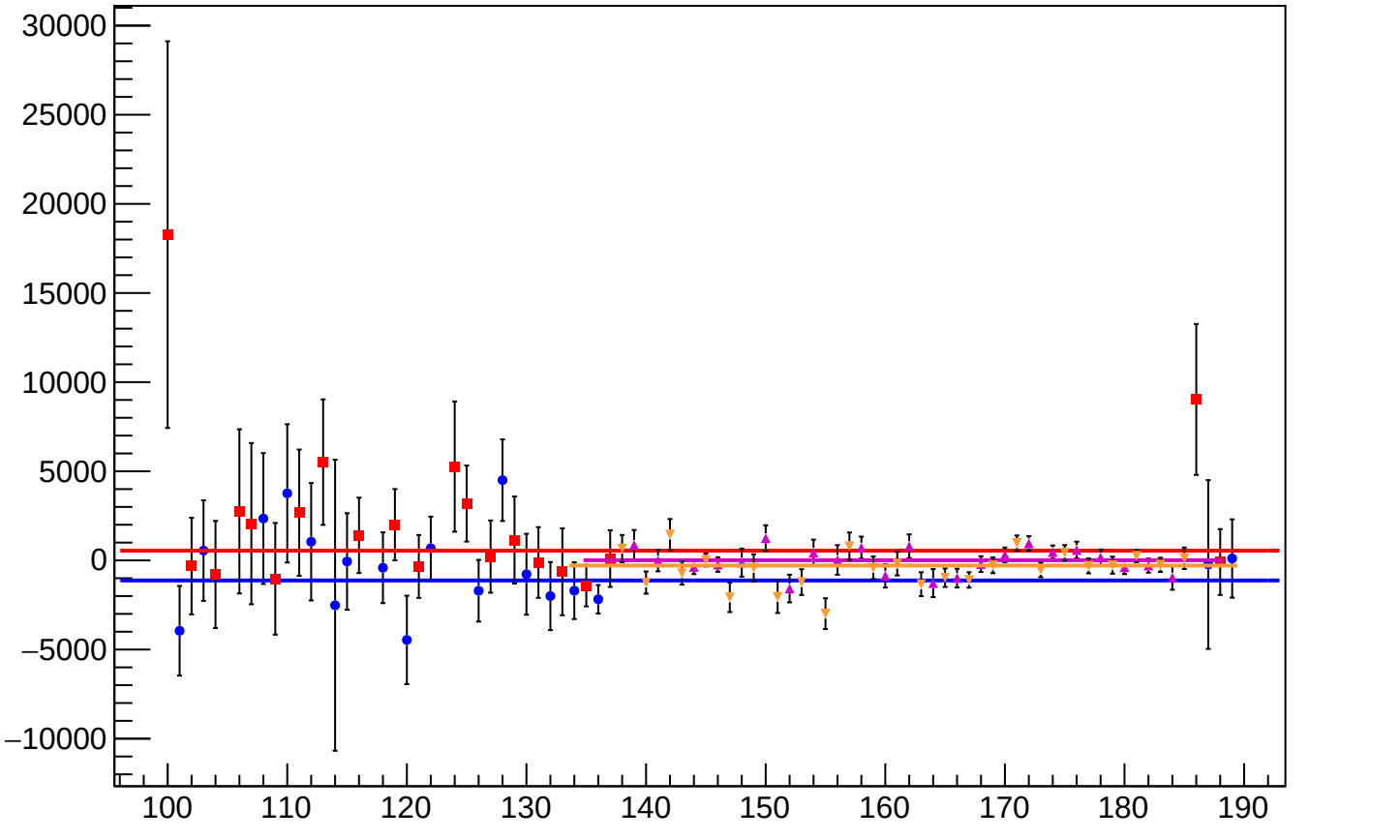
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 128.016+/-0.024 χ^2/NDF: 3855114.2/38

In: 81.597+/-0.012 χ^2/NDF:4306724.3/40

Out: 81.598+/-0.012 χ^2/NDF:5687829.1/45

All: 81.598+/-0.008 χ^2/NDF: 9994553.4/86



Right In: -1124.504+/-465.656 χ^2/NDF: 16.3/17

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 547.644+/-498.998 χ^2/NDF: 17.5/20

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

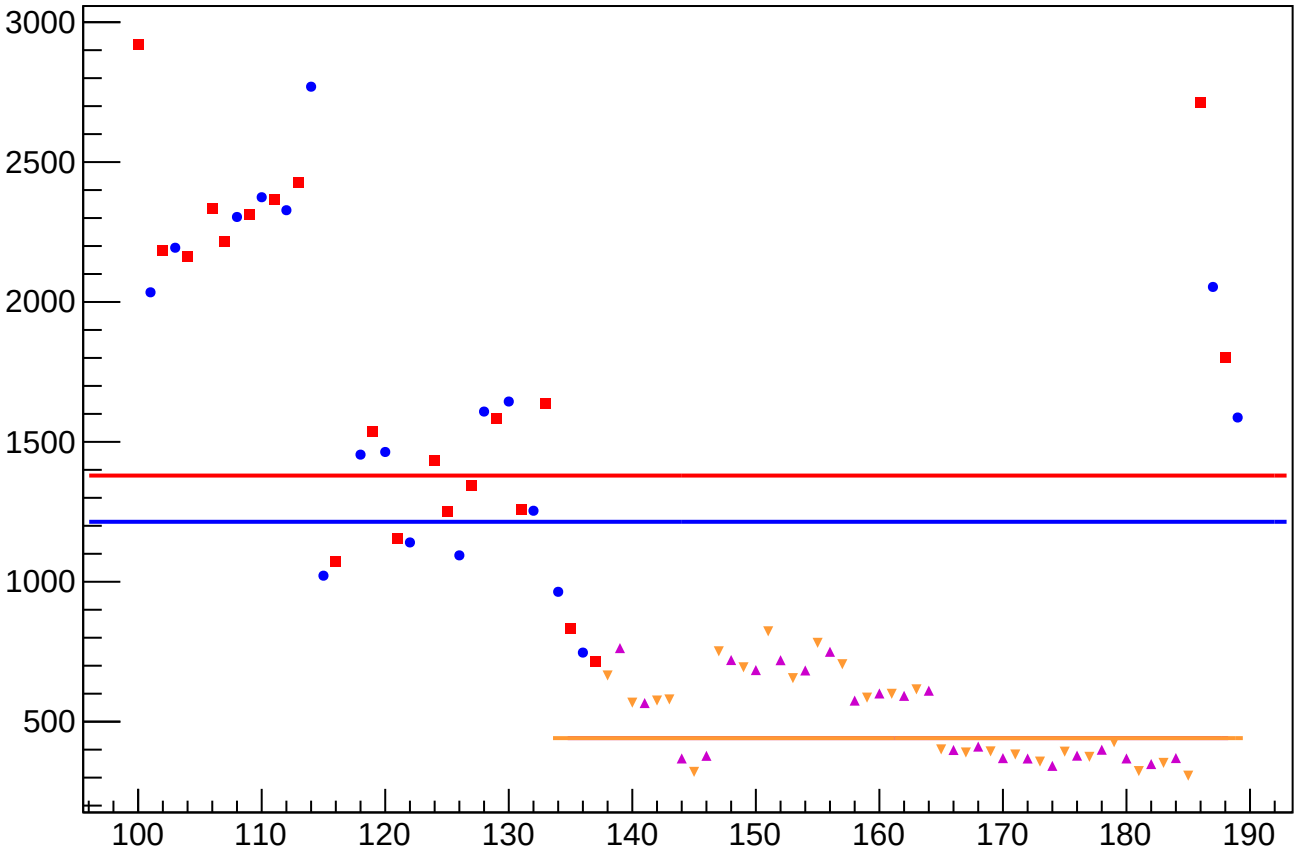
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -346.156+/-340.446 χ^2/NDF: 39.8/38

In: -46.964+/-104.902 χ^2/NDF:55.3/40

Out: -252.494+/-102.967 χ^2/NDF:73.5/45

All: -151.643+/-73.483 χ^2/NDF: 130.8/86



Right In: 1214.358+/-0.329 χ^2/NDF: 2171066.1/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1379.569+/-0.353 χ^2/NDF: 2244782.5/20

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

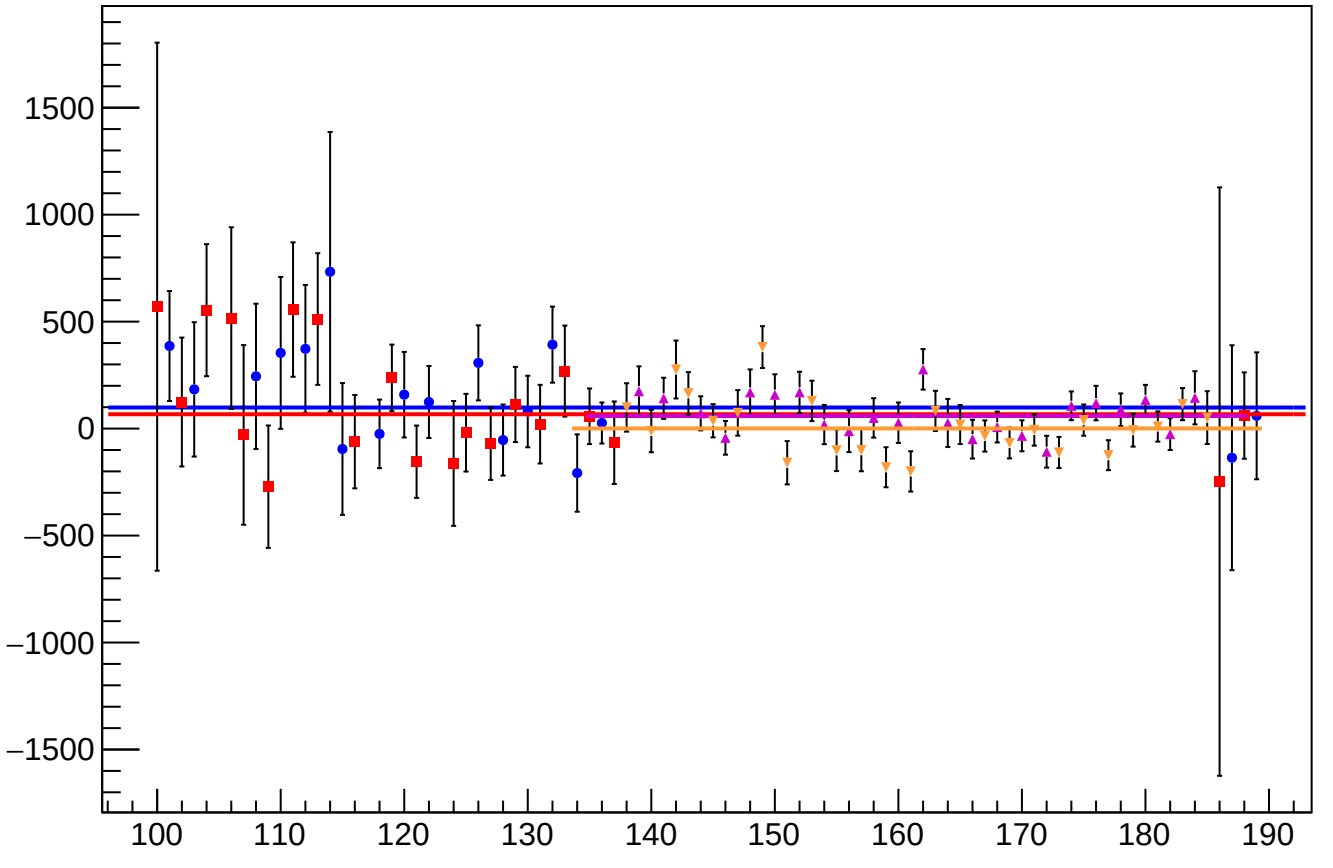
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1291.260+/-0.241 χ^2/NDF: 4533034.3/38

In: 480.434+/-0.074 χ^2/NDF:10086984.1/40

Out: 481.086+/-0.073 χ^2/NDF:12251905.8/45

All: 480.766+/-0.052 χ^2/NDF: 22338929.3/86



Right In: 98.519+/-46.841 χ^2/NDF: 13.6/17

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.106+/-47.891 χ^2/NDF: 16.1/20

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

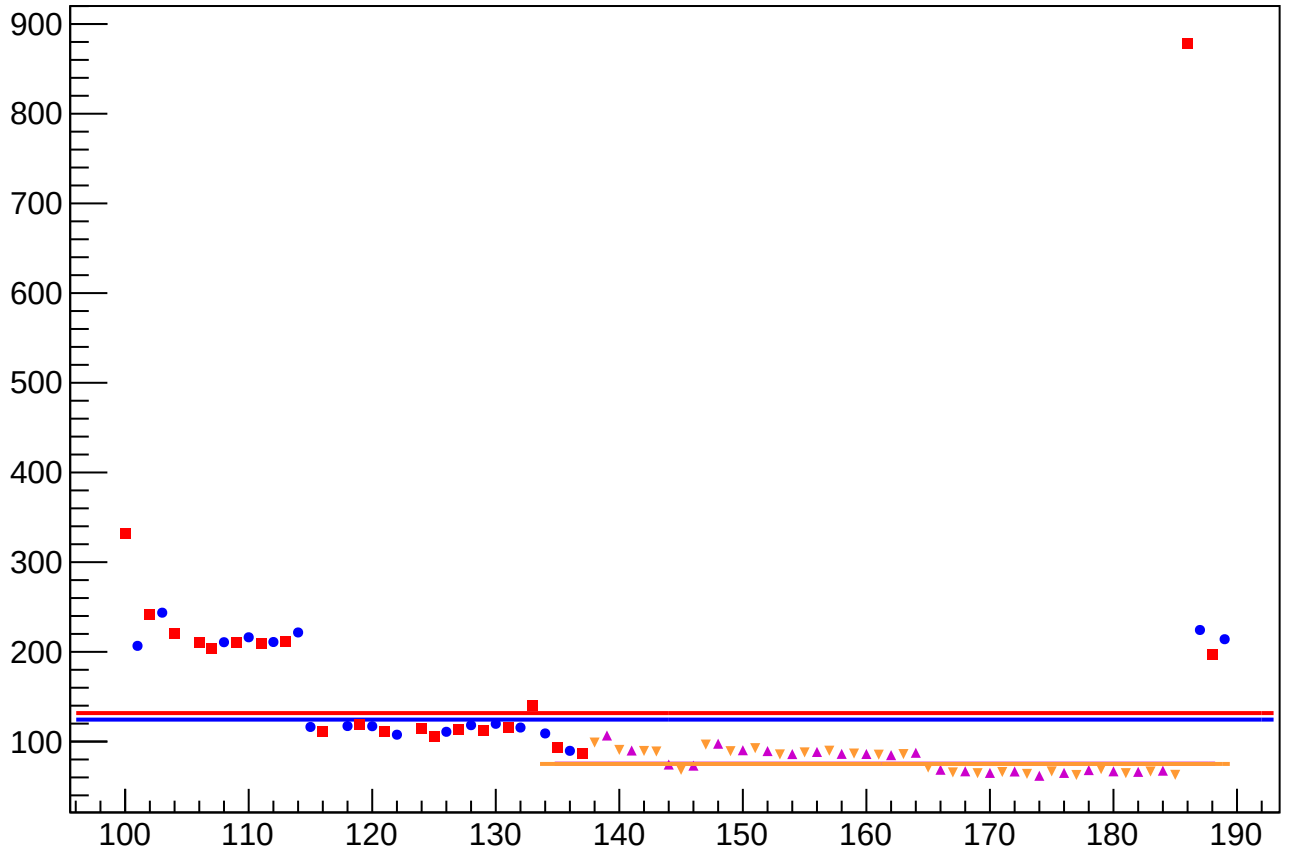
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 83.161+/-33.486 χ^2/NDF: 29.9/38

In: 63.942+/-16.704 χ^2/NDF:40.0/40

Out: 8.290+/-16.287 χ^2/NDF:66.4/45

All: 35.413+/-11.661 χ^2/NDF: 112.1/86



Right In: 124.459+/-0.033 χ^2/NDF: 1550404.1/17

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 131.734+/-0.034 χ^2/NDF: 2281120.9/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

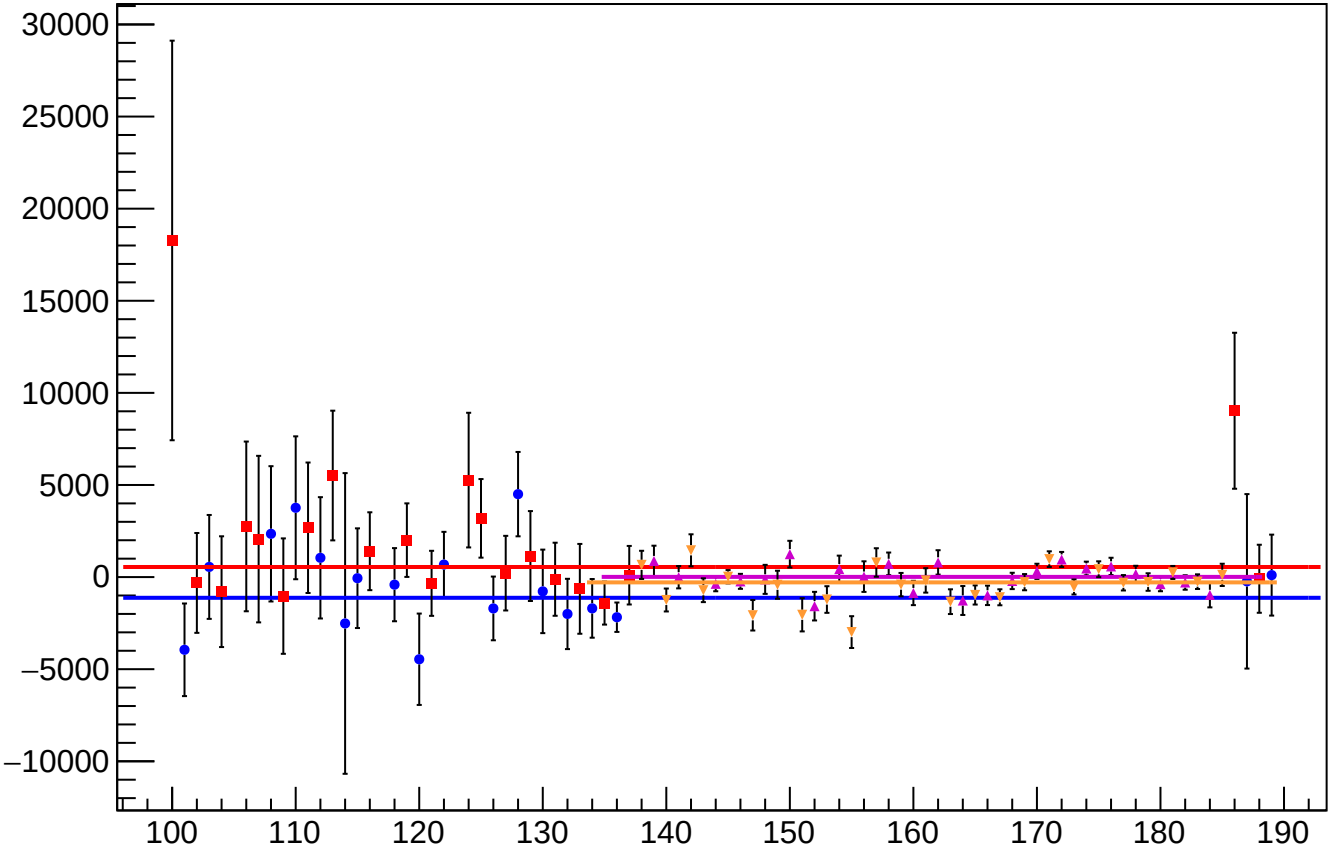
Right: 128.016+/-0.024 χ^2/NDF: 3855114.2/38

In: 81.597+/-0.012 χ^2/NDF:4306724.3/40

Out: 81.598+/-0.012 χ^2/NDF:5687829.1/45

All: 81.598+/-0.008 χ^2/NDF: 9994553.4/86

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1124.504+/-465.656 χ^2/NDF: 16.3/17

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 547.644+/-498.998 χ^2/NDF: 17.5/20

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

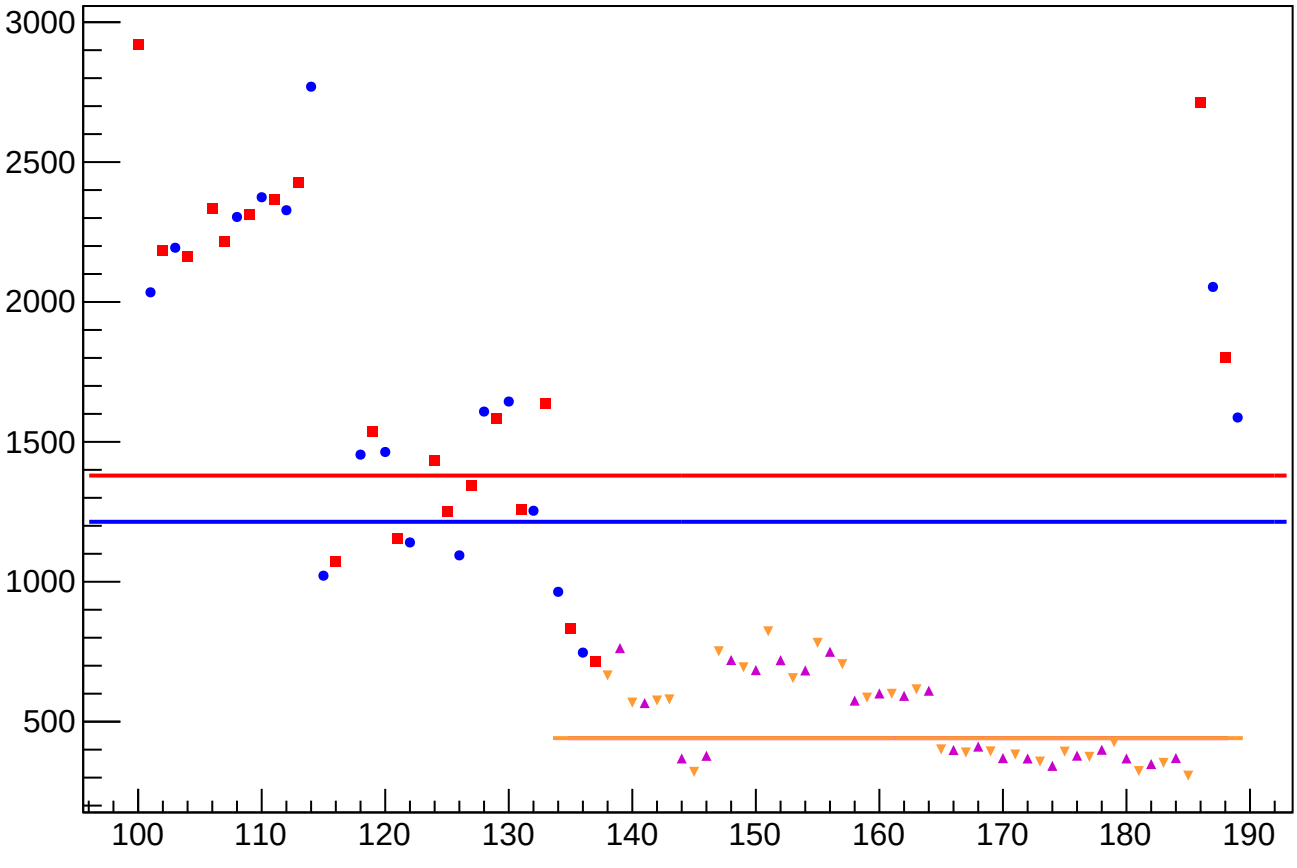
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -346.156+/-340.446 χ^2/NDF: 39.8/38

In: -46.964+/-104.902 χ^2/NDF:55.3/40

Out: -252.494+/-102.967 χ^2/NDF:73.5/45

All: -151.643+/-73.483 χ^2/NDF: 130.8/86



Right In: 1214.358+/-0.329 χ^2/NDF: 2171066.1/17

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1379.569+/-0.353 χ^2/NDF: 2244782.5/20

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

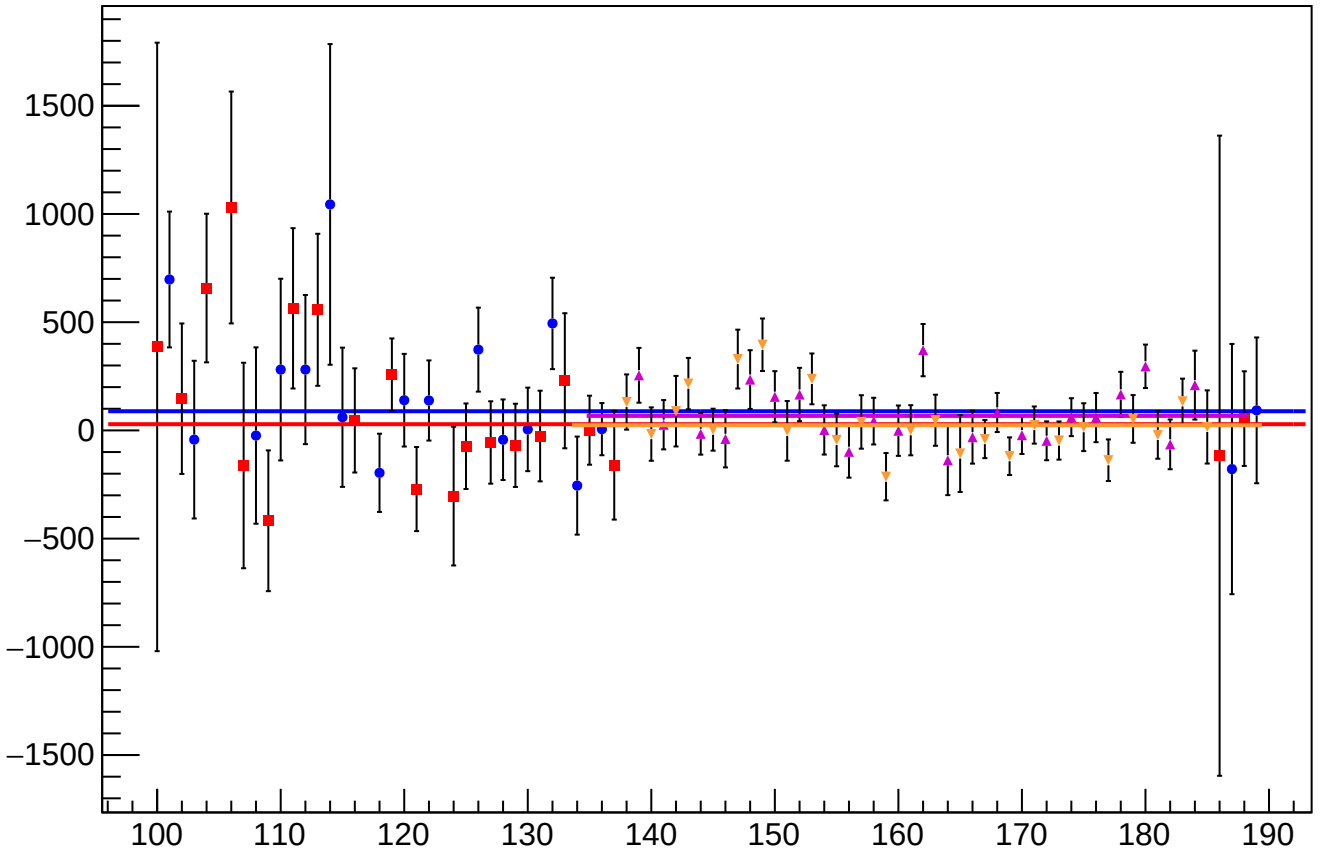
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1291.260+/-0.241 χ^2/NDF: 4533034.3/38

In: 480.434+/-0.074 χ^2/NDF:10086984.1/40

Out: 481.086+/-0.073 χ^2/NDF:12251905.8/45

All: 480.766+/-0.052 χ^2/NDF: 22338929.3/86



Right In: 88.550+/-54.579 χ^2/NDF: 18.3/17

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 28.703+/-55.133 χ^2/NDF: 20.6/20

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

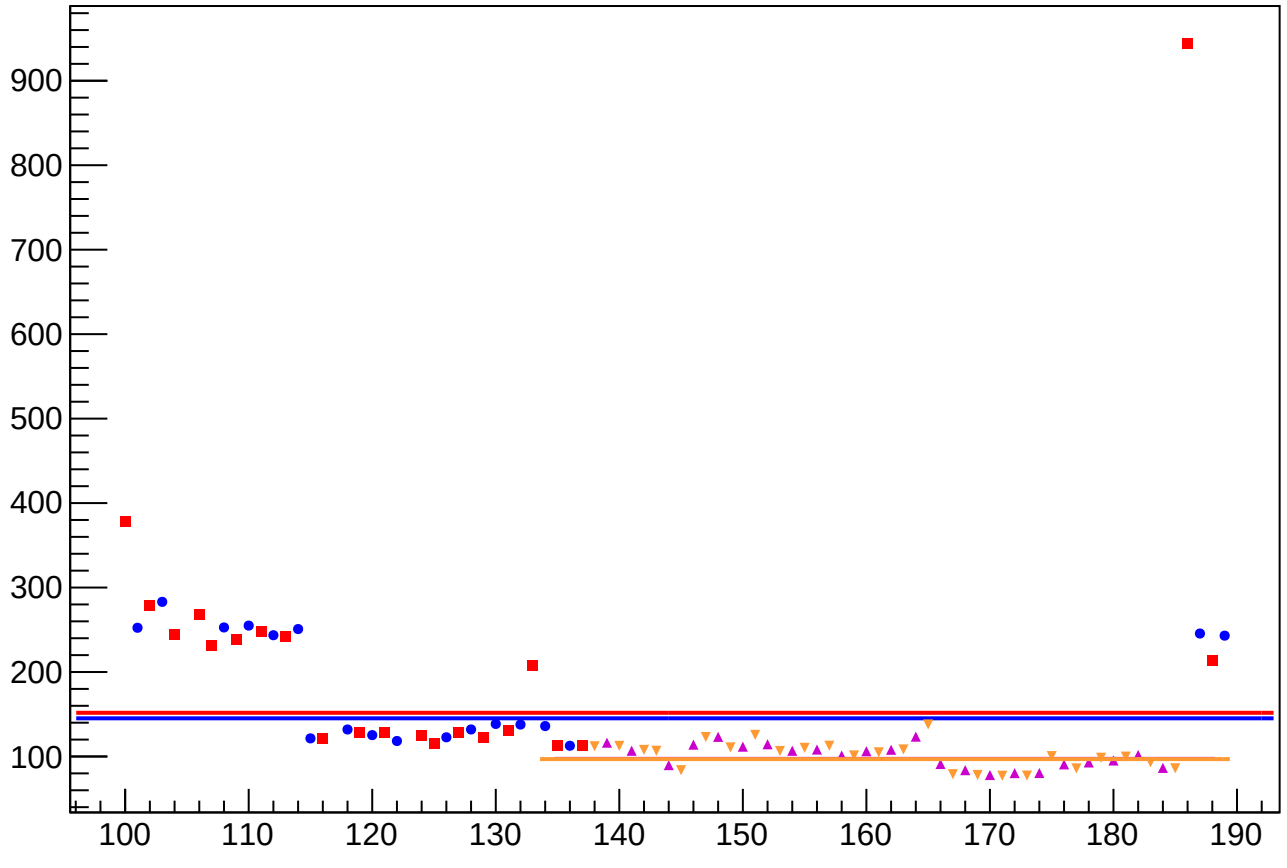
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 58.929+/-38.788 χ^2/NDF: 39.5/38

In: 70.352+/-21.289 χ^2/NDF:47.1/40

Out: 24.558+/-20.764 χ^2/NDF:55.8/45

All: 46.883+/-14.865 χ^2/NDF: 105.2/86



Right In: 145.177+/-0.039 χ^2/NDF: 1499896.5/17

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 151.718+/-0.039 χ^2/NDF: 2262850.0/20

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

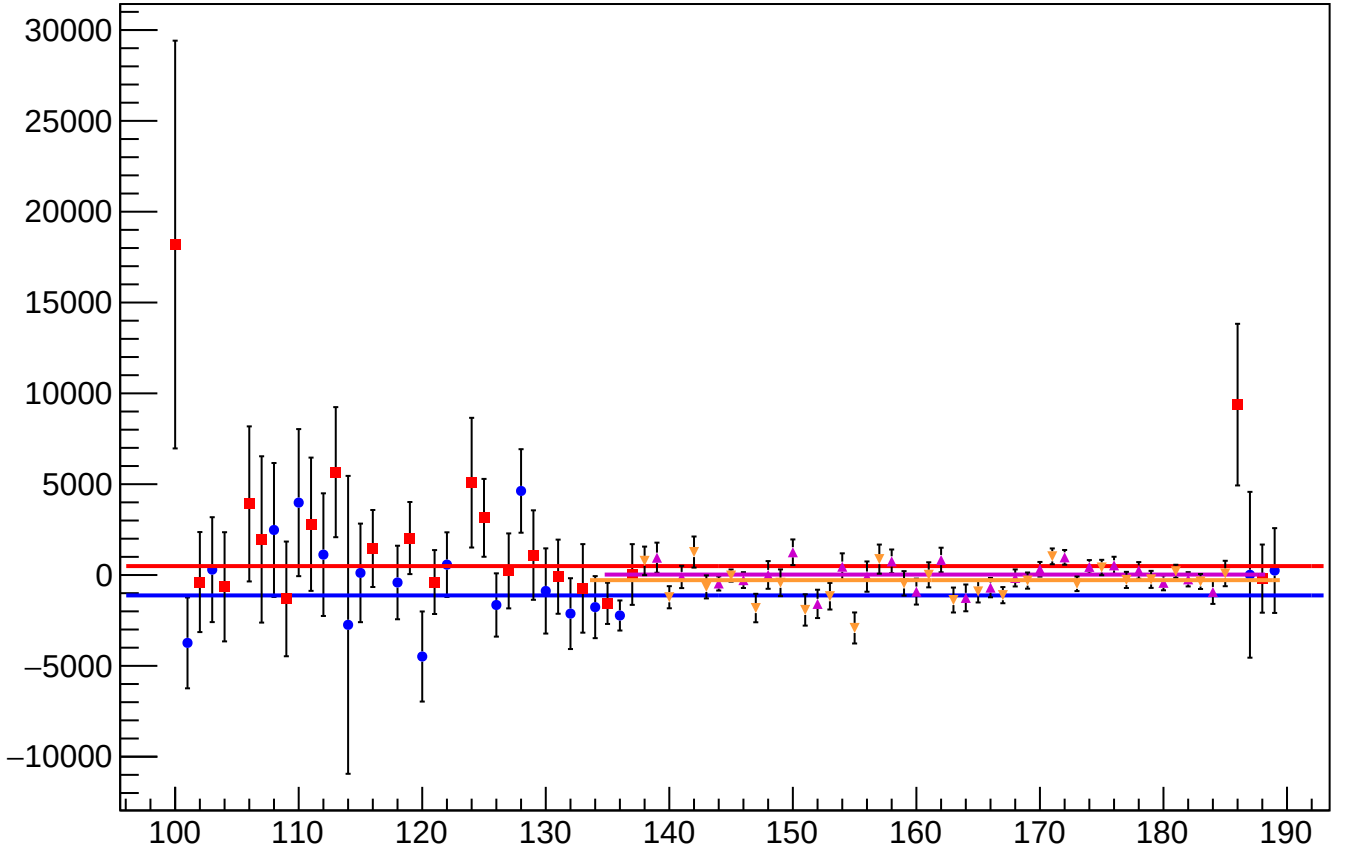
Right: 148.414+/-0.027 χ^2/NDF: 3776966.4/38

In: 104.472+/-0.015 χ^2/NDF:3486528.4/40

Out: 104.681+/-0.015 χ^2/NDF:4893151.5/45

All: 104.579+/-0.011 χ^2/NDF: 8379778.8/86

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1122.784+/-478.197 χ^2/NDF: 16.4/17

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 491.627+/-501.318 χ^2/NDF: 18.4/20

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

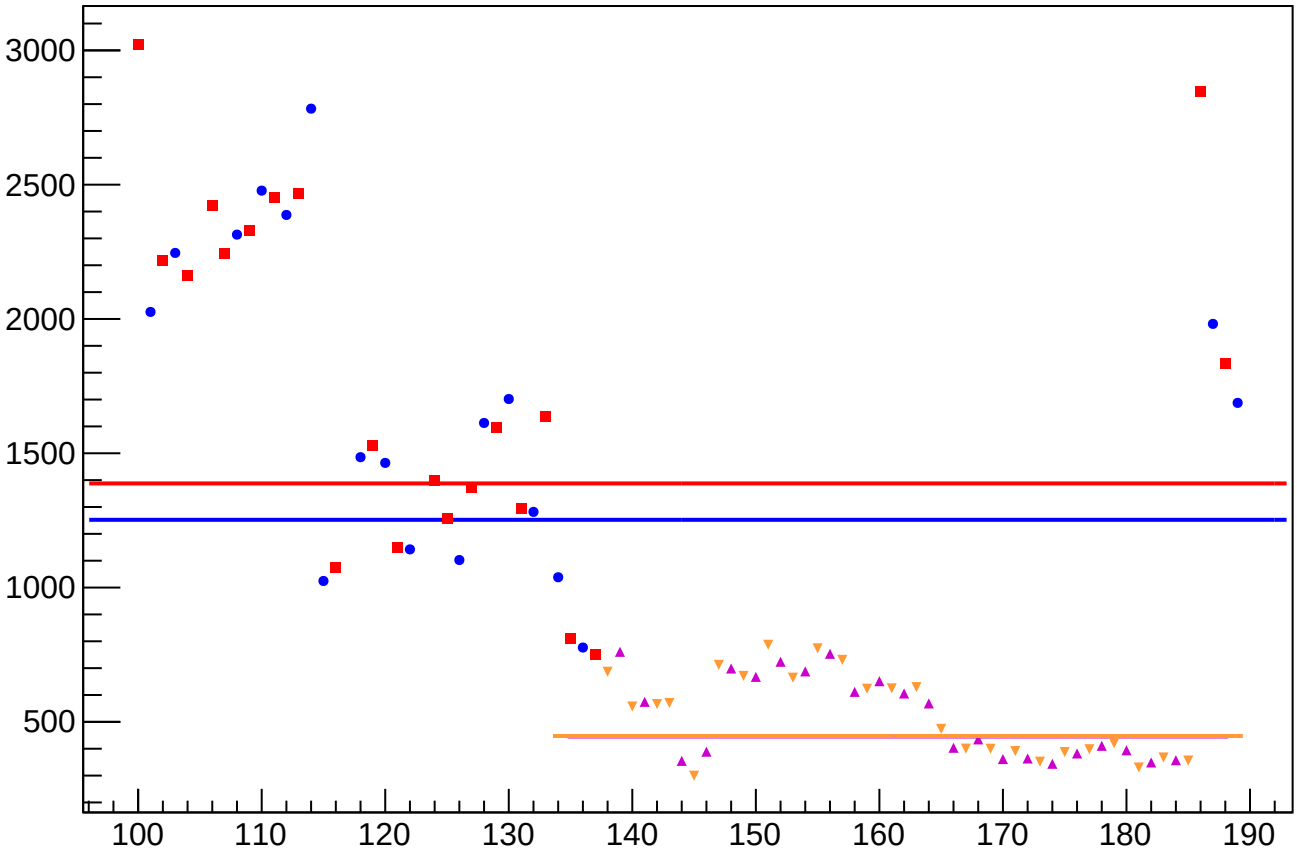
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -353.666+/-346.022 χ^2/NDF: 40.2/38

In: -31.930+/-106.166 χ^2/NDF:54.8/40

Out: -249.061+/-104.076 χ^2/NDF:71.1/45

All: -142.654+/-74.321 χ^2/NDF: 128.1/86



Right In: 1252.226+/-0.338 χ^2/NDF: 2086447.3/17

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1387.721+/-0.354 χ^2/NDF: 2344578.9/20

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

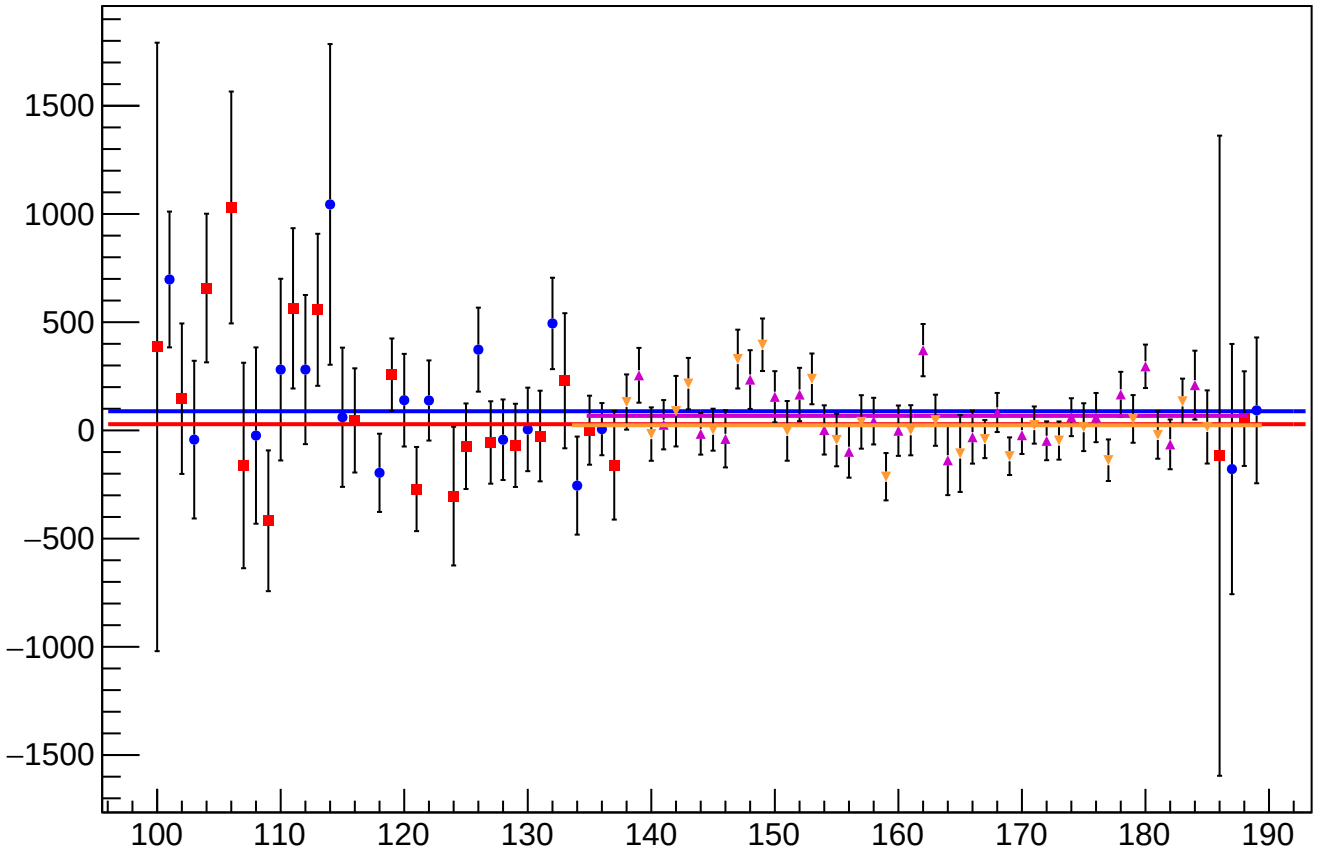
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1316.777+/-0.245 χ^2/NDF: 4507522.6/38

In: 485.255+/-0.075 χ^2/NDF:10211347.1/40

Out: 487.914+/-0.074 χ^2/NDF:12275755.7/45

All: 486.611+/-0.053 χ^2/NDF: 22487742.4/86



Right In: 88.553+/-54.579 χ^2/NDF: 18.3/17

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 28.704+/-55.133 χ^2/NDF: 20.6/20

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

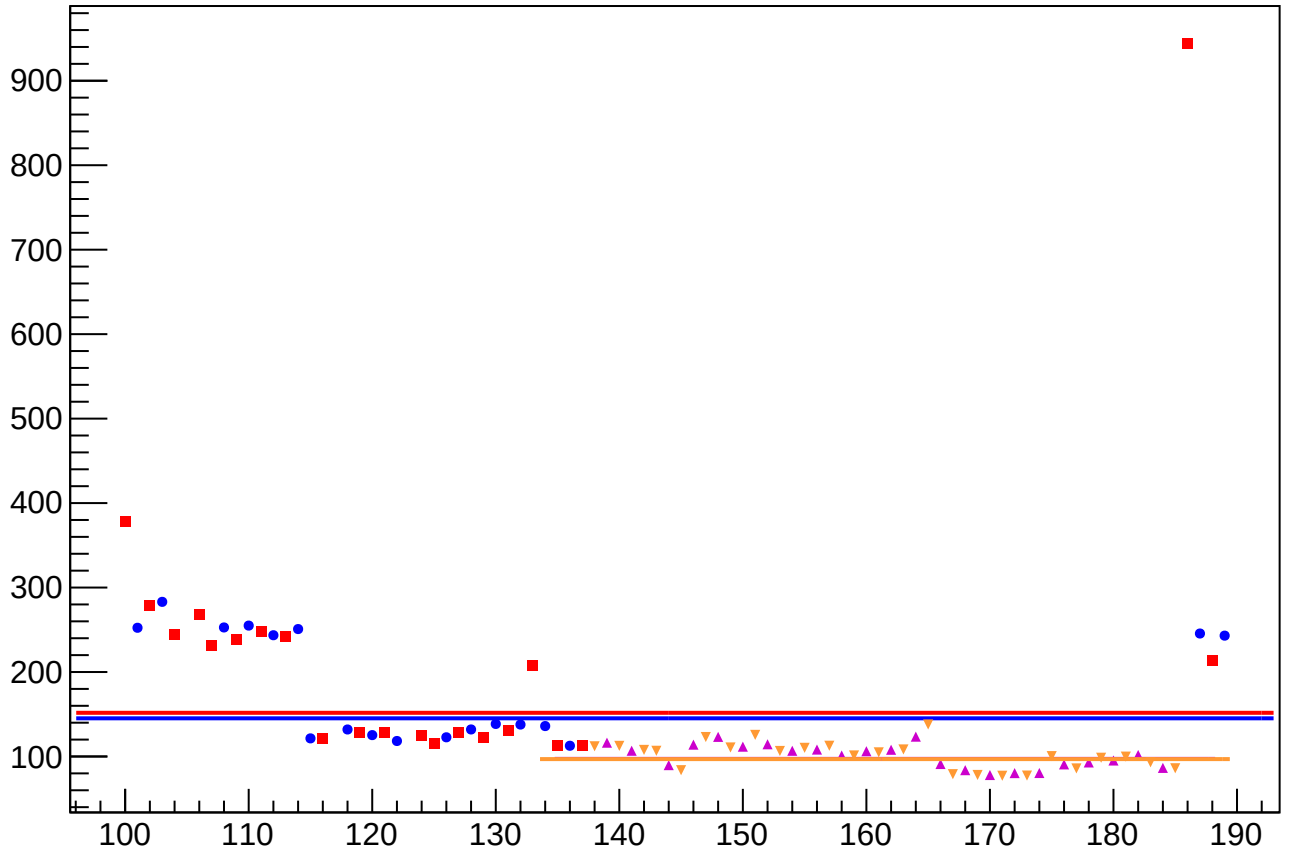
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 58.931+/-38.787 χ^2/NDF: 39.5/38

In: 70.352+/-21.289 χ^2/NDF:47.1/40

Out: 24.557+/-20.764 χ^2/NDF:55.8/45

All: 46.882+/-14.865 χ^2/NDF: 105.2/86


eigen_dit_asym_sam_26_avg_rms vs Slug, Sign Corrected
900
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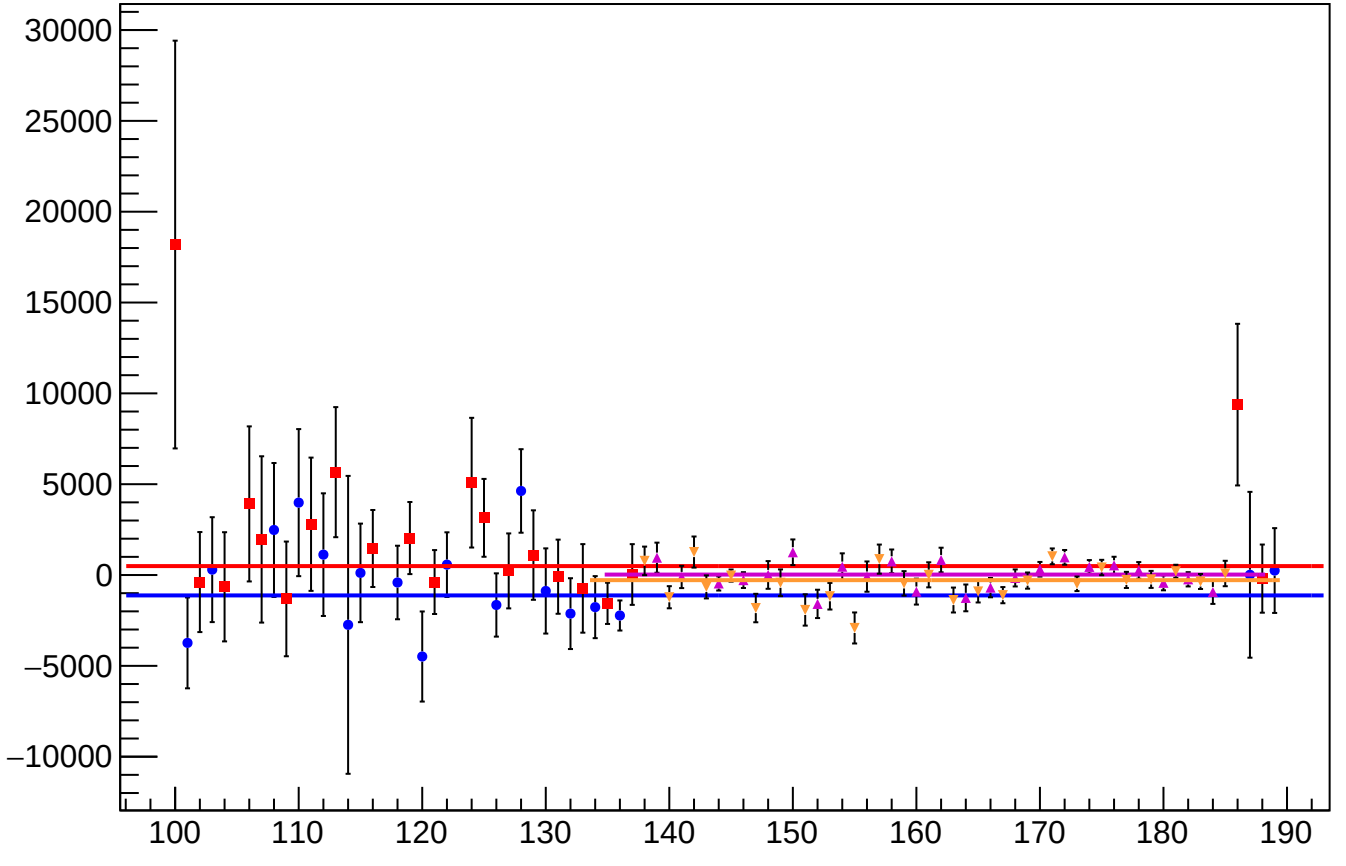
170
180
190
Right In: 145.176+/-0.039 χ²/NDF: 1499886.2/17
Left Out: 96.907+/-0.016 χ²/NDF:933979.3/24
Right Out: 151.718+/-0.039 χ²/NDF: 2262839.2/20
Left In: 97.168+/-0.016 χ²/NDF:674586.0/22
Left: 97.034+/-0.011 χ²/NDF: 1608696.0/47
Right: 148.414+/-0.027 χ²/NDF: 3776946.8/38
In: 104.472+/-0.015 χ²/NDF:3486460.9/40
Out: 104.682+/-0.015 χ²/NDF:4893106.4/45
All: 104.580+/-0.011 χ²/NDF: 8379666.2/86

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1122.781+/-478.196 χ^2/NDF: 16.4/17

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 491.629+/-501.318 χ^2/NDF: 18.4/20

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

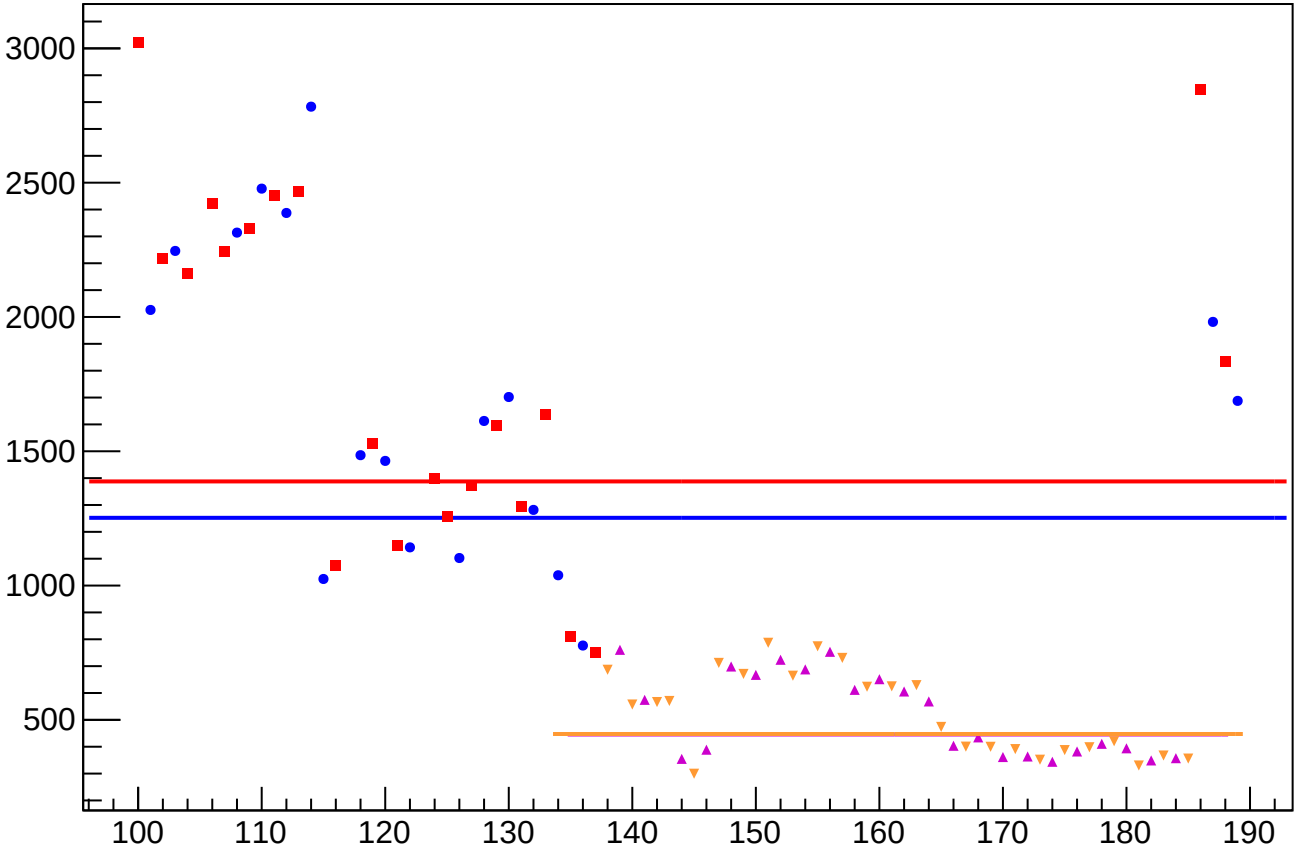
Right: -353.663+/-346.021 χ^2/NDF: 40.2/38

In: -31.930+/-106.166 χ^2/NDF:54.8/40

Out: -249.060+/-104.076 χ^2/NDF:71.1/45

All: -142.653+/-74.321 χ^2/NDF: 128.1/86

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1252.225+/-0.338 χ^2/NDF: 2086426.9/17

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1387.720+/-0.354 χ^2/NDF: 2344562.9/20

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

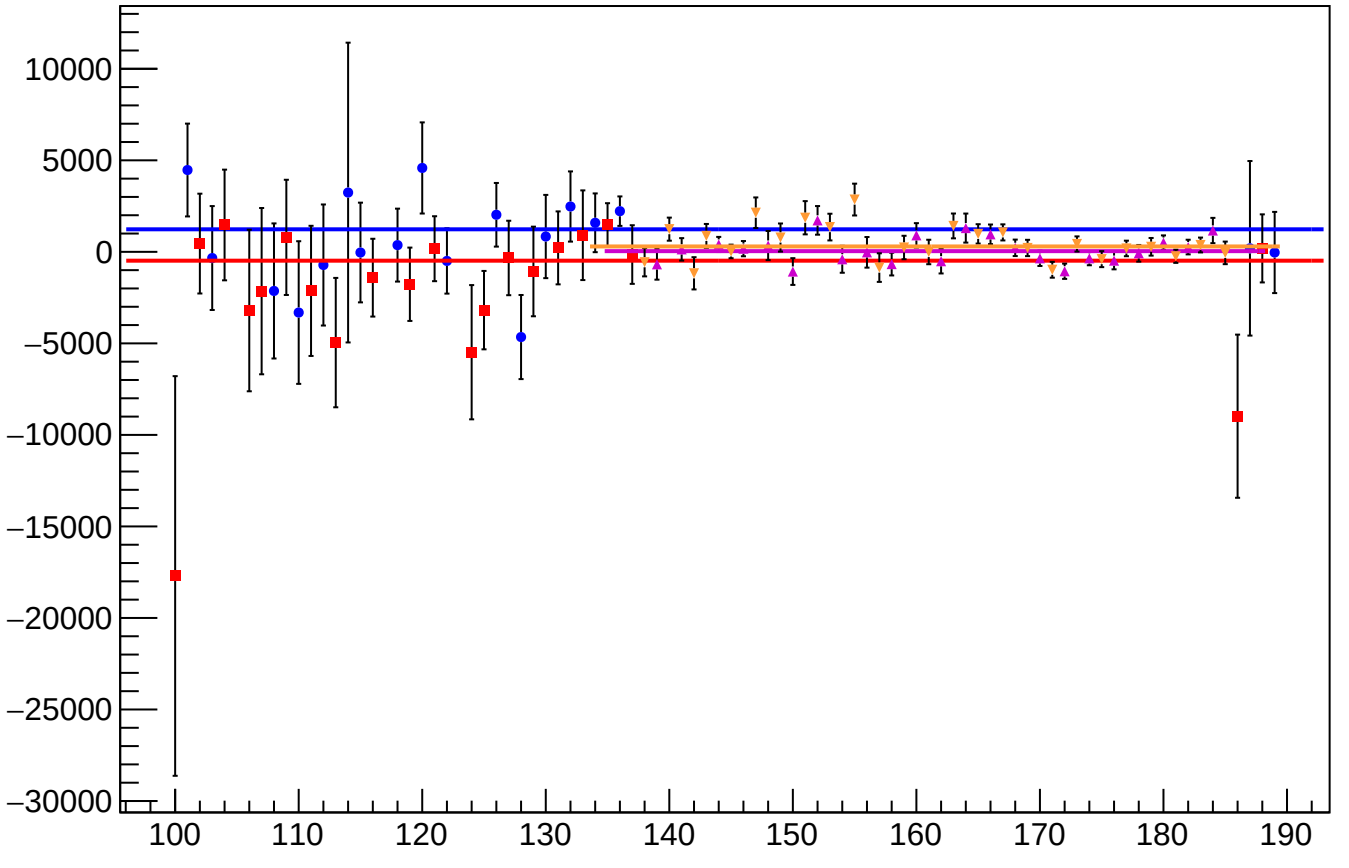
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1316.776+/-0.245 χ^2/NDF: 4507486.2/38

In: 485.255+/-0.075 χ^2/NDF:10211344.9/40

Out: 487.914+/-0.074 χ^2/NDF:12275771.8/45

All: 486.611+/-0.053 χ^2/NDF: 22487756.2/86



Right In: 1231.234+/-468.689 χ^2/NDF: 16.9/17

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -482.542+/-501.608 χ^2/NDF: 16.8/20

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

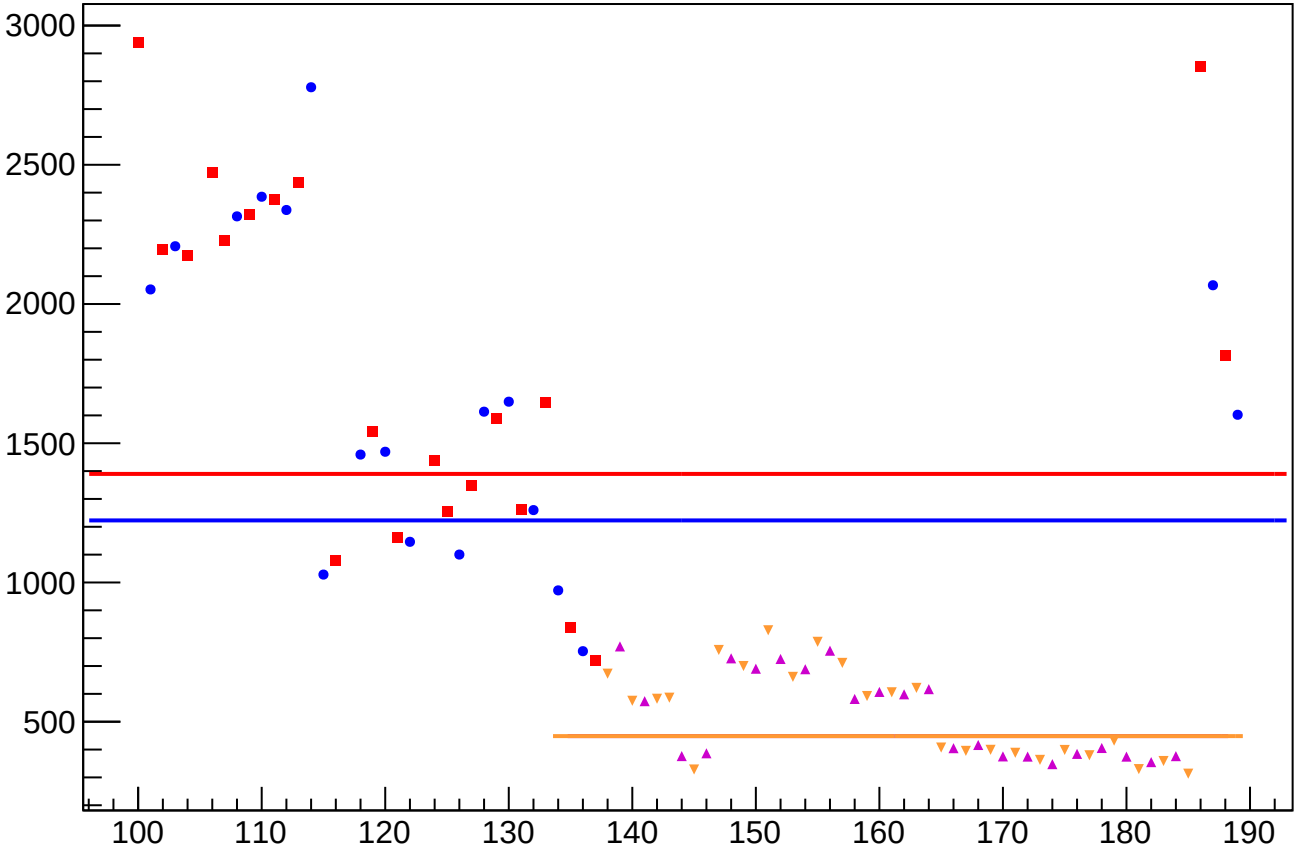
Right: 432.423+/-342.460 χ^2/NDF: 39.9/38

In: 99.663+/-106.458 χ^2/NDF:55.9/40

Out: 261.281+/-104.468 χ^2/NDF:69.6/45

All: 181.997+/-74.564 χ^2/NDF: 126.7/86

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1222.892+/-0.331 χ^2/NDF: 2159019.7/17

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1389.867+/-0.355 χ^2/NDF: 2292866.3/20

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

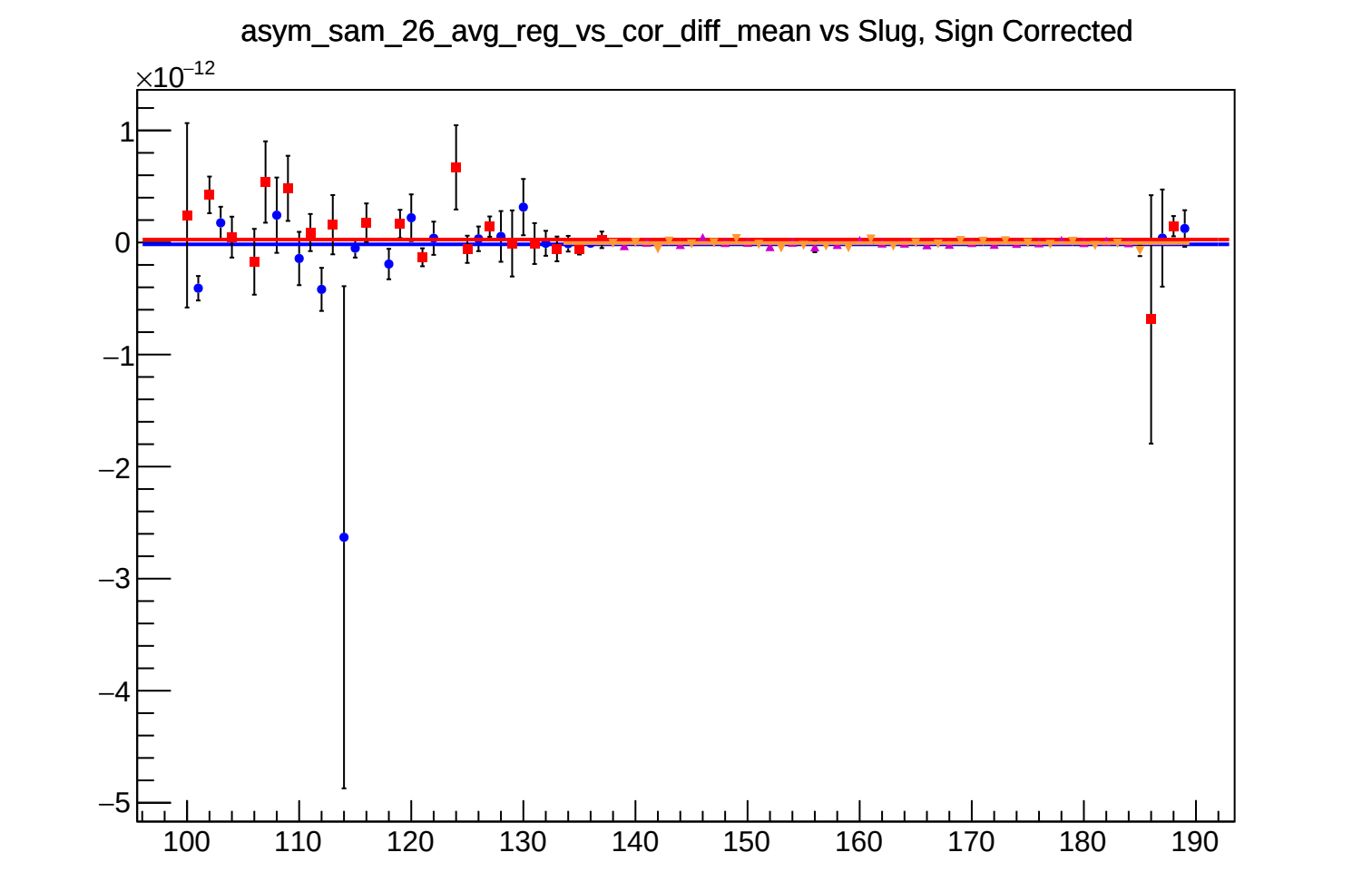
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1300.721+/-0.242 χ^2/NDF: 4570205.0/38

In: 488.355+/-0.075 χ^2/NDF:9959340.9/40

Out: 489.119+/-0.074 χ^2/NDF:12191413.3/45

All: 488.745+/-0.053 χ^2/NDF: 22150806.6/86



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/20

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

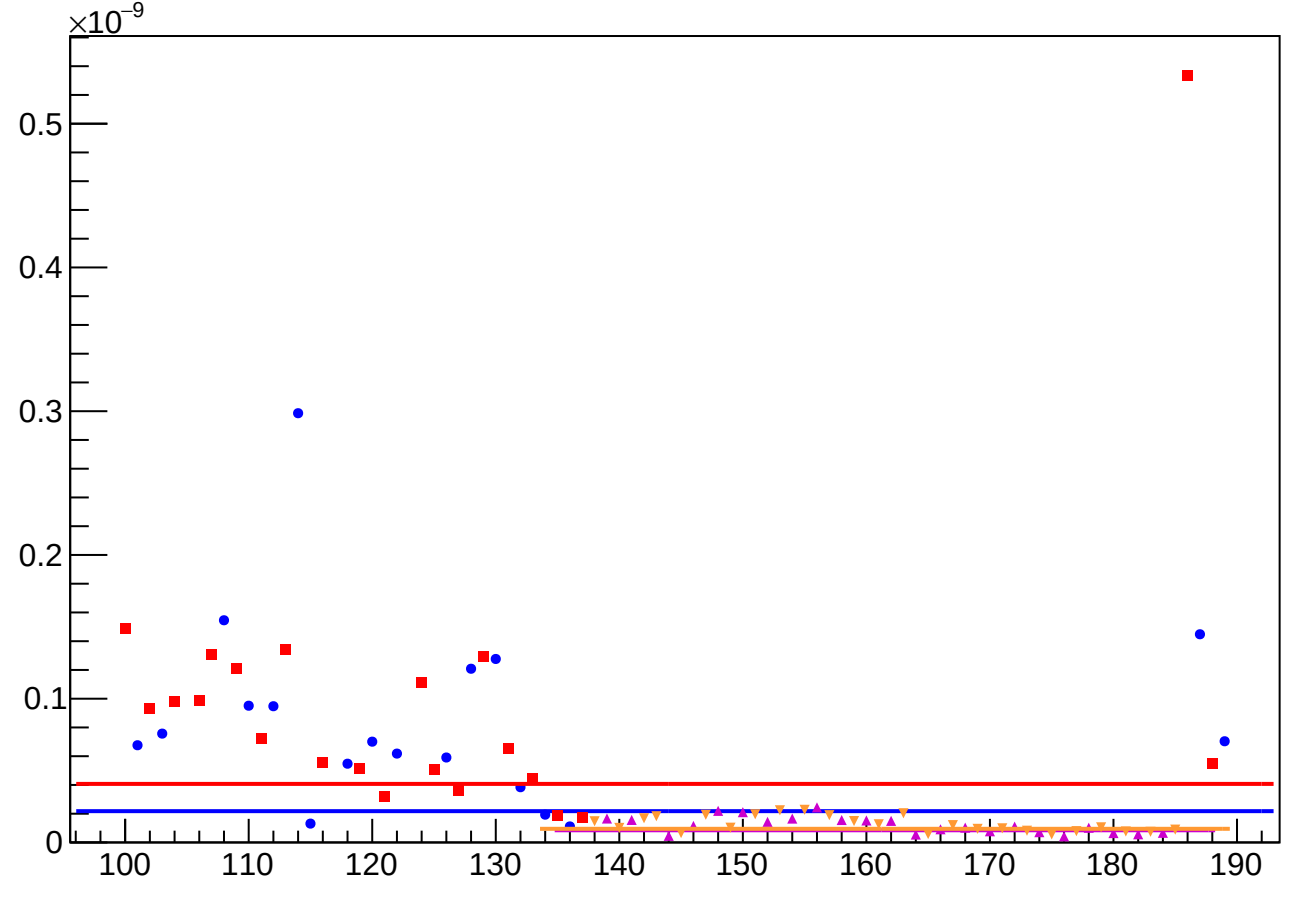
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 57.3/38

In: -0.000+/-0.000 χ^2/NDF:44.8/40

Out: -0.000+/-0.000 χ^2/NDF:52.4/45

All: -0.000+/-0.000 χ^2/NDF: 97.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 3723508.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2527899.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

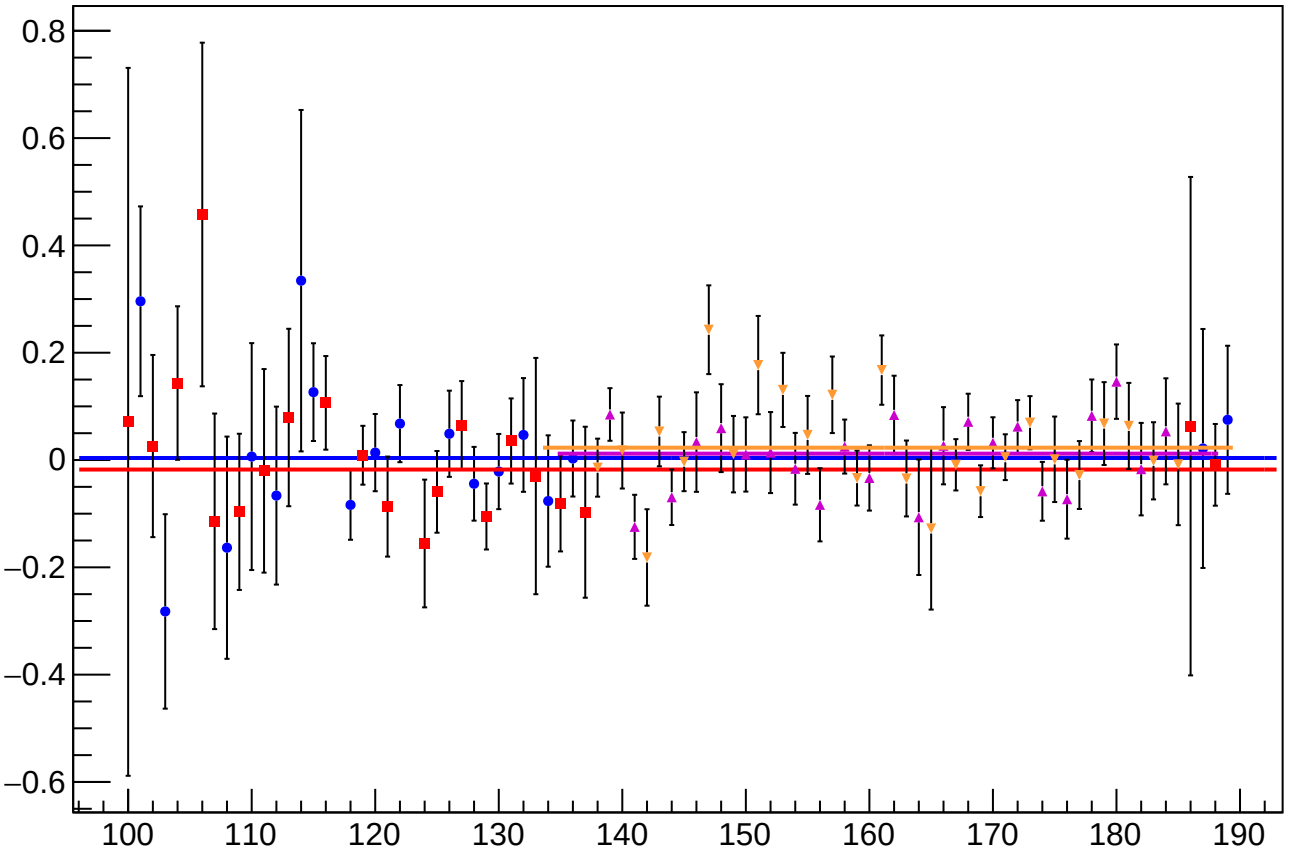
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6964348.8/38

In: 0.000+/-0.000 χ^2/NDF:7544372.0/40

Out: 0.000+/-0.000 χ^2/NDF:7696102.7/45

All: 0.000+/-0.000 χ^2/NDF: 15326217.1/86



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

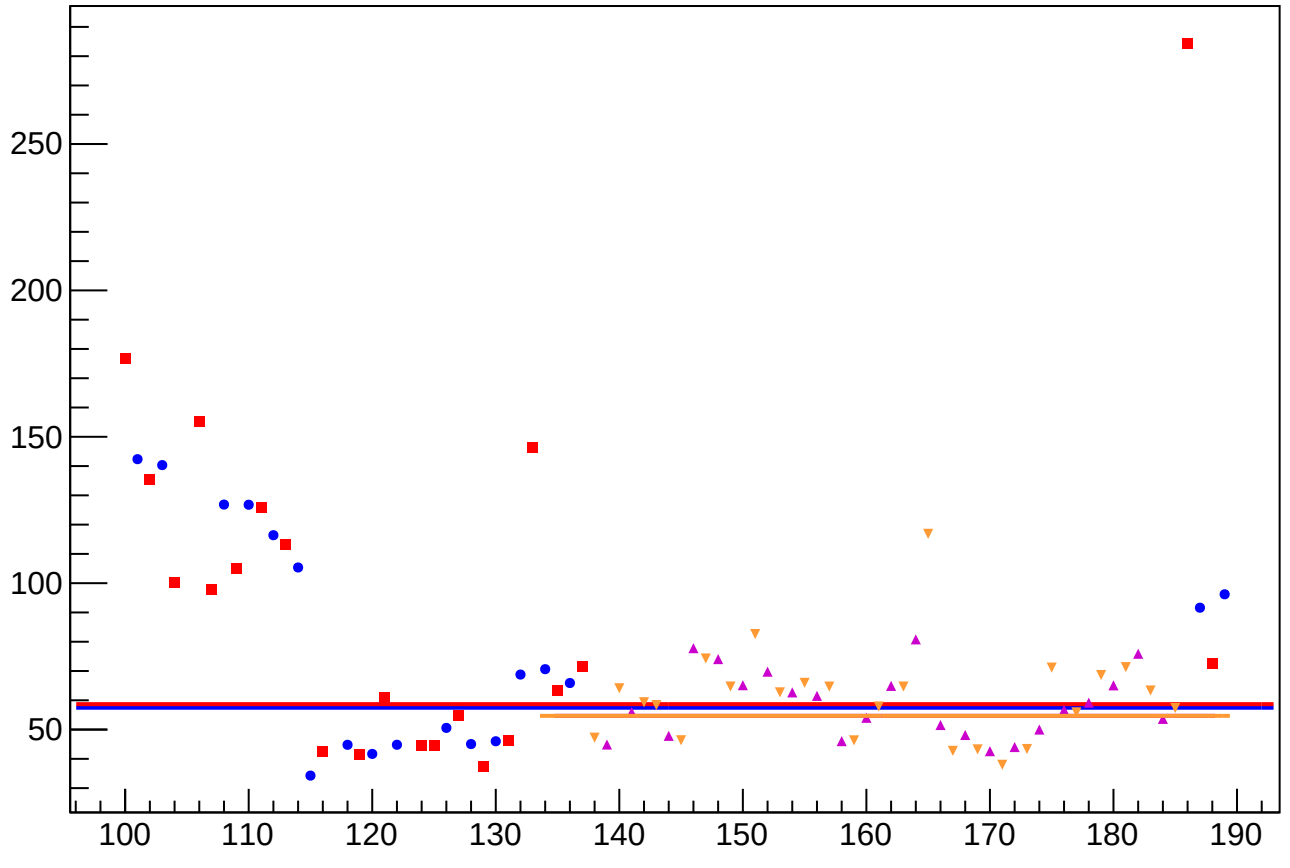
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.007+/-0.016 χ^2/NDF: 27.0/38

In: 0.010+/-0.011 χ^2/NDF:39.3/40

Out: 0.013+/-0.011 χ^2/NDF:49.8/45

All: 0.011+/-0.008 χ^2/NDF: 89.2/86



Right In: 57.461+/-0.016 χ^2/NDF: 2392621.4/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.684+/-0.016 χ^2/NDF: 3105841.4/20

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

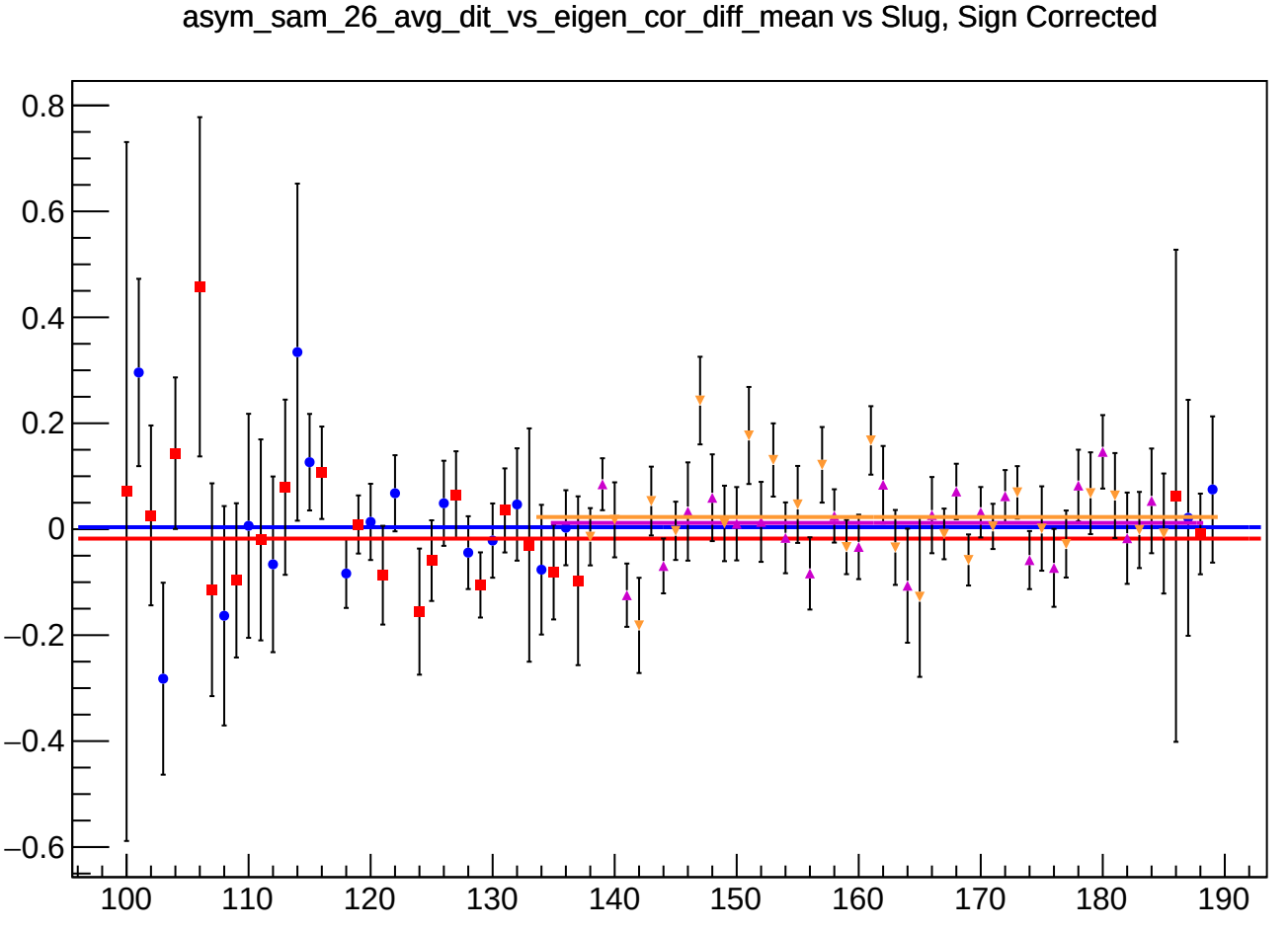
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 58.087+/-0.011 χ^2/NDF: 5501360.6/38

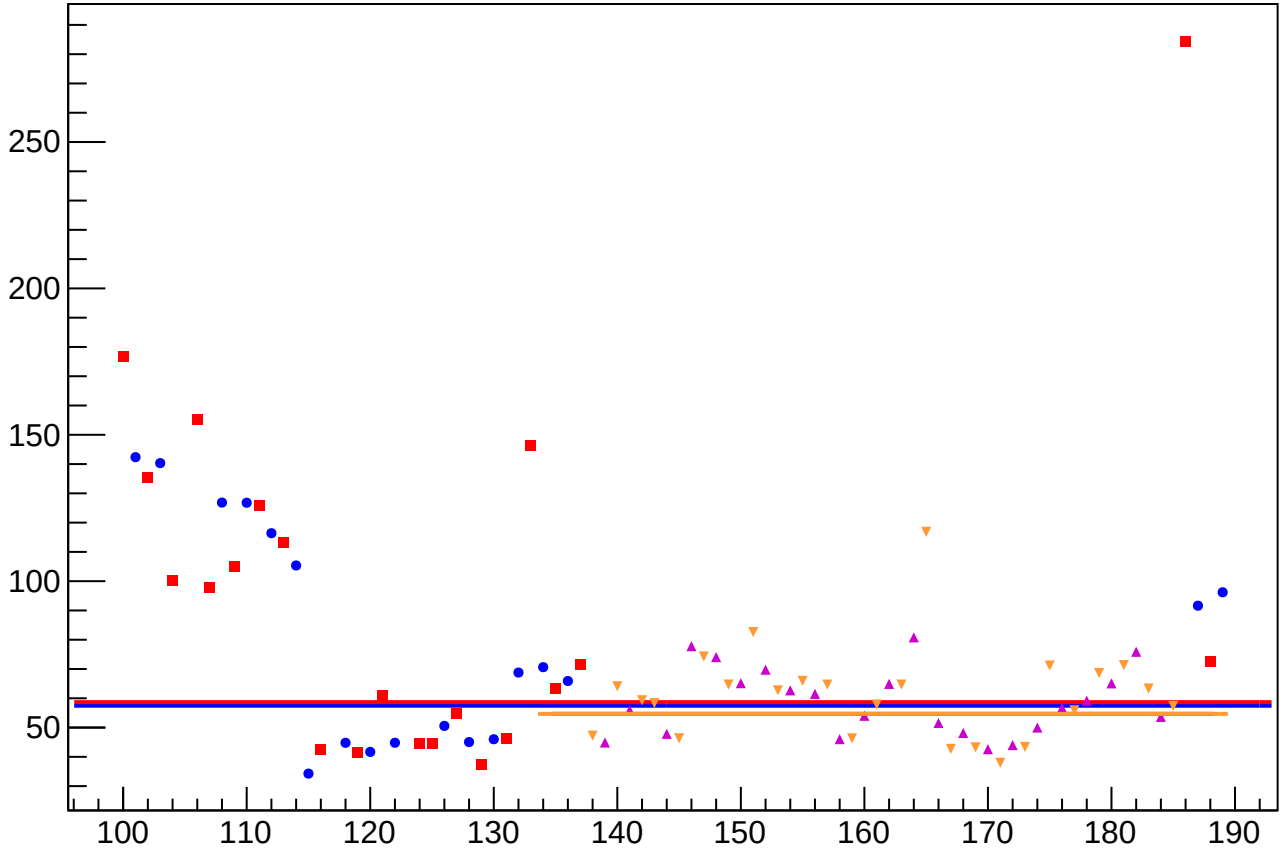
In: 55.381+/-0.008 χ^2/NDF:3605283.3/40

Out: 55.682+/-0.008 χ^2/NDF:5090045.6/45

All: 55.535+/-0.006 χ^2/NDF: 8696031.6/86


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: 0.004+/-0.023 χ²/NDF: 13.4/17
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.018+/-0.022 χ²/NDF: 13.1/20
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: -0.007+/-0.016 χ²/NDF: 27.0/38
In: 0.010+/-0.011 χ²/NDF:39.3/40
Out: 0.013+/-0.011 χ²/NDF:49.8/45
All: 0.011+/-0.008 χ²/NDF: 89.2/86

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.461+/-0.016 χ^2/NDF: 2392621.4/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.684+/-0.016 χ^2/NDF: 3105841.4/20

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

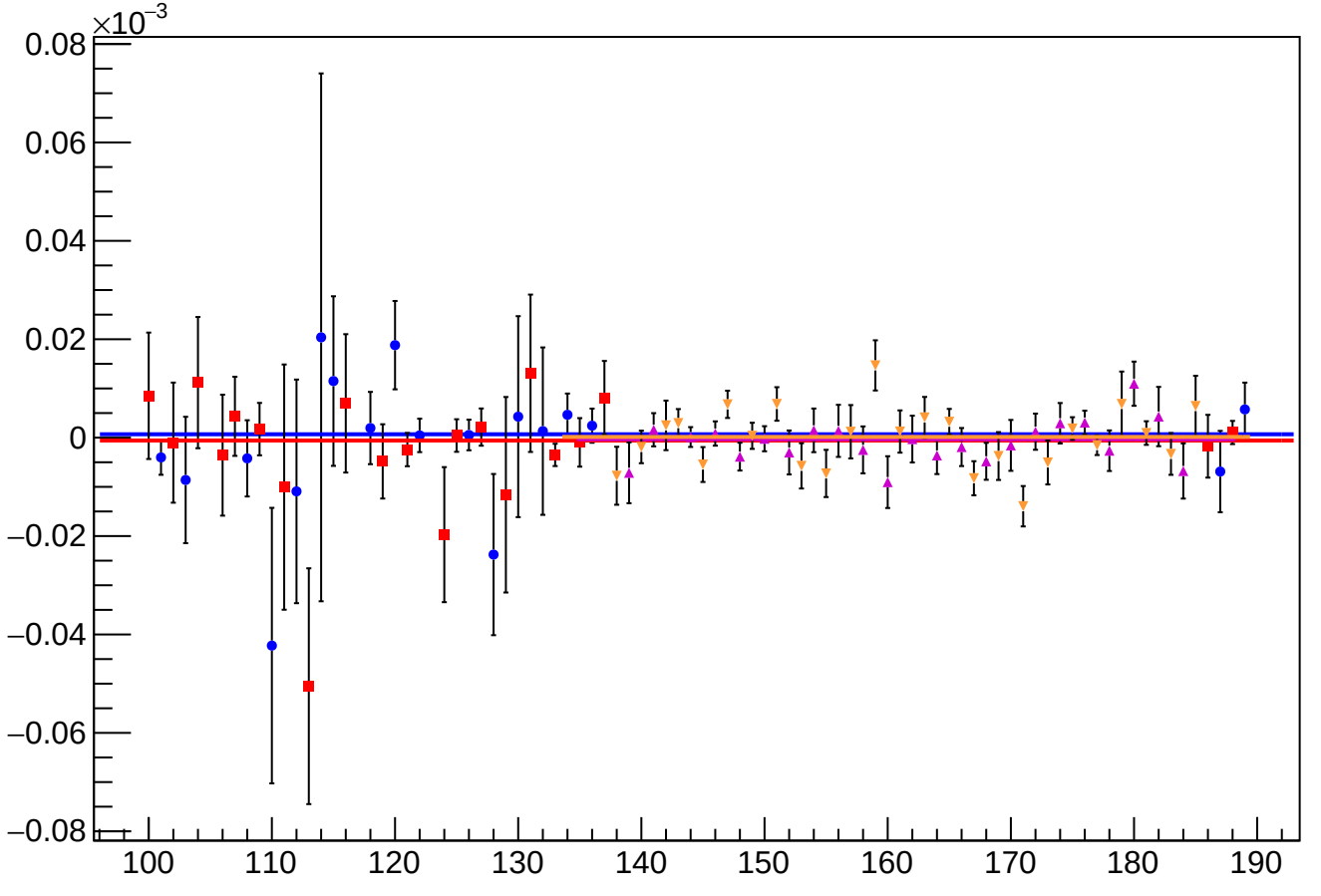
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 58.087+/-0.011 χ^2/NDF: 5501360.6/38

In: 55.381+/-0.008 χ^2/NDF:3605283.3/40

Out: 55.682+/-0.008 χ^2/NDF:5090045.6/45

All: 55.535+/-0.006 χ^2/NDF: 8696031.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.4/20

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

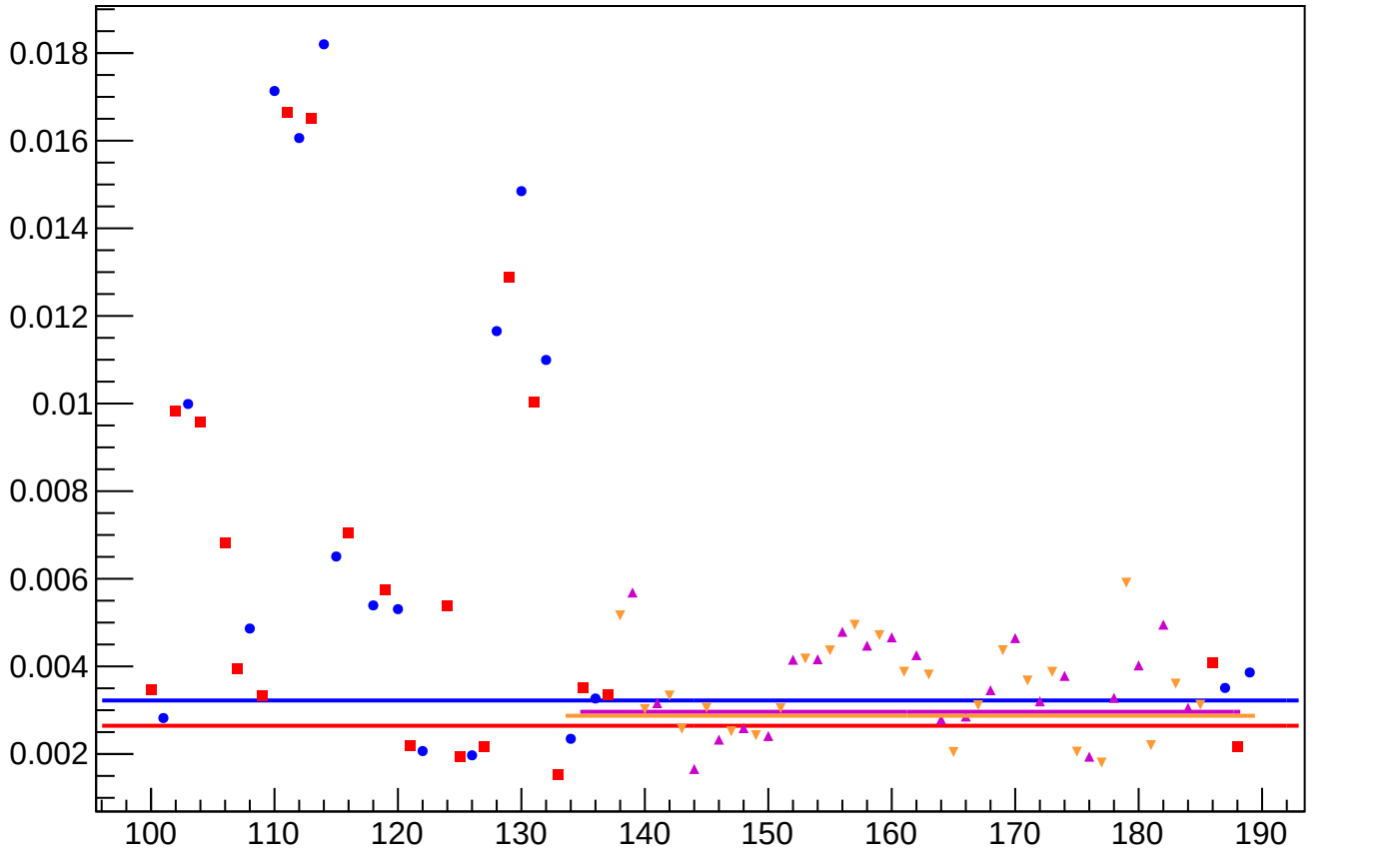
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

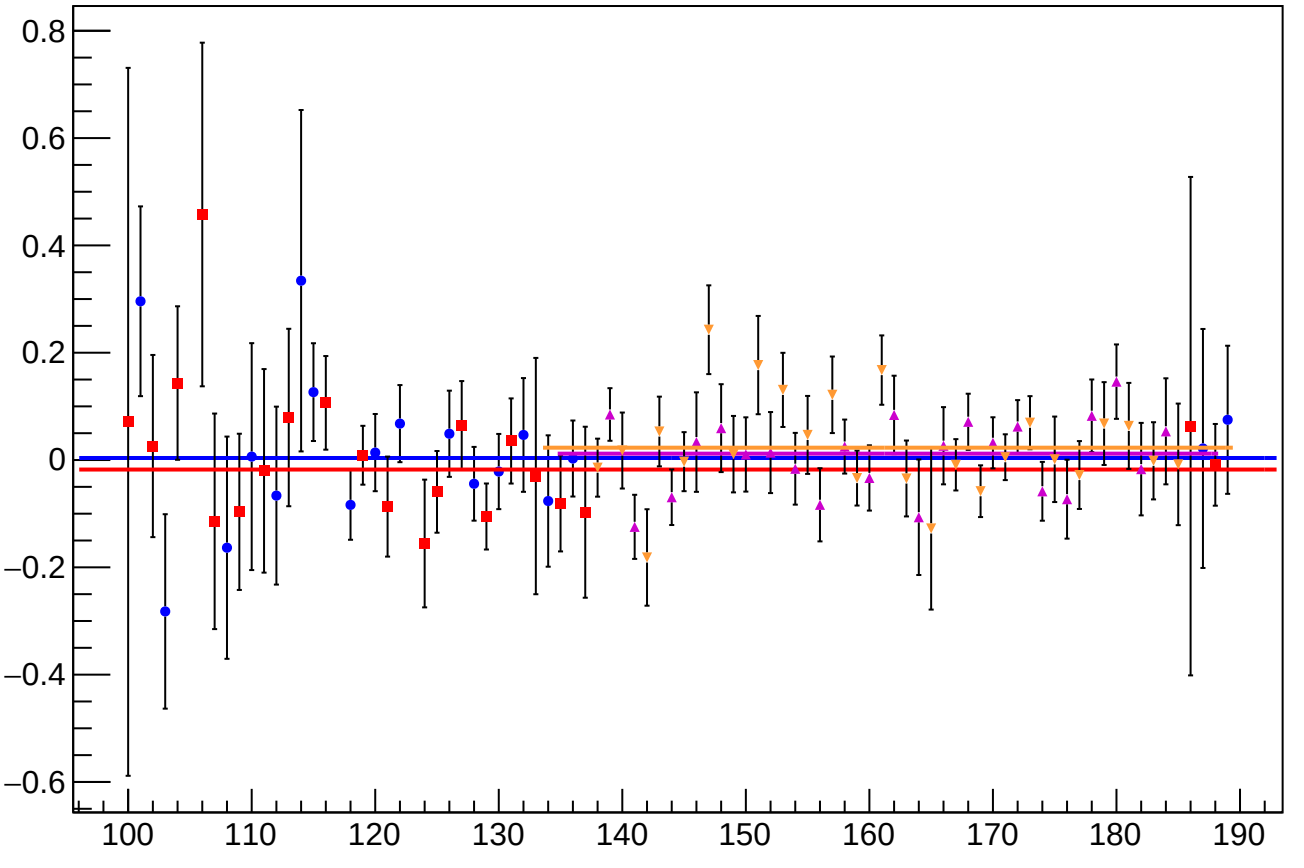
Right: -0.000+/-0.000 χ^2/NDF: 30.0/38

In: -0.000+/-0.000 χ^2/NDF:36.1/40

Out: -0.000+/-0.000 χ^2/NDF:68.5/45

All: -0.000+/-0.000 χ^2/NDF: 104.6/86


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.003+/-0.000 χ²/NDF: 4578324.5/17
Left Out: 0.003+/-0.000 χ²/NDF:3602368.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 5342583.7/20
Left In: 0.003+/-0.000 χ²/NDF:3619016.3/22
Left: 0.003+/-0.000 χ²/NDF: 7237301.1/47
Right: 0.003+/-0.000 χ²/NDF: 10134479.6/38
In: 0.003+/-0.000 χ²/NDF:8251572.9/40
Out: 0.003+/-0.000 χ²/NDF:9006137.7/45
All: 0.003+/-0.000 χ²/NDF: 17375698.0/86



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

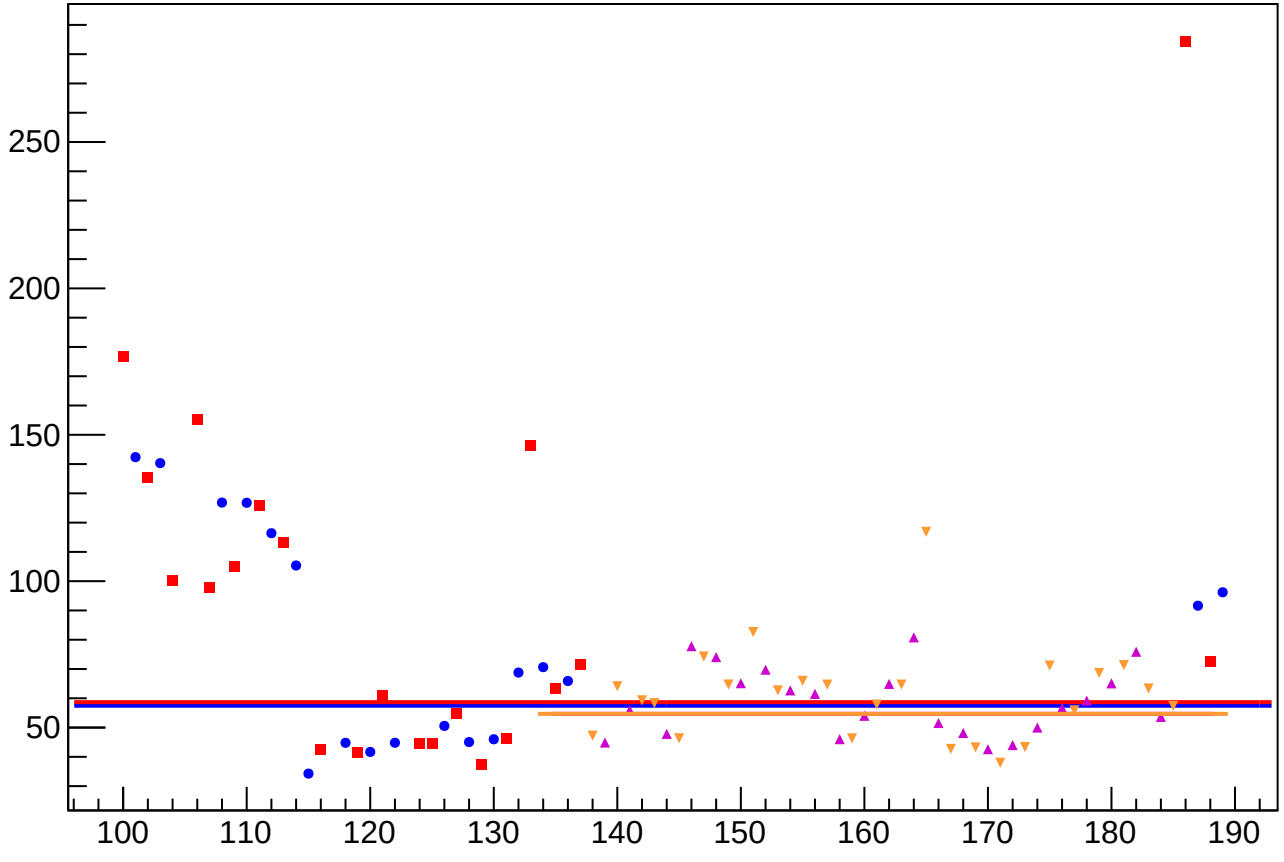
Right: -0.007+/-0.016 χ^2/NDF: 27.0/38

In: 0.010+/-0.011 χ^2/NDF:39.3/40

Out: 0.013+/-0.011 χ^2/NDF:49.8/45

All: 0.011+/-0.008 χ^2/NDF: 89.2/86

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.461+/-0.016 χ^2/NDF: 2392572.9/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 58.683+/-0.016 χ^2/NDF: 3105798.4/20

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

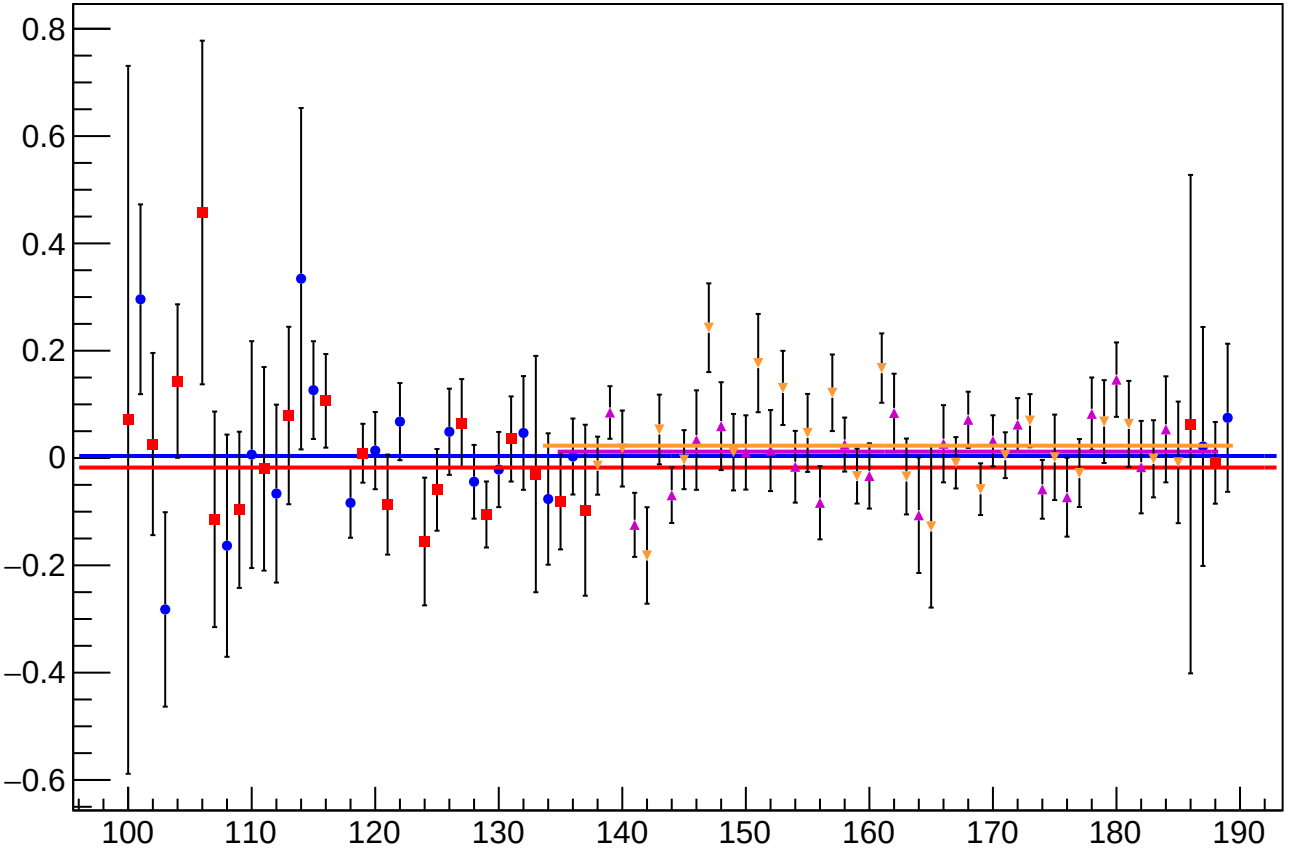
Right: 58.086+/-0.011 χ^2/NDF: 5501268.2/38

In: 55.382+/-0.008 χ^2/NDF:3605189.3/40

Out: 55.682+/-0.008 χ^2/NDF:5089976.0/45

All: 55.536+/-0.006 χ^2/NDF: 8695867.3/86

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.023 χ^2/NDF: 13.4/17

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

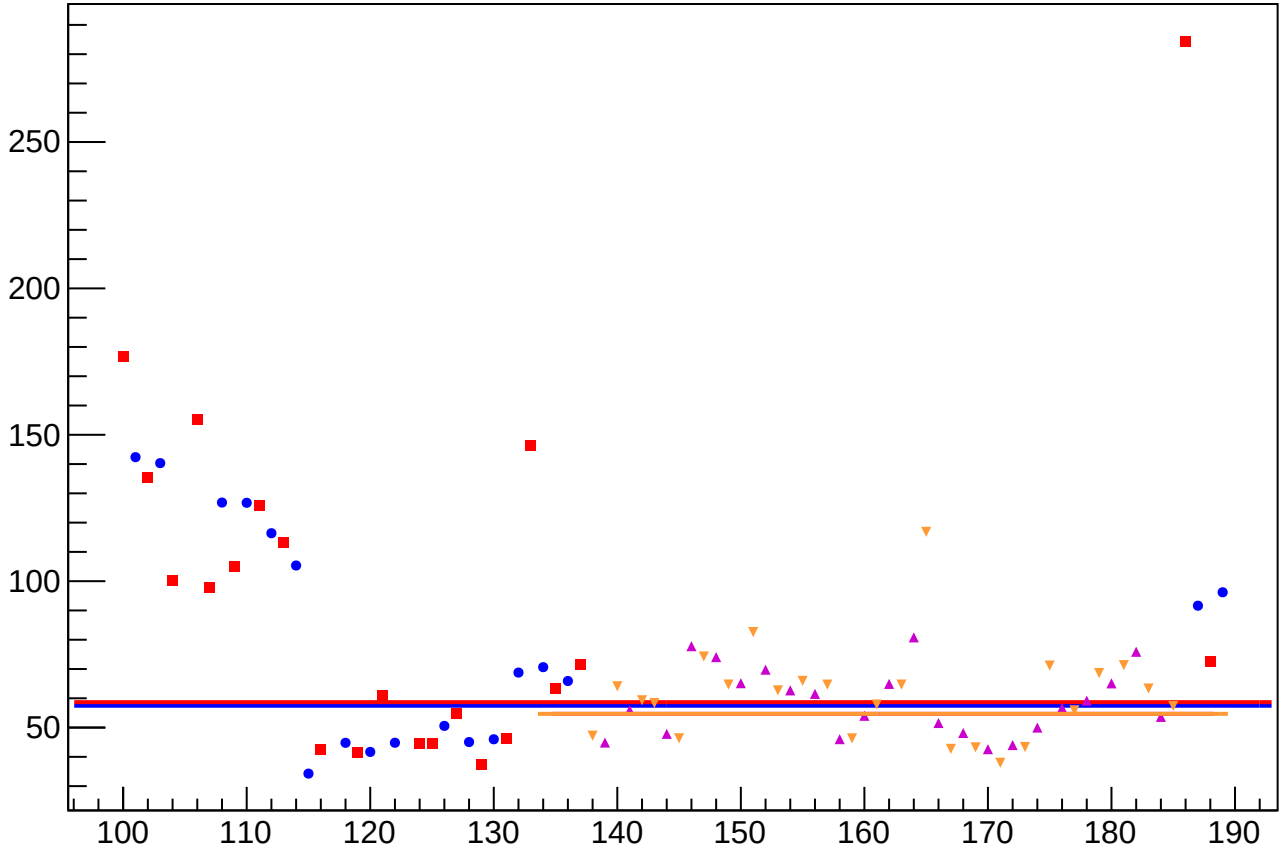
Right: -0.007+/-0.016 χ^2/NDF: 27.0/38

In: 0.010+/-0.011 χ^2/NDF:39.3/40

Out: 0.013+/-0.011 χ^2/NDF:49.8/45

All: 0.011+/-0.008 χ^2/NDF: 89.2/86

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.461+/-0.016 χ^2/NDF: 2392572.9/17

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 58.683+/-0.016 χ^2/NDF: 3105798.4/20

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

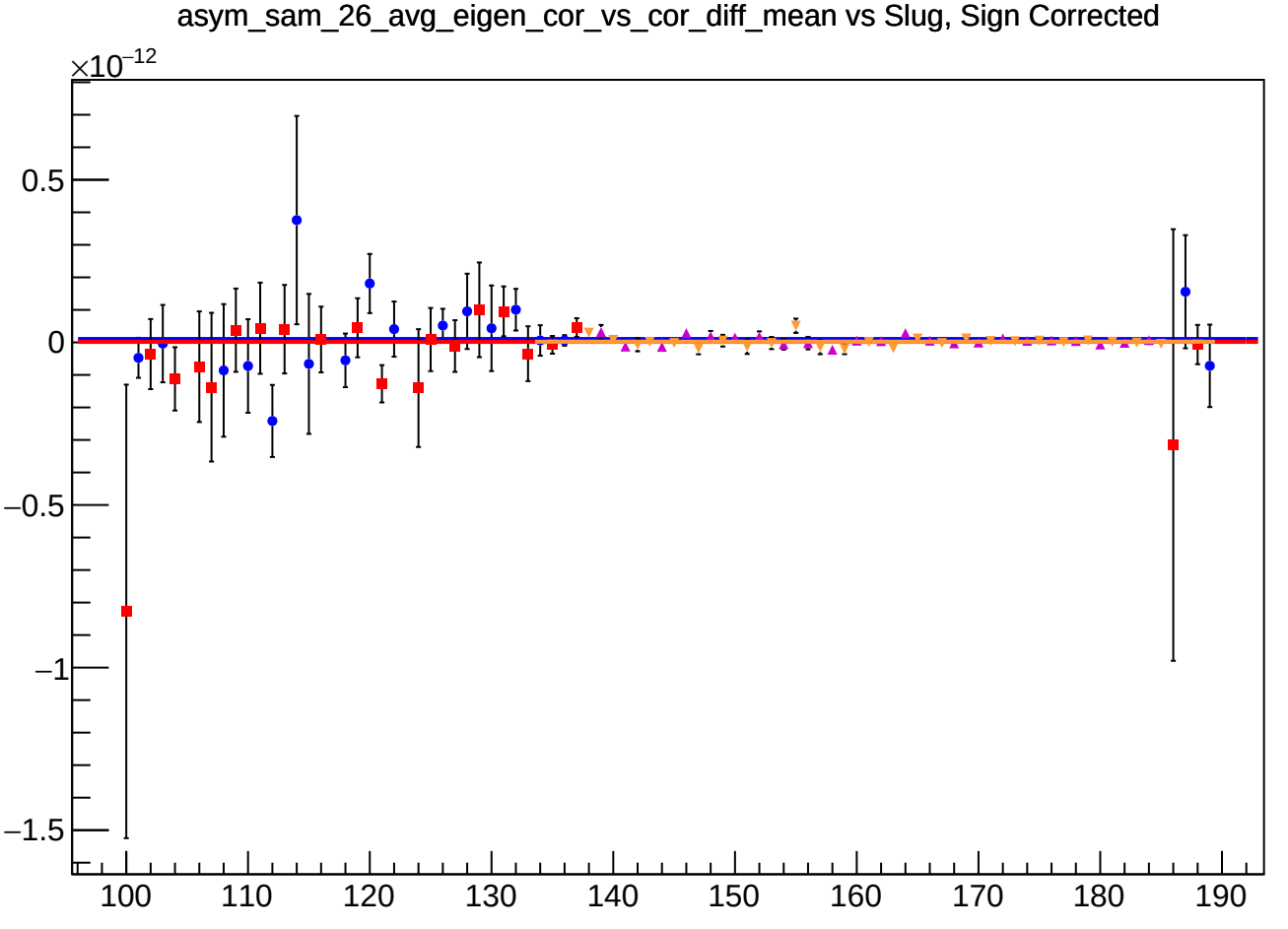
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 58.086+/-0.011 χ^2/NDF: 5501268.2/38

In: 55.382+/-0.008 χ^2/NDF:3605189.3/40

Out: 55.682+/-0.008 χ^2/NDF:5089976.0/45

All: 55.536+/-0.006 χ^2/NDF: 8695867.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/20

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

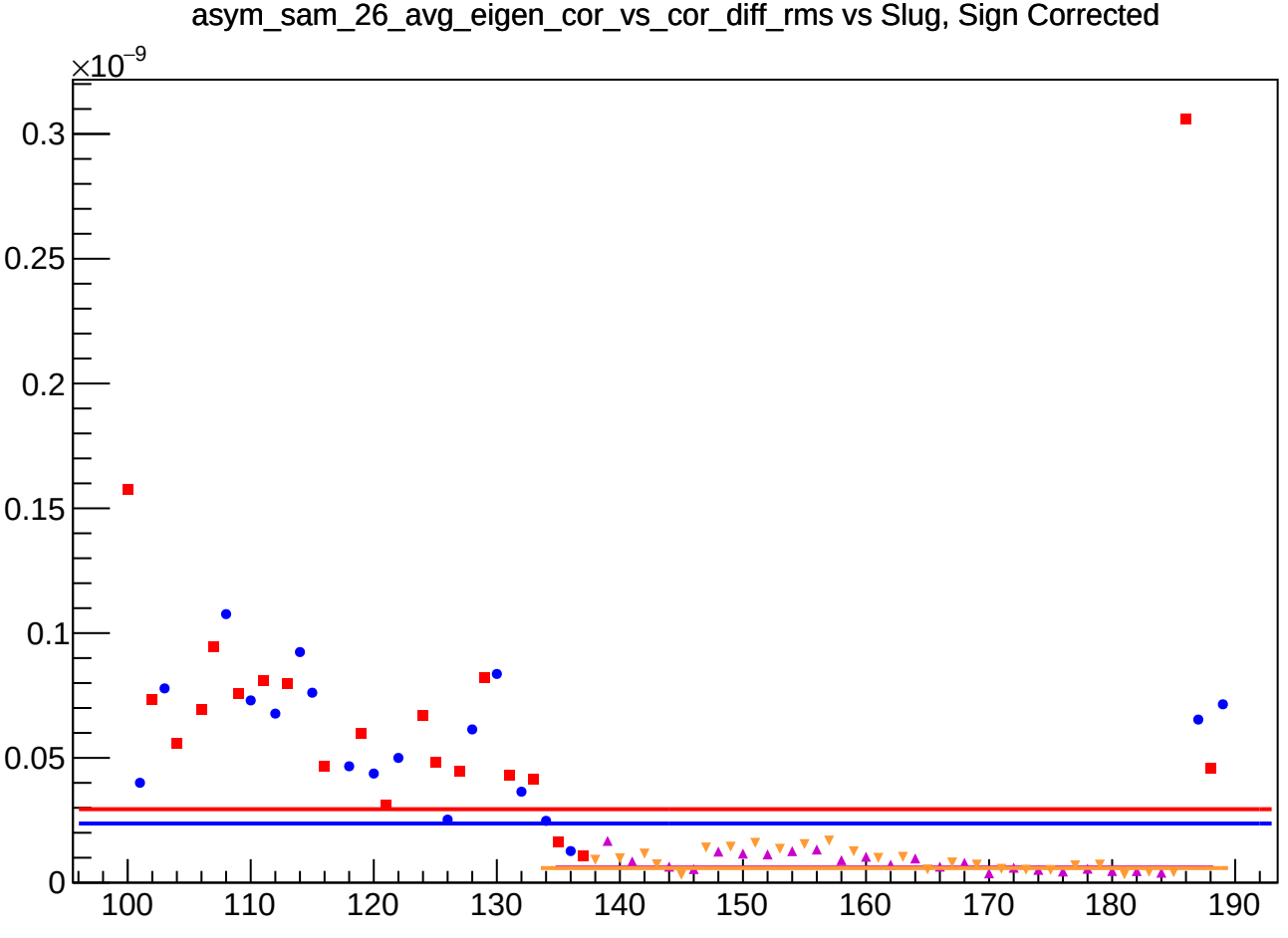
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 31.5/38

In: 0.000+/-0.000 χ^2/NDF:50.2/40

Out: 0.000+/-0.000 χ^2/NDF:35.2/45

All: 0.000+/-0.000 χ^2/NDF: 85.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 4136851.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4326004.6/20

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

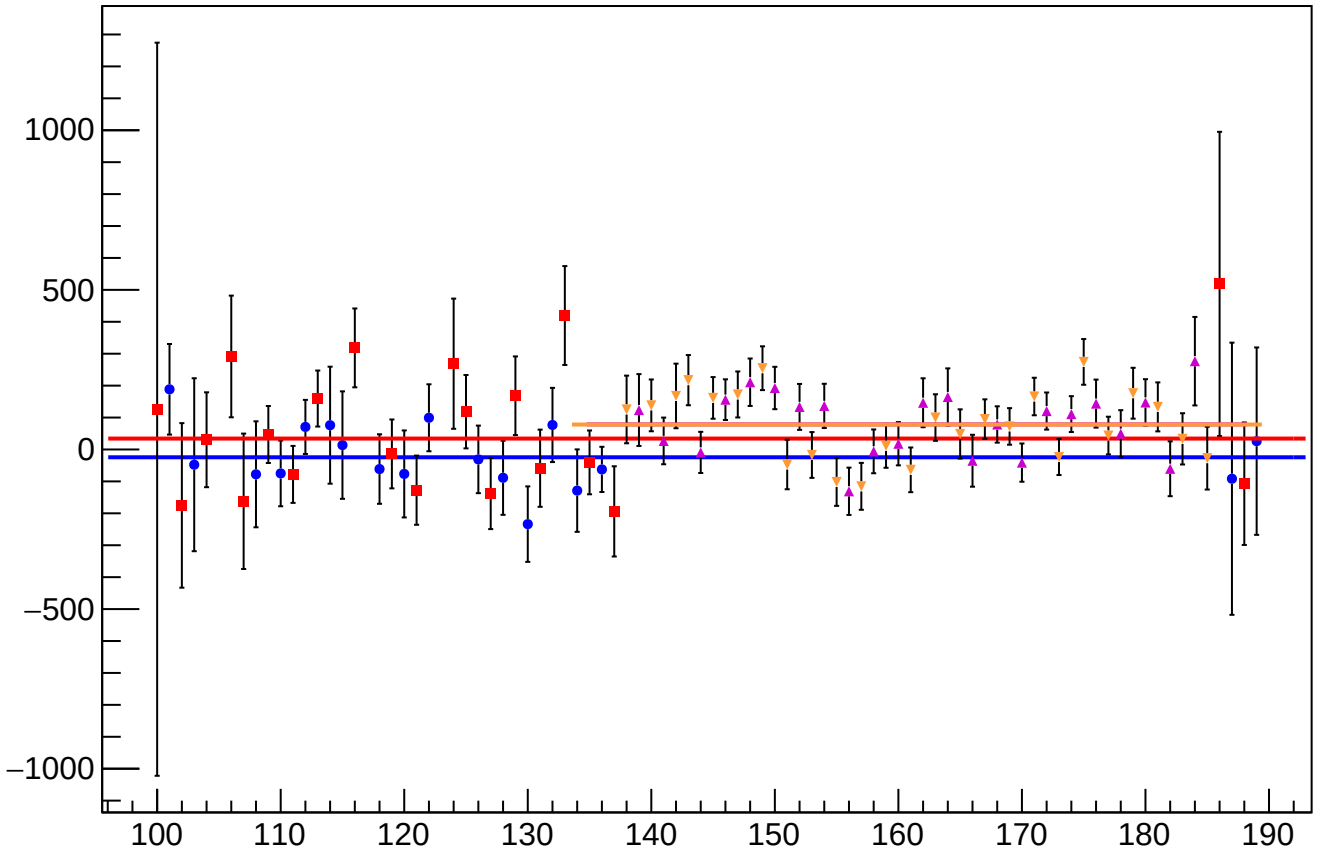
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8631593.8/38

In: 0.000+/-0.000 χ^2/NDF:11104579.4/40

Out: 0.000+/-0.000 χ^2/NDF:14730708.6/45

All: 0.000+/-0.000 χ^2/NDF: 25859558.4/86



Right In: -24.451+/-28.708 χ^2/NDF: 11.1/17

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 34.198+/-28.098 χ^2/NDF: 31.7/20

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

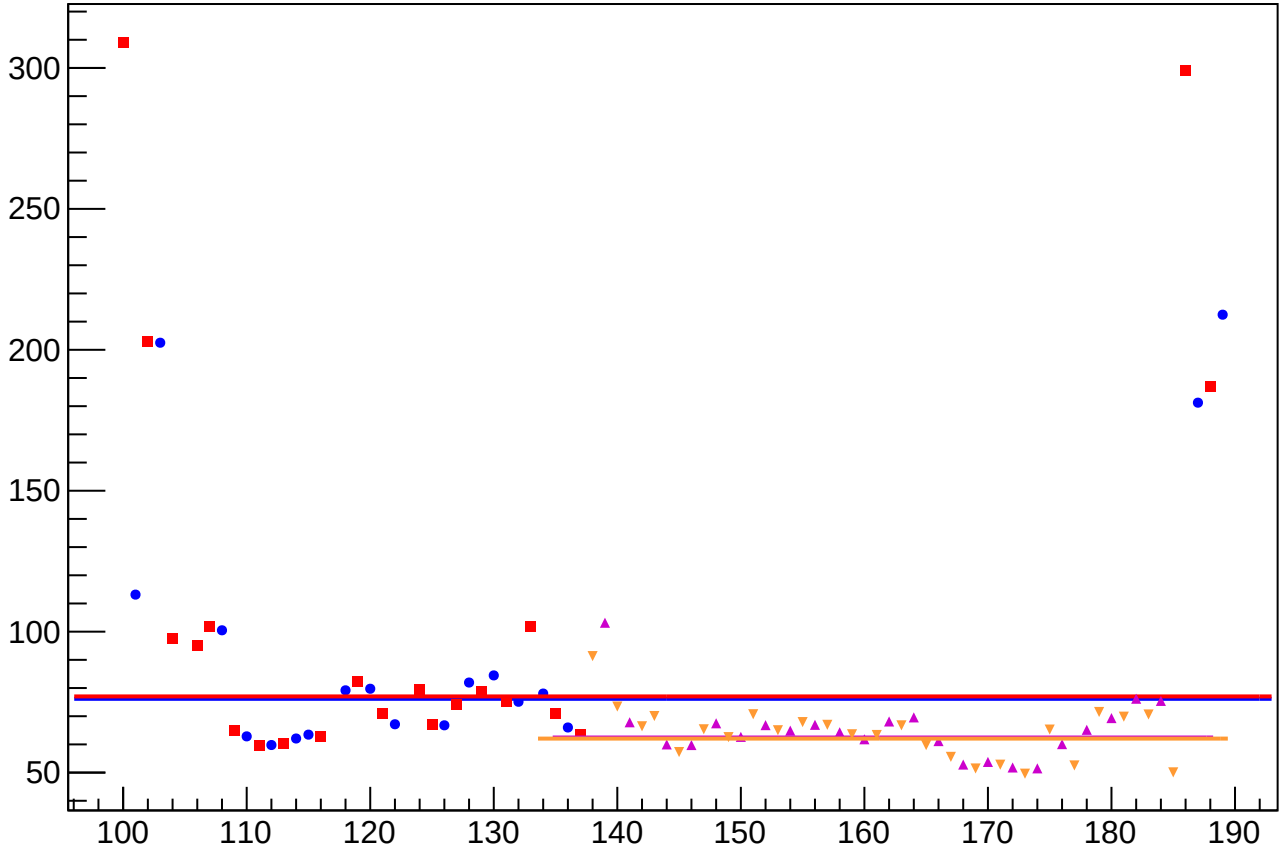
Right: 5.503+/-20.080 χ^2/NDF: 44.9/38

In: 56.862+/-13.163 χ^2/NDF:57.9/40

Out: 69.089+/-12.763 χ^2/NDF:87.5/45

All: 63.164+/-9.163 χ^2/NDF: 145.8/86

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 76.175+/-0.020 χ^2/NDF: 1388092.9/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 77.024+/-0.020 χ^2/NDF: 2048417.8/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

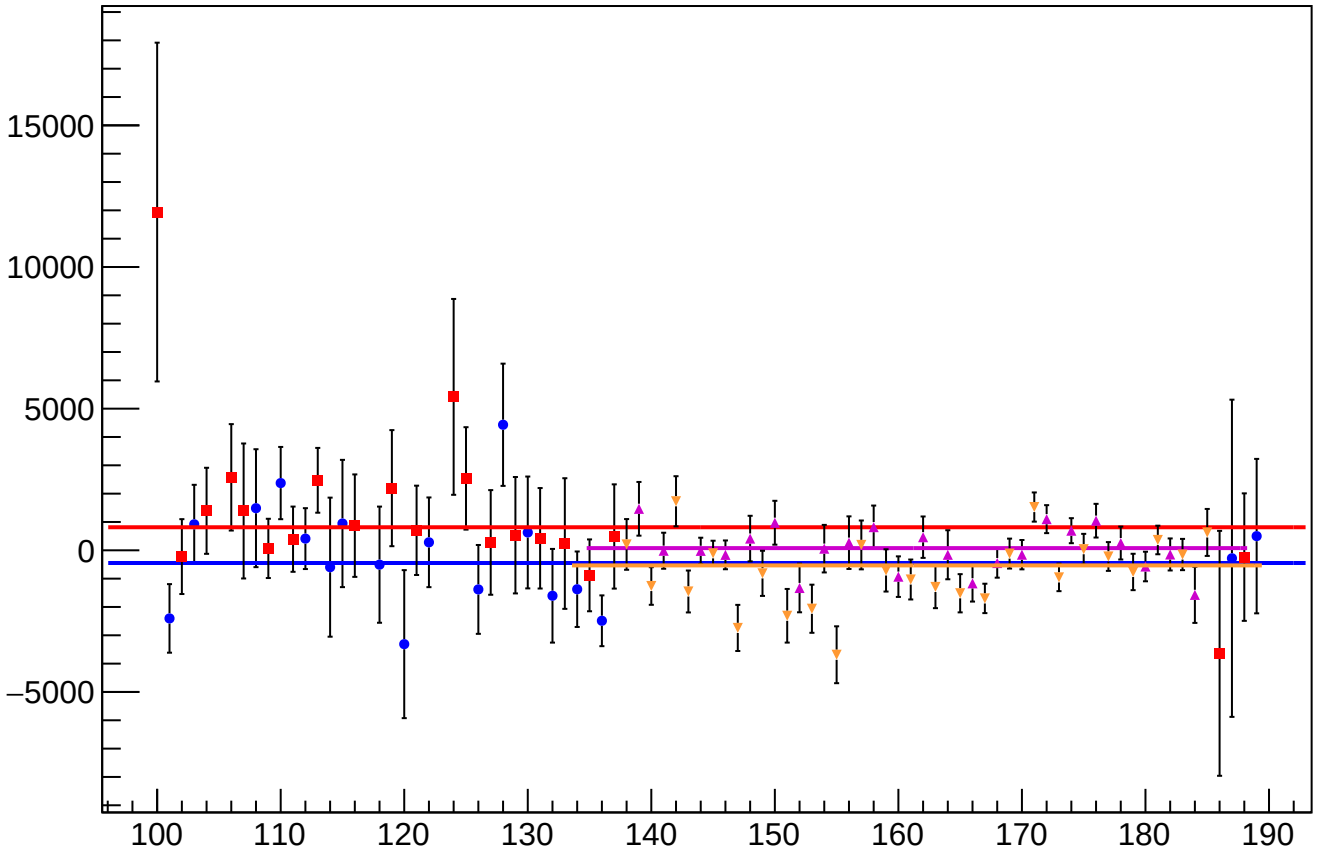
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 76.609+/-0.014 χ^2/NDF: 3437404.8/38

In: 65.331+/-0.009 χ^2/NDF:2414016.9/40

Out: 65.149+/-0.009 χ^2/NDF:3185024.7/45

All: 65.238+/-0.006 χ^2/NDF: 5599238.8/86



Right In: -447.820+/-370.715 χ^2/NDF: 23.8/17

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 813.529+/-365.929 χ^2/NDF: 14.4/20

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

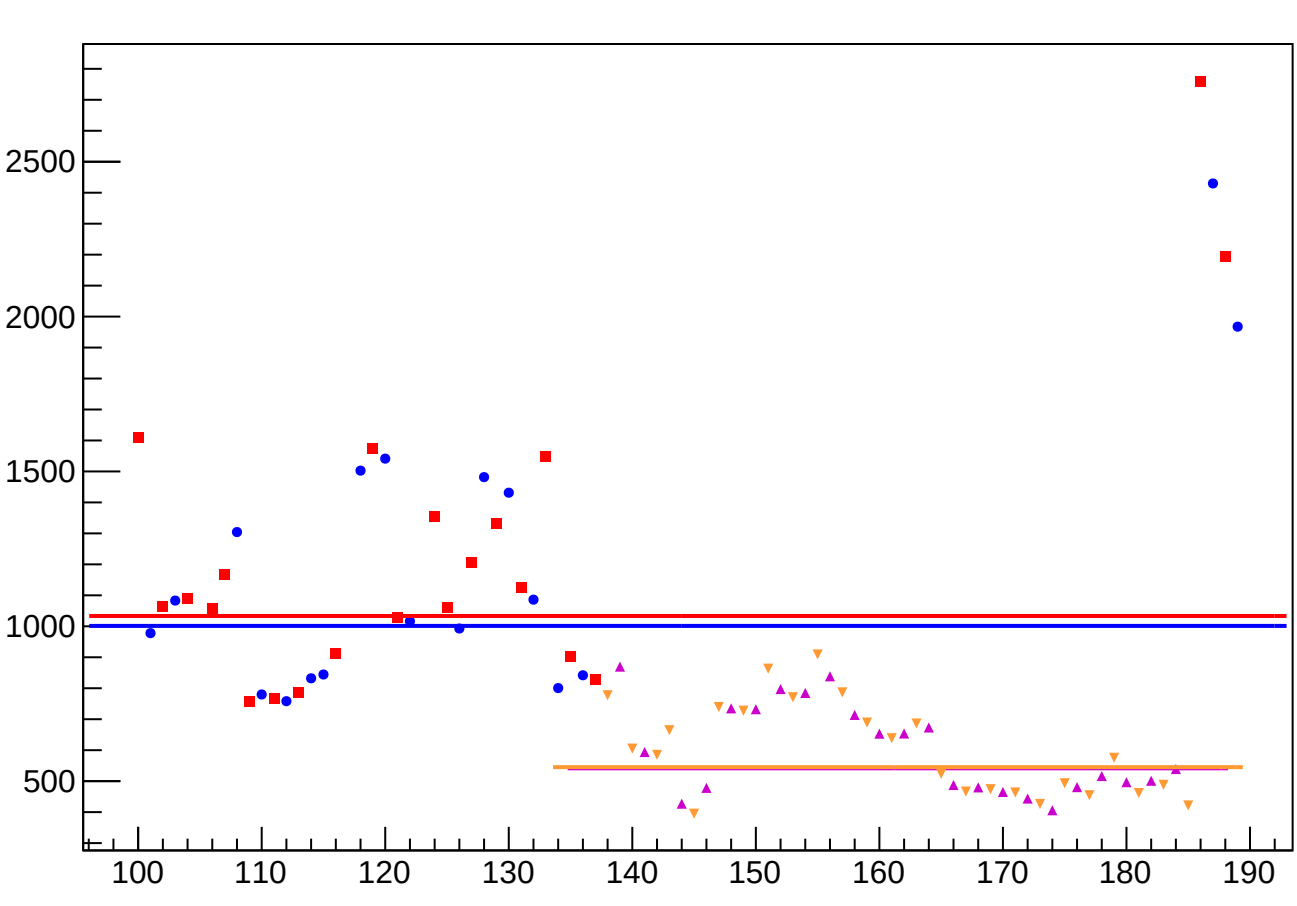
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 191.048+/-260.427 χ^2/NDF: 44.0/38

In: 19.629+/-122.942 χ^2/NDF:54.0/40

Out: -386.158+/-120.760 χ^2/NDF:95.5/45

All: -186.899+/-86.151 χ^2/NDF: 155.0/86



Right In: 1001.283+/-0.262 χ^2/NDF: 1126804.2/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1033.340+/-0.259 χ^2/NDF: 1595813.9/20

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

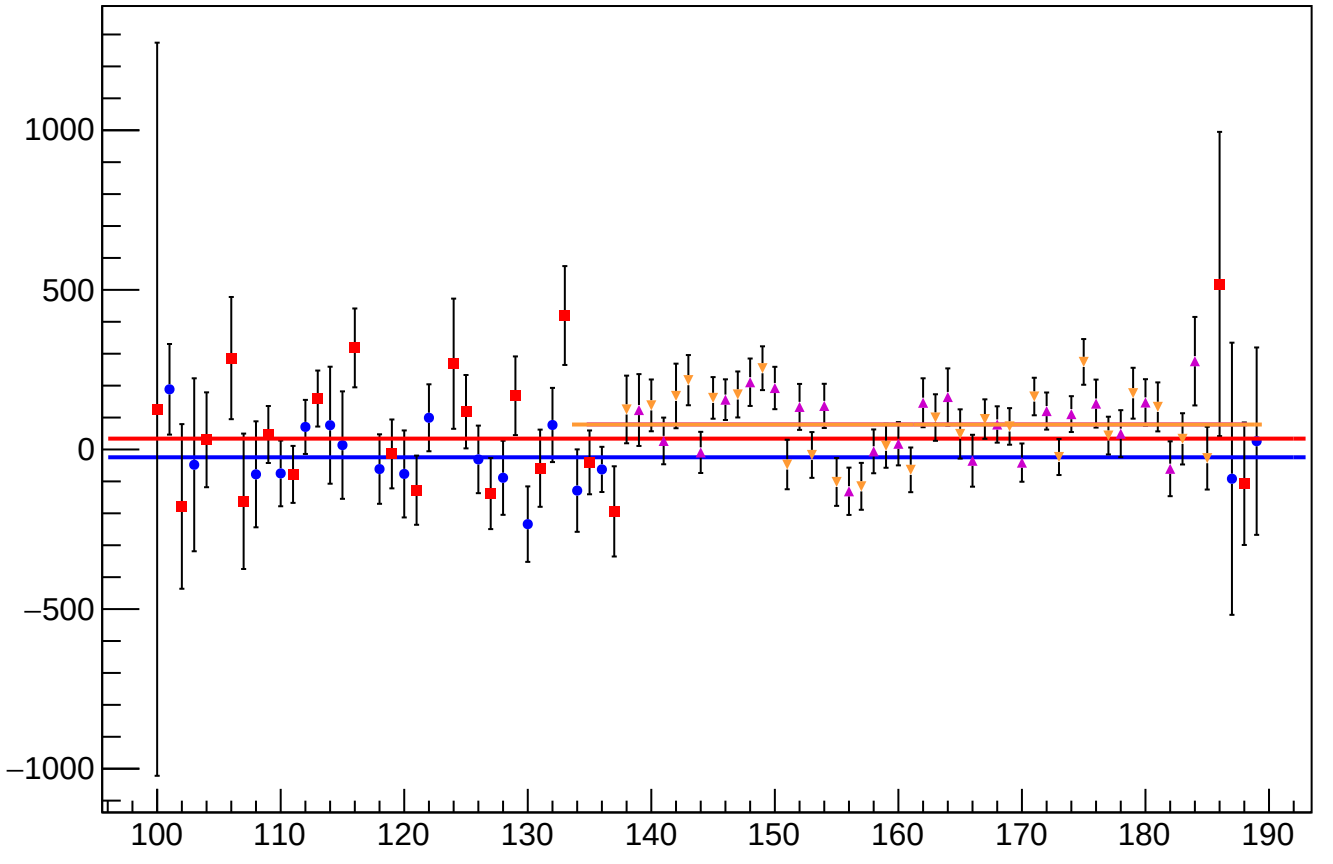
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1017.520+/-0.184 χ^2/NDF: 2730192.8/38

In: 592.030+/-0.087 χ^2/NDF:5705787.5/40

Out: 598.454+/-0.085 χ^2/NDF:6849529.0/45

All: 595.300+/-0.061 χ^2/NDF: 12558095.4/86



Right In: -24.459+/-28.708 χ^2/NDF: 11.1/17

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 34.003+/-28.100 χ^2/NDF: 31.6/20

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

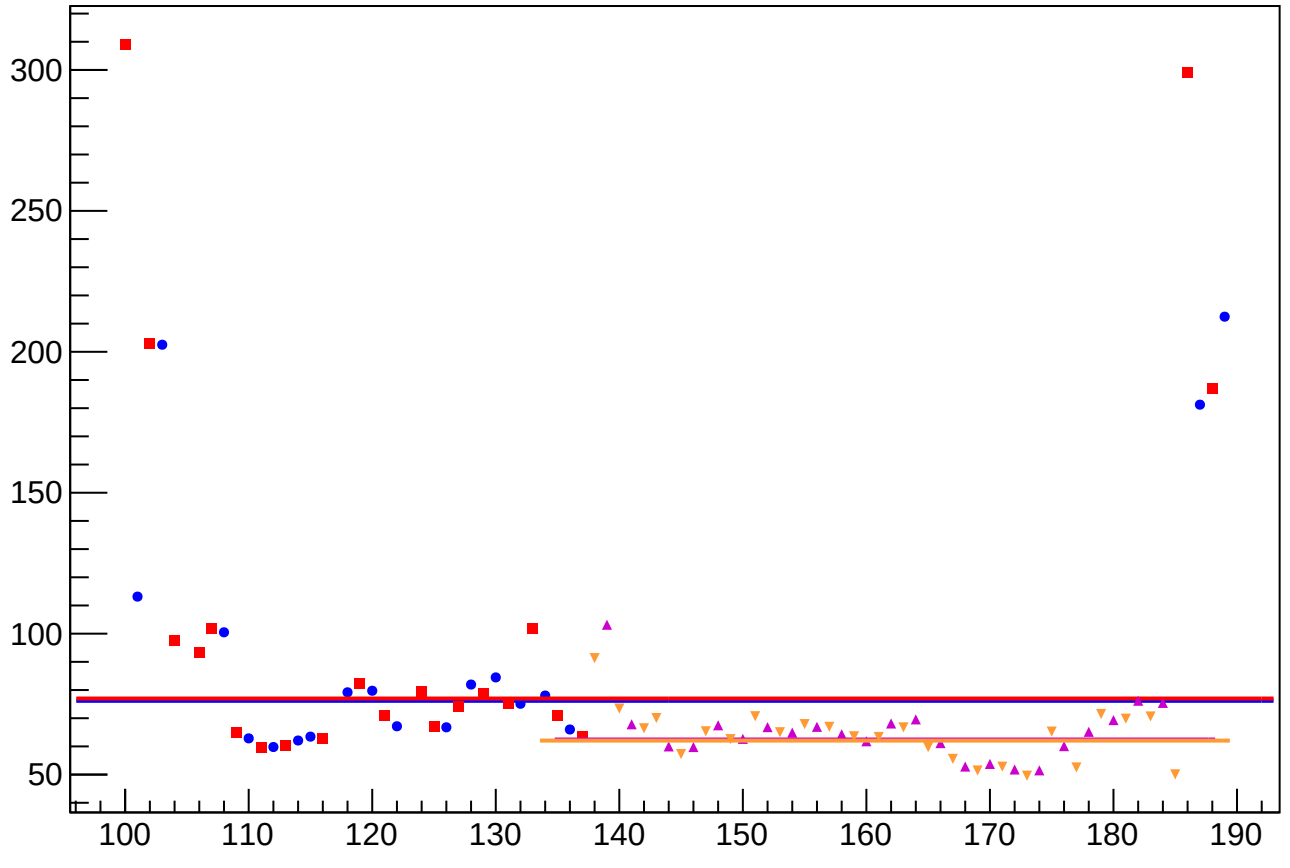
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 5.397+/-20.081 χ^2/NDF: 44.8/38

In: 56.860+/-13.163 χ^2/NDF:57.9/40

Out: 69.053+/-12.763 χ^2/NDF:87.4/45

All: 63.145+/-9.163 χ^2/NDF: 145.8/86



Right In: 76.175+/-0.020 χ^2/NDF: 1388095.0/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 76.984+/-0.020 χ^2/NDF: 2045291.3/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

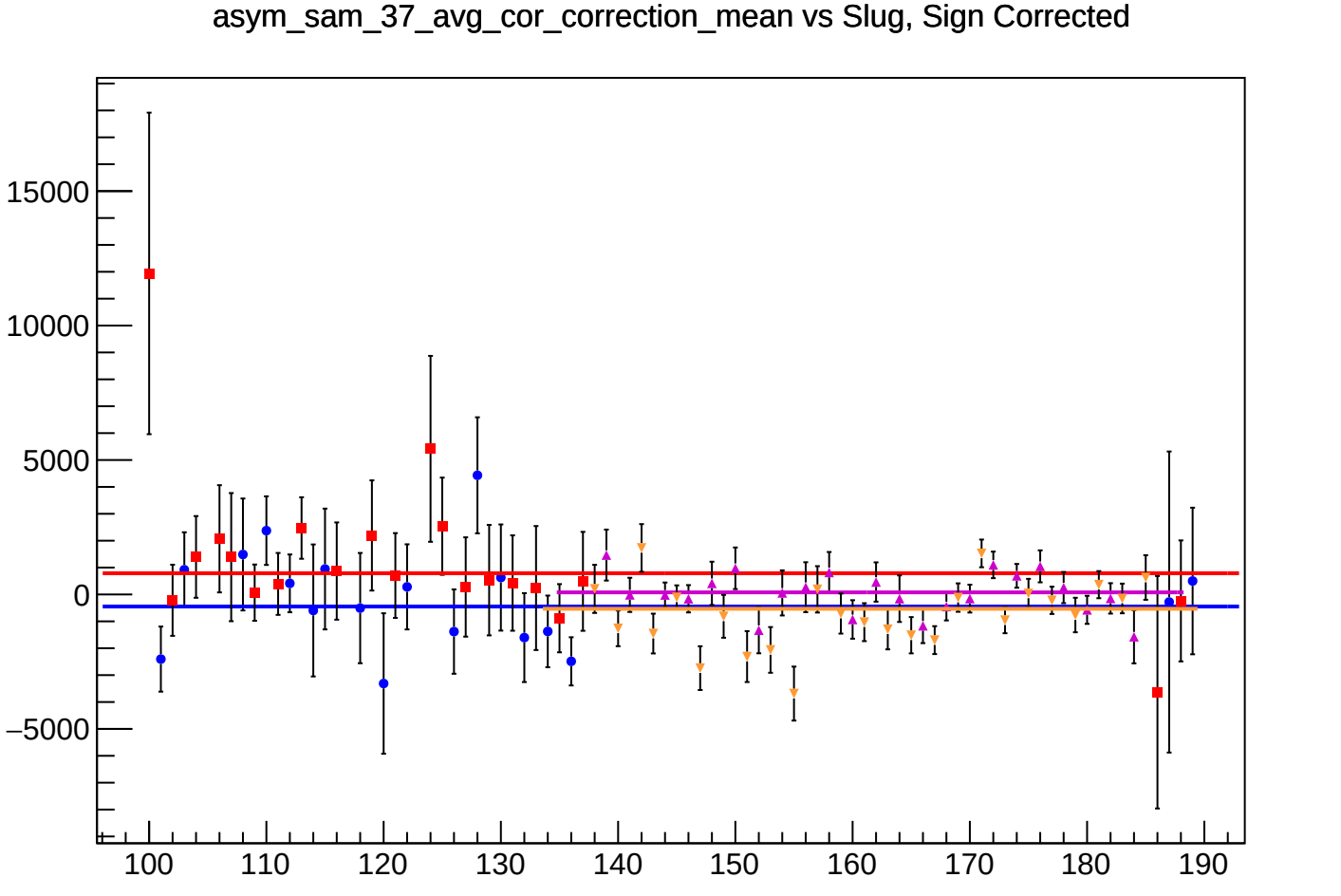
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

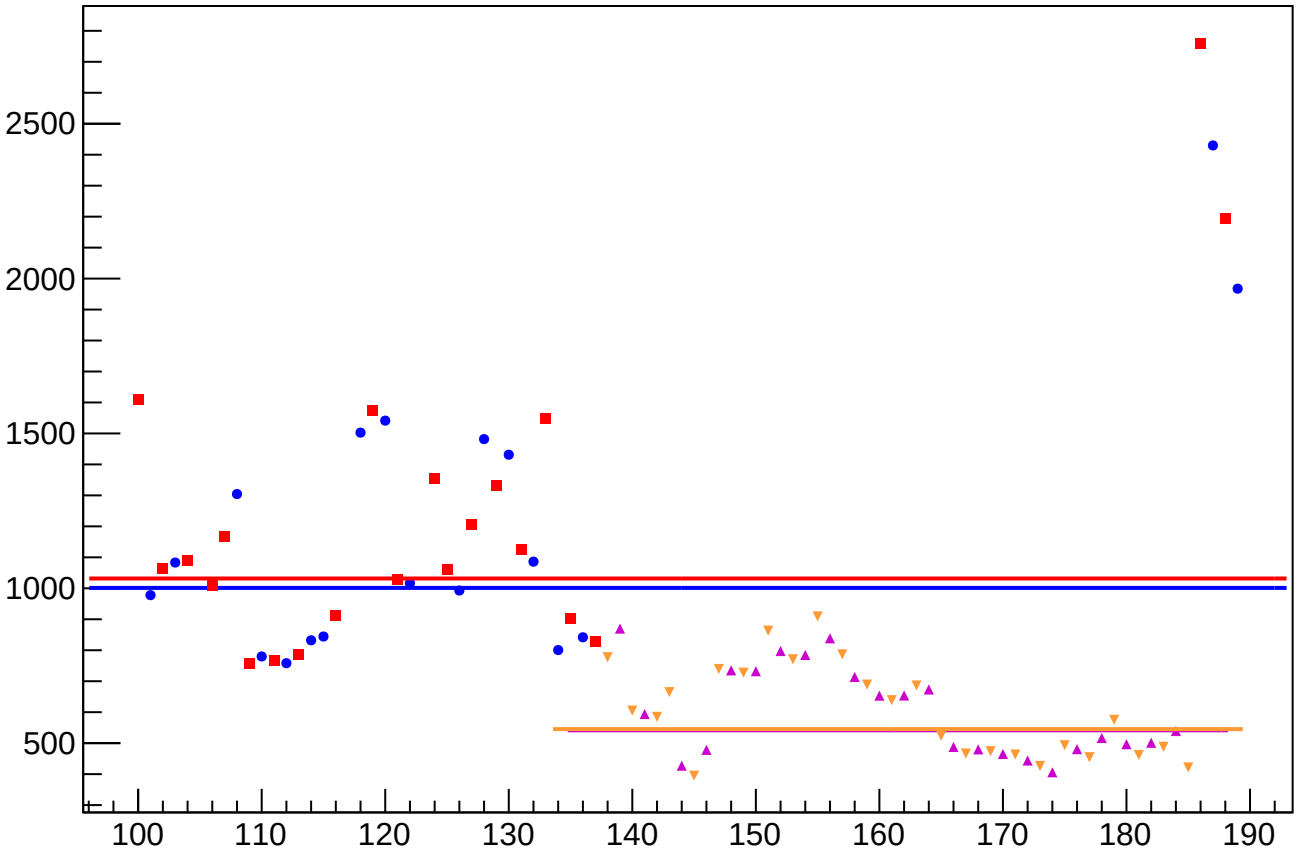
Right: 76.588+/-0.014 χ^2/NDF: 3434197.8/38

In: 65.331+/-0.009 χ^2/NDF:2414018.8/40

Out: 65.141+/-0.009 χ^2/NDF:3179413.6/45

All: 65.233+/-0.006 χ^2/NDF: 5593649.0/86


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -447.806+/-370.718 χ²/NDF: 23.8/17
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 789.490+/-366.740 χ²/NDF: 13.9/20
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 177.515+/-260.719 χ²/NDF: 43.3/38
In: 19.630+/-122.942 χ²/NDF:54.0/40
Out: -389.341+/-120.789 χ²/NDF:94.6/45
All: -188.469+/-86.162 χ²/NDF: 154.2/86



Right In: 1001.290+/-0.262 χ^2/NDF: 1126823.7/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1031.664+/-0.259 χ^2/NDF: 1595792.5/20

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

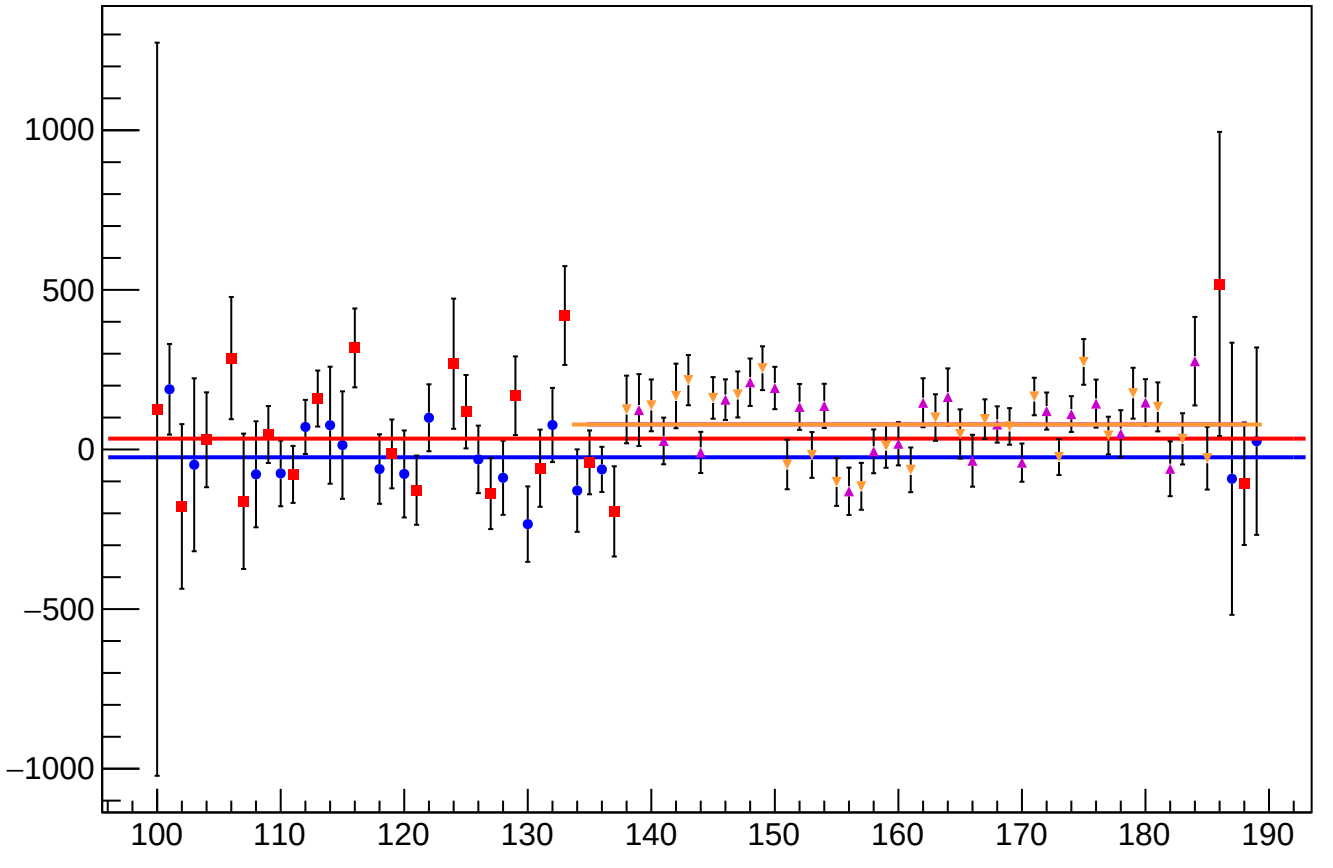
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1016.641+/-0.184 χ^2/NDF: 2729401.6/38

In: 592.030+/-0.087 χ^2/NDF:5705845.0/40

Out: 598.063+/-0.085 χ^2/NDF:6815367.1/45

All: 595.100+/-0.061 χ^2/NDF: 12523662.2/86



Right In: -24.459+/-28.708 χ^2/NDF: 11.1/17

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 34.003+/-28.100 χ^2/NDF: 31.6/20

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

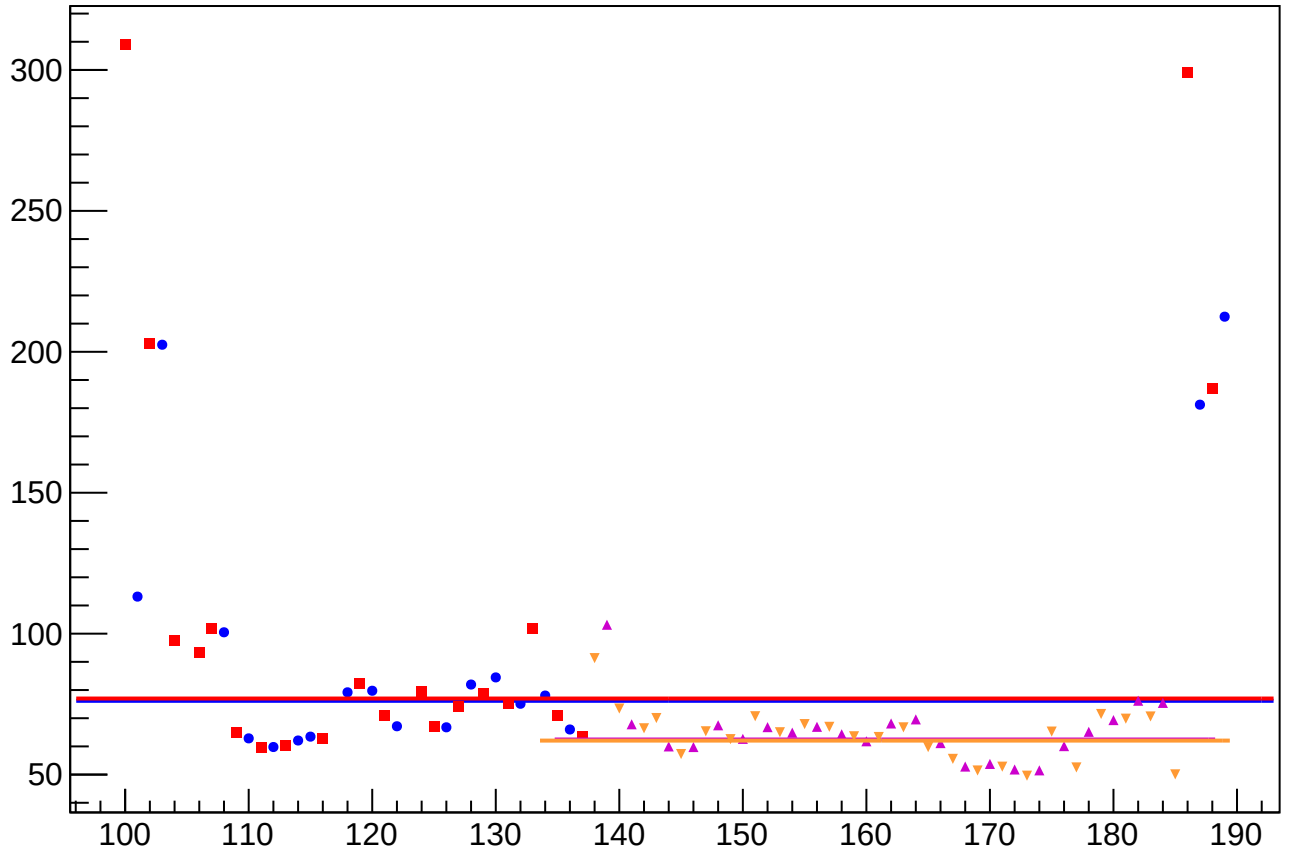
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 5.397+/-20.081 χ^2/NDF: 44.8/38

In: 56.860+/-13.163 χ^2/NDF:57.9/40

Out: 69.053+/-12.763 χ^2/NDF:87.4/45

All: 63.145+/-9.163 χ^2/NDF: 145.8/86



Right In: 76.175+/-0.020 χ^2/NDF: 1388095.0/17

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 76.984+/-0.020 χ^2/NDF: 2045291.3/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

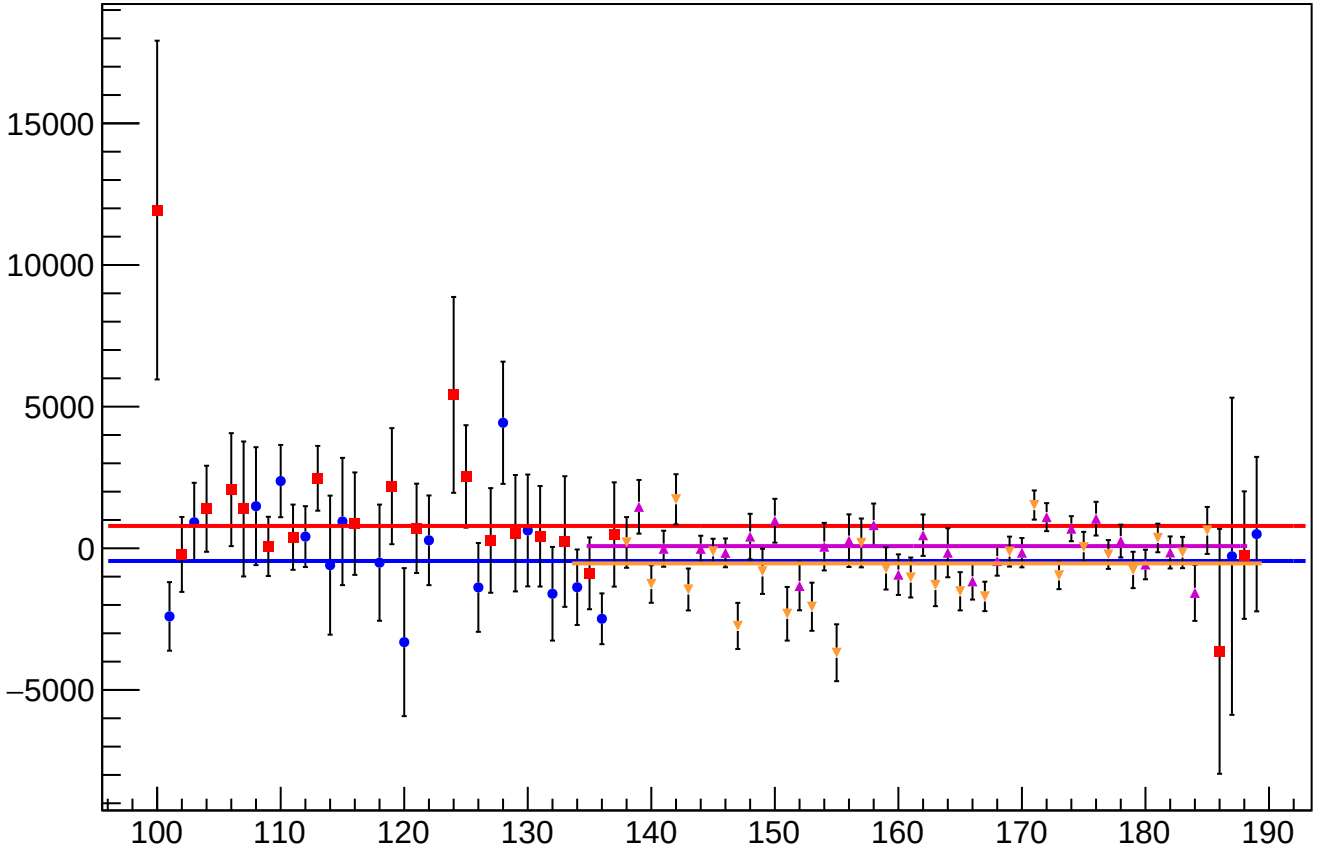
Right: 76.588+/-0.014 χ^2/NDF: 3434197.8/38

In: 65.331+/-0.009 χ^2/NDF:2414018.8/40

Out: 65.141+/-0.009 χ^2/NDF:3179413.6/45

All: 65.233+/-0.006 χ^2/NDF: 5593649.0/86

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -447.806+/-370.718 χ^2/NDF: 23.8/17

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 789.490+/-366.740 χ^2/NDF: 13.9/20

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

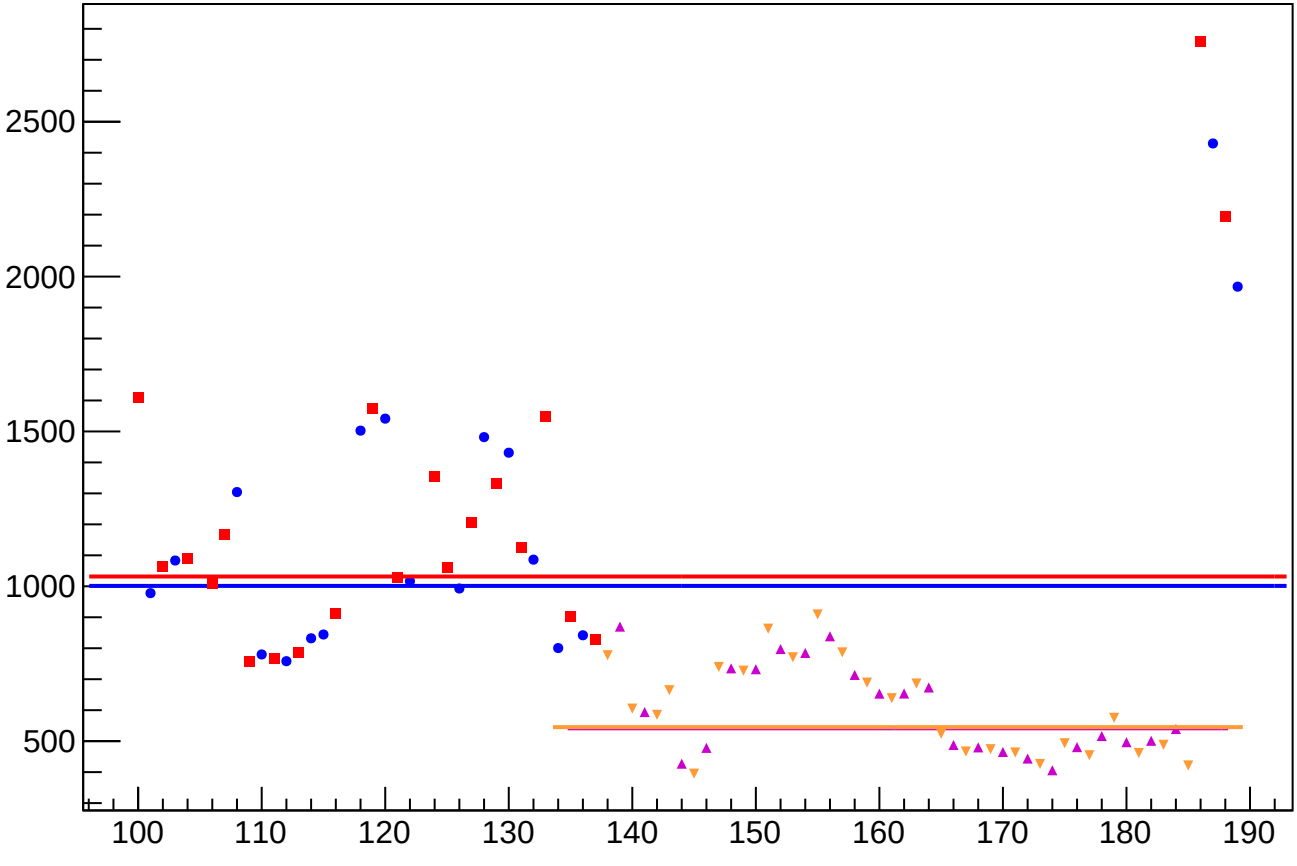
Right: 177.515+/-260.719 χ^2/NDF: 43.3/38

In: 19.630+/-122.942 χ^2/NDF:54.0/40

Out: -389.341+/-120.789 χ^2/NDF:94.6/45

All: -188.469+/-86.162 χ^2/NDF: 154.2/86

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1001.290+/-0.262 χ^2/NDF: 1126823.7/17

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1031.664+/-0.259 χ^2/NDF: 1595792.5/20

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

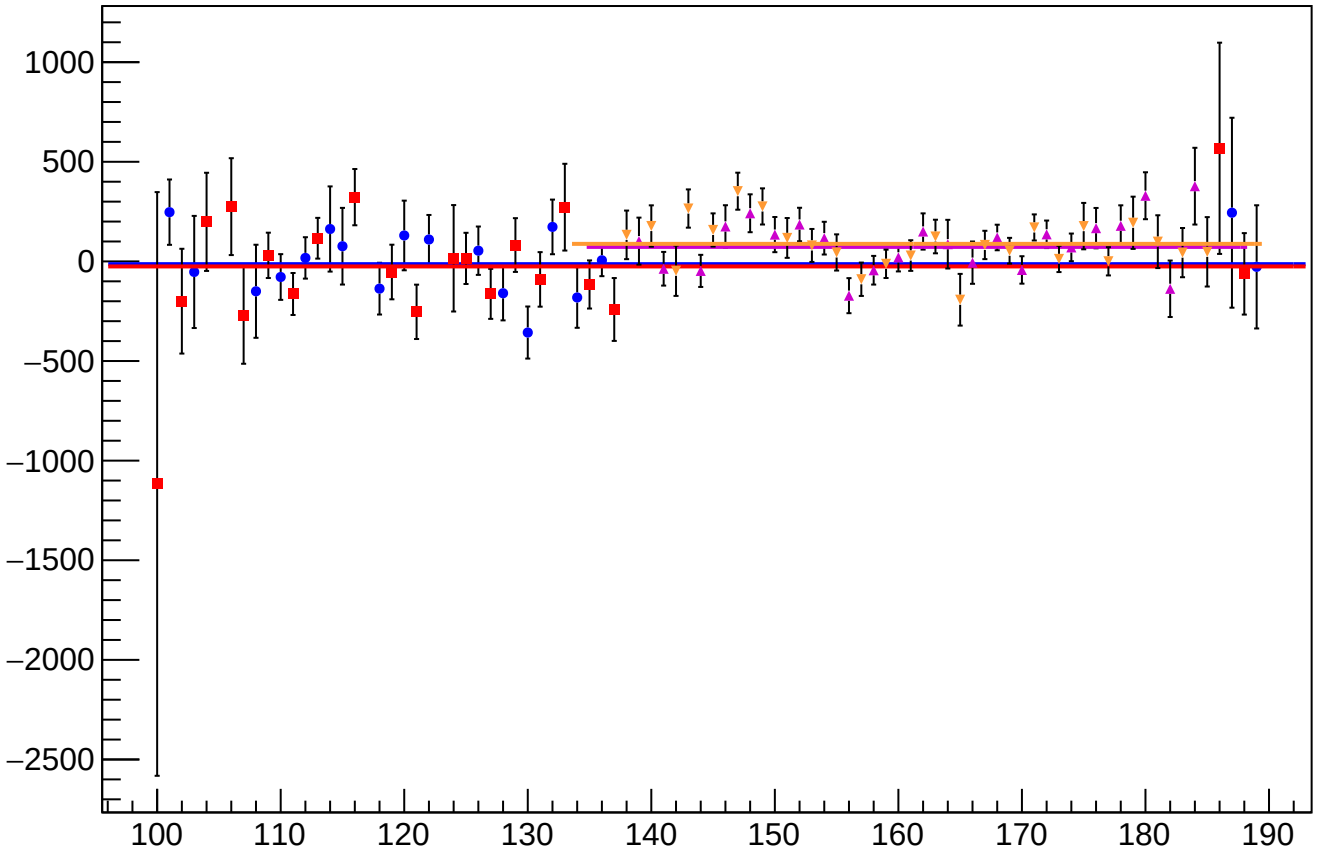
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1016.641+/-0.184 χ^2/NDF: 2729401.6/38

In: 592.030+/-0.087 χ^2/NDF:5705845.0/40

Out: 598.063+/-0.085 χ^2/NDF:6815367.1/45

All: 595.100+/-0.061 χ^2/NDF: 12523662.2/86



Right In: -13.820+/-33.478 χ^2/NDF: 18.6/17

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -25.240+/-33.542 χ^2/NDF: 24.9/20

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

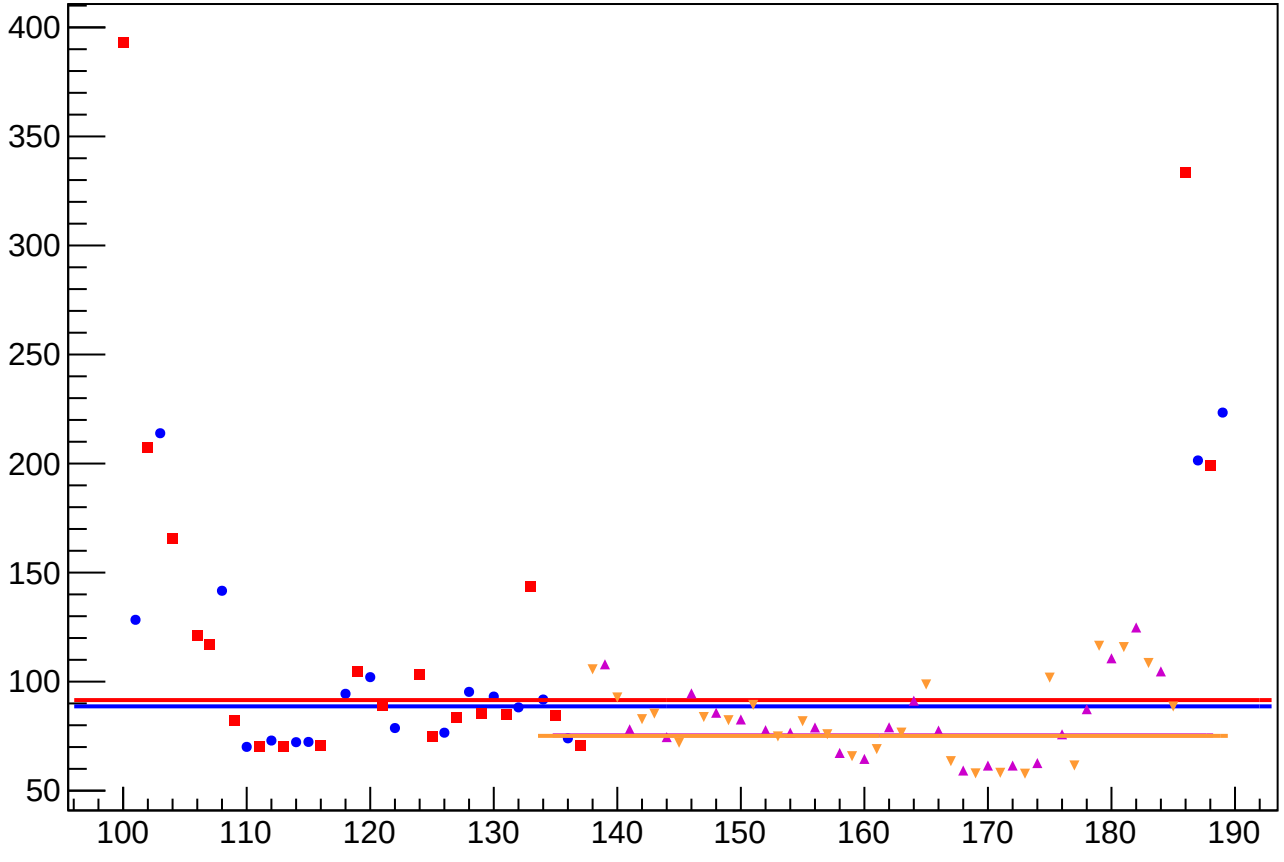
Right: -19.519+/-23.695 χ^2/NDF: 43.5/38

In: 52.951+/-16.041 χ^2/NDF:62.2/40

Out: 63.269+/-15.685 χ^2/NDF:70.7/45

All: 58.226+/-11.215 χ^2/NDF: 133.1/86

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 88.661+/-0.024 χ^2/NDF: 1356177.2/17

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 91.538+/-0.024 χ^2/NDF: 2125533.1/20

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

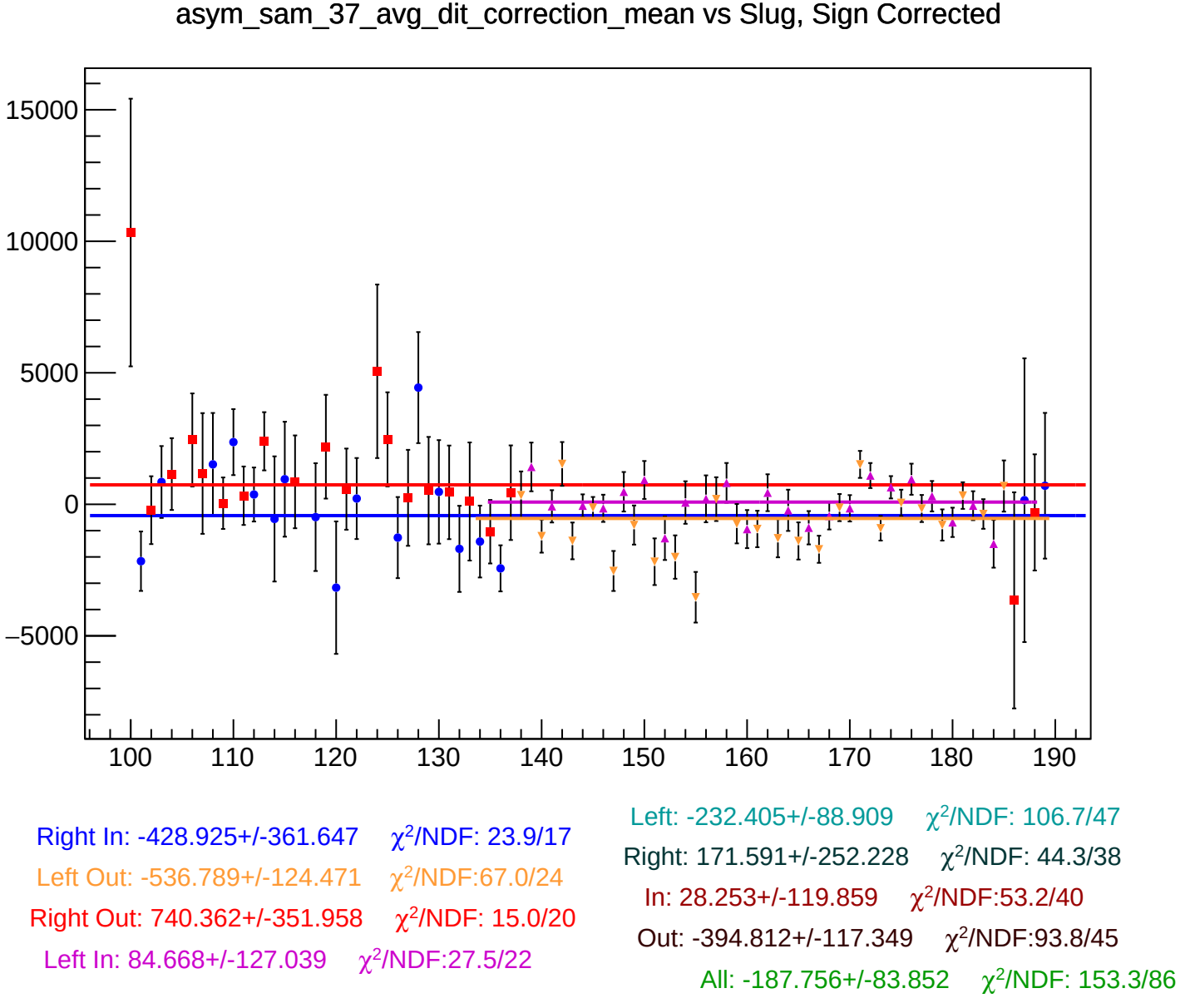
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

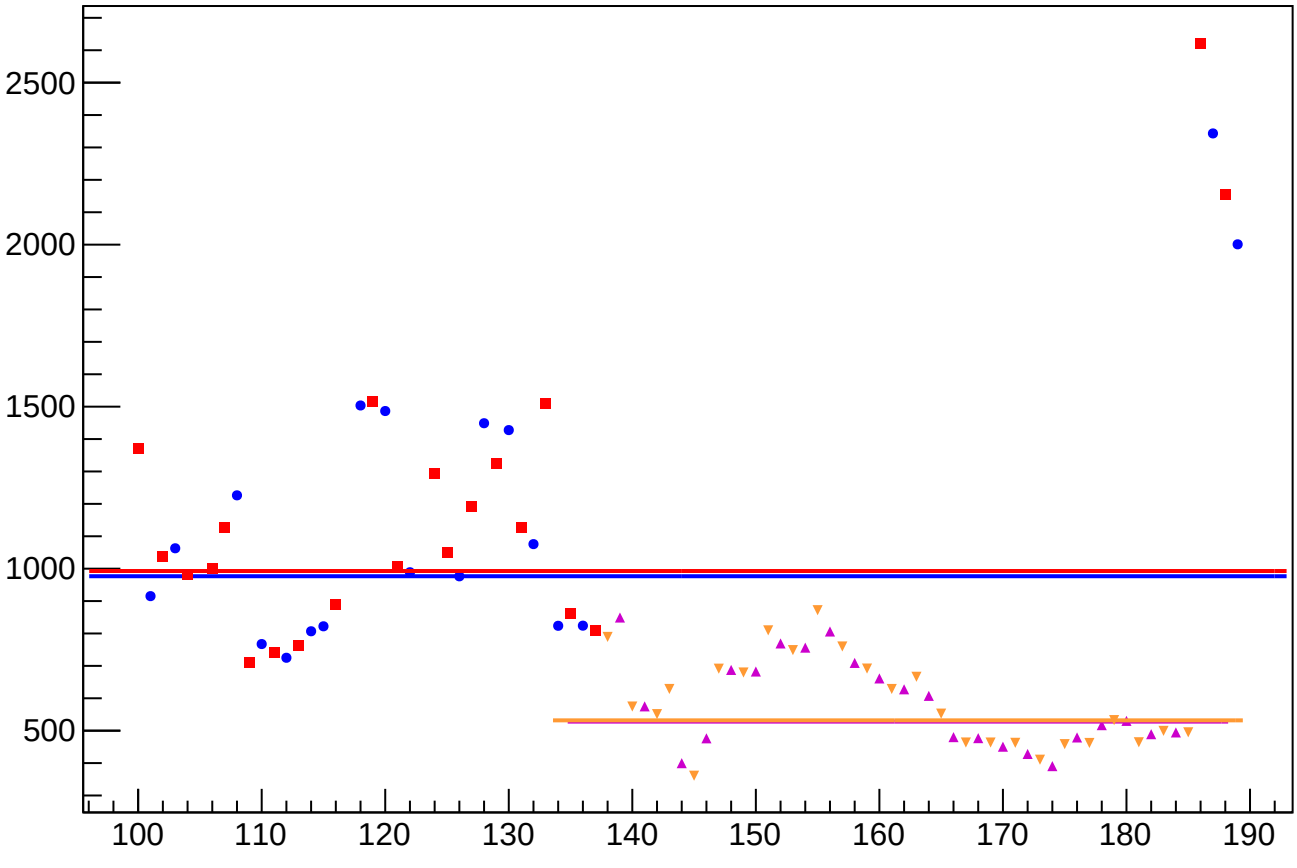
Right: 90.097+/-0.017 χ^2/NDF: 3489080.2/38

In: 78.416+/-0.011 χ^2/NDF:2824602.1/40

Out: 78.716+/-0.011 χ^2/NDF:4101015.3/45

All: 78.570+/-0.008 χ^2/NDF: 6925975.6/86


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -428.925+/-361.647 χ²/NDF: 23.9/17
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 740.362+/-351.958 χ²/NDF: 15.0/20
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 171.591+/-252.228 χ²/NDF: 44.3/38
In: 28.253+/-119.859 χ²/NDF:53.2/40
Out: -394.812+/-117.349 χ²/NDF:93.8/45
All: -187.756+/-83.852 χ²/NDF: 153.3/86



Right In: 976.669+/-0.256 χ^2/NDF: 1156850.9/17

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 992.768+/-0.249 χ^2/NDF: 1648358.7/20

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

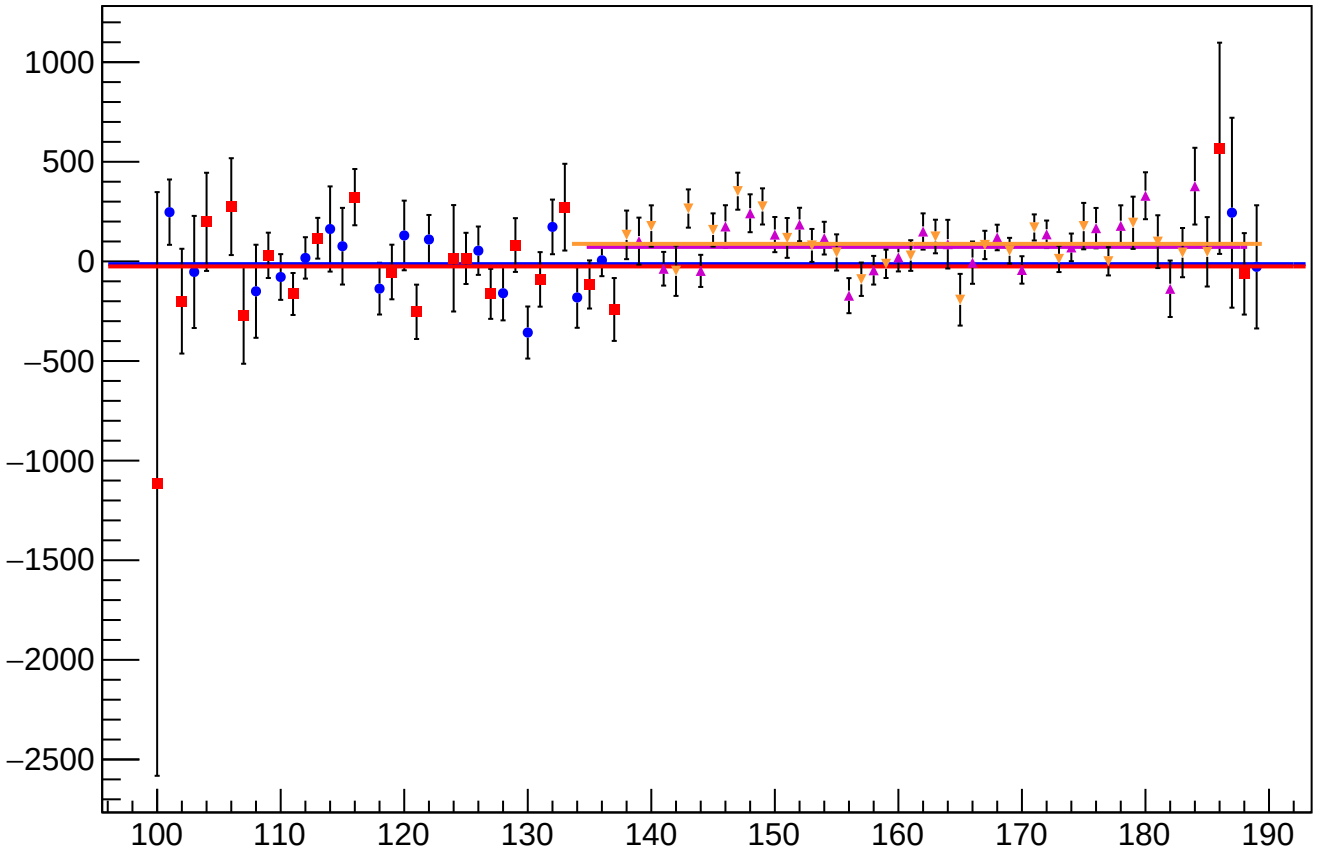
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 984.937+/-0.178 χ^2/NDF: 2807245.0/38

In: 577.271+/-0.085 χ^2/NDF:5697665.9/40

Out: 583.109+/-0.083 χ^2/NDF:6734519.8/45

All: 580.251+/-0.059 χ^2/NDF: 12434608.4/86



Right In: -13.821+/-33.479 χ^2/NDF: 18.6/17

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -25.243+/-33.542 χ^2/NDF: 24.9/20

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

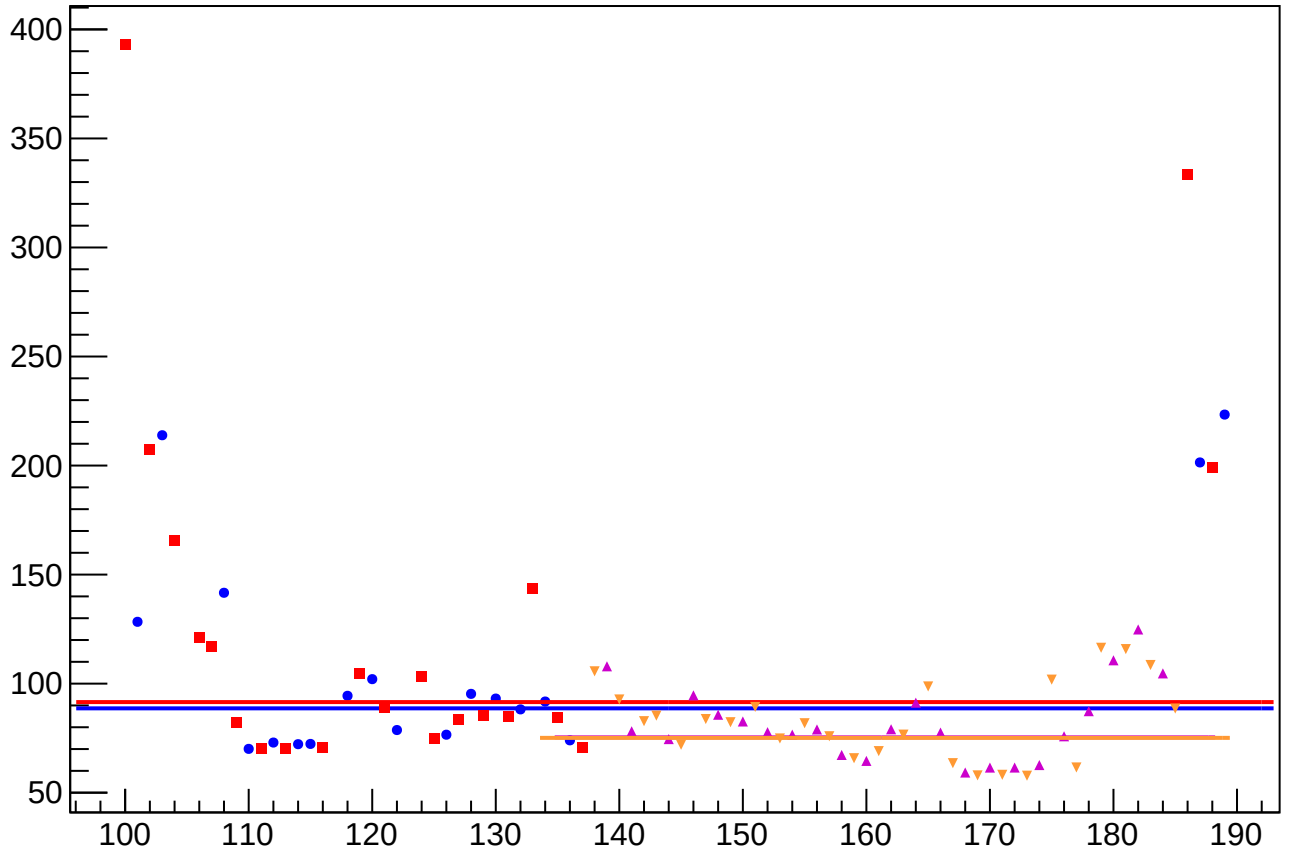
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -19.521+/-23.695 χ^2/NDF: 43.5/38

In: 52.950+/-16.041 χ^2/NDF:62.2/40

Out: 63.269+/-15.685 χ^2/NDF:70.7/45

All: 58.225+/-11.215 χ^2/NDF: 133.1/86



Right In: 88.661+/-0.024 χ^2/NDF: 1356168.5/17

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 91.538+/-0.024 χ^2/NDF: 2125533.2/20

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

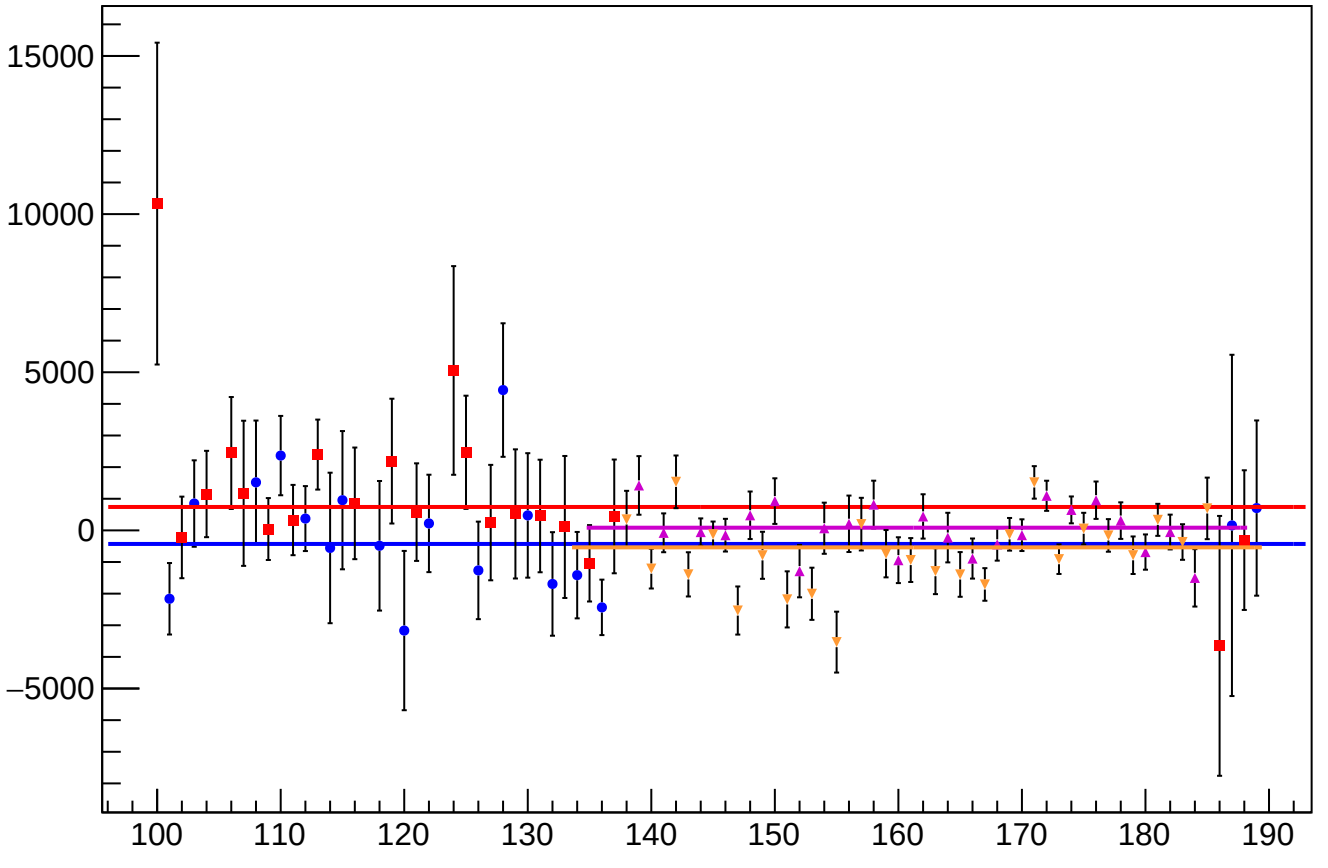
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 90.097+/-0.017 χ^2/NDF: 3489072.0/38

In: 78.416+/-0.011 χ^2/NDF:2824598.0/40

Out: 78.717+/-0.011 χ^2/NDF:4101022.9/45

All: 78.570+/-0.008 χ^2/NDF: 6925979.2/86



Right In: -428.923+/-361.646 χ^2/NDF: 23.9/17

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 740.361+/-351.957 χ^2/NDF: 15.0/20

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

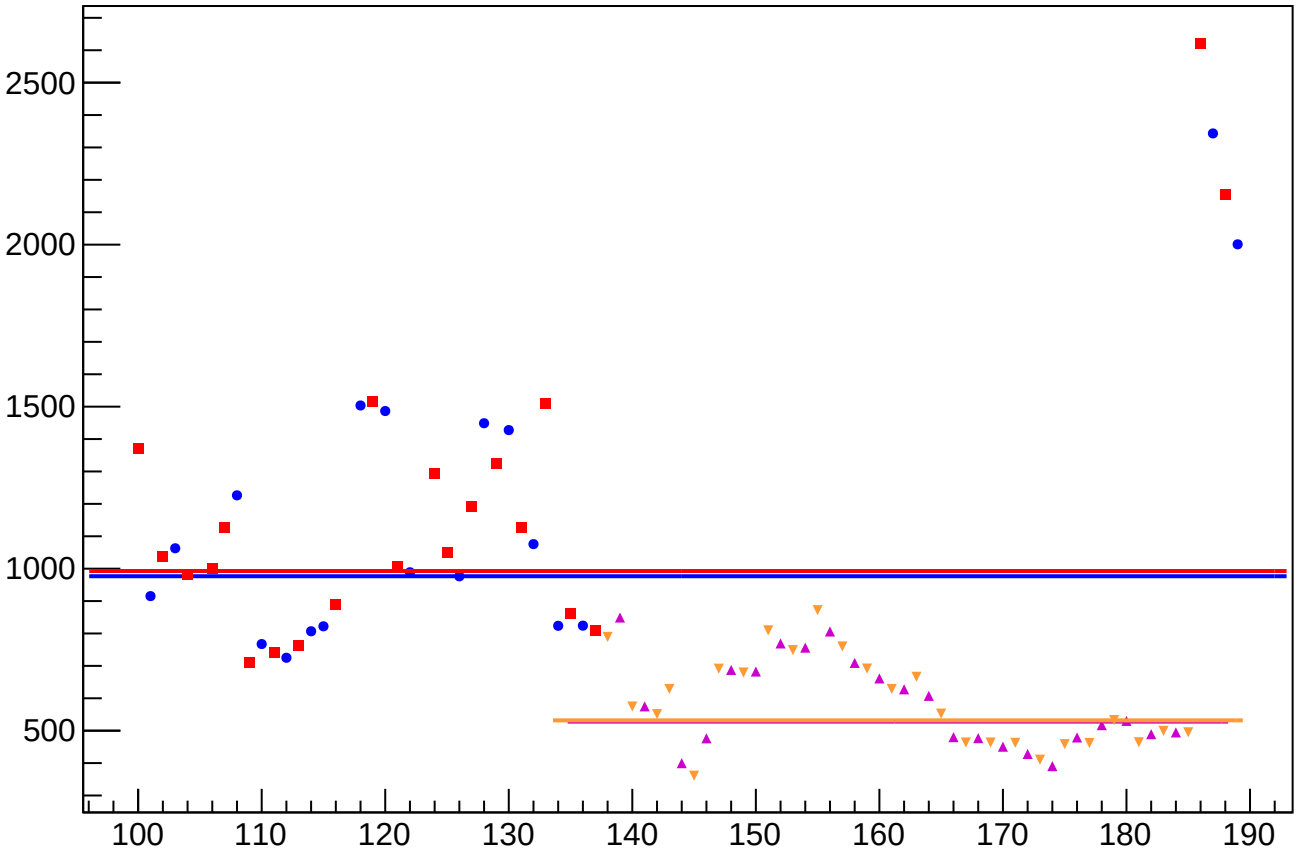
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 171.592+/-252.227 χ^2/NDF: 44.3/38

In: 28.253+/-119.859 χ^2/NDF:53.2/40

Out: -394.812+/-117.349 χ^2/NDF:93.8/45

All: -187.756+/-83.852 χ^2/NDF: 153.3/86



Right In: 976.667+/-0.256 χ^2/NDF: 1156854.5/17

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 992.766+/-0.249 χ^2/NDF: 1648358.4/20

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

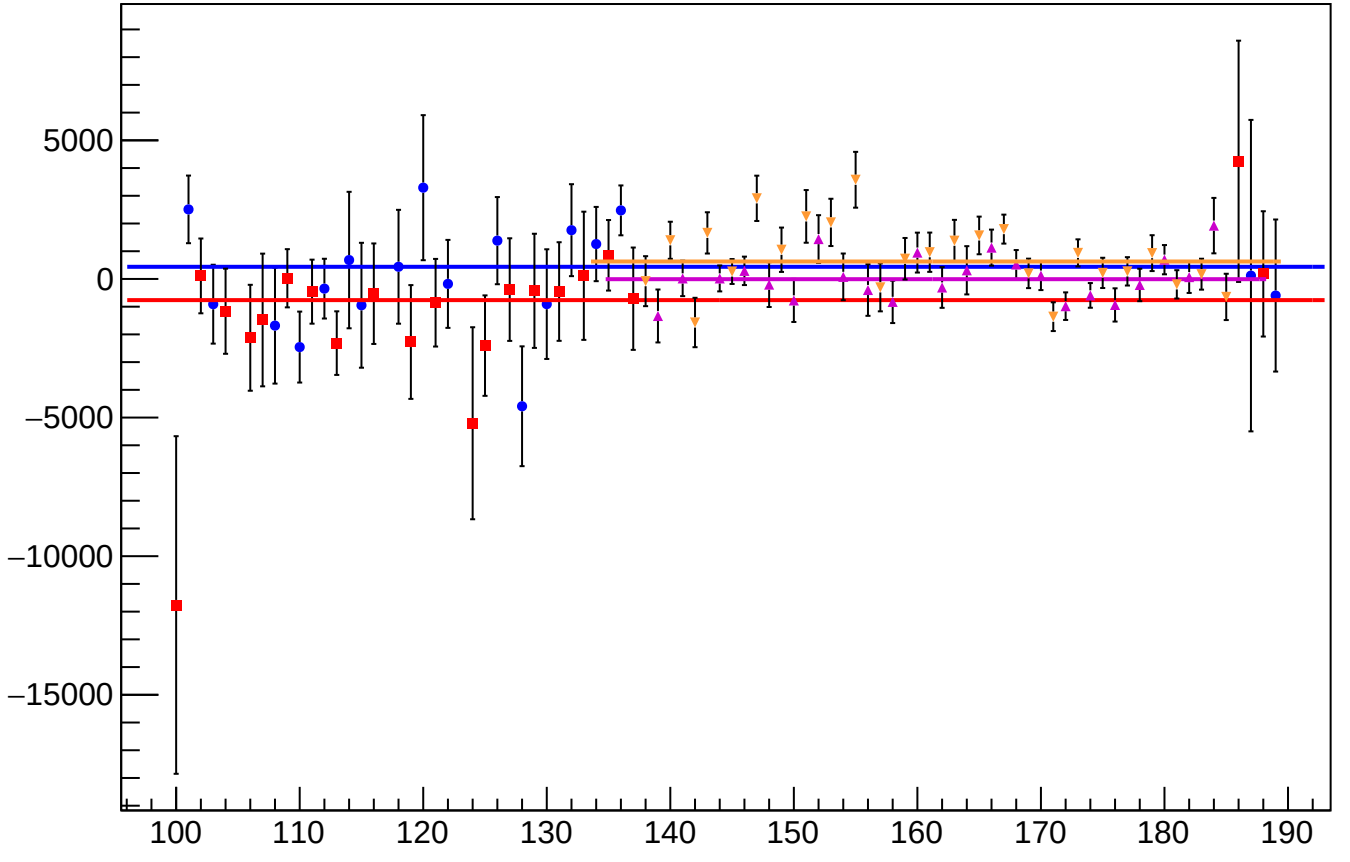
Right: 984.935+/-0.178 χ^2/NDF: 2807248.2/38

In: 577.270+/-0.085 χ^2/NDF:5697652.5/40

Out: 583.108+/-0.083 χ^2/NDF:6734504.0/45

All: 580.251+/-0.059 χ^2/NDF: 12434579.2/86

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 438.135+/-372.543 χ^2/NDF: 24.7/17

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -763.542+/-367.892 χ^2/NDF: 13.2/20

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

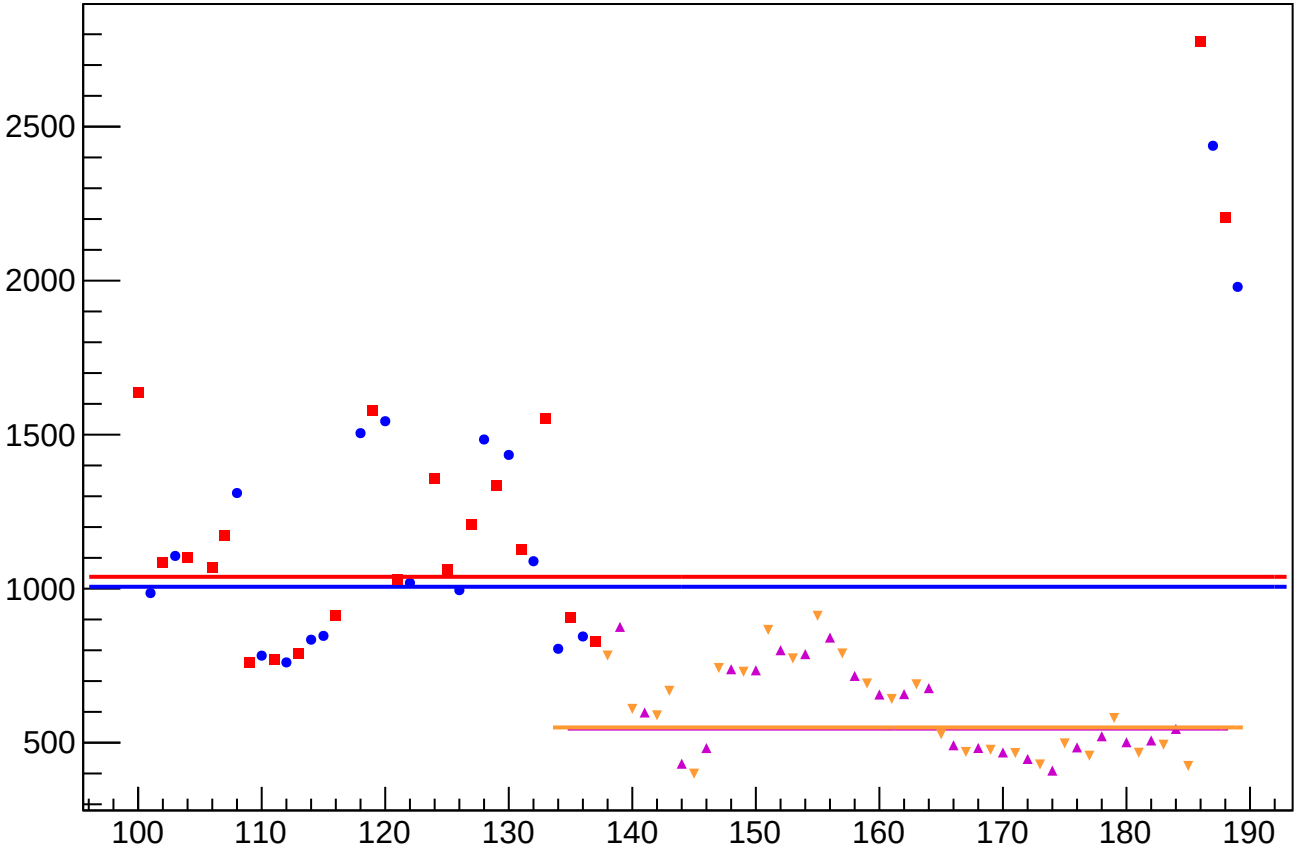
Right: -170.251+/-261.768 χ^2/NDF: 43.2/38

In: 40.877+/-123.825 χ^2/NDF:53.3/40

Out: 477.176+/-121.610 χ^2/NDF:90.9/45

All: 262.964+/-86.764 χ^2/NDF: 150.5/86

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1006.178+/-0.263 χ^2/NDF: 1128291.9/17

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1038.518+/-0.260 χ^2/NDF: 1599815.0/20

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

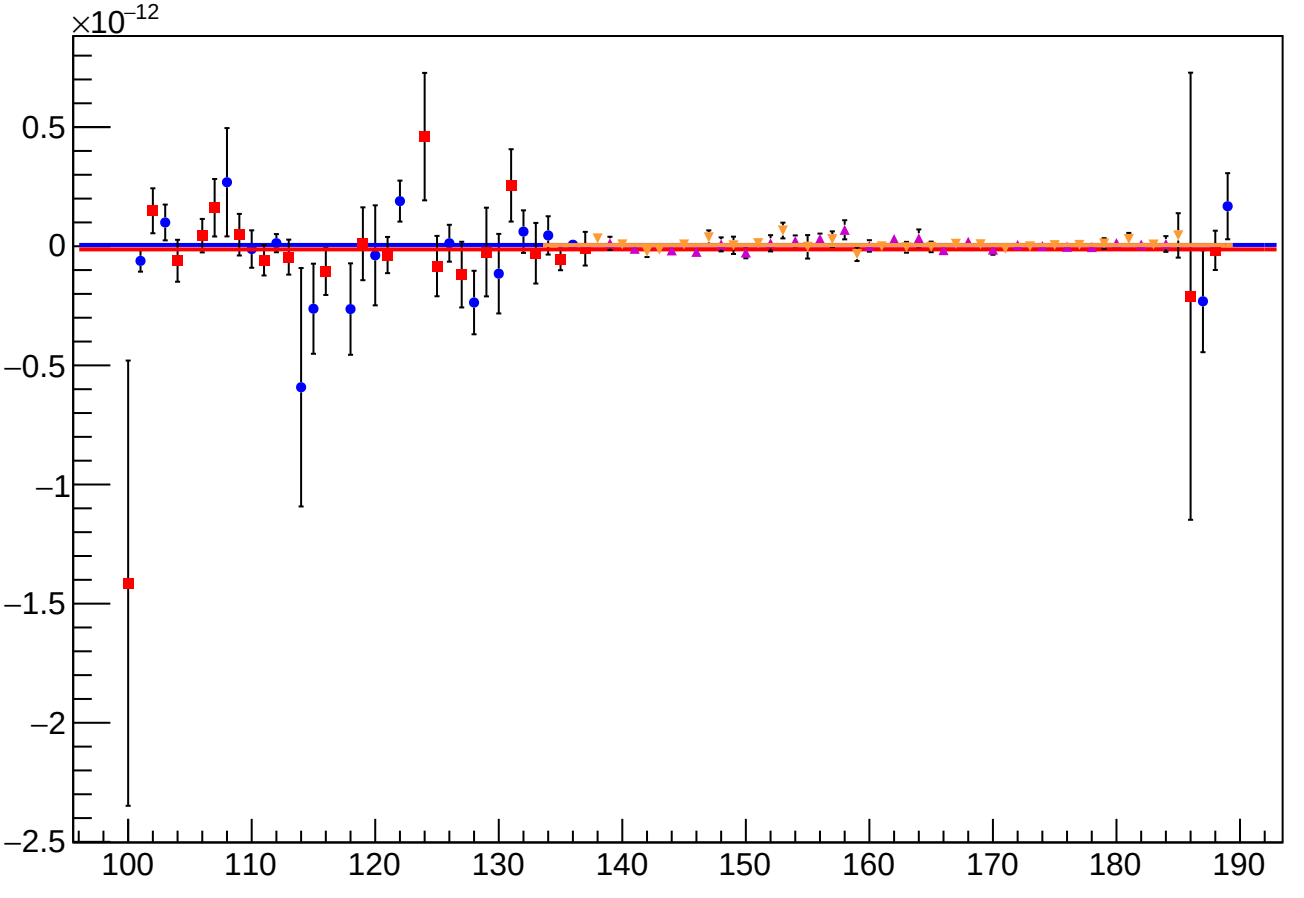
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1022.551+/-0.185 χ^2/NDF: 2735737.4/38

In: 596.578+/-0.088 χ^2/NDF:5660735.0/40

Out: 602.912+/-0.086 χ^2/NDF:6801692.0/45

All: 599.802+/-0.061 χ^2/NDF: 12465090.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

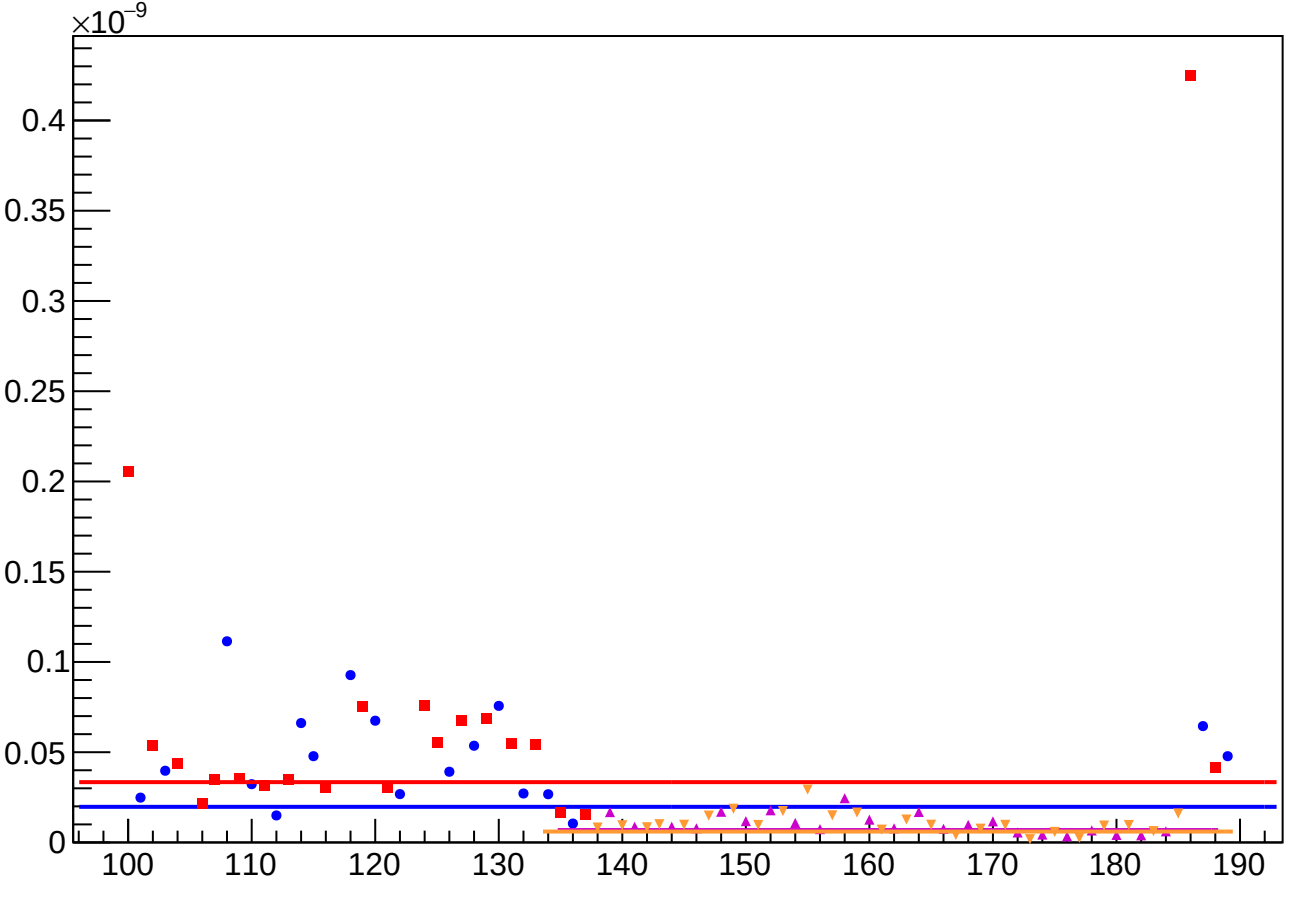
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 41.3/38

In: 0.000+/-0.000 χ^2/NDF:42.3/40

Out: 0.000+/-0.000 χ^2/NDF:34.9/45

All: 0.000+/-0.000 χ^2/NDF: 77.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 2149847.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1550539.9/20

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

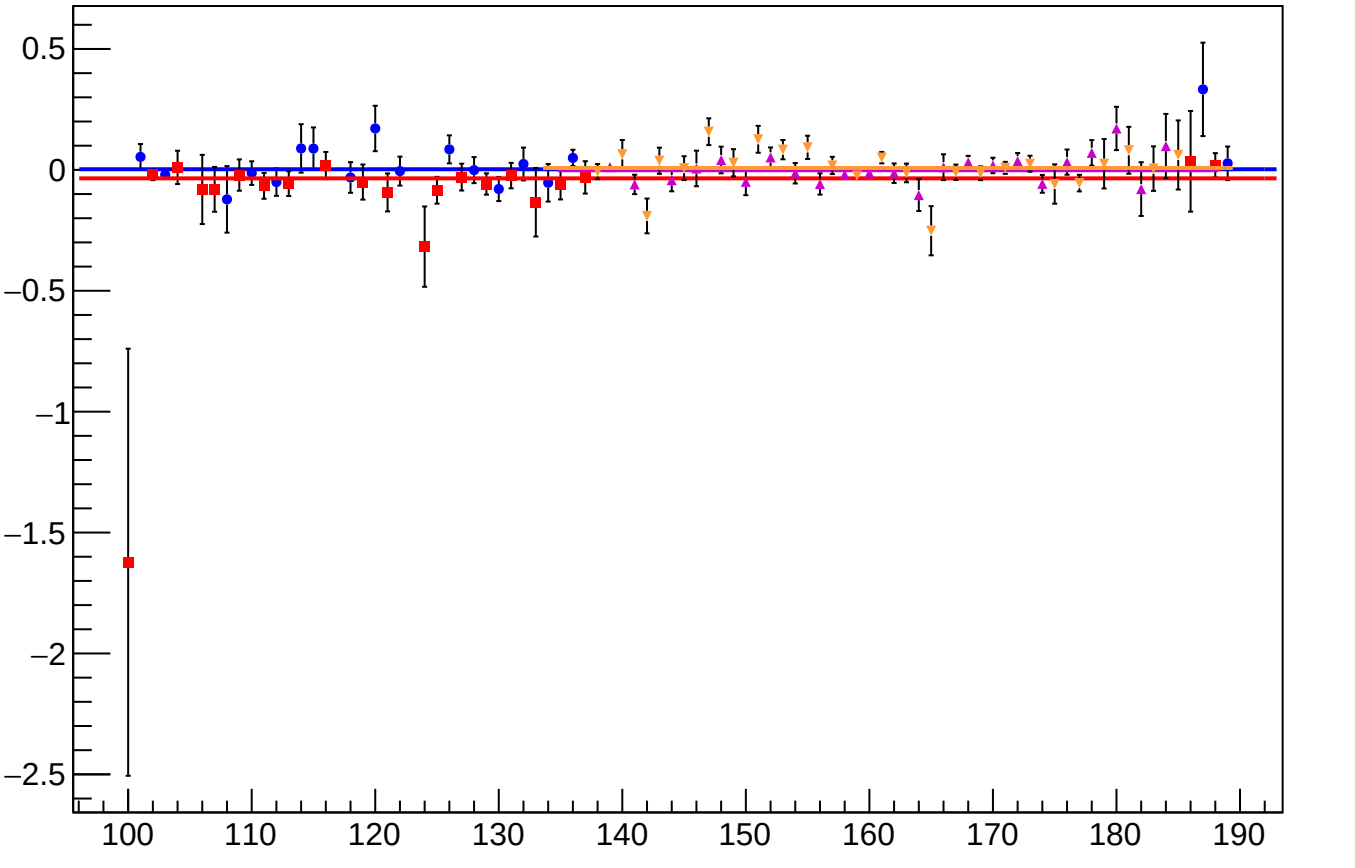
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4314965.9/38

In: 0.000+/-0.000 χ^2/NDF:6096242.4/40

Out: 0.000+/-0.000 χ^2/NDF:8797612.9/45

All: 0.000+/-0.000 χ^2/NDF: 14970443.4/86



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

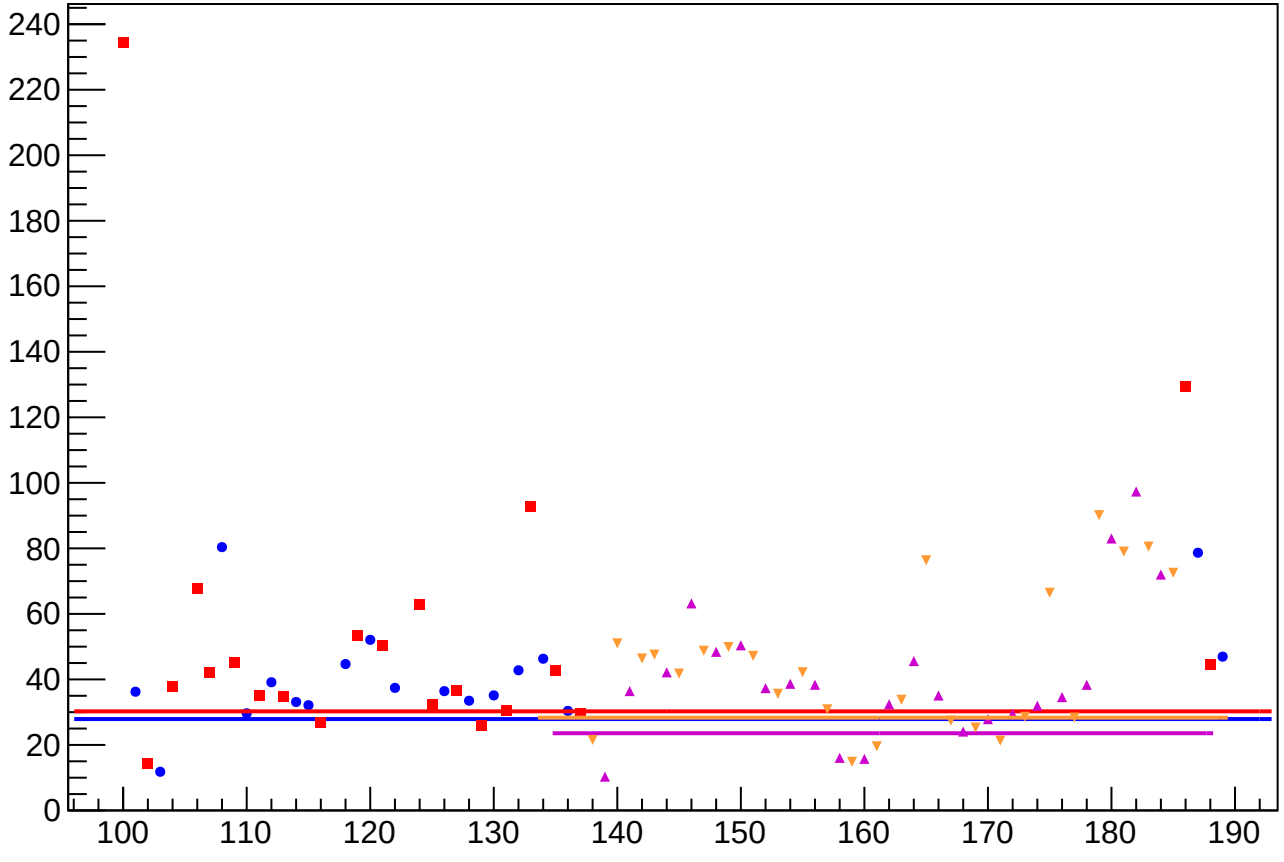
Right: -0.016+/-0.009 χ^2/NDF: 36.9/38

In: -0.000+/-0.006 χ^2/NDF:44.8/40

Out: -0.004+/-0.006 χ^2/NDF:68.9/45

All: -0.002+/-0.004 χ^2/NDF: 113.9/86

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.896+/-0.008 χ^2/NDF: 2712003.0/17

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 30.256+/-0.009 χ^2/NDF: 3093113.9/20

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

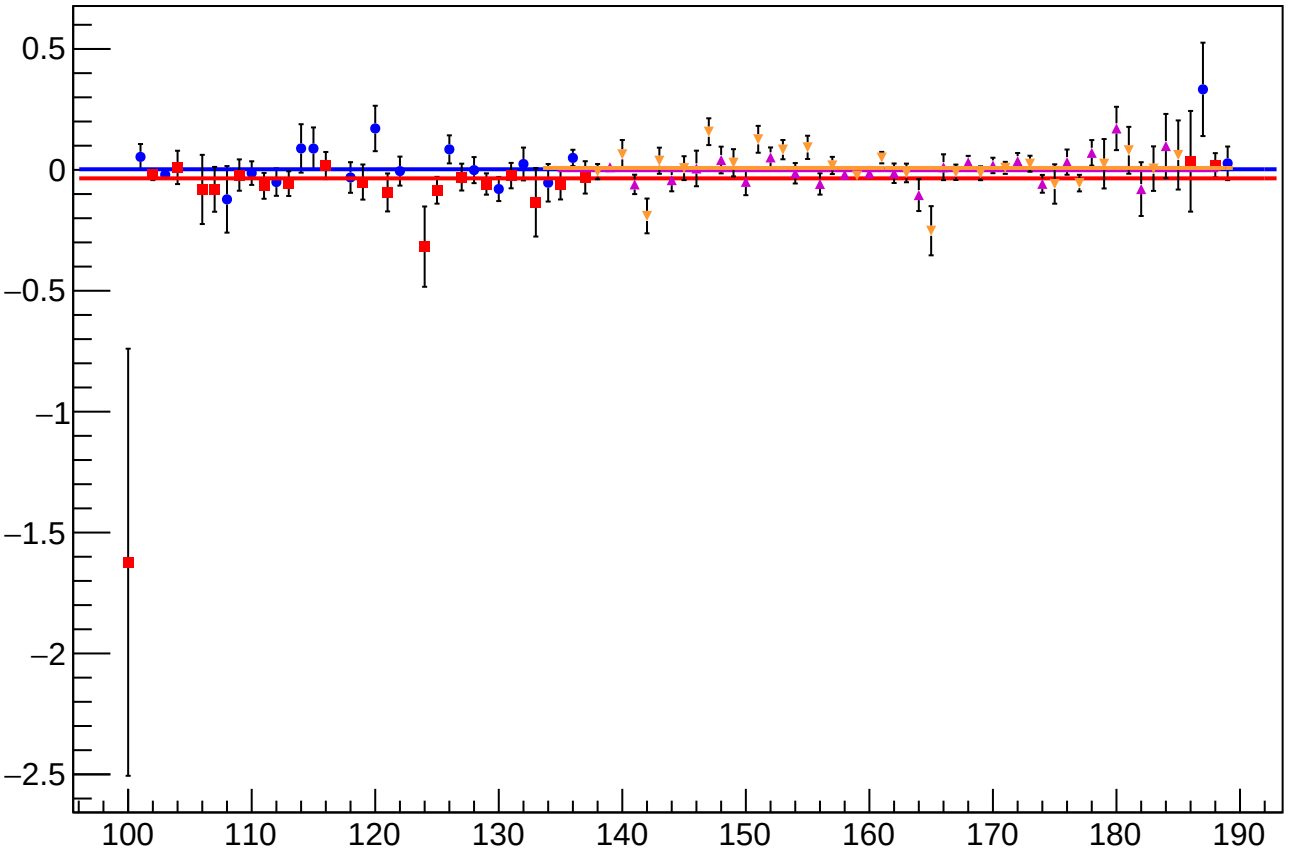
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 29.037+/-0.006 χ^2/NDF: 5843569.8/38

In: 24.647+/-0.004 χ^2/NDF:11176502.1/40

Out: 28.860+/-0.005 χ^2/NDF:9917460.4/45

All: 26.569+/-0.003 χ^2/NDF: 21559268.3/86



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

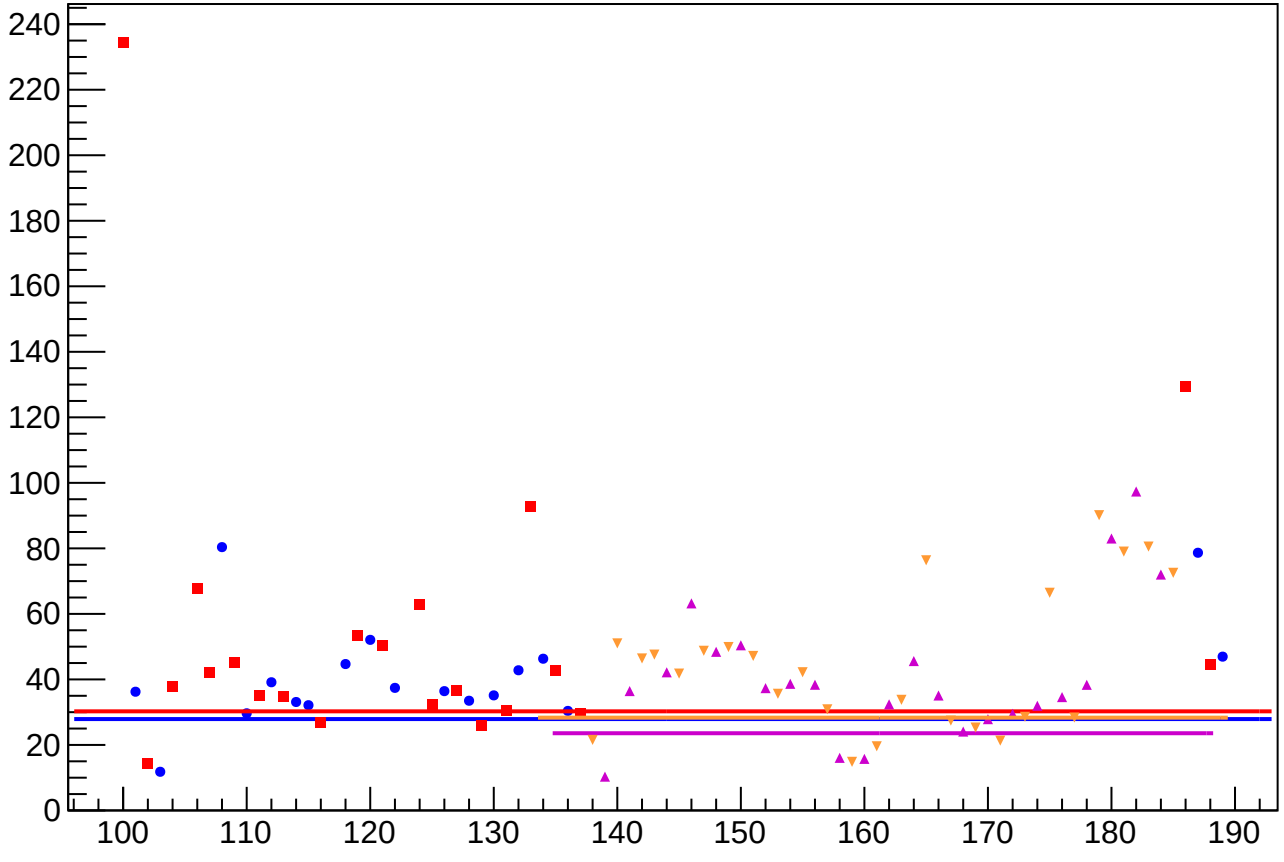
Right: -0.016+/-0.009 χ^2/NDF: 36.9/38

In: -0.000+/-0.006 χ^2/NDF:44.8/40

Out: -0.004+/-0.006 χ^2/NDF:68.9/45

All: -0.002+/-0.004 χ^2/NDF: 113.9/86

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.896+/-0.008 χ^2/NDF: 2712003.0/17

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 30.256+/-0.009 χ^2/NDF: 3093113.9/20

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

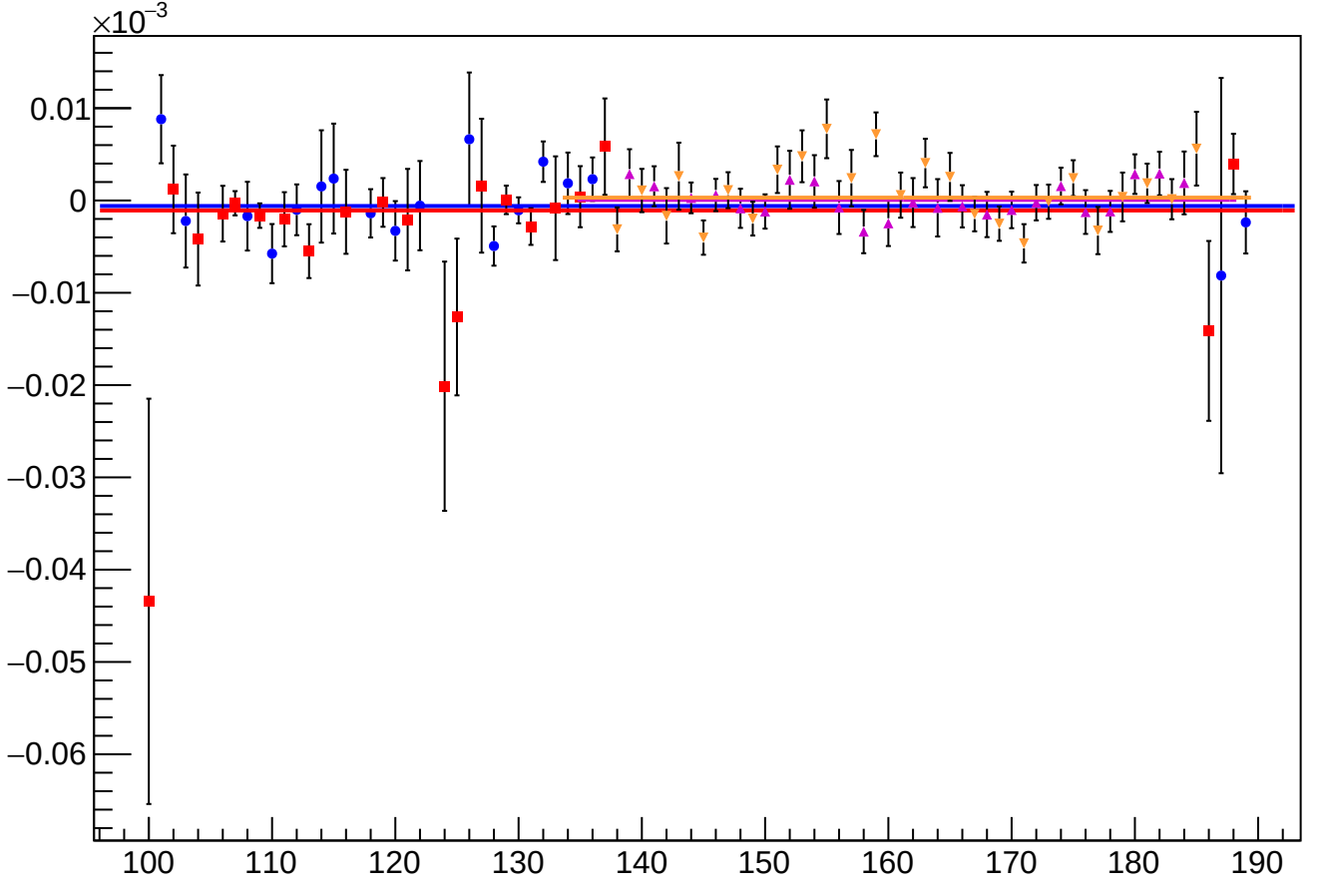
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 29.037+/-0.006 χ^2/NDF: 5843569.8/38

In: 24.647+/-0.004 χ^2/NDF:11176502.1/40

Out: 28.860+/-0.005 χ^2/NDF:9917460.4/45

All: 26.569+/-0.003 χ^2/NDF: 21559268.3/86



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

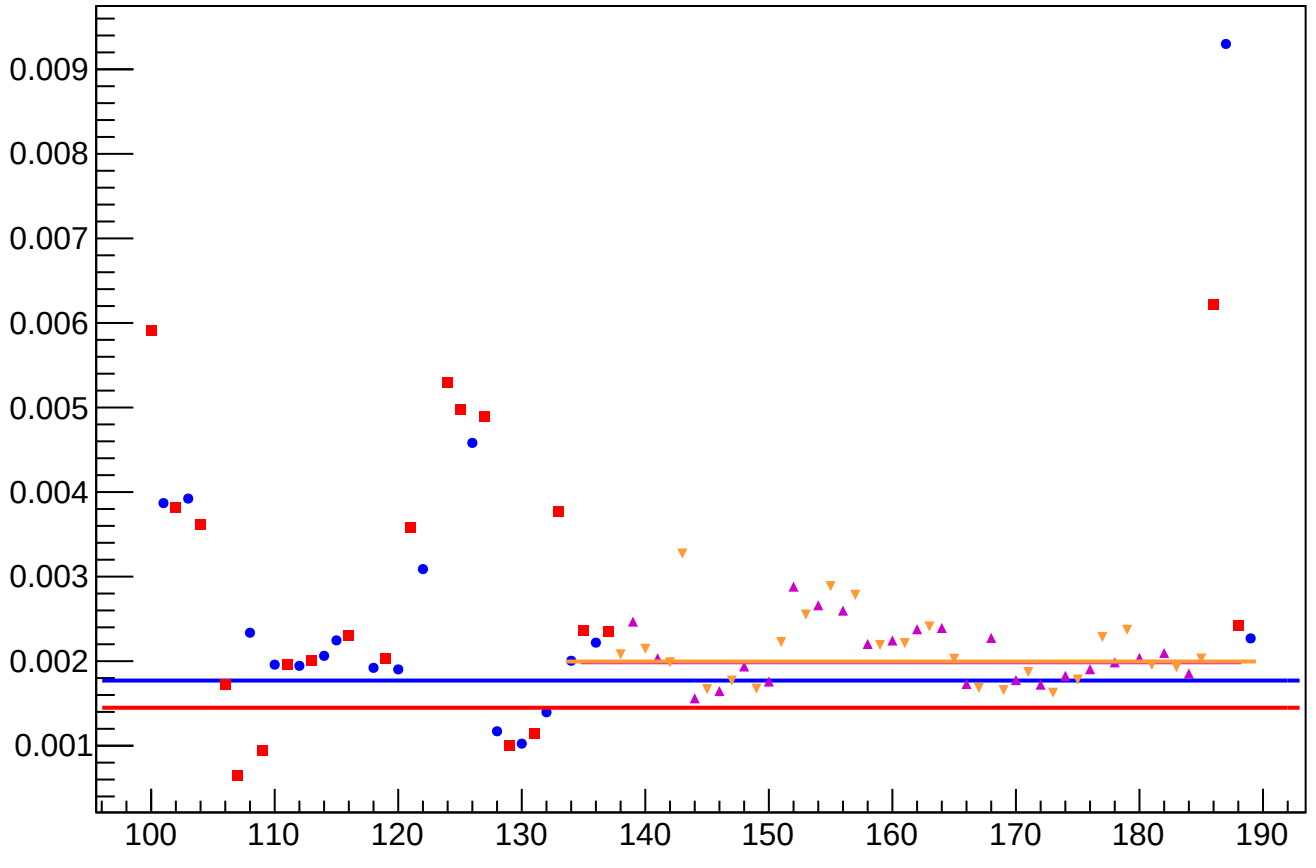
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 39.5/38

In: -0.000+/-0.000 χ^2/NDF:33.1/40

Out: -0.000+/-0.000 χ^2/NDF:67.8/45

All: -0.000+/-0.000 χ^2/NDF: 101.0/86



Right In: 0.002+/-0.000 χ^2/NDF: 2441582.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4994142.2/20

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

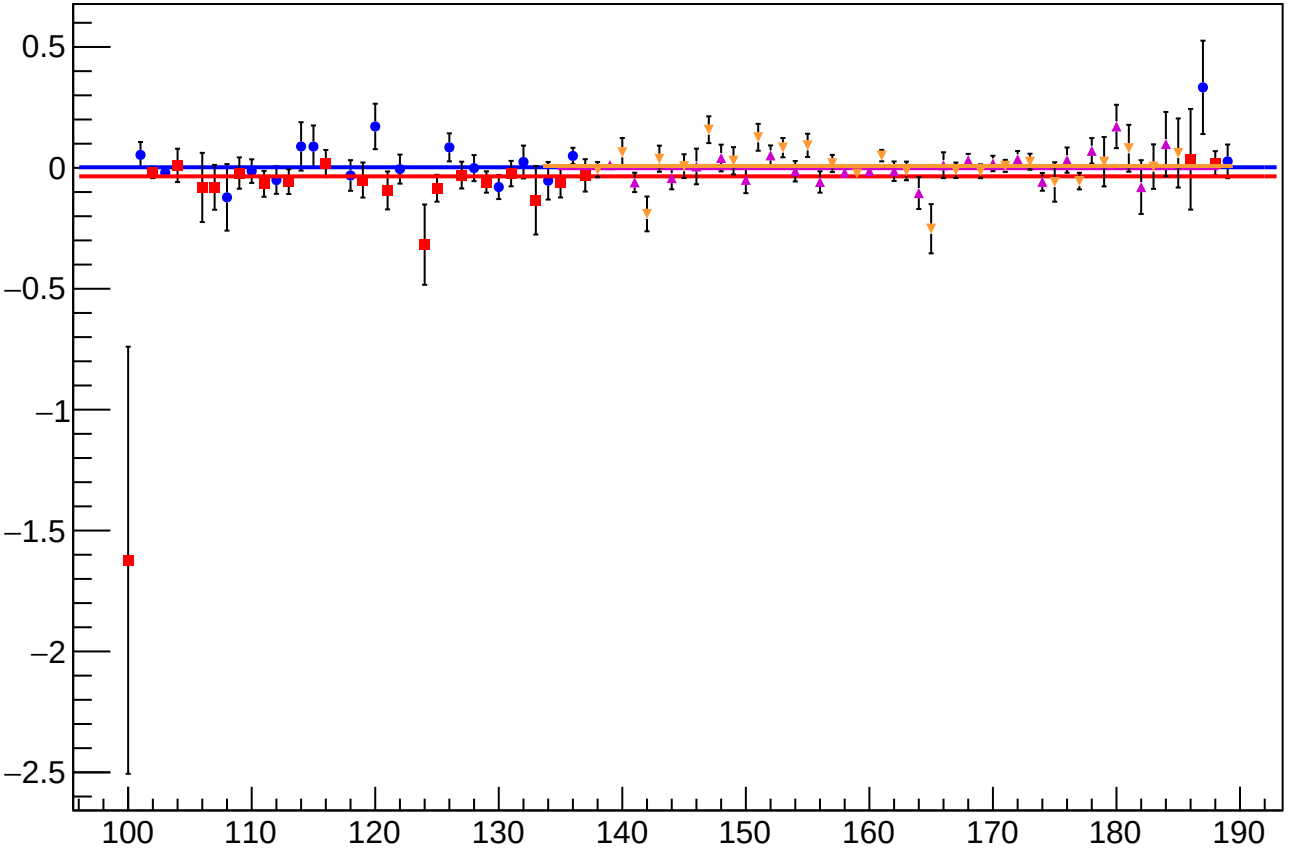
Right: 0.002+/-0.000 χ^2/NDF: 7678594.7/38

In: 0.002+/-0.000 χ^2/NDF:3496715.0/40

Out: 0.002+/-0.000 χ^2/NDF:7208617.9/45

All: 0.002+/-0.000 χ^2/NDF: 10818031.2/86

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

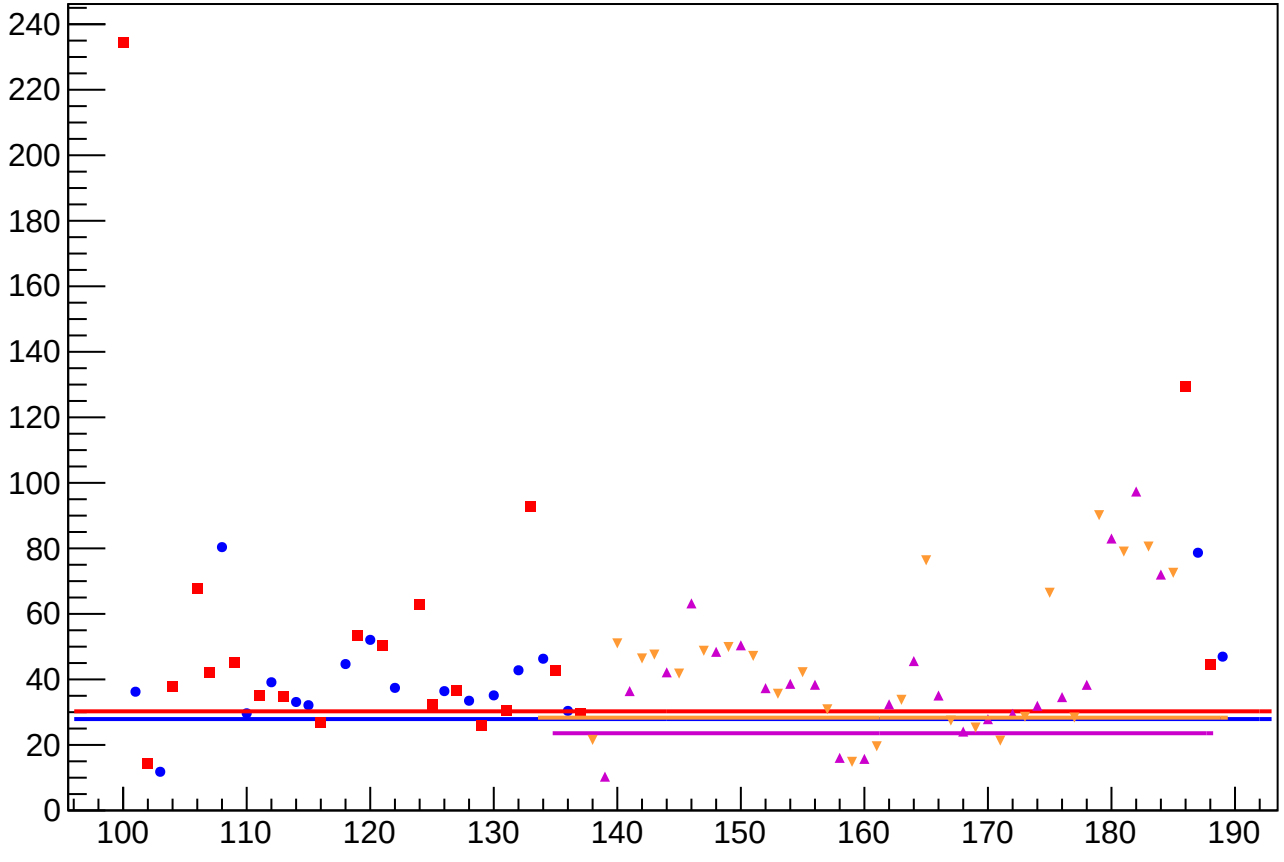
Right: -0.016+/-0.009 χ^2/NDF: 36.9/38

In: -0.000+/-0.006 χ^2/NDF:44.8/40

Out: -0.004+/-0.006 χ^2/NDF:68.9/45

All: -0.002+/-0.004 χ^2/NDF: 113.9/86

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.896+/-0.008 χ^2/NDF: 2712356.2/17

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 30.259+/-0.009 χ^2/NDF: 3092429.4/20

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

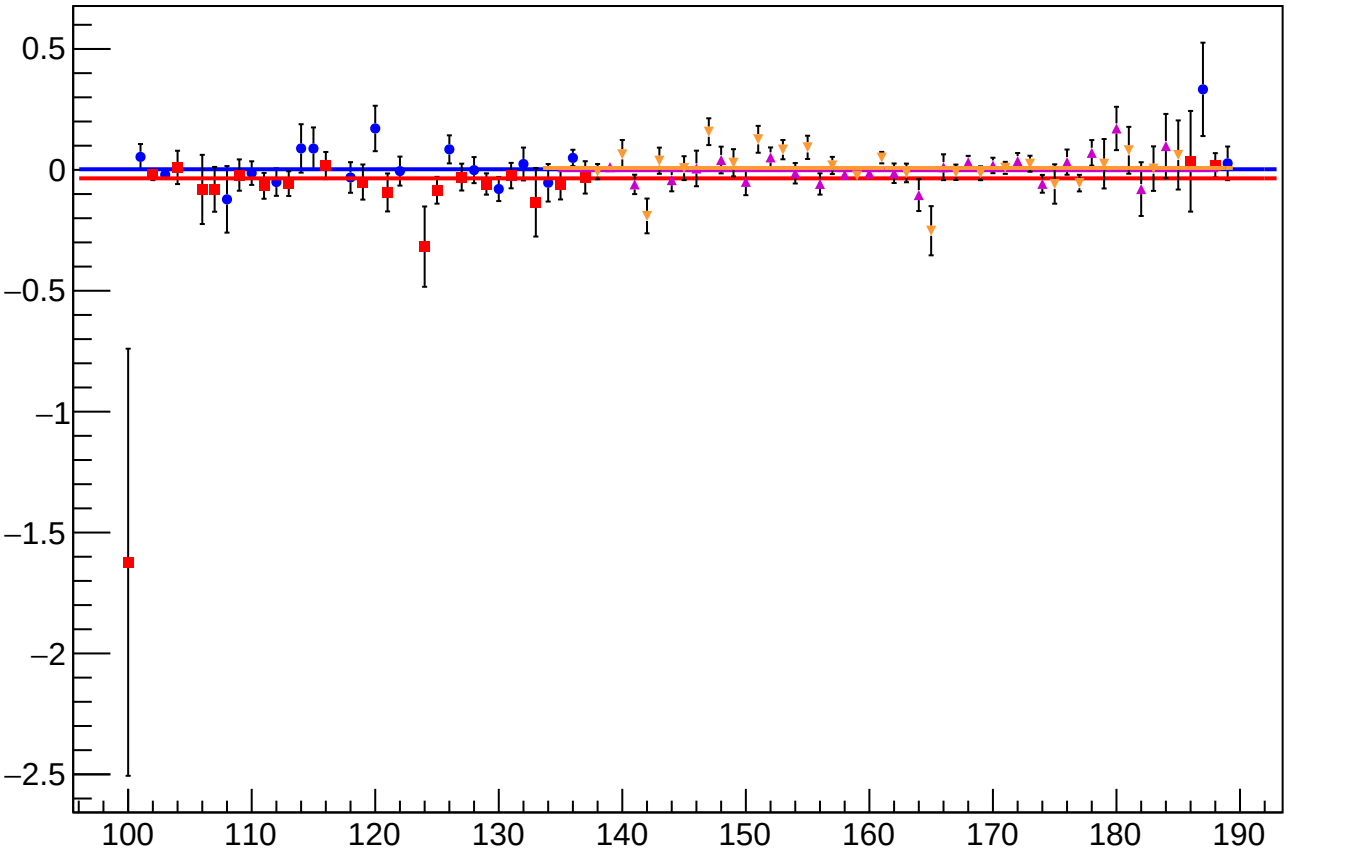
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 29.038+/-0.006 χ^2/NDF: 5843347.1/38

In: 24.646+/-0.004 χ^2/NDF:11177954.4/40

Out: 28.861+/-0.005 χ^2/NDF:9917344.9/45

All: 26.569+/-0.003 χ^2/NDF: 21560938.7/86



Right In: 0.002+/-0.012 χ^2/NDF: 19.6/17

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

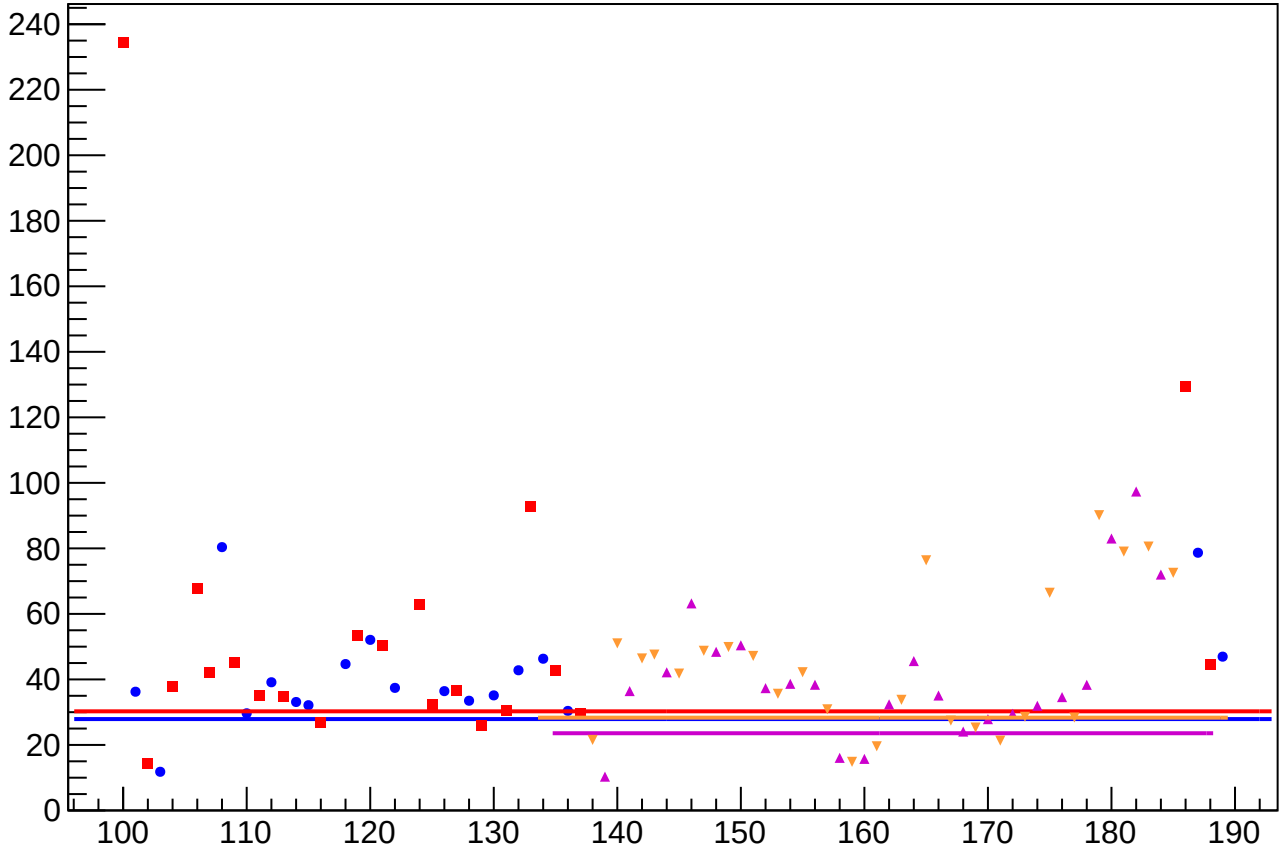
Right: -0.016+/-0.009 χ^2/NDF: 36.9/38

In: -0.000+/-0.006 χ^2/NDF:44.8/40

Out: -0.004+/-0.006 χ^2/NDF:68.9/45

All: -0.002+/-0.004 χ^2/NDF: 113.9/86

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.896+/-0.008 χ^2/NDF: 2712356.2/17

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 30.259+/-0.009 χ^2/NDF: 3092429.4/20

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

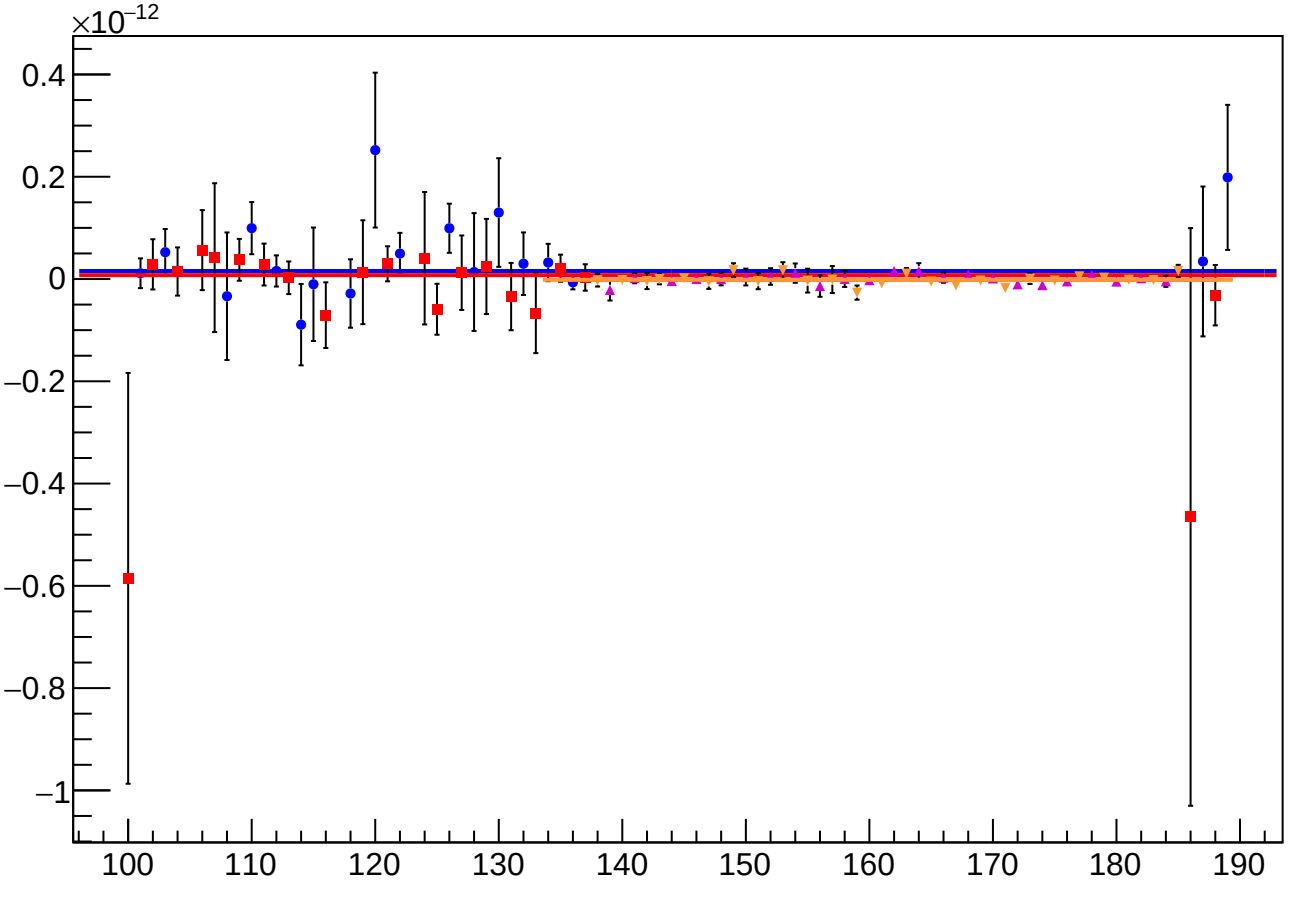
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 29.038+/-0.006 χ^2/NDF: 5843347.1/38

In: 24.646+/-0.004 χ^2/NDF:11177954.4/40

Out: 28.861+/-0.005 χ^2/NDF:9917344.9/45

All: 26.569+/-0.003 χ^2/NDF: 21560938.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10.2/20

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

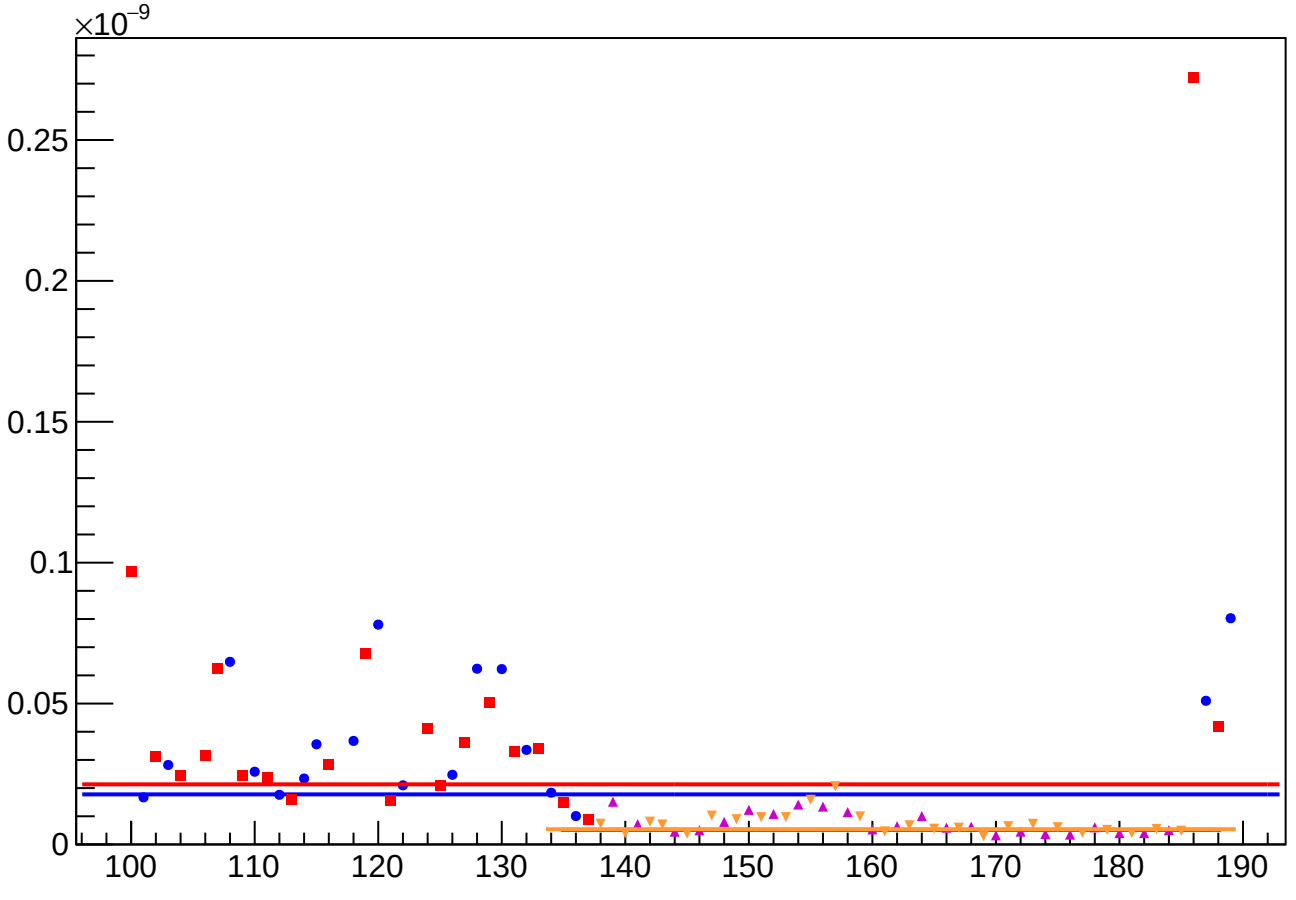
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 28.2/38

In: -0.000+/-0.000 χ^2/NDF:36.7/40

Out: -0.000+/-0.000 χ^2/NDF:28.4/45

All: -0.000+/-0.000 χ^2/NDF: 65.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 2937196.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2570456.5/20

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

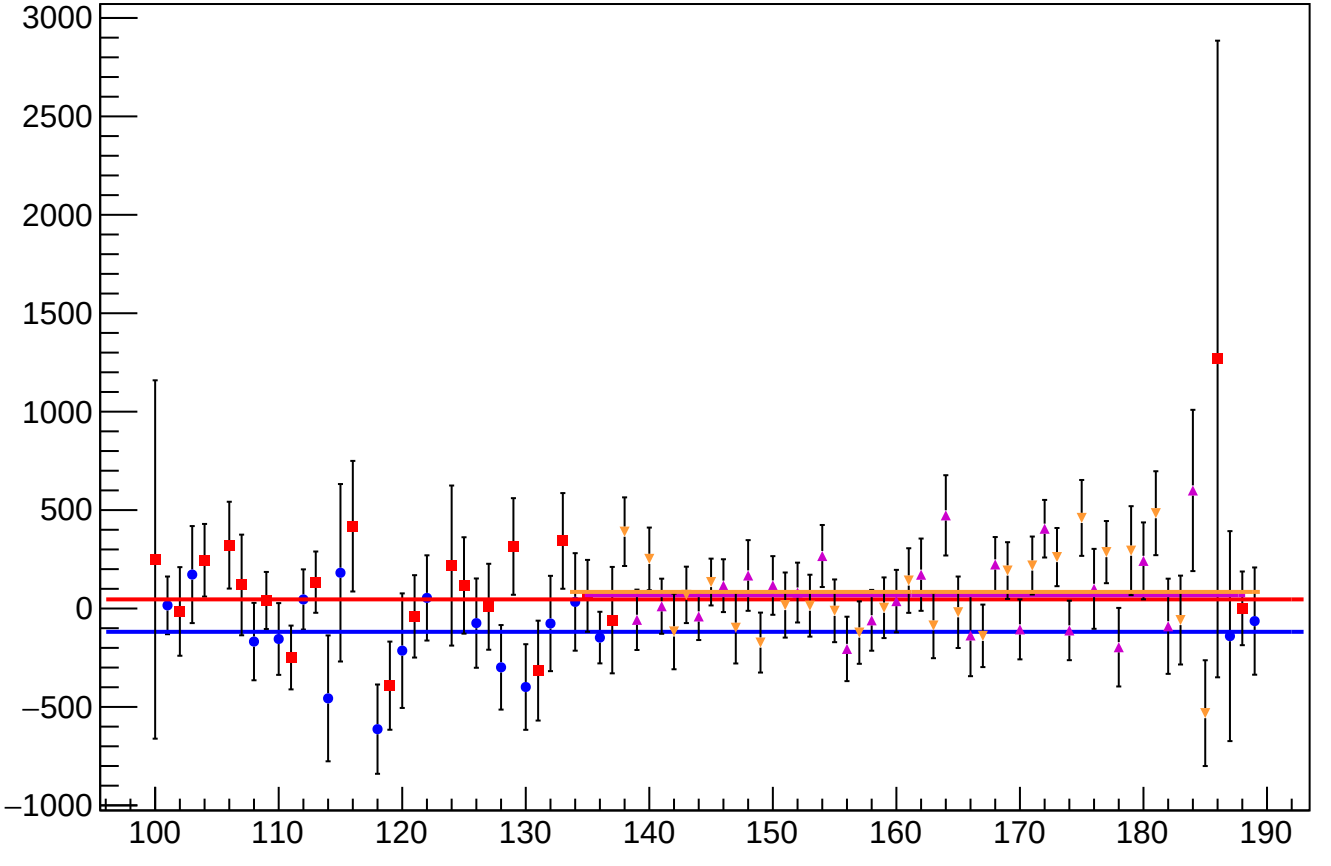
Right: 0.000+/-0.000 χ^2/NDF: 5633677.7/38

In: 0.000+/-0.000 χ^2/NDF:9799648.2/40

Out: 0.000+/-0.000 χ^2/NDF:9993990.4/45

All: 0.000+/-0.000 χ^2/NDF: 19815448.0/86

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -118.438+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 46.377+/-48.203 χ^2/NDF: 17.6/20

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

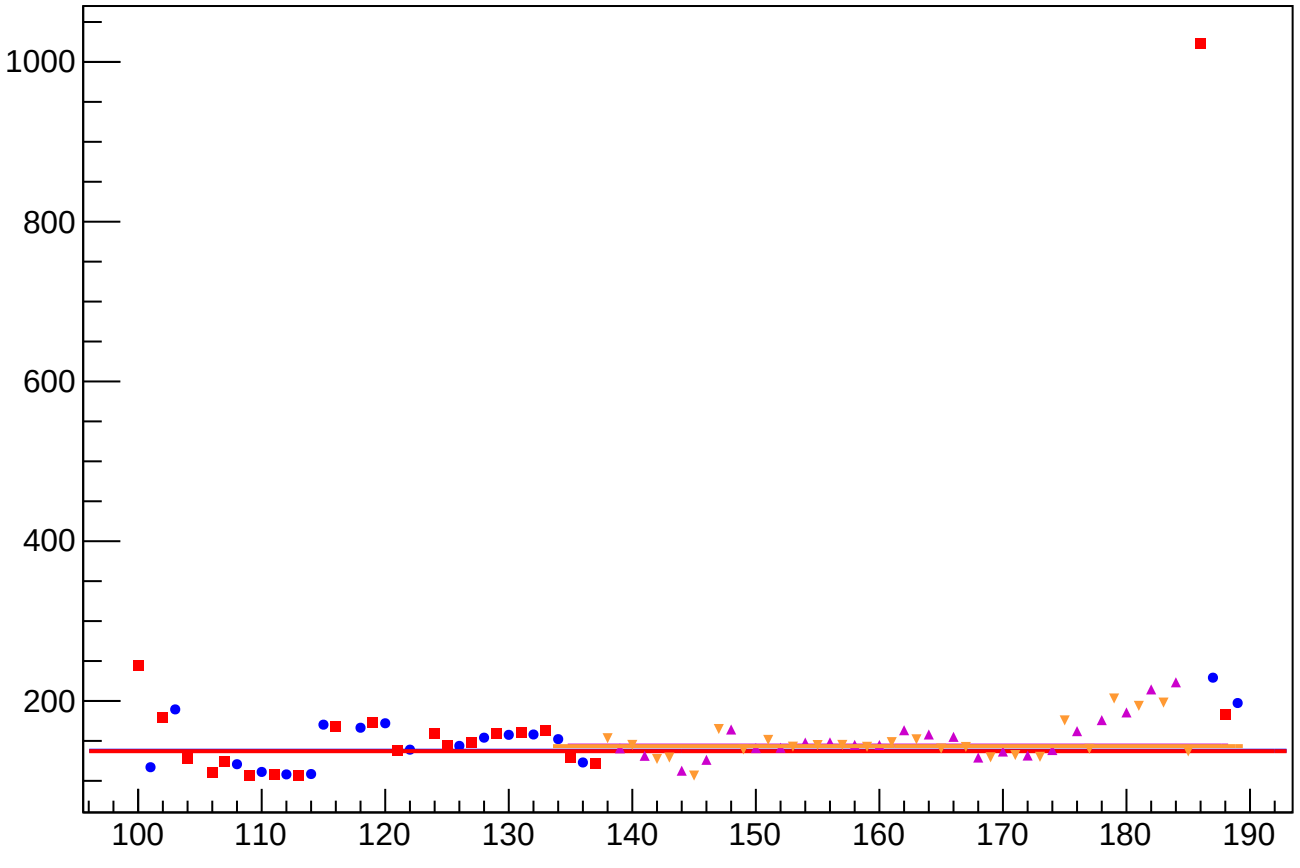
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -33.006+/-34.704 χ^2/NDF: 36.7/38

In: 8.493+/-28.194 χ^2/NDF:49.4/40

Out: 72.197+/-27.250 χ^2/NDF:51.9/45

All: 41.429+/-19.594 χ^2/NDF: 103.9/86



Right In: 137.712+/-0.035 χ^2/NDF: 578306.6/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 137.124+/-0.034 χ^2/NDF: 1229492.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

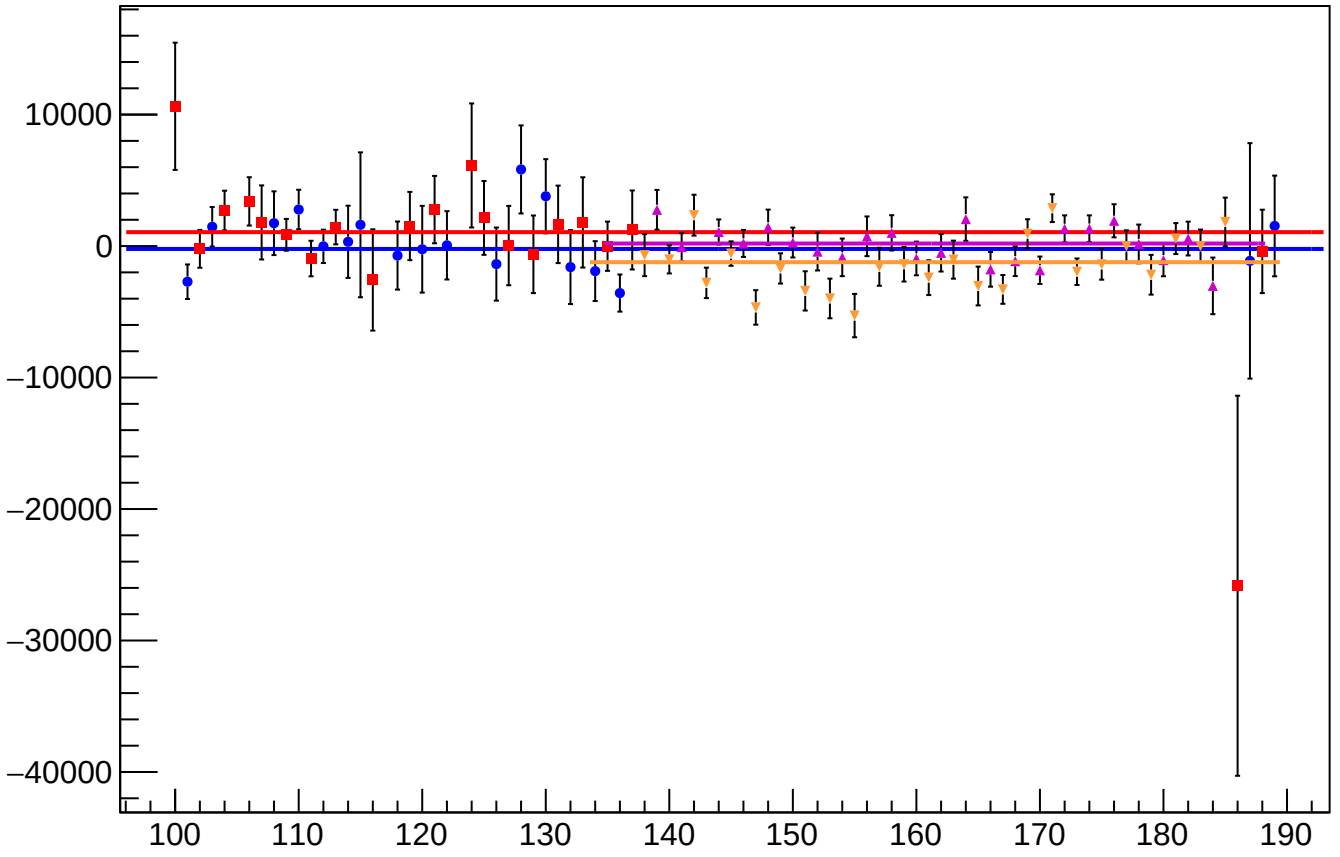
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 137.407+/-0.025 χ^2/NDF: 1807942.1/38

In: 142.118+/-0.020 χ^2/NDF:1303774.8/40

Out: 141.424+/-0.019 χ^2/NDF:1999921.2/45

All: 141.759+/-0.014 χ^2/NDF: 3304321.7/86



Right In: -219.227+/-496.405 χ^2/NDF: 21.8/17

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1059.247+/-463.138 χ^2/NDF: 17.1/20

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

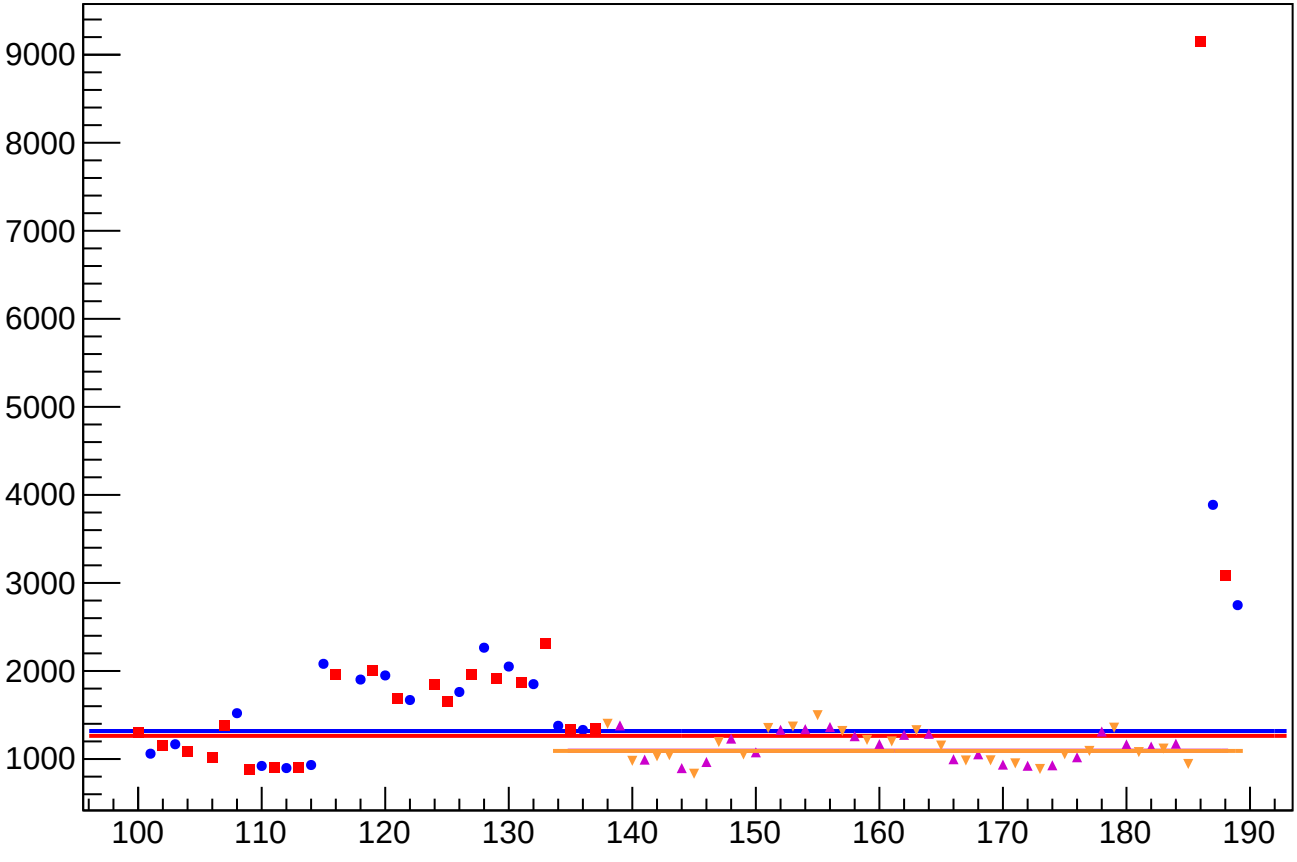
Right: 464.281+/-338.638 χ^2/NDF: 42.5/38

In: 105.469+/-229.570 χ^2/NDF:45.7/40

Out: -703.989+/-221.196 χ^2/NDF:95.1/45

All: -314.291+/-159.287 χ^2/NDF: 147.2/86

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1318.233+/-0.351 χ^2/NDF: 1622190.1/17

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1263.153+/-0.327 χ^2/NDF: 2659444.3/20

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

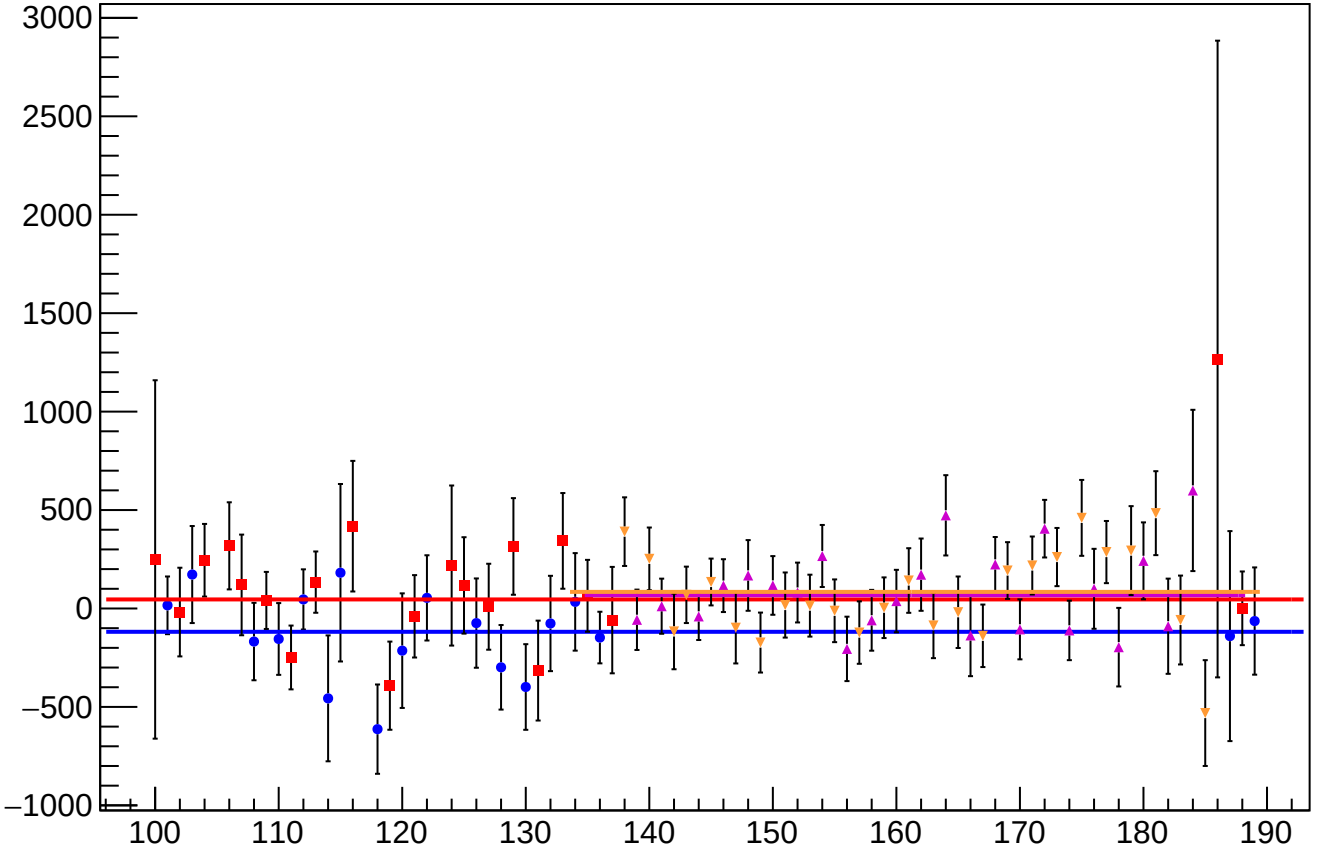
Right: 1288.786+/-0.239 χ^2/NDF: 4294798.4/38

In: 1142.334+/-0.162 χ^2/NDF:2674607.9/40

Out: 1131.025+/-0.156 χ^2/NDF:3762769.2/45

All: 1136.469+/-0.113 χ^2/NDF: 6439893.7/86

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -118.447+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 45.968+/-48.211 χ^2/NDF: 17.6/20

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

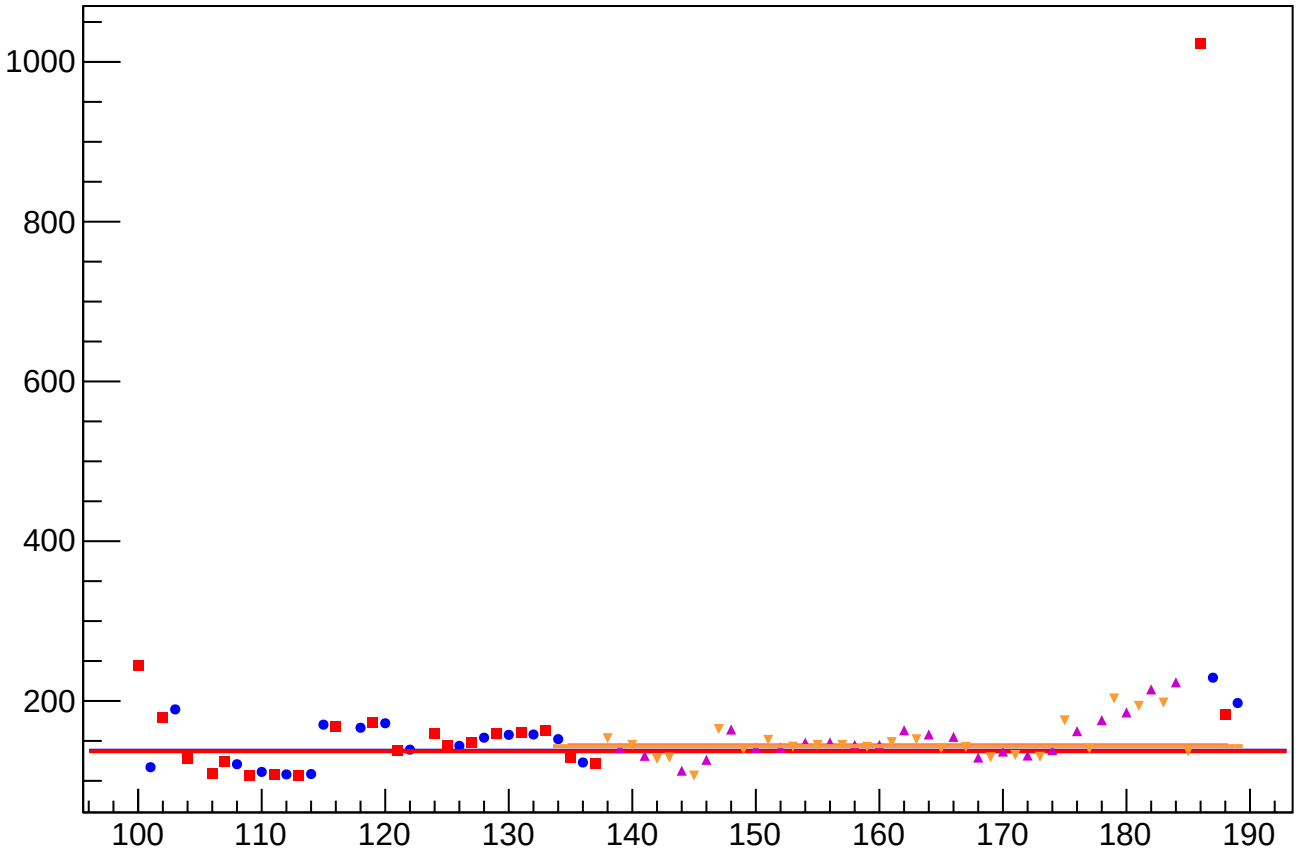
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -33.237+/-34.708 χ^2/NDF: 36.6/38

In: 8.491+/-28.194 χ^2/NDF:49.4/40

Out: 72.078+/-27.252 χ^2/NDF:51.8/45

All: 41.365+/-19.594 χ^2/NDF: 103.9/86



Right In: 137.712+/-0.035 χ^2/NDF: 578309.5/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 137.058+/-0.034 χ^2/NDF: 1233098.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

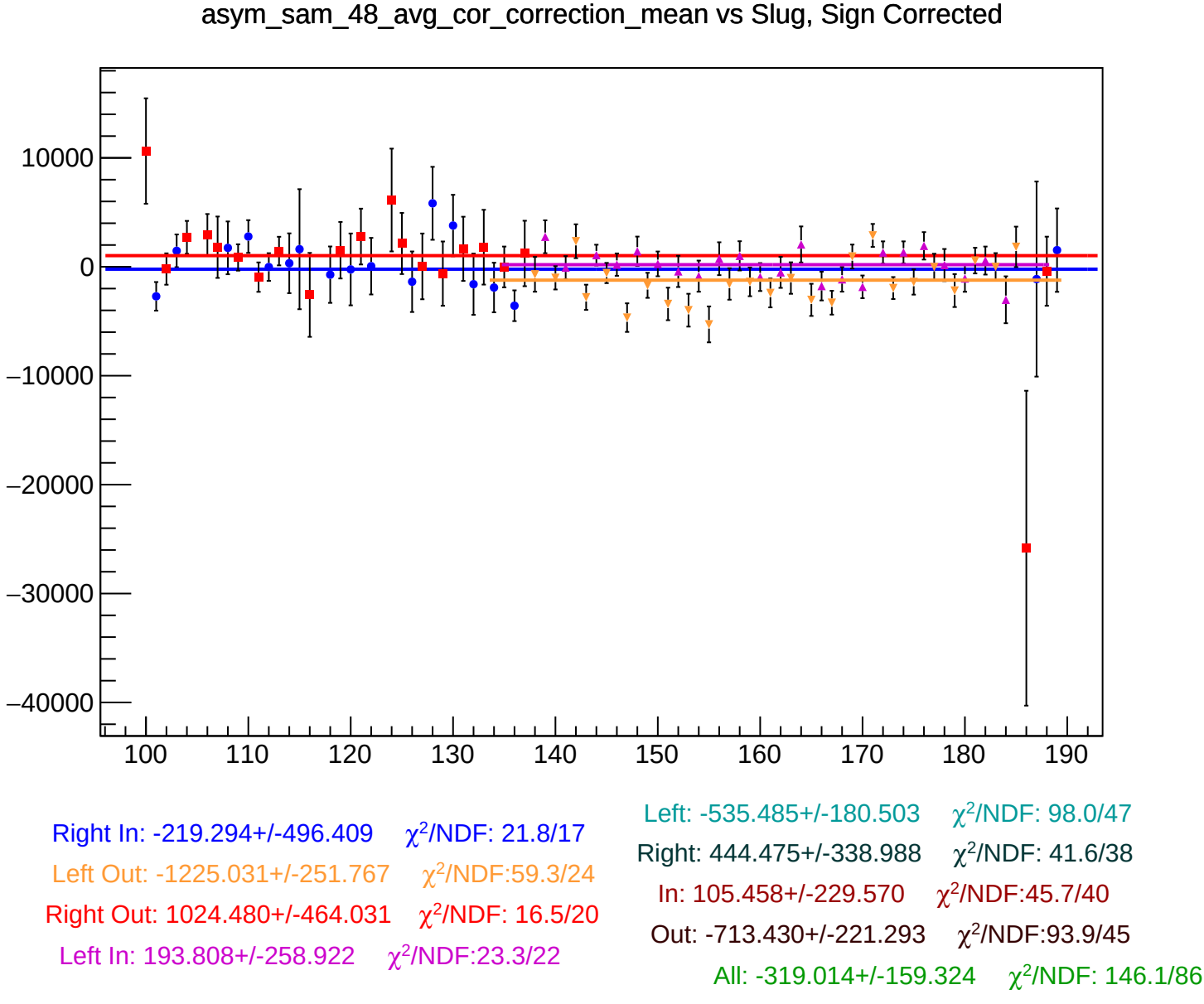
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

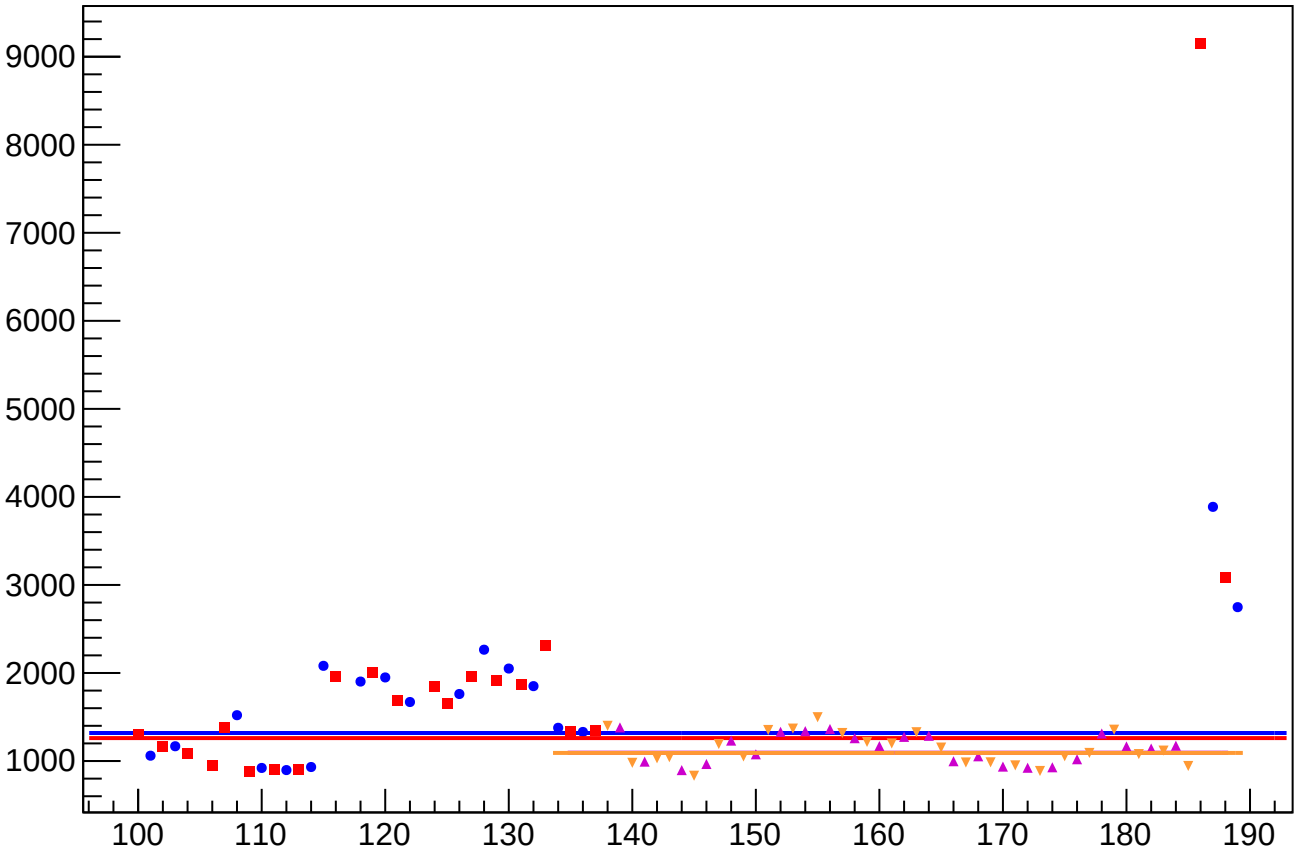
Right: 137.373+/-0.025 χ^2/NDF: 1811585.0/38

In: 142.118+/-0.020 χ^2/NDF:1303777.6/40

Out: 141.403+/-0.019 χ^2/NDF:2004013.6/45

All: 141.748+/-0.014 χ^2/NDF: 3308454.8/86


asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -219.294+/-496.409 χ²/NDF: 21.8/17
Left Out: -1225.031+/-251.767 χ²/NDF:59.3/24
Right Out: 1024.480+/-464.031 χ²/NDF: 16.5/20
Left In: 193.808+/-258.922 χ²/NDF:23.3/22
Left: -535.485+/-180.503 χ²/NDF: 98.0/47
Right: 444.475+/-338.988 χ²/NDF: 41.6/38
In: 105.458+/-229.570 χ²/NDF:45.7/40
Out: -713.430+/-221.293 χ²/NDF:93.9/45
All: -319.014+/-159.324 χ²/NDF: 146.1/86



Right In: 1318.247+/-0.351 χ^2/NDF: 1622158.1/17

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1260.443+/-0.328 χ^2/NDF: 2676295.2/20

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

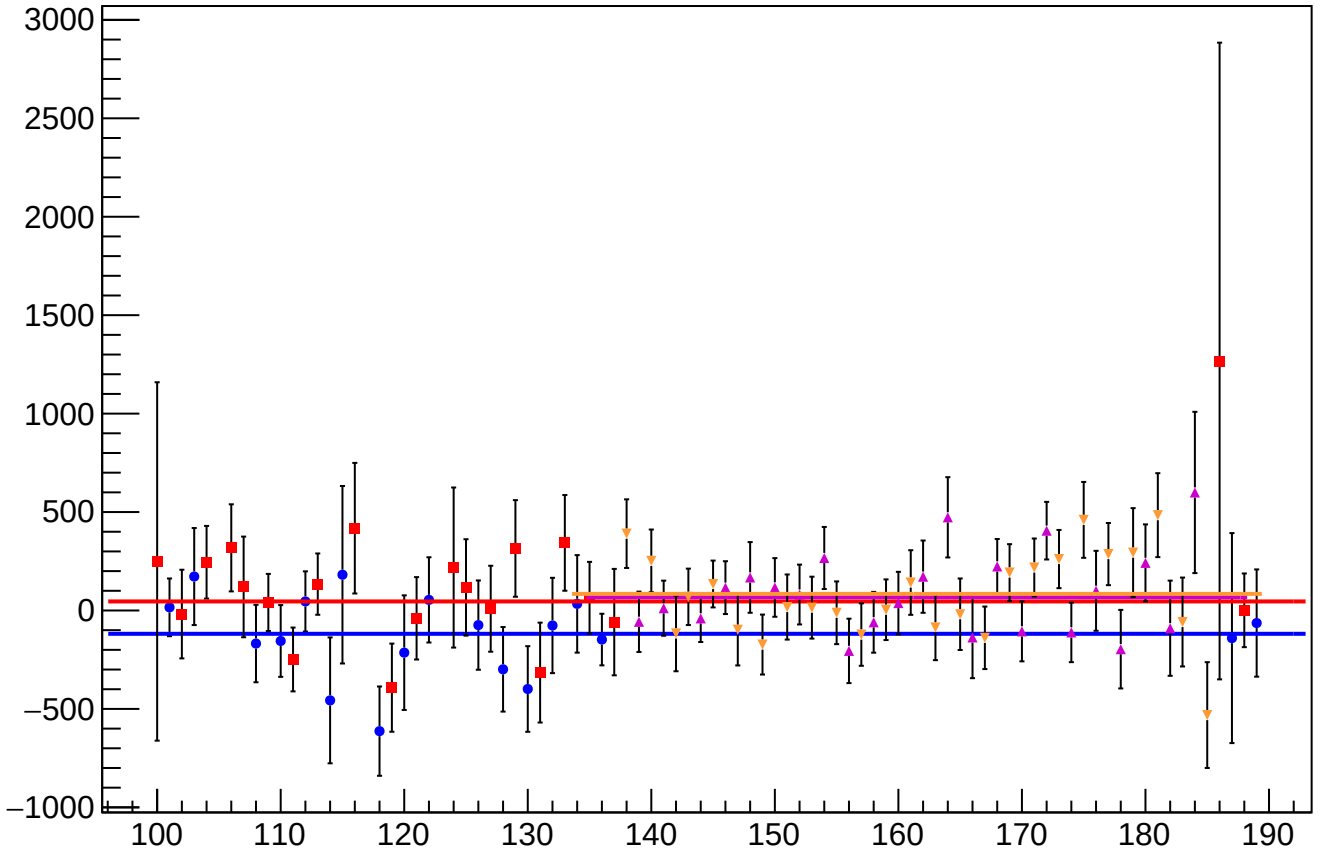
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1287.398+/-0.240 χ^2/NDF: 4312925.5/38

In: 1142.336+/-0.162 χ^2/NDF:2674610.8/40

Out: 1130.293+/-0.156 χ^2/NDF:3772388.3/45

All: 1136.093+/-0.113 χ^2/NDF: 6449852.2/86



Right In: -118.447+/-50.006 χ^2/NDF: 13.5/17

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 45.968+/-48.211 χ^2/NDF: 17.6/20

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

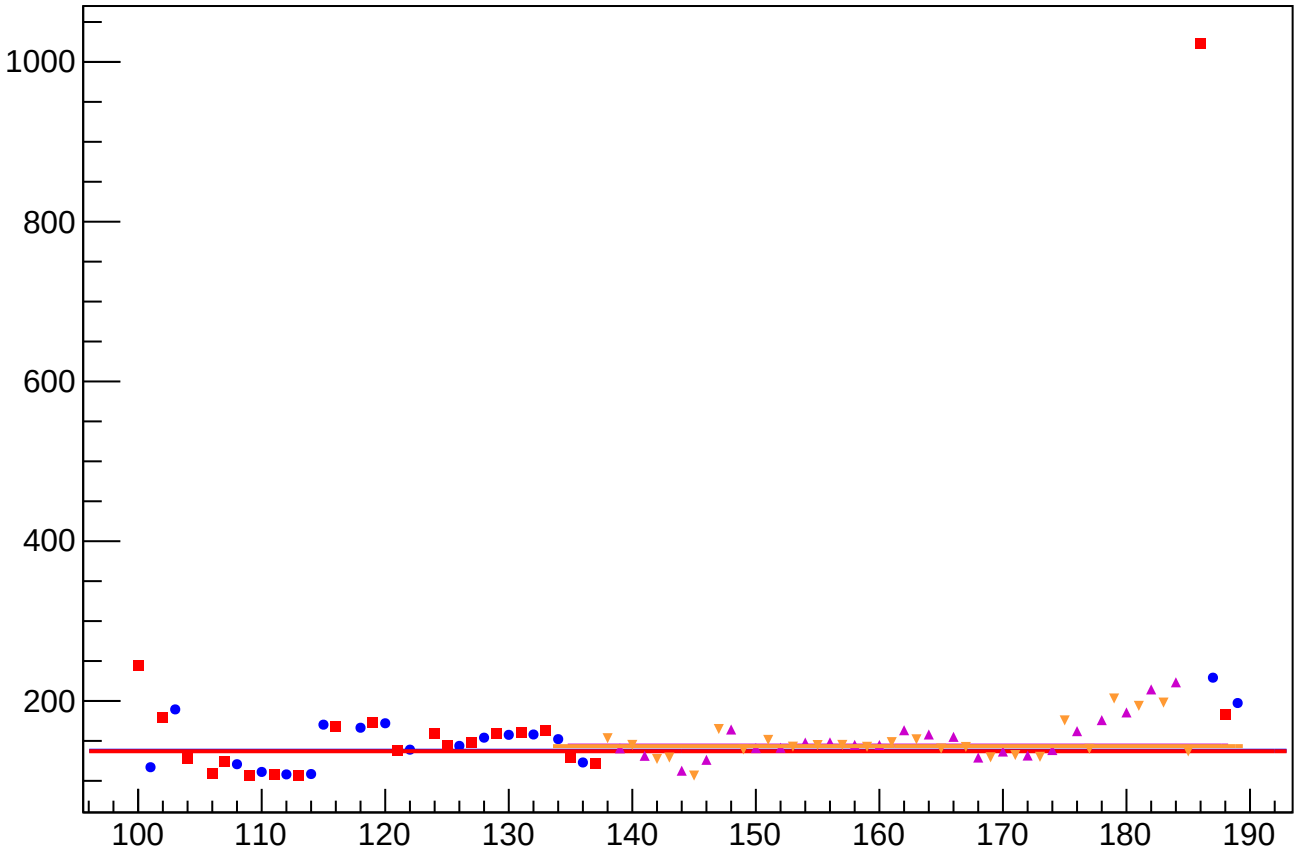
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -33.237+/-34.708 χ^2/NDF: 36.6/38

In: 8.491+/-28.194 χ^2/NDF:49.4/40

Out: 72.078+/-27.252 χ^2/NDF:51.8/45

All: 41.365+/-19.594 χ^2/NDF: 103.9/86



Right In: 137.712+/-0.035 χ^2/NDF: 578309.5/17

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 137.058+/-0.034 χ^2/NDF: 1233098.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

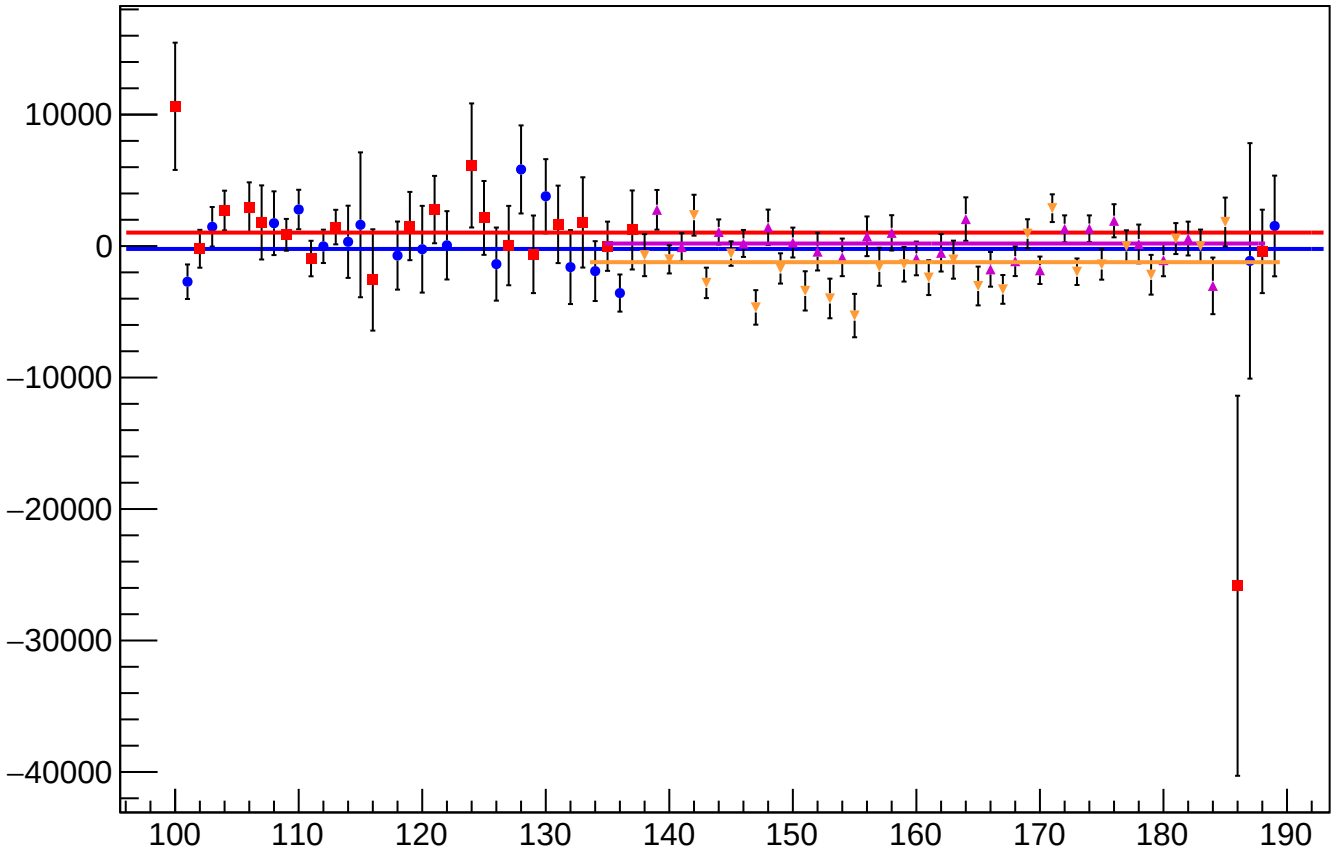
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 137.373+/-0.025 χ^2/NDF: 1811585.0/38

In: 142.118+/-0.020 χ^2/NDF:1303777.6/40

Out: 141.403+/-0.019 χ^2/NDF:2004013.6/45

All: 141.748+/-0.014 χ^2/NDF: 3308454.8/86



Right In: -219.294+/-496.409 χ^2/NDF: 21.8/17

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1024.480+/-464.031 χ^2/NDF: 16.5/20

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

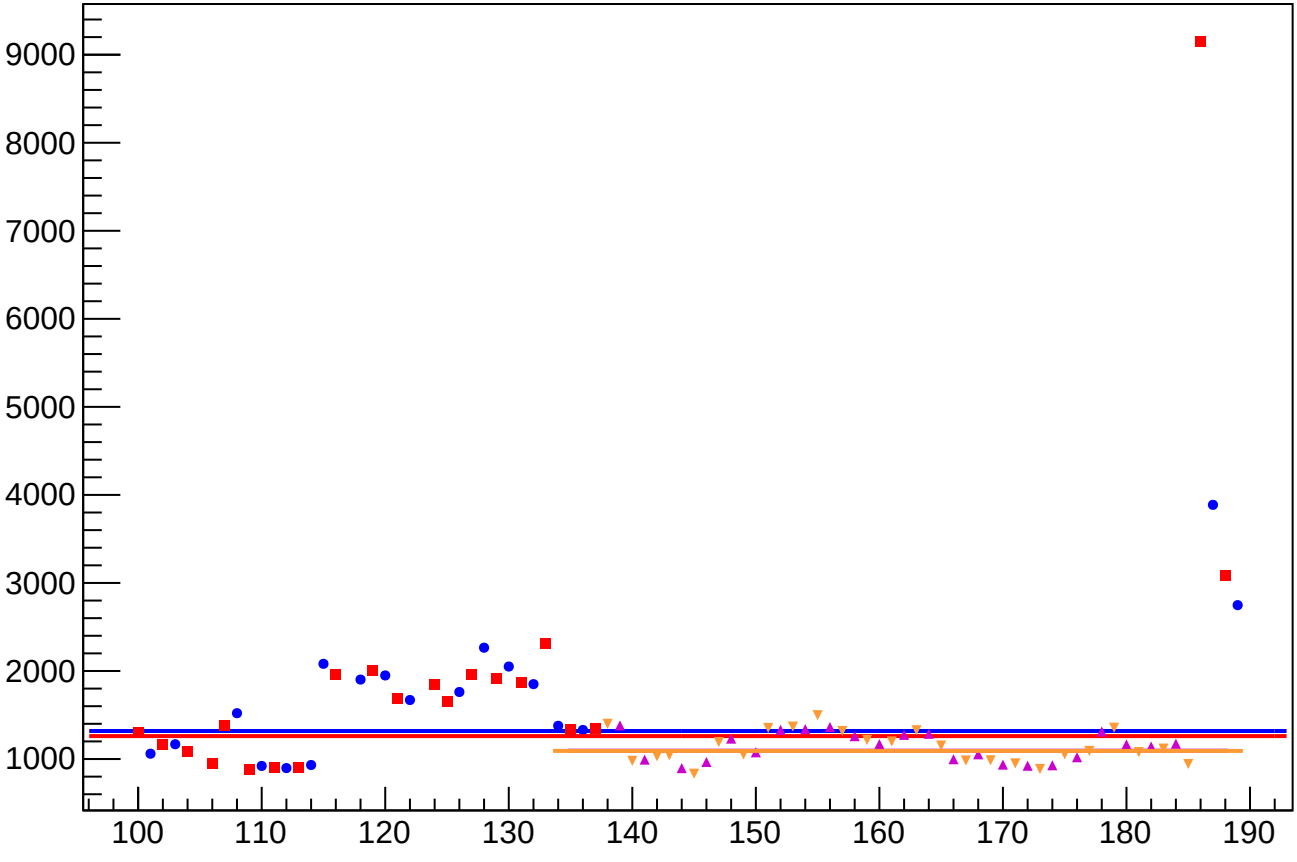
Right: 444.475+/-338.988 χ^2/NDF: 41.6/38

In: 105.458+/-229.570 χ^2/NDF:45.7/40

Out: -713.430+/-221.293 χ^2/NDF:93.9/45

All: -319.014+/-159.324 χ^2/NDF: 146.1/86

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1318.247+/-0.351 χ^2/NDF: 1622158.1/17

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1260.443+/-0.328 χ^2/NDF: 2676295.2/20

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

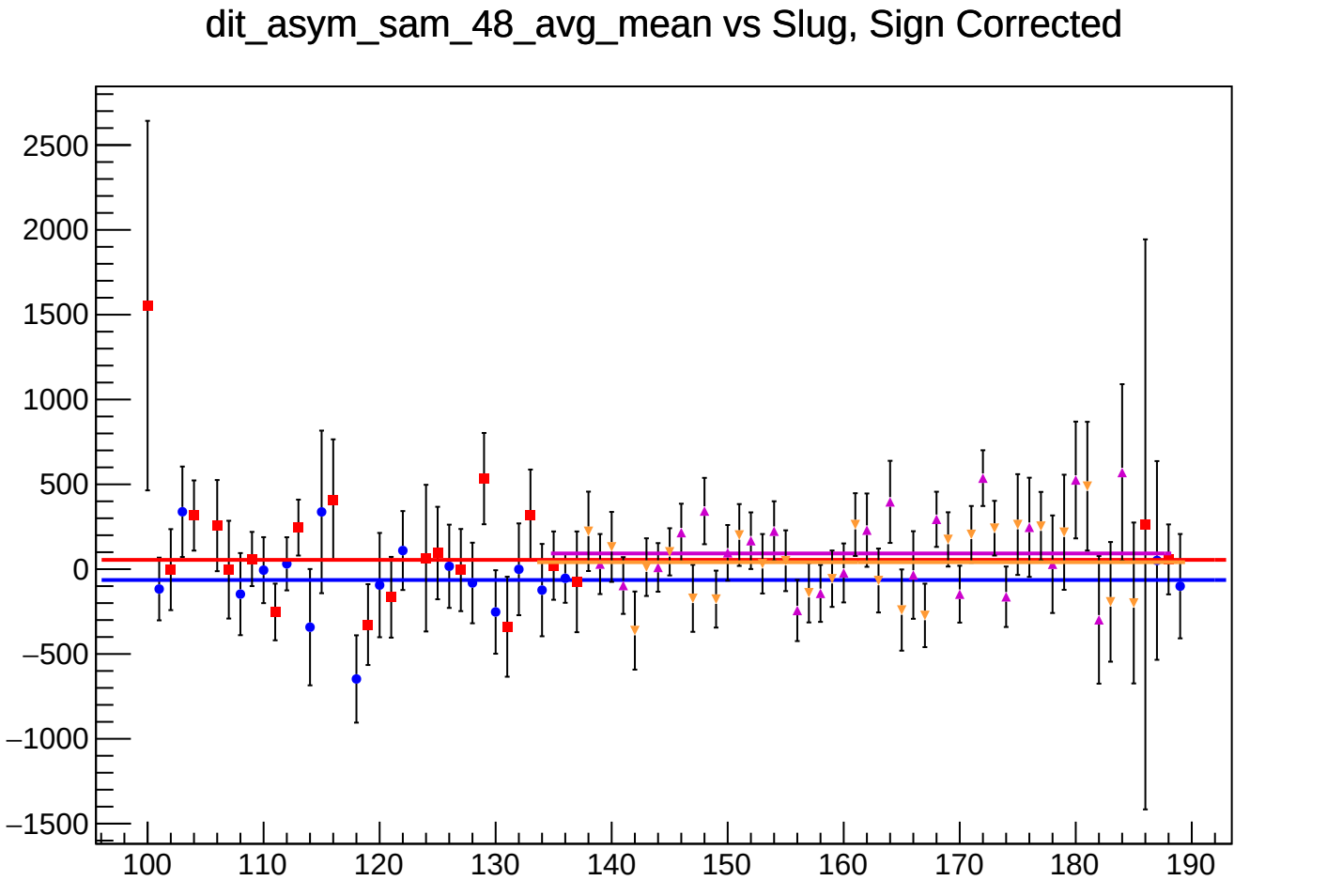
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1287.398+/-0.240 χ^2/NDF: 4312925.5/38

In: 1142.336+/-0.162 χ^2/NDF:2674610.8/40

Out: 1130.293+/-0.156 χ^2/NDF:3772388.3/45

All: 1136.093+/-0.113 χ^2/NDF: 6449852.2/86



Right In: -63.937+/-55.541 χ^2/NDF: 10.9/17

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 54.728+/-52.883 χ^2/NDF: 19.5/20

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

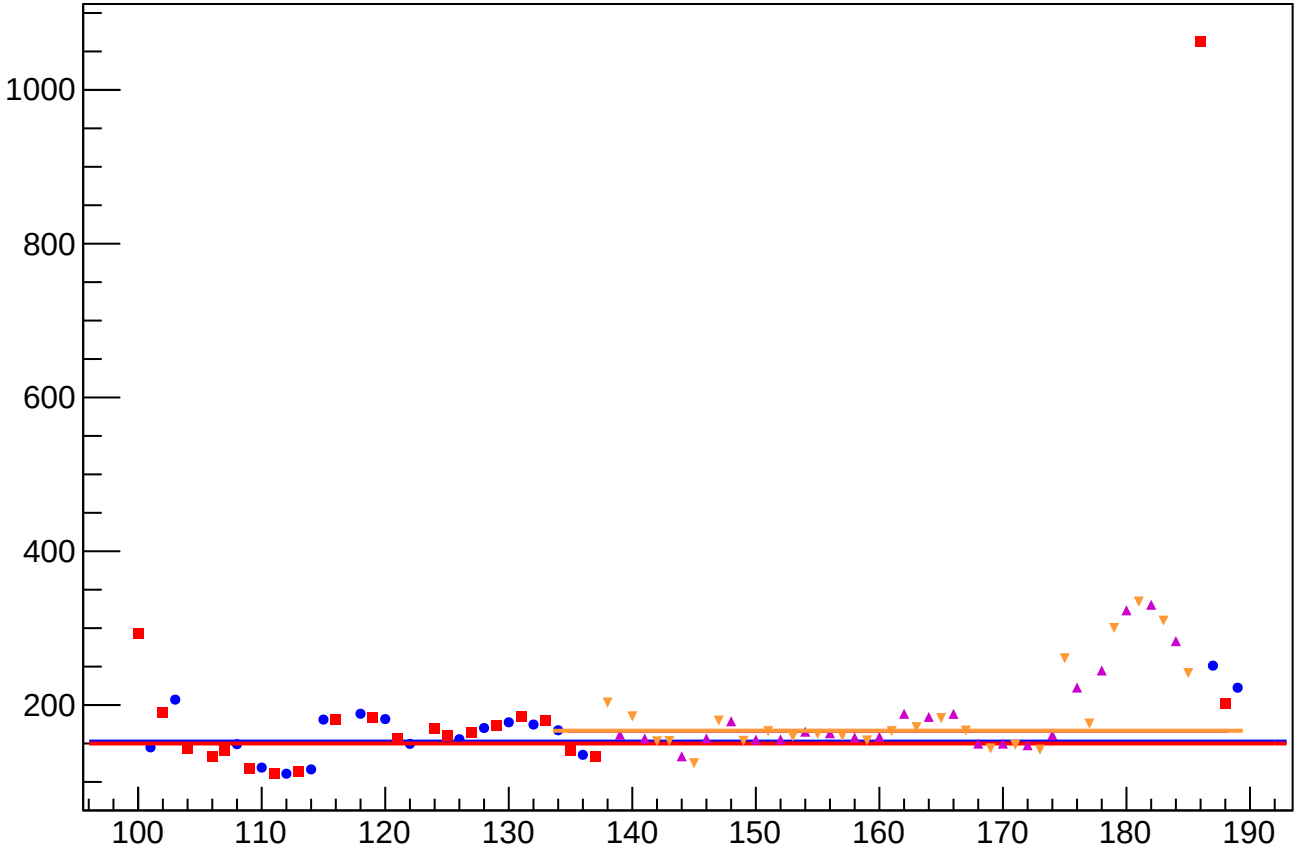
Right: -1.698+/-38.299 χ^2/NDF: 32.8/38

In: 38.818+/-32.547 χ^2/NDF:45.6/40

Out: 45.920+/-31.480 χ^2/NDF:41.9/45

All: 42.487+/-22.627 χ^2/NDF: 87.5/86

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 152.443+/-0.039 χ^2/NDF: 618642.9/17

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 149.998+/-0.037 χ^2/NDF: 1255047.1/20

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

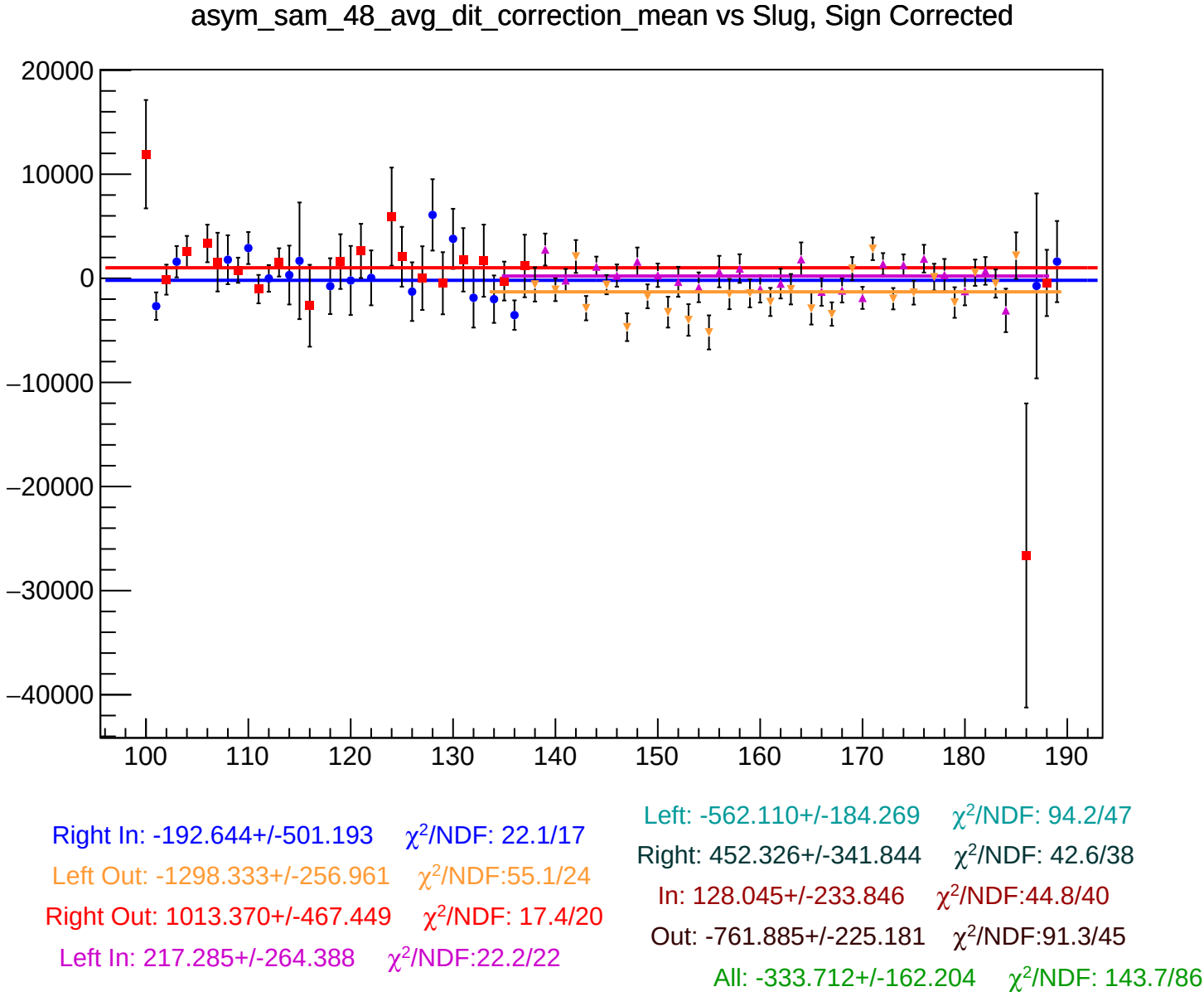
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 151.160+/-0.027 χ^2/NDF: 1875723.1/38

In: 161.547+/-0.023 χ^2/NDF:2092951.0/40

Out: 160.716+/-0.022 χ^2/NDF:3102133.2/45

All: 161.118+/-0.016 χ^2/NDF: 5195757.4/86


asym_sam_48_avg_dit_correction_mean vs Slug, Sign Corrected
20000
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−20000
−30000
−40000
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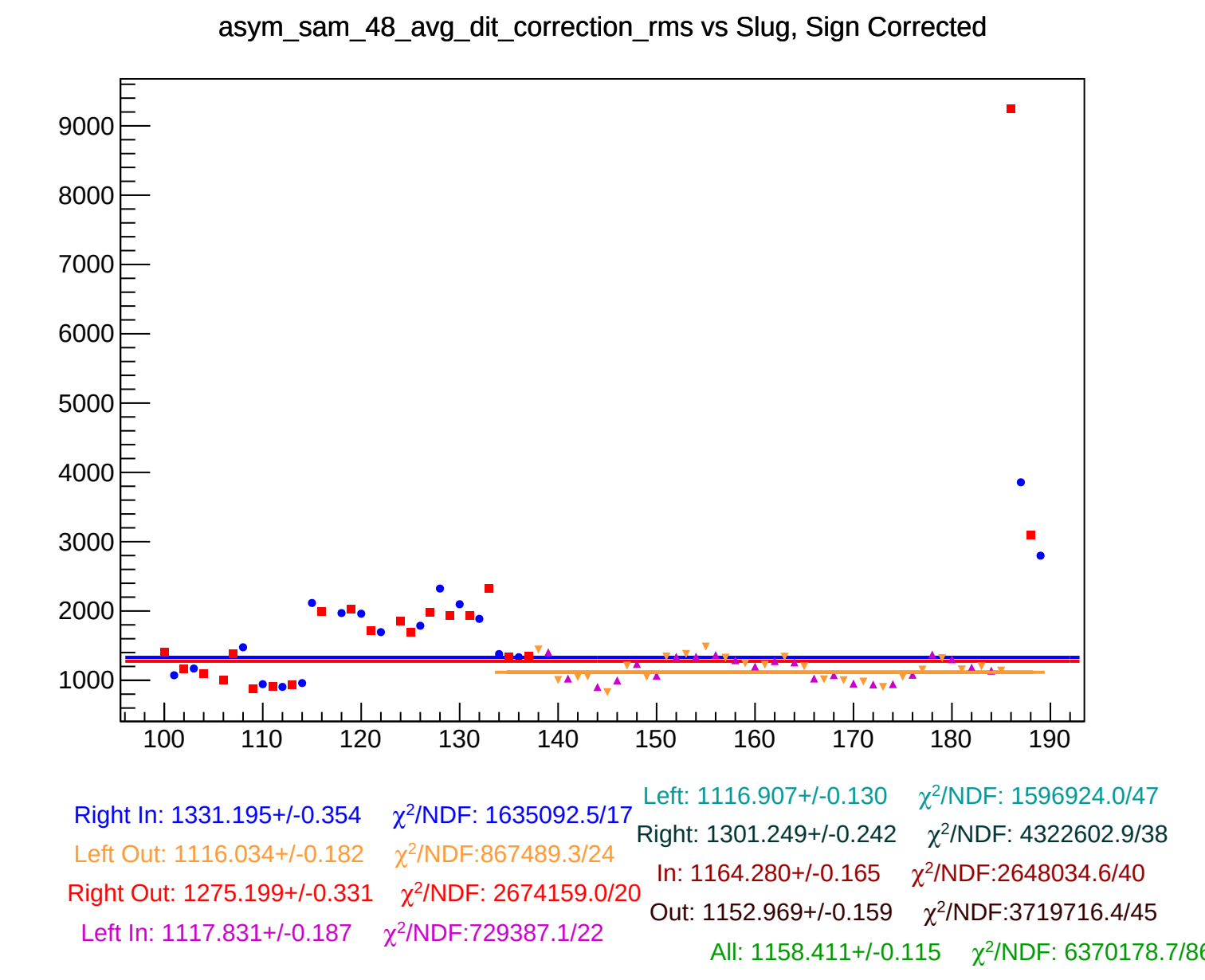
120
130
140
150
160
170
180
190
Right In: -192.644+/-501.193 χ²/NDF: 22.1/17
Left Out: -1298.333+/-256.961 χ²/NDF:55.1/24
Right Out: 1013.370+/-467.449 χ²/NDF: 17.4/20
Left In: 217.285+/-264.388 χ²/NDF:22.2/22
Left: -562.110+/-184.269 χ²/NDF: 94.2/47
Right: 452.326+/-341.844 χ²/NDF: 42.6/38
In: 128.045+/-233.846 χ²/NDF:44.8/40
Out: -761.885+/-225.181 χ²/NDF:91.3/45
All: -333.712+/-162.204 χ²/NDF: 143.7/86


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
9000
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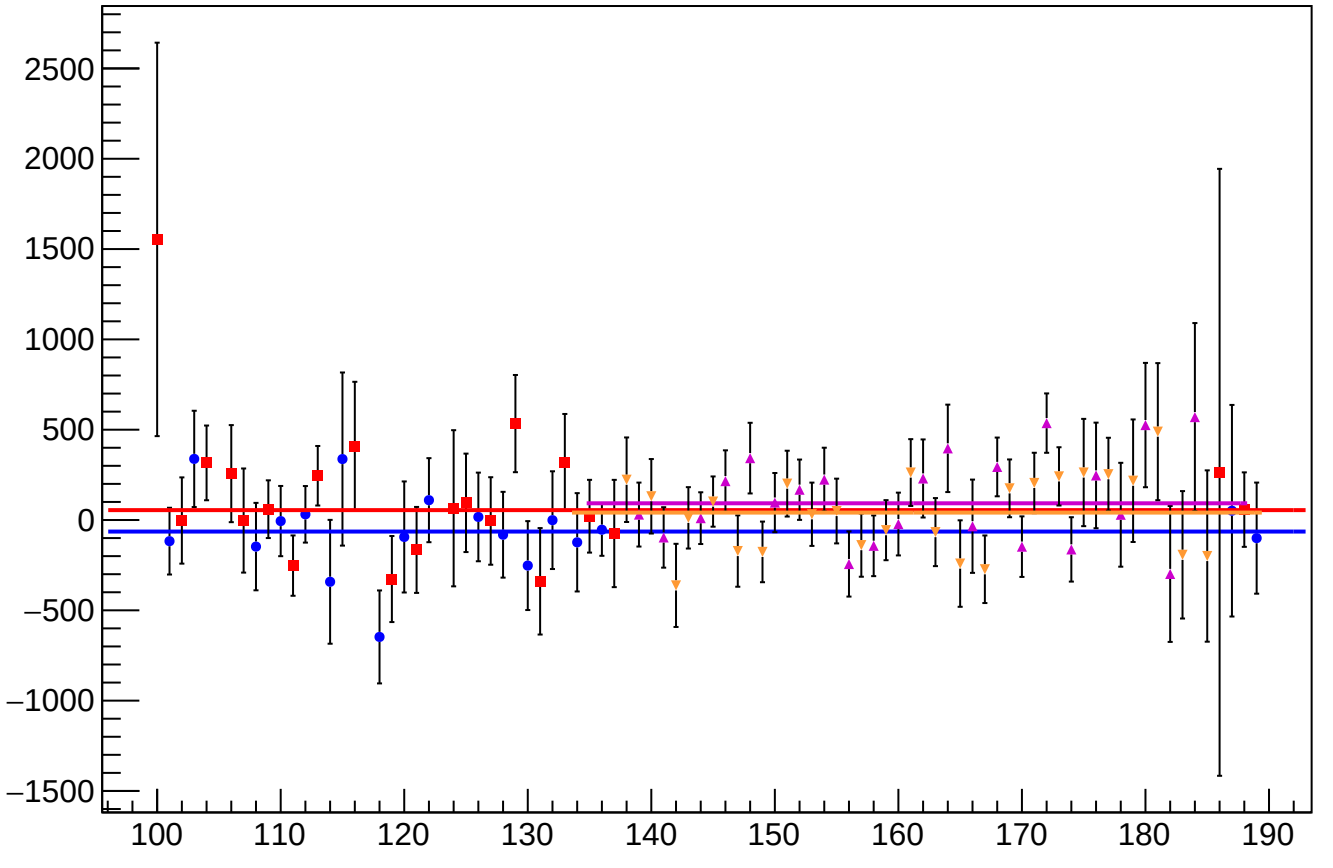
100
110
120
130
140
150
160
170
180
190
Right In: 1331.195+/-0.354 χ²/NDF: 1635092.5/17
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1275.199+/-0.331 χ²/NDF: 2674159.0/20
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1301.249+/-0.242 χ²/NDF: 4322602.9/38
In: 1164.280+/-0.165 χ²/NDF:2648034.6/40
Out: 1152.969+/-0.159 χ²/NDF:3719716.4/45
All: 1158.411+/-0.115 χ²/NDF: 6370178.7/86



Right In: -63.934+/-55.541 χ^2/NDF: 10.9/17

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 54.728+/-52.883 χ^2/NDF: 19.5/20

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

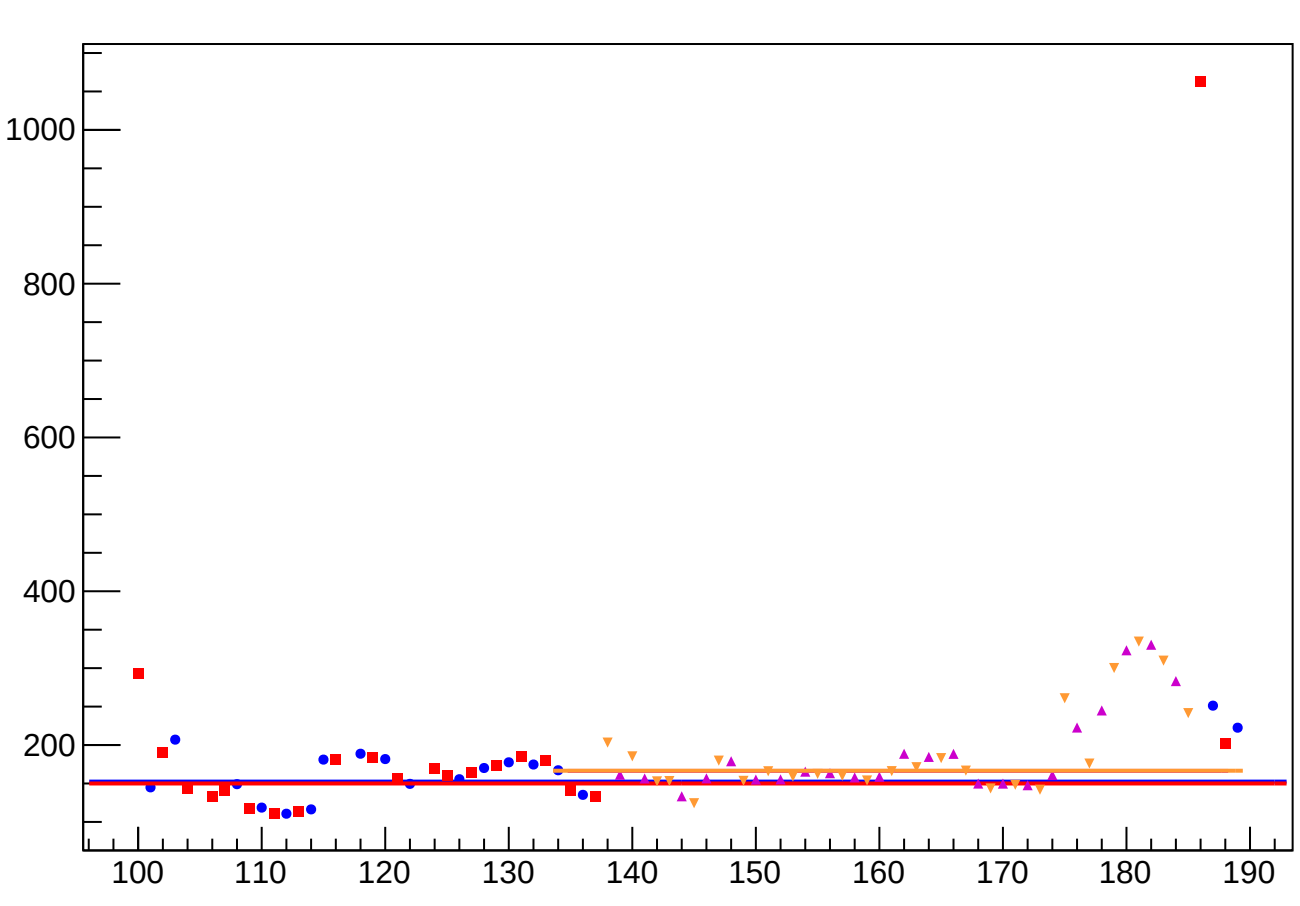
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -1.696+/-38.299 χ^2/NDF: 32.8/38

In: 38.819+/-32.547 χ^2/NDF:45.6/40

Out: 45.921+/-31.480 χ^2/NDF:41.9/45

All: 42.489+/-22.627 χ^2/NDF: 87.5/86



Right In: 152.443+/-0.039 χ^2/NDF: 618642.1/17

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 149.998+/-0.037 χ^2/NDF: 1255049.5/20

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

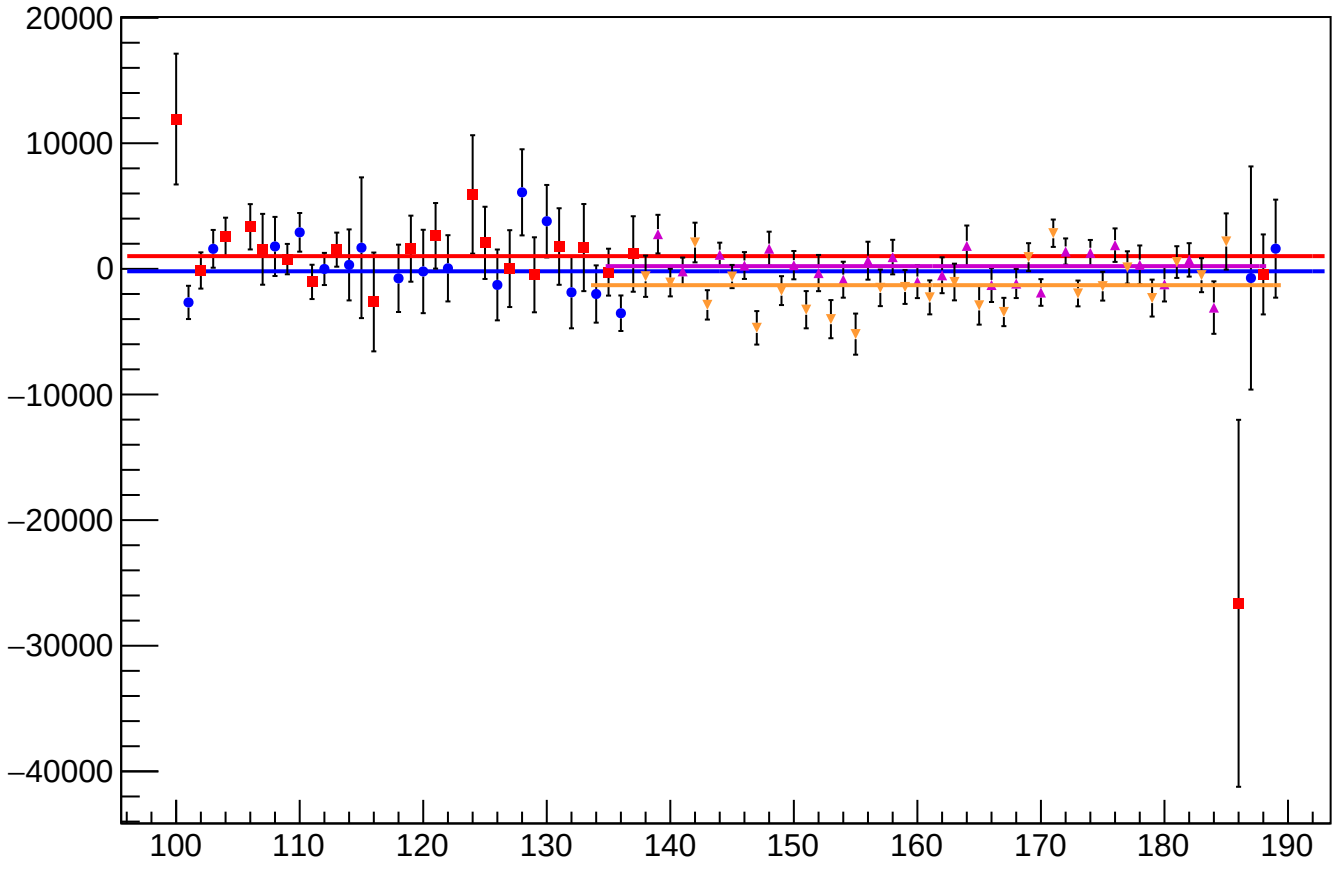
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 151.160+/-0.027 χ^2/NDF: 1875724.7/38

In: 161.547+/-0.023 χ^2/NDF:2092933.0/40

Out: 160.716+/-0.022 χ^2/NDF:3102133.9/45

All: 161.118+/-0.016 χ^2/NDF: 5195740.2/86



Right In: -192.643+/-501.193 χ^2/NDF: 22.1/17

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1013.368+/-467.448 χ^2/NDF: 17.4/20

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

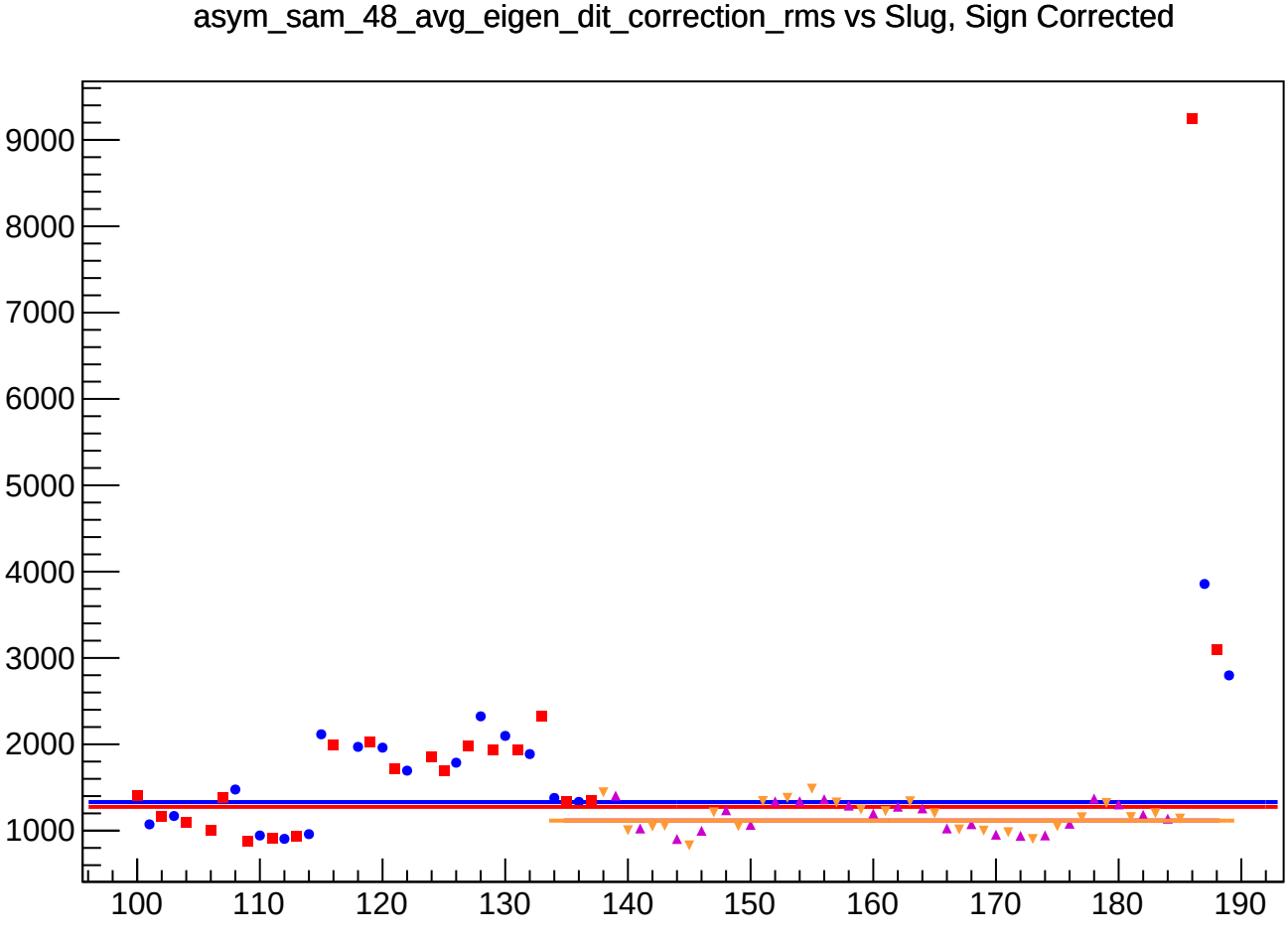
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 452.325+/-341.843 χ^2/NDF: 42.6/38

In: 128.044+/-233.846 χ^2/NDF:44.8/40

Out: -761.883+/-225.181 χ^2/NDF:91.3/45

All: -333.712+/-162.204 χ^2/NDF: 143.7/86


asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
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3000
2000
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110
120
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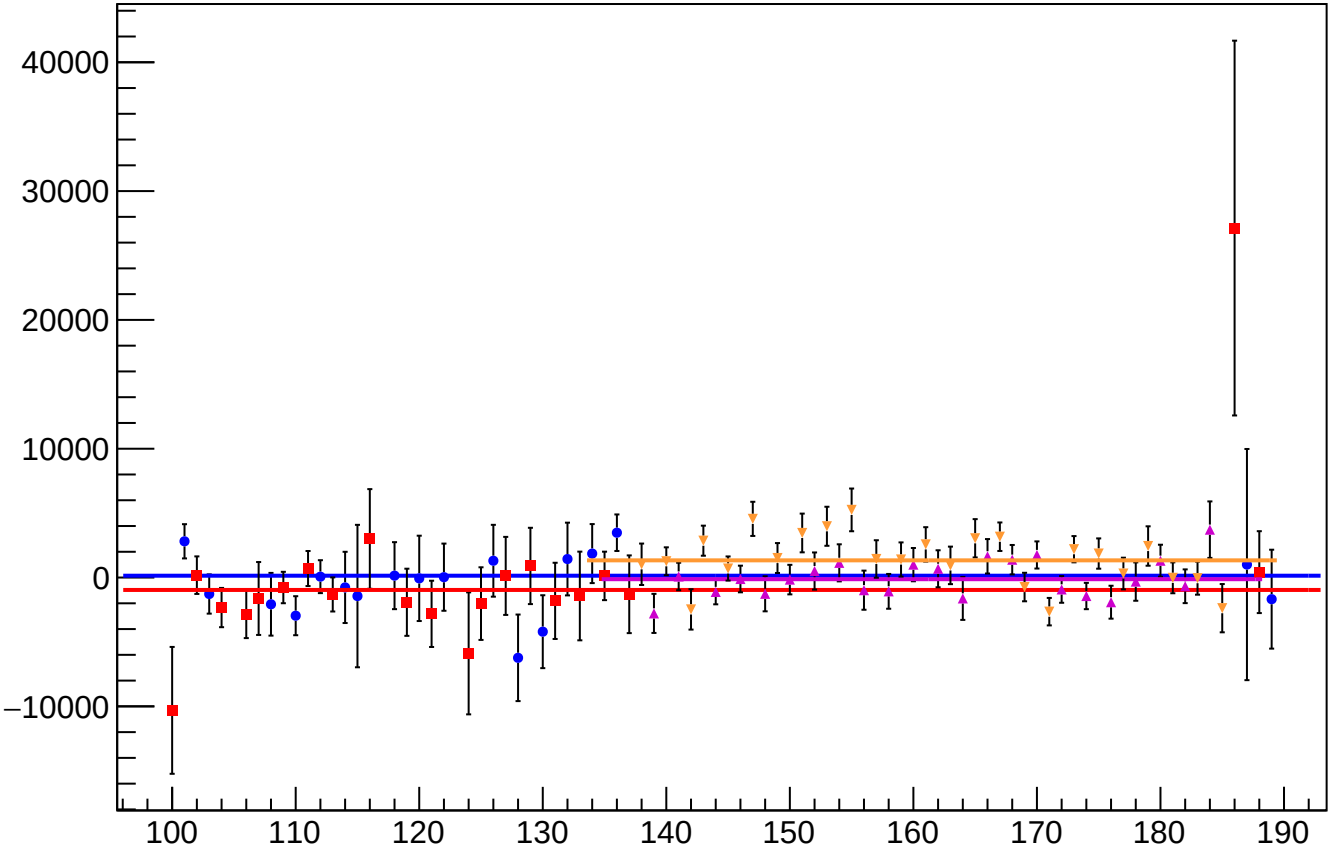
160
170
180
190
Right In: 1331.194+/-0.354 χ²/NDF: 1635096.0/17
Left Out: 1116.032+/-0.182 χ²/NDF:867491.2/24
Right Out: 1275.197+/-0.331 χ²/NDF: 2674159.9/20
Left In: 1117.829+/-0.187 χ²/NDF:729386.0/22
Left: 1116.905+/-0.130 χ²/NDF: 1596924.8/47
Right: 1301.247+/-0.242 χ²/NDF: 4322607.3/38
In: 1164.278+/-0.165 χ²/NDF:2648038.8/40
Out: 1152.967+/-0.159 χ²/NDF:3719721.1/45
All: 1158.409+/-0.115 χ²/NDF: 6370187.6/86

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 142.272+/-500.042 χ^2/NDF: 22.8/17

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -963.618+/-466.648 χ^2/NDF: 15.5/20

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

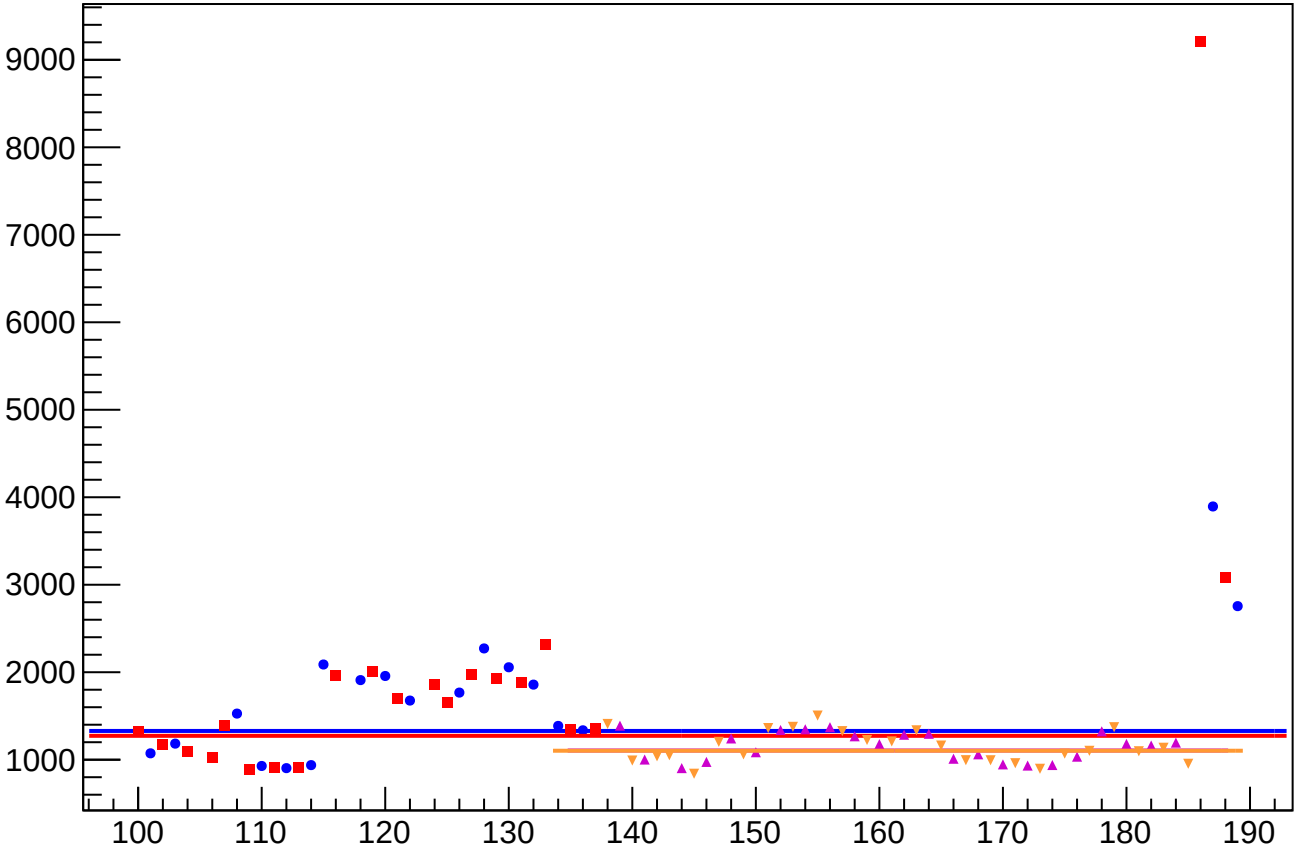
Right: -448.830+/-341.165 χ^2/NDF: 40.9/38

In: -70.277+/-231.667 χ^2/NDF:47.0/40

Out: 808.812+/-223.220 χ^2/NDF:89.9/45

All: 385.587+/-160.744 χ^2/NDF: 144.4/86

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1328.811+/-0.354 χ^2/NDF: 1602283.5/17

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1273.233+/-0.330 χ^2/NDF: 2638932.5/20

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

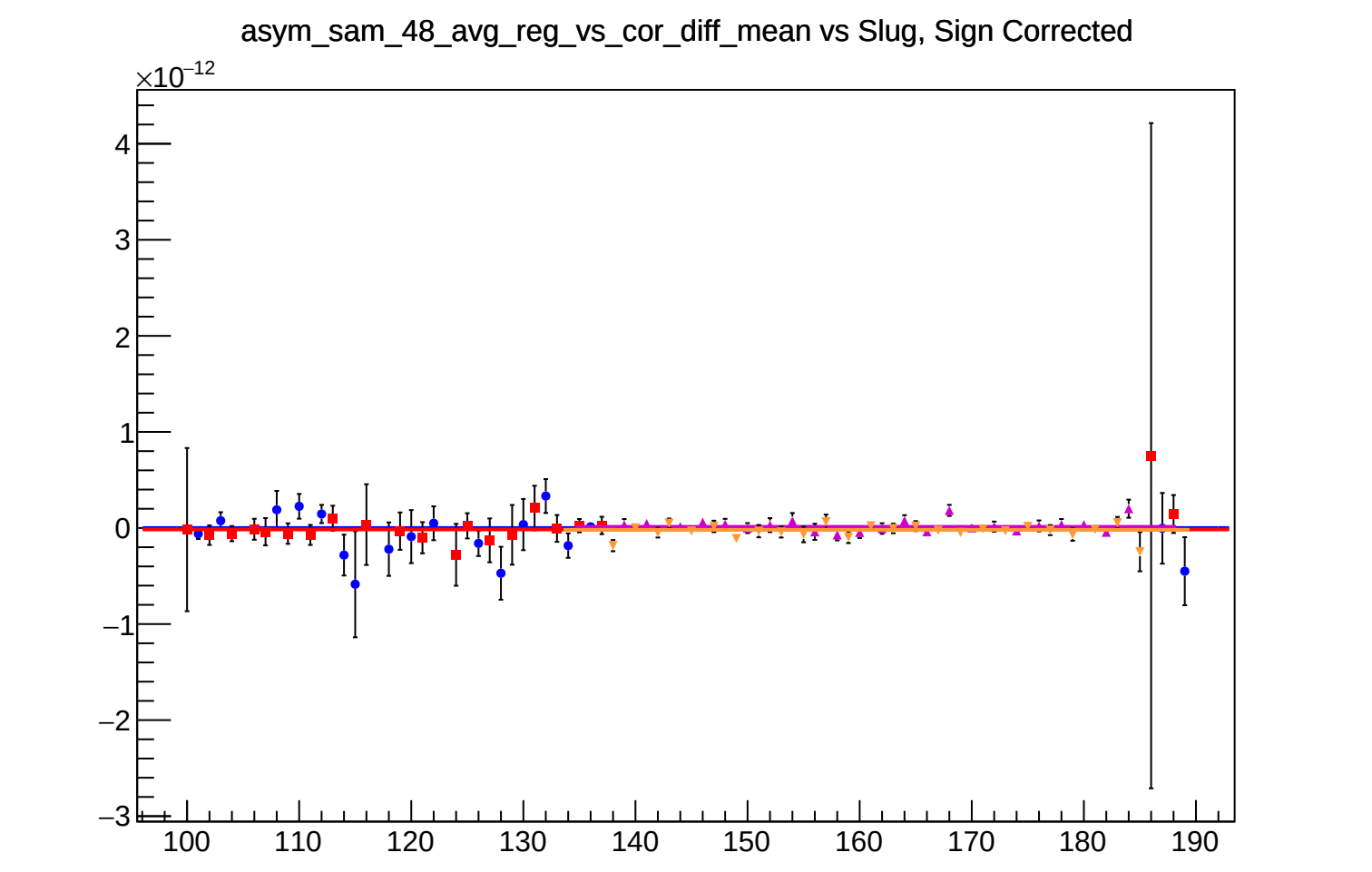
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1299.104+/-0.241 χ^2/NDF: 4254422.0/38

In: 1153.196+/-0.164 χ^2/NDF:2639689.7/40

Out: 1141.721+/-0.158 χ^2/NDF:3725380.2/45

All: 1147.245+/-0.114 χ^2/NDF: 6367614.6/86



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 5.5/20

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

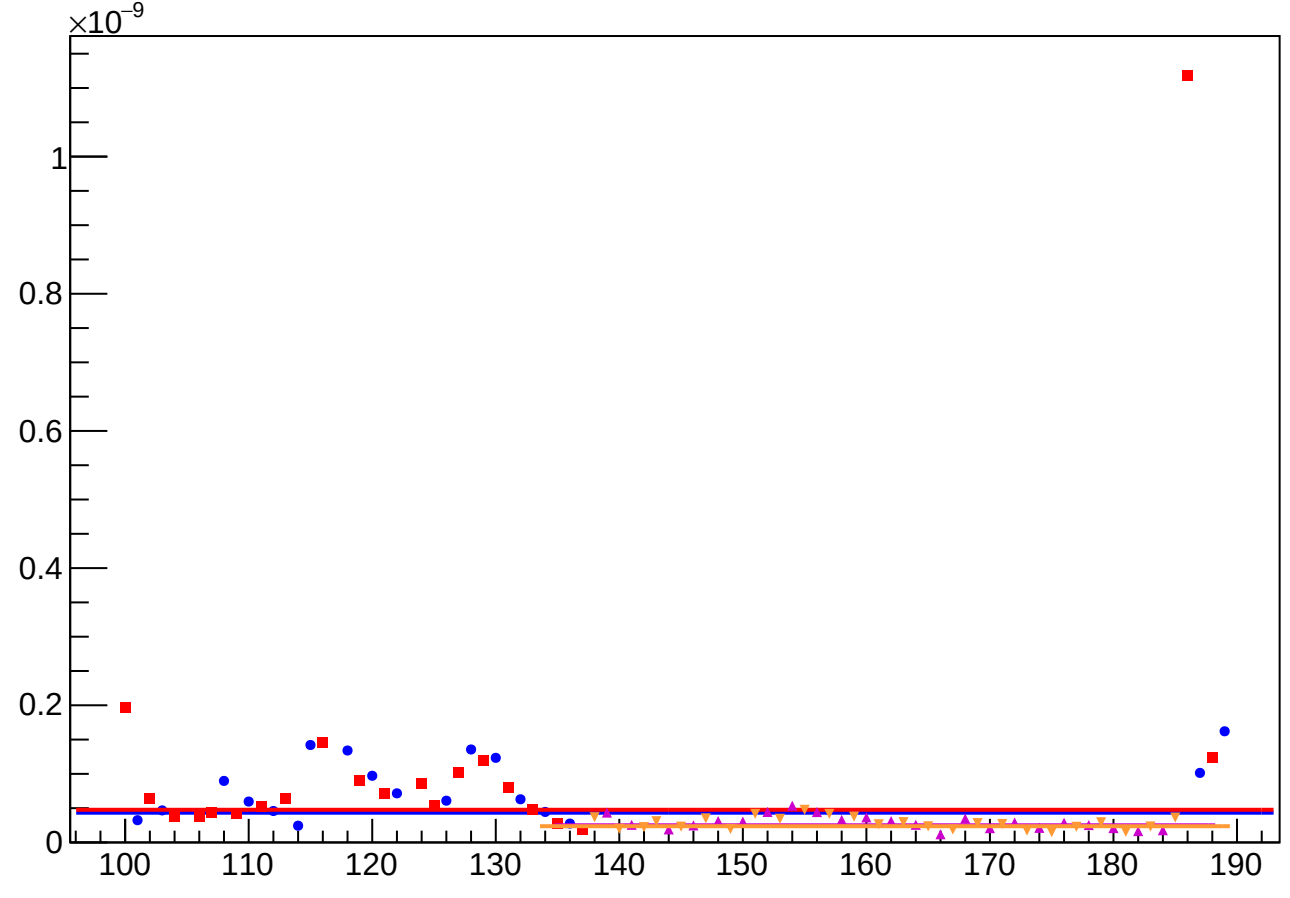
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 29.4/38

In: 0.000+/-0.000 χ^2/NDF:51.1/40

Out: -0.000+/-0.000 χ^2/NDF:32.0/45

All: -0.000+/-0.000 χ^2/NDF: 88.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 1618105.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1611148.2/20

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

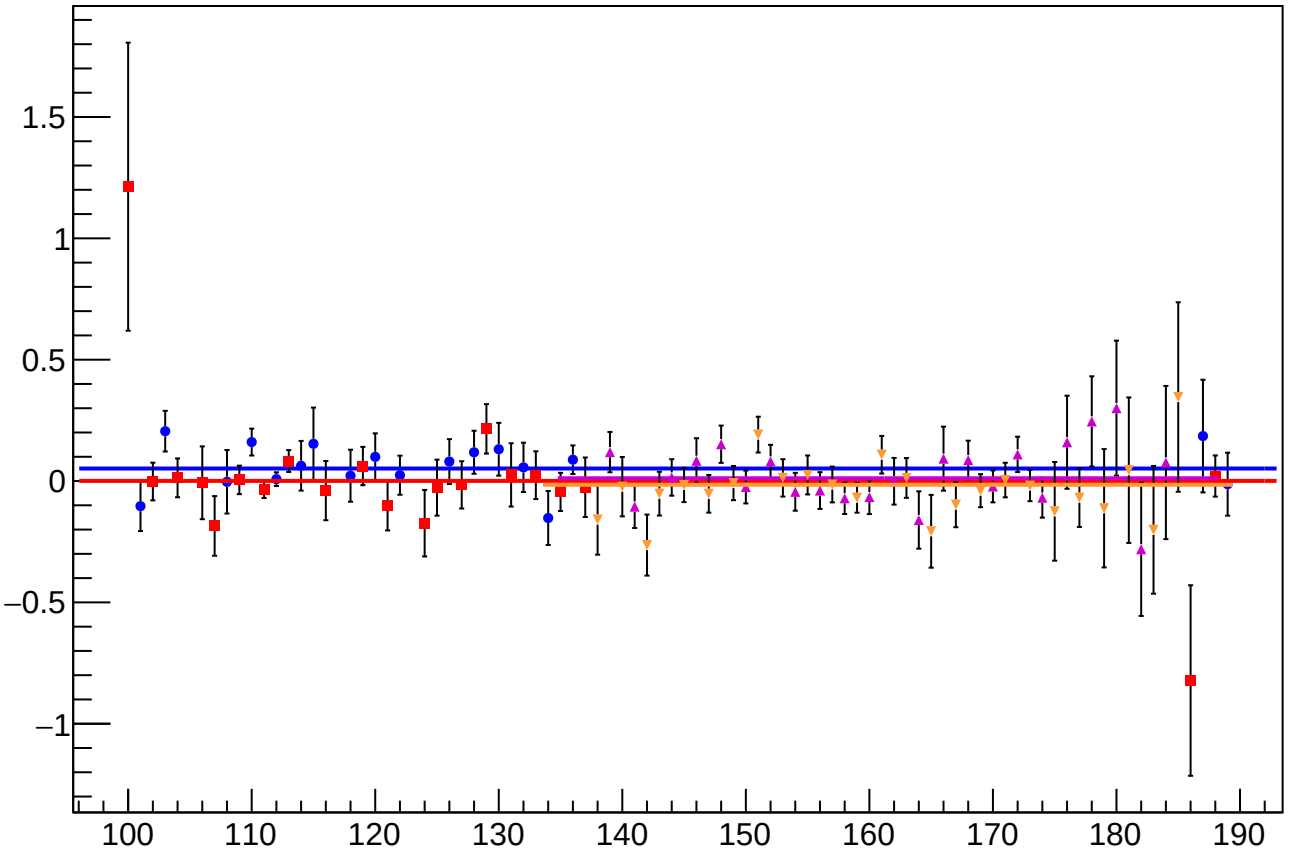
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 3253032.4/38

In: 0.000+/-0.000 χ^2/NDF:3990221.7/40

Out: 0.000+/-0.000 χ^2/NDF:4320666.6/45

All: 0.000+/-0.000 χ^2/NDF: 8335509.3/86



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

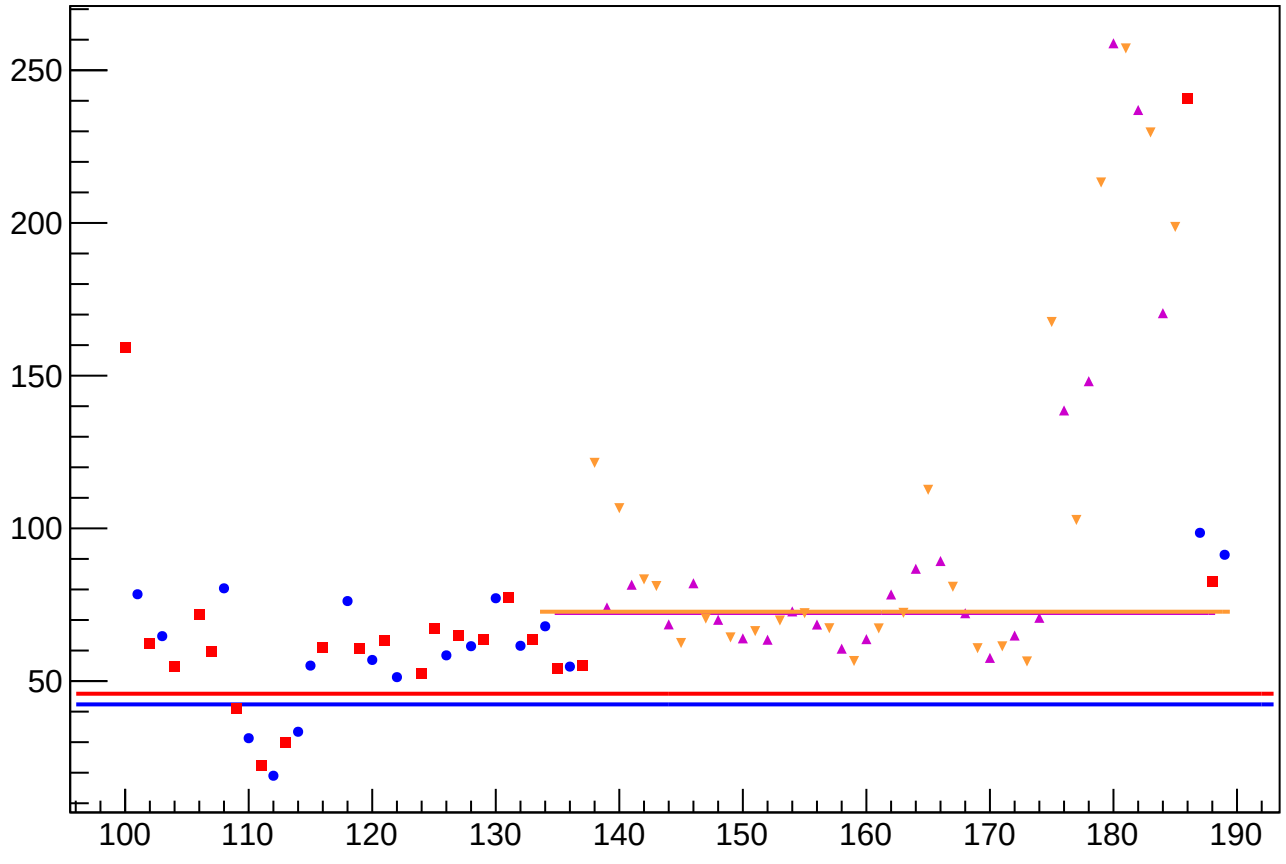
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.012 χ^2/NDF: 46.5/38

In: 0.032+/-0.013 χ^2/NDF:44.4/40

Out: -0.007+/-0.013 χ^2/NDF:45.7/45

All: 0.012+/-0.009 χ^2/NDF: 95.1/86



Right In: 42.369+/-0.012 χ^2/NDF: 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 45.860+/-0.012 χ^2/NDF: 2942799.2/20

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

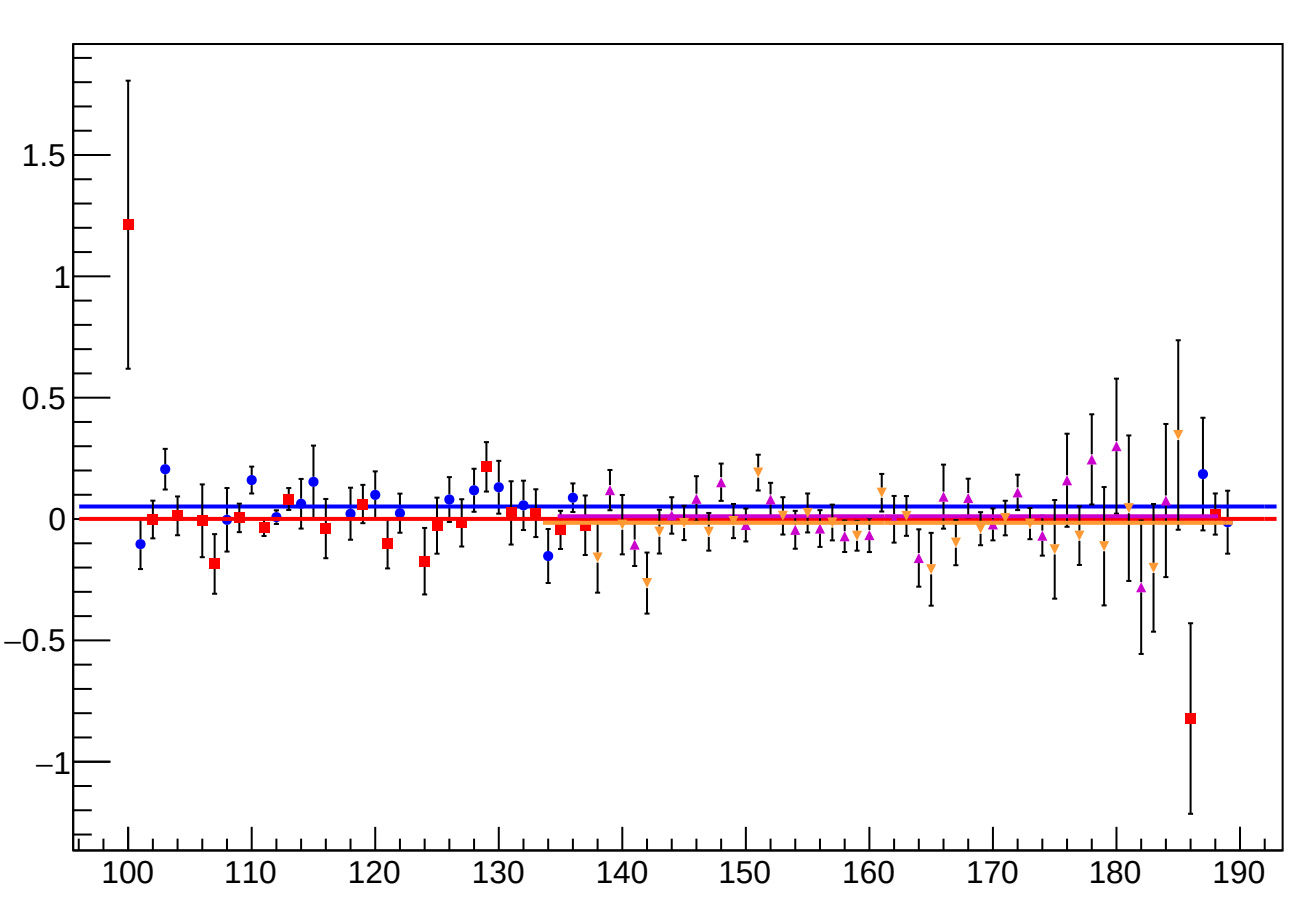
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 44.118+/-0.009 χ^2/NDF: 6320084.3/38

In: 56.751+/-0.009 χ^2/NDF:8920469.9/40

Out: 58.956+/-0.009 χ^2/NDF:9194657.7/45

All: 57.863+/-0.006 χ^2/NDF: 18145767.5/86



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

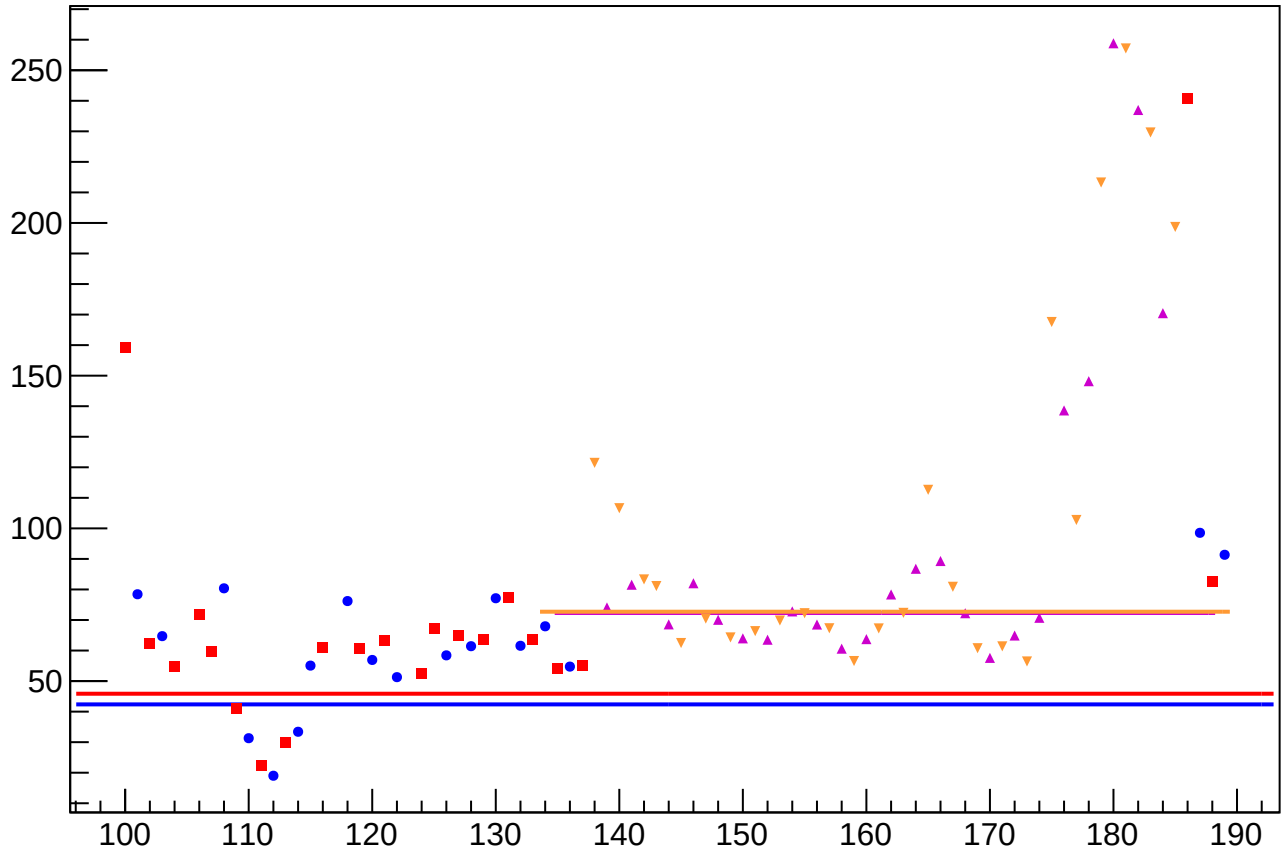
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.012 χ^2/NDF: 46.5/38

In: 0.032+/-0.013 χ^2/NDF:44.4/40

Out: -0.007+/-0.013 χ^2/NDF:45.7/45

All: 0.012+/-0.009 χ^2/NDF: 95.1/86



Right In: 42.369+/-0.012 χ^2/NDF: 3337671.1/17

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 45.860+/-0.012 χ^2/NDF: 2942799.2/20

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

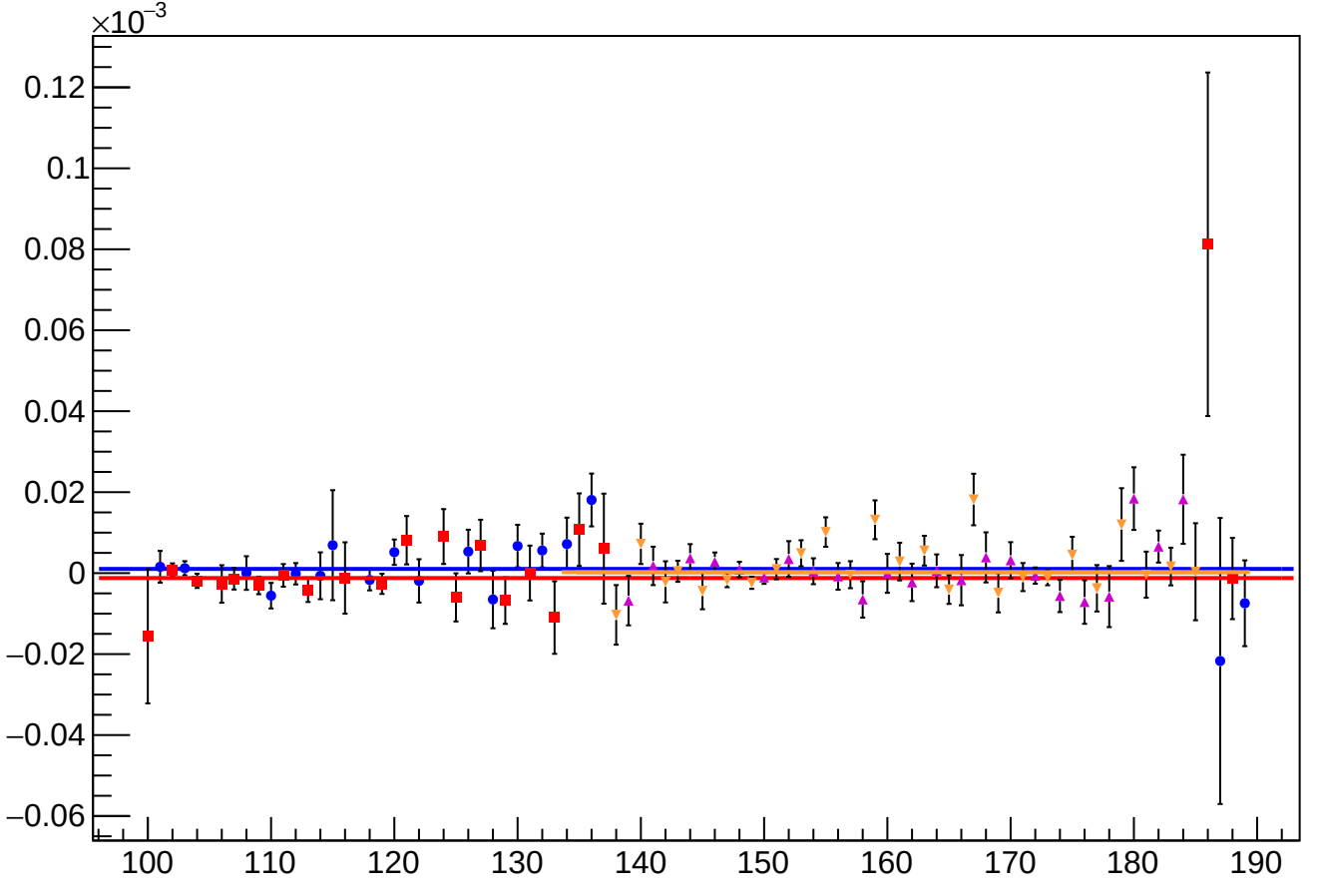
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 44.118+/-0.009 χ^2/NDF: 6320084.3/38

In: 56.751+/-0.009 χ^2/NDF:8920469.9/40

Out: 58.956+/-0.009 χ^2/NDF:9194657.7/45

All: 57.863+/-0.006 χ^2/NDF: 18145767.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

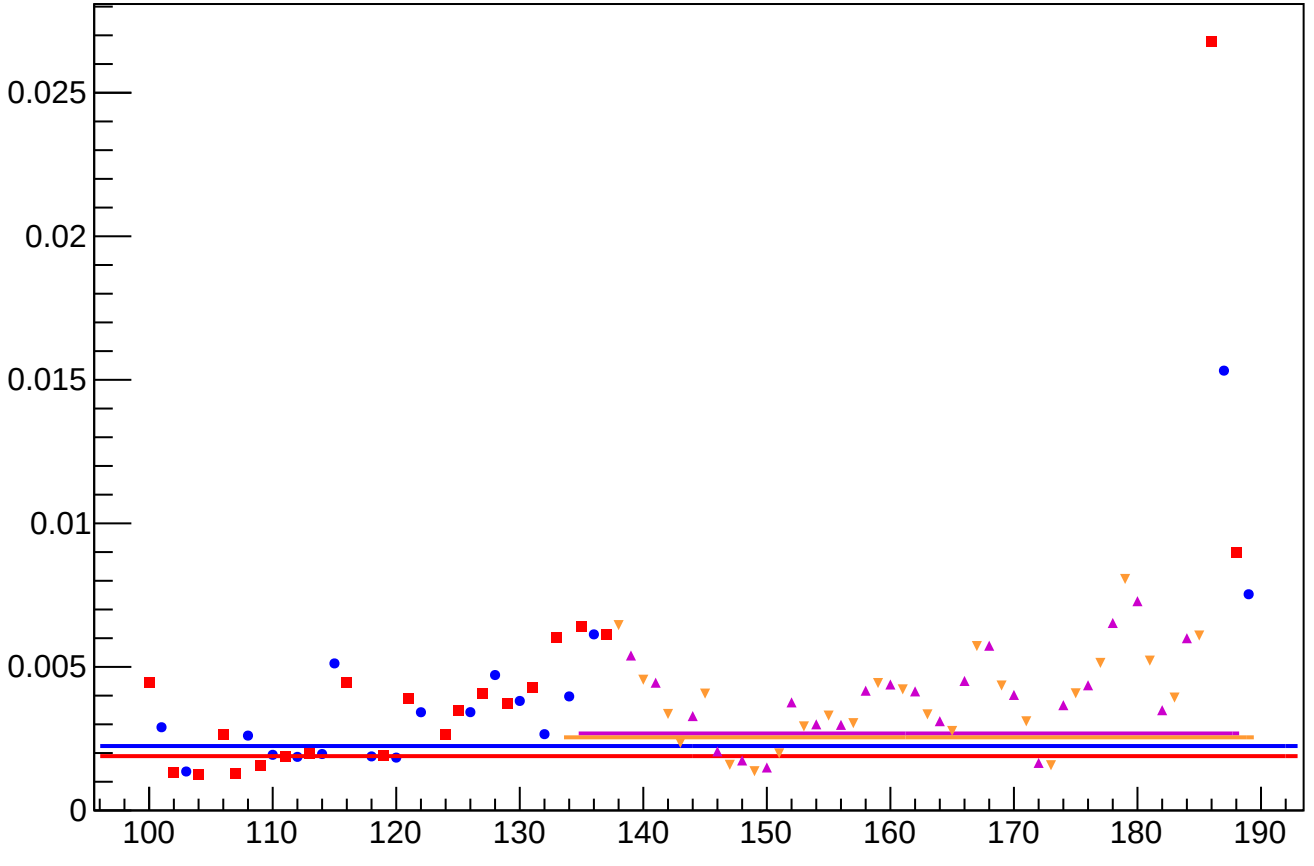
Right: -0.000+/-0.000 χ^2/NDF: 44.3/38

In: 0.000+/-0.000 χ^2/NDF:45.5/40

Out: -0.000+/-0.000 χ^2/NDF:65.2/45

All: 0.000+/-0.000 χ^2/NDF: 112.2/86

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3069835.4/17

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4834894.0/20

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

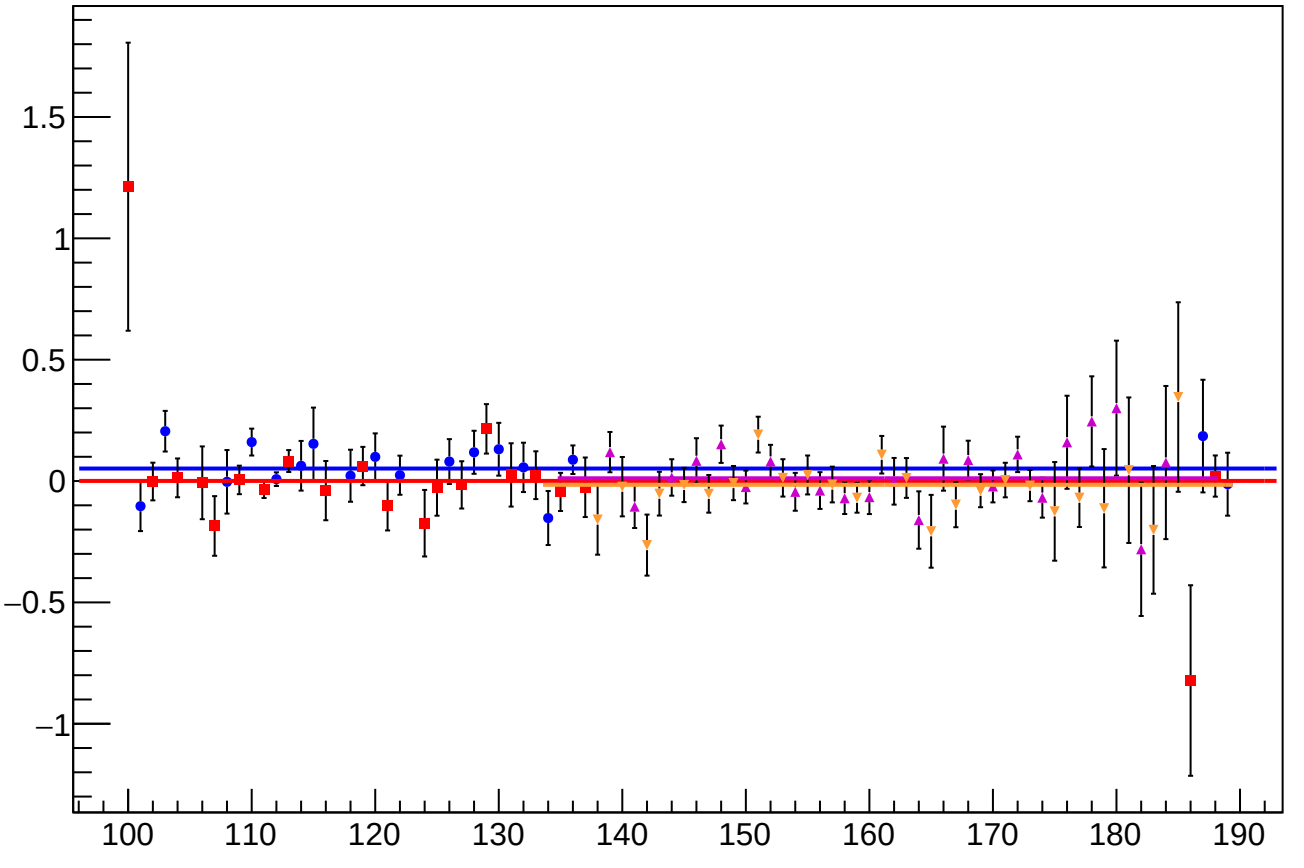
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 8081483.6/38

In: 0.003+/-0.000 χ^2/NDF:9864579.2/40

Out: 0.002+/-0.000 χ^2/NDF:13185708.9/45

All: 0.002+/-0.000 χ^2/NDF: 23268144.7/86



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

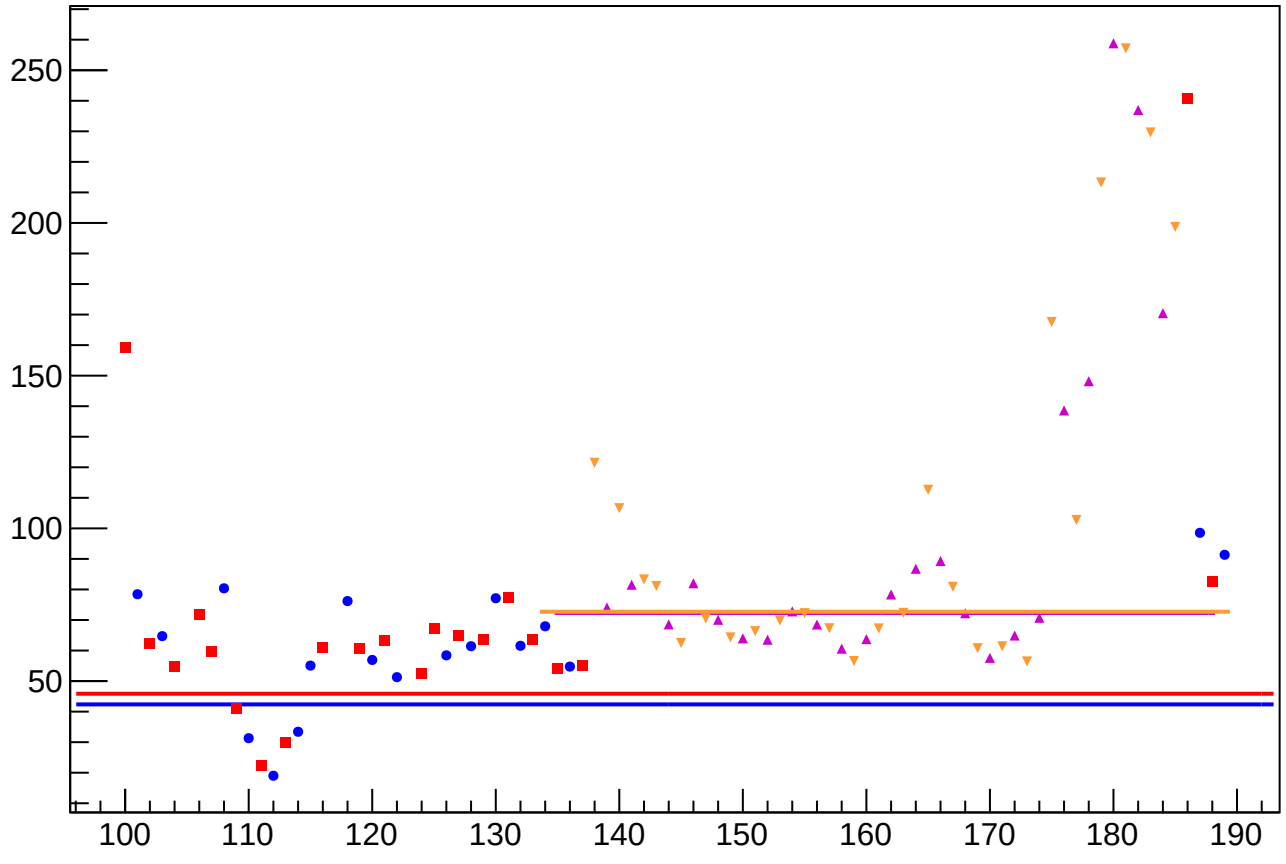
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.012 χ^2/NDF: 46.5/38

In: 0.032+/-0.013 χ^2/NDF:44.4/40

Out: -0.007+/-0.013 χ^2/NDF:45.7/45

All: 0.012+/-0.009 χ^2/NDF: 95.1/86



Right In: 42.368+/-0.012 χ^2/NDF: 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 45.859+/-0.012 χ^2/NDF: 2942988.1/20

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

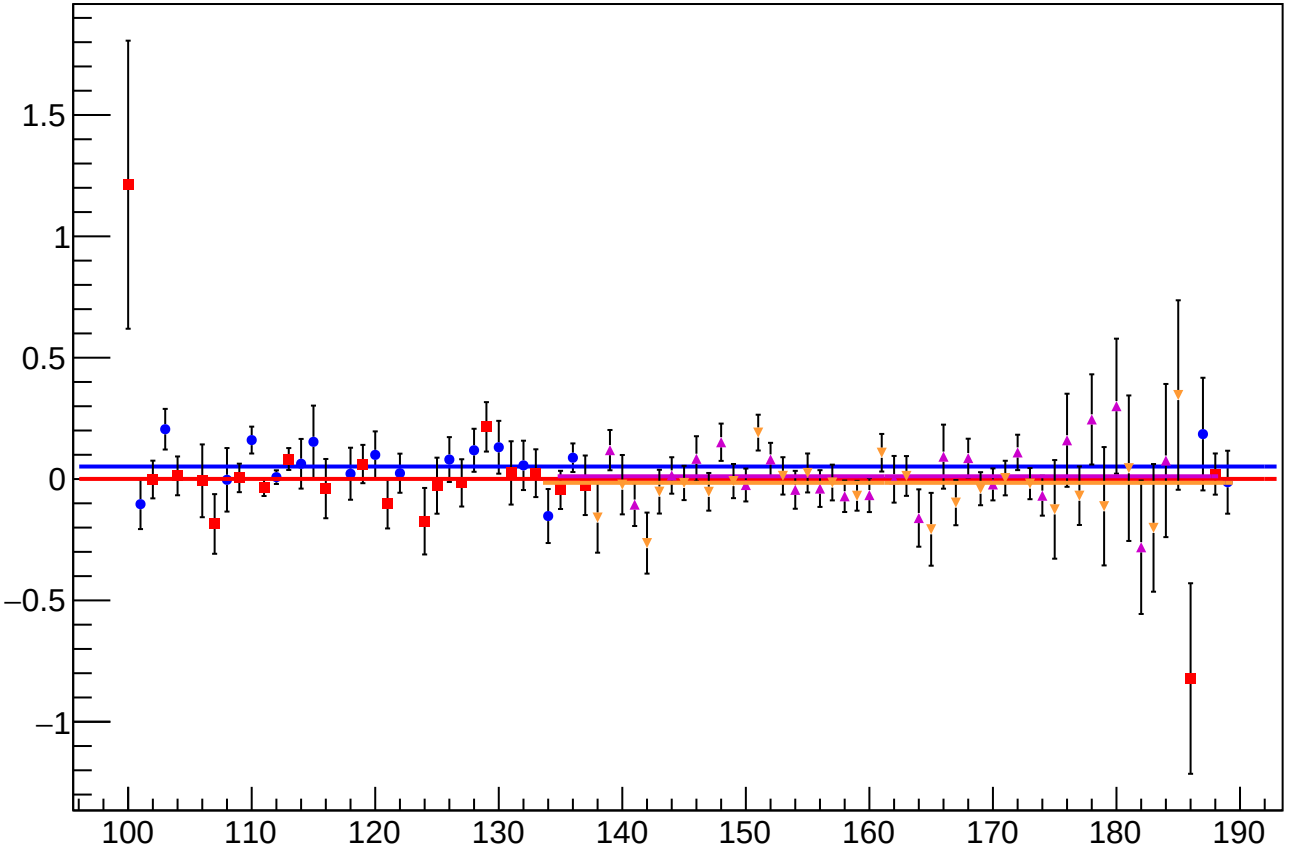
Right: 44.117+/-0.009 χ^2/NDF: 6320434.3/38

In: 56.750+/-0.009 χ^2/NDF:8920866.8/40

Out: 58.955+/-0.009 χ^2/NDF:9195057.1/45

All: 57.863+/-0.006 χ^2/NDF: 18146567.0/86

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.6/17

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

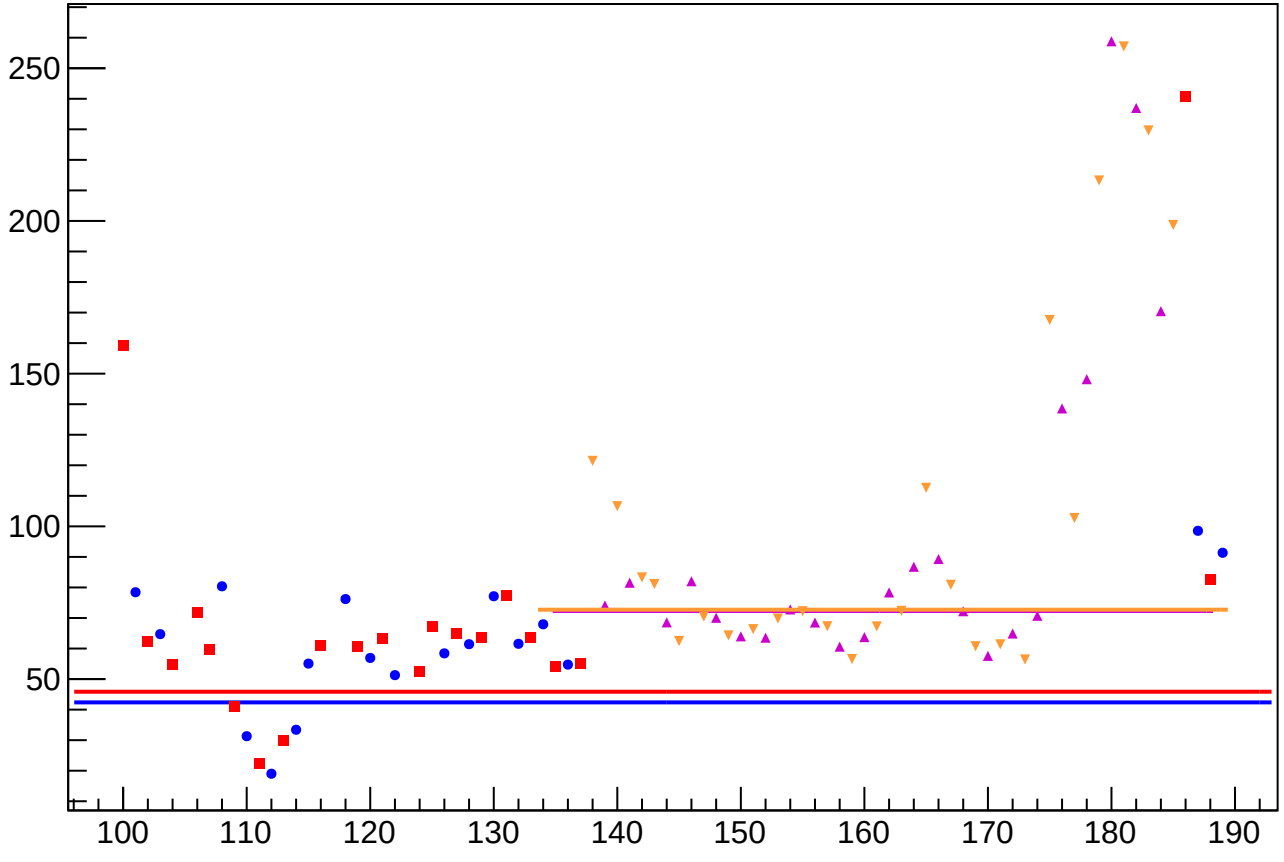
Right: 0.026+/-0.012 χ^2/NDF: 46.5/38

In: 0.032+/-0.013 χ^2/NDF:44.4/40

Out: -0.007+/-0.013 χ^2/NDF:45.7/45

All: 0.012+/-0.009 χ^2/NDF: 95.1/86

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.368+/-0.012 χ^2/NDF: 3337830.3/17

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 45.859+/-0.012 χ^2/NDF: 2942988.1/20

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

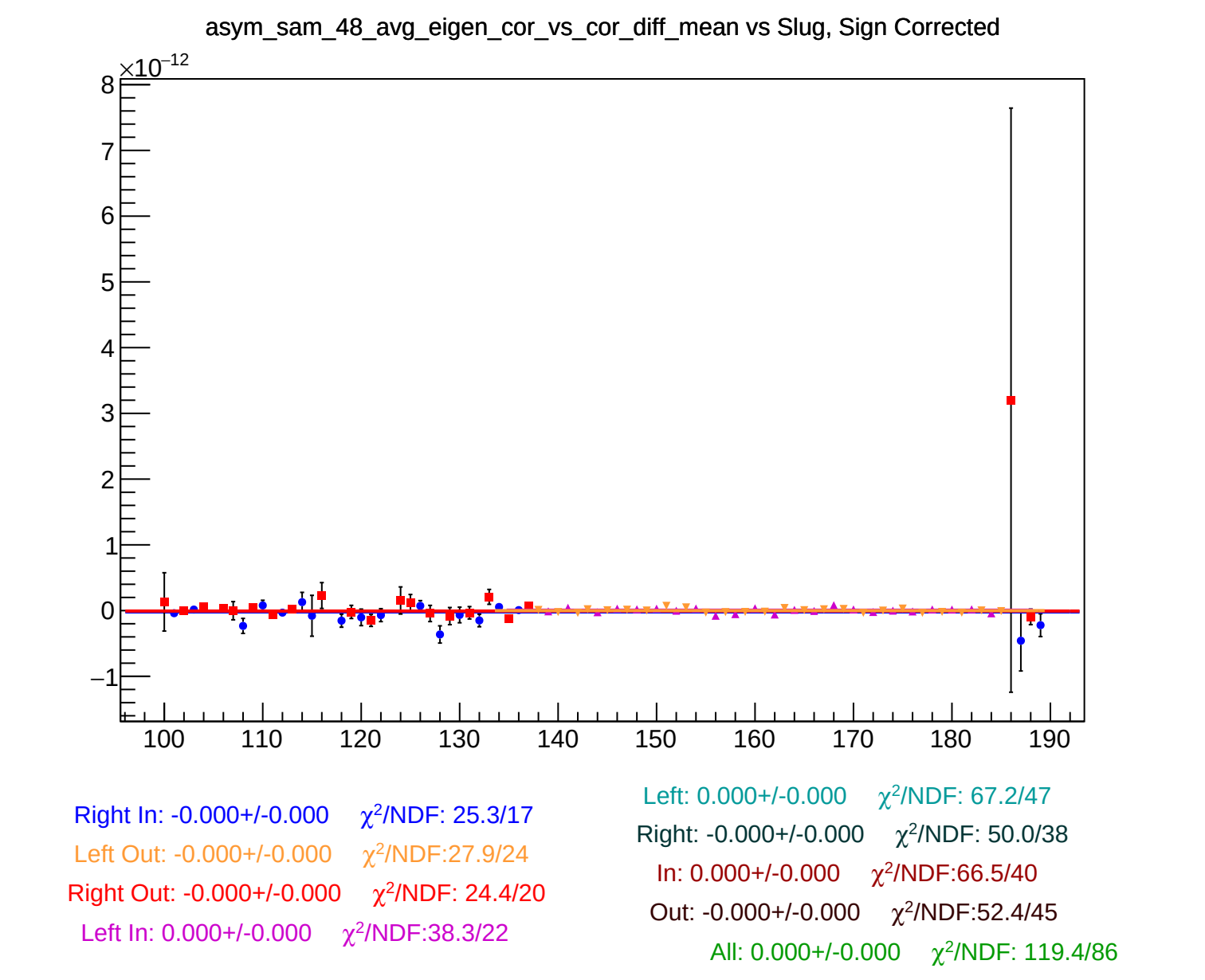
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 44.117+/-0.009 χ^2/NDF: 6320434.3/38

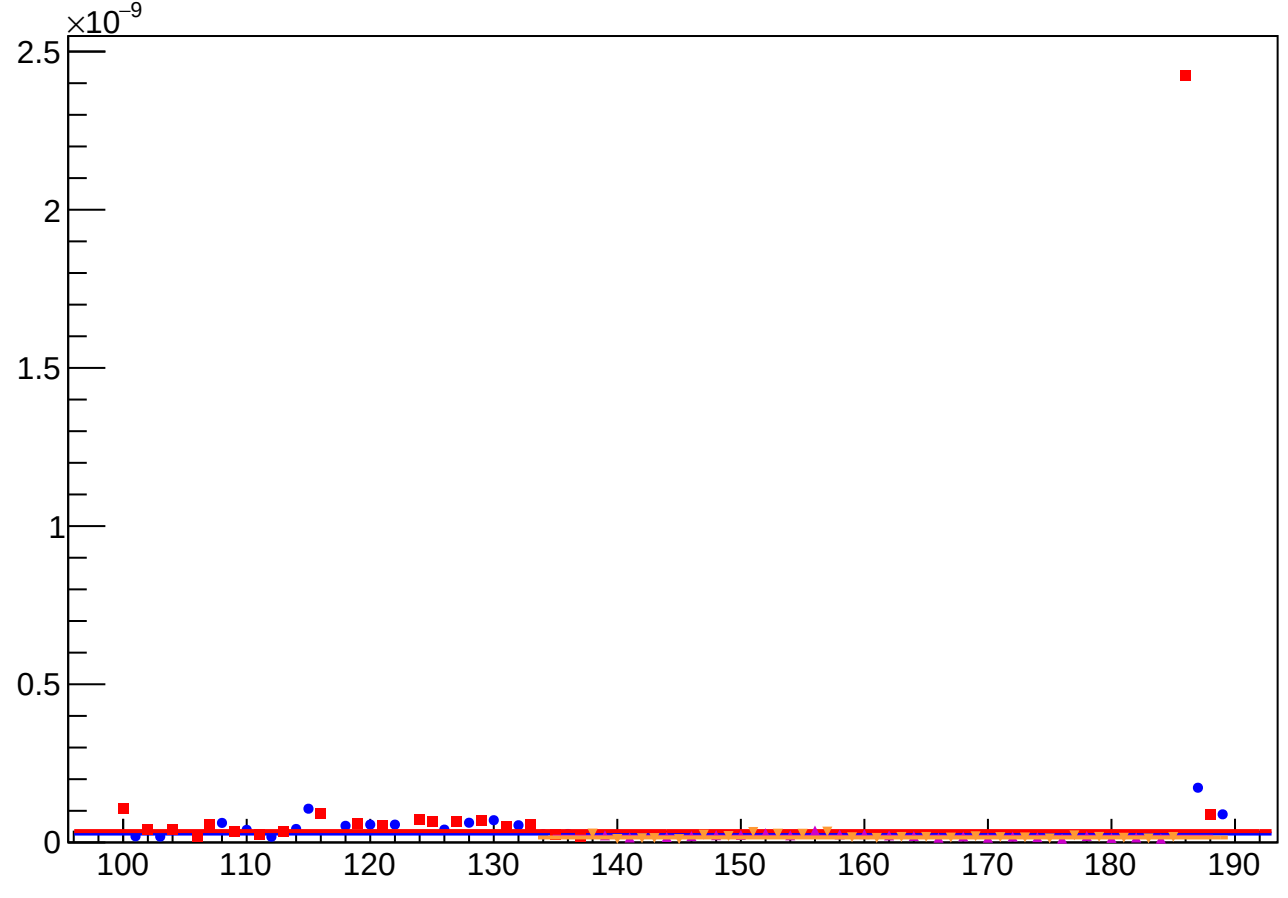
In: 56.750+/-0.009 χ^2/NDF:8920866.8/40

Out: 58.955+/-0.009 χ^2/NDF:9195057.1/45

All: 57.863+/-0.006 χ^2/NDF: 18146567.0/86


asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
8
7
6
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 25.3/17
Left Out: -0.000+/-0.000 χ²/NDF:27.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.4/20
Left In: 0.000+/-0.000 χ²/NDF:38.3/22
Left: 0.000+/-0.000 χ²/NDF: 67.2/47
Right: -0.000+/-0.000 χ²/NDF: 50.0/38
In: 0.000+/-0.000 χ²/NDF:66.5/40
Out: -0.000+/-0.000 χ²/NDF:52.4/45
All: 0.000+/-0.000 χ²/NDF: 119.4/86

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2247993.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2653454.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

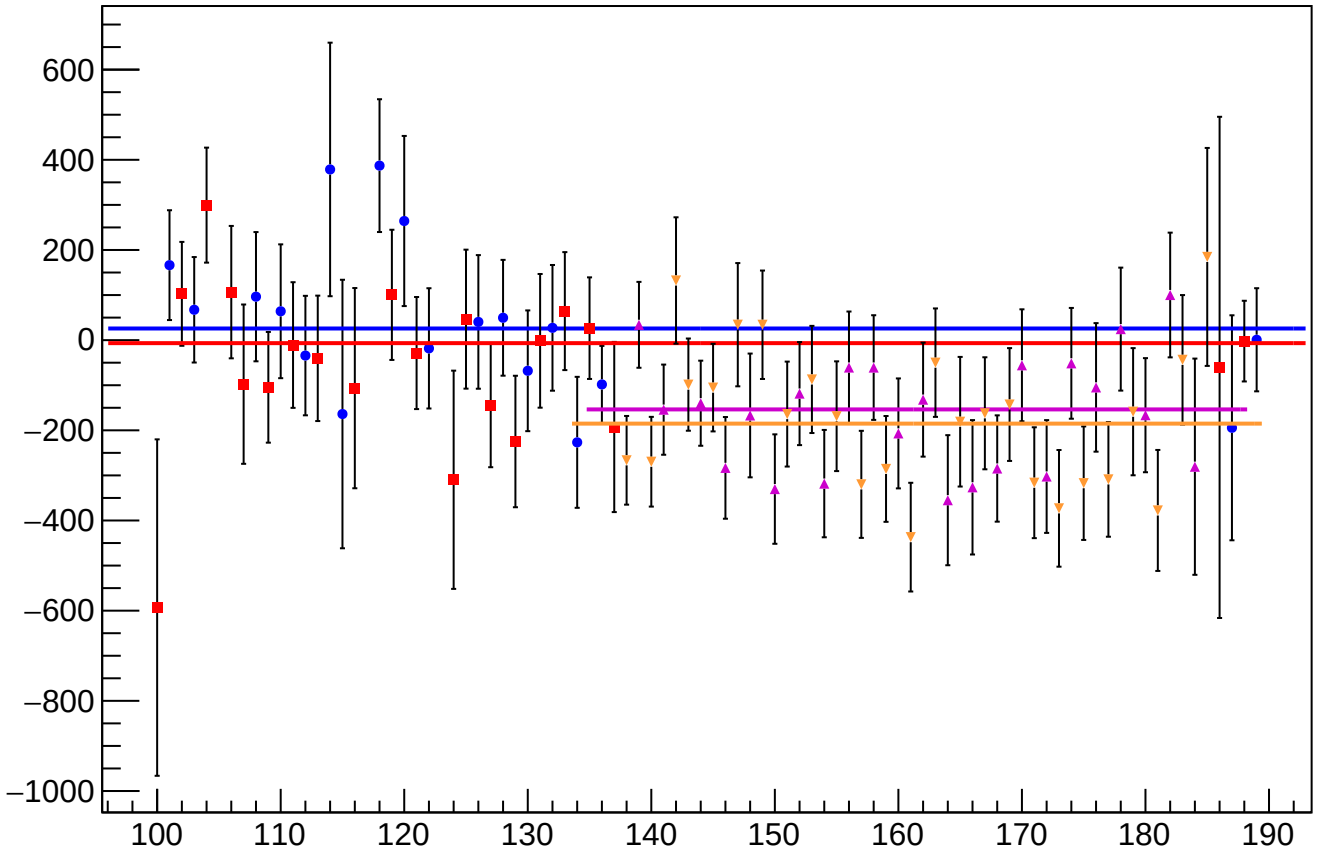
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 5158000.3/38

In: 0.000+/-0.000 χ^2/NDF:4708943.0/40

Out: 0.000+/-0.000 χ^2/NDF:7725220.6/45

All: 0.000+/-0.000 χ^2/NDF: 12627354.6/86



Right In: 25.839+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -6.638+/-31.258 χ^2/NDF: 17.8/20

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

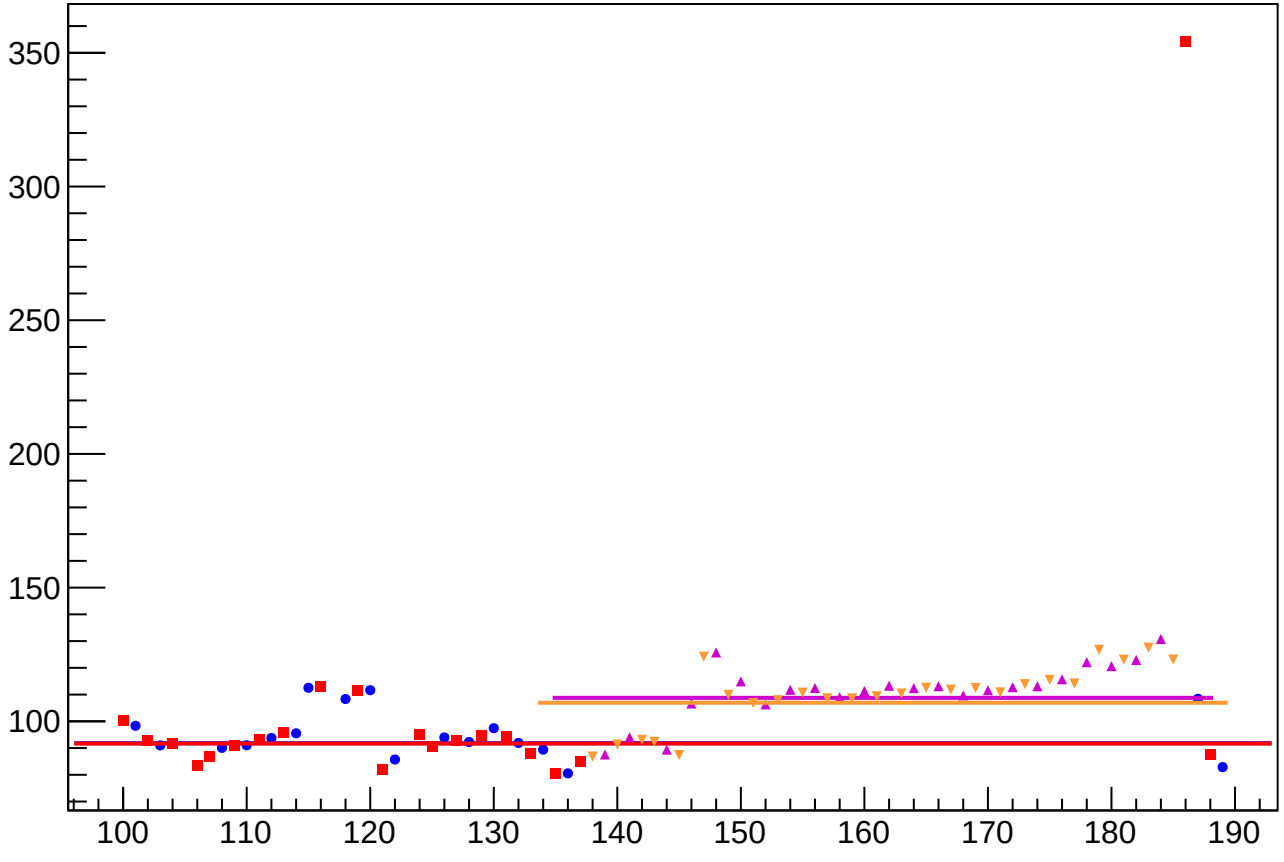
Right: 8.877+/-22.590 χ^2/NDF: 36.5/38

In: -85.592+/-20.123 χ^2/NDF:60.4/40

Out: -117.378+/-19.259 χ^2/NDF:71.1/45

All: -102.182+/-13.914 χ^2/NDF: 132.8/86

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 91.694+/-0.022 χ^2/NDF: 555182.4/20

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

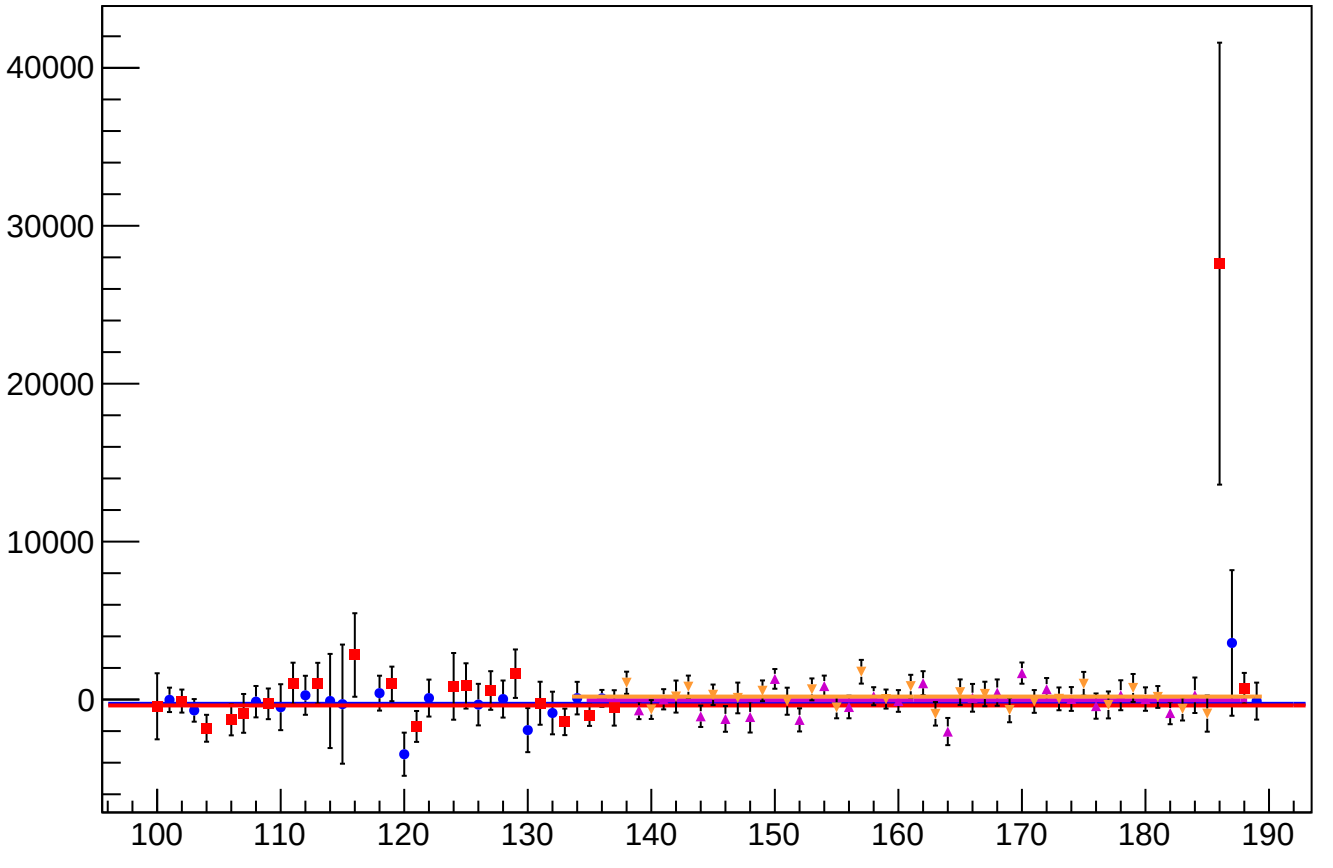
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 91.748+/-0.016 χ^2/NDF: 683775.4/38

In: 102.346+/-0.014 χ^2/NDF:821897.5/40

Out: 101.161+/-0.014 χ^2/NDF:1315166.8/45

All: 101.728+/-0.010 χ^2/NDF: 2140688.3/86



Right In: -272.045+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -374.715+/-240.845 χ^2/NDF: 22.2/20

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

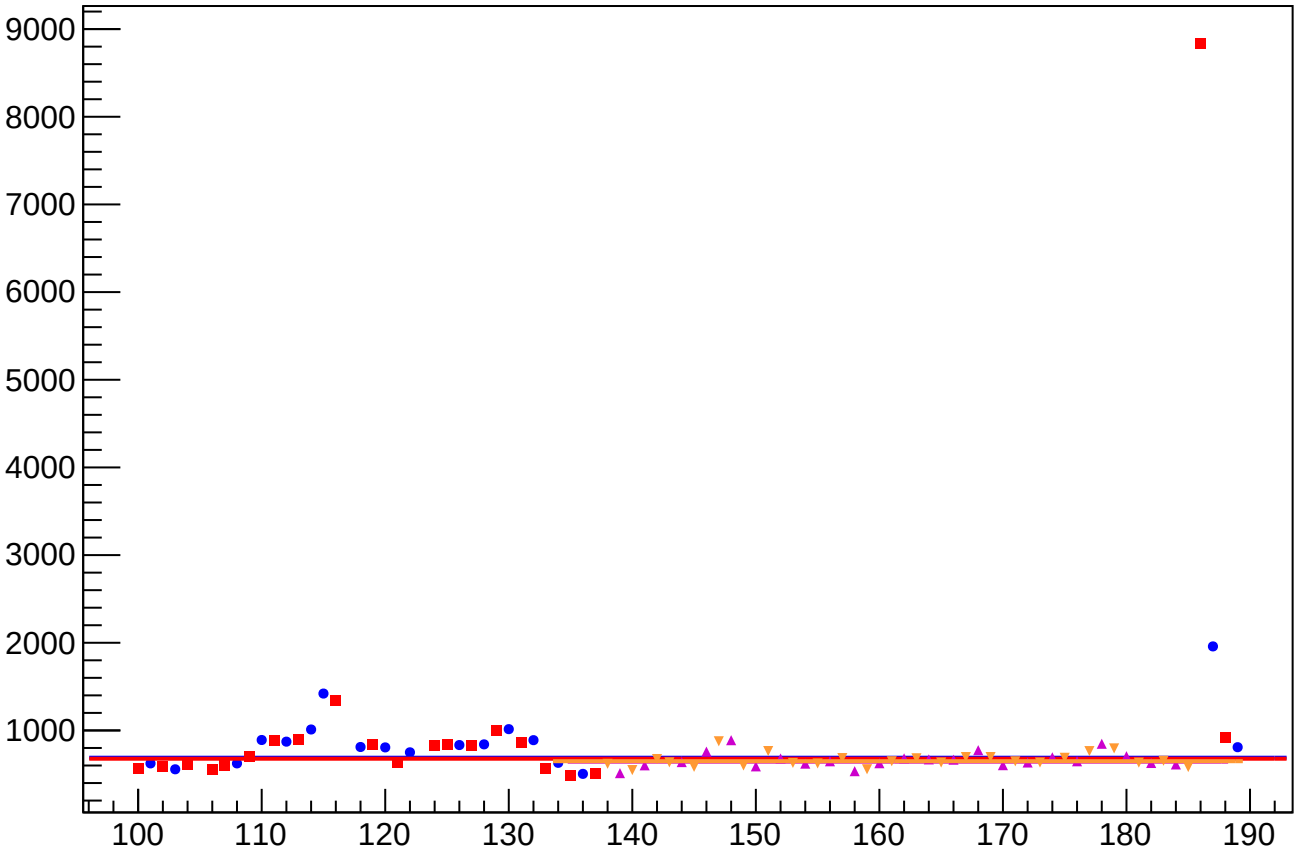
Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

Right: -325.935+/-174.490 χ^2/NDF: 31.9/38

In: -103.913+/-130.350 χ^2/NDF:43.9/40

Out: 31.399+/-126.601 χ^2/NDF:45.2/45

All: -34.283+/-90.817 χ^2/NDF: 89.6/86



Right In: 688.938+/-0.179 χ^2/NDF: 943650.8/17

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 677.461+/-0.170 χ^2/NDF: 1607752.8/20

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

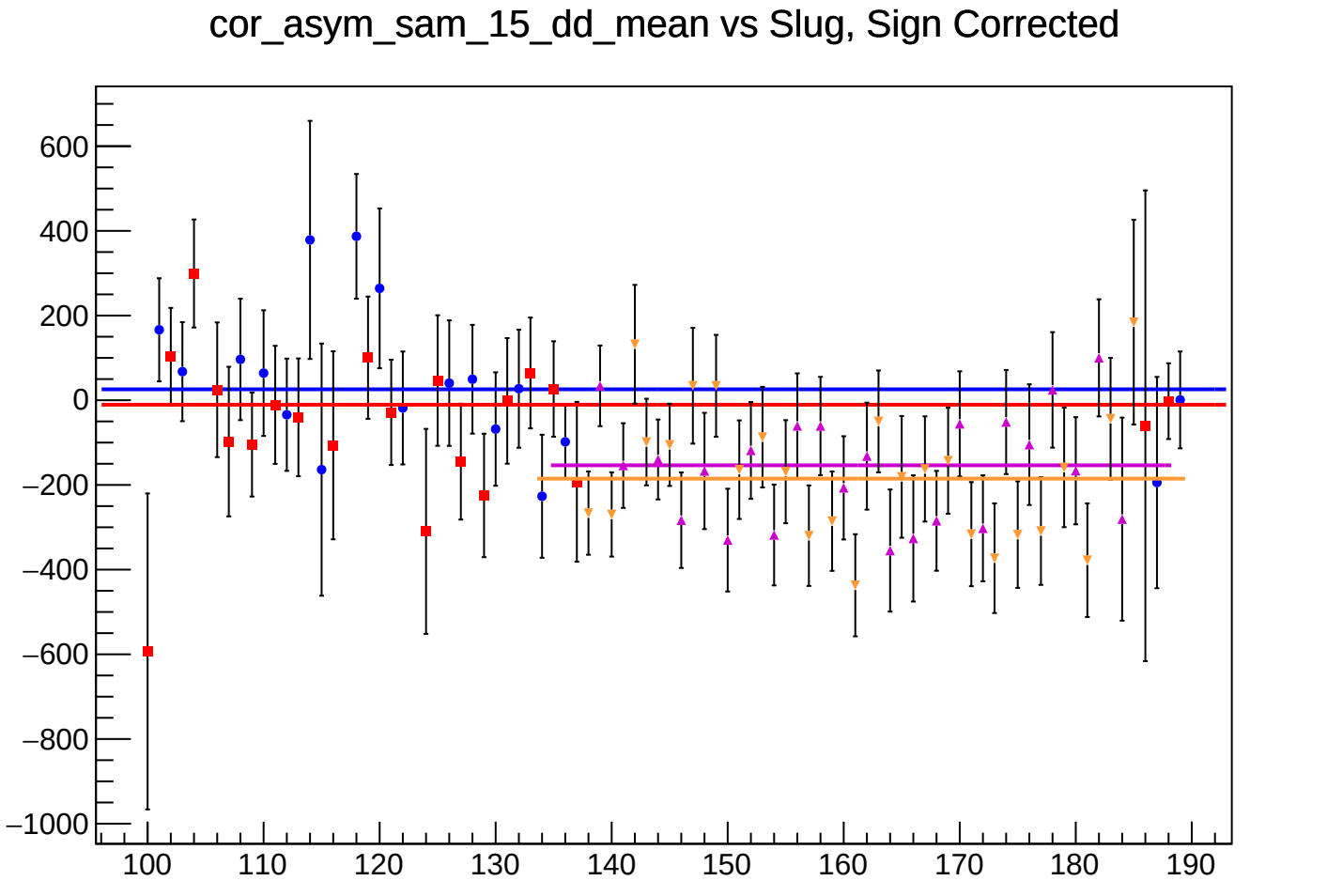
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 682.914+/-0.123 χ^2/NDF: 2553561.2/38

In: 655.968+/-0.092 χ^2/NDF:1548936.1/40

Out: 657.001+/-0.090 χ^2/NDF:2046062.1/45

All: 656.500+/-0.064 χ^2/NDF: 3595062.7/86



Right In: 25.852+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -10.572+/-31.363 χ^2/NDF: 17.2/20

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

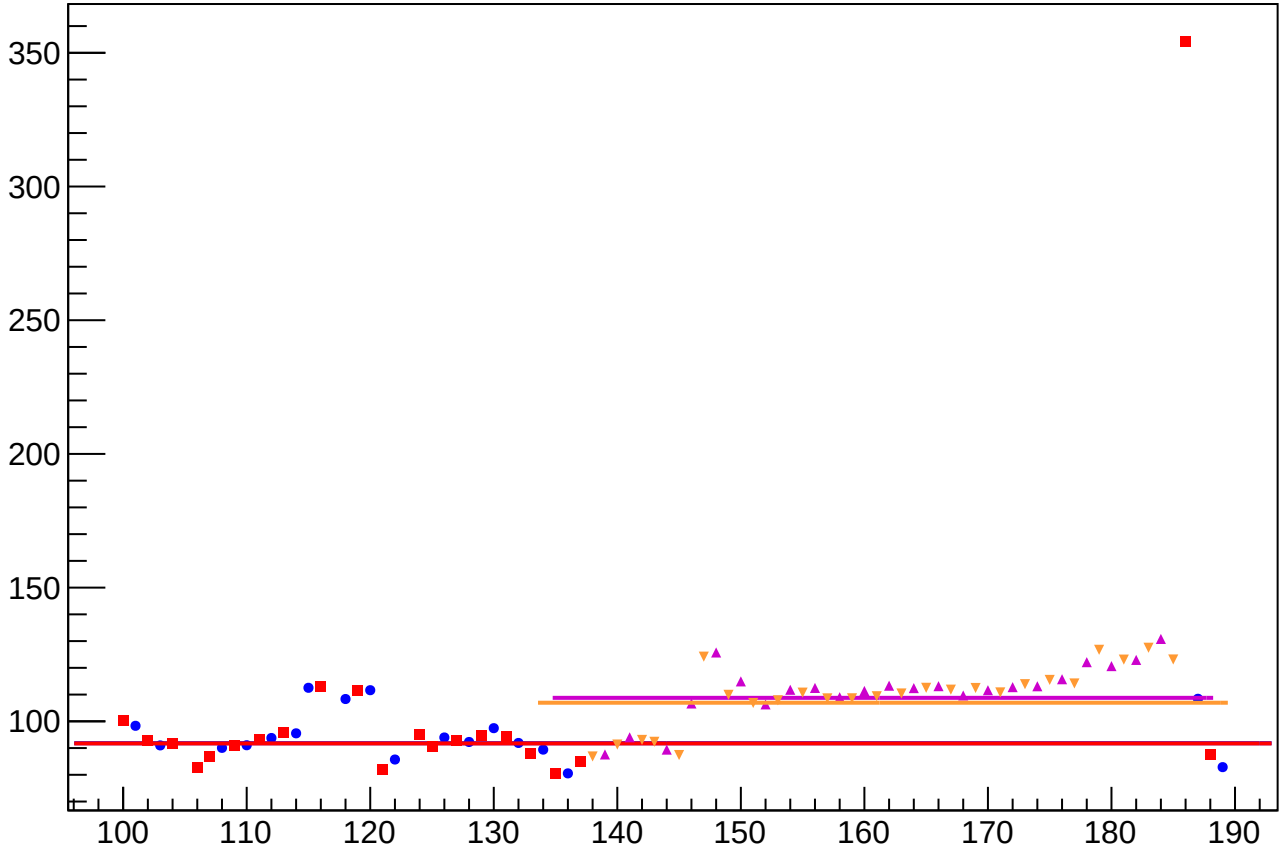
Right: 6.890+/-22.629 χ^2/NDF: 36.0/38

In: -85.591+/-20.123 χ^2/NDF:60.4/40

Out: -119.149+/-19.284 χ^2/NDF:69.5/45

All: -103.084+/-13.923 χ^2/NDF: 131.4/86

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.730+/-0.022 χ^2/NDF: 554947.3/20

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

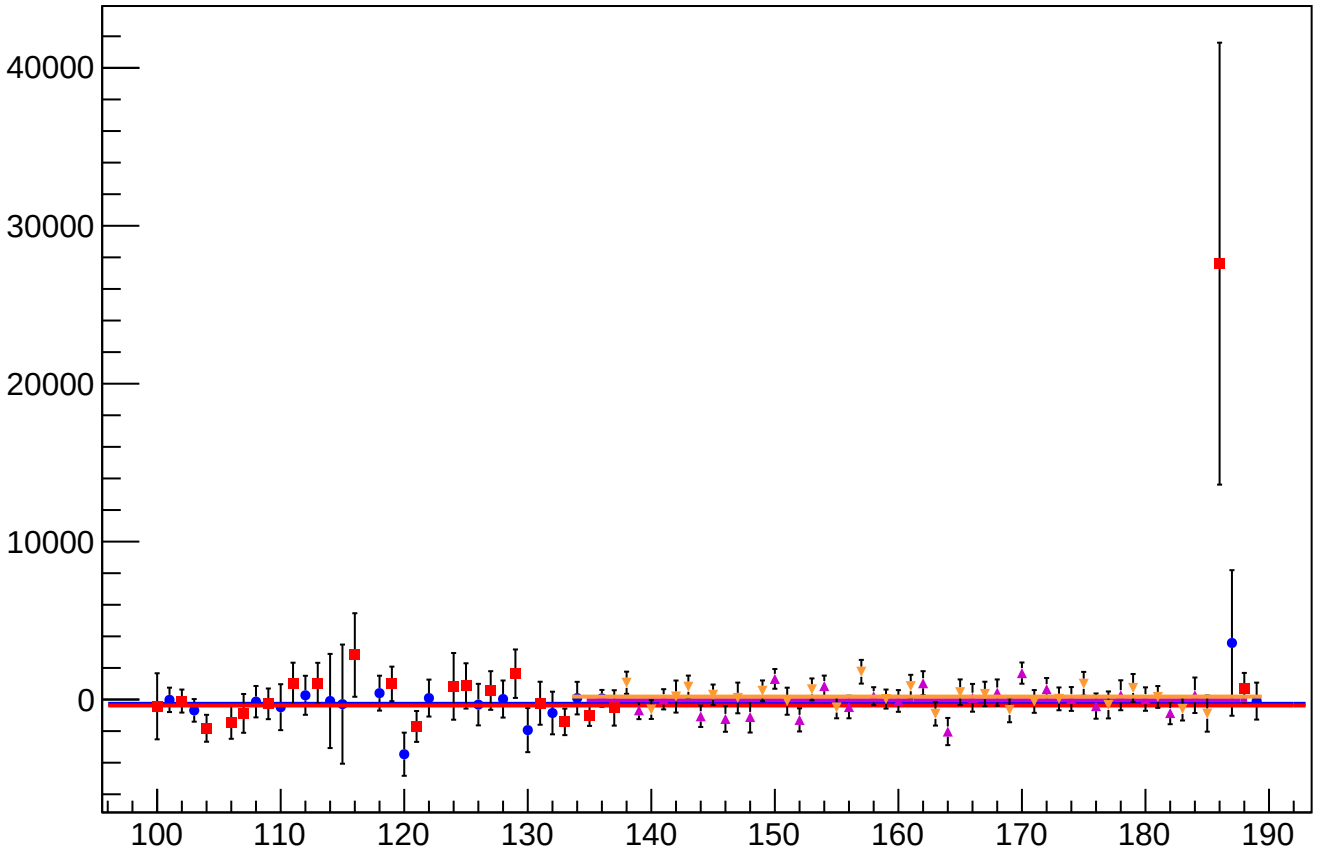
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 91.768+/-0.016 χ^2/NDF: 683533.5/38

In: 102.346+/-0.014 χ^2/NDF:821897.4/40

Out: 101.199+/-0.014 χ^2/NDF:1312305.0/45

All: 101.748+/-0.010 χ^2/NDF: 2137594.8/86



Right In: -272.042+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -377.738+/-241.595 χ^2/NDF: 22.4/20

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

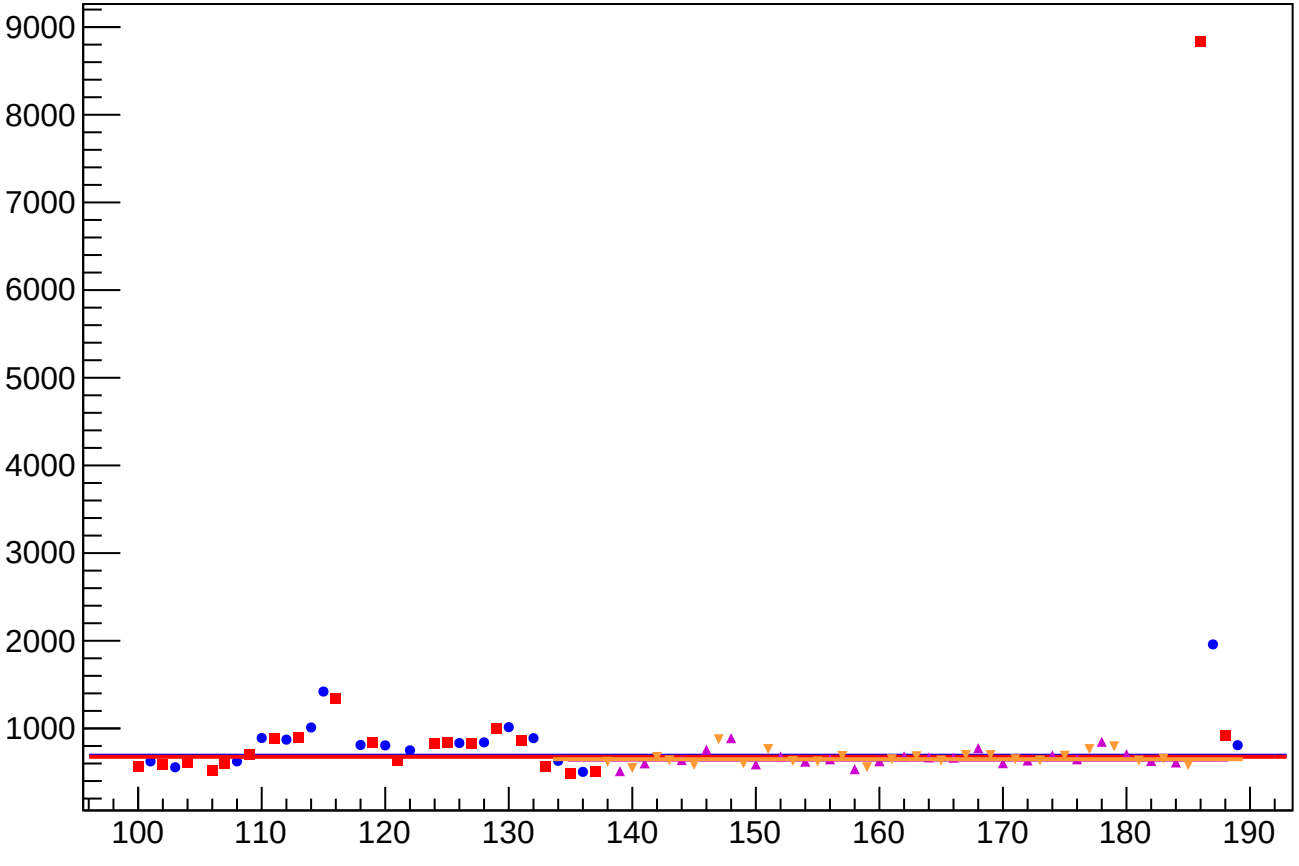
Right: -327.356+/-174.774 χ^2/NDF: 32.1/38

In: -103.914+/-130.350 χ^2/NDF:43.9/40

Out: 31.260+/-126.709 χ^2/NDF:45.4/45

All: -34.413+/-90.857 χ^2/NDF: 89.9/86

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 688.937+/-0.179 χ^2/NDF: 943653.0/17

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 676.759+/-0.171 χ^2/NDF: 1618734.2/20

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

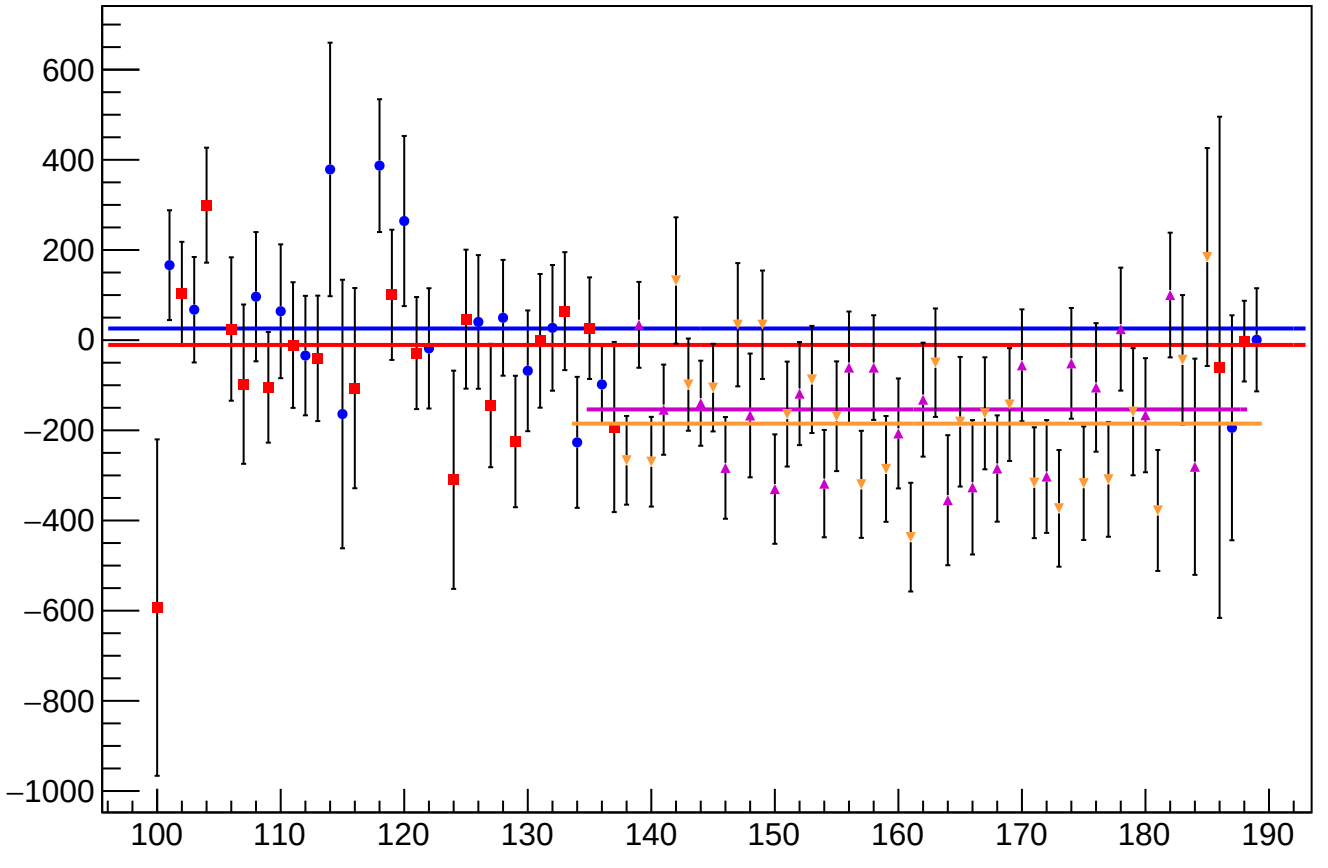
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 682.564+/-0.124 χ^2/NDF: 2564809.8/38

In: 655.968+/-0.092 χ^2/NDF:1548938.3/40

Out: 656.773+/-0.090 χ^2/NDF:2055979.8/45

All: 656.382+/-0.064 χ^2/NDF: 3604957.3/86



Right In: 25.852+/-32.683 χ^2/NDF: 18.2/17

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -10.572+/-31.363 χ^2/NDF: 17.2/20

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

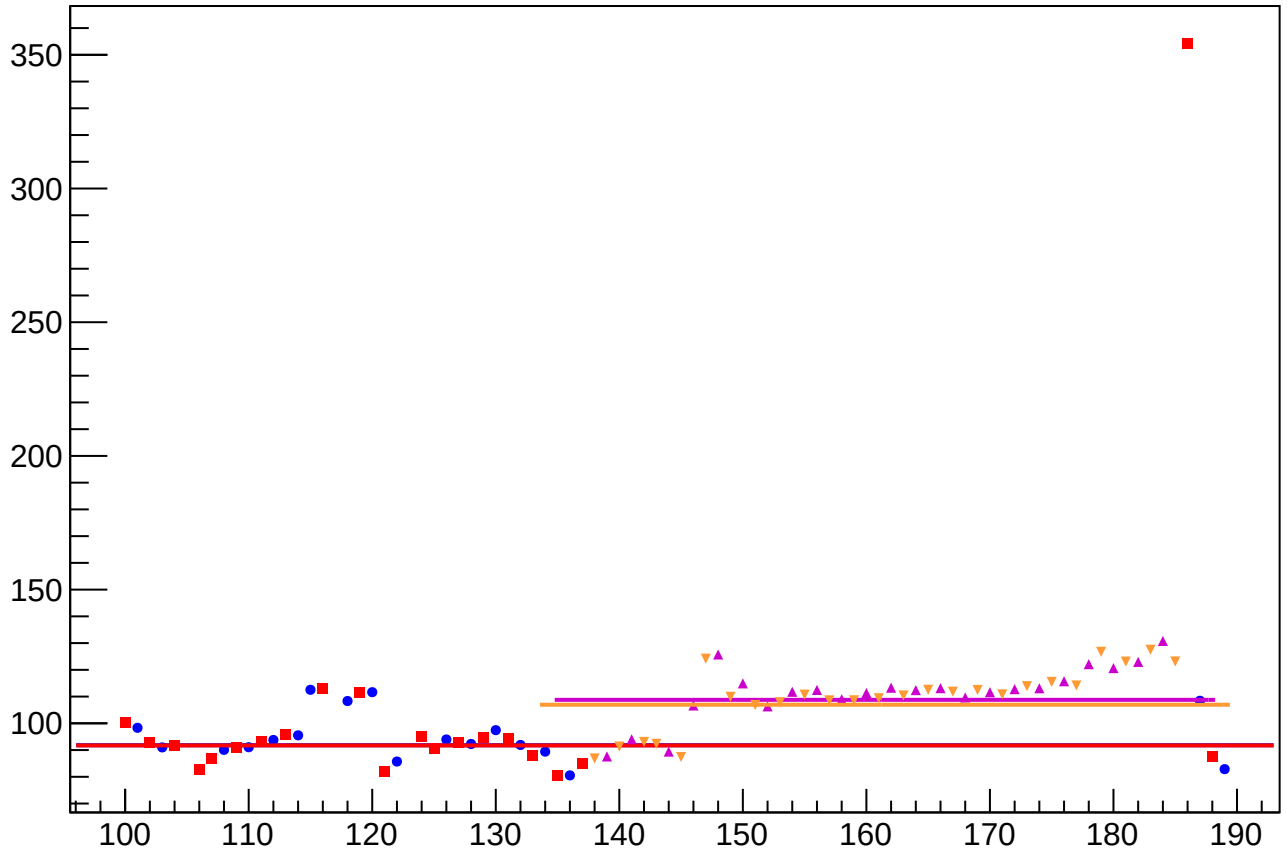
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: 6.890+/-22.629 χ^2/NDF: 36.0/38

In: -85.591+/-20.123 χ^2/NDF:60.4/40

Out: -119.149+/-19.284 χ^2/NDF:69.5/45

All: -103.084+/-13.923 χ^2/NDF: 131.4/86



Right In: 91.808+/-0.023 χ^2/NDF: 128580.2/17

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.730+/-0.022 χ^2/NDF: 554947.3/20

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

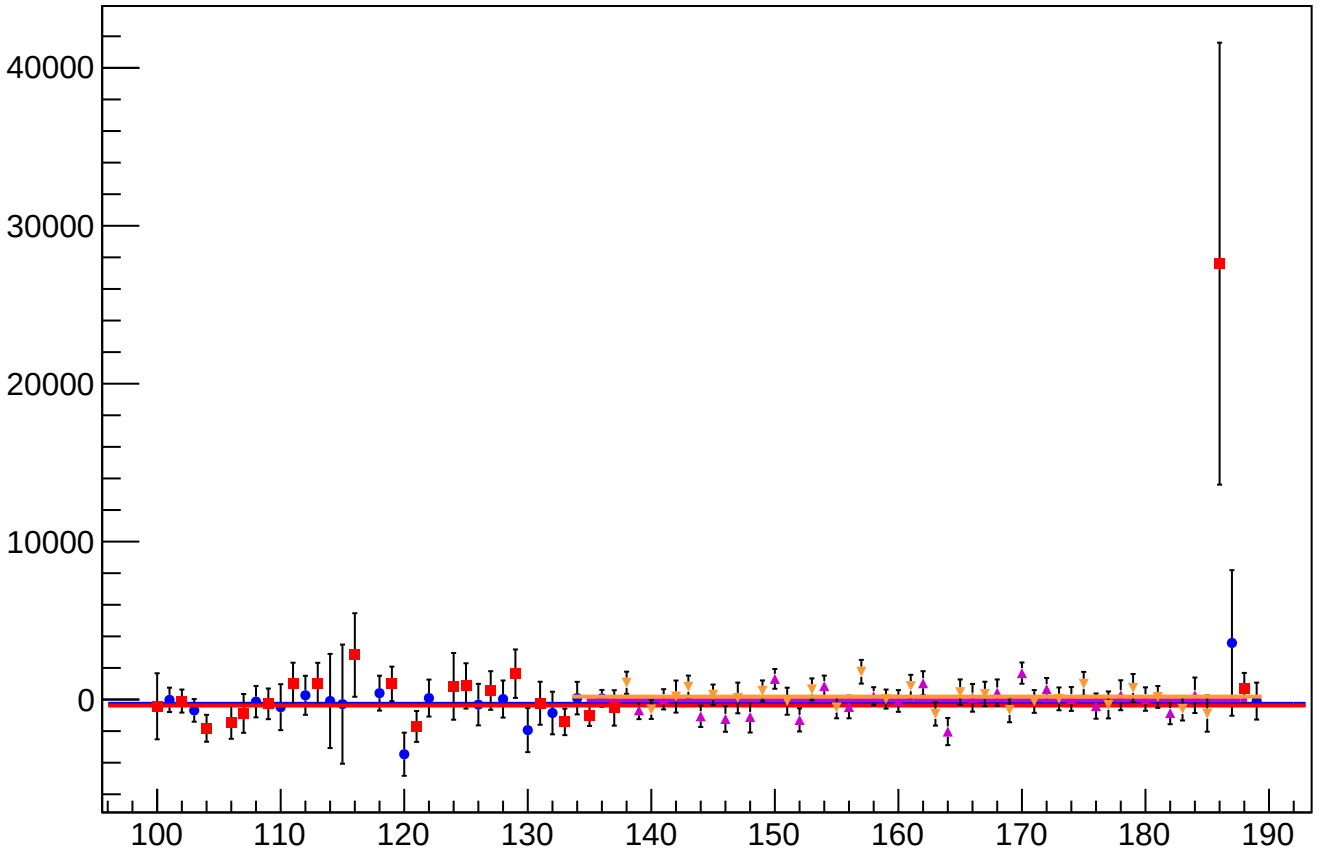
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 91.768+/-0.016 χ^2/NDF: 683533.5/38

In: 102.346+/-0.014 χ^2/NDF:821897.4/40

Out: 101.199+/-0.014 χ^2/NDF:1312305.0/45

All: 101.748+/-0.010 χ^2/NDF: 2137594.8/86



Right In: -272.042+/-253.145 χ^2/NDF: 9.5/17

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -377.738+/-241.595 χ^2/NDF: 22.4/20

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

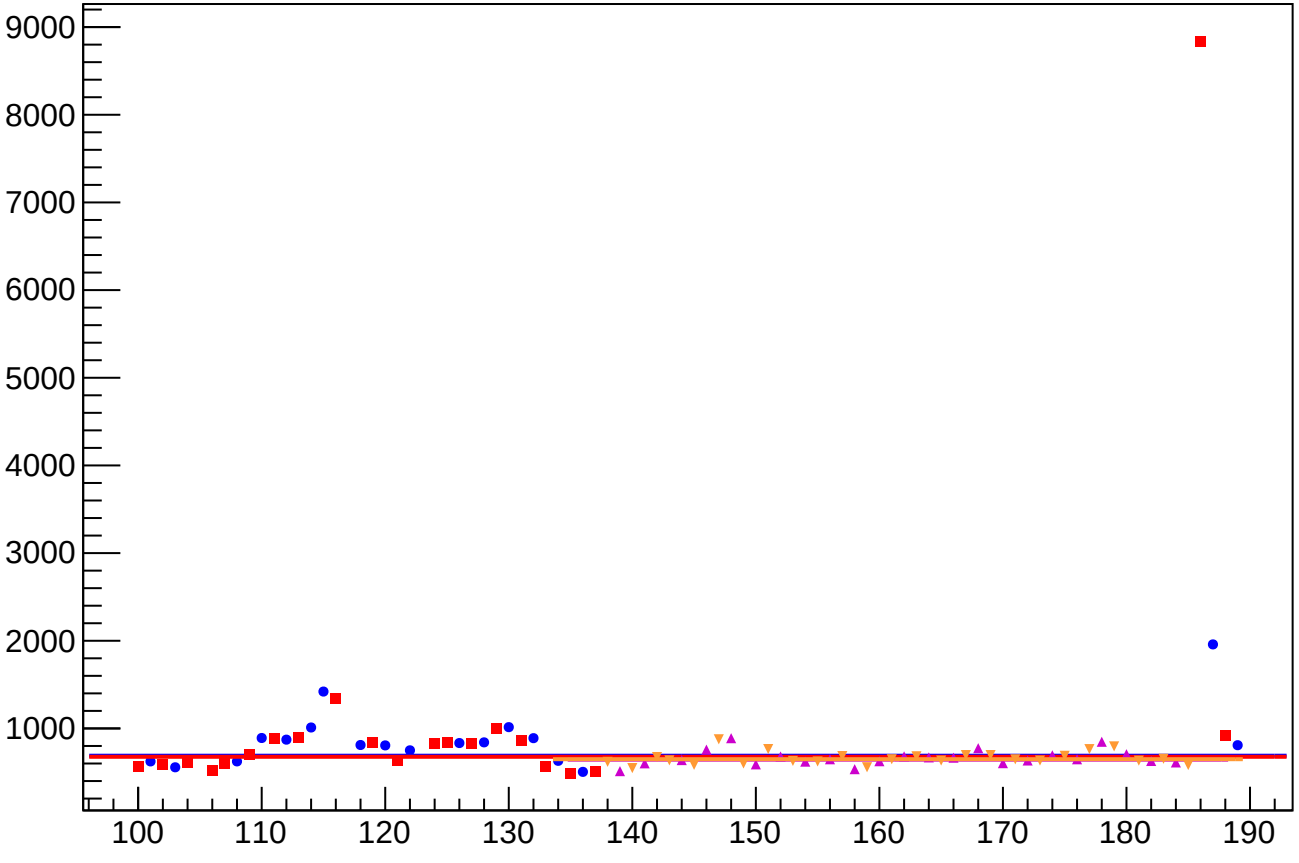
Right: -327.356+/-174.774 χ^2/NDF: 32.1/38

In: -103.914+/-130.350 χ^2/NDF:43.9/40

Out: 31.260+/-126.709 χ^2/NDF:45.4/45

All: -34.413+/-90.857 χ^2/NDF: 89.9/86

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 688.937+/-0.179 χ^2/NDF: 943653.0/17

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 676.759+/-0.171 χ^2/NDF: 1618734.2/20

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

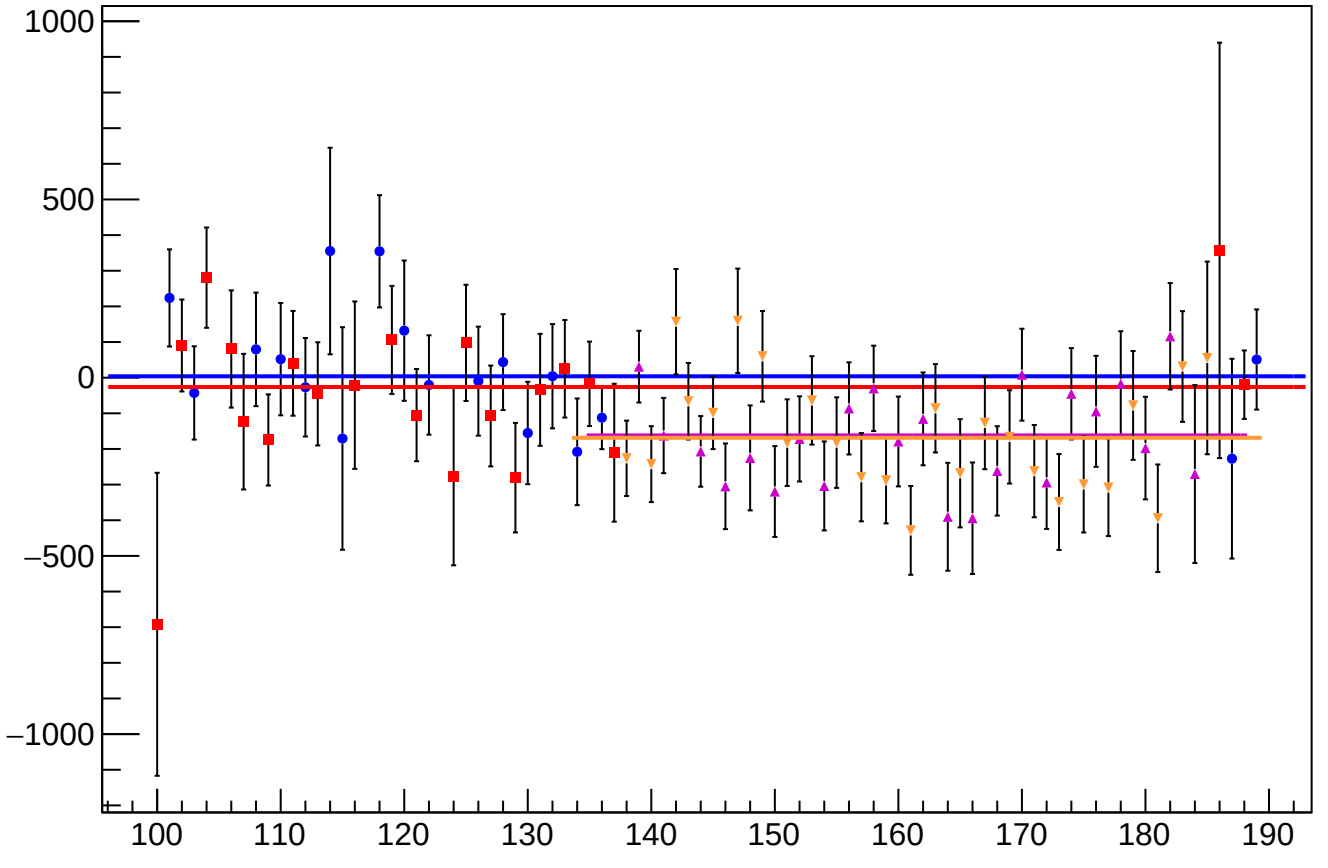
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 682.564+/-0.124 χ^2/NDF: 2564809.8/38

In: 655.968+/-0.092 χ^2/NDF:1548938.3/40

Out: 656.773+/-0.090 χ^2/NDF:2055979.8/45

All: 656.382+/-0.064 χ^2/NDF: 3604957.3/86



Right In: 3.869+/-35.059 χ^2/NDF: 16.1/17

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -26.108+/-33.214 χ^2/NDF: 17.5/20

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

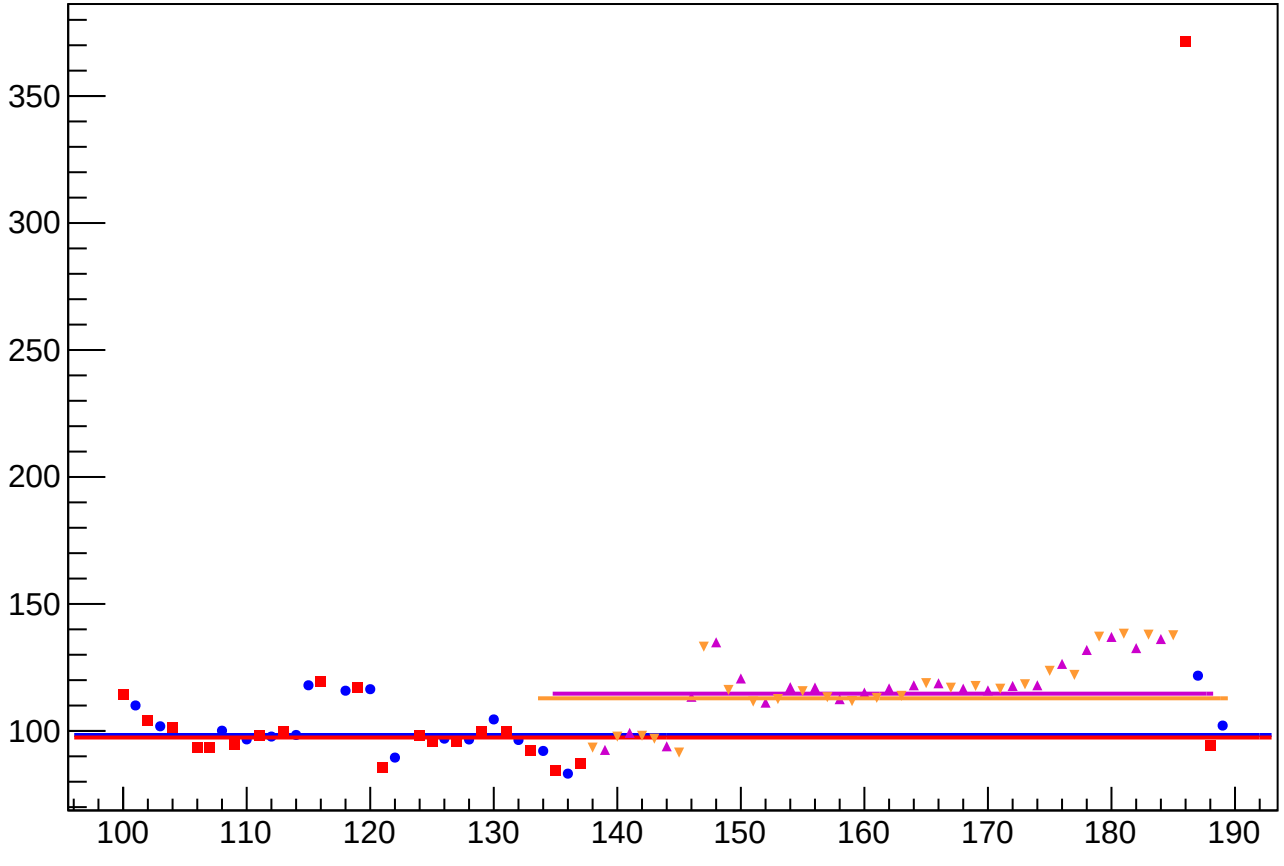
Right: -11.929+/-24.112 χ^2/NDF: 34.1/38

In: -100.417+/-21.365 χ^2/NDF:53.8/40

Out: -114.949+/-20.385 χ^2/NDF:61.4/45

All: -108.024+/-14.749 χ^2/NDF: 115.4/86

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 98.403+/-0.025 χ^2/NDF: 156567.2/17

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.413+/-0.023 χ^2/NDF: 559955.1/20

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

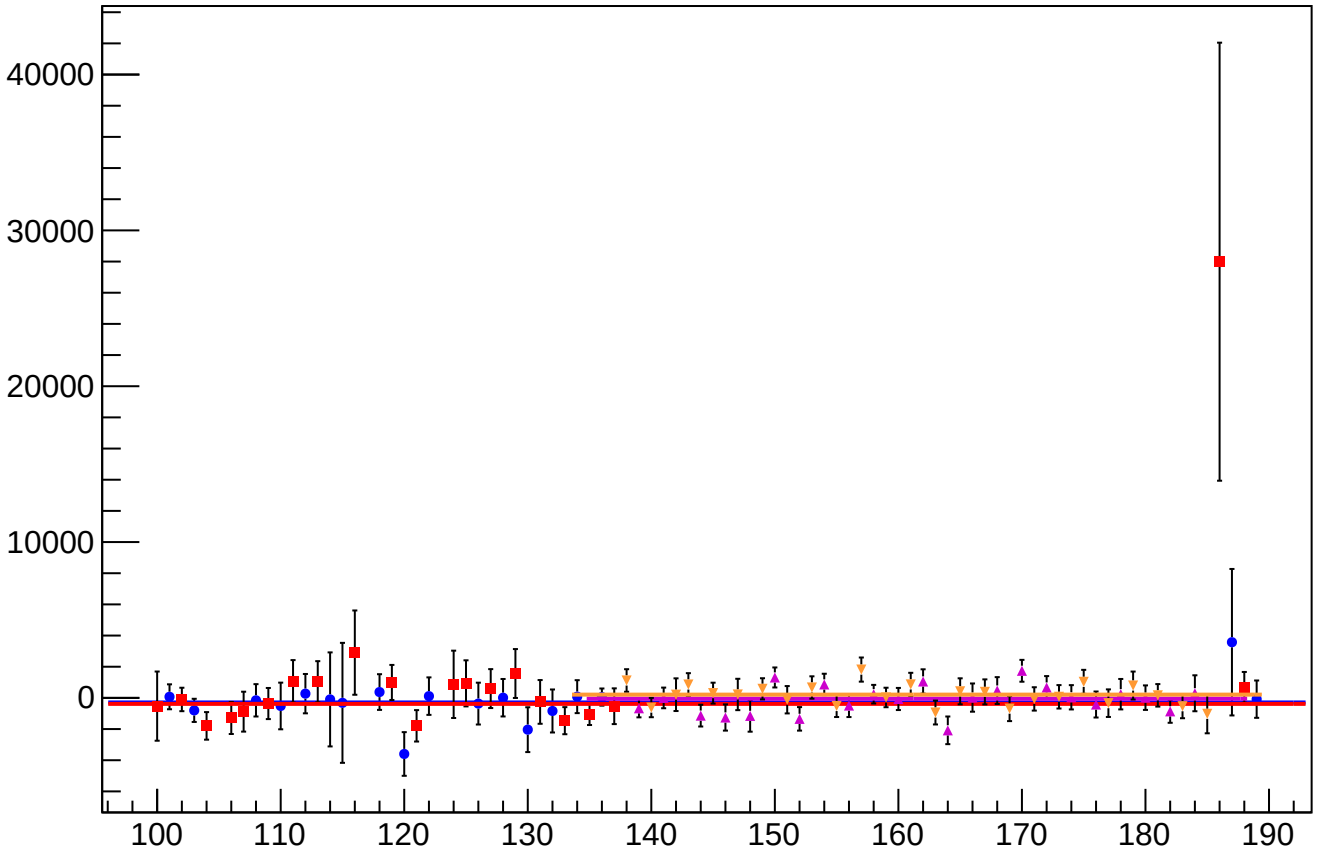
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.881+/-0.017 χ^2/NDF: 717361.7/38

In: 108.633+/-0.015 χ^2/NDF:837410.0/40

Out: 107.035+/-0.014 χ^2/NDF:1341481.9/45

All: 107.797+/-0.010 χ^2/NDF: 2184747.4/86



Right In: -293.466+/-260.680 χ^2/NDF: 9.9/17

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -384.137+/-248.333 χ^2/NDF: 21.8/20

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

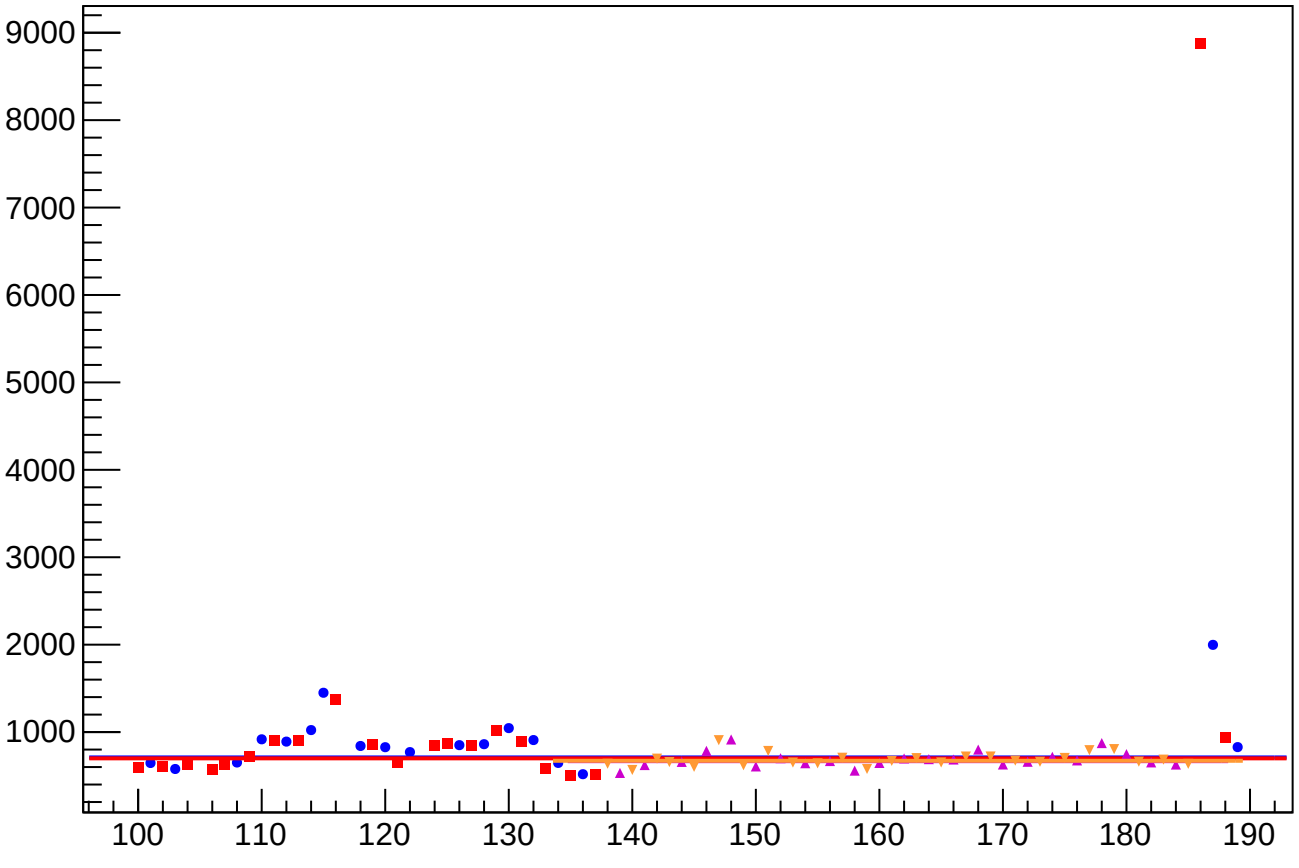
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -341.000+/-179.805 χ^2/NDF: 31.8/38

In: -115.295+/-134.796 χ^2/NDF:43.8/40

Out: 44.642+/-130.831 χ^2/NDF:44.8/45

All: -32.939+/-93.882 χ^2/NDF: 89.4/86



Right In: 710.041+/-0.184 χ^2/NDF: 926140.1/17

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 699.644+/-0.176 χ^2/NDF: 1570171.8/20

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

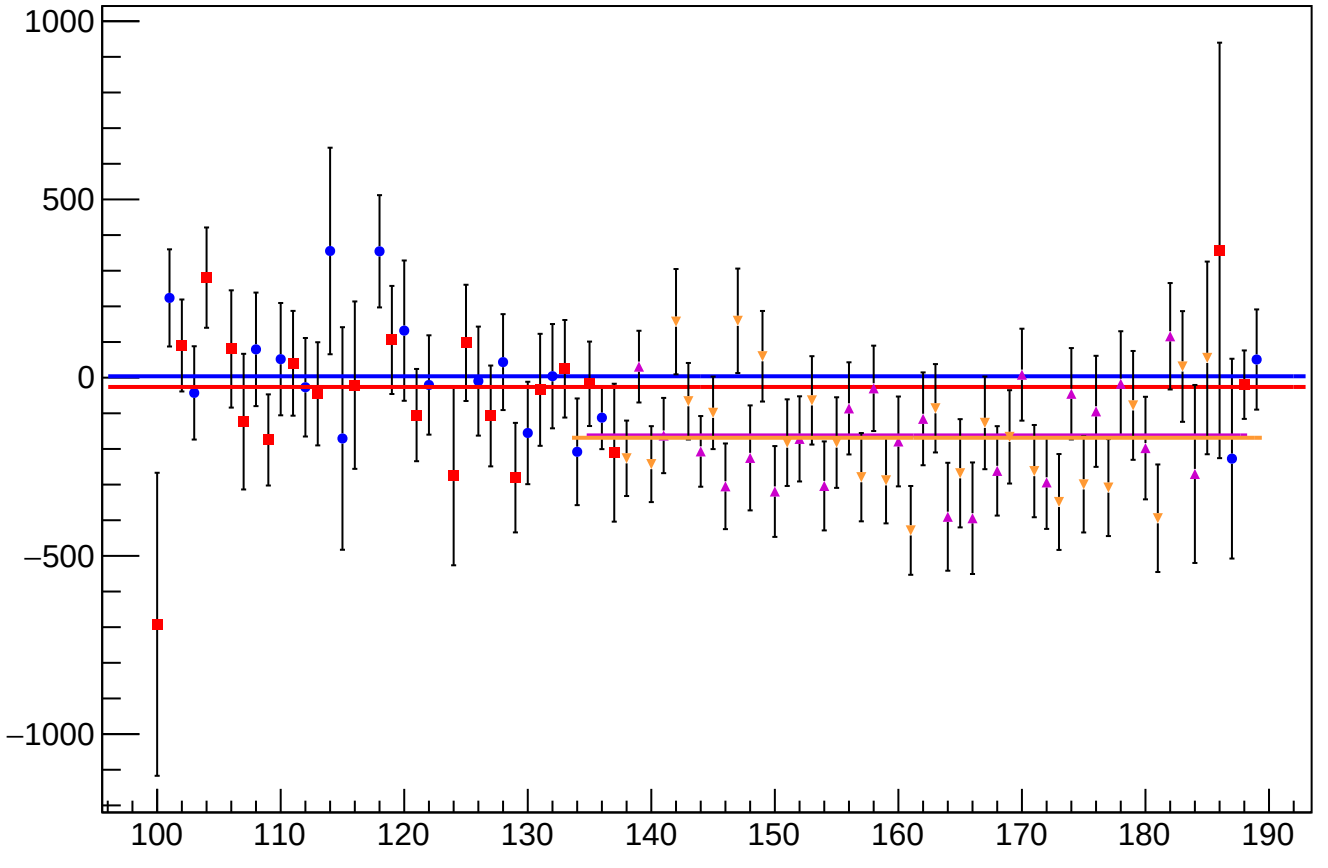
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 704.591+/-0.127 χ^2/NDF: 2497979.8/38

In: 678.759+/-0.095 χ^2/NDF:1512357.4/40

Out: 679.563+/-0.093 χ^2/NDF:1987433.4/45

All: 679.173+/-0.066 χ^2/NDF: 3499827.5/86



Right In: 3.870+/-35.059 χ^2/NDF: 16.1/17

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -26.108+/-33.214 χ^2/NDF: 17.5/20

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

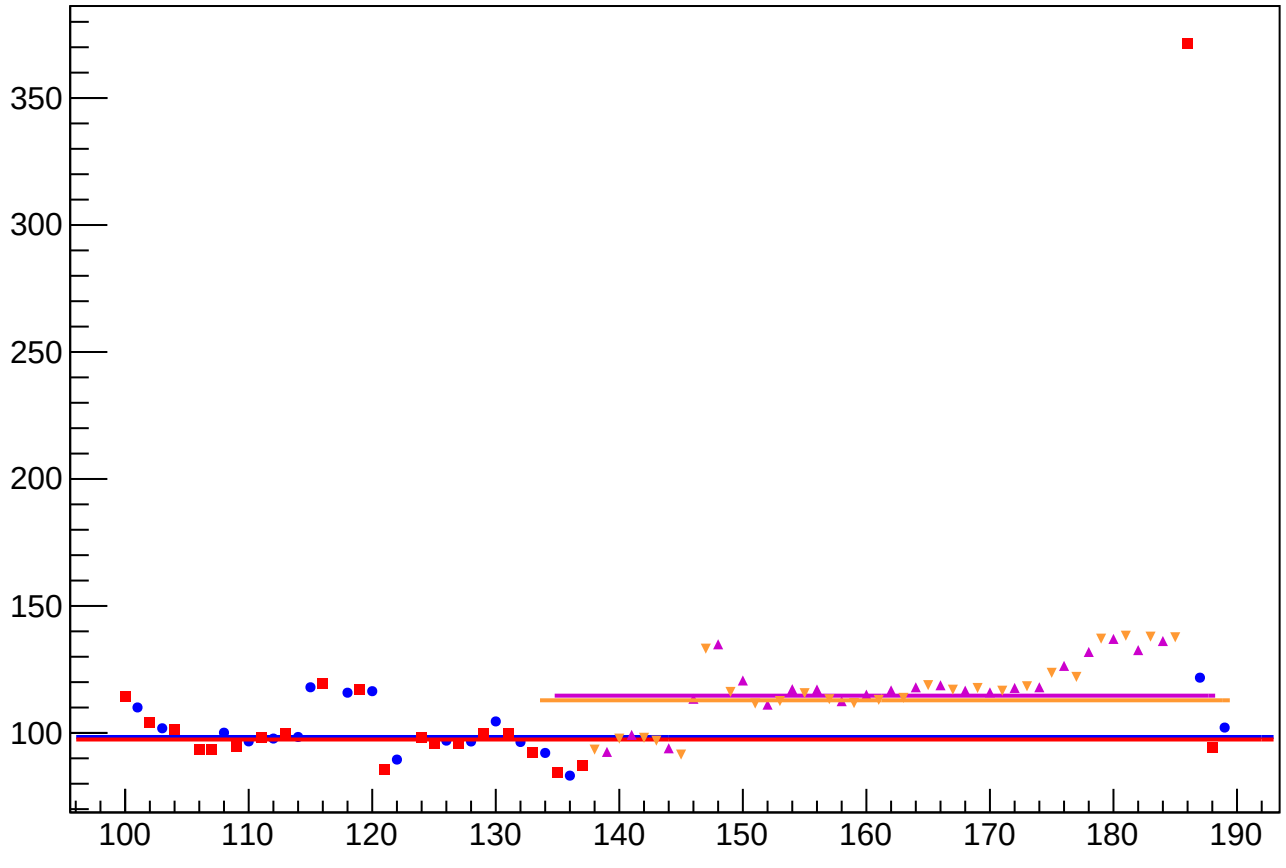
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -11.929+/-24.112 χ^2/NDF: 34.1/38

In: -100.416+/-21.365 χ^2/NDF:53.8/40

Out: -114.949+/-20.385 χ^2/NDF:61.4/45

All: -108.024+/-14.749 χ^2/NDF: 115.4/86



Right In: 98.402+/-0.025 χ^2/NDF: 156569.8/17

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.413+/-0.023 χ^2/NDF: 559953.1/20

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

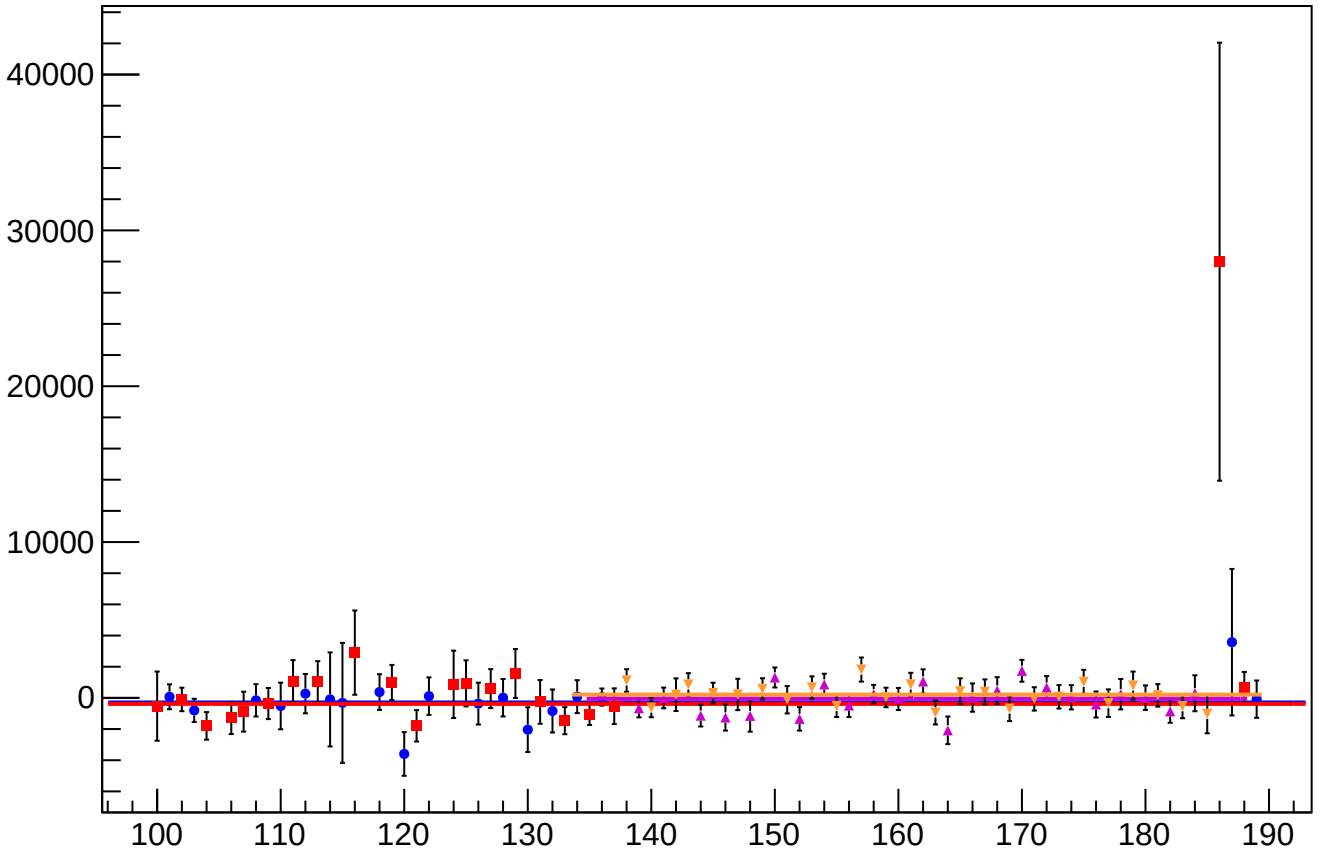
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.881+/-0.017 χ^2/NDF: 717362.3/38

In: 108.633+/-0.015 χ^2/NDF:837420.1/40

Out: 107.035+/-0.014 χ^2/NDF:1341483.1/45

All: 107.797+/-0.010 χ^2/NDF: 2184759.2/86



Right In: -293.465+/-260.680 χ^2/NDF: 9.9/17

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -384.137+/-248.332 χ^2/NDF: 21.8/20

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

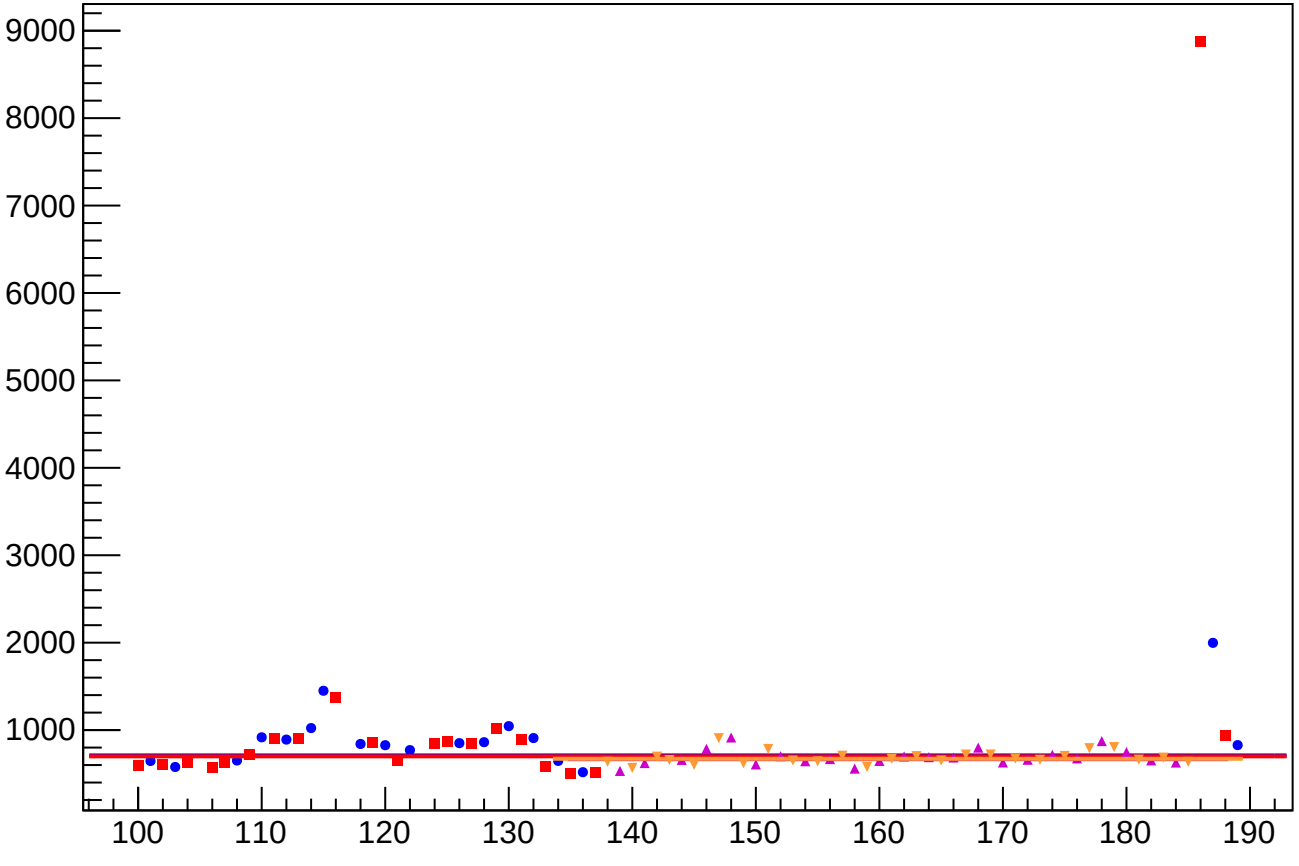
Right: -340.999+/-179.804 χ^2/NDF: 31.8/38

In: -115.295+/-134.796 χ^2/NDF:43.8/40

Out: 44.641+/-130.831 χ^2/NDF:44.8/45

All: -32.940+/-93.882 χ^2/NDF: 89.4/86

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 710.040+/-0.184 χ^2/NDF: 926144.4/17

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 699.643+/-0.176 χ^2/NDF: 1570177.9/20

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

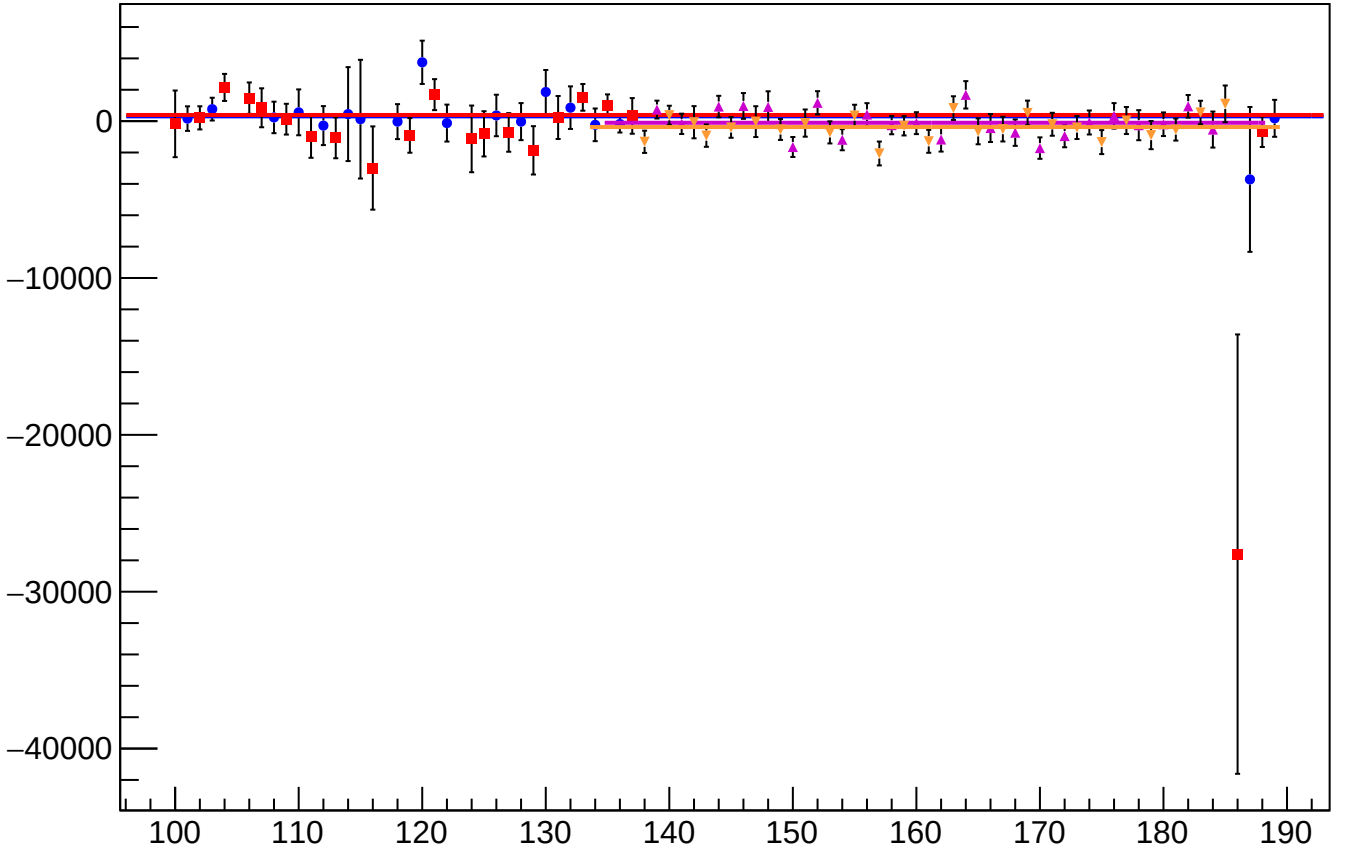
Right: 704.589+/-0.127 χ^2/NDF: 2497990.2/38

In: 678.759+/-0.095 χ^2/NDF:1512360.4/40

Out: 679.564+/-0.093 χ^2/NDF:1987437.3/45

All: 679.173+/-0.066 χ^2/NDF: 3499834.3/86

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 304.015+/-255.664 χ^2/NDF: 10.5/17

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 392.715+/-243.297 χ^2/NDF: 24.7/20

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

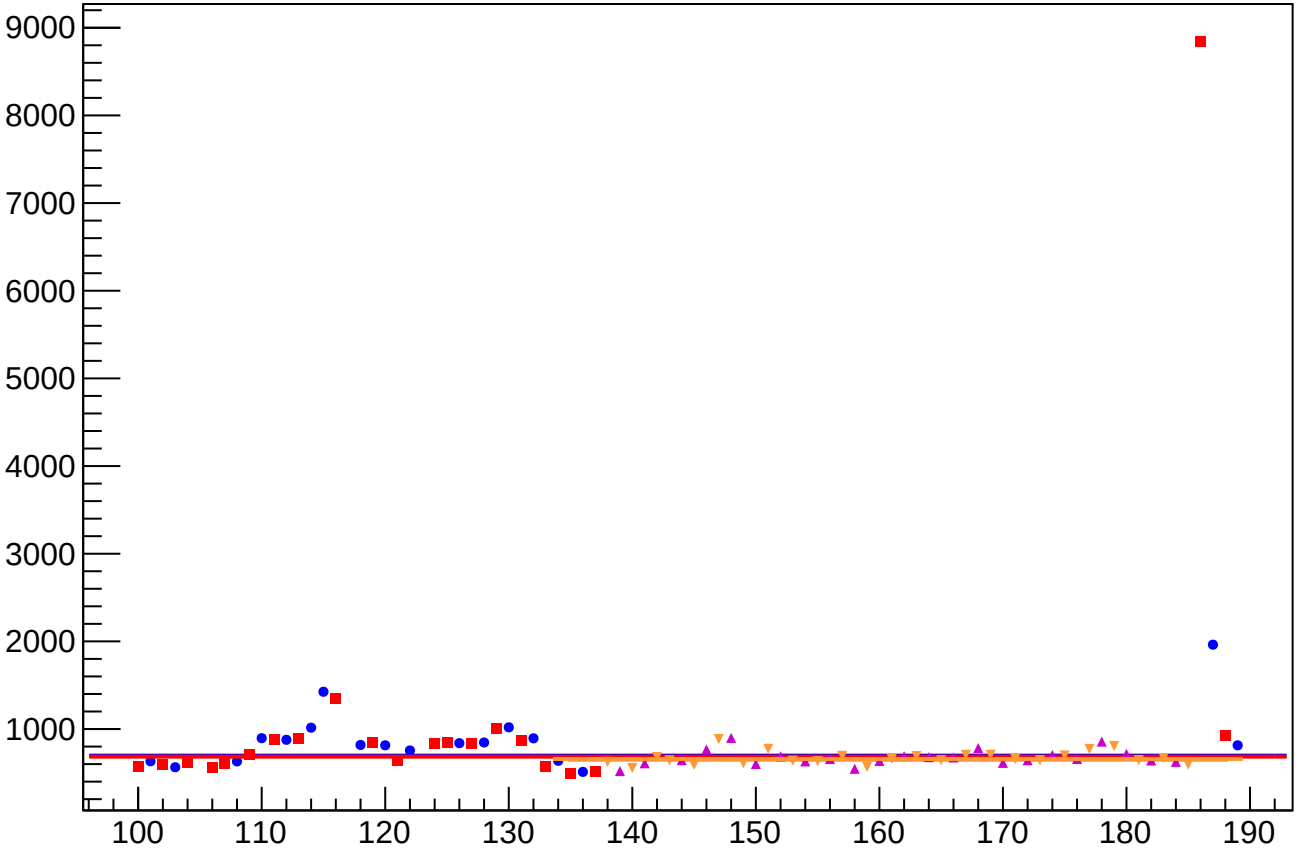
Right: 350.562+/-176.247 χ^2/NDF: 35.3/38

In: 5.471+/-132.127 χ^2/NDF:47.9/40

Out: -163.217+/-128.269 χ^2/NDF:53.3/45

All: -81.372+/-92.034 χ^2/NDF: 102.1/86

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 696.331+/-0.181 χ^2/NDF: 922718.4/17

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 685.027+/-0.172 χ^2/NDF: 1584120.9/20

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

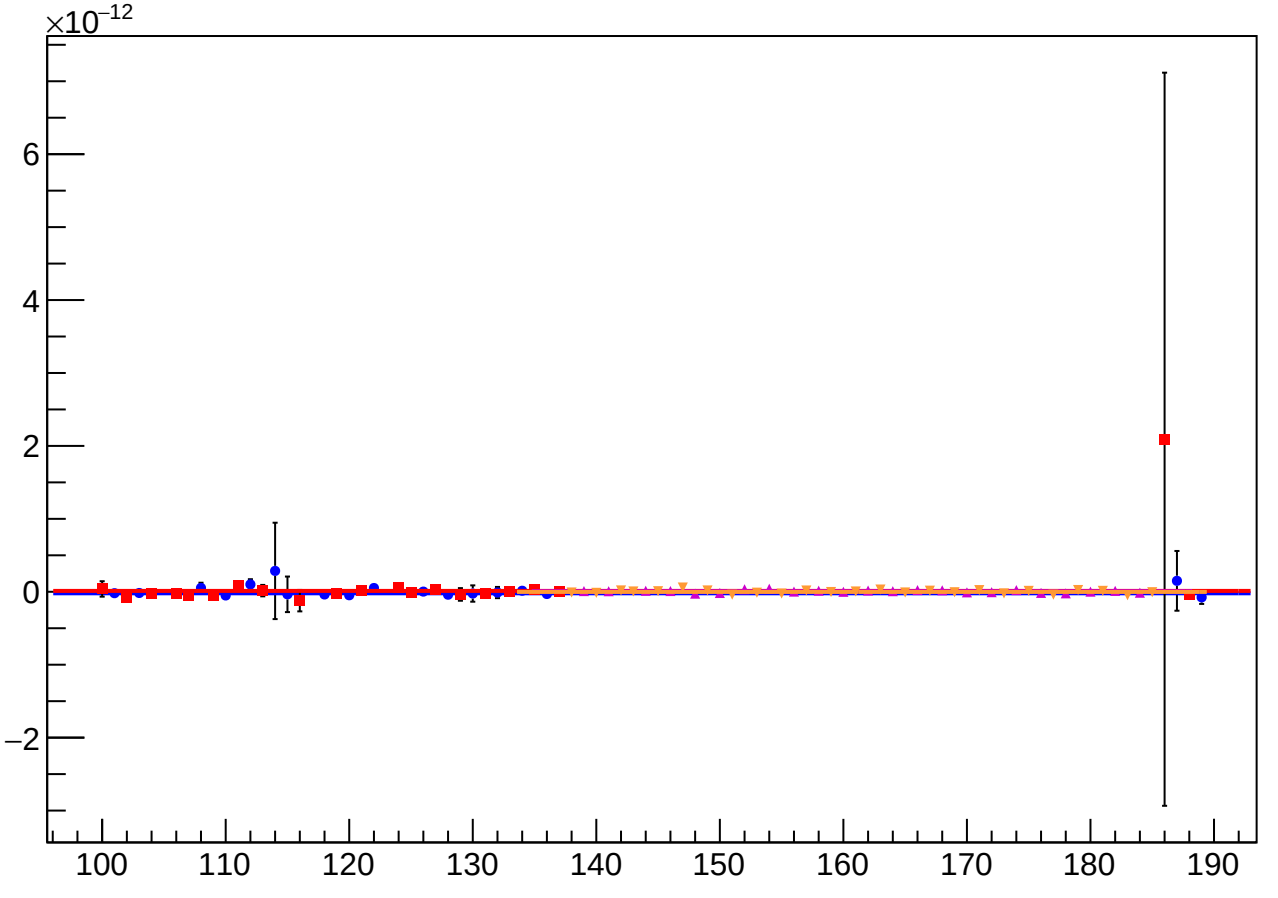
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 690.399+/-0.125 χ^2/NDF: 2508891.4/38

In: 665.269+/-0.093 χ^2/NDF:1505077.3/40

Out: 665.997+/-0.091 χ^2/NDF:2010749.7/45

All: 665.644+/-0.065 χ^2/NDF: 3515858.3/86



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/20

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

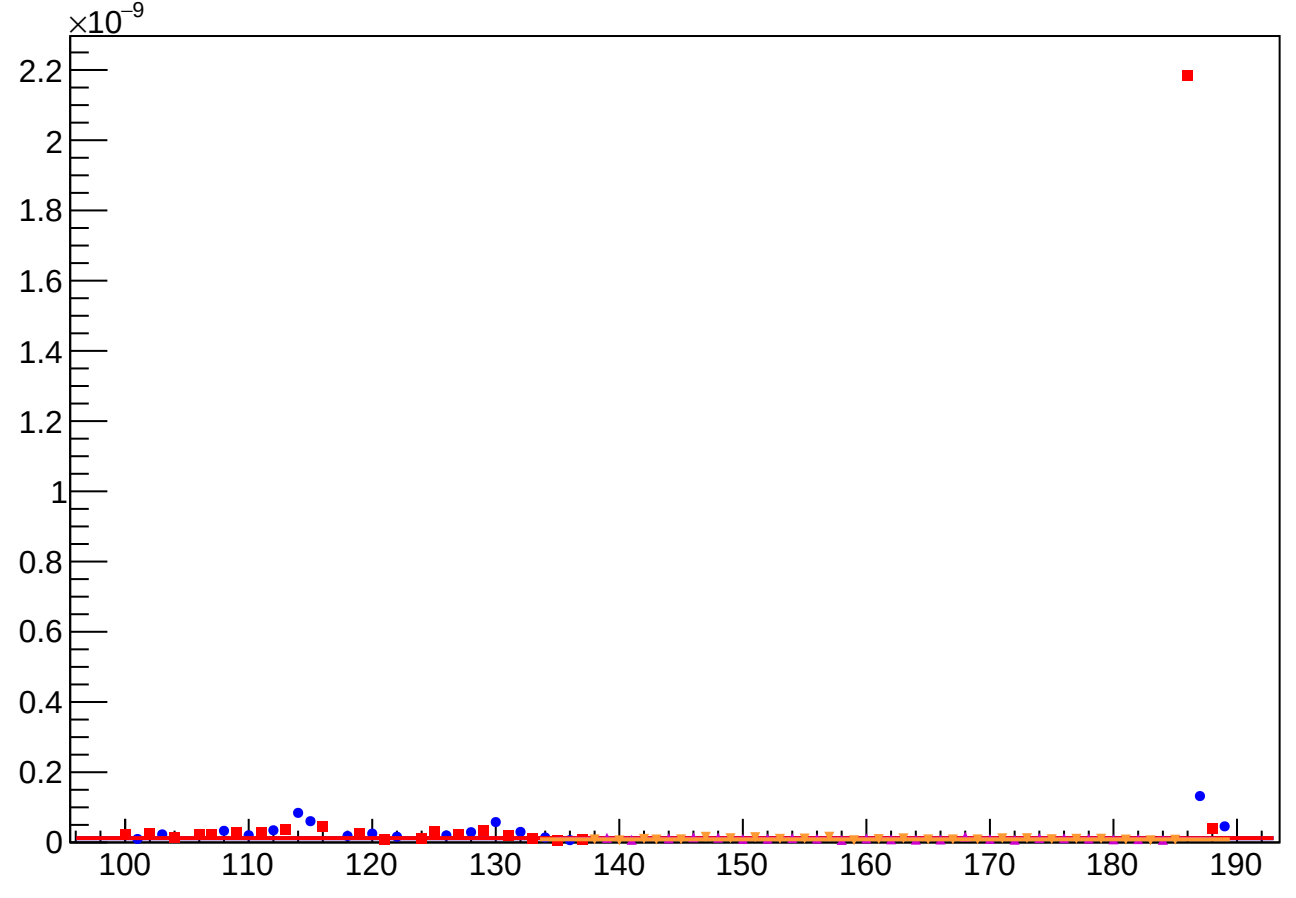
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 37.2/38

In: 0.000+/-0.000 χ^2/NDF:37.2/40

Out: 0.000+/-0.000 χ^2/NDF:52.2/45

All: 0.000+/-0.000 χ^2/NDF: 89.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 2616054.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2967699.5/20

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

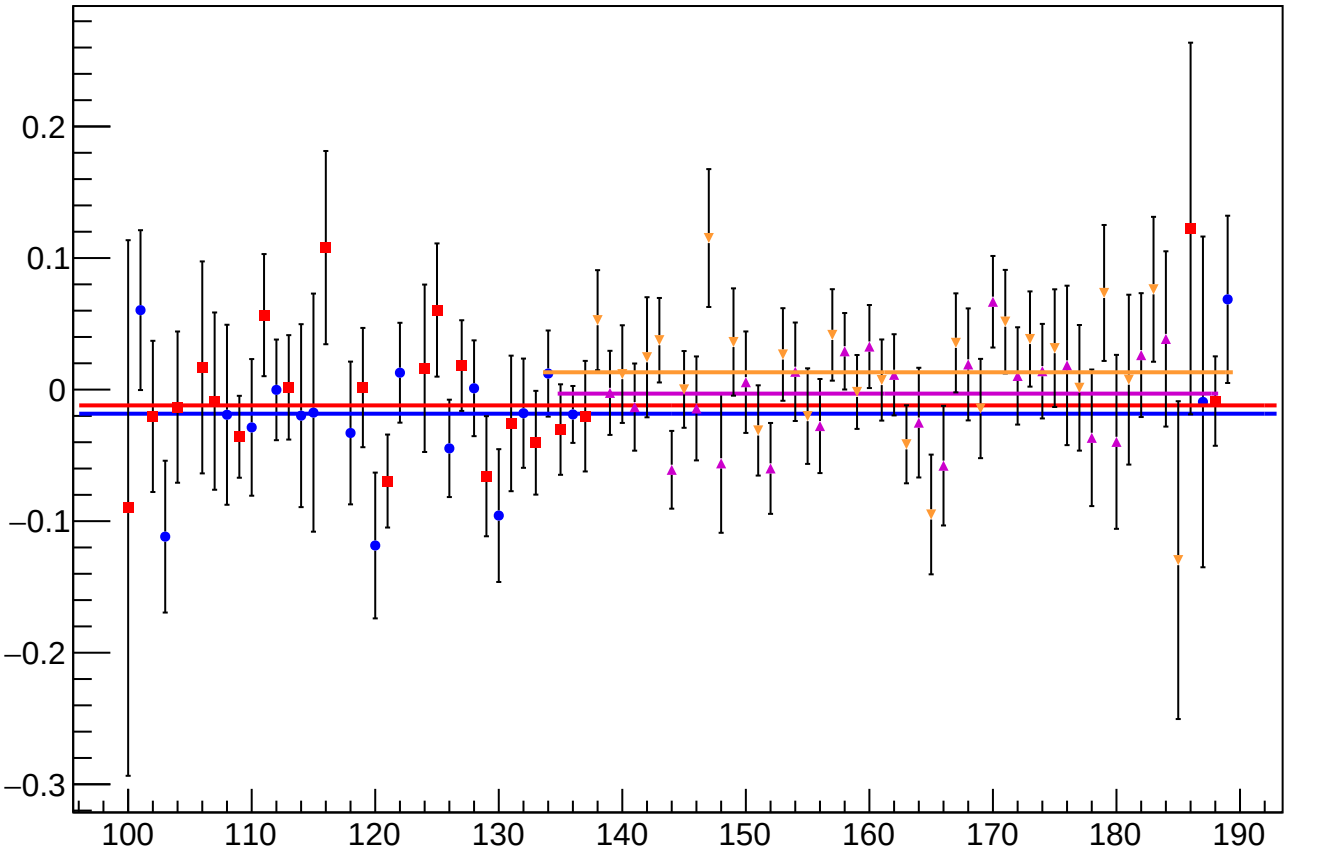
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5585356.2/38

In: 0.000+/-0.000 χ^2/NDF:3366906.6/40

Out: 0.000+/-0.000 χ^2/NDF:4326058.0/45

All: 0.000+/-0.000 χ^2/NDF: 7792677.1/86



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

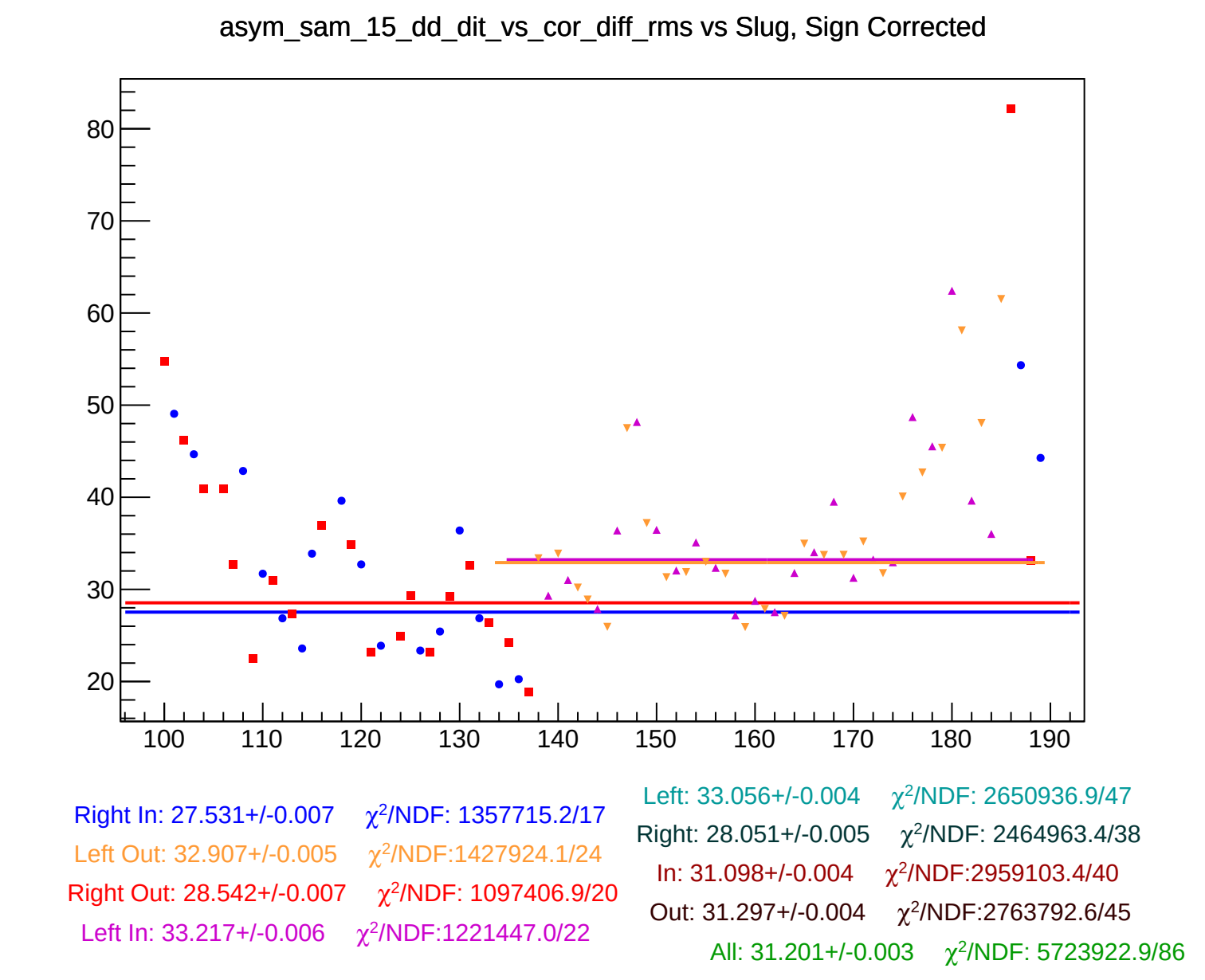
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

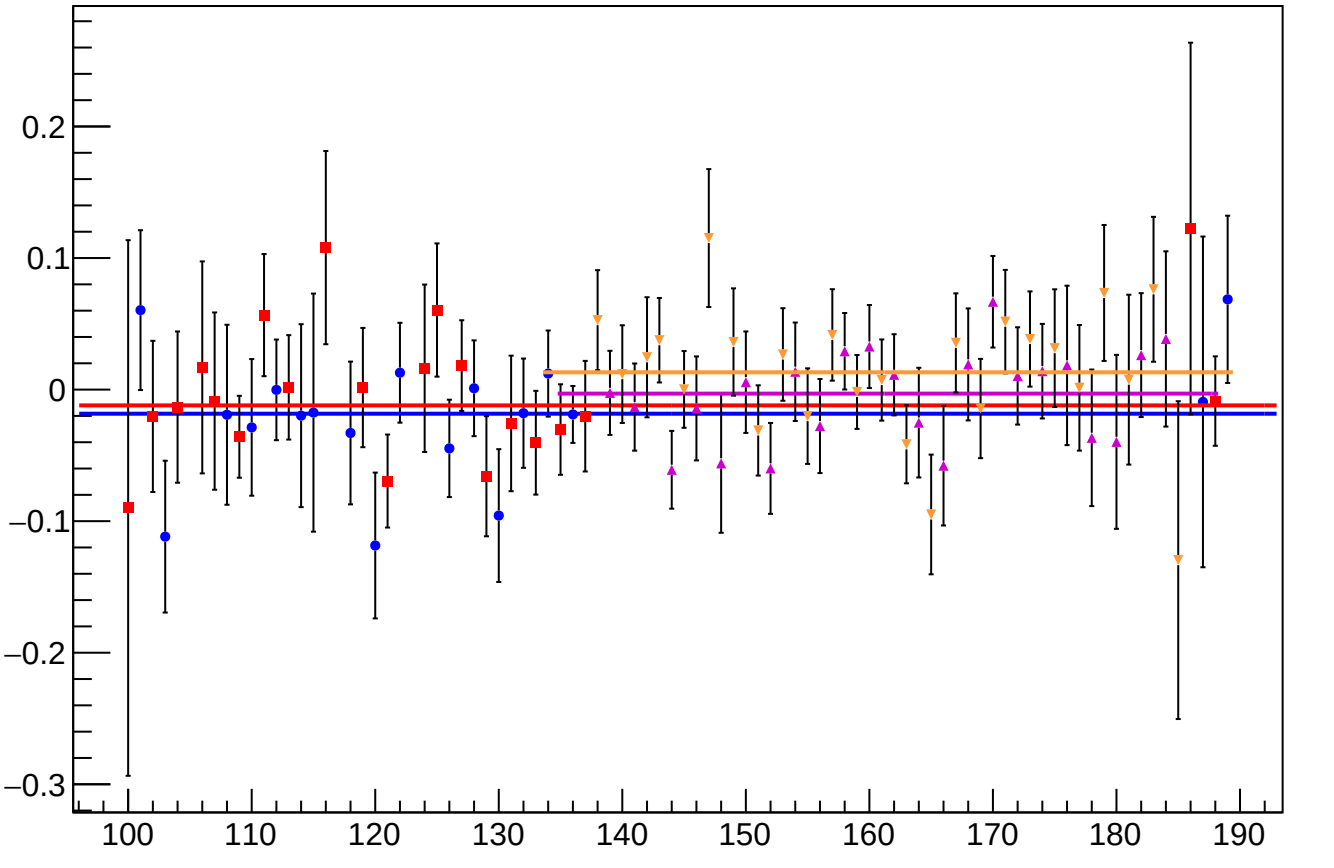
Right: -0.015+/-0.007 χ^2/NDF: 29.5/38

In: -0.009+/-0.006 χ^2/NDF:35.0/40

Out: 0.004+/-0.006 χ^2/NDF:44.2/45

All: -0.002+/-0.004 χ^2/NDF: 81.3/86


asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 27.531+/-0.007 χ²/NDF: 1357715.2/17
Left Out: 32.907+/-0.005 χ²/NDF:1427924.1/24
Right Out: 28.542+/-0.007 χ²/NDF: 1097406.9/20
Left In: 33.217+/-0.006 χ²/NDF:1221447.0/22
Left: 33.056+/-0.004 χ²/NDF: 2650936.9/47
Right: 28.051+/-0.005 χ²/NDF: 2464963.4/38
In: 31.098+/-0.004 χ²/NDF:2959103.4/40
Out: 31.297+/-0.004 χ²/NDF:2763792.6/45
All: 31.201+/-0.003 χ²/NDF: 5723922.9/86



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

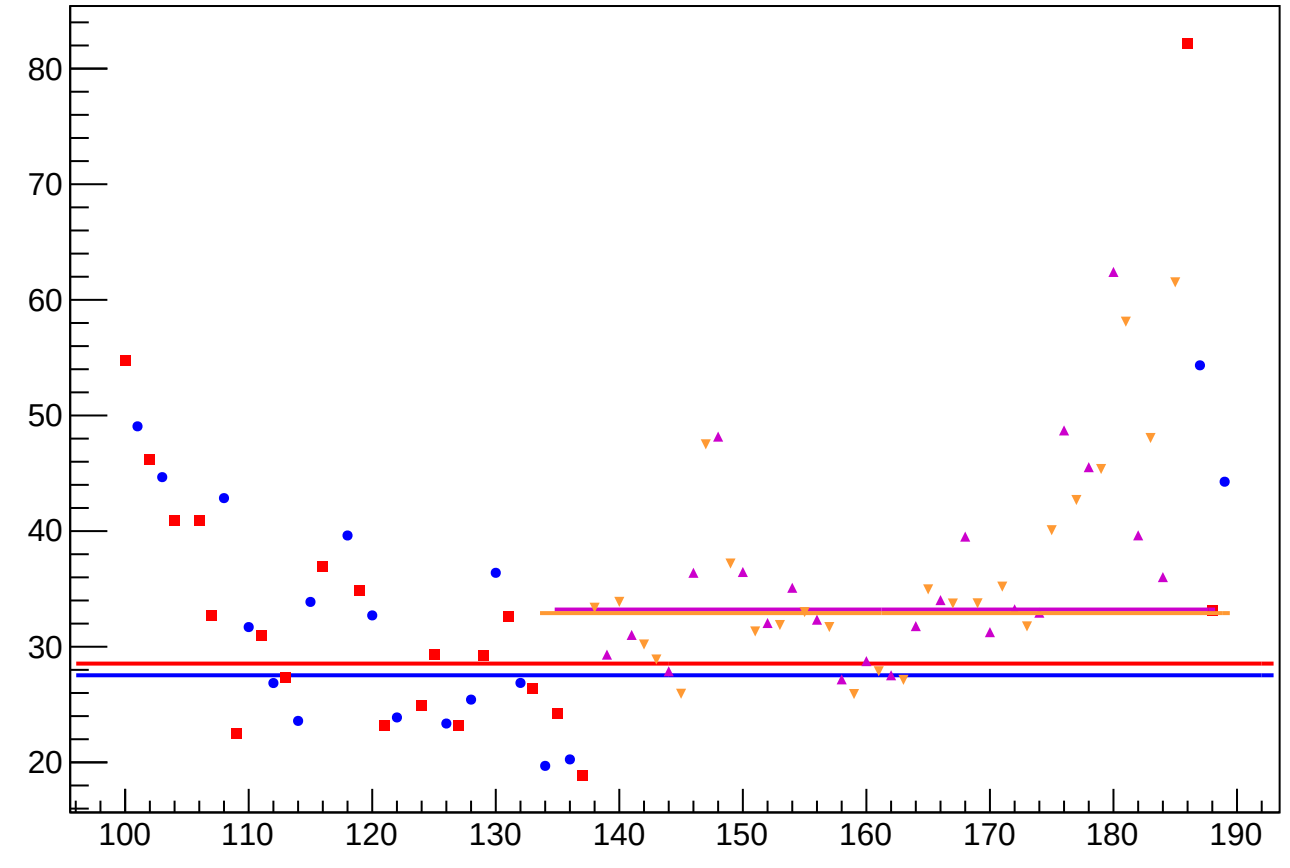
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.015+/-0.007 χ^2/NDF: 29.5/38

In: -0.009+/-0.006 χ^2/NDF:35.0/40

Out: 0.004+/-0.006 χ^2/NDF:44.2/45

All: -0.002+/-0.004 χ^2/NDF: 81.3/86



Right In: 27.531+/-0.007 χ^2/NDF: 1357715.2/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 28.542+/-0.007 χ^2/NDF: 1097406.9/20

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

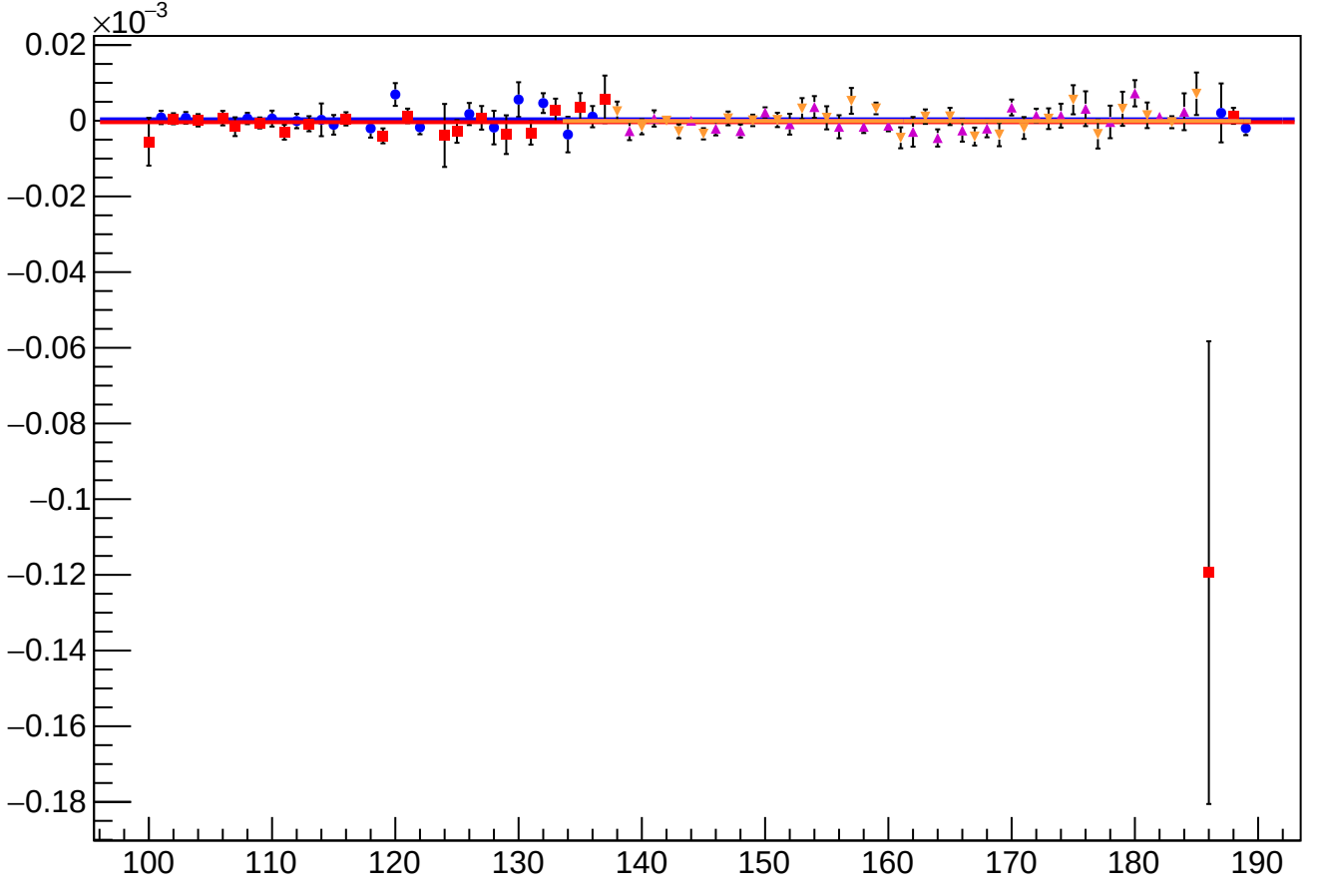
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 28.051+/-0.005 χ^2/NDF: 2464963.4/38

In: 31.098+/-0.004 χ^2/NDF:2959103.4/40

Out: 31.297+/-0.004 χ^2/NDF:2763792.6/45

All: 31.201+/-0.003 χ^2/NDF: 5723922.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/20

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

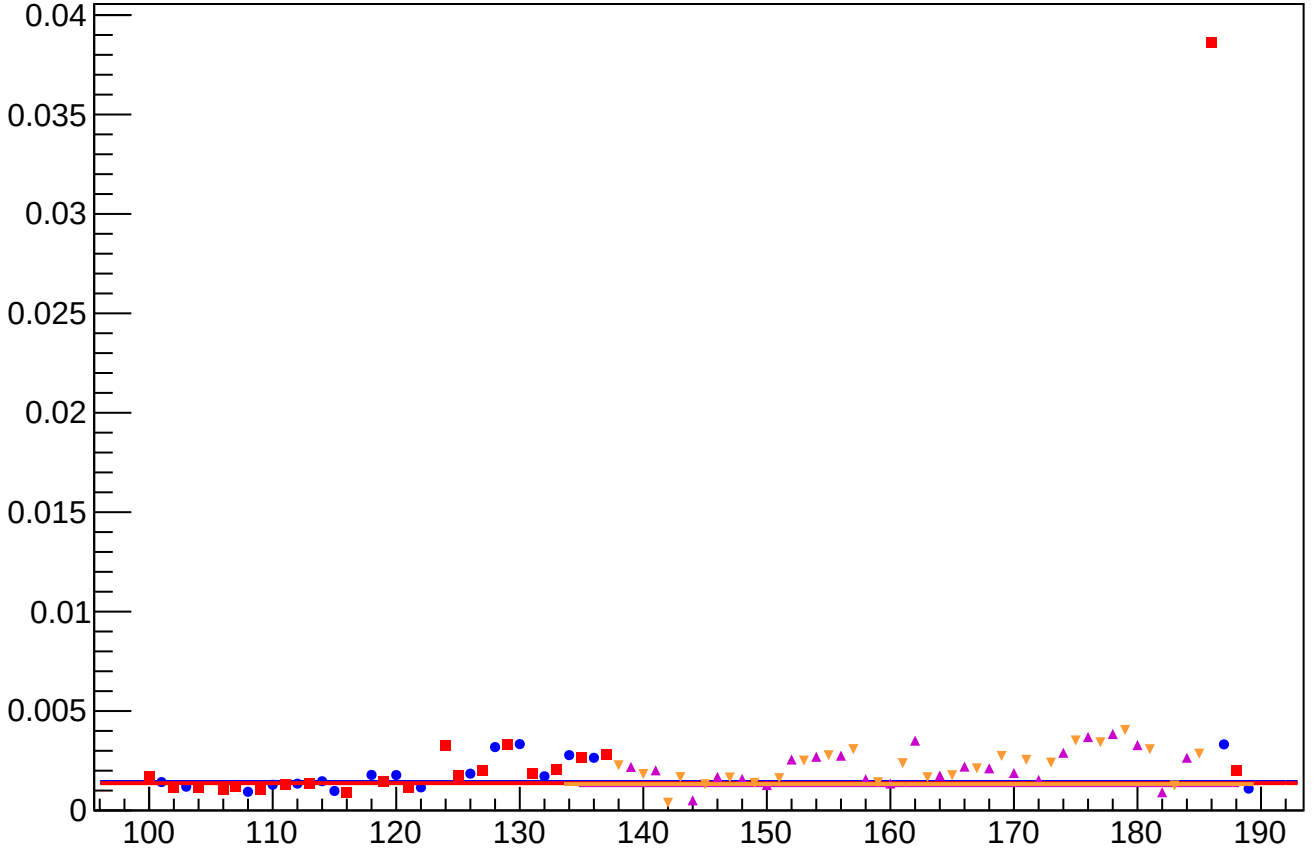
Right: -0.000+/-0.000 χ^2/NDF: 33.2/38

In: 0.000+/-0.000 χ^2/NDF:41.9/40

Out: -0.000+/-0.000 χ^2/NDF:48.9/45

All: -0.000+/-0.000 χ^2/NDF: 91.2/86

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1895664.1/17

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2351511.1/20

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

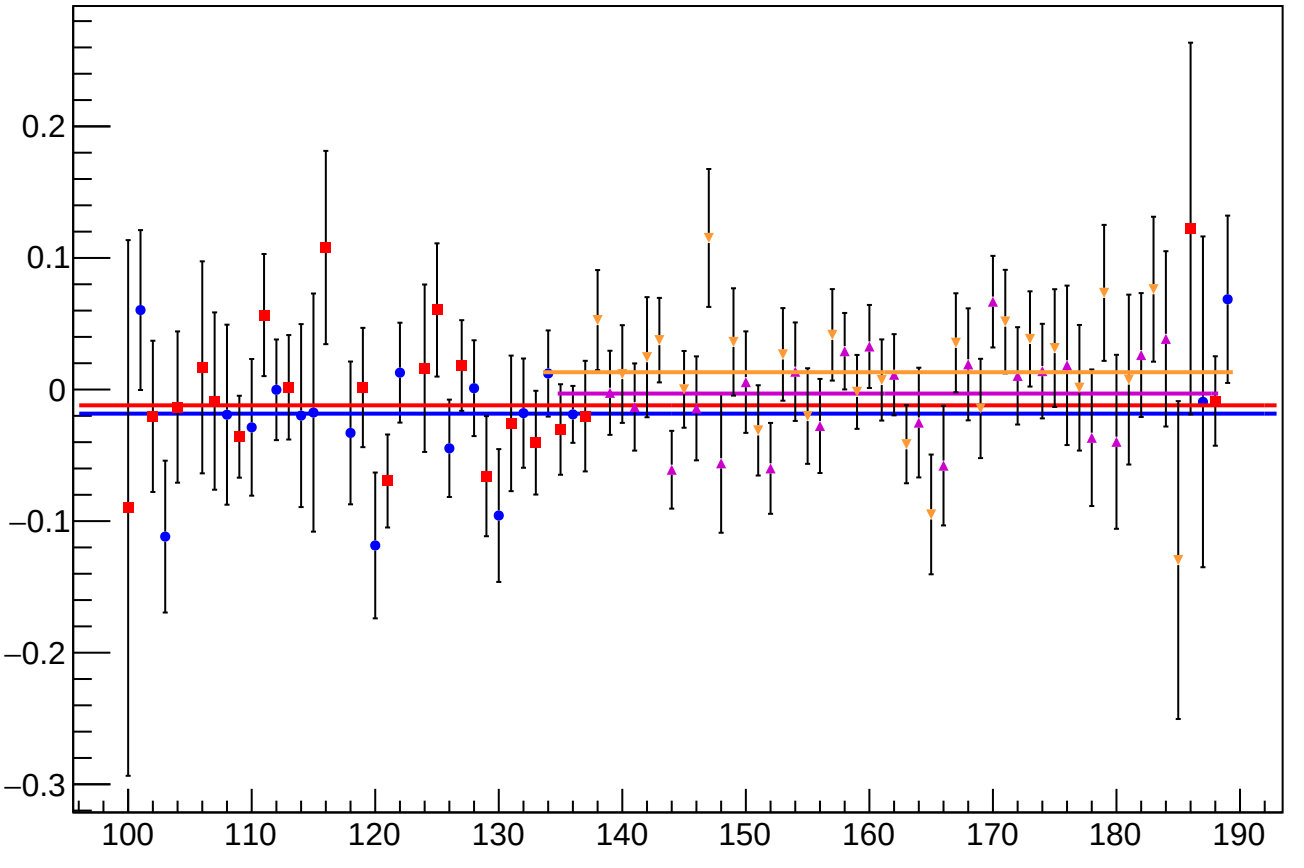
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 4259318.9/38

In: 0.001+/-0.000 χ^2/NDF:11889071.6/40

Out: 0.001+/-0.000 χ^2/NDF:13521881.2/45

All: 0.001+/-0.000 χ^2/NDF: 25416654.3/86



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

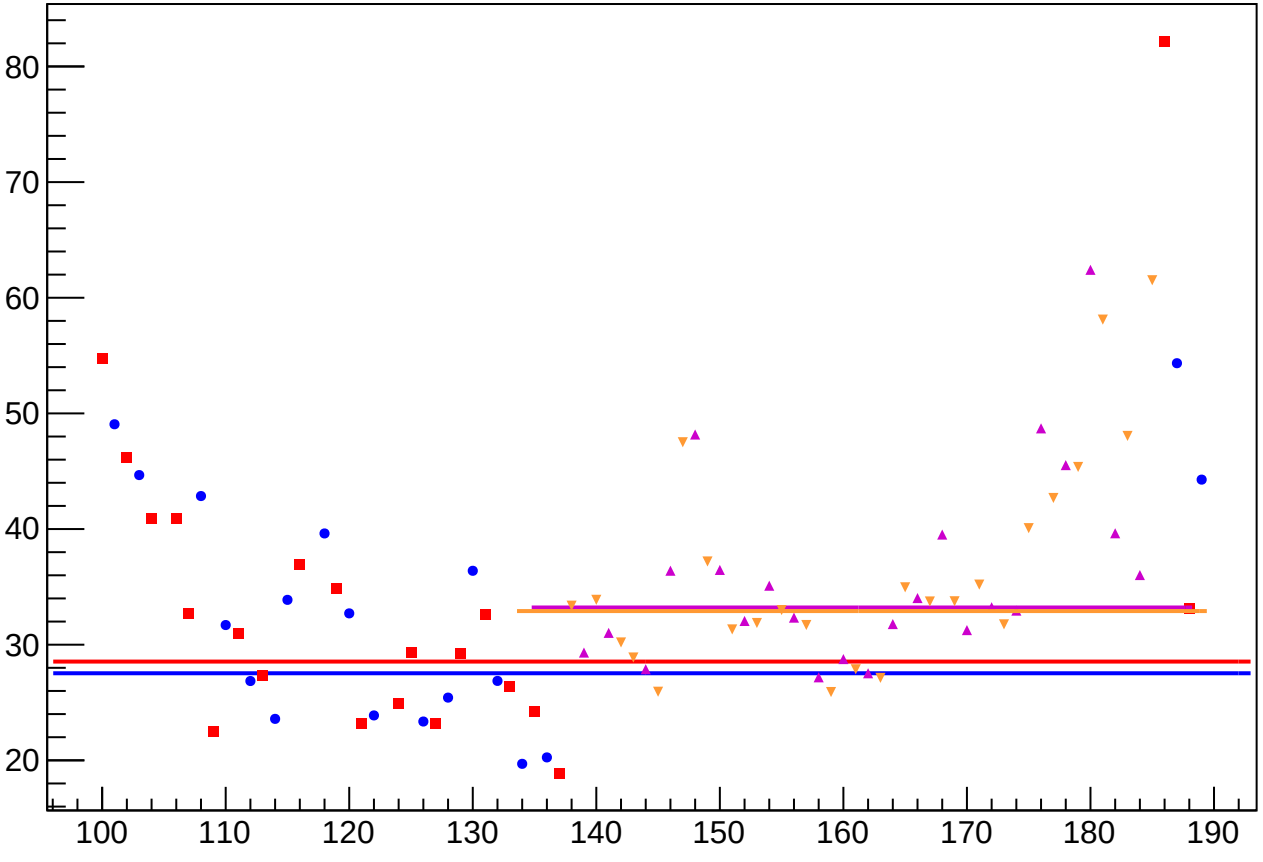
Right: -0.015+/-0.007 χ^2/NDF: 29.5/38

In: -0.009+/-0.006 χ^2/NDF:35.0/40

Out: 0.004+/-0.006 χ^2/NDF:44.2/45

All: -0.002+/-0.004 χ^2/NDF: 81.3/86

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.530+/-0.007 χ^2/NDF: 1357780.4/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 28.540+/-0.007 χ^2/NDF: 1097506.8/20

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

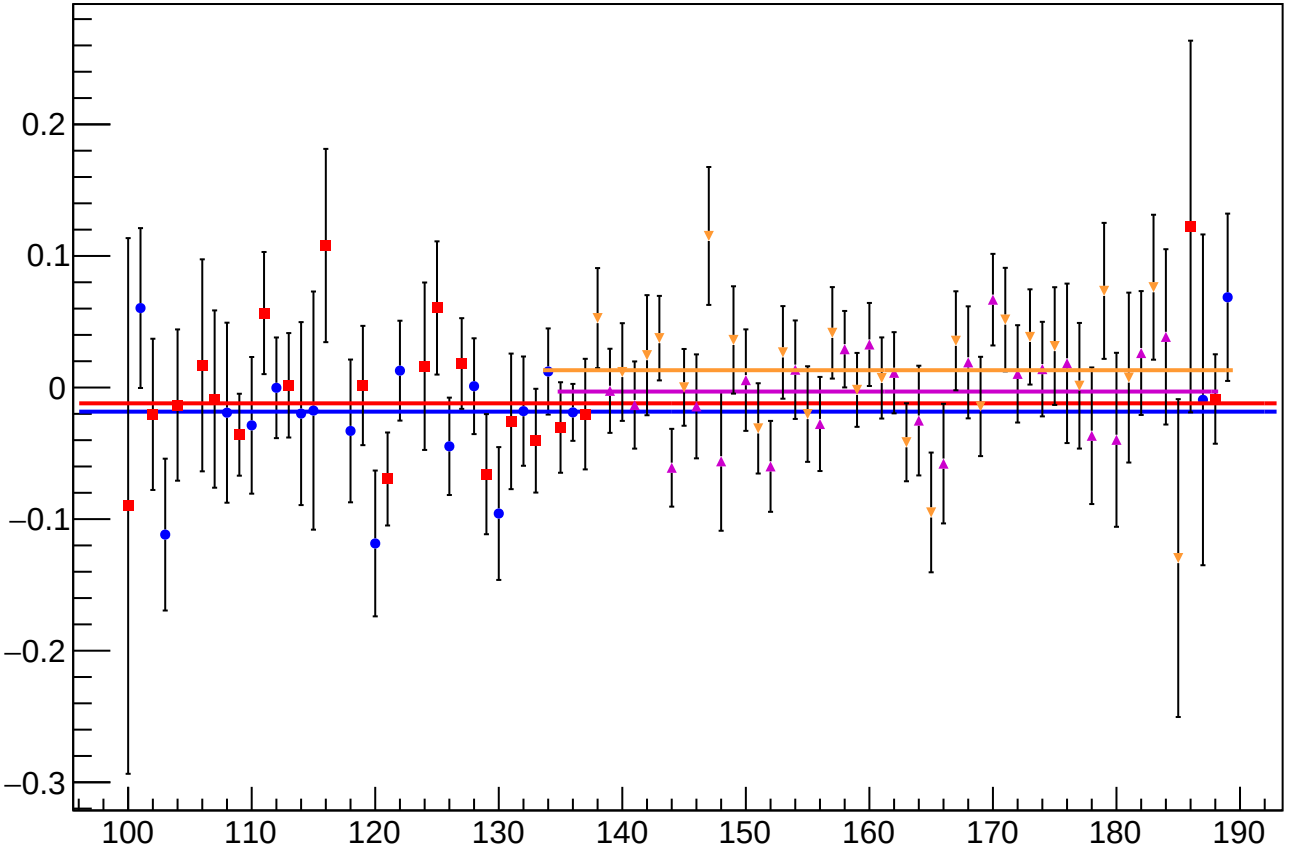
Right: 28.050+/-0.005 χ^2/NDF: 2465122.6/38

In: 31.098+/-0.004 χ^2/NDF:2959370.4/40

Out: 31.296+/-0.004 χ^2/NDF:2764097.7/45

All: 31.200+/-0.003 χ^2/NDF: 5724493.2/86

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.010 χ^2/NDF: 14.5/17

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

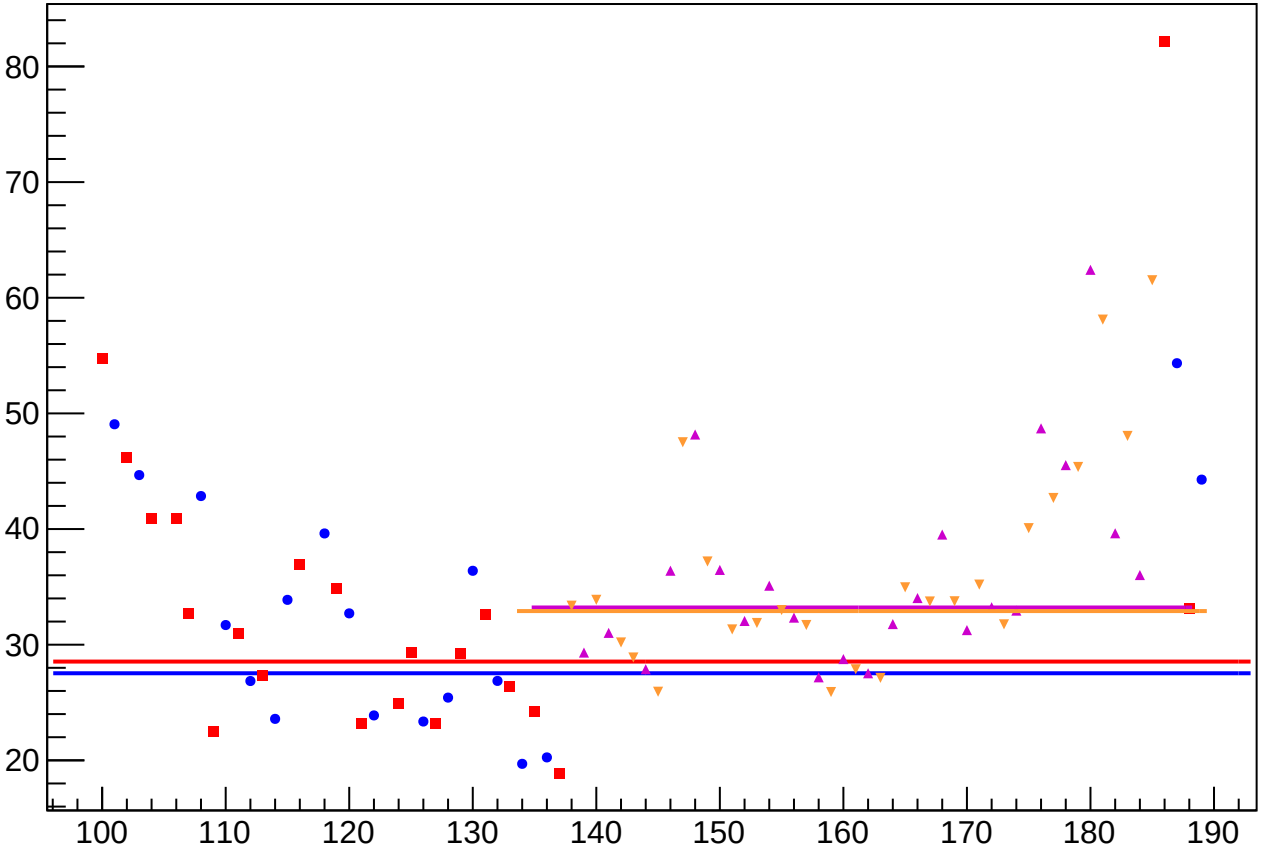
Right: -0.015+/-0.007 χ^2/NDF: 29.5/38

In: -0.009+/-0.006 χ^2/NDF:35.0/40

Out: 0.004+/-0.006 χ^2/NDF:44.2/45

All: -0.002+/-0.004 χ^2/NDF: 81.3/86

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.530+/-0.007 χ^2/NDF: 1357780.4/17

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 28.540+/-0.007 χ^2/NDF: 1097506.8/20

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

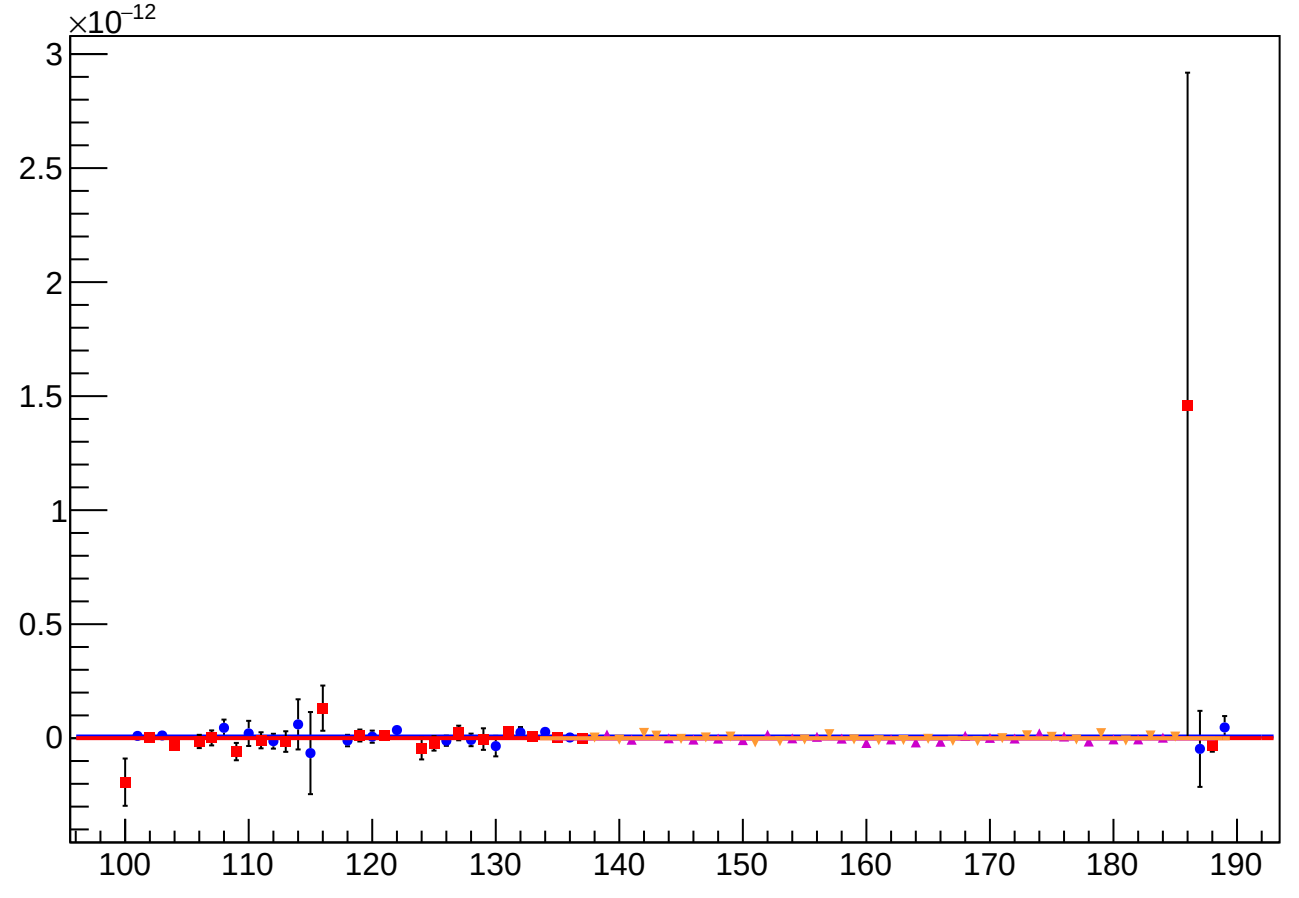
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 28.050+/-0.005 χ^2/NDF: 2465122.6/38

In: 31.098+/-0.004 χ^2/NDF:2959370.4/40

Out: 31.296+/-0.004 χ^2/NDF:2764097.7/45

All: 31.200+/-0.003 χ^2/NDF: 5724493.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

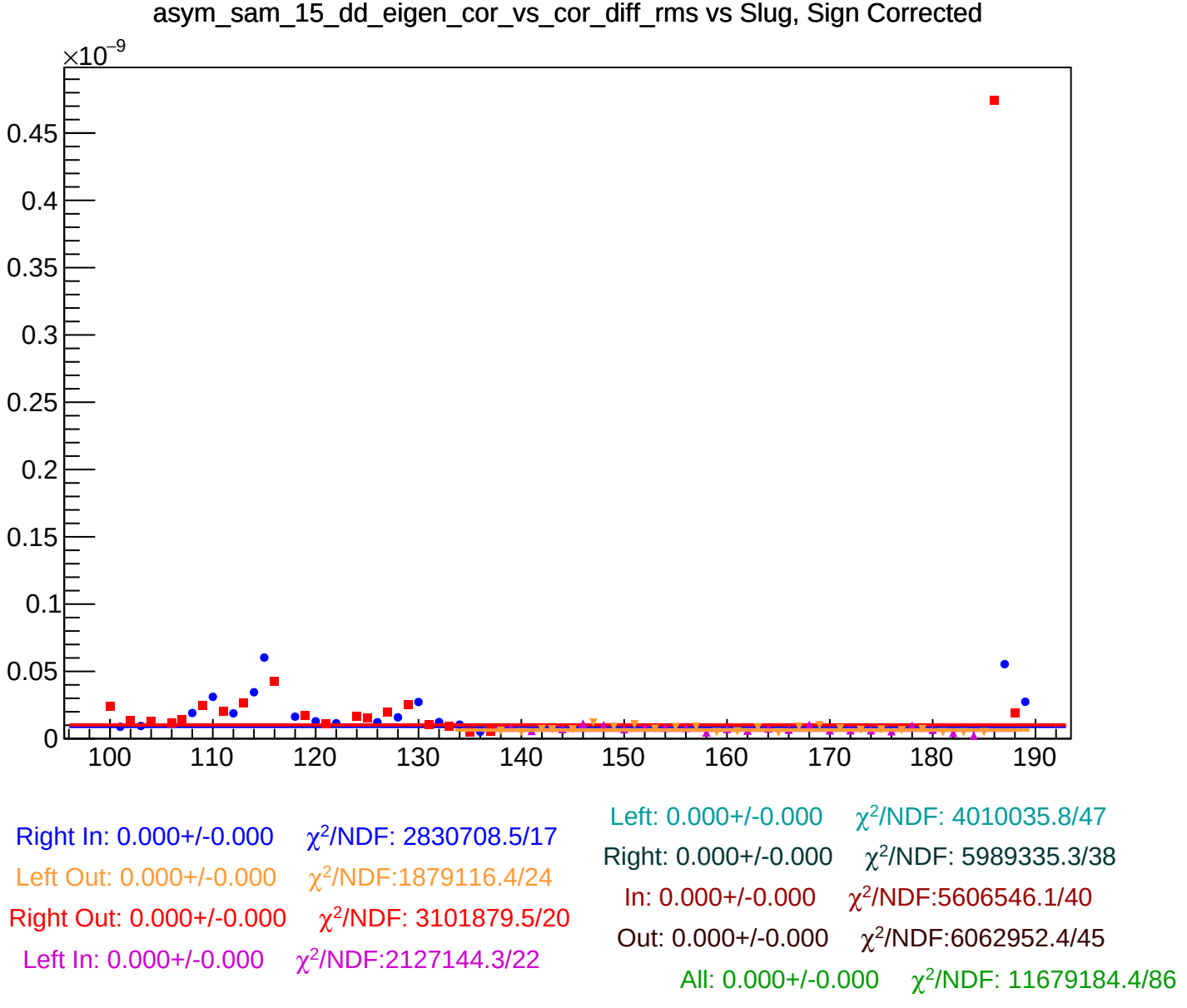
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

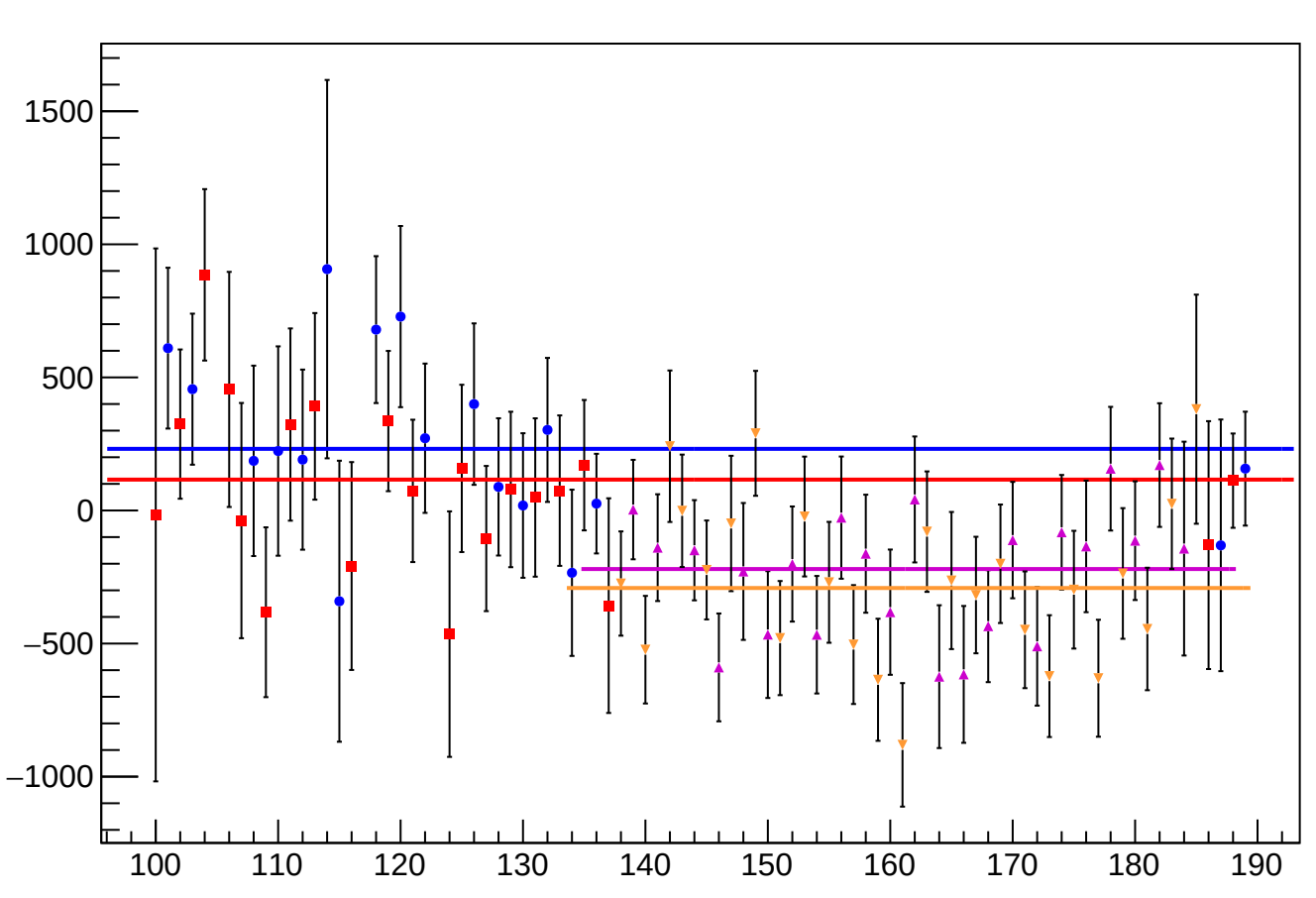
Right: 0.000+/-0.000 χ^2/NDF: 28.1/38

In: 0.000+/-0.000 χ^2/NDF:37.4/40

Out: -0.000+/-0.000 χ^2/NDF:48.9/45

All: -0.000+/-0.000 χ^2/NDF: 86.4/86


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2830708.5/17
Left Out: 0.000+/-0.000 χ²/NDF:1879116.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3101879.5/20
Left In: 0.000+/-0.000 χ²/NDF:2127144.3/22
Left: 0.000+/-0.000 χ²/NDF: 4010035.8/47
Right: 0.000+/-0.000 χ²/NDF: 5989335.3/38
In: 0.000+/-0.000 χ²/NDF:5606546.1/40
Out: 0.000+/-0.000 χ²/NDF:6062952.4/45
All: 0.000+/-0.000 χ²/NDF: 11679184.4/86



Right In: 231.566+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 116.018+/-67.841 χ^2/NDF: 15.8/20

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

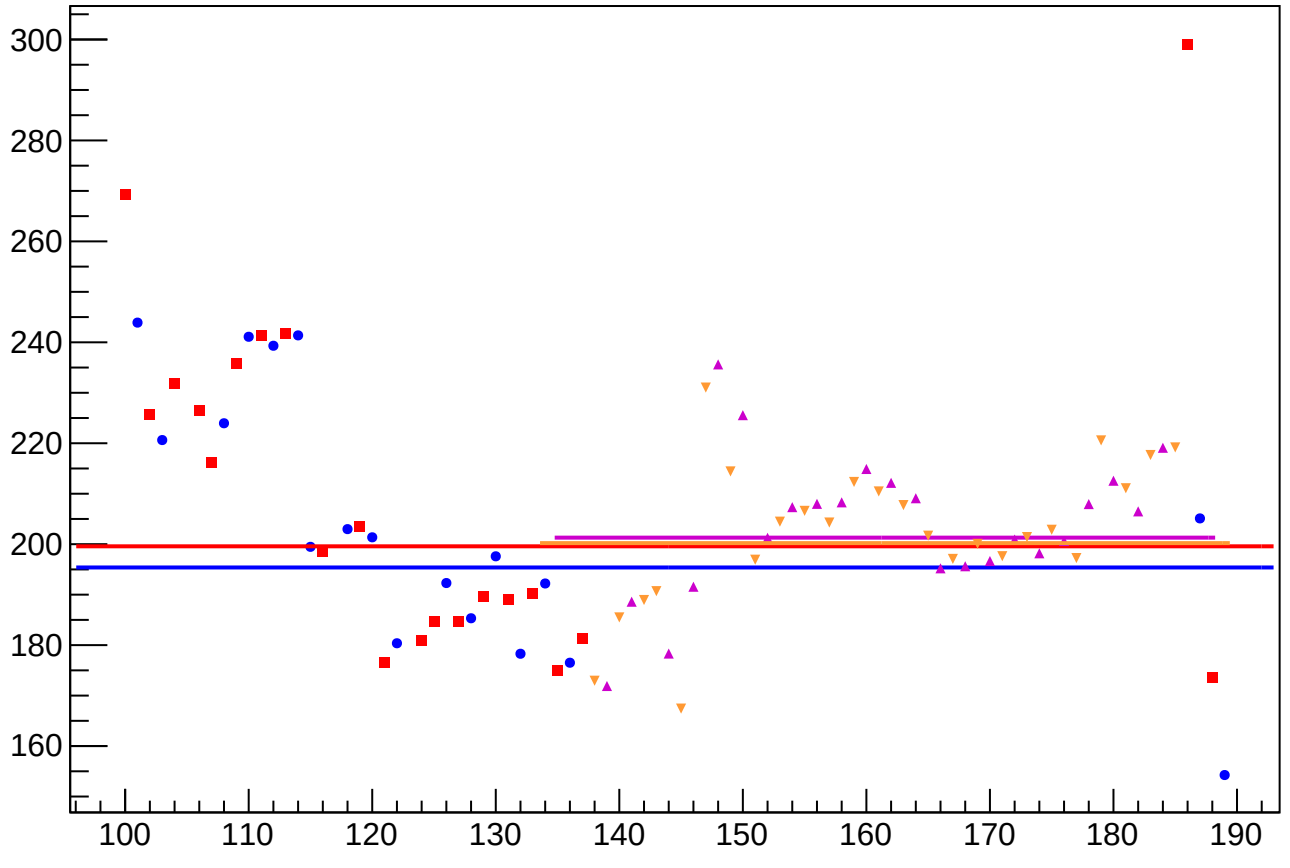
Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

Right: 172.065+/-48.682 χ^2/NDF: 31.8/38

In: -78.788+/-39.086 χ^2/NDF:66.9/40

Out: -164.499+/-37.853 χ^2/NDF:77.0/45

All: -123.017+/-27.192 χ^2/NDF: 146.5/86



Right In: 195.386+/-0.049 χ^2/NDF: 263895.1/17

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 199.579+/-0.048 χ^2/NDF: 333159.5/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

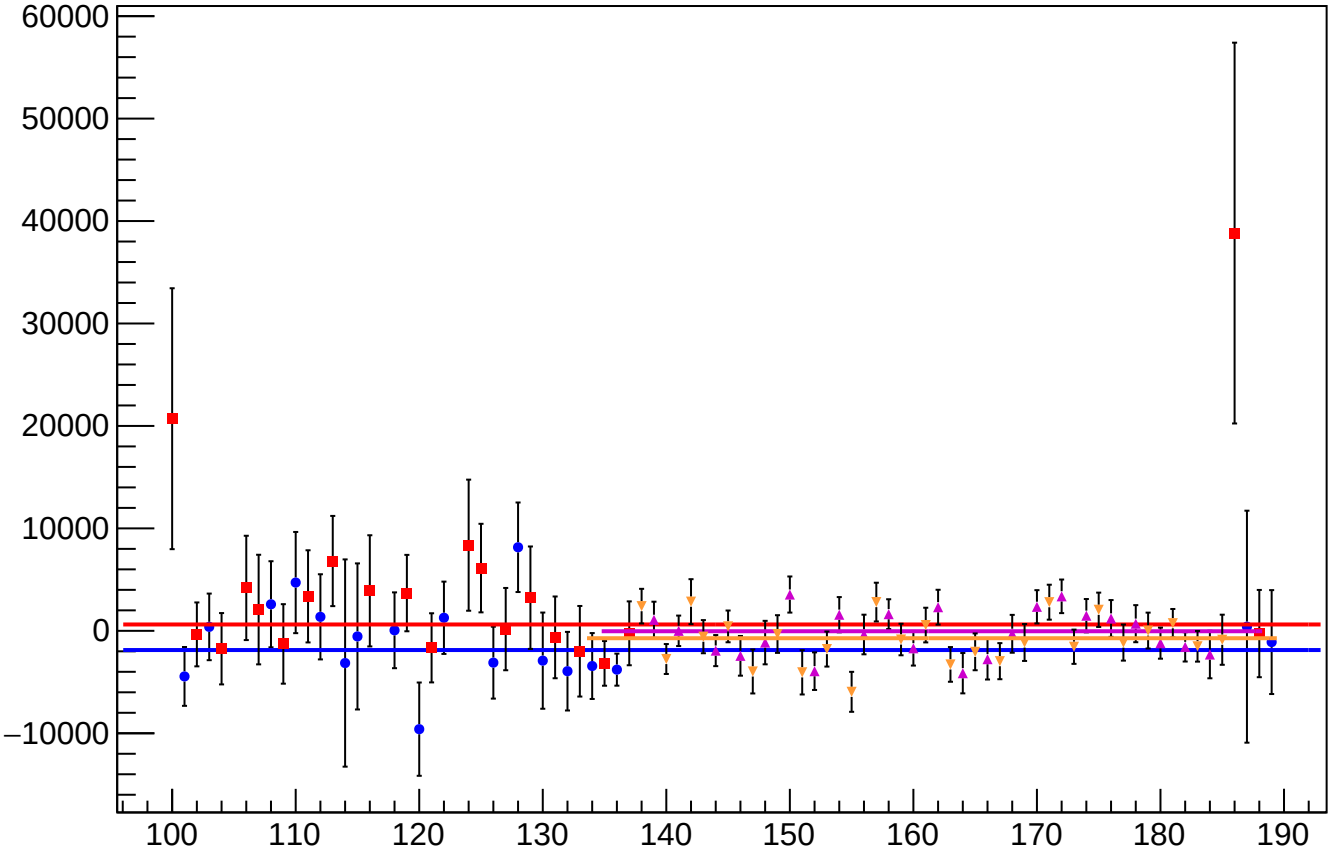
Right: 197.545+/-0.034 χ^2/NDF: 600759.4/38

In: 199.449+/-0.028 χ^2/NDF:455373.0/40

Out: 200.013+/-0.027 χ^2/NDF:537672.7/45

All: 199.740+/-0.019 χ^2/NDF: 993260.8/86

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1874.920+/-844.661 χ^2/NDF: 16.3/17

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 620.917+/-879.987 χ^2/NDF: 18.9/20

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

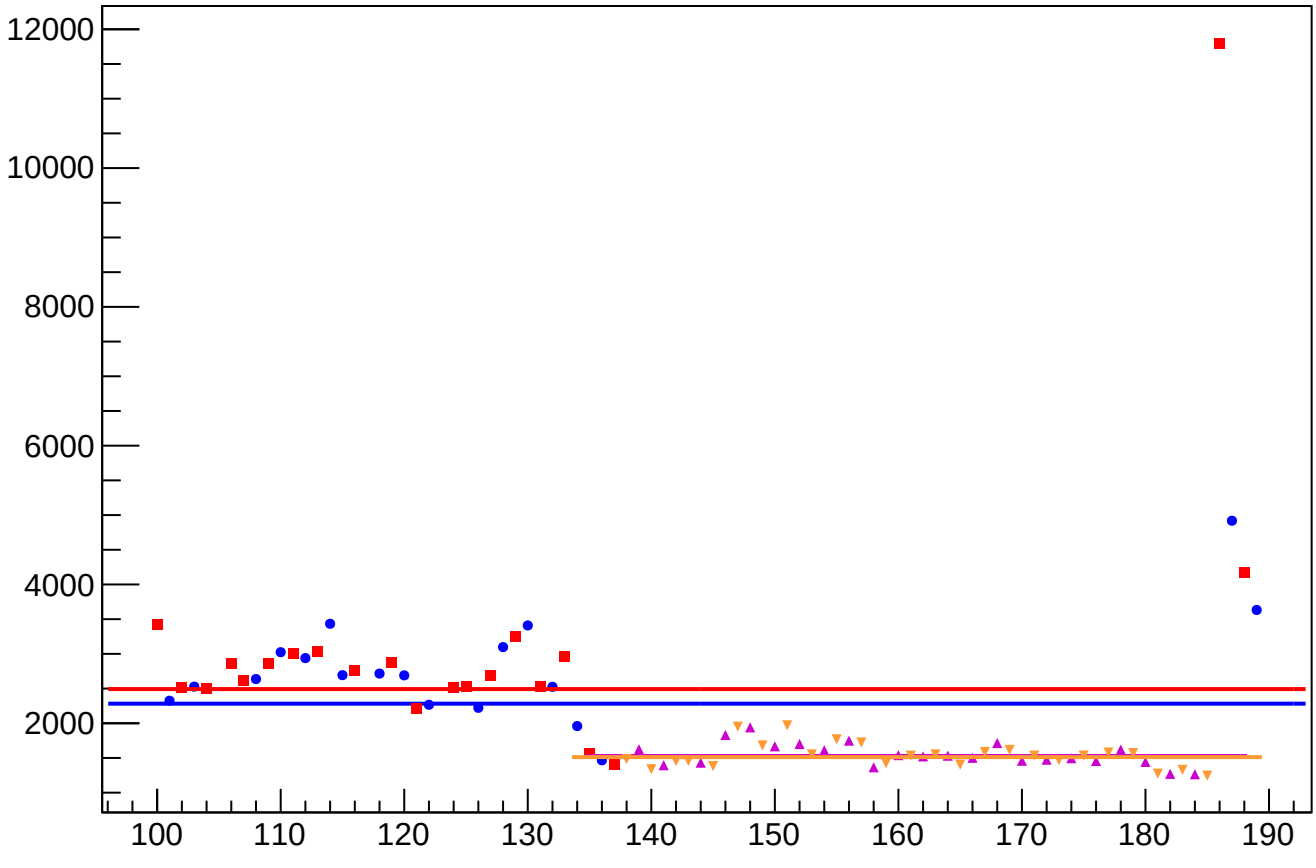
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -678.101+/-609.372 χ^2/NDF: 39.4/38

In: -320.490+/-330.603 χ^2/NDF:54.7/40

Out: -540.724+/-322.307 χ^2/NDF:59.2/45

All: -433.405+/-230.782 χ^2/NDF: 114.2/86



Right In: 2282.346+/-0.597 χ^2/NDF: 1205674.0/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2492.778+/-0.622 χ^2/NDF: 1632670.0/20

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

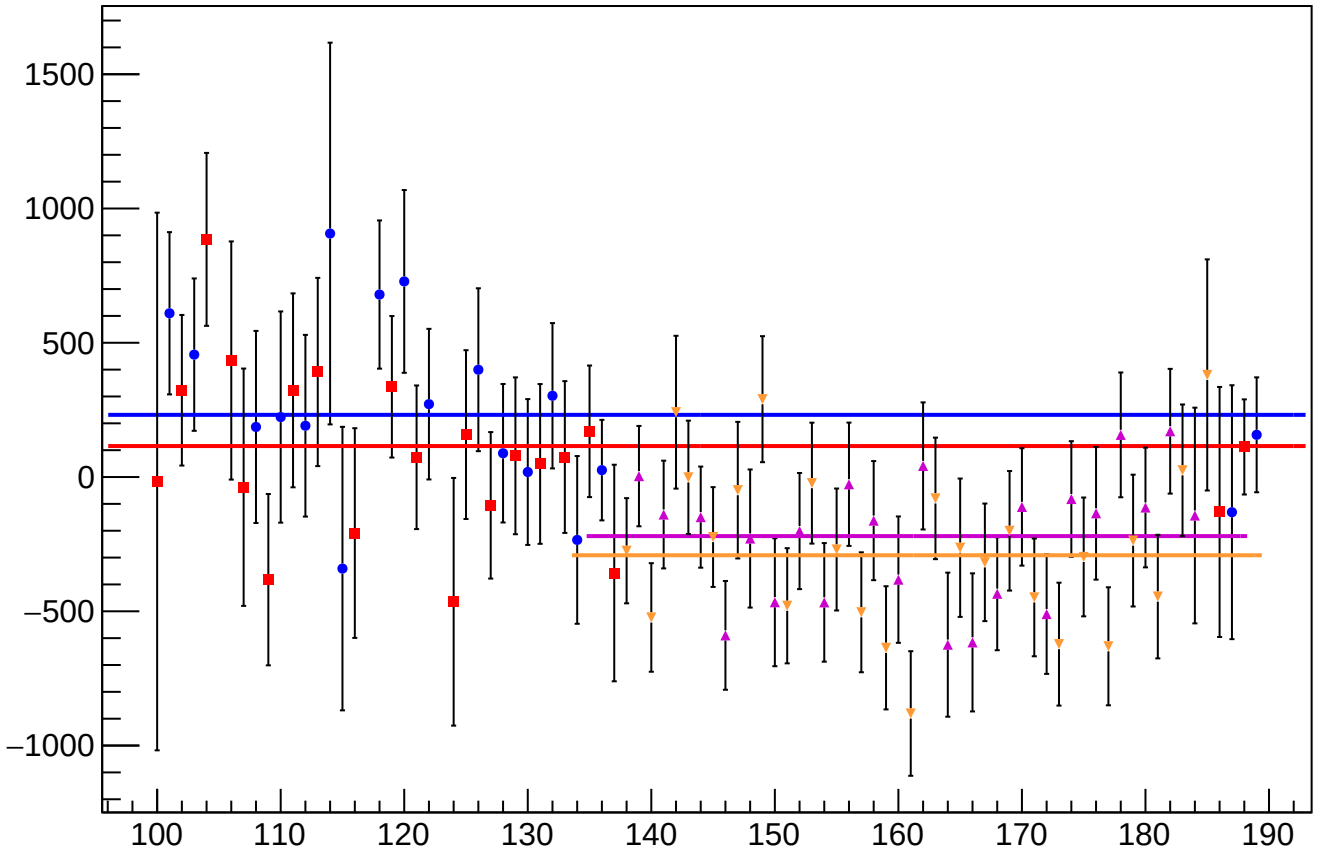
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2383.254+/-0.431 χ^2/NDF: 2897868.9/38

In: 1643.532+/-0.234 χ^2/NDF:2930440.8/40

Out: 1643.886+/-0.228 χ^2/NDF:4224738.9/45

All: 1643.714+/-0.163 χ^2/NDF: 7155180.8/86



Right In: 231.569+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 115.364+/-67.849 χ^2/NDF: 15.8/20

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

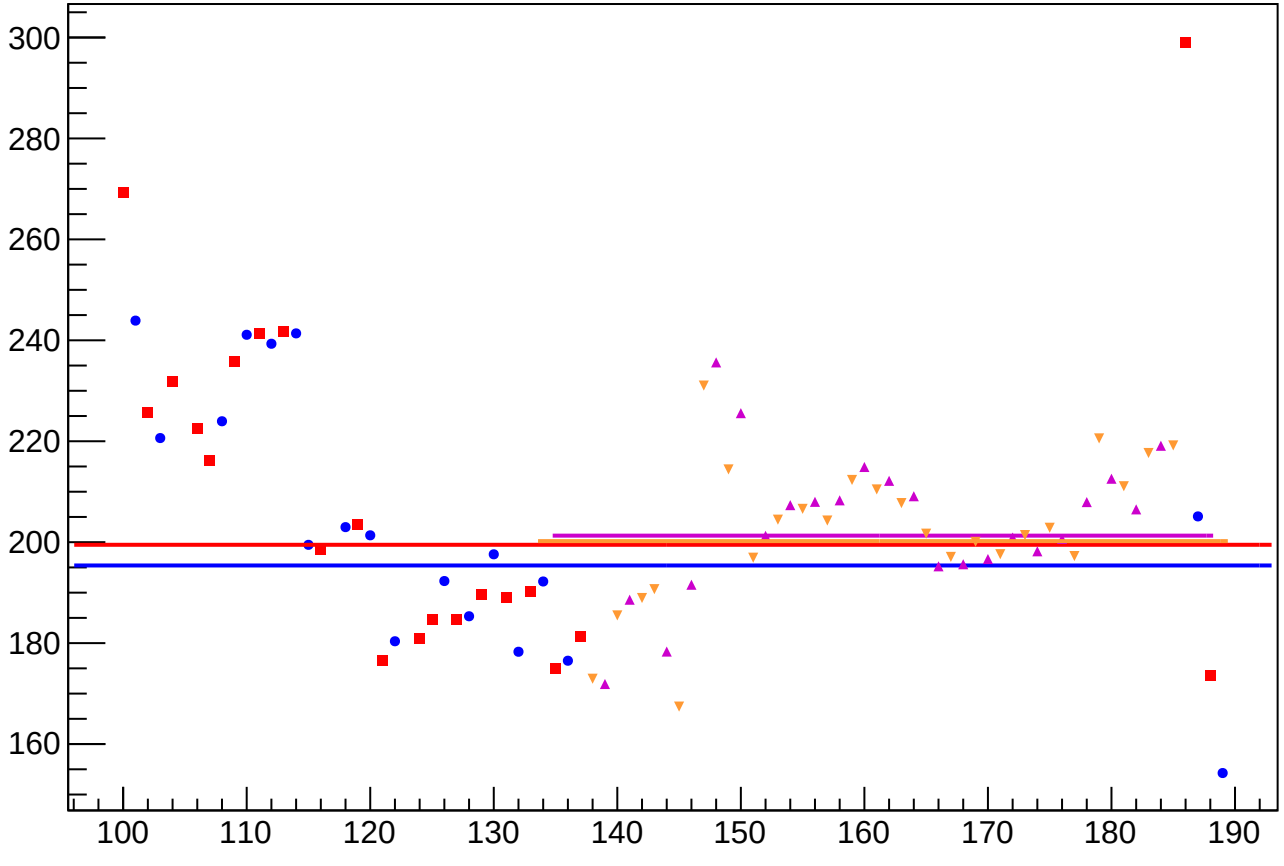
Right: 171.737+/-48.685 χ^2/NDF: 31.7/38

In: -78.793+/-39.086 χ^2/NDF:66.9/40

Out: -164.725+/-37.855 χ^2/NDF:76.9/45

All: -123.134+/-27.192 χ^2/NDF: 146.3/86

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 195.386+/-0.049 χ^2/NDF: 263895.5/17

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 199.484+/-0.048 χ^2/NDF: 331178.3/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

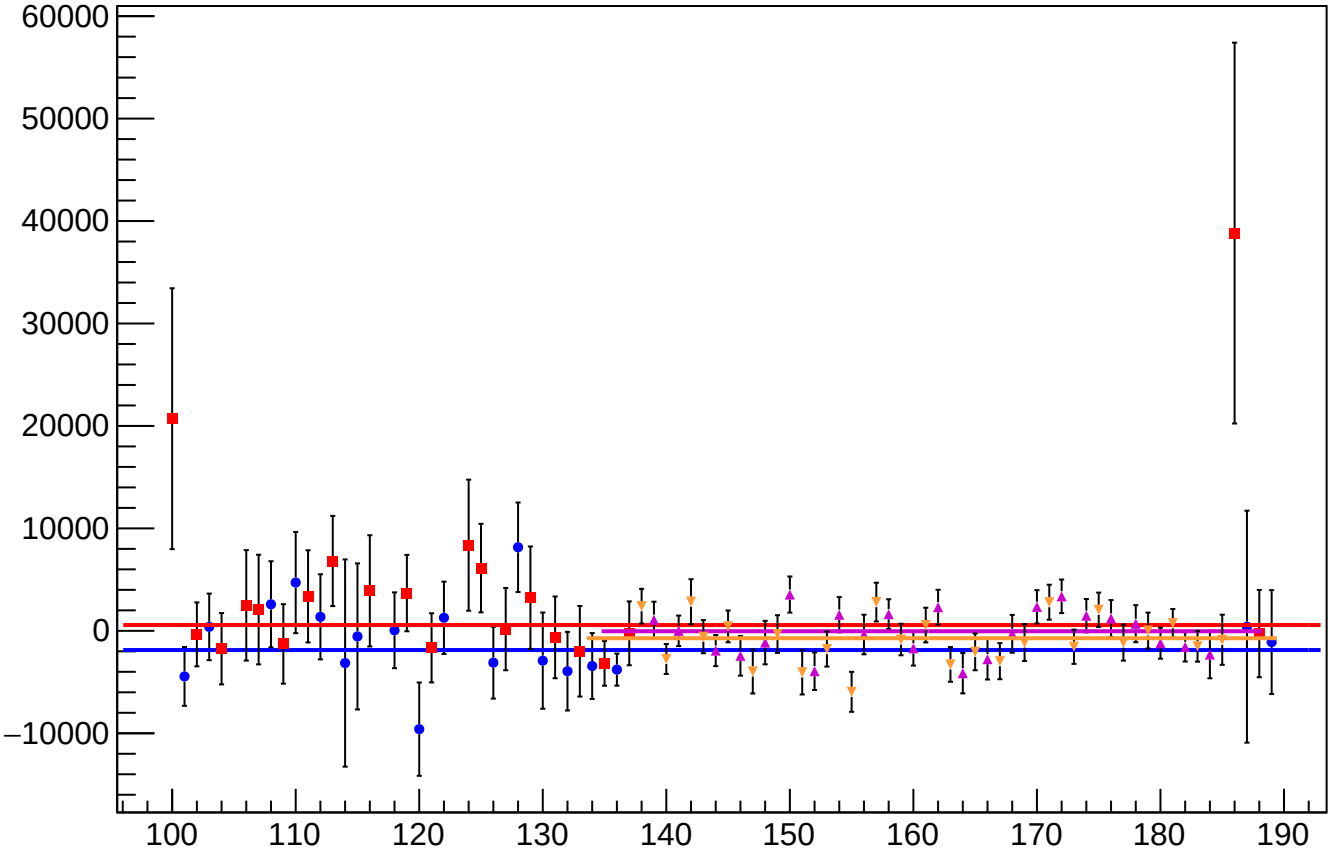
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 197.496+/-0.034 χ^2/NDF: 598613.3/38

In: 199.449+/-0.028 χ^2/NDF:455373.3/40

Out: 199.984+/-0.027 χ^2/NDF:535729.8/45

All: 199.725+/-0.019 χ^2/NDF: 991296.4/86



Right In: -1874.883+/-844.663 χ^2/NDF: 16.3/17

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 564.104+/-881.445 χ^2/NDF: 18.5/20

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

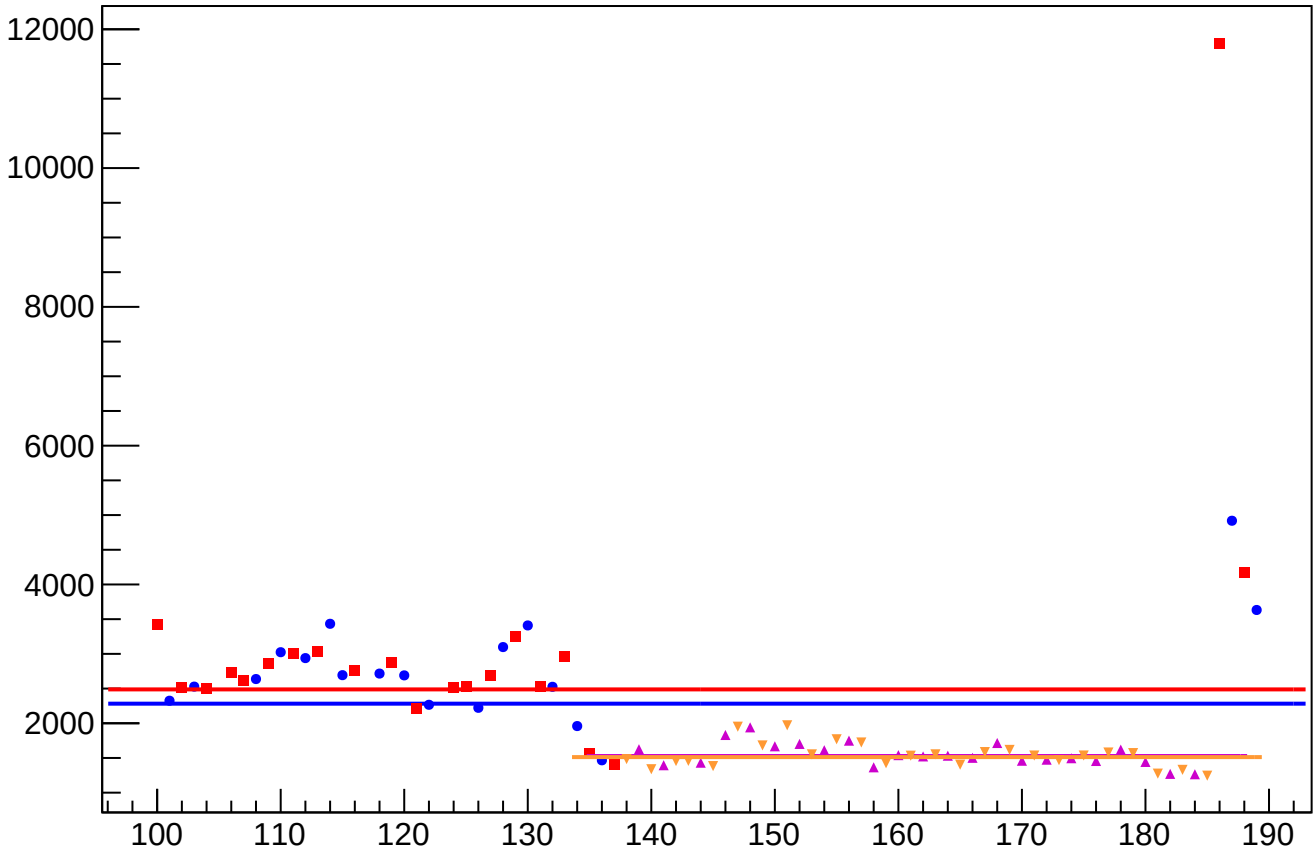
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -707.339+/-609.856 χ^2/NDF: 38.8/38

In: -320.482+/-330.603 χ^2/NDF:54.7/40

Out: -548.843+/-322.378 χ^2/NDF:58.6/45

All: -437.538+/-230.809 χ^2/NDF: 113.6/86



Right In: 2282.350+/-0.597 χ^2/NDF: 1205677.3/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2487.991+/-0.623 χ^2/NDF: 1625706.2/20

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

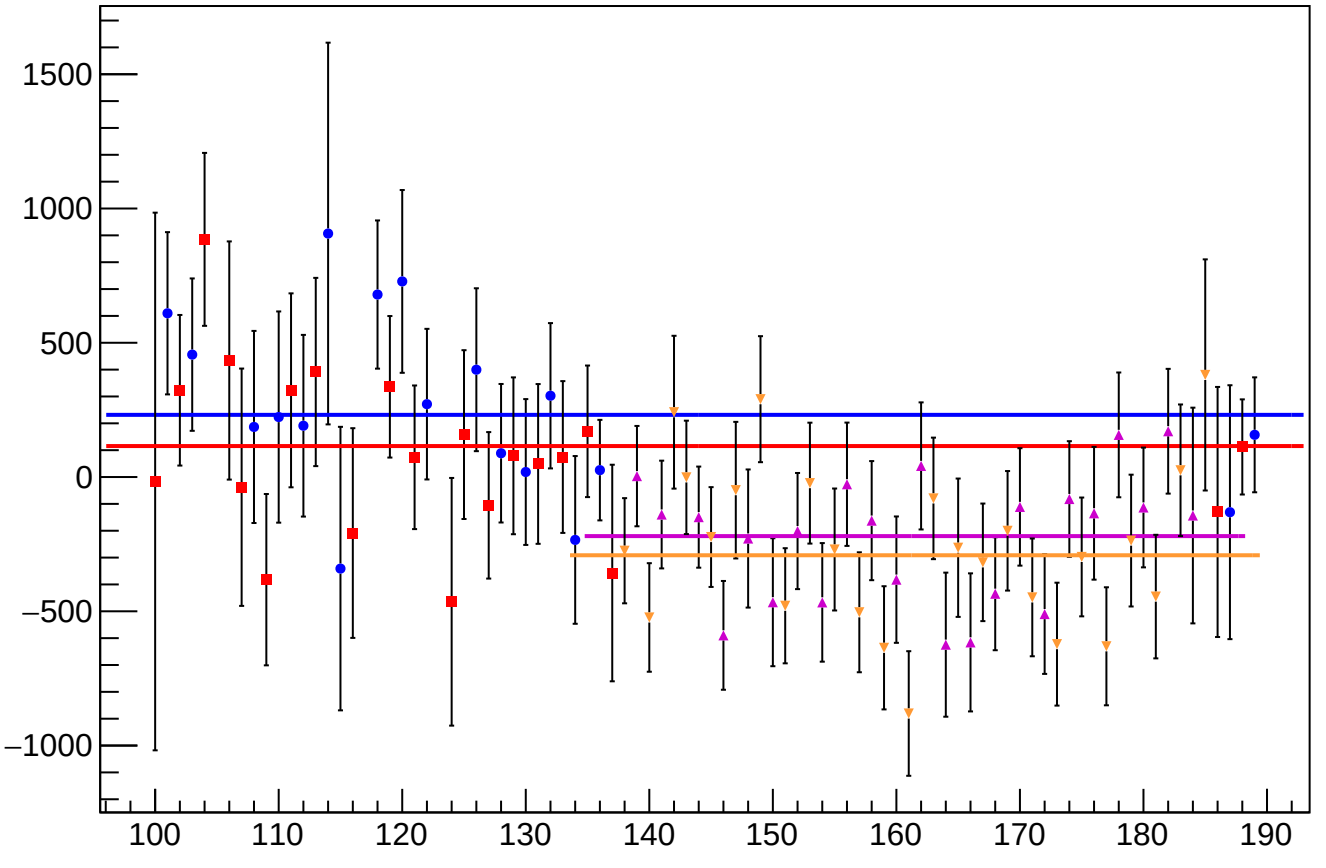
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2380.790+/-0.431 χ^2/NDF: 2888130.9/38

In: 1643.533+/-0.234 χ^2/NDF:2930453.5/40

Out: 1642.869+/-0.228 χ^2/NDF:4190740.0/45

All: 1643.192+/-0.163 χ^2/NDF: 7121197.7/86



Right In: 231.569+/-69.899 χ^2/NDF: 14.5/17

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 115.364+/-67.849 χ^2/NDF: 15.8/20

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

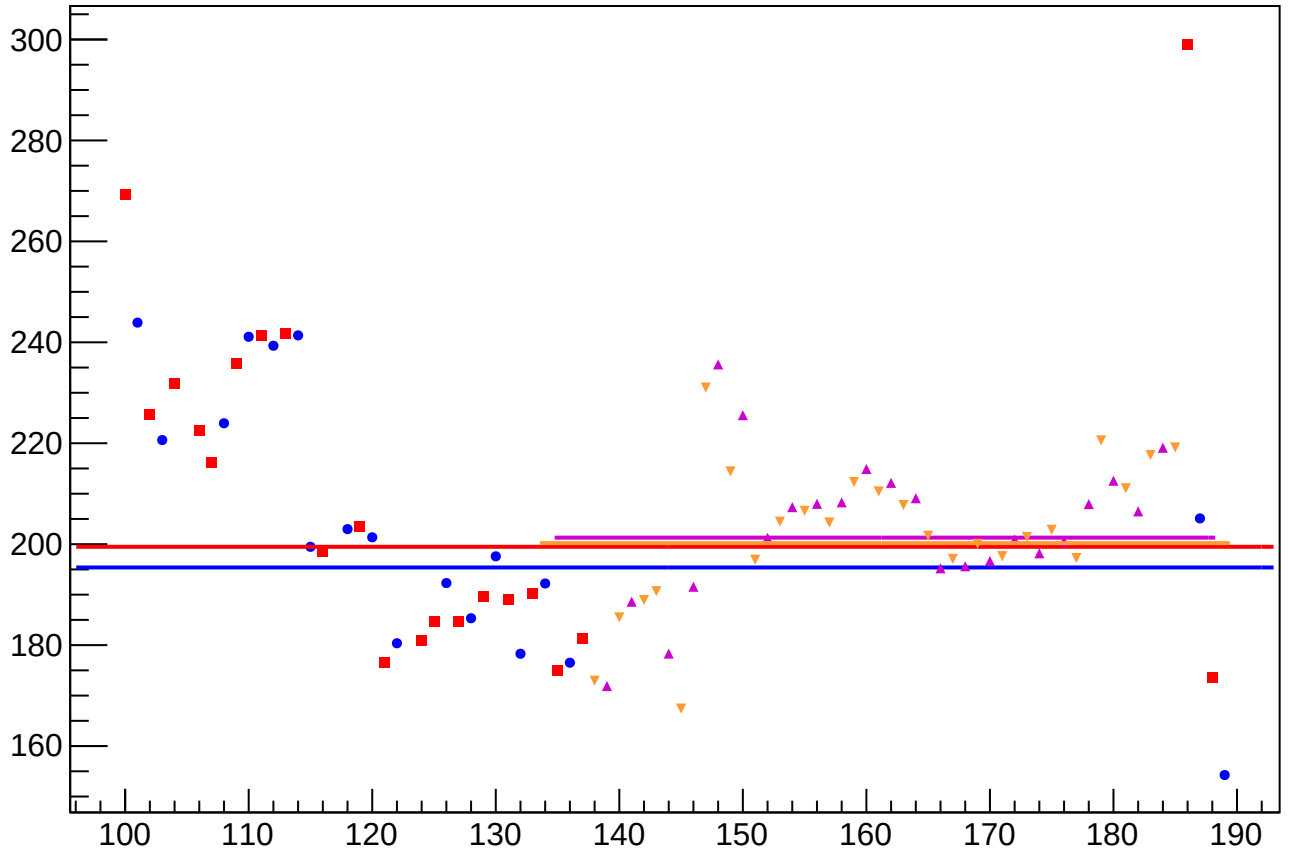
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 171.737+/-48.685 χ^2/NDF: 31.7/38

In: -78.793+/-39.086 χ^2/NDF:66.9/40

Out: -164.725+/-37.855 χ^2/NDF:76.9/45

All: -123.134+/-27.192 χ^2/NDF: 146.3/86



Right In: 195.386+/-0.049 χ^2/NDF: 263895.5/17

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 199.484+/-0.048 χ^2/NDF: 331178.3/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

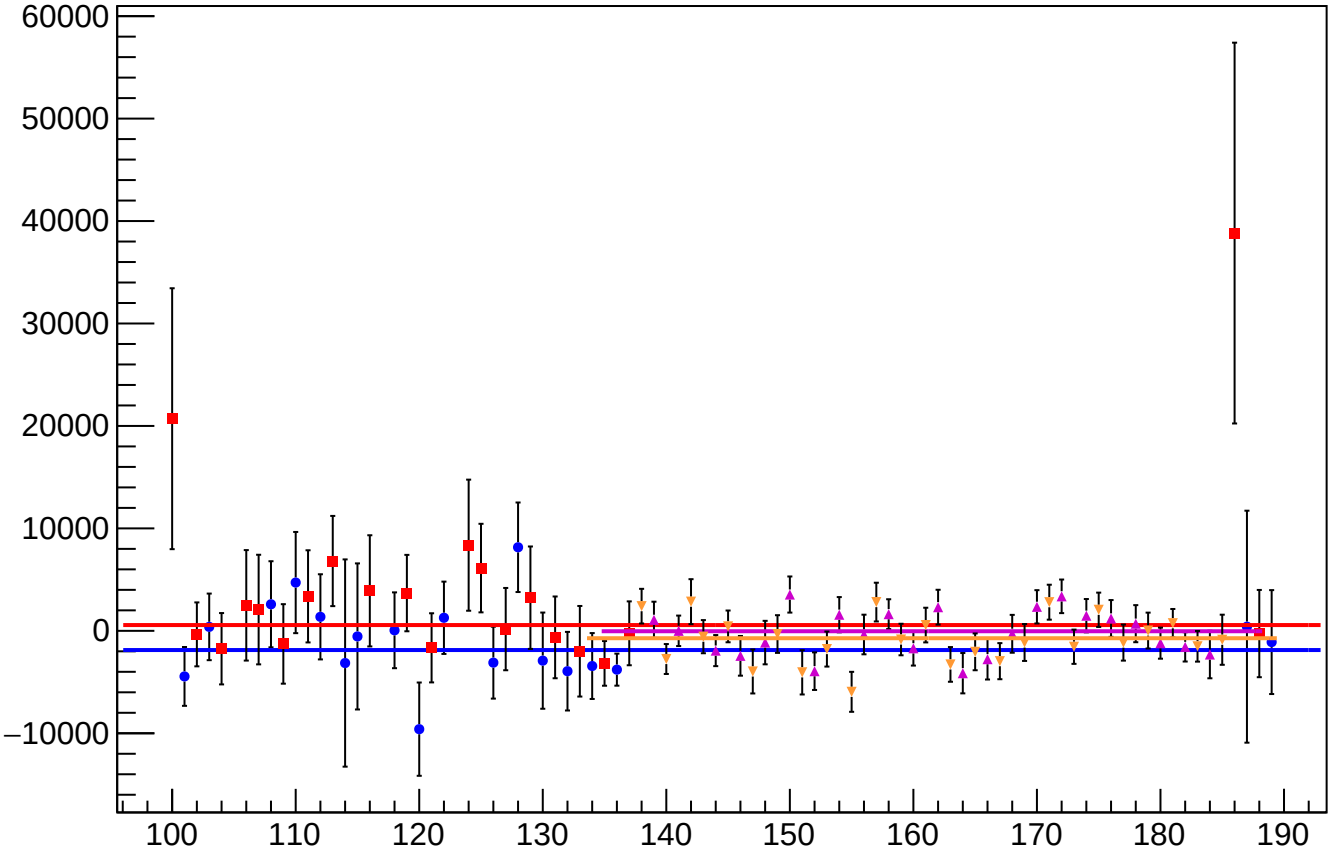
Right: 197.496+/-0.034 χ^2/NDF: 598613.3/38

In: 199.449+/-0.028 χ^2/NDF:455373.3/40

Out: 199.984+/-0.027 χ^2/NDF:535729.8/45

All: 199.725+/-0.019 χ^2/NDF: 991296.4/86

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1874.883+/-844.663 χ^2/NDF: 16.3/17

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 564.104+/-881.445 χ^2/NDF: 18.5/20

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

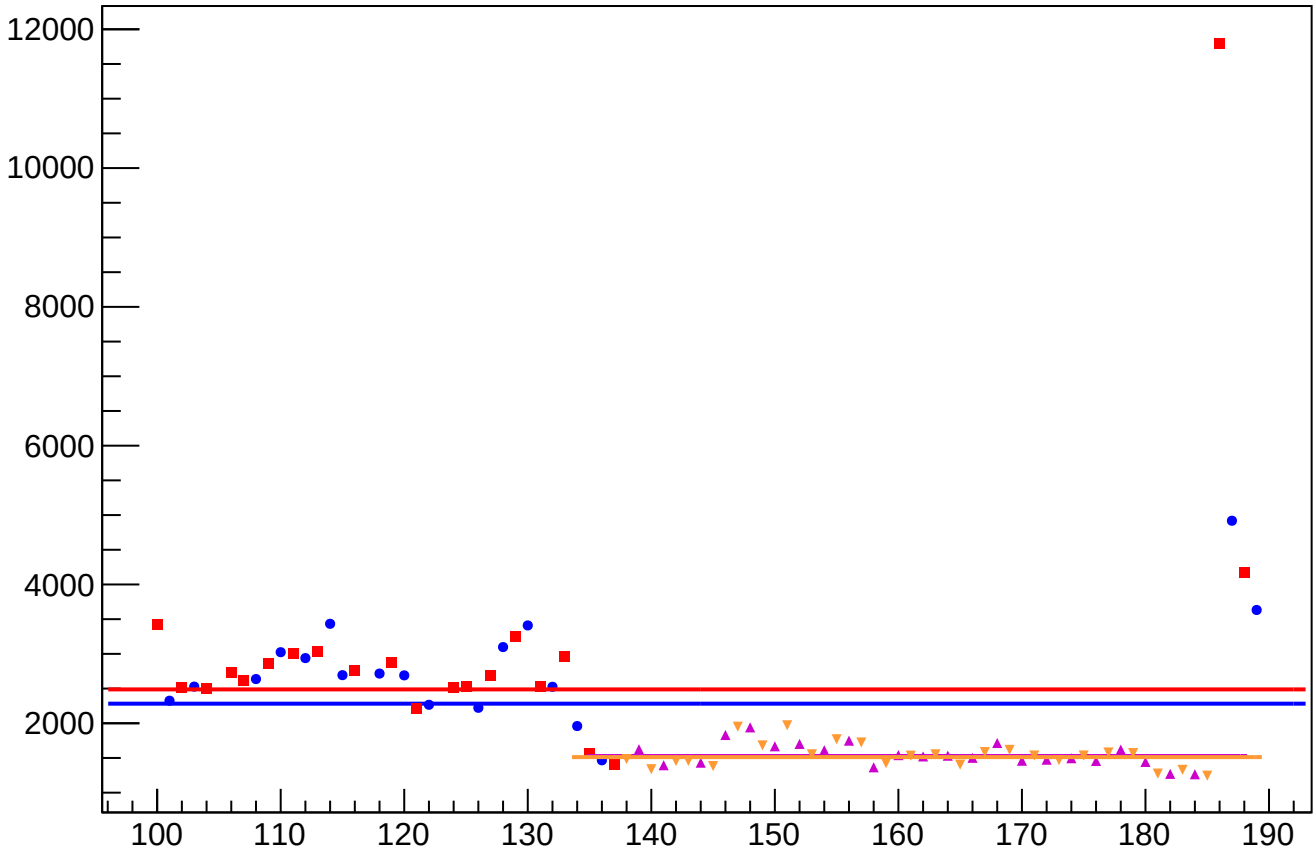
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -707.339+/-609.856 χ^2/NDF: 38.8/38

In: -320.482+/-330.603 χ^2/NDF:54.7/40

Out: -548.843+/-322.378 χ^2/NDF:58.6/45

All: -437.538+/-230.809 χ^2/NDF: 113.6/86



Right In: 2282.350+/-0.597 χ^2/NDF: 1205677.3/17

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2487.991+/-0.623 χ^2/NDF: 1625706.2/20

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

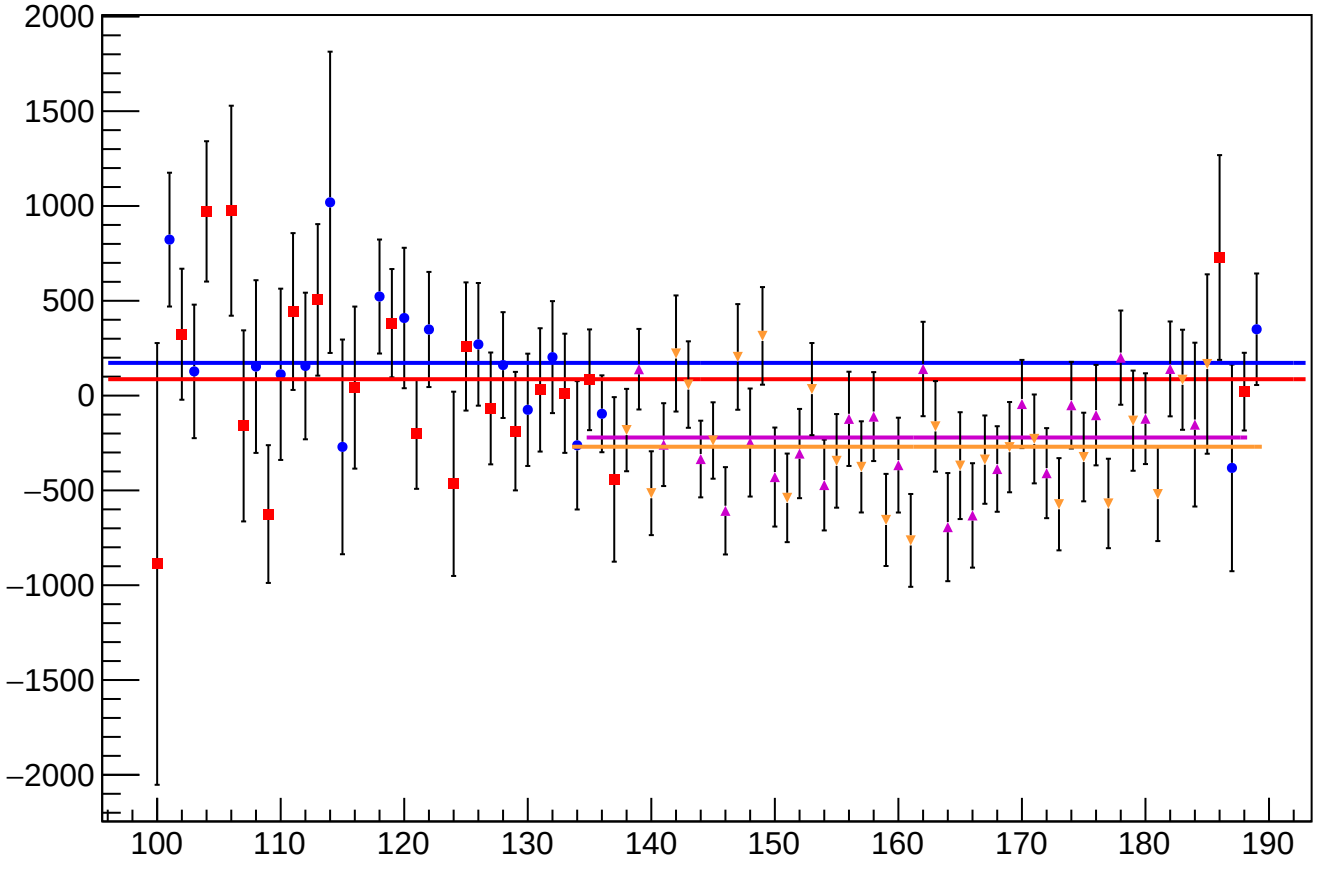
Right: 2380.790+/-0.431 χ^2/NDF: 2888130.9/38

In: 1643.533+/-0.234 χ^2/NDF:2930453.5/40

Out: 1642.869+/-0.228 χ^2/NDF:4190740.0/45

All: 1643.192+/-0.163 χ^2/NDF: 7121197.7/86

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 172.533+/-79.135 χ^2/NDF: 12.9/17

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 86.500+/-75.808 χ^2/NDF: 23.1/20

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

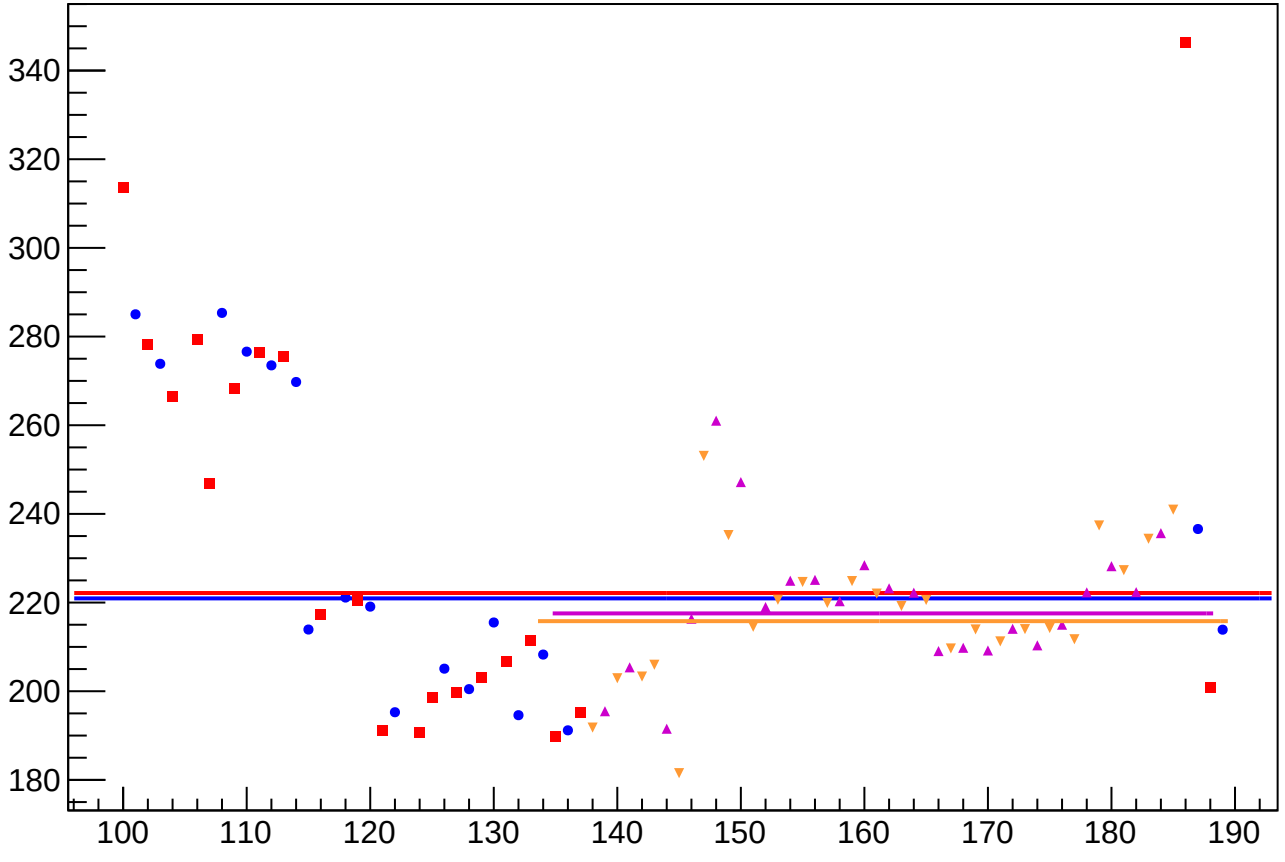
Right: 127.670+/-54.743 χ^2/NDF: 36.6/38

In: -105.606+/-42.842 χ^2/NDF:53.7/40

Out: -164.244+/-41.245 χ^2/NDF:70.2/45

All: -136.039+/-29.713 χ^2/NDF: 124.9/86

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 220.940+/-0.056 χ^2/NDF: 321515.2/17

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.153+/-0.054 χ^2/NDF: 454431.5/20

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

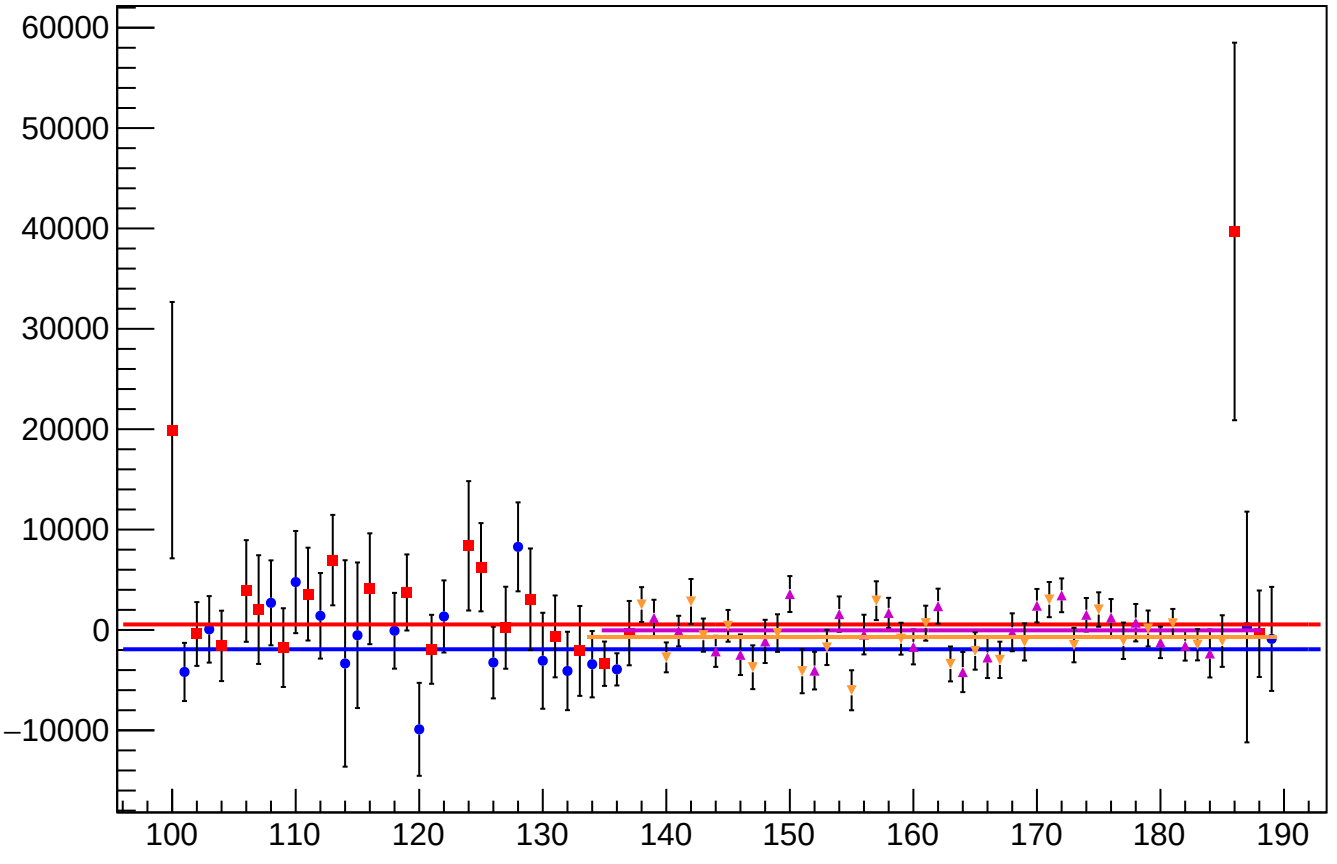
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.573+/-0.039 χ^2/NDF: 776191.8/38

In: 218.547+/-0.030 χ^2/NDF:485168.8/40

Out: 217.685+/-0.029 χ^2/NDF:652998.7/45

All: 218.100+/-0.021 χ^2/NDF: 1138587.4/86



Right In: -1924.953+/-861.897 χ^2/NDF: 16.2/17

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 548.092+/-893.807 χ^2/NDF: 19.1/20

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

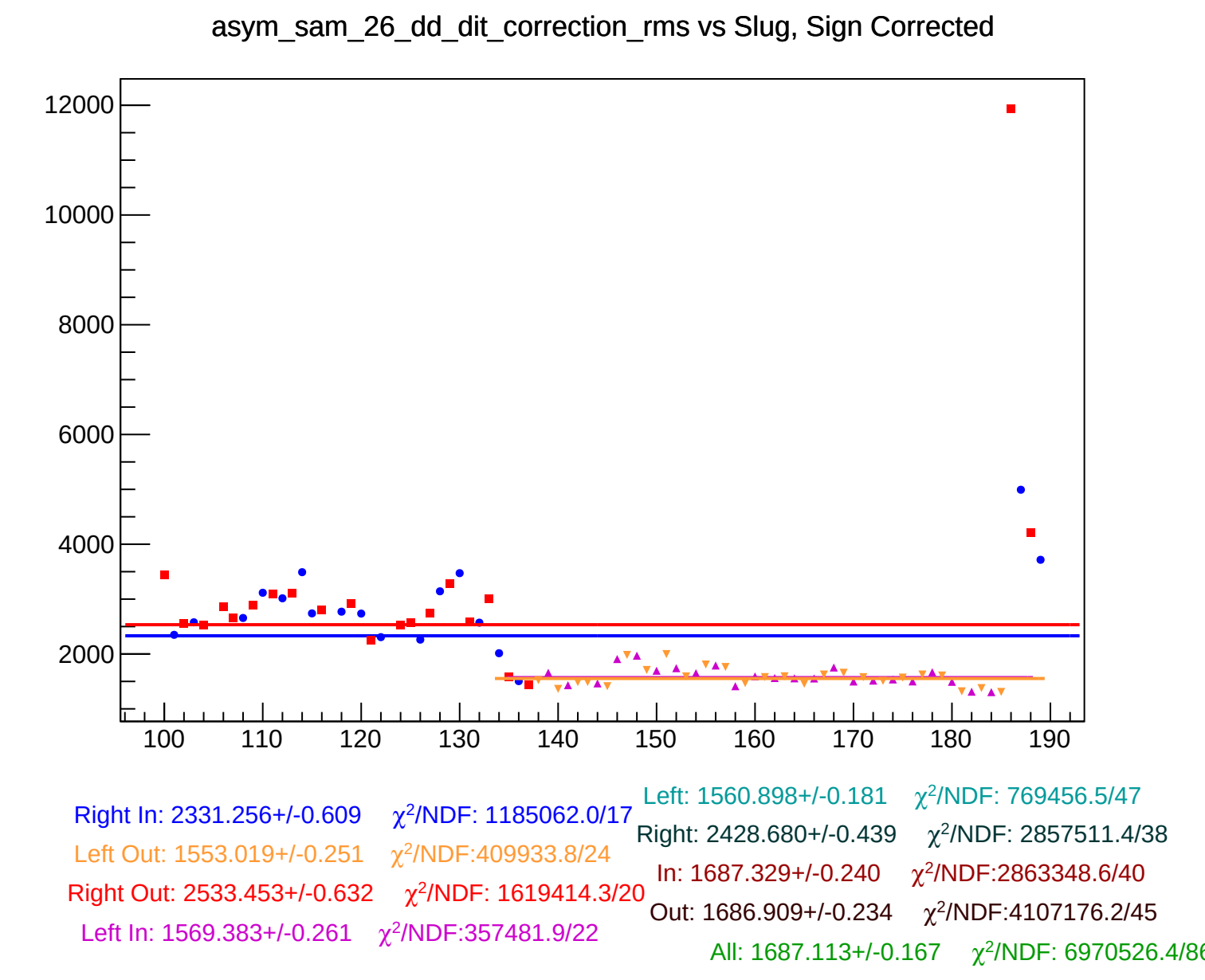
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

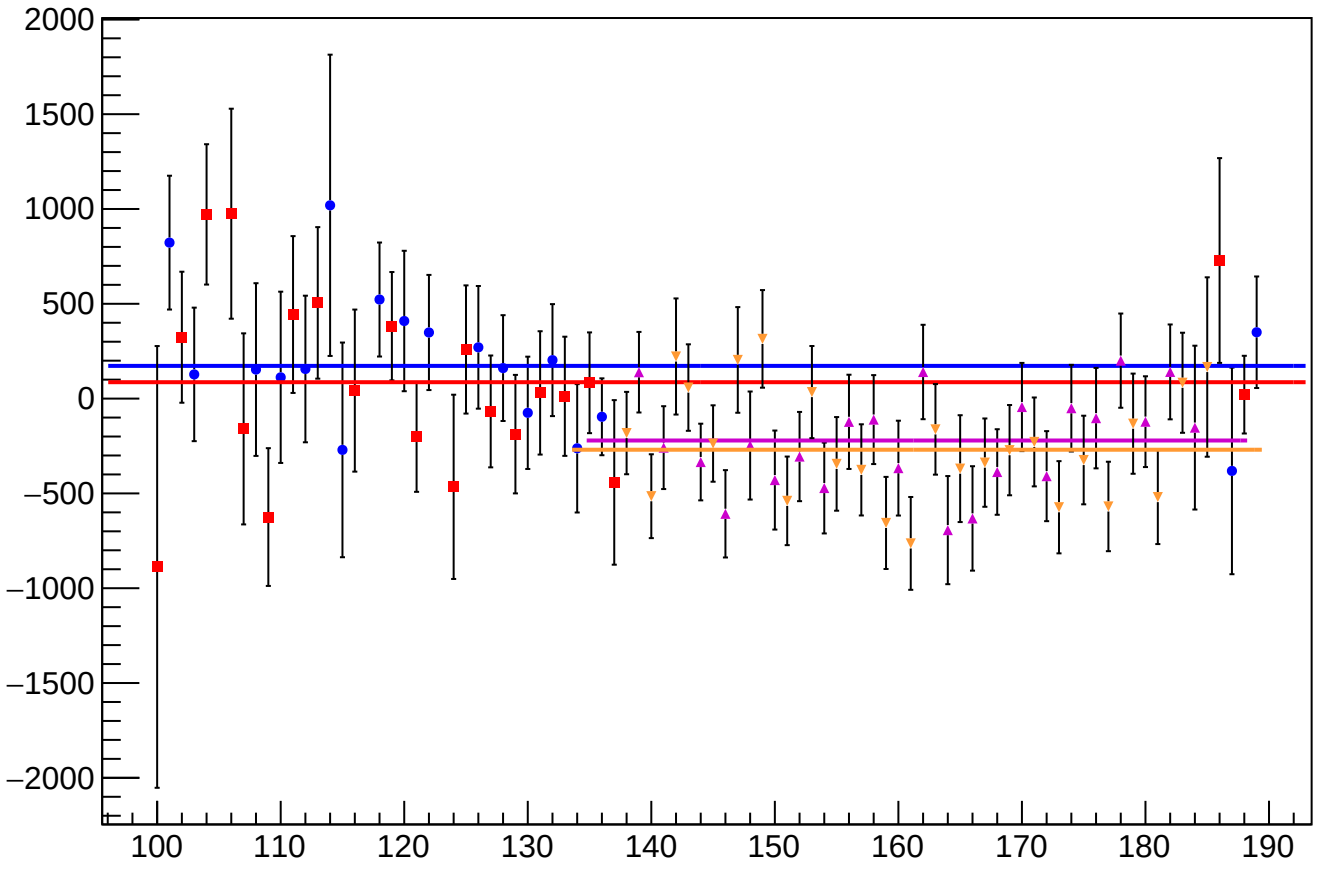
Right: -733.364+/-620.428 χ^2/NDF: 39.3/38

In: -331.520+/-339.121 χ^2/NDF:54.6/40

Out: -533.022+/-330.300 χ^2/NDF:58.5/45

All: -434.926+/-236.614 χ^2/NDF: 113.2/86


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2331.256+/-0.609 χ²/NDF: 1185062.0/17
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2533.453+/-0.632 χ²/NDF: 1619414.3/20
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2428.680+/-0.439 χ²/NDF: 2857511.4/38
In: 1687.329+/-0.240 χ²/NDF:2863348.6/40
Out: 1686.909+/-0.234 χ²/NDF:4107176.2/45
All: 1687.113+/-0.167 χ²/NDF: 6970526.4/86



Right In: 172.535+/-79.135 χ^2/NDF: 12.9/17

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 86.499+/-75.808 χ^2/NDF: 23.1/20

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

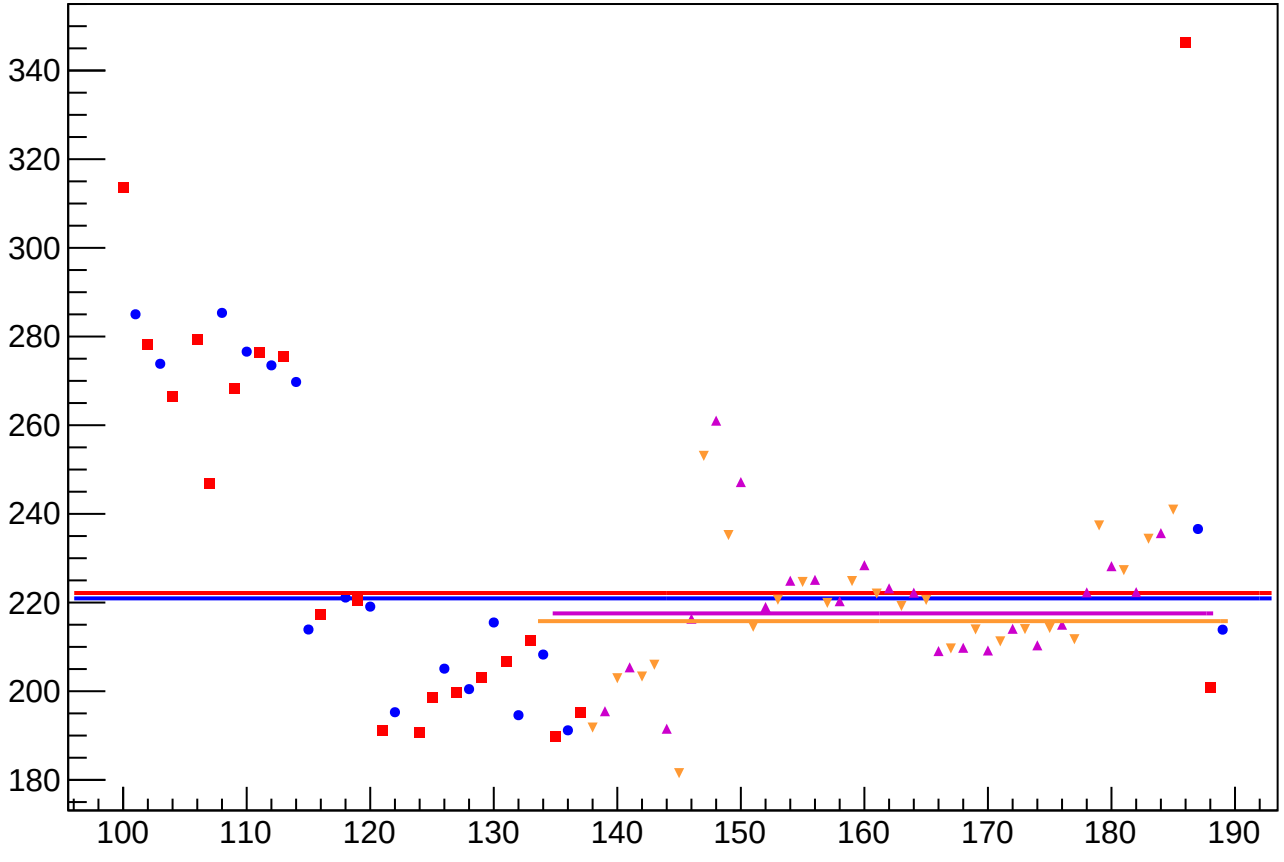
Right: 127.670+/-54.743 χ^2/NDF: 36.6/38

In: -105.605+/-42.842 χ^2/NDF:53.7/40

Out: -164.245+/-41.245 χ^2/NDF:70.2/45

All: -136.039+/-29.713 χ^2/NDF: 124.9/86

eigen_dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 220.939+/-0.056 χ^2/NDF: 321509.8/17

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.152+/-0.054 χ^2/NDF: 454416.2/20

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

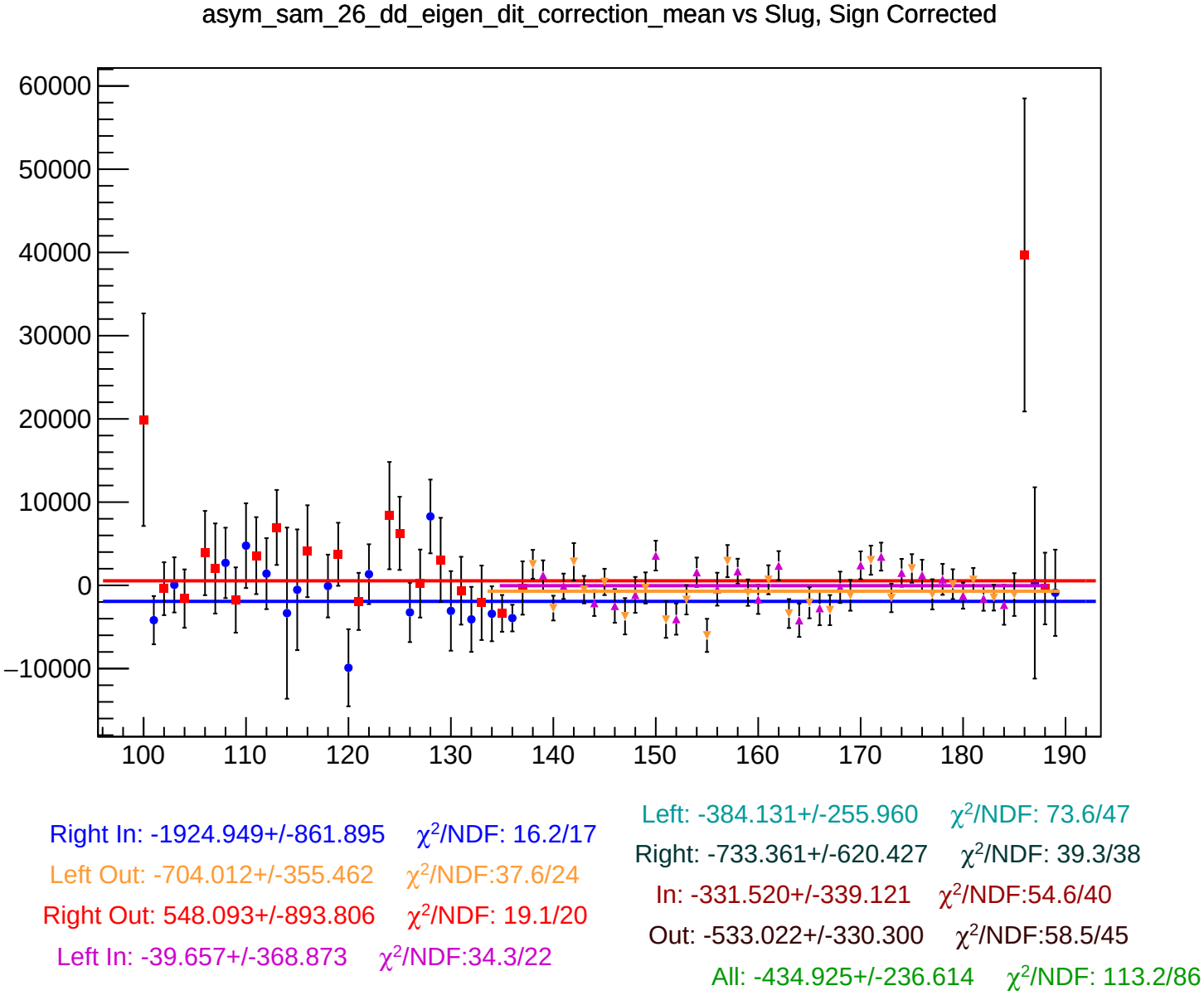
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

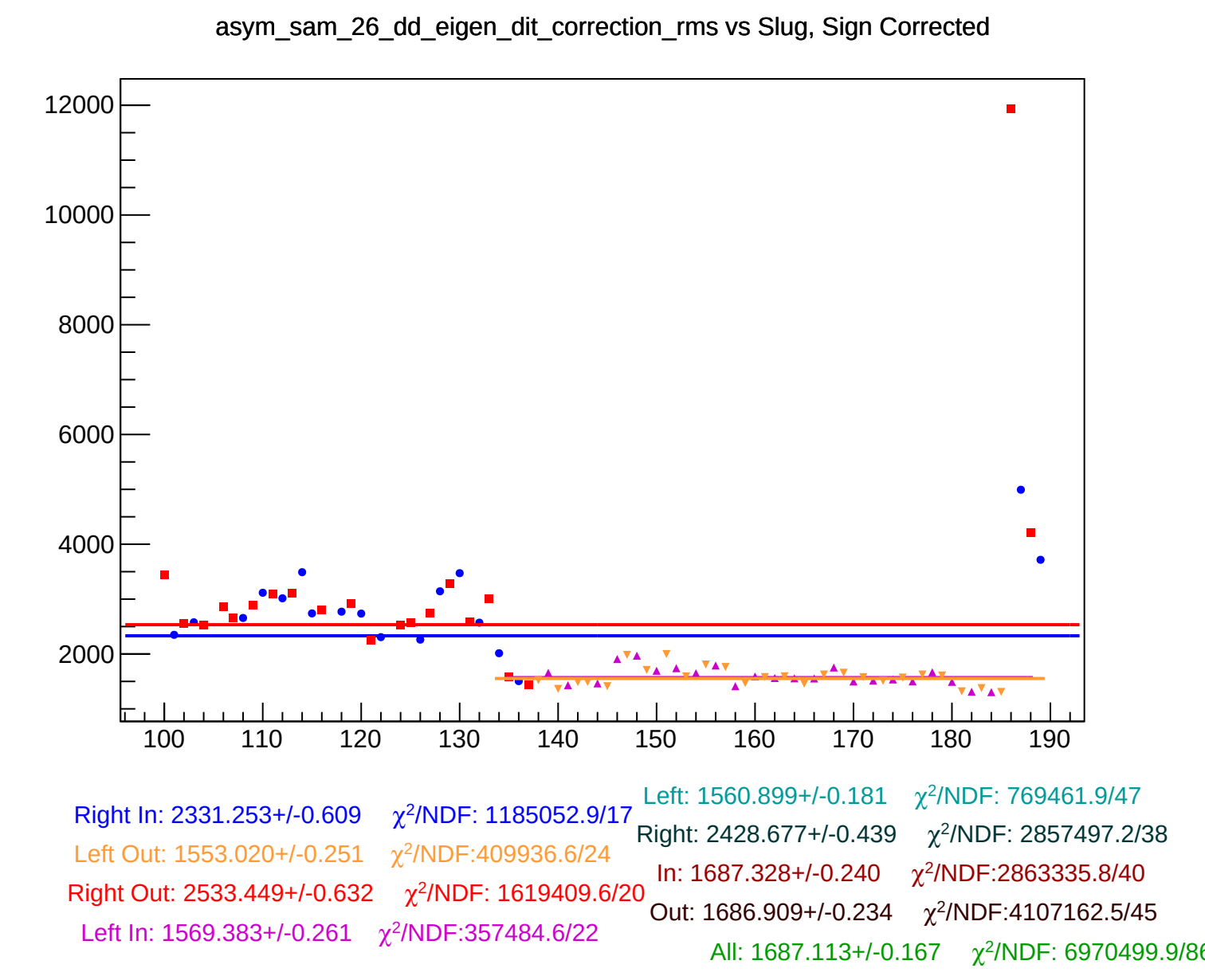
Right: 221.572+/-0.039 χ^2/NDF: 776171.2/38

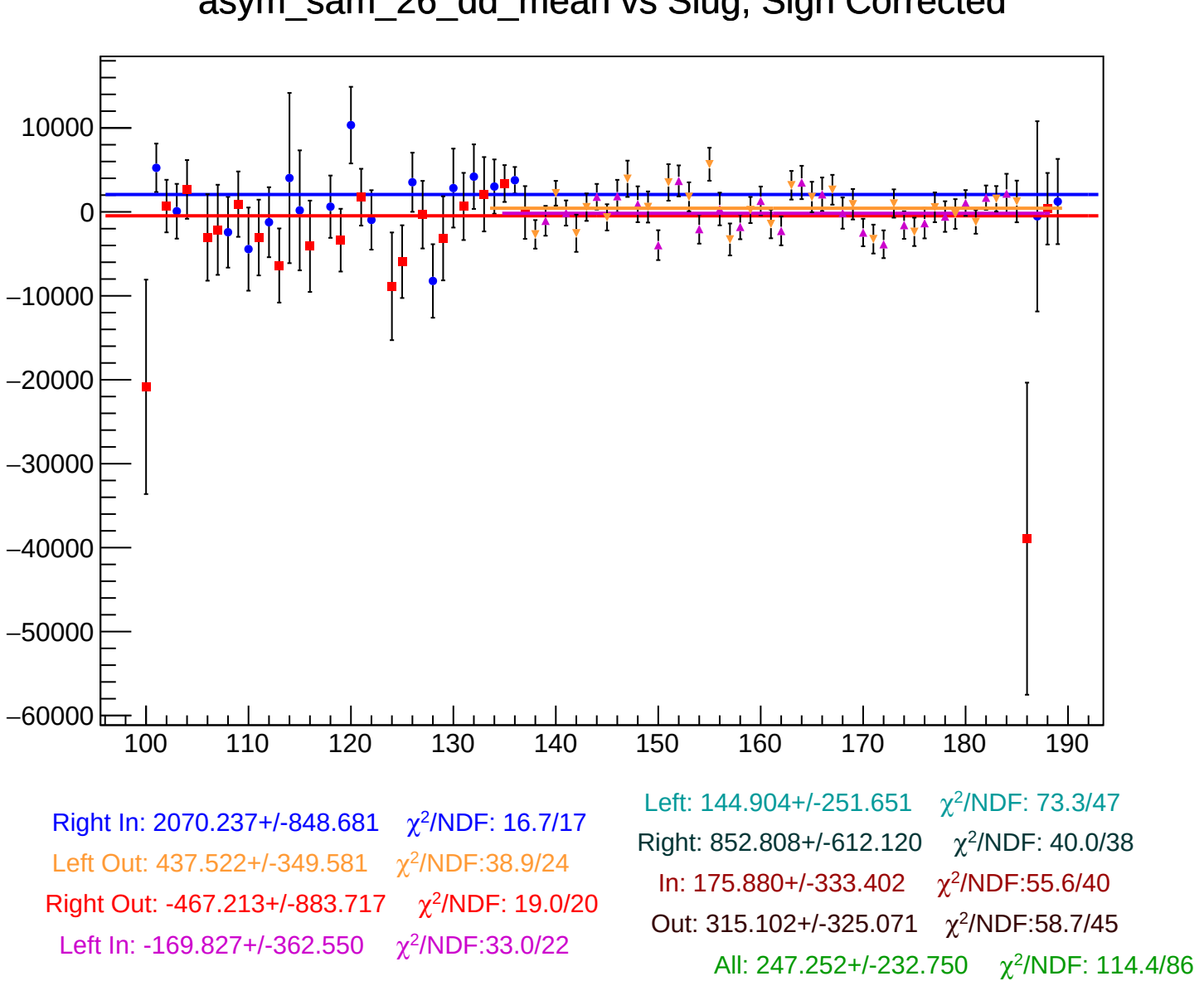
In: 218.546+/-0.030 χ^2/NDF:485164.6/40

Out: 217.685+/-0.029 χ^2/NDF:652985.3/45

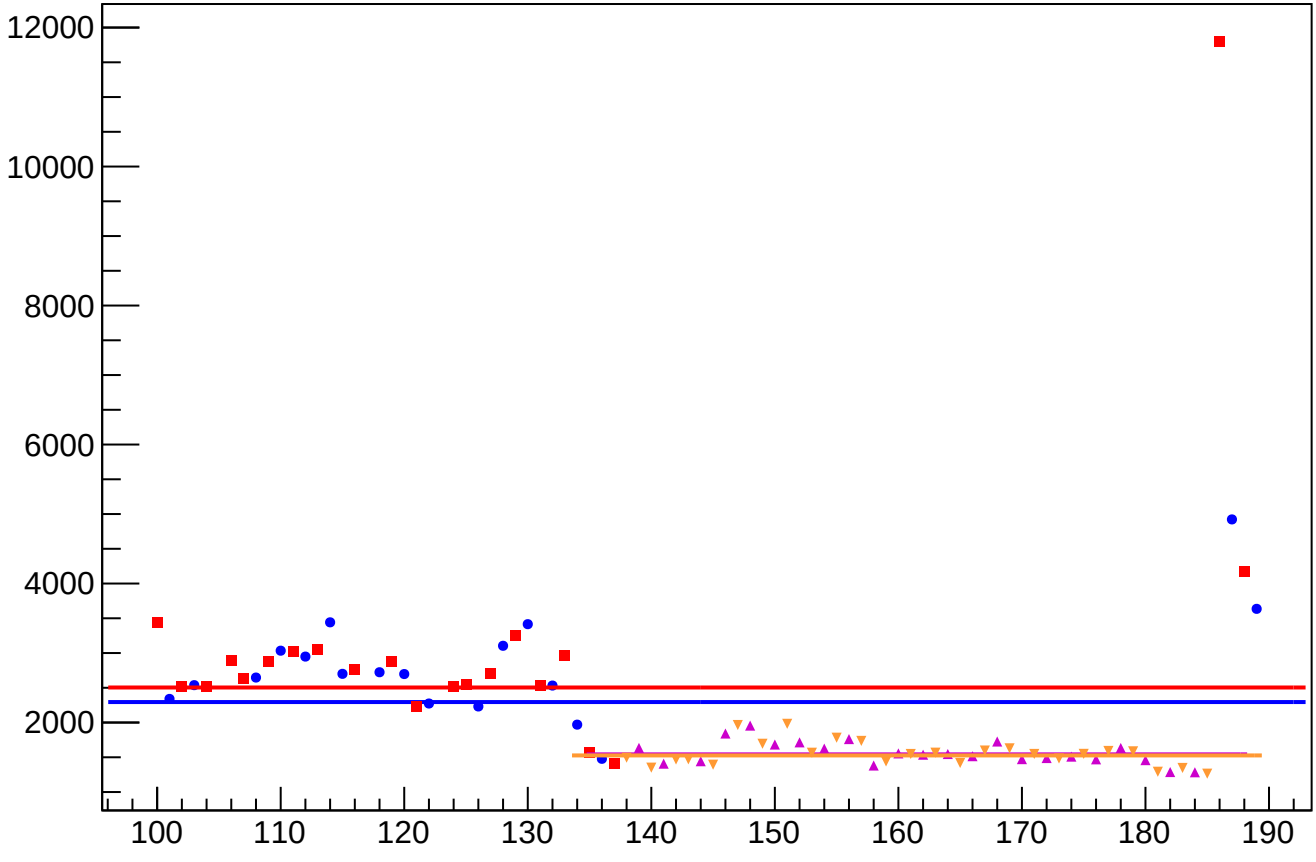
All: 218.099+/-0.021 χ^2/NDF: 1138569.7/86


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1924.949+/-861.895 χ²/NDF: 16.2/17
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 548.093+/-893.806 χ²/NDF: 19.1/20
Left In: -39.657+/-368.873 χ²/NDF:34.3/22
Left: -384.131+/-255.960 χ²/NDF: 73.6/47
Right: -733.361+/-620.427 χ²/NDF: 39.3/38
In: -331.520+/-339.121 χ²/NDF:54.6/40
Out: -533.022+/-330.300 χ²/NDF:58.5/45
All: -434.925+/-236.614 χ²/NDF: 113.2/86


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2331.253+/-0.609 χ²/NDF: 1185052.9/17
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2533.449+/-0.632 χ²/NDF: 1619409.6/20
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
Left: 1560.899+/-0.181 χ²/NDF: 769461.9/47
Right: 2428.677+/-0.439 χ²/NDF: 2857497.2/38
In: 1687.328+/-0.240 χ²/NDF:2863335.8/40
Out: 1686.909+/-0.234 χ²/NDF:4107162.5/45
All: 1687.113+/-0.167 χ²/NDF: 6970499.9/86


asym_sam_26_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: 2070.237+/-848.681 χ²/NDF: 16.7/17
Left Out: 437.522+/-349.581 χ²/NDF:38.9/24
Right Out: -467.213+/-883.717 χ²/NDF: 19.0/20
Left In: -169.827+/-362.550 χ²/NDF:33.0/22
Left: 144.904+/-251.651 χ²/NDF: 73.3/47
Right: 852.808+/-612.120 χ²/NDF: 40.0/38
In: 175.880+/-333.402 χ²/NDF:55.6/40
Out: 315.102+/-325.071 χ²/NDF:58.7/45
All: 247.252+/-232.750 χ²/NDF: 114.4/86

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2294.667+/-0.600 χ^2/NDF: 1188601.4/17

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2504.163+/-0.625 χ^2/NDF: 1617667.7/20

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

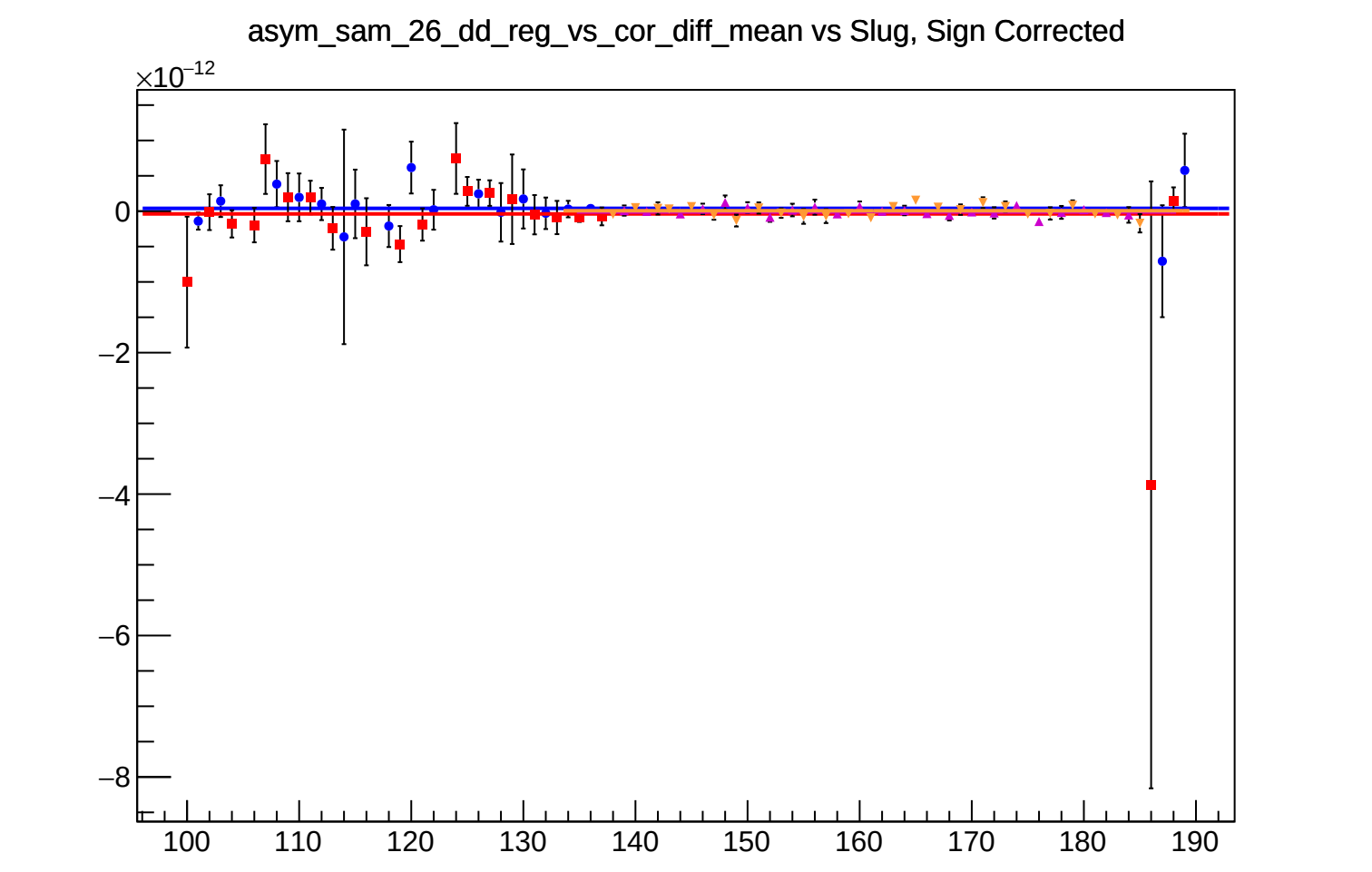
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2395.180+/-0.433 χ^2/NDF: 2864740.0/38

In: 1658.380+/-0.236 χ^2/NDF:2880258.4/40

Out: 1658.983+/-0.230 χ^2/NDF:4162772.8/45

All: 1658.689+/-0.165 χ^2/NDF: 7043034.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

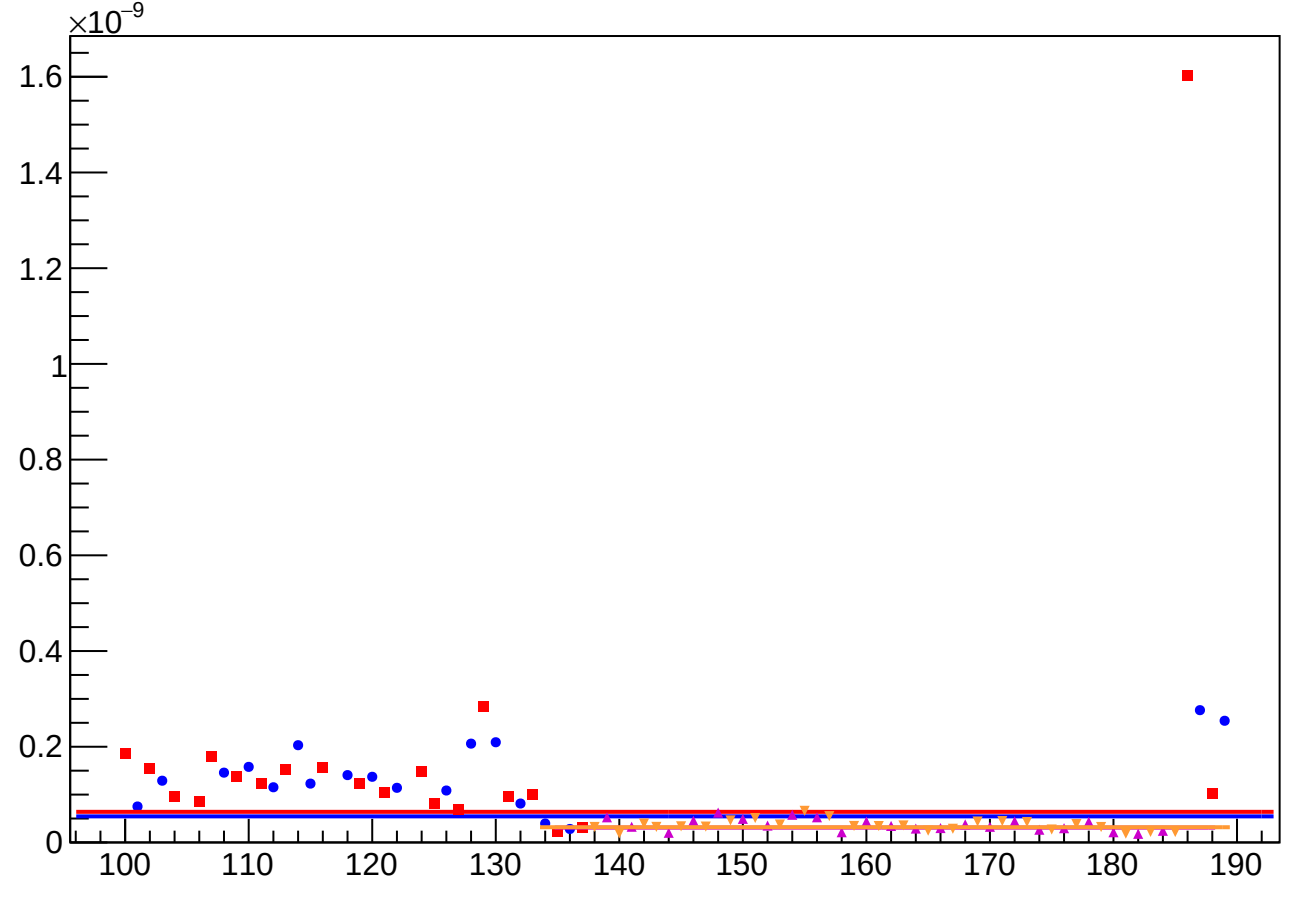
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 32.4/38

In: -0.000+/-0.000 χ^2/NDF:29.1/40

Out: 0.000+/-0.000 χ^2/NDF:51.9/45

All: -0.000+/-0.000 χ^2/NDF: 81.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 3033410.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2761002.1/20

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

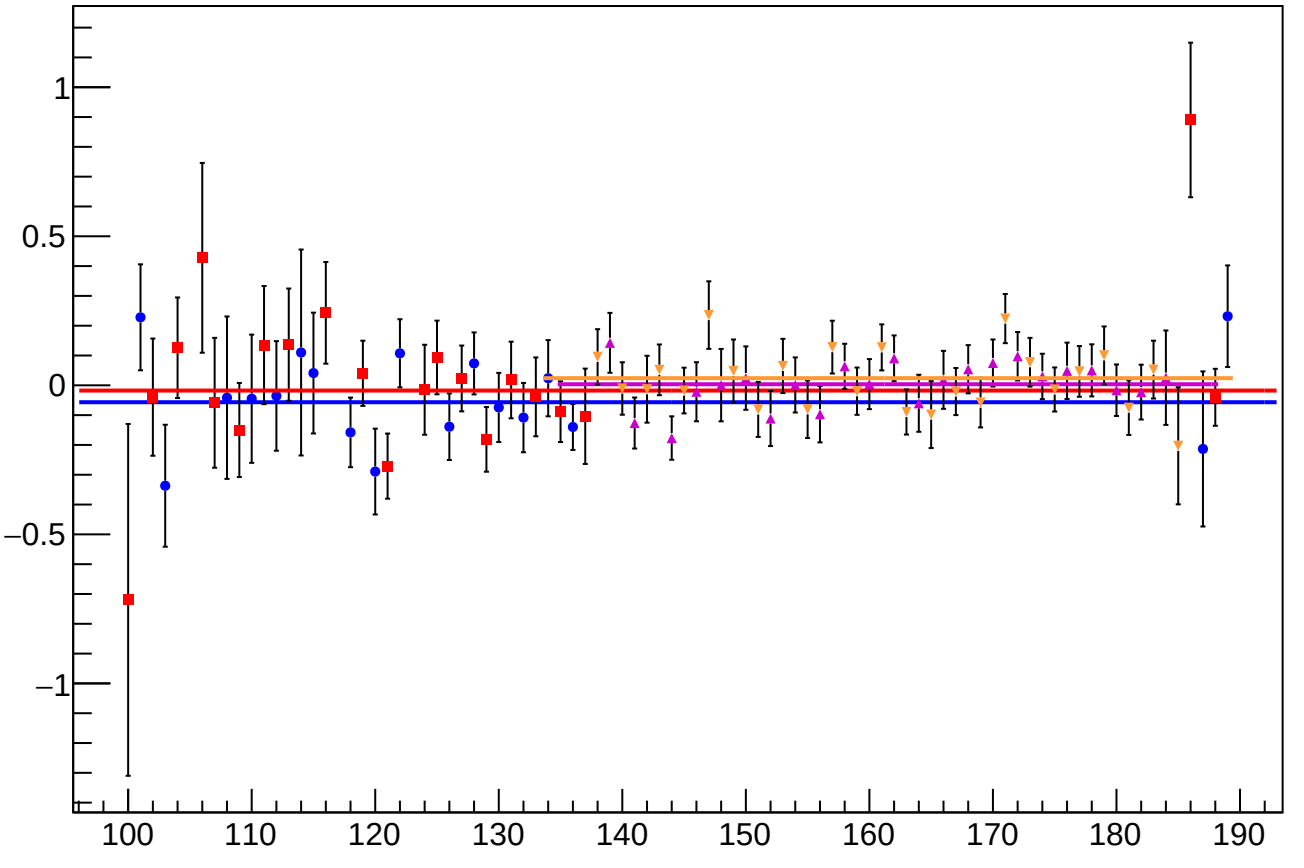
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5852556.4/38

In: 0.000+/-0.000 χ^2/NDF:5377829.2/40

Out: 0.000+/-0.000 χ^2/NDF:5063386.5/45

All: 0.000+/-0.000 χ^2/NDF: 10445095.8/86



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

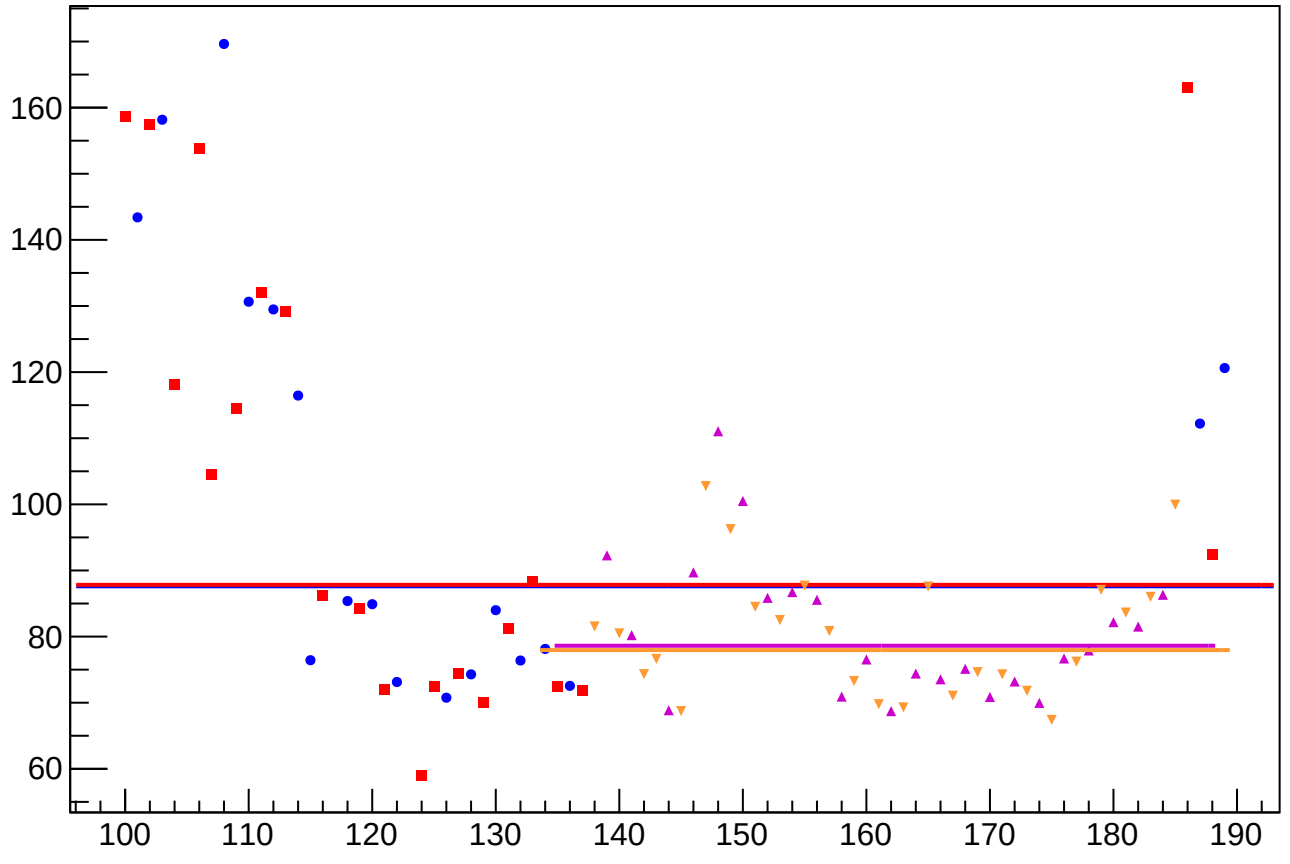
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.036+/-0.022 χ^2/NDF: 48.8/38

In: -0.011+/-0.016 χ^2/NDF:38.9/40

Out: 0.014+/-0.015 χ^2/NDF:57.4/45

All: 0.002+/-0.011 χ^2/NDF: 97.6/86



Right In: 87.609+/-0.023 χ^2/NDF: 1132848.1/17

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 87.825+/-0.022 χ^2/NDF: 1169508.8/20

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

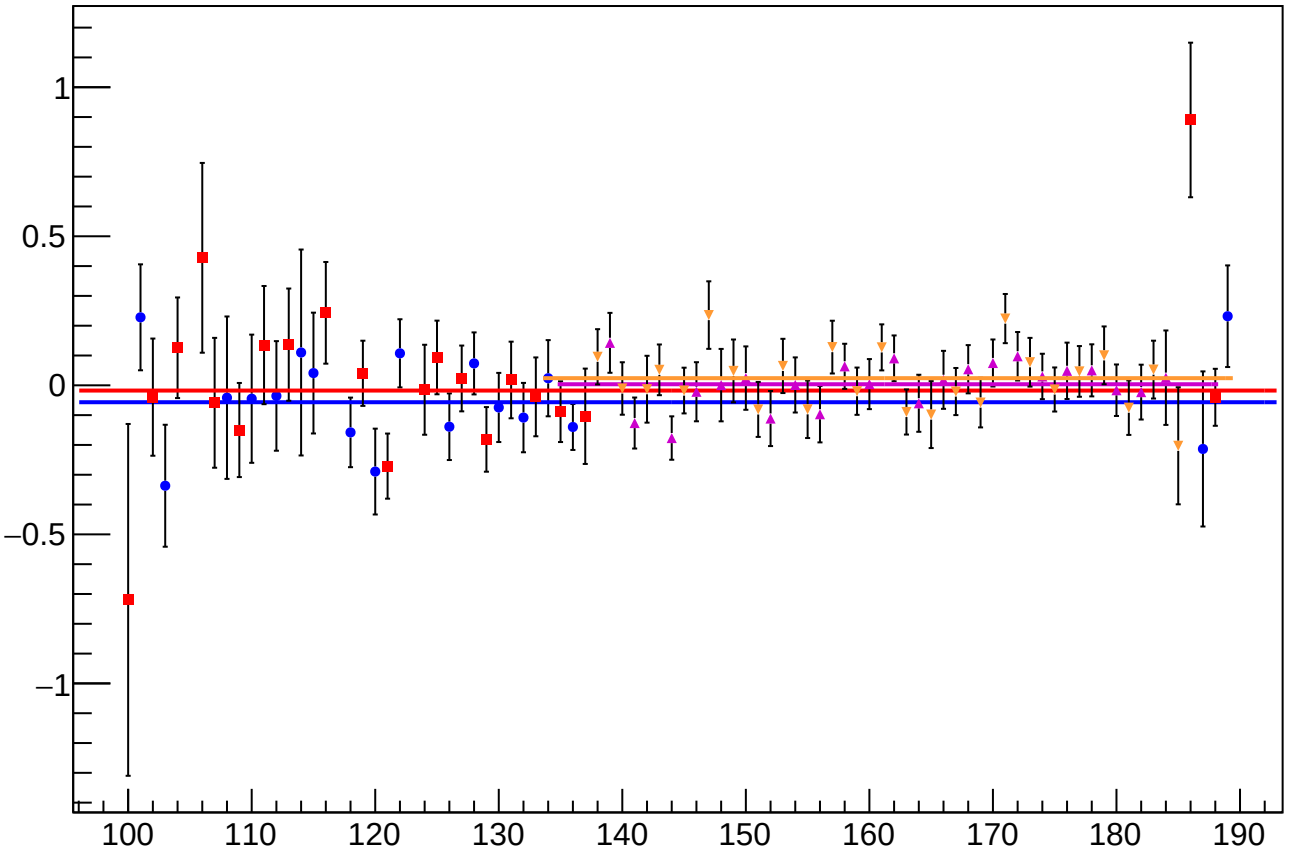
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 87.722+/-0.016 χ^2/NDF: 2302403.6/38

In: 80.834+/-0.011 χ^2/NDF:1746484.0/40

Out: 80.423+/-0.011 χ^2/NDF:1761833.6/45

All: 80.620+/-0.008 χ^2/NDF: 3508996.8/86



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

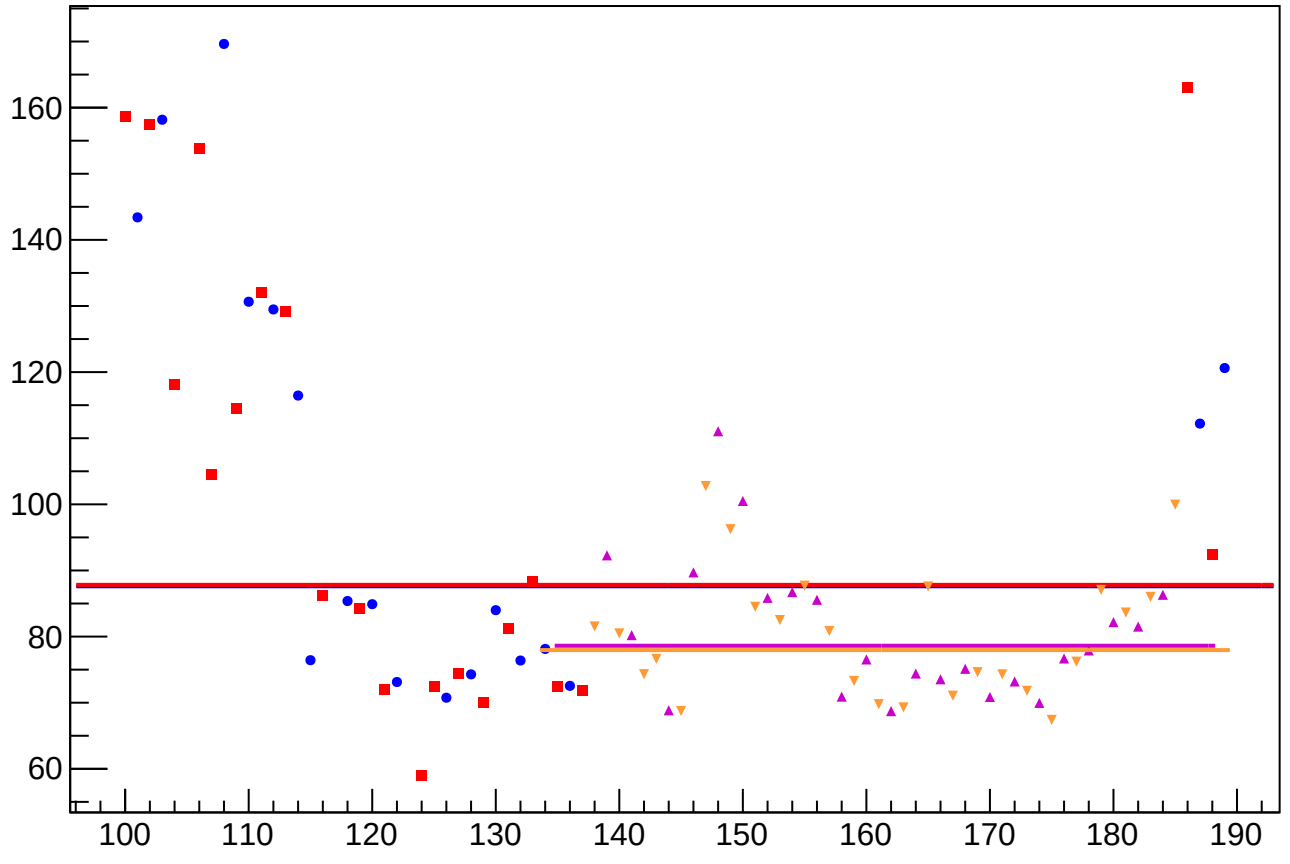
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.036+/-0.022 χ^2/NDF: 48.8/38

In: -0.011+/-0.016 χ^2/NDF:38.9/40

Out: 0.014+/-0.015 χ^2/NDF:57.4/45

All: 0.002+/-0.011 χ^2/NDF: 97.6/86



Right In: 87.609+/-0.023 χ^2/NDF: 1132848.1/17

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 87.825+/-0.022 χ^2/NDF: 1169508.8/20

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

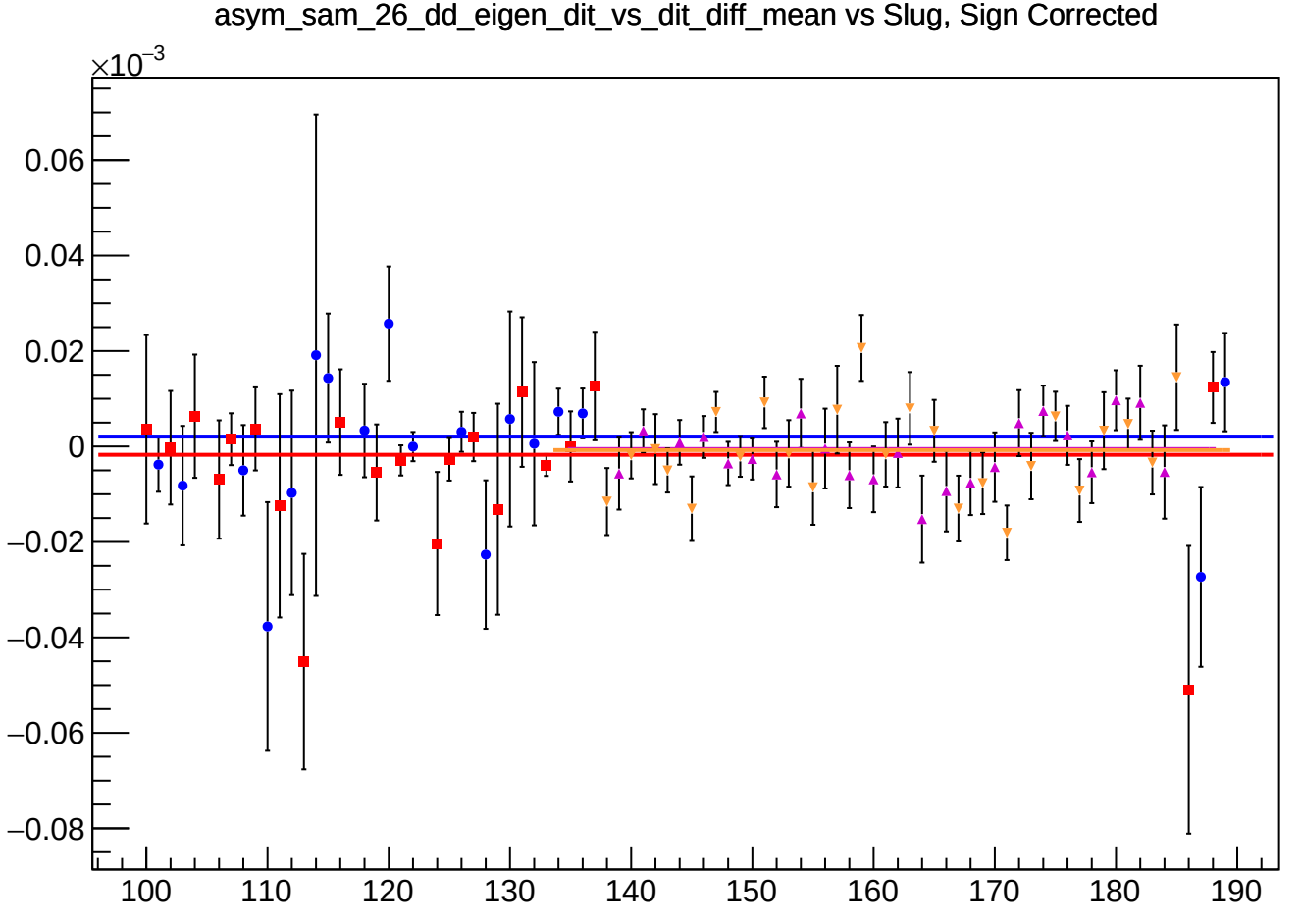
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 87.722+/-0.016 χ^2/NDF: 2302403.6/38

In: 80.834+/-0.011 χ^2/NDF:1746484.0/40

Out: 80.423+/-0.011 χ^2/NDF:1761833.6/45

All: 80.620+/-0.008 χ^2/NDF: 3508996.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

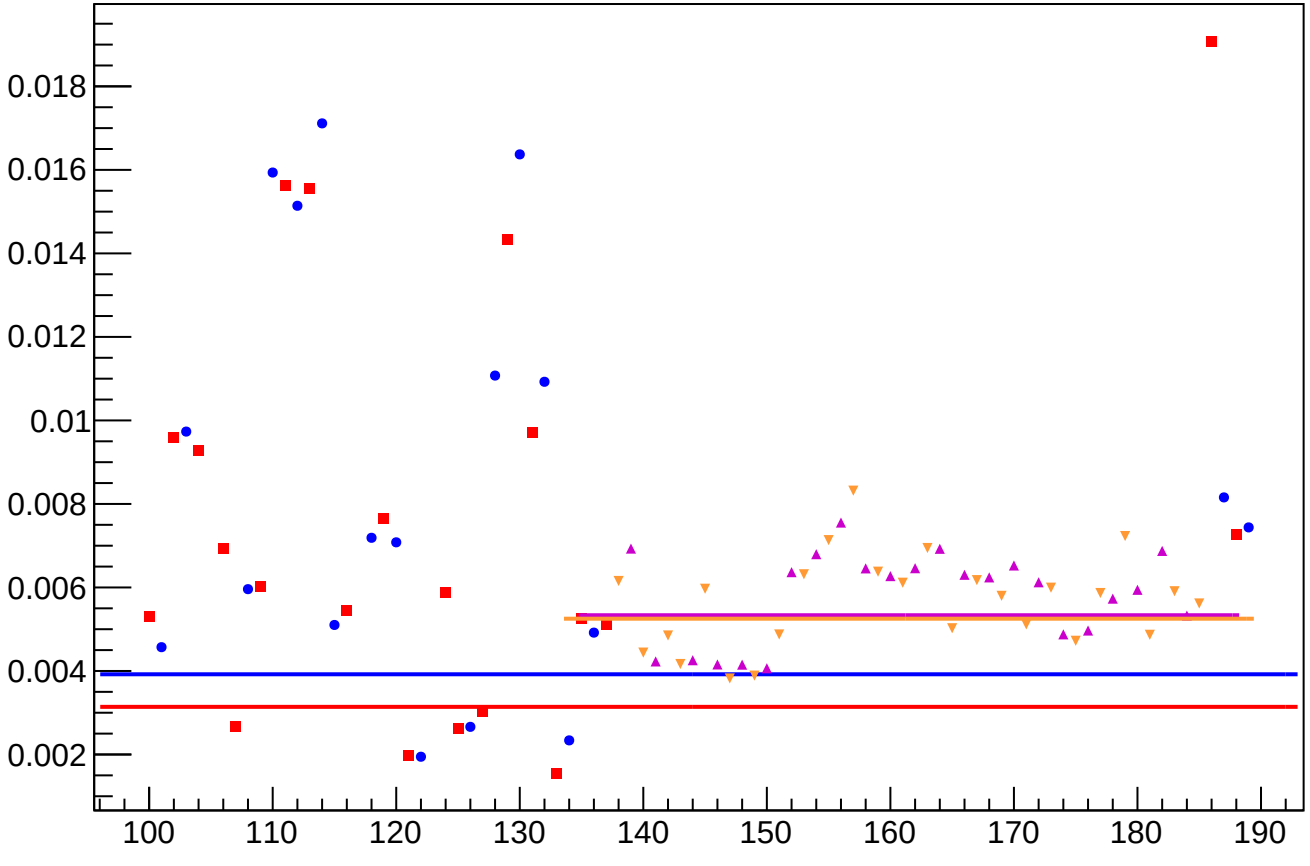
Right: -0.000+/-0.000 χ^2/NDF: 39.4/38

In: 0.000+/-0.000 χ^2/NDF:38.7/40

Out: -0.000+/-0.000 χ^2/NDF:65.7/45

All: -0.000+/-0.000 χ^2/NDF: 105.8/86

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5040920.7/17

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6756987.2/20

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

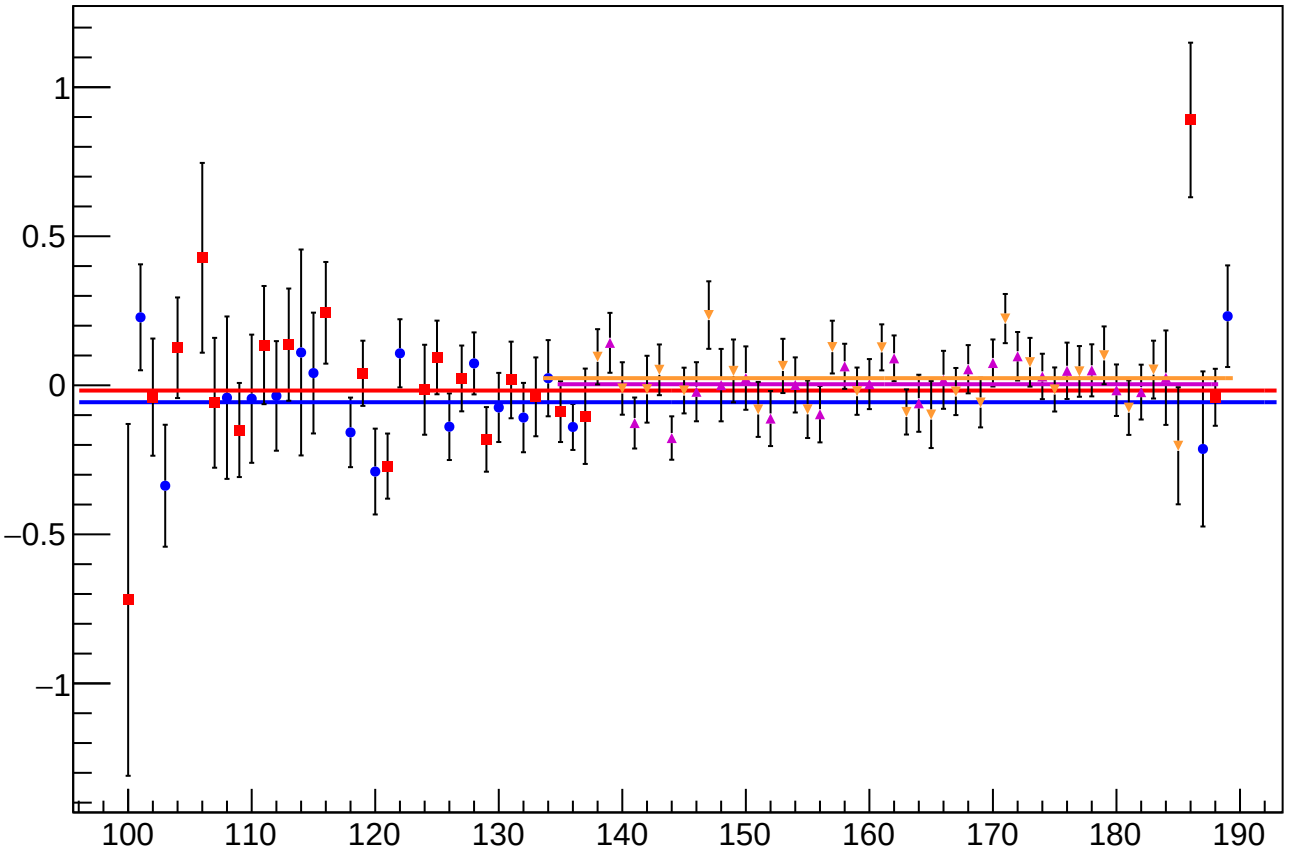
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.003+/-0.000 χ^2/NDF: 12049591.8/38

In: 0.005+/-0.000 χ^2/NDF:7421620.8/40

Out: 0.004+/-0.000 χ^2/NDF:10896227.8/45

All: 0.005+/-0.000 χ^2/NDF: 18591825.3/86



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

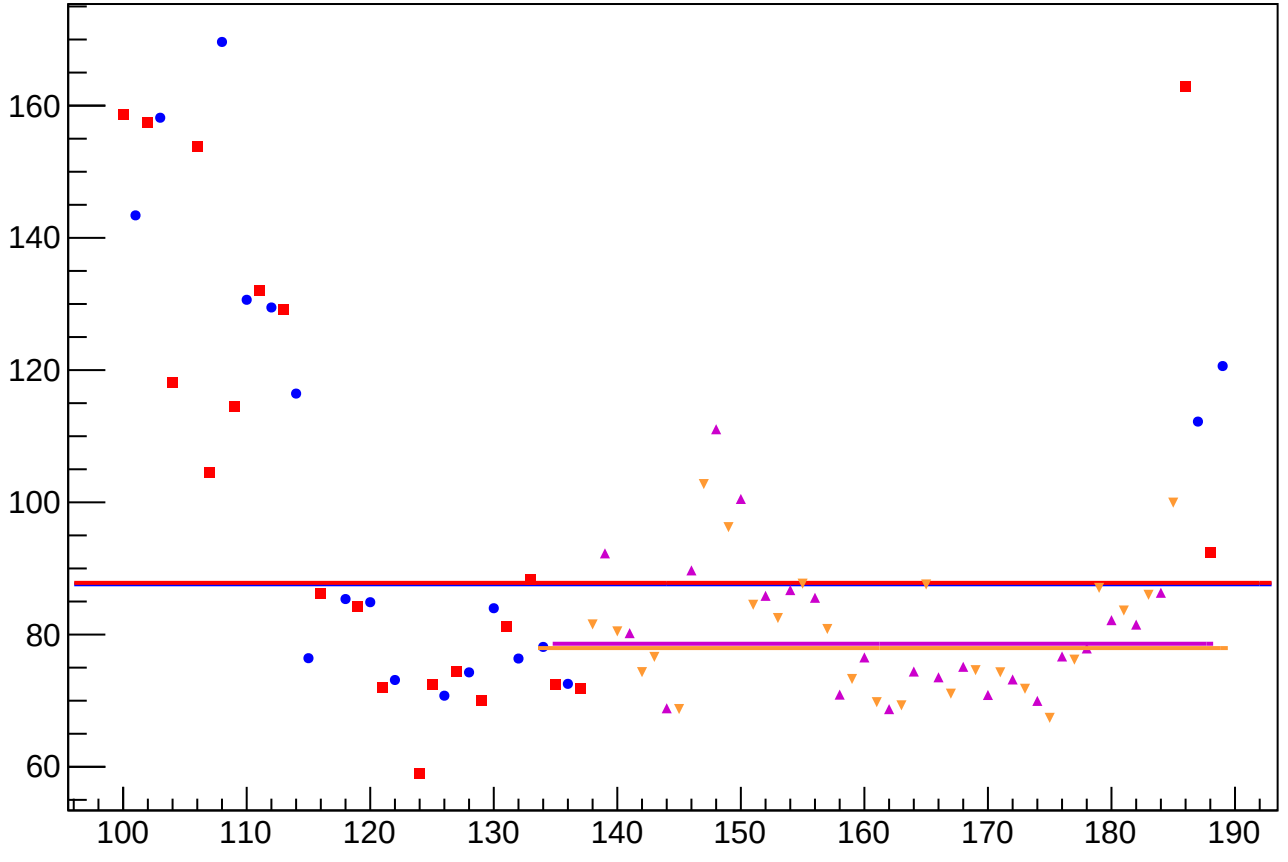
Right: -0.036+/-0.022 χ^2/NDF: 48.8/38

In: -0.011+/-0.016 χ^2/NDF:38.9/40

Out: 0.014+/-0.015 χ^2/NDF:57.4/45

All: 0.002+/-0.011 χ^2/NDF: 97.6/86

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 87.606+/-0.023 χ^2/NDF: 1132840.4/17

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 87.823+/-0.022 χ^2/NDF: 1169480.6/20

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

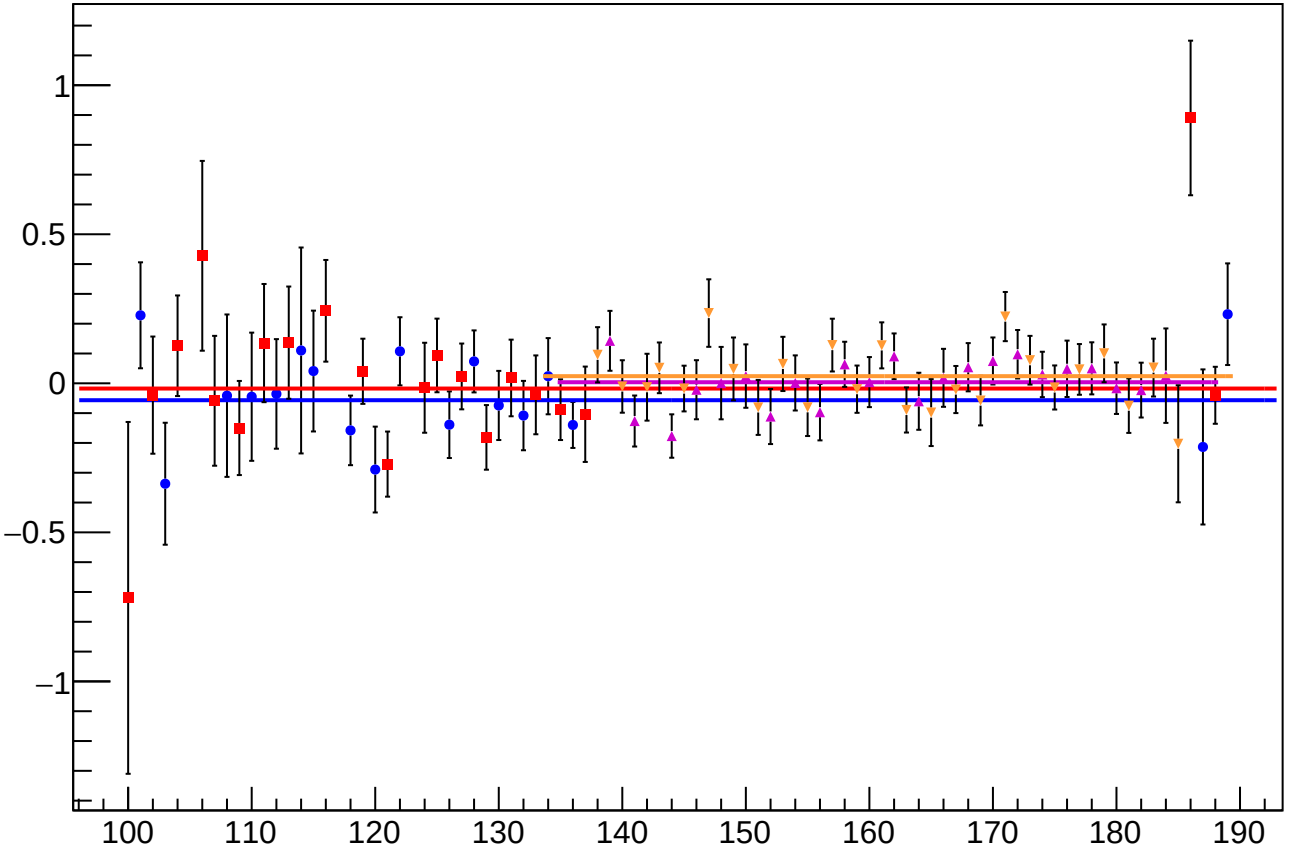
Right: 87.720+/-0.016 χ^2/NDF: 2302367.9/38

In: 80.833+/-0.011 χ^2/NDF:1746473.5/40

Out: 80.422+/-0.011 χ^2/NDF:1761800.7/45

All: 80.619+/-0.008 χ^2/NDF: 3508952.5/86

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.032 χ^2/NDF: 17.5/17

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

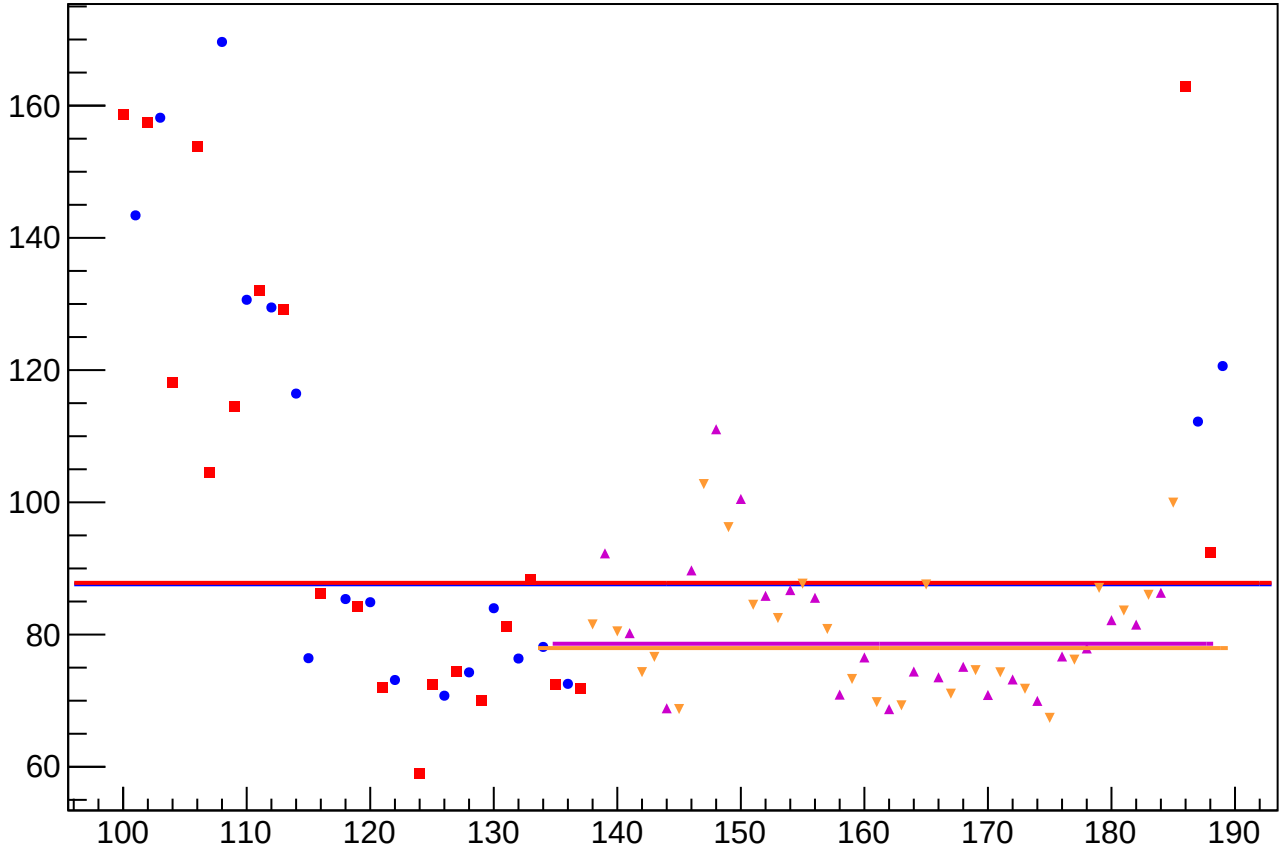
Right: -0.036+/-0.022 χ^2/NDF: 48.8/38

In: -0.011+/-0.016 χ^2/NDF:38.9/40

Out: 0.014+/-0.015 χ^2/NDF:57.4/45

All: 0.002+/-0.011 χ^2/NDF: 97.6/86

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 87.606+/-0.023 χ^2/NDF: 1132840.4/17

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 87.823+/-0.022 χ^2/NDF: 1169480.6/20

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

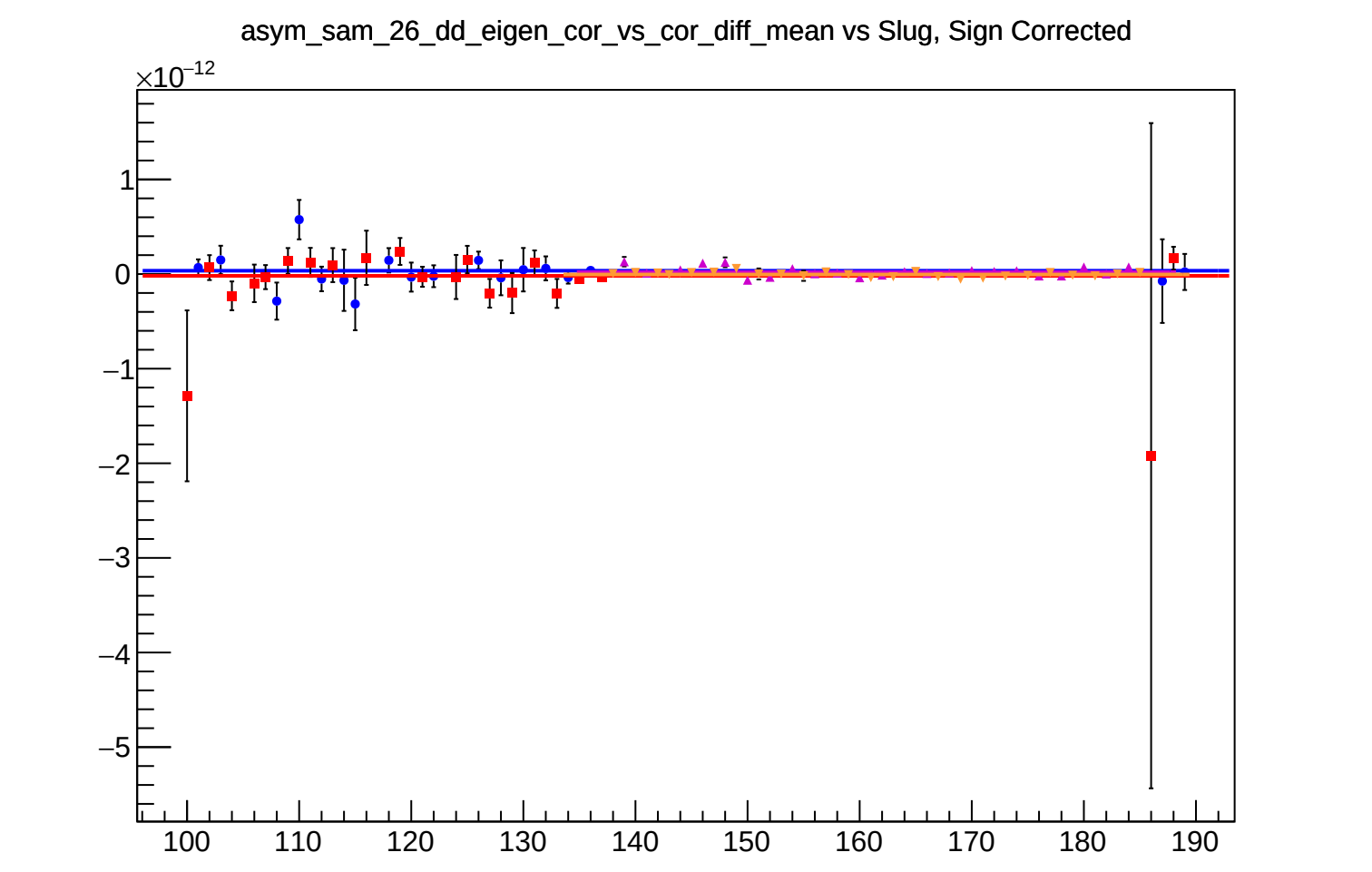
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 87.720+/-0.016 χ^2/NDF: 2302367.9/38

In: 80.833+/-0.011 χ^2/NDF:1746473.5/40

Out: 80.422+/-0.011 χ^2/NDF:1761800.7/45

All: 80.619+/-0.008 χ^2/NDF: 3508952.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

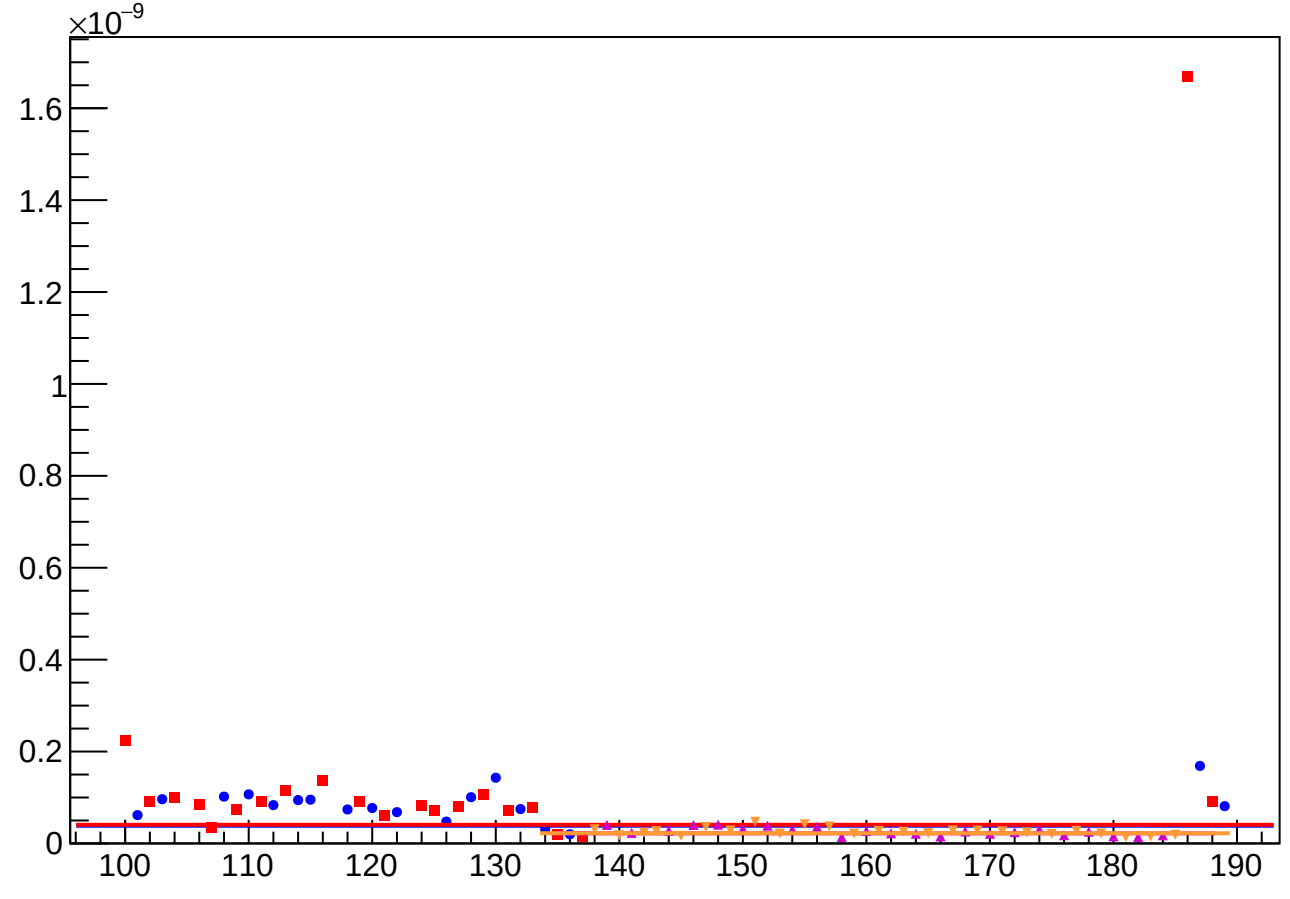
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 40.3/38

In: 0.000+/-0.000 χ^2/NDF:56.9/40

Out: -0.000+/-0.000 χ^2/NDF:34.1/45

All: 0.000+/-0.000 χ^2/NDF: 101.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 3732512.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4924680.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

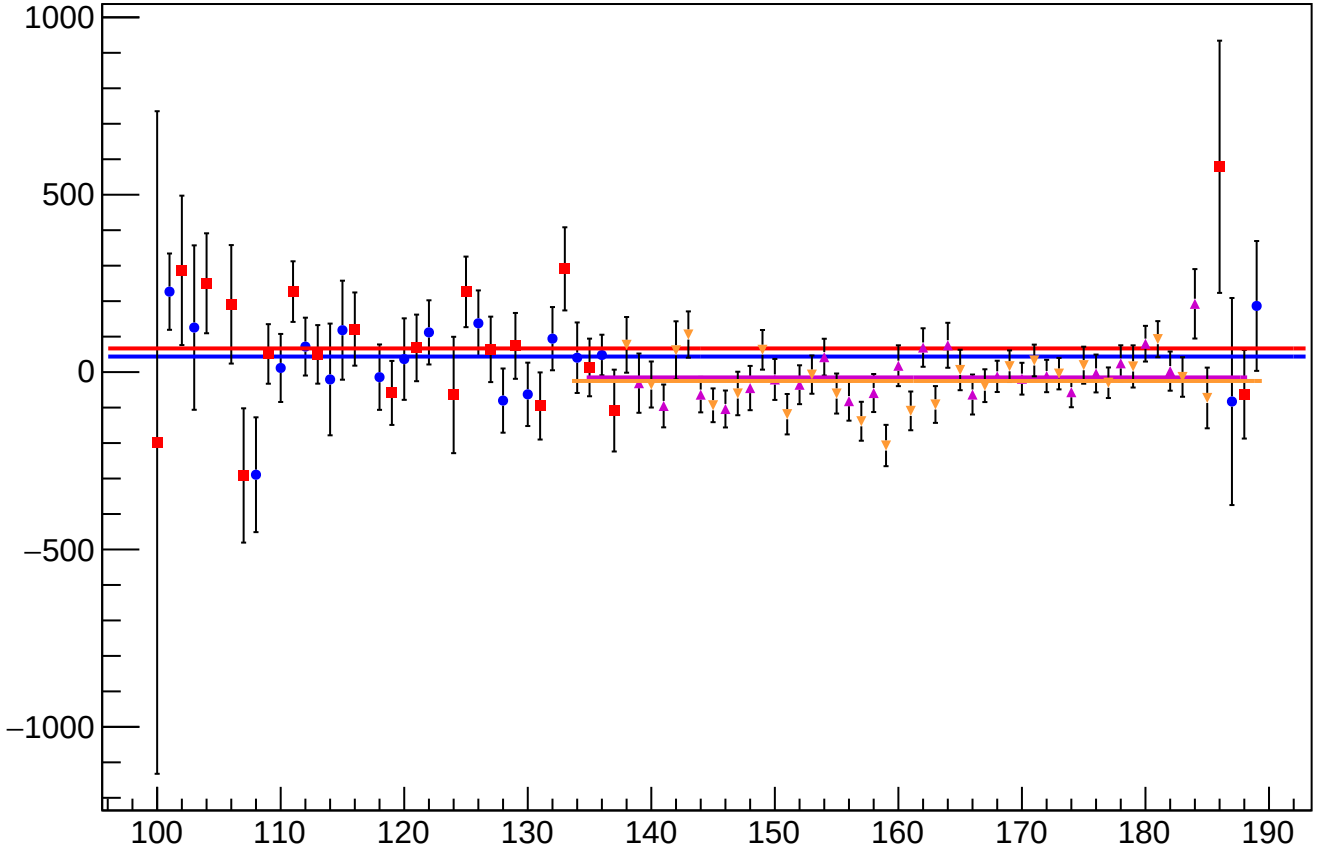
Right: 0.000+/-0.000 χ^2/NDF: 8665661.1/38

In: 0.000+/-0.000 χ^2/NDF:7734304.6/40

Out: 0.000+/-0.000 χ^2/NDF:8537798.1/45

All: 0.000+/-0.000 χ^2/NDF: 16272429.5/86

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 43.843+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 66.723+/-23.910 χ^2/NDF: 28.5/20

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

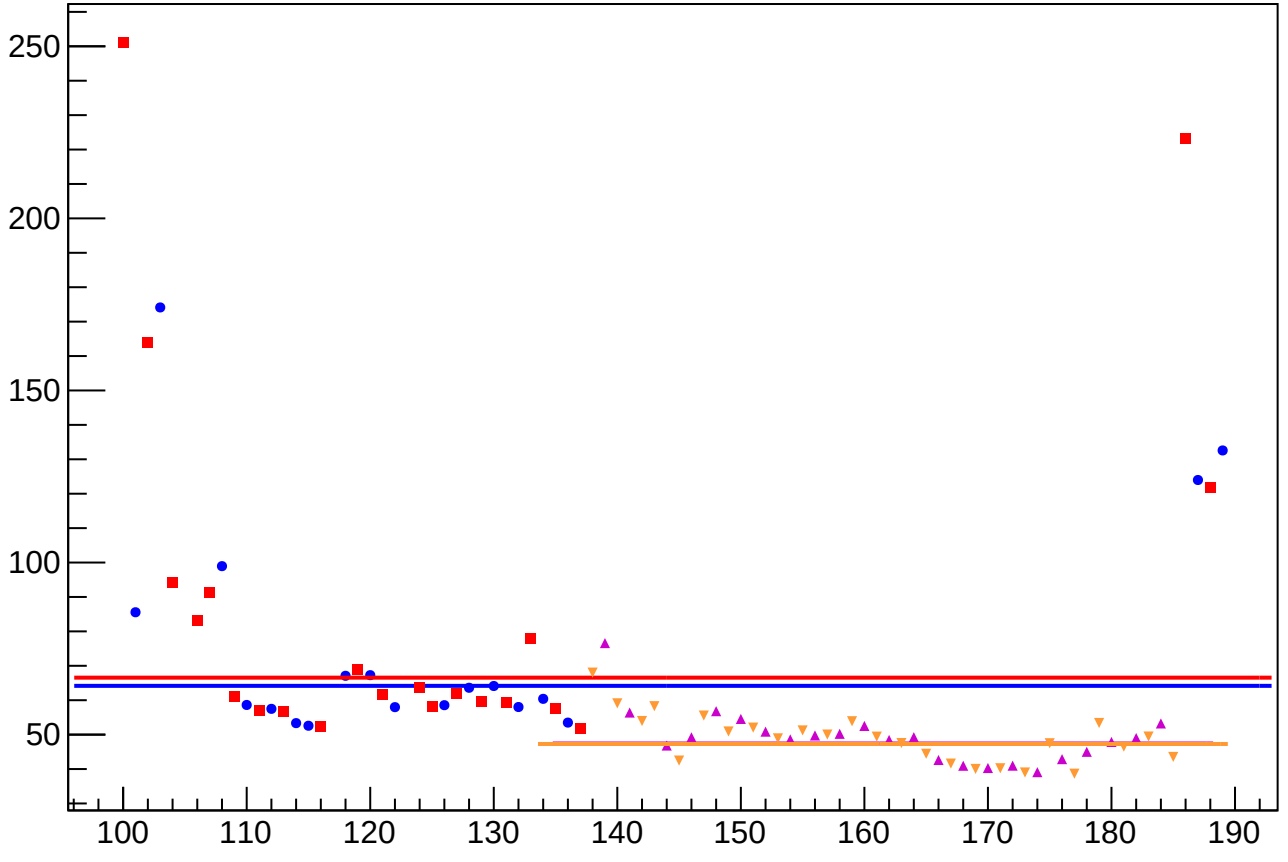
Right: 55.287+/-16.909 χ^2/NDF: 43.3/38

In: -4.384+/-10.156 χ^2/NDF:44.0/40

Out: -9.237+/-9.909 χ^2/NDF:83.8/45

All: -6.871+/-7.092 χ^2/NDF: 128.0/86

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 64.174+/-0.017 χ^2/NDF: 1130772.7/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 66.553+/-0.017 χ^2/NDF: 1642146.6/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

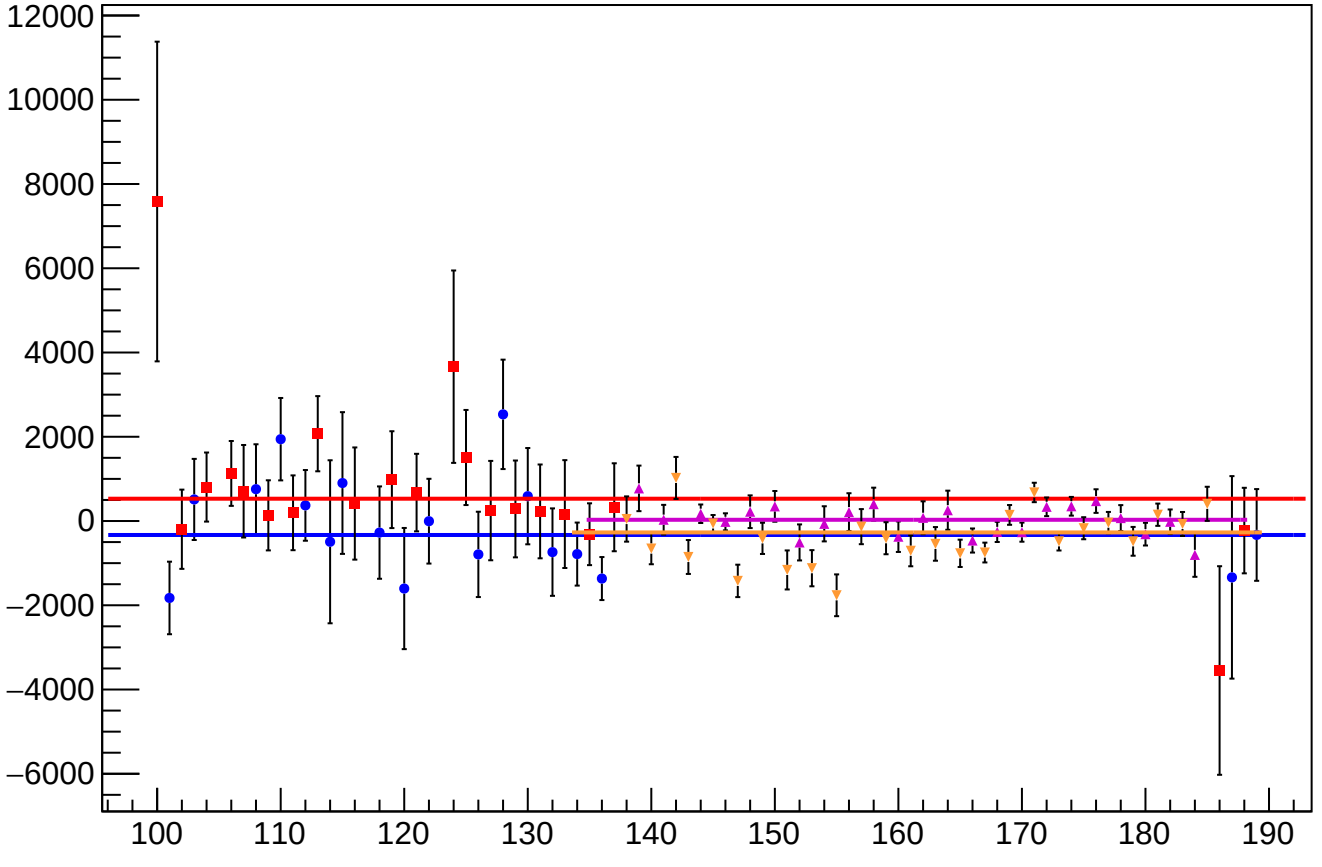
Right: 65.364+/-0.012 χ^2/NDF: 2782819.7/38

In: 50.445+/-0.007 χ^2/NDF:2590420.7/40

Out: 50.593+/-0.007 χ^2/NDF:3435308.4/45

All: 50.521+/-0.005 χ^2/NDF: 6025945.9/86

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -331.527+/-231.872 χ^2/NDF: 22.9/17

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 529.483+/-226.734 χ^2/NDF: 15.9/20

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

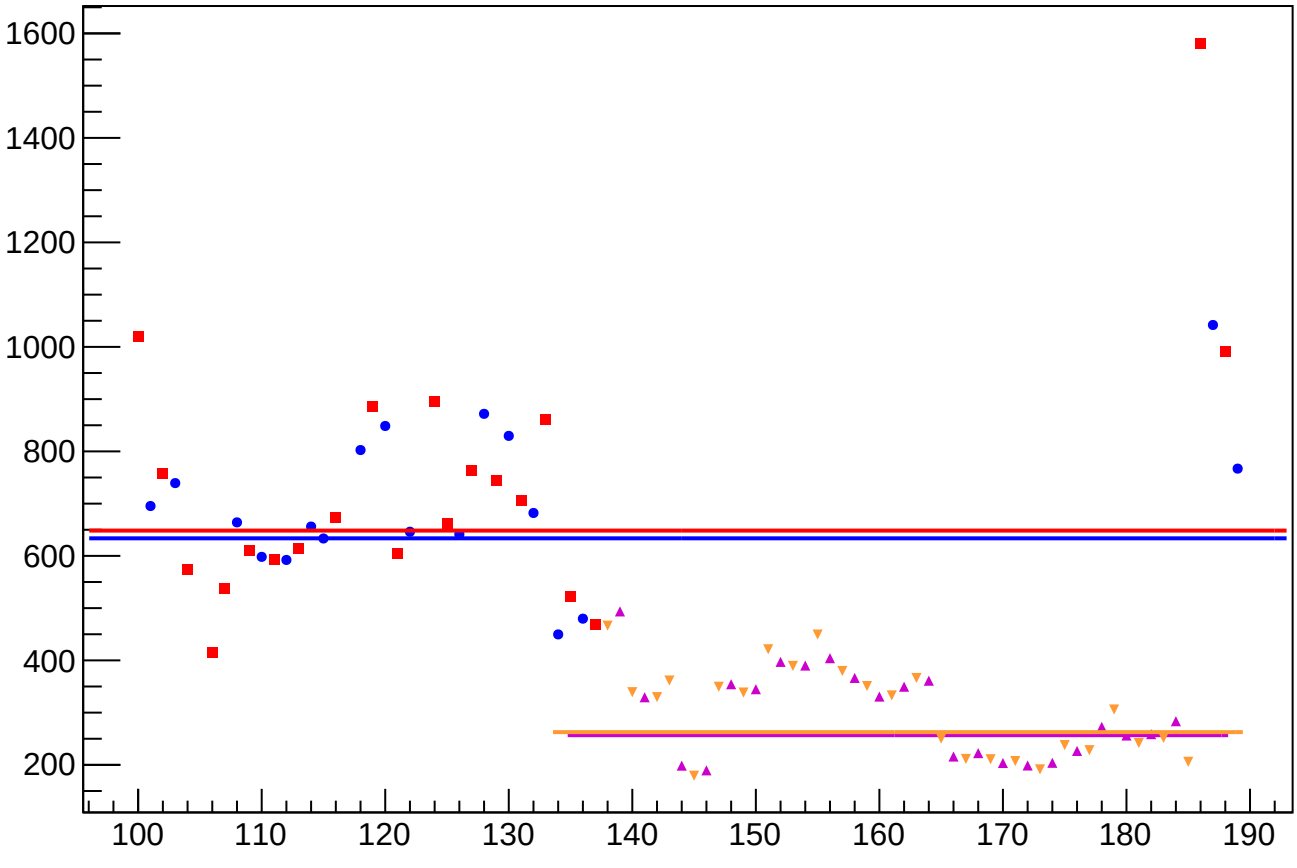
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 108.622+/-162.111 χ^2/NDF: 45.8/38

In: 4.642+/-60.500 χ^2/NDF:49.5/40

Out: -214.759+/-60.115 χ^2/NDF:101.3/45

All: -105.759+/-42.643 χ^2/NDF: 157.5/86



Right In: 633.603+/-0.164 χ^2/NDF: 657100.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 648.410+/-0.160 χ^2/NDF: 1119179.6/20

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

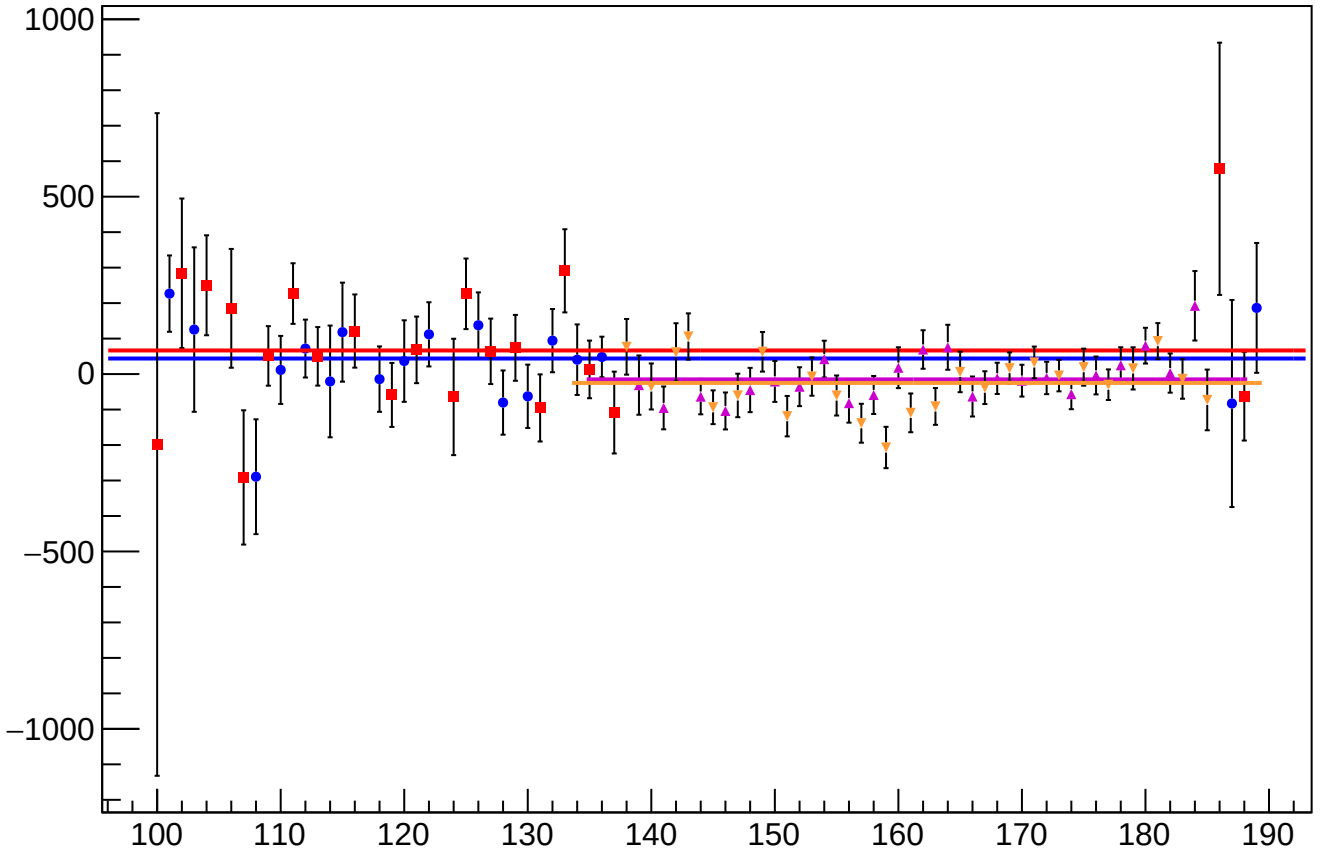
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 641.172+/-0.115 χ^2/NDF: 1780449.5/38

In: 282.492+/-0.043 χ^2/NDF:8217198.3/40

Out: 289.794+/-0.043 χ^2/NDF:9394031.7/45

All: 286.166+/-0.030 χ^2/NDF: 17625891.4/86



Right In: 43.837+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 66.548+/-23.911 χ^2/NDF: 28.4/20

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

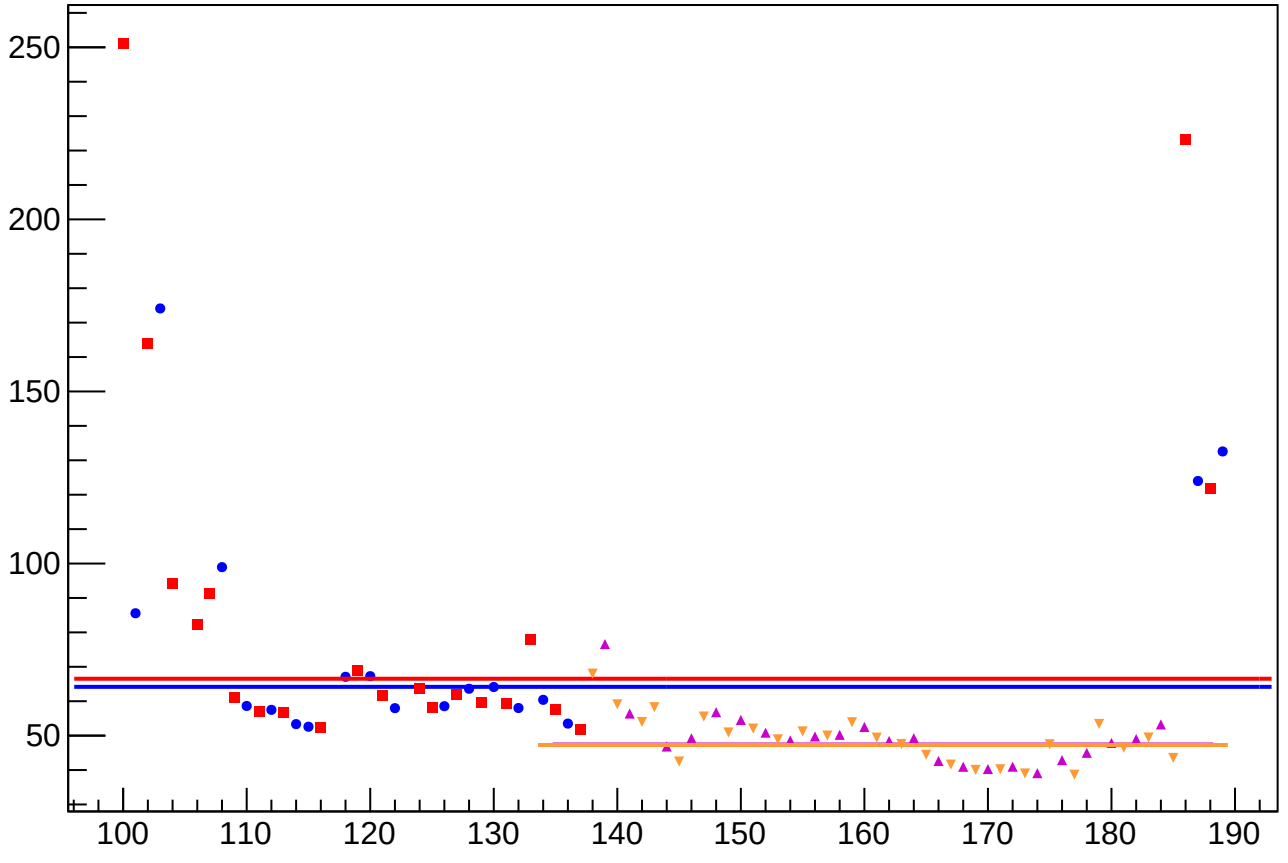
Right: 55.195+/-16.910 χ^2/NDF: 43.2/38

In: -4.384+/-10.156 χ^2/NDF:44.0/40

Out: -9.266+/-9.909 χ^2/NDF:83.7/45

All: -6.885+/-7.092 χ^2/NDF: 127.8/86

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 64.174+/-0.017 χ^2/NDF: 1130774.9/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 66.530+/-0.017 χ^2/NDF: 1639857.7/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

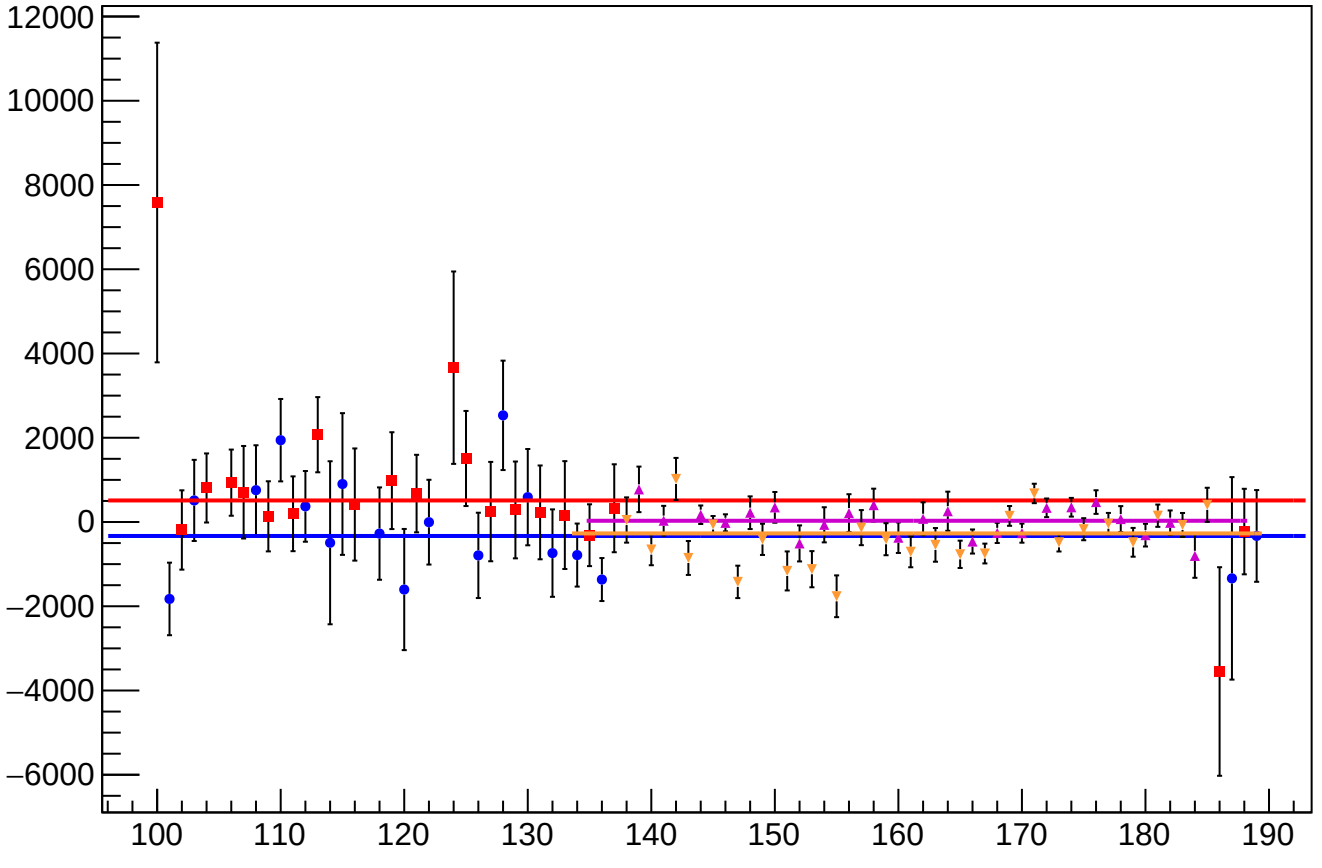
Right: 65.352+/-0.012 χ^2/NDF: 2780343.5/38

In: 50.445+/-0.007 χ^2/NDF:2590422.5/40

Out: 50.589+/-0.007 χ^2/NDF:3430369.9/45

All: 50.519+/-0.005 χ^2/NDF: 6020997.0/86

asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -331.523+/-231.873 χ^2/NDF: 22.9/17

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 511.662+/-227.133 χ^2/NDF: 15.5/20

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

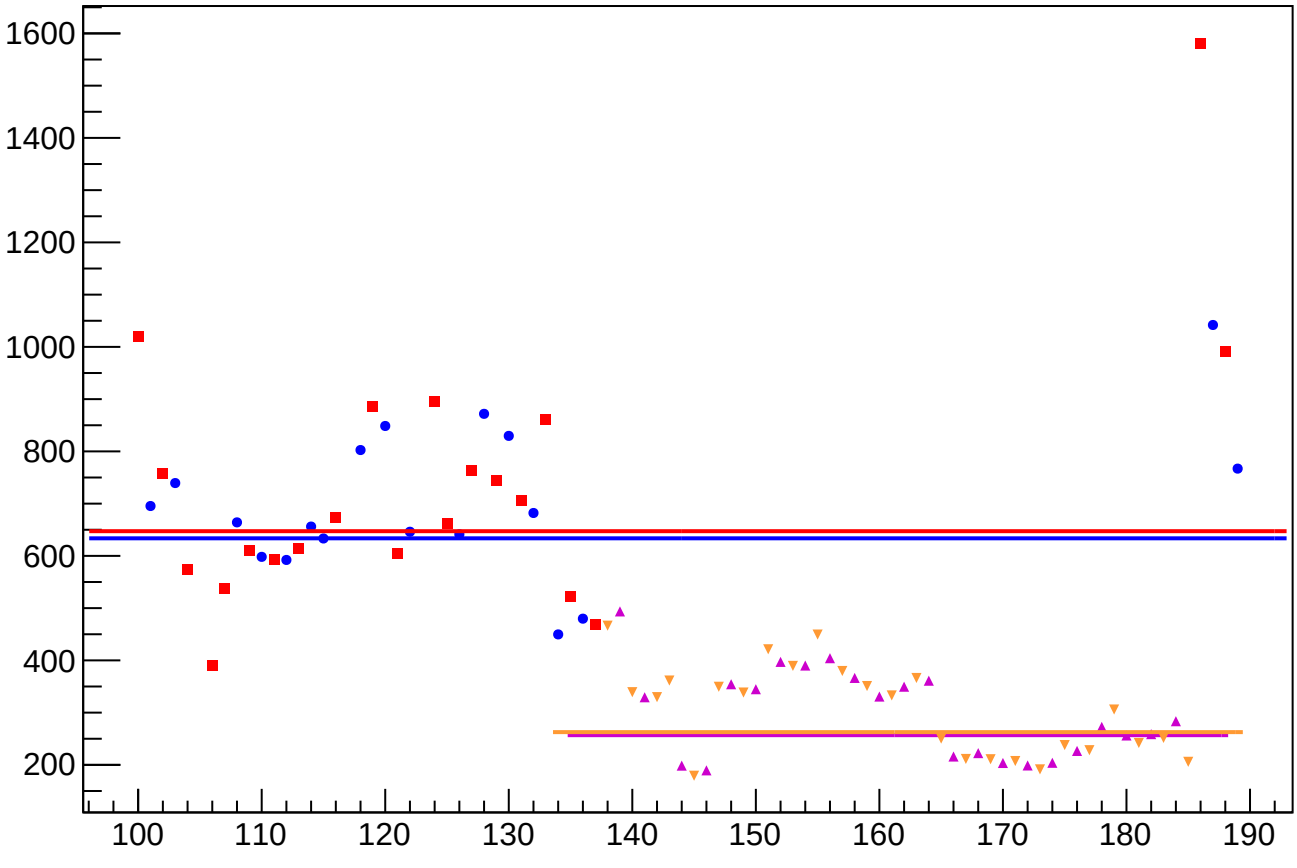
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 98.776+/-162.257 χ^2/NDF: 45.1/38

In: 4.645+/-60.500 χ^2/NDF:49.5/40

Out: -216.187+/-60.122 χ^2/NDF:100.4/45

All: -106.463+/-42.646 χ^2/NDF: 156.7/86



Right In: 633.606+/-0.164 χ^2/NDF: 657130.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 647.278+/-0.161 χ^2/NDF: 1149540.4/20

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

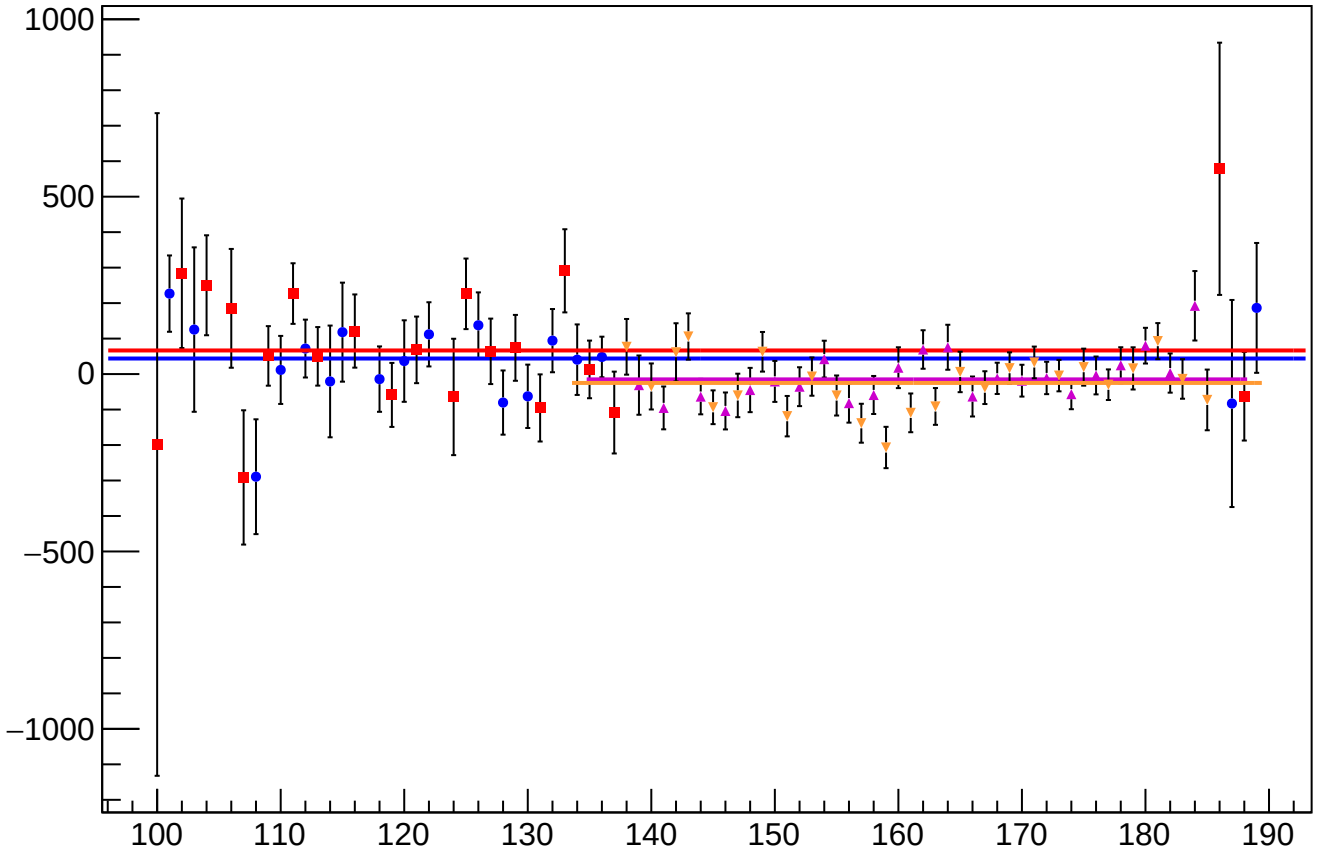
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 640.583+/-0.115 χ^2/NDF: 1810219.1/38

In: 282.492+/-0.043 χ^2/NDF:8217242.4/40

Out: 289.626+/-0.043 χ^2/NDF:9375370.6/45

All: 286.081+/-0.030 χ^2/NDF: 17606606.3/86



Right In: 43.837+/-23.917 χ^2/NDF: 14.4/17

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 66.548+/-23.911 χ^2/NDF: 28.4/20

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

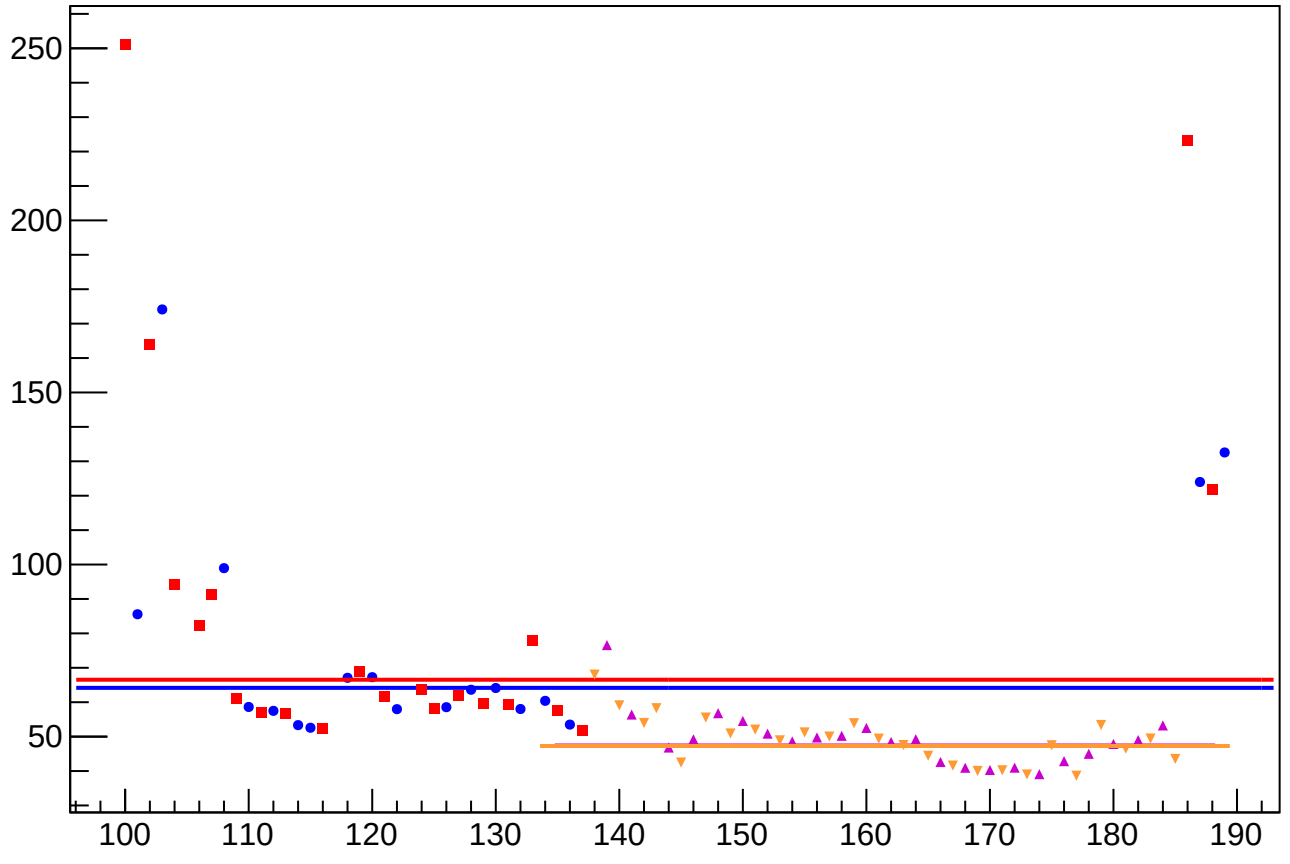
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 55.195+/-16.910 χ^2/NDF: 43.2/38

In: -4.384+/-10.156 χ^2/NDF:44.0/40

Out: -9.266+/-9.909 χ^2/NDF:83.7/45

All: -6.885+/-7.092 χ^2/NDF: 127.8/86



Right In: 64.174+/-0.017 χ^2/NDF: 1130774.9/17

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 66.530+/-0.017 χ^2/NDF: 1639857.7/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

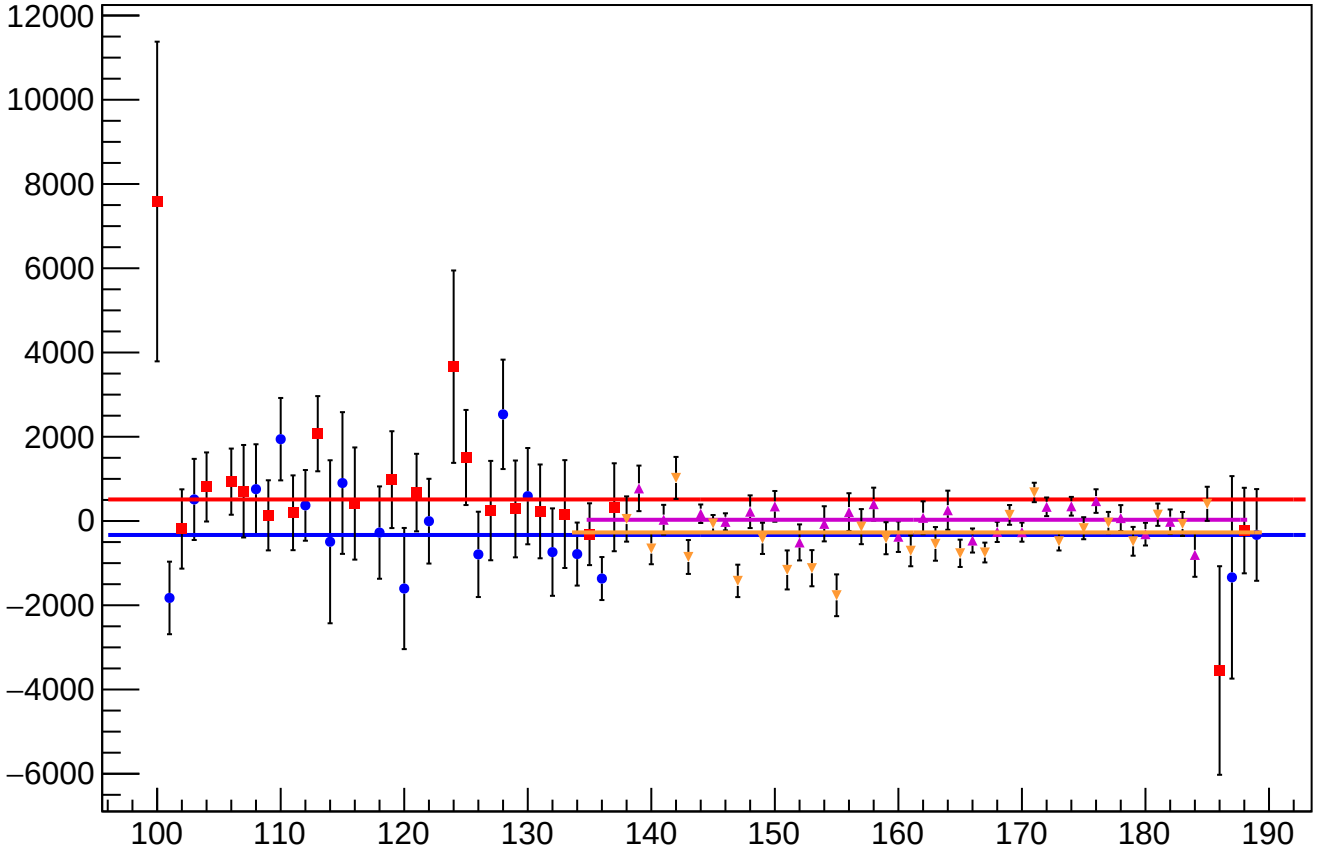
Right: 65.352+/-0.012 χ^2/NDF: 2780343.5/38

In: 50.445+/-0.007 χ^2/NDF:2590422.5/40

Out: 50.589+/-0.007 χ^2/NDF:3430369.9/45

All: 50.519+/-0.005 χ^2/NDF: 6020997.0/86

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -331.523+/-231.873 χ^2/NDF: 22.9/17

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 511.662+/-227.133 χ^2/NDF: 15.5/20

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

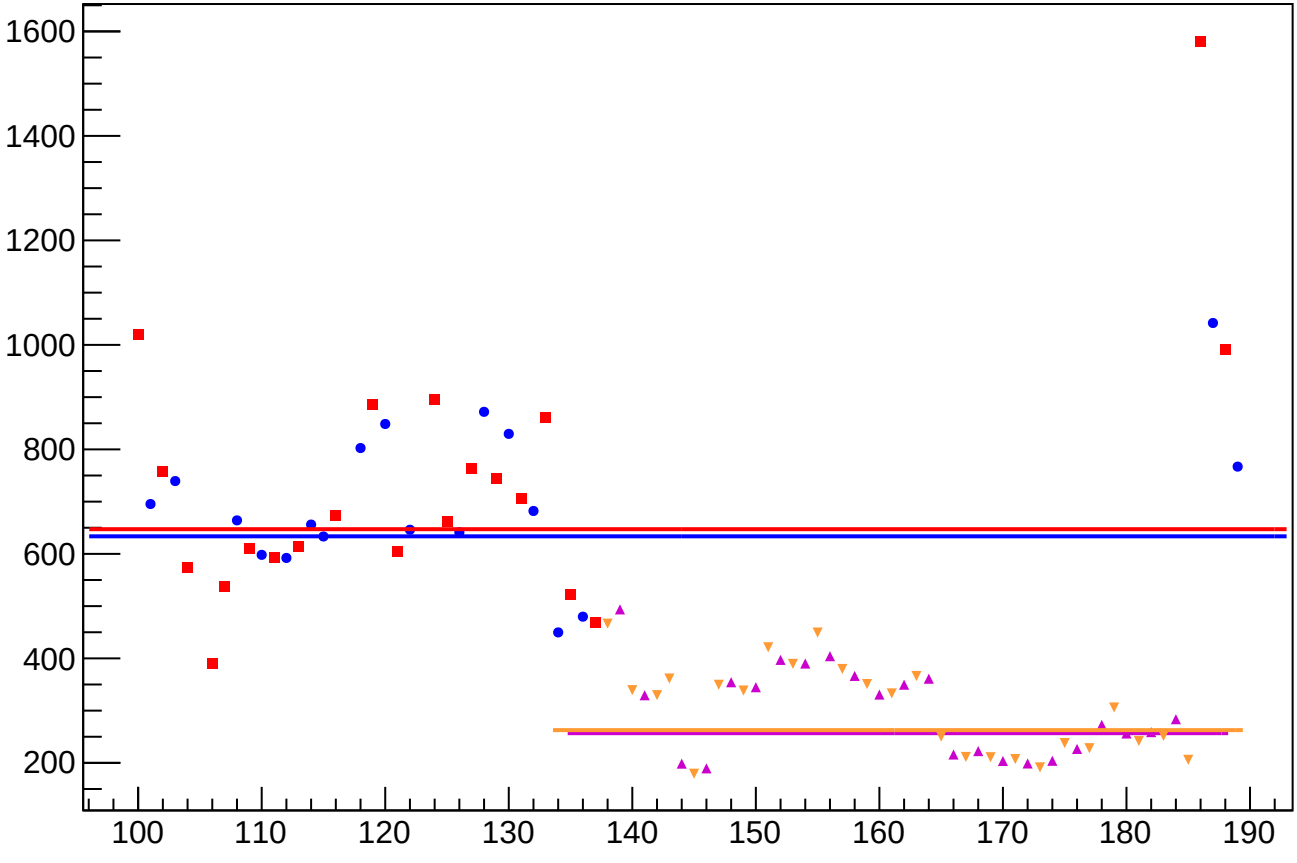
Right: 98.776+/-162.257 χ^2/NDF: 45.1/38

In: 4.645+/-60.500 χ^2/NDF:49.5/40

Out: -216.187+/-60.122 χ^2/NDF:100.4/45

All: -106.463+/-42.646 χ^2/NDF: 156.7/86

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 633.606+/-0.164 χ^2/NDF: 657130.2/17

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 647.278+/-0.161 χ^2/NDF: 1149540.4/20

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

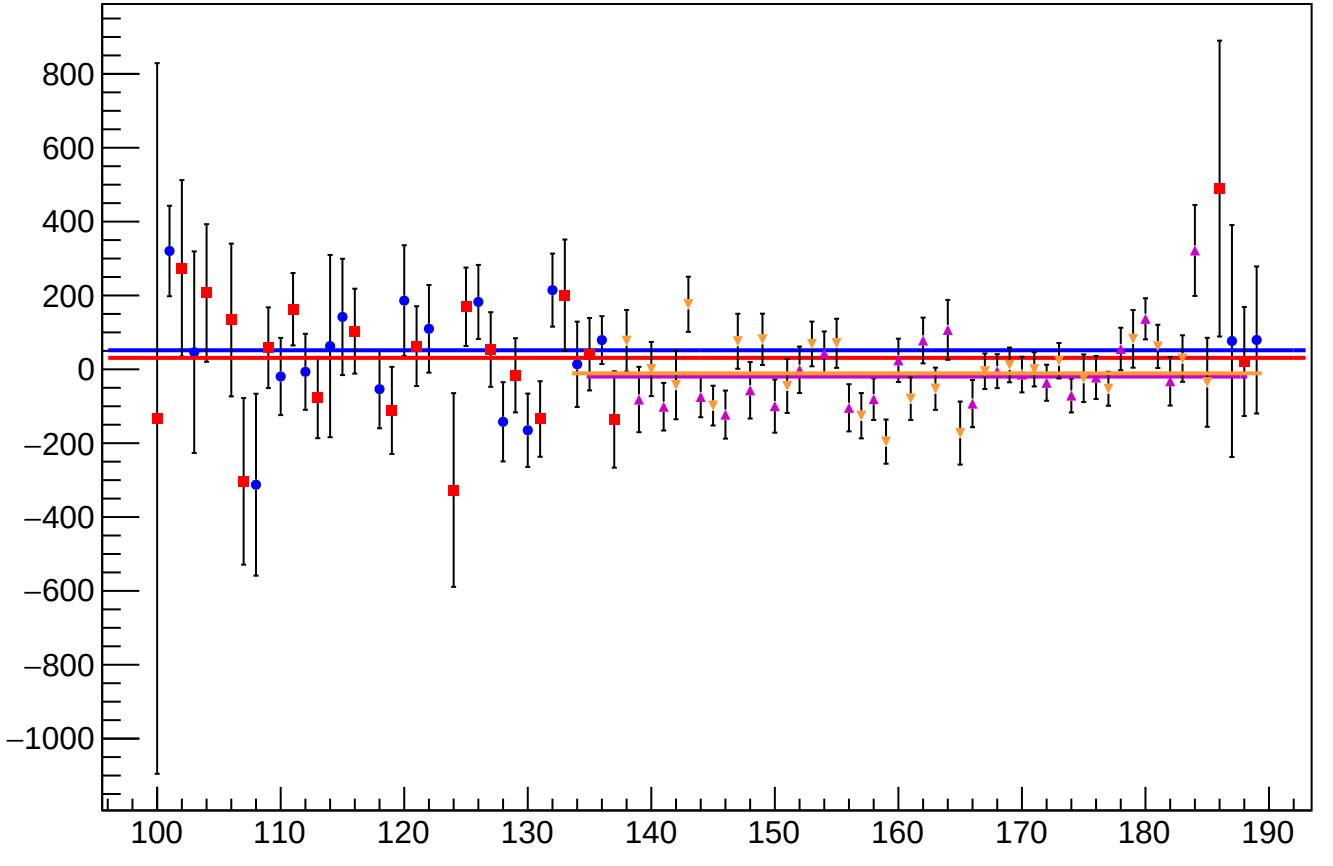
Right: 640.583+/-0.115 χ^2/NDF: 1810219.1/38

In: 282.492+/-0.043 χ^2/NDF:8217242.4/40

Out: 289.626+/-0.043 χ^2/NDF:9375370.6/45

All: 286.081+/-0.030 χ^2/NDF: 17606606.3/86

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 51.608+/-27.923 χ^2/NDF: 22.9/17

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.053+/-28.301 χ^2/NDF: 19.8/20

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

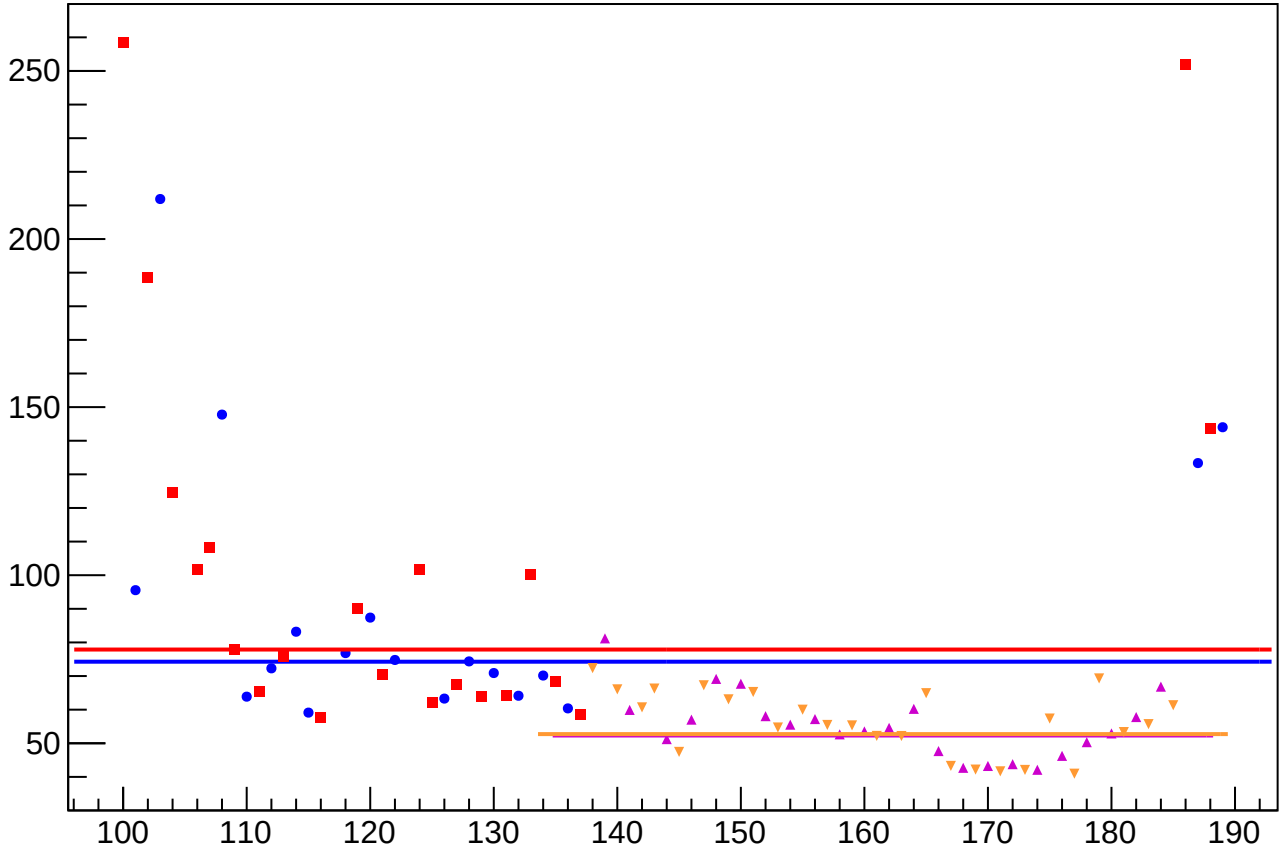
Right: 41.468+/-19.877 χ^2/NDF: 43.0/38

In: -7.638+/-11.444 χ^2/NDF:65.1/40

Out: -4.164+/-11.285 χ^2/NDF:62.1/45

All: -5.877+/-8.035 χ^2/NDF: 127.2/86

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 74.268+/-0.020 χ^2/NDF: 1263185.2/17

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 77.886+/-0.020 χ^2/NDF: 1853638.5/20

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

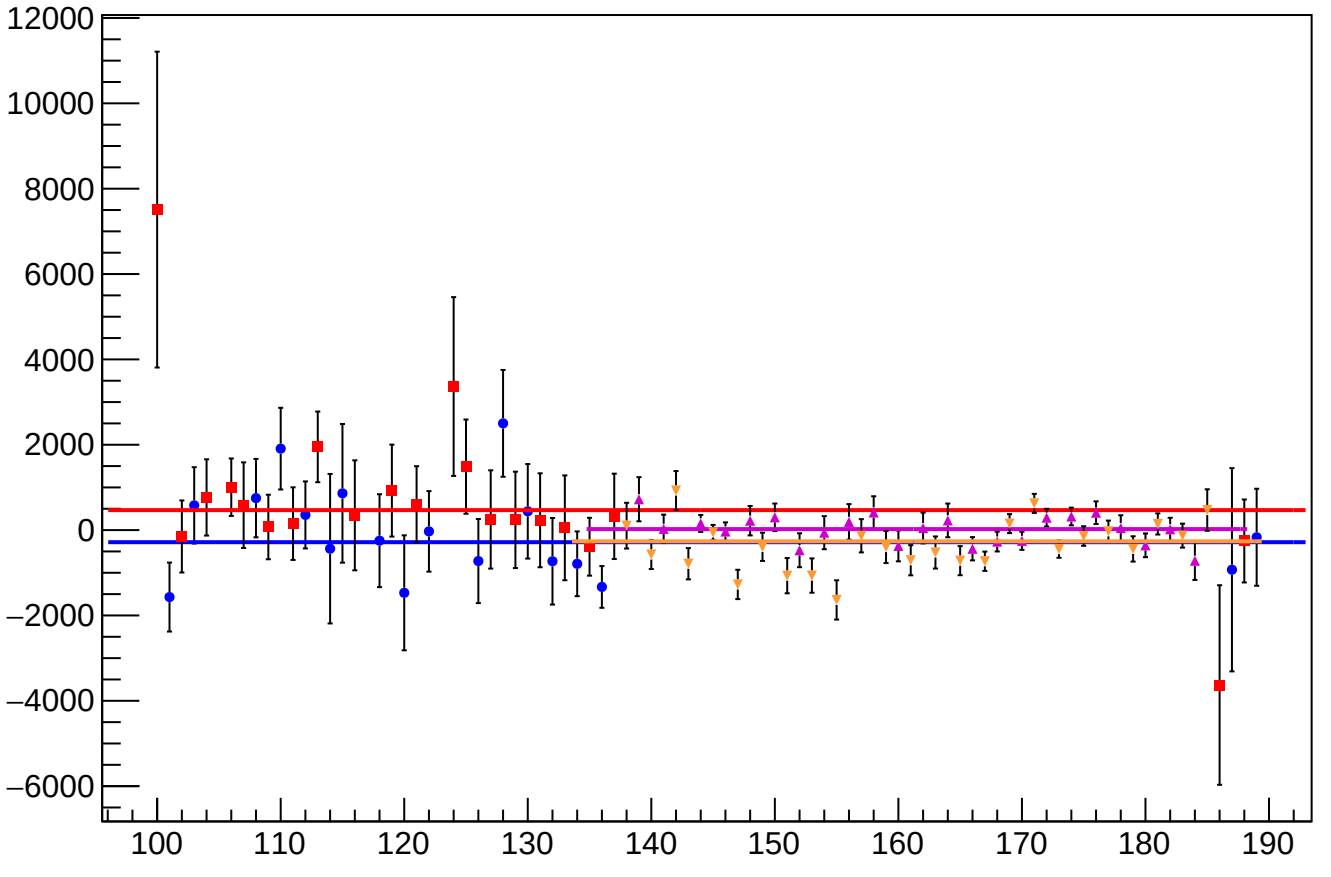
Right: 76.053+/-0.014 χ^2/NDF: 3133386.9/38

In: 56.001+/-0.008 χ^2/NDF:3183718.5/40

Out: 56.731+/-0.008 χ^2/NDF:4349710.5/45

All: 56.371+/-0.006 χ^2/NDF: 7537551.8/86

asym_sam_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -283.304+/-222.373 χ^2/NDF: 22.9/17

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 468.074+/-214.500 χ^2/NDF: 17.0/20

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

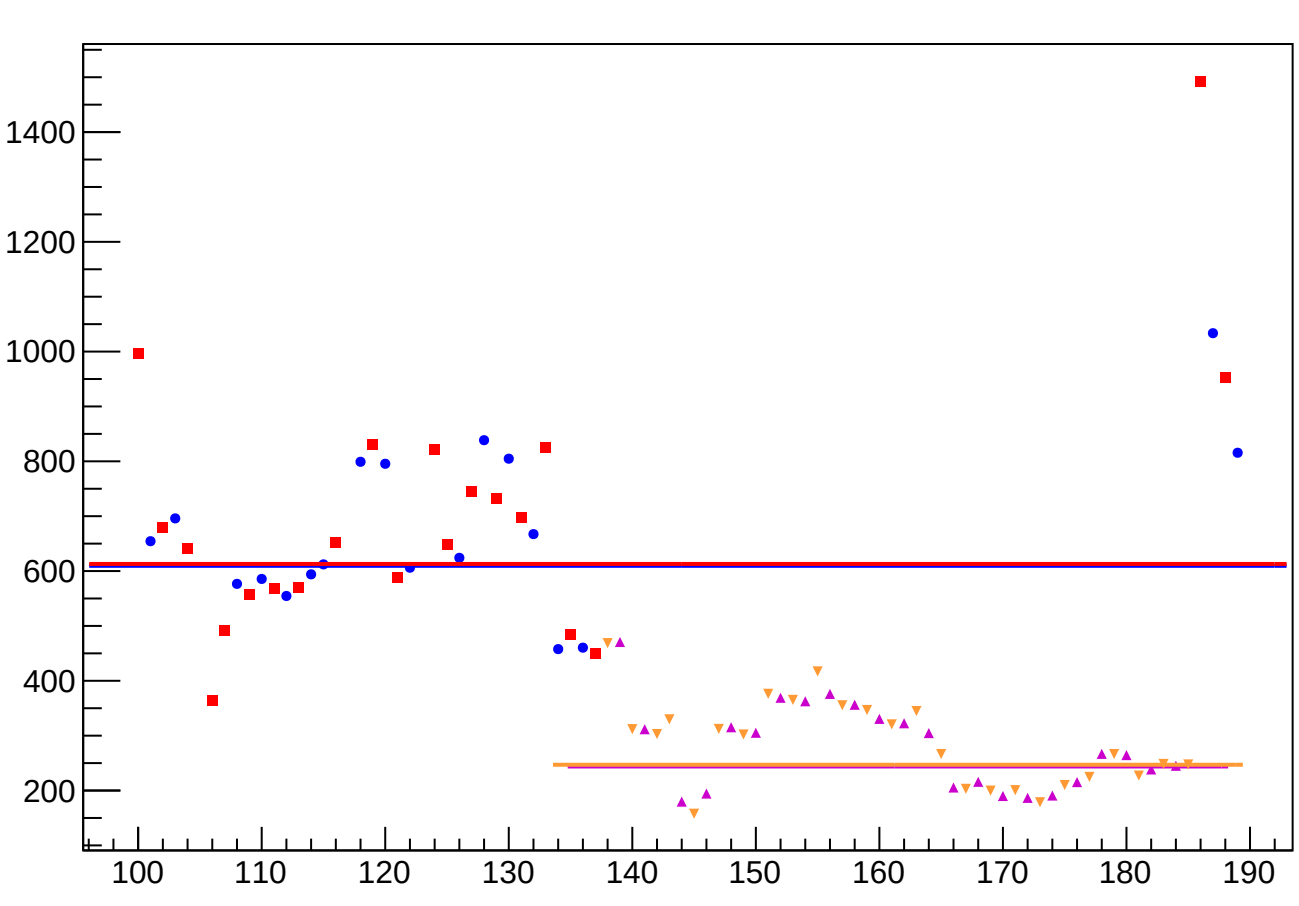
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 105.922+/-154.383 χ^2/NDF: 45.8/38

In: 3.040+/-57.385 χ^2/NDF:48.8/40

Out: -211.996+/-56.439 χ^2/NDF:100.0/45

All: -106.264+/-40.239 χ^2/NDF: 156.0/86



Right In: 609.590+/-0.157 χ^2/NDF: 668558.7/17

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 612.933+/-0.152 χ^2/NDF: 1241639.2/20

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

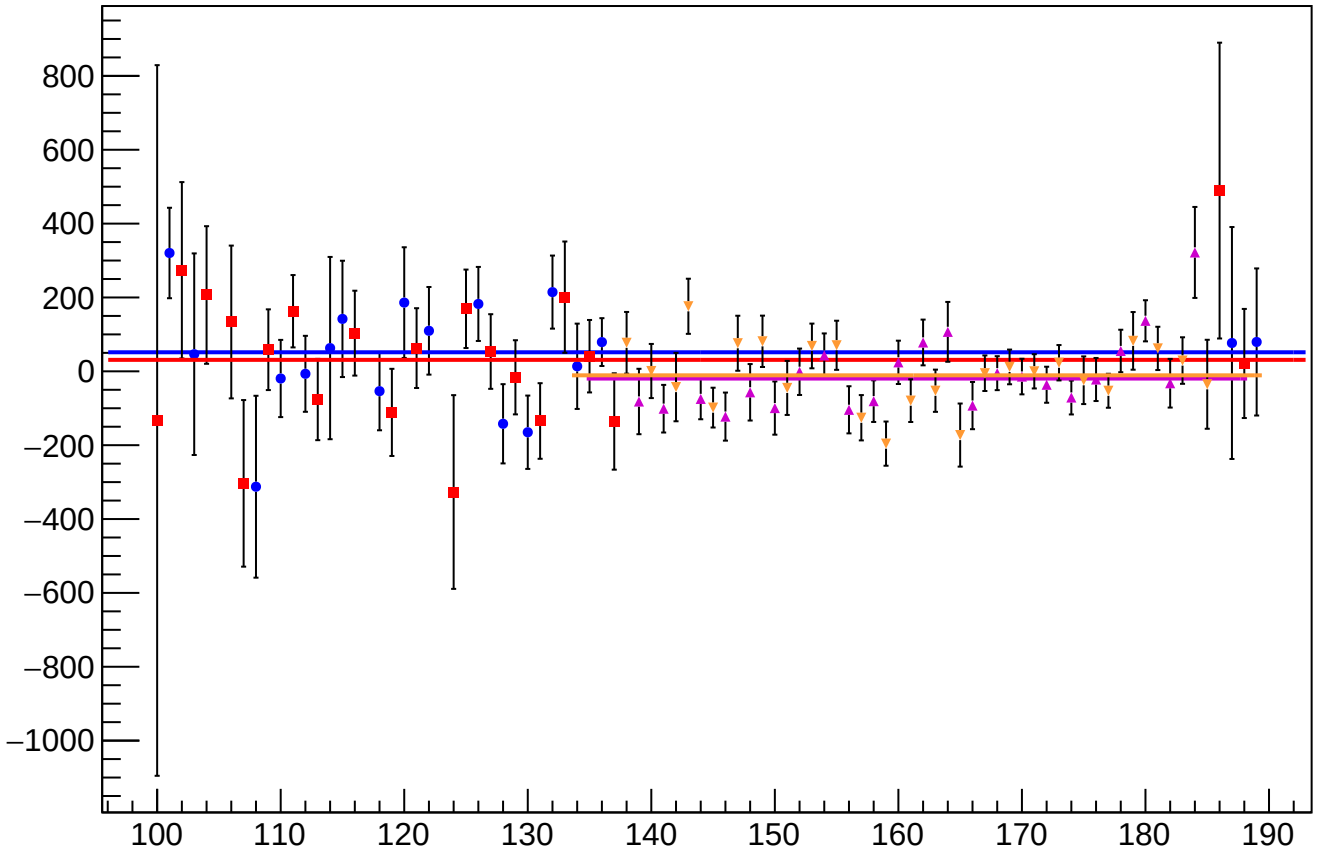
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 611.322+/-0.109 χ^2/NDF: 1910432.1/38

In: 268.182+/-0.041 χ^2/NDF:8209658.5/40

Out: 272.330+/-0.040 χ^2/NDF:9585219.1/45

All: 270.291+/-0.028 χ^2/NDF: 17800188.8/86



Right In: 51.608+/-27.923 χ^2/NDF: 22.9/17

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.052+/-28.301 χ^2/NDF: 19.8/20

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

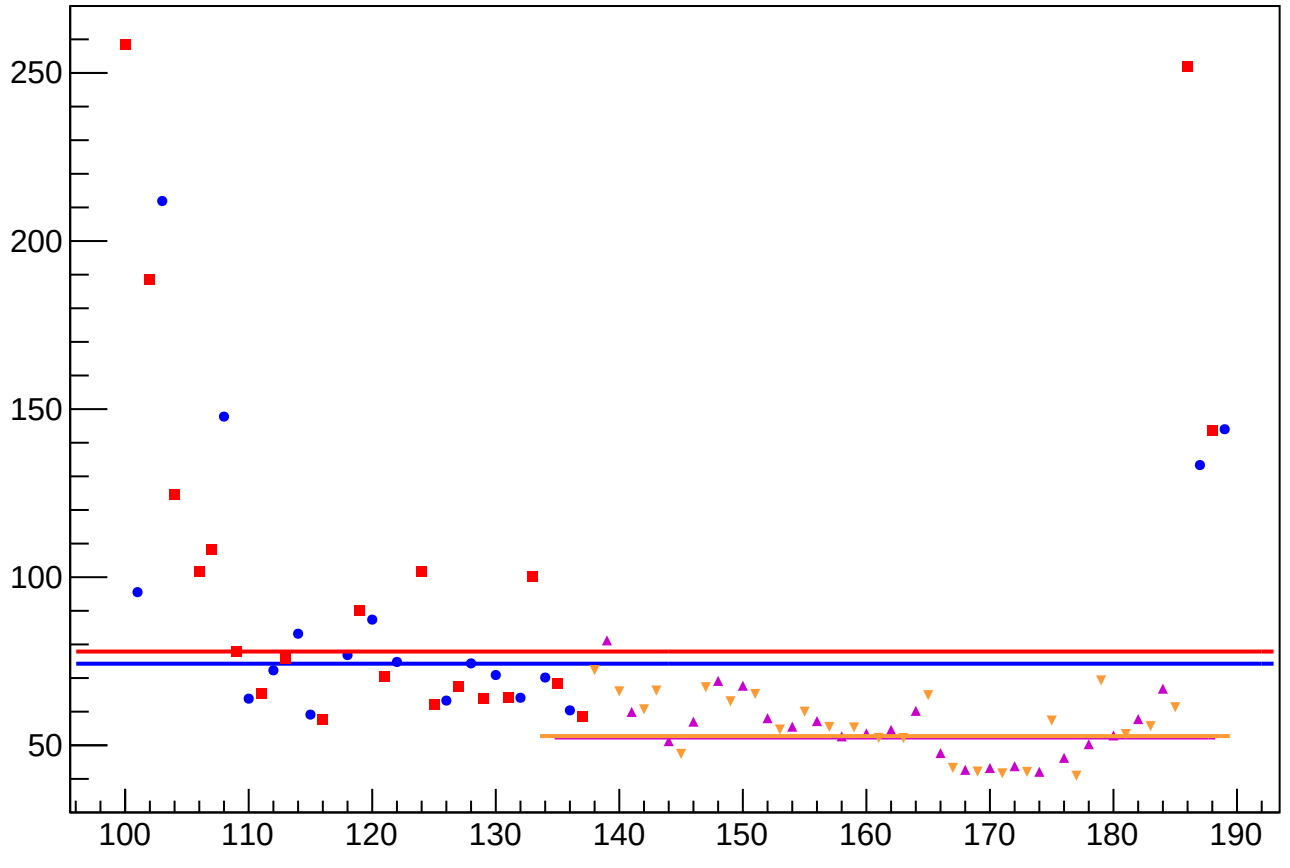
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 41.468+/-19.877 χ^2/NDF: 43.0/38

In: -7.638+/-11.444 χ^2/NDF:65.1/40

Out: -4.164+/-11.285 χ^2/NDF:62.1/45

All: -5.877+/-8.035 χ^2/NDF: 127.2/86



Right In: 74.268+/-0.020 χ^2/NDF: 1263190.4/17

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 77.886+/-0.020 χ^2/NDF: 1853637.1/20

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

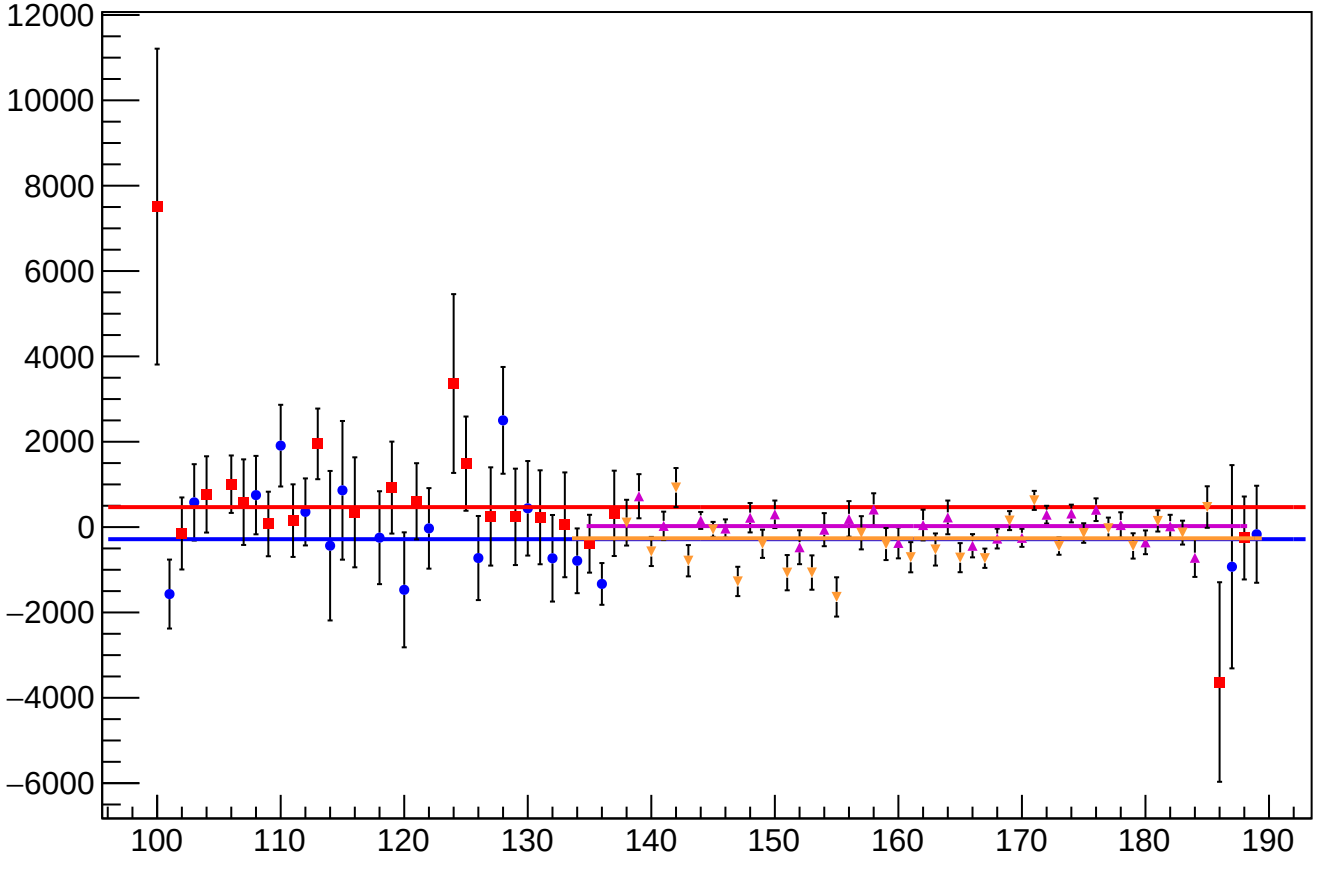
Right: 76.053+/-0.014 χ^2/NDF: 3133391.4/38

In: 56.001+/-0.008 χ^2/NDF:3183715.9/40

Out: 56.731+/-0.008 χ^2/NDF:4349723.0/45

All: 56.371+/-0.006 χ^2/NDF: 7537561.8/86

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -283.303+/-222.374 χ^2/NDF: 22.9/17

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 468.074+/-214.500 χ^2/NDF: 17.0/20

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

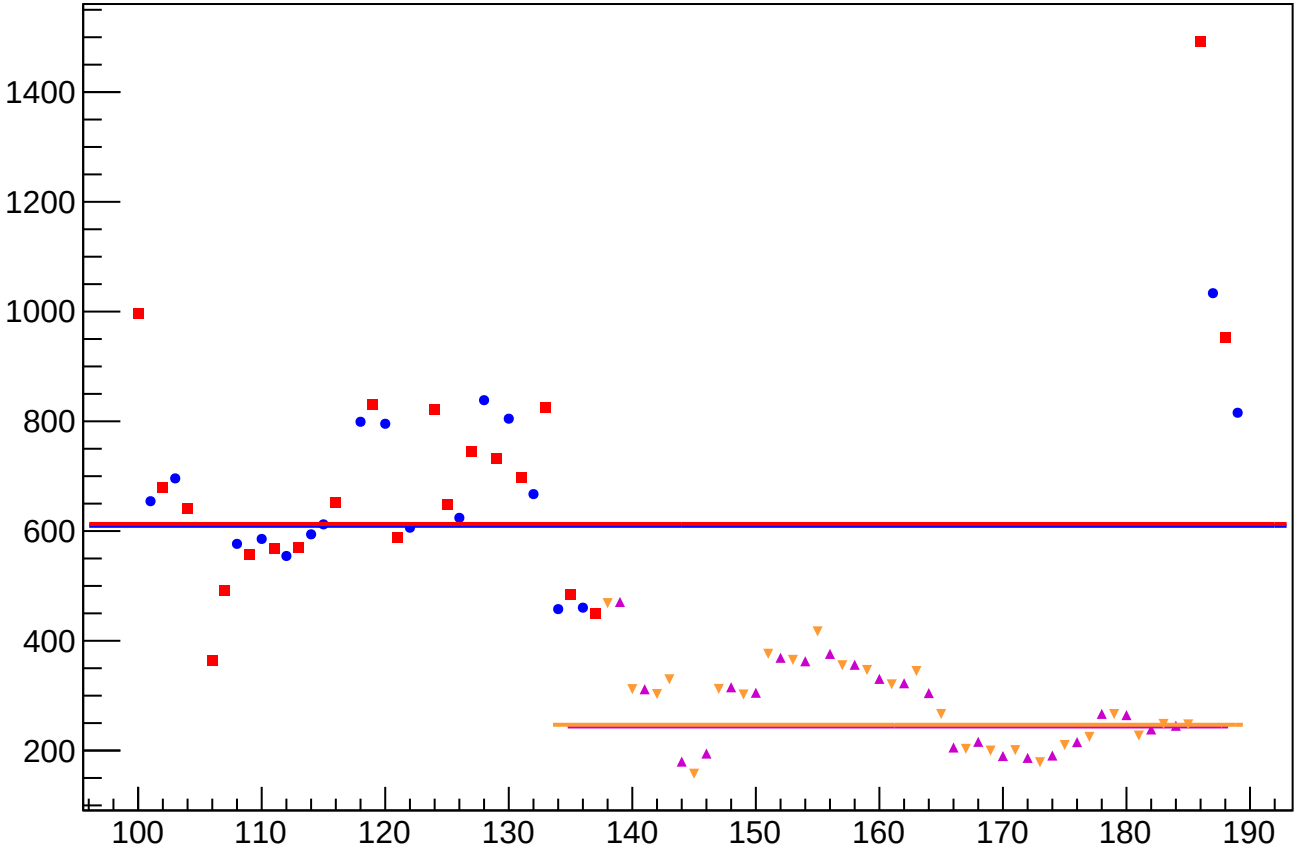
Right: 105.922+/-154.383 χ^2/NDF: 45.8/38

In: 3.040+/-57.385 χ^2/NDF:48.8/40

Out: -211.997+/-56.439 χ^2/NDF:100.0/45

All: -106.264+/-40.239 χ^2/NDF: 156.0/86

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 609.590+/-0.157 χ^2/NDF: 668556.3/17

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 612.933+/-0.152 χ^2/NDF: 1241633.9/20

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

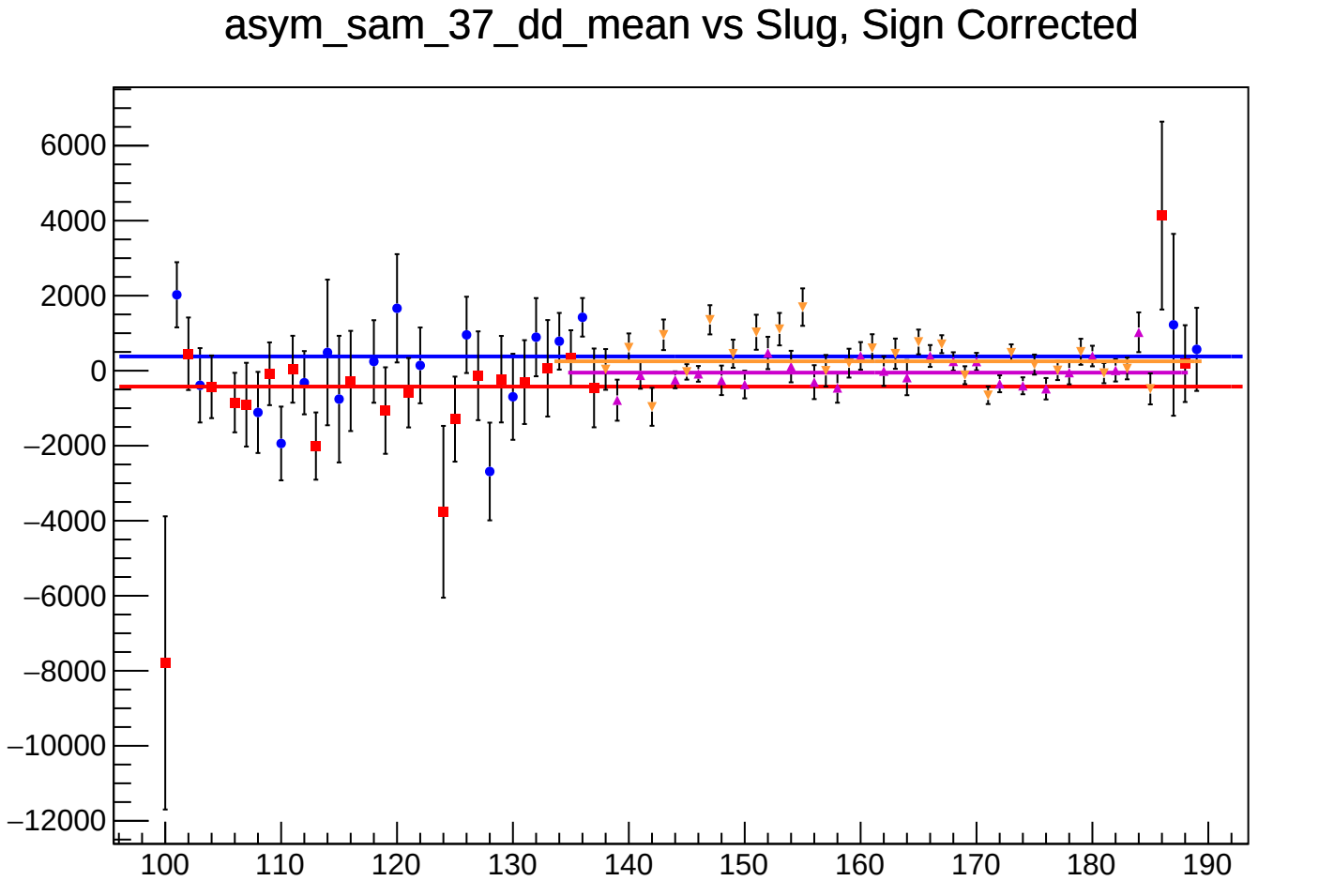
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 611.322+/-0.109 χ^2/NDF: 1910424.3/38

In: 268.182+/-0.041 χ^2/NDF:8209659.9/40

Out: 272.330+/-0.040 χ^2/NDF:9585201.7/45

All: 270.291+/-0.028 χ^2/NDF: 17800173.2/86



Right In: 379.585+/-233.747 χ^2/NDF: 25.2/17

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -423.593+/-229.032 χ^2/NDF: 16.5/20

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

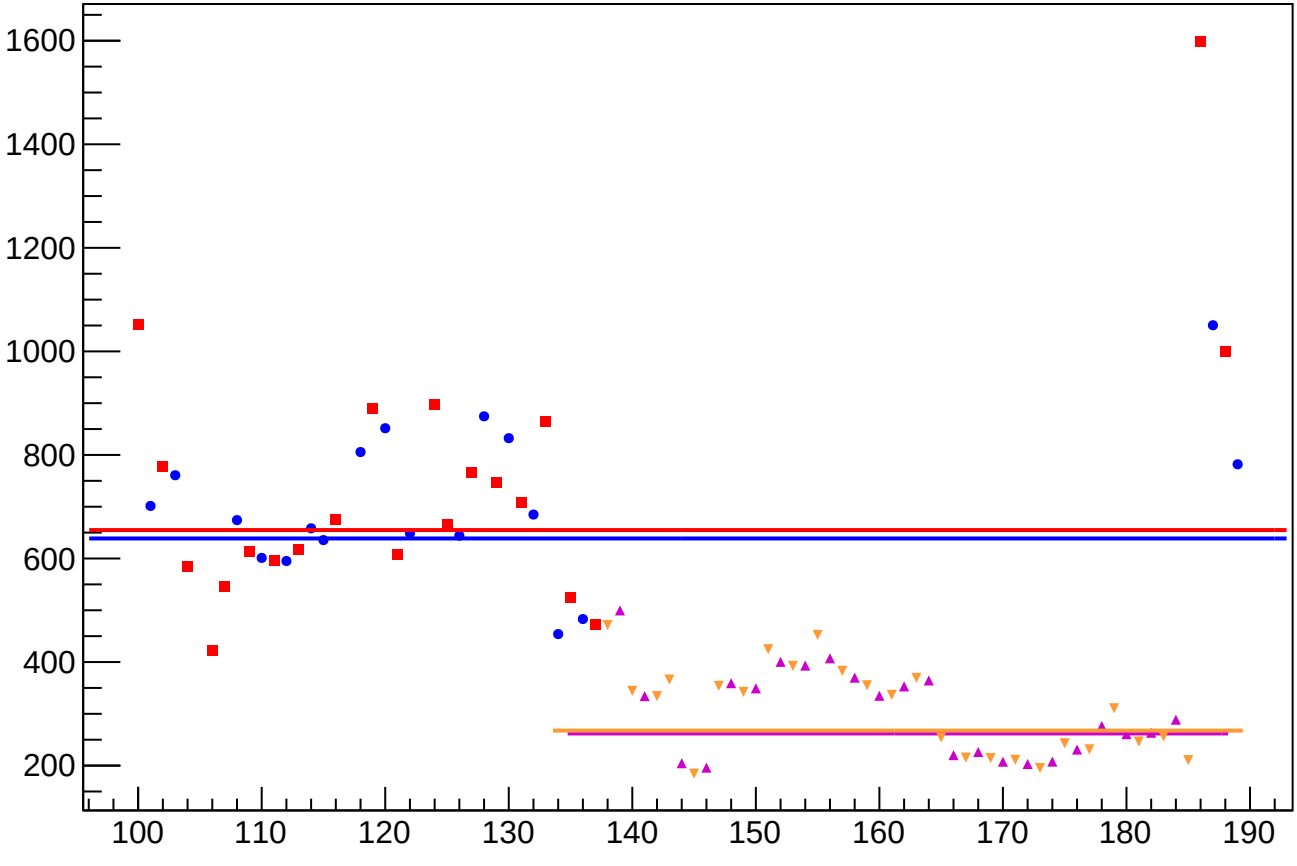
Right: -30.186+/-163.592 χ^2/NDF: 47.7/38

In: -21.766+/-61.587 χ^2/NDF:55.2/40

Out: 203.055+/-61.123 χ^2/NDF:92.1/45

All: 91.494+/-43.384 χ^2/NDF: 154.0/86

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 638.684+/-0.165 χ^2/NDF: 661995.0/17

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 654.939+/-0.162 χ^2/NDF: 1106844.5/20

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

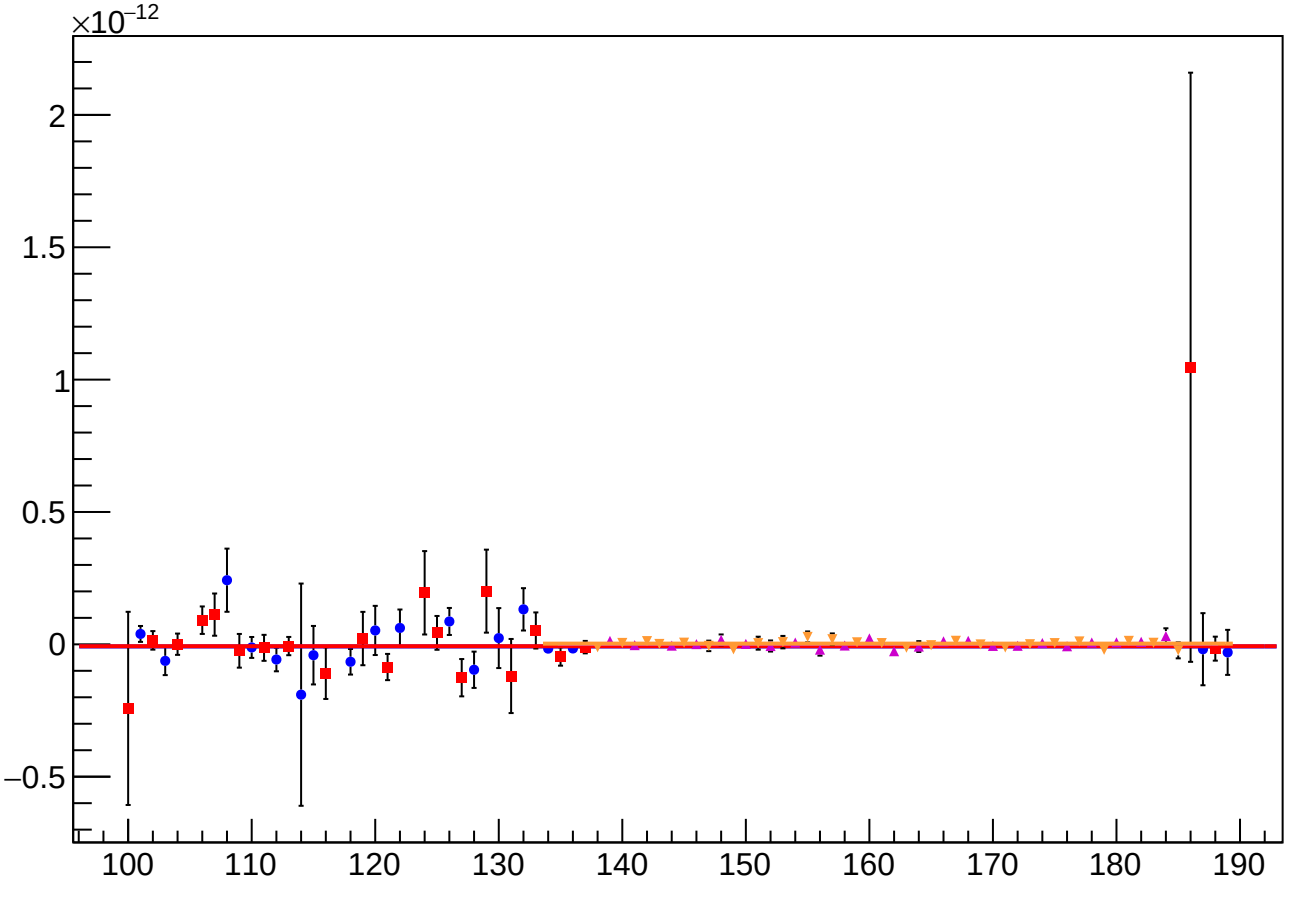
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 646.977+/-0.116 χ^2/NDF: 1773774.2/38

In: 288.236+/-0.044 χ^2/NDF:8030412.5/40

Out: 295.177+/-0.043 χ^2/NDF:9221499.0/45

All: 291.733+/-0.031 χ^2/NDF: 17264711.6/86



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/20

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

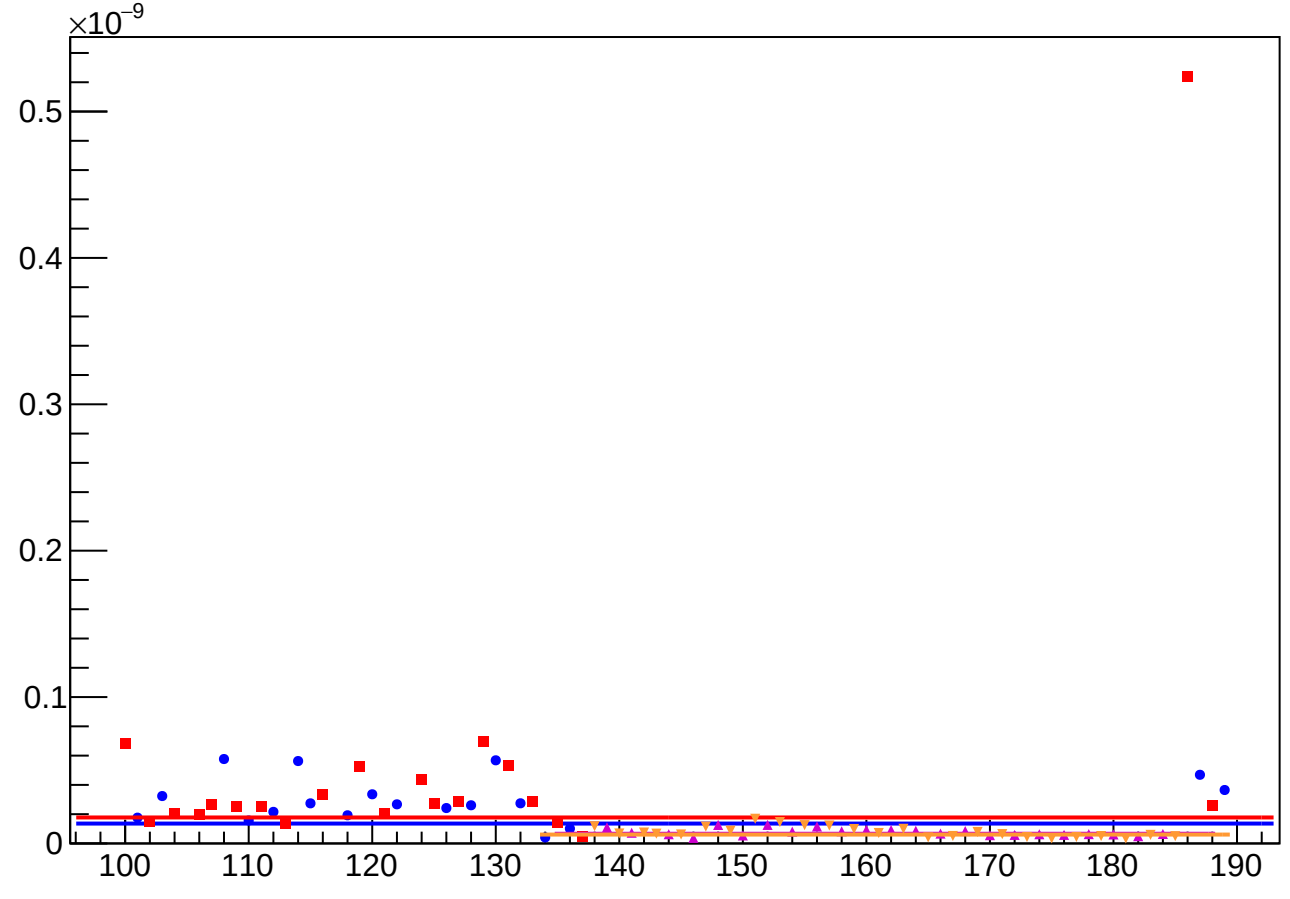
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 42.0/38

In: 0.000+/-0.000 χ^2/NDF:34.2/40

Out: 0.000+/-0.000 χ^2/NDF:36.8/45

All: 0.000+/-0.000 χ^2/NDF: 71.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 2352165.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2132206.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

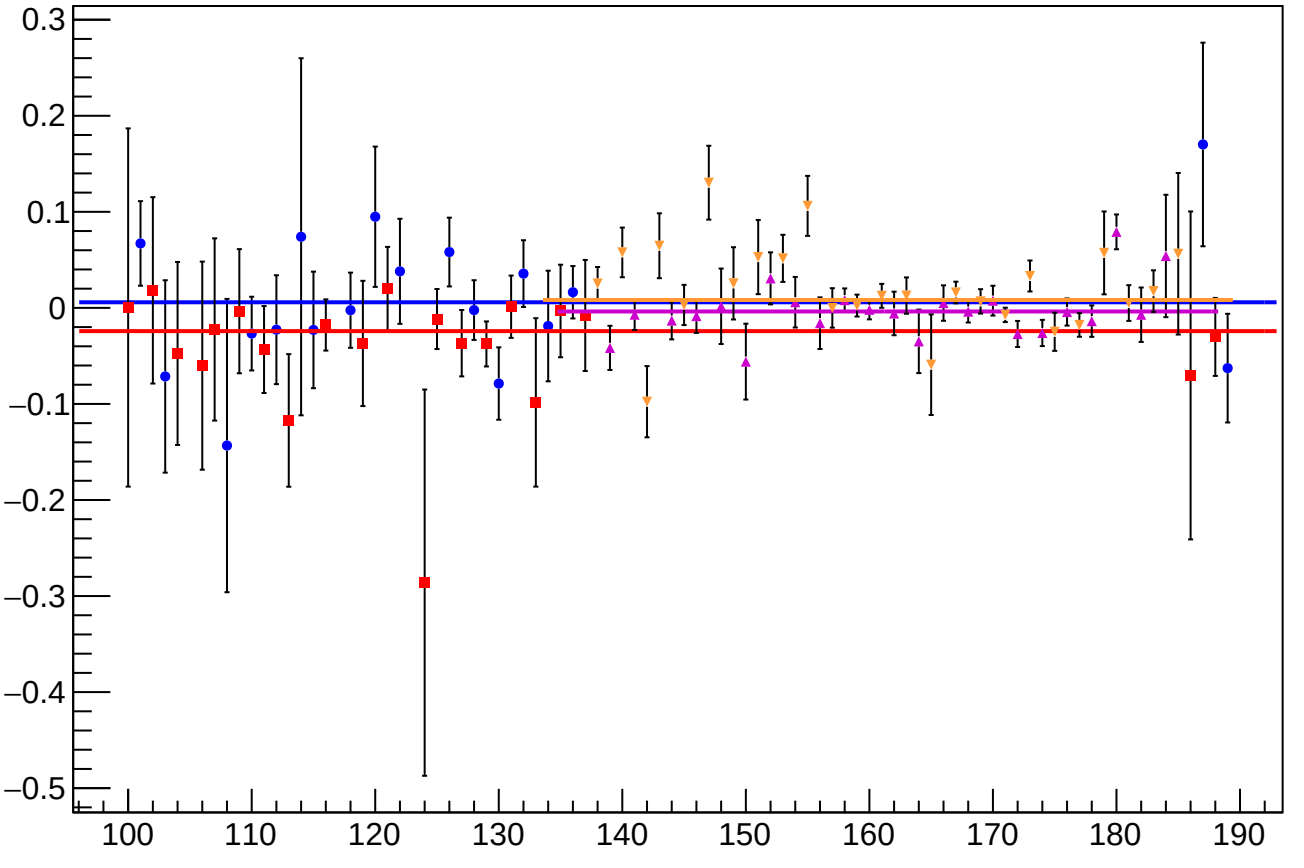
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4648538.4/38

In: 0.000+/-0.000 χ^2/NDF:4564444.2/40

Out: 0.000+/-0.000 χ^2/NDF:6628192.6/45

All: 0.000+/-0.000 χ^2/NDF: 11241342.2/86



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

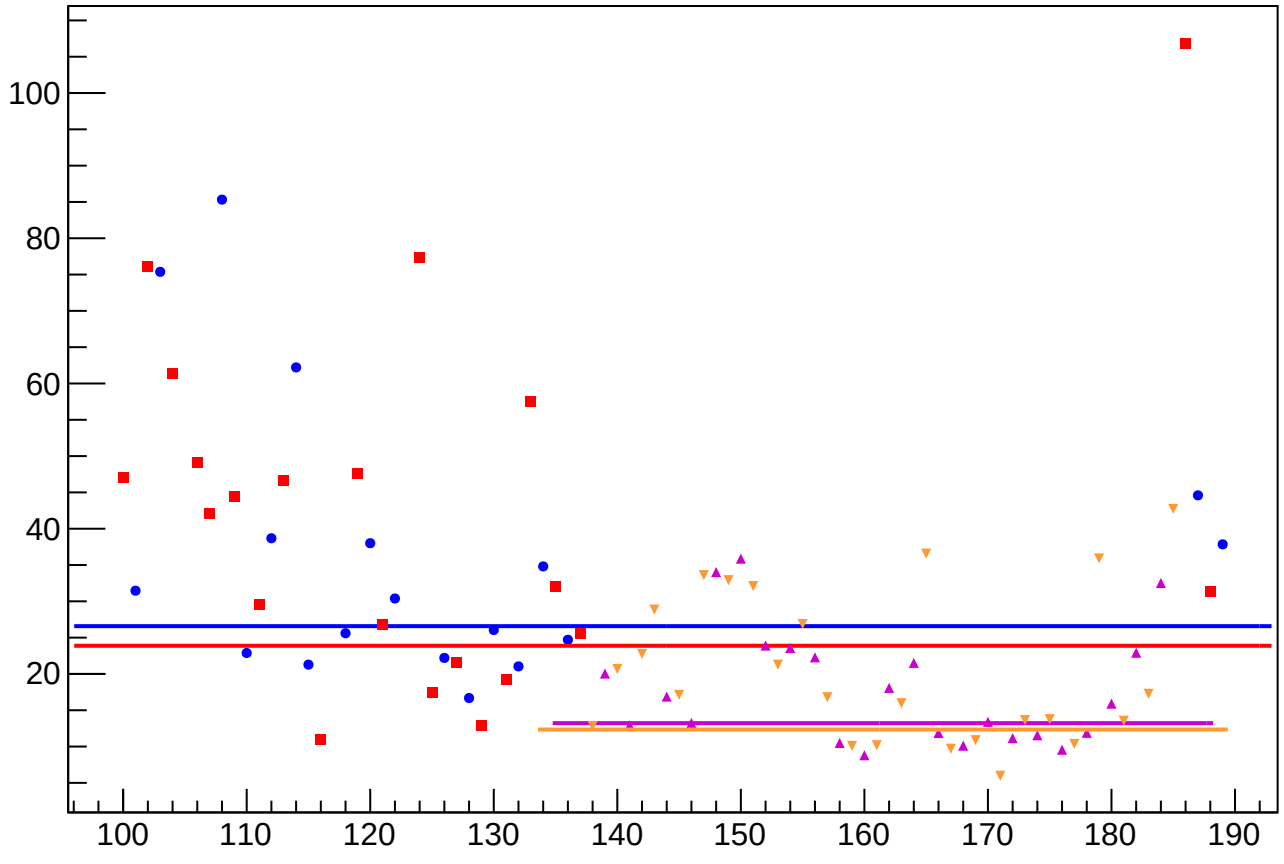
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.010+/-0.007 χ^2/NDF: 30.6/38

In: -0.003+/-0.003 χ^2/NDF:56.8/40

Out: 0.005+/-0.003 χ^2/NDF:75.6/45

All: 0.001+/-0.002 χ^2/NDF: 134.9/86



Right In: 26.580+/-0.008 χ^2/NDF: 1525206.2/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 23.880+/-0.007 χ^2/NDF: 3913068.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

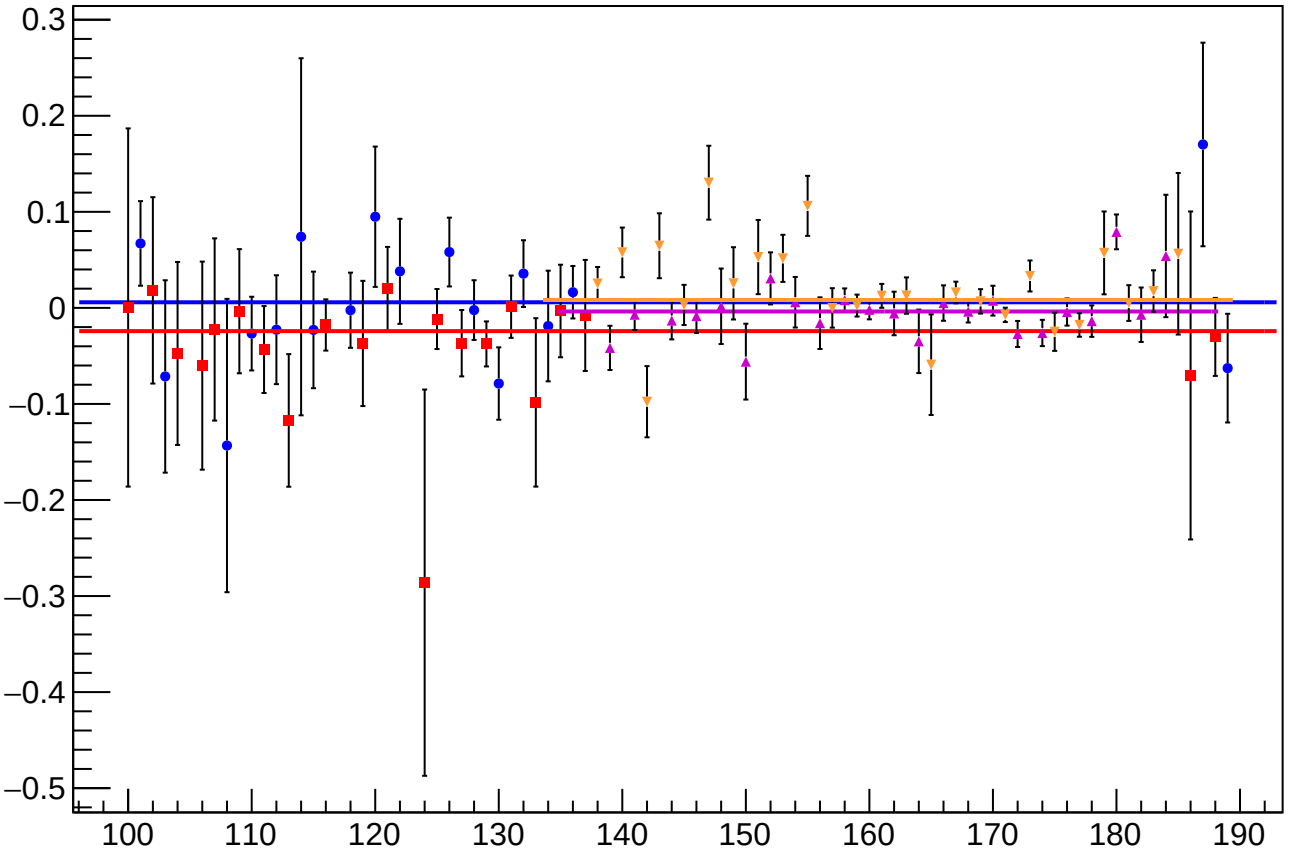
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 25.142+/-0.005 χ^2/NDF: 5504432.9/38

In: 14.575+/-0.002 χ^2/NDF:8127103.1/40

Out: 13.540+/-0.002 χ^2/NDF:12972981.6/45

All: 14.031+/-0.002 χ^2/NDF: 21195008.7/86



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

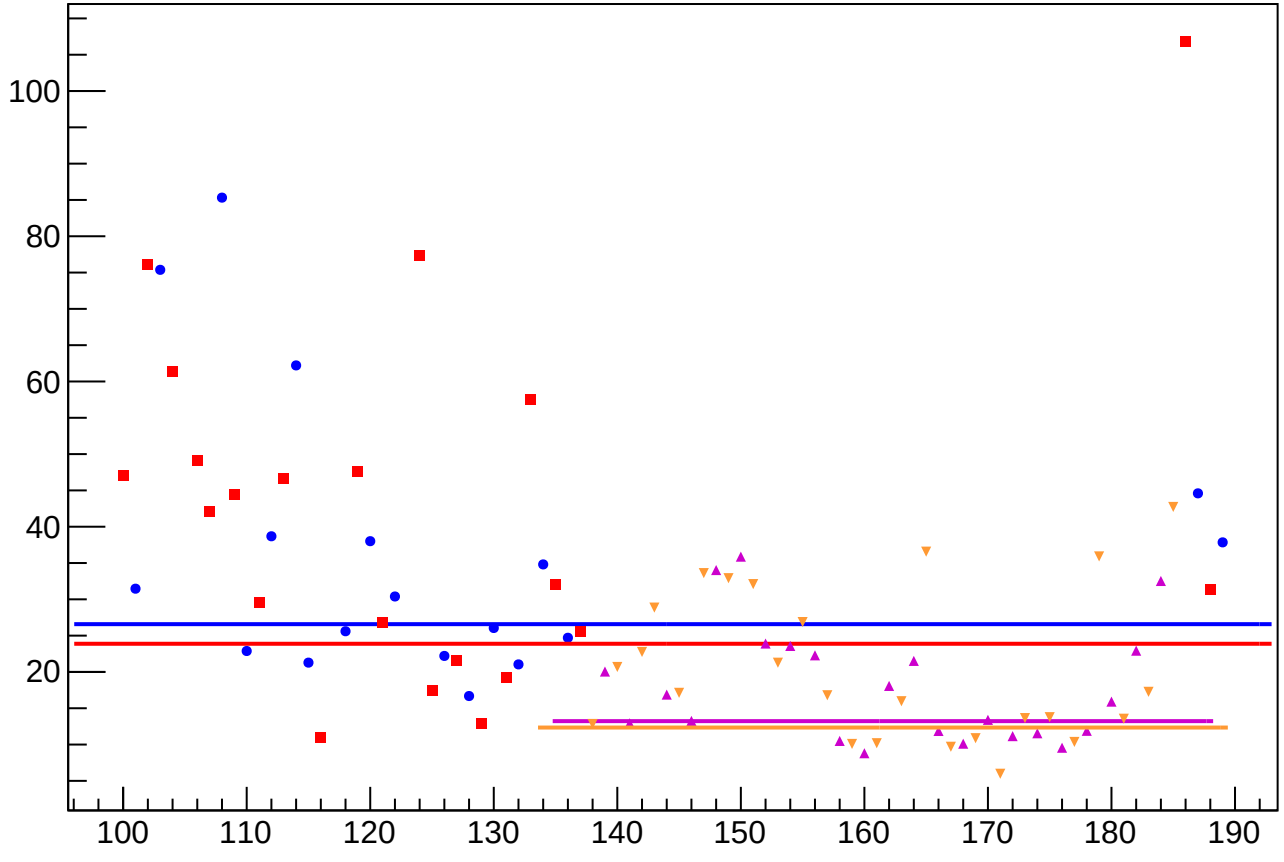
Right: -0.010+/-0.007 χ^2/NDF: 30.6/38

In: -0.003+/-0.003 χ^2/NDF:56.8/40

Out: 0.005+/-0.003 χ^2/NDF:75.6/45

All: 0.001+/-0.002 χ^2/NDF: 134.9/86

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.580+/-0.008 χ^2/NDF: 1525206.2/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 23.880+/-0.007 χ^2/NDF: 3913068.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

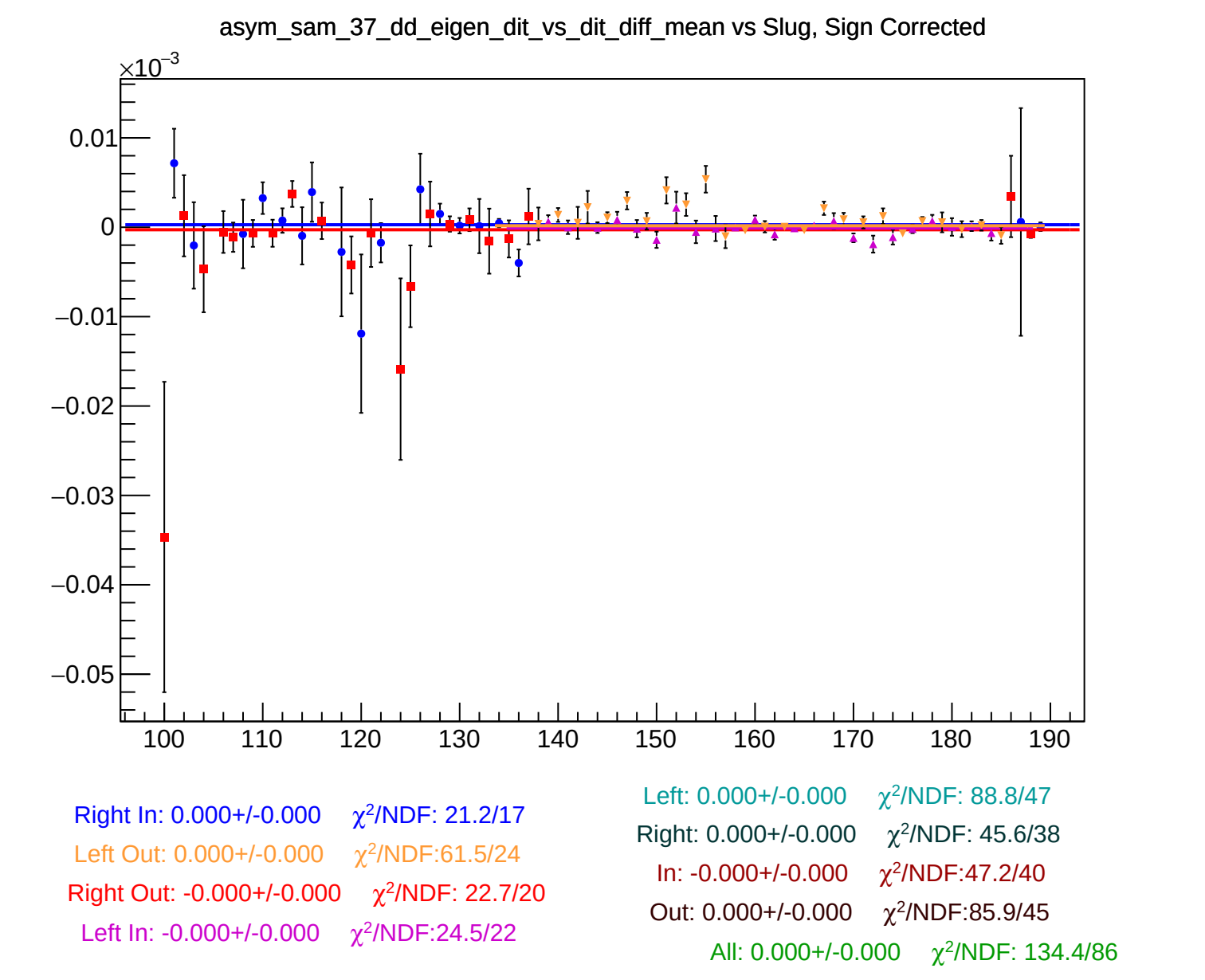
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

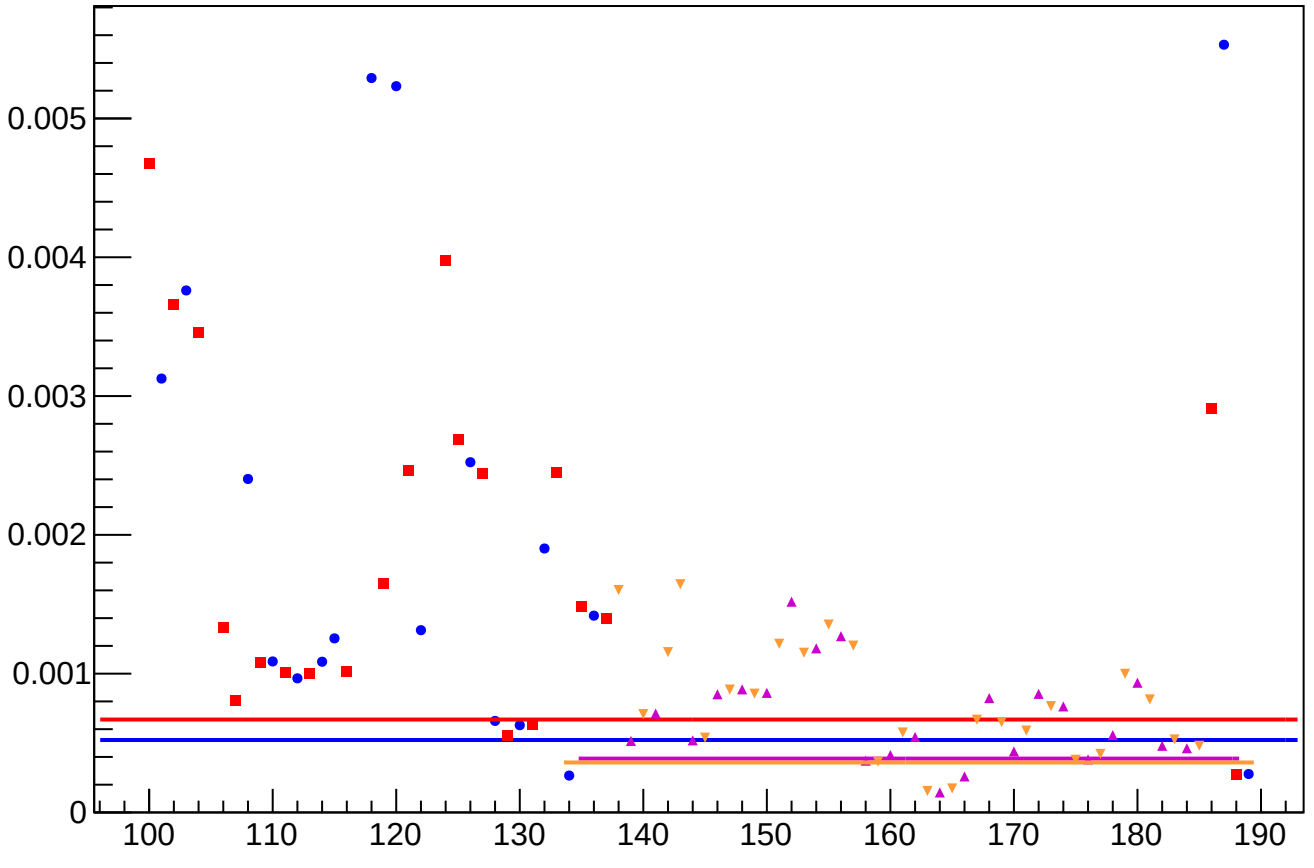
Right: 25.142+/-0.005 χ^2/NDF: 5504432.9/38

In: 14.575+/-0.002 χ^2/NDF:8127103.1/40

Out: 13.540+/-0.002 χ^2/NDF:12972981.6/45

All: 14.031+/-0.002 χ^2/NDF: 21195008.7/86


asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.2/17
Left Out: 0.000+/-0.000 χ²/NDF:61.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/20
Left In: -0.000+/-0.000 χ²/NDF:24.5/22
Left: 0.000+/-0.000 χ²/NDF: 88.8/47
Right: 0.000+/-0.000 χ²/NDF: 45.6/38
In: -0.000+/-0.000 χ²/NDF:47.2/40
Out: 0.000+/-0.000 χ²/NDF:85.9/45
All: 0.000+/-0.000 χ²/NDF: 134.4/86



Right In: 0.001+/-0.000 χ^2/NDF: 7678598.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6823488.5/20

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

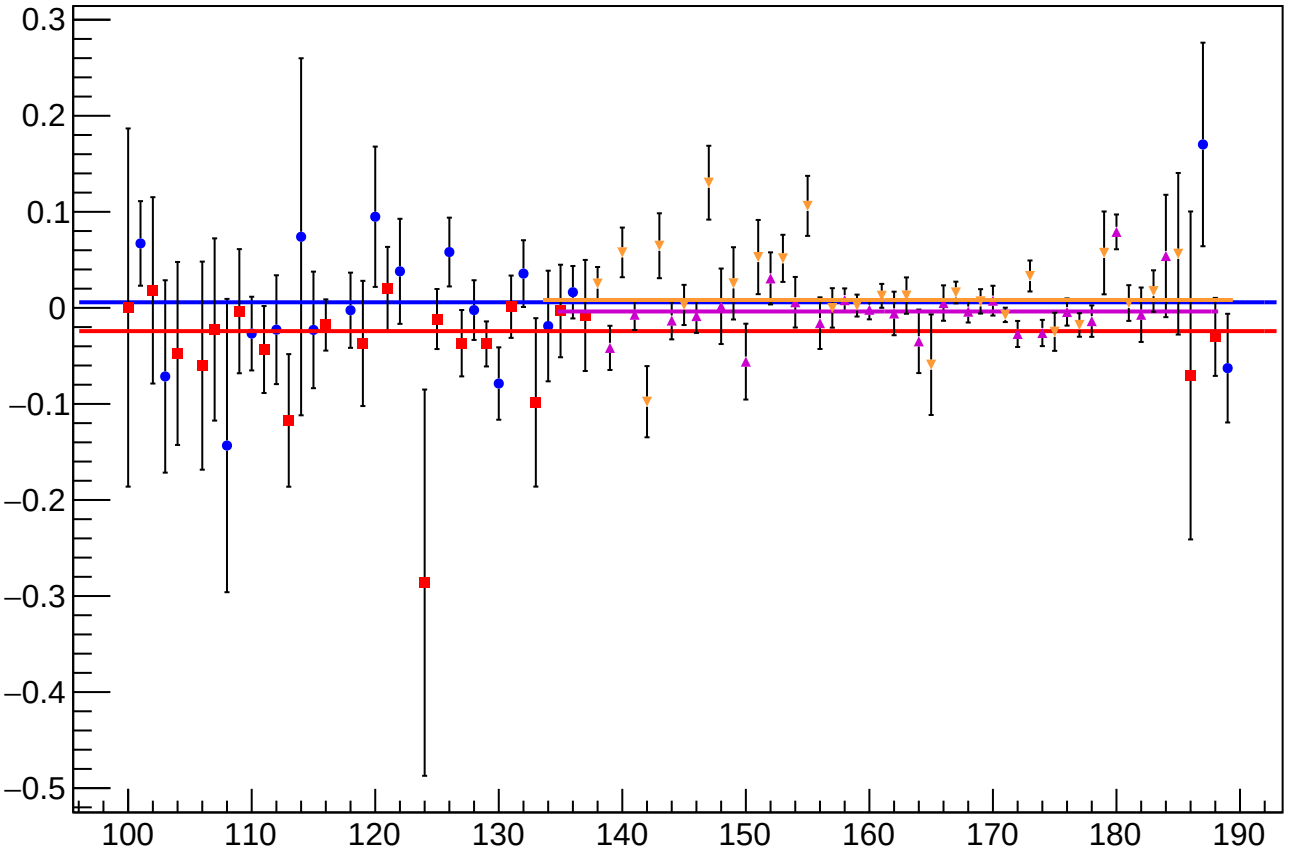
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 14742468.9/38

In: 0.000+/-0.000 χ^2/NDF:18541842.1/40

Out: 0.000+/-0.000 χ^2/NDF:22502470.9/45

All: 0.000+/-0.000 χ^2/NDF: 41073629.0/86



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

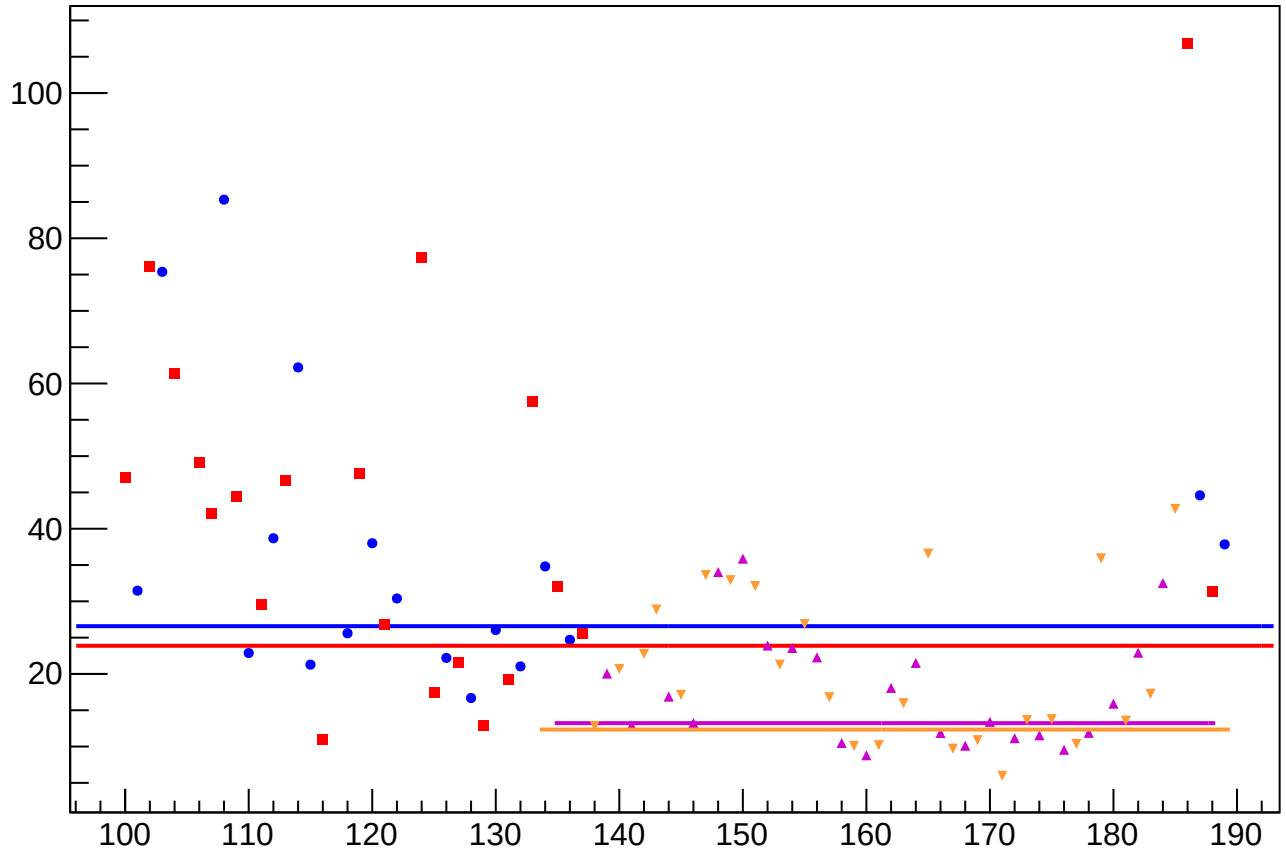
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.010+/-0.007 χ^2/NDF: 30.6/38

In: -0.003+/-0.003 χ^2/NDF:56.8/40

Out: 0.005+/-0.003 χ^2/NDF:75.6/45

All: 0.001+/-0.002 χ^2/NDF: 134.9/86



Right In: 26.581+/-0.008 χ^2/NDF: 1525148.8/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 23.881+/-0.007 χ^2/NDF: 3912876.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

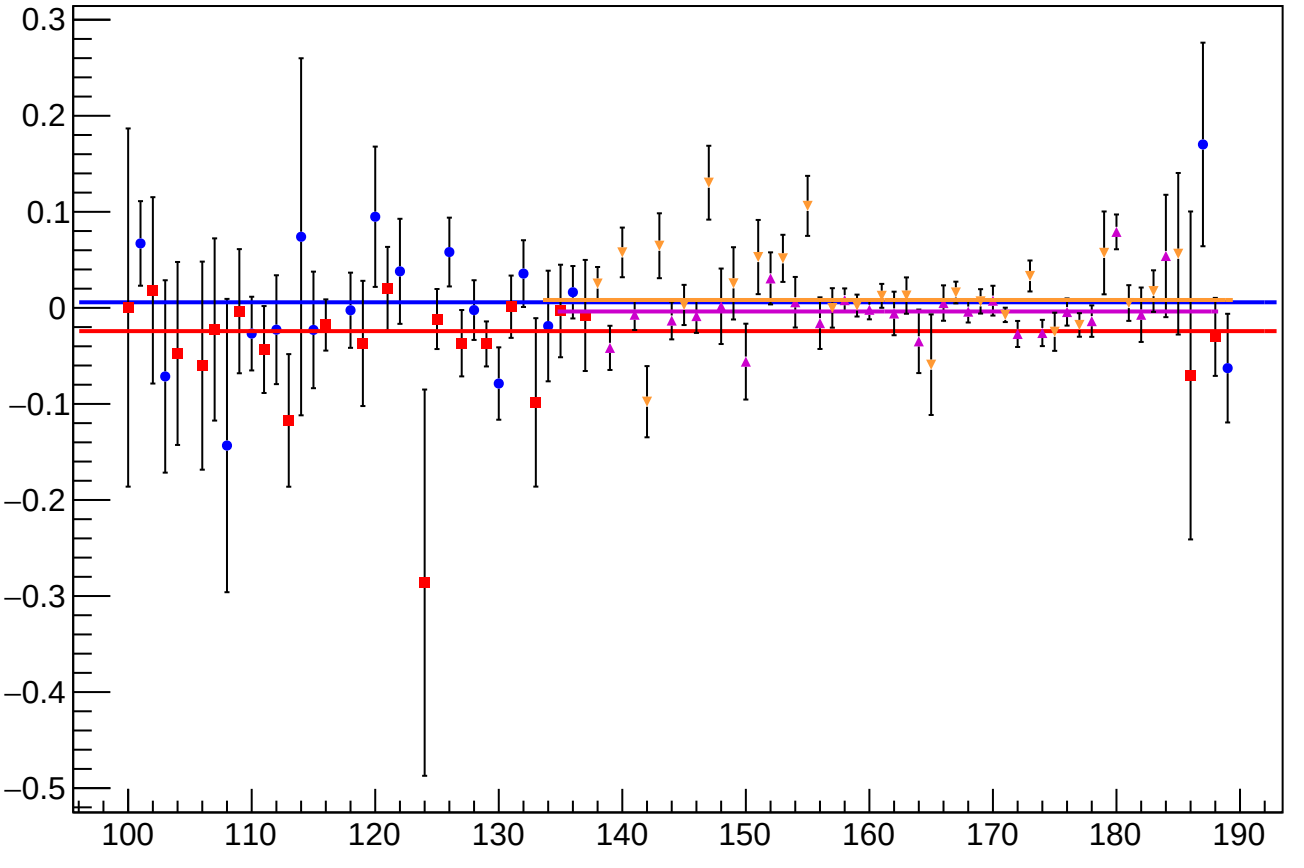
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 25.143+/-0.005 χ^2/NDF: 5504176.4/38

In: 14.575+/-0.002 χ^2/NDF:8127289.4/40

Out: 13.541+/-0.002 χ^2/NDF:12973122.5/45

All: 14.031+/-0.002 χ^2/NDF: 21195325.9/86



Right In: 0.006+/-0.011 χ^2/NDF: 18.9/17

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

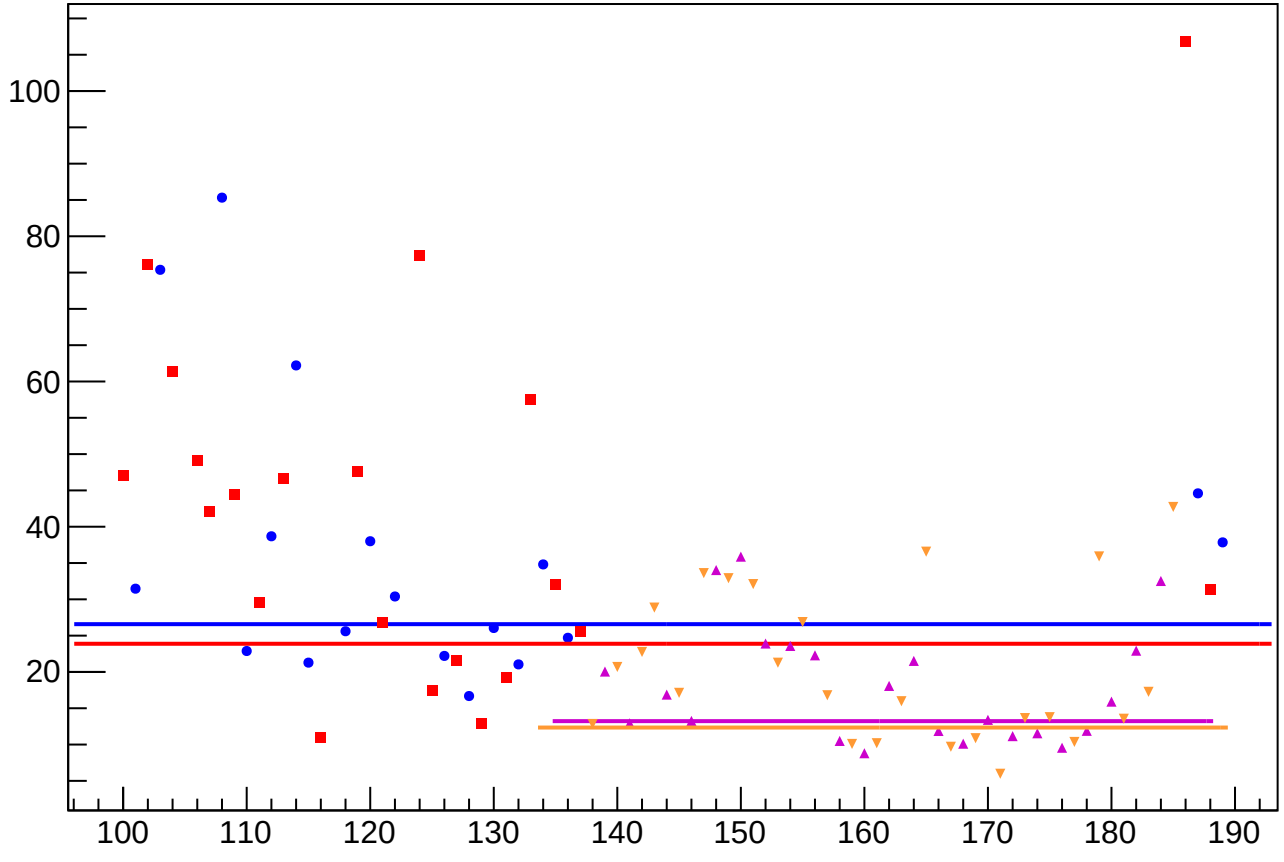
Right: -0.010+/-0.007 χ^2/NDF: 30.6/38

In: -0.003+/-0.003 χ^2/NDF:56.8/40

Out: 0.005+/-0.003 χ^2/NDF:75.6/45

All: 0.001+/-0.002 χ^2/NDF: 134.9/86

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.581+/-0.008 χ^2/NDF: 1525148.8/17

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 23.881+/-0.007 χ^2/NDF: 3912876.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

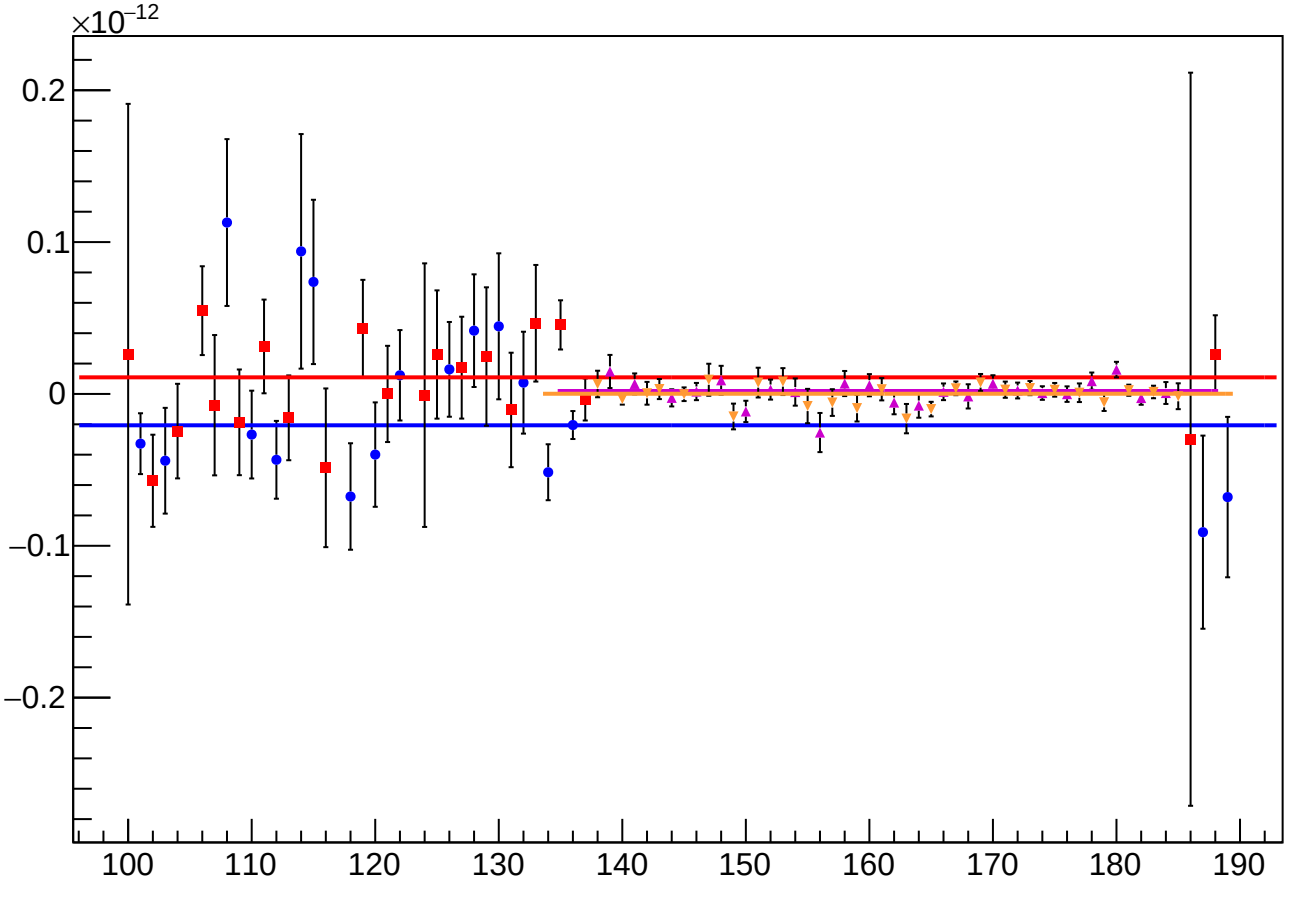
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 25.143+/-0.005 χ^2/NDF: 5504176.4/38

In: 14.575+/-0.002 χ^2/NDF:8127289.4/40

Out: 13.541+/-0.002 χ^2/NDF:12973122.5/45

All: 14.031+/-0.002 χ^2/NDF: 21195325.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/20

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

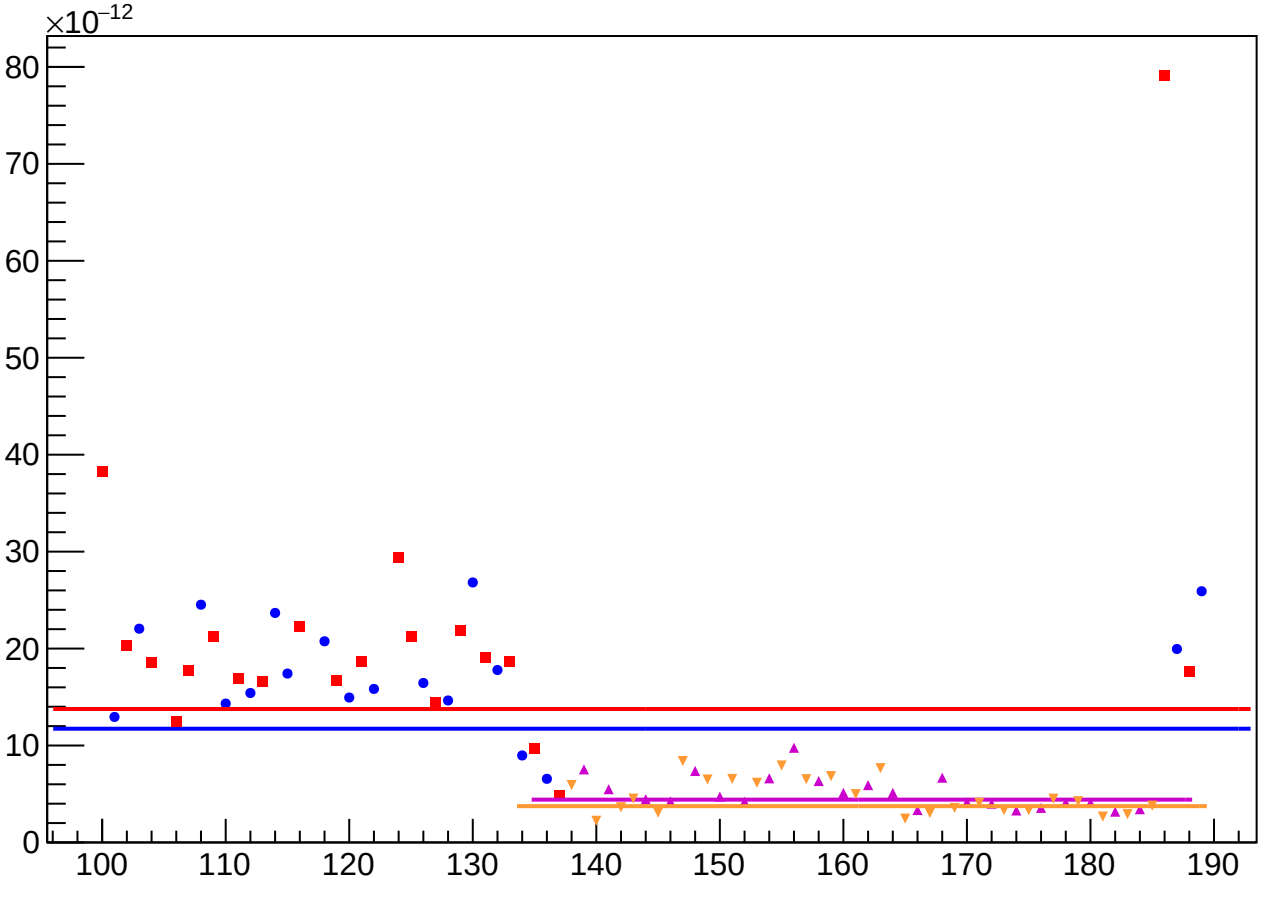
Right: -0.000+/-0.000 χ^2/NDF: 61.2/38

In: 0.000+/-0.000 χ^2/NDF:66.8/40

Out: 0.000+/-0.000 χ^2/NDF:44.9/45

All: 0.000+/-0.000 χ^2/NDF: 111.8/86

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1779853.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1870555.1/20

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

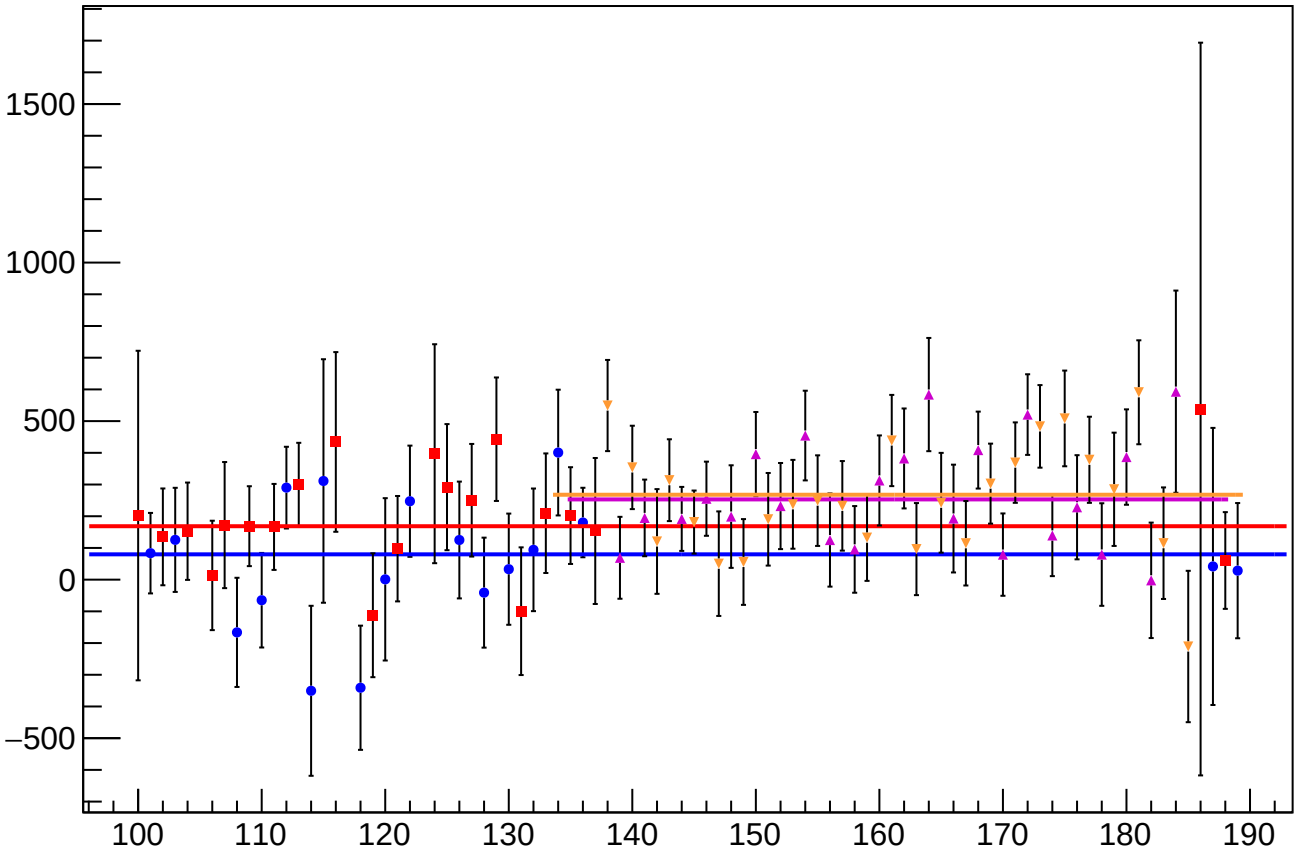
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3755880.6/38

In: 0.000+/-0.000 χ^2/NDF:6383904.4/40

Out: 0.000+/-0.000 χ^2/NDF:9493534.6/45

All: 0.000+/-0.000 χ^2/NDF: 16214158.8/86



Right In: 79.832+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 168.503+/-39.277 χ^2/NDF: 10.5/20

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

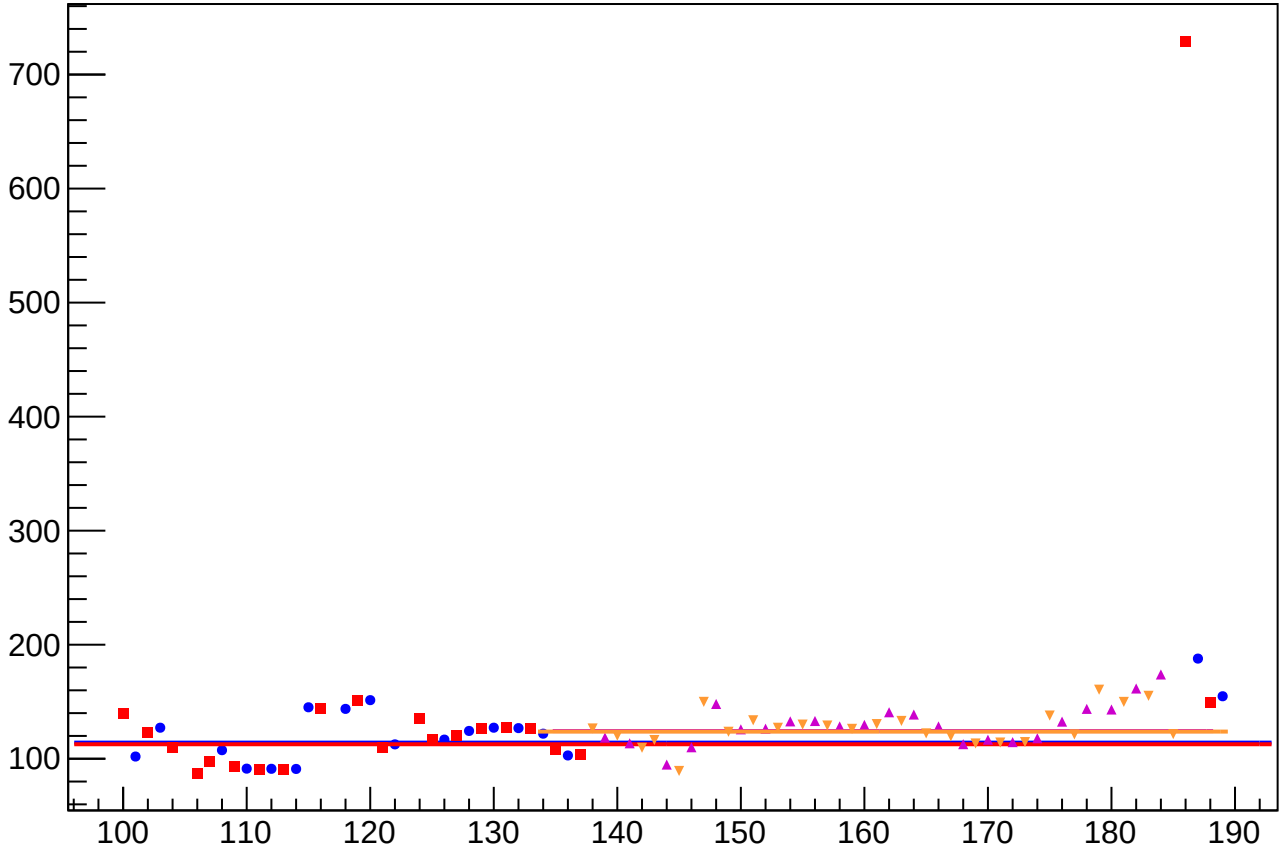
Right: 126.232+/-28.412 χ^2/NDF: 31.4/38

In: 194.740+/-23.875 χ^2/NDF:56.4/40

Out: 233.685+/-23.018 χ^2/NDF:45.7/45

All: 214.924+/-16.571 χ^2/NDF: 103.4/86

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 114.135+/-0.029 χ^2/NDF: 441431.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 112.704+/-0.028 χ^2/NDF: 1064565.8/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

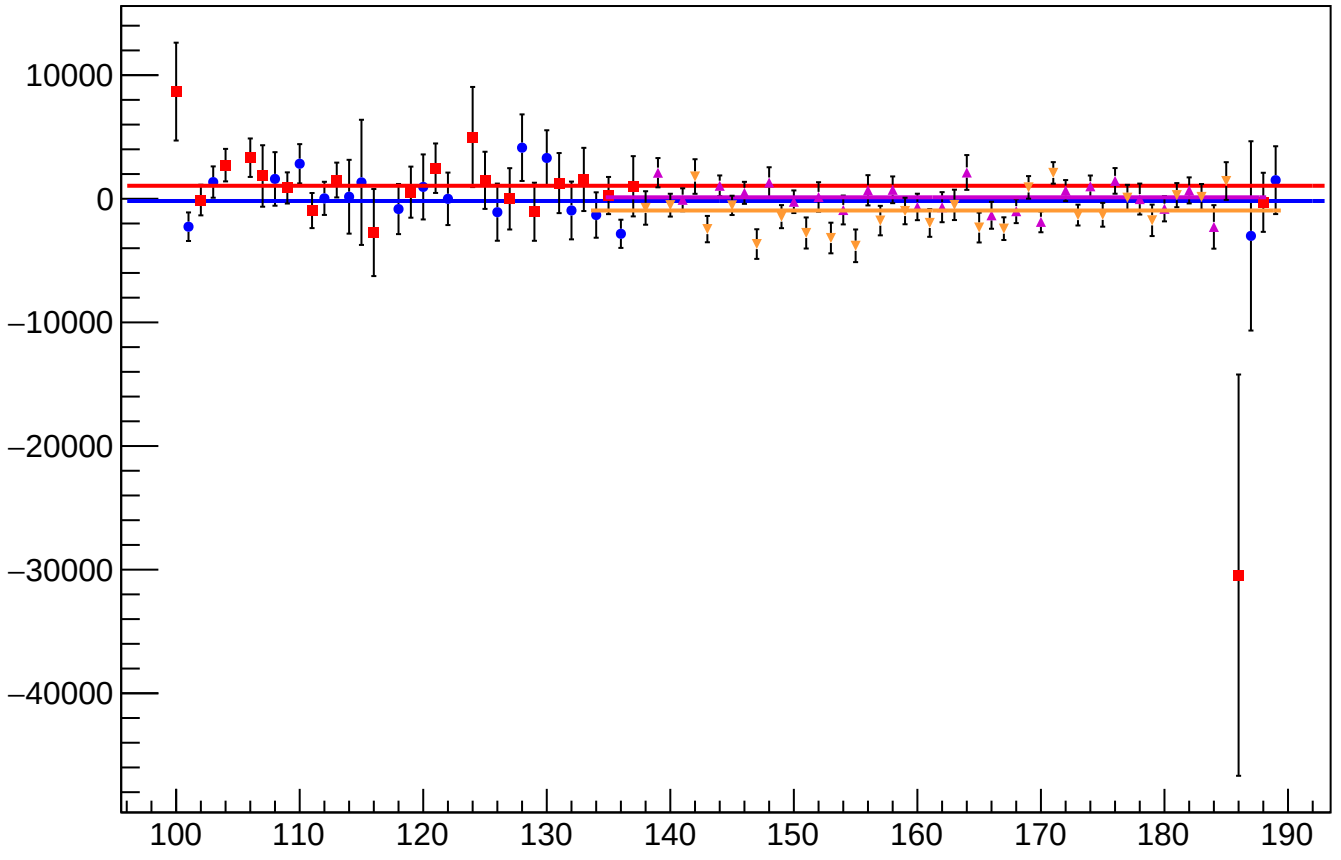
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 113.386+/-0.020 χ^2/NDF: 1507262.6/38

In: 120.851+/-0.017 χ^2/NDF:1078957.9/40

Out: 119.994+/-0.016 χ^2/NDF:1767957.0/45

All: 120.407+/-0.012 χ^2/NDF: 2848250.5/86



Right In: -179.564+/-437.544 χ^2/NDF: 21.0/17

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1051.375+/-416.425 χ^2/NDF: 18.6/20

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

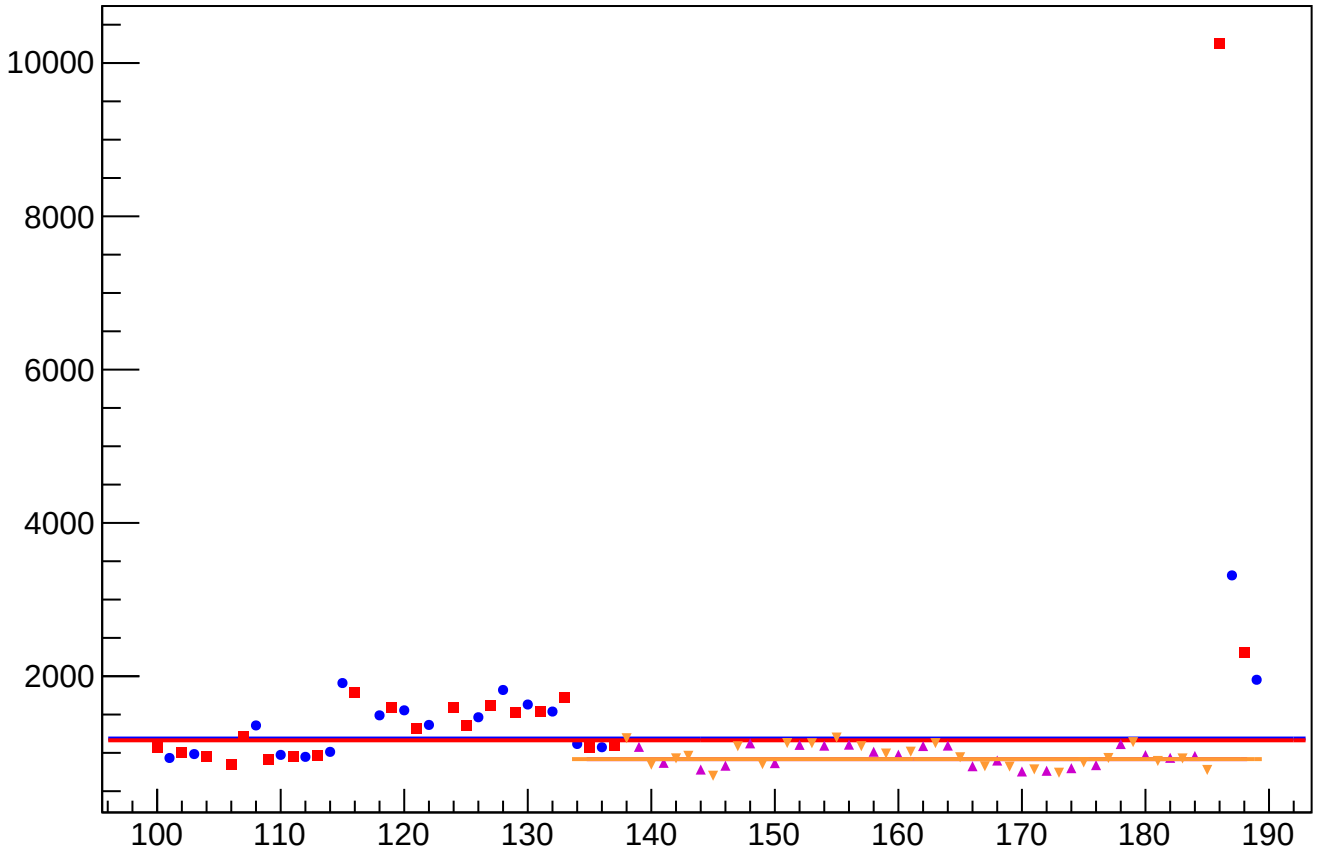
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 466.328+/-301.647 χ^2/NDF: 43.7/38

In: 59.533+/-194.524 χ^2/NDF:45.7/40

Out: -536.881+/-188.780 χ^2/NDF:87.2/45

All: -247.609+/-135.473 χ^2/NDF: 137.8/86



Right In: 1186.806+/-0.309 χ^2/NDF: 1002076.5/17

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1163.854+/-0.294 χ^2/NDF: 1889801.0/20

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

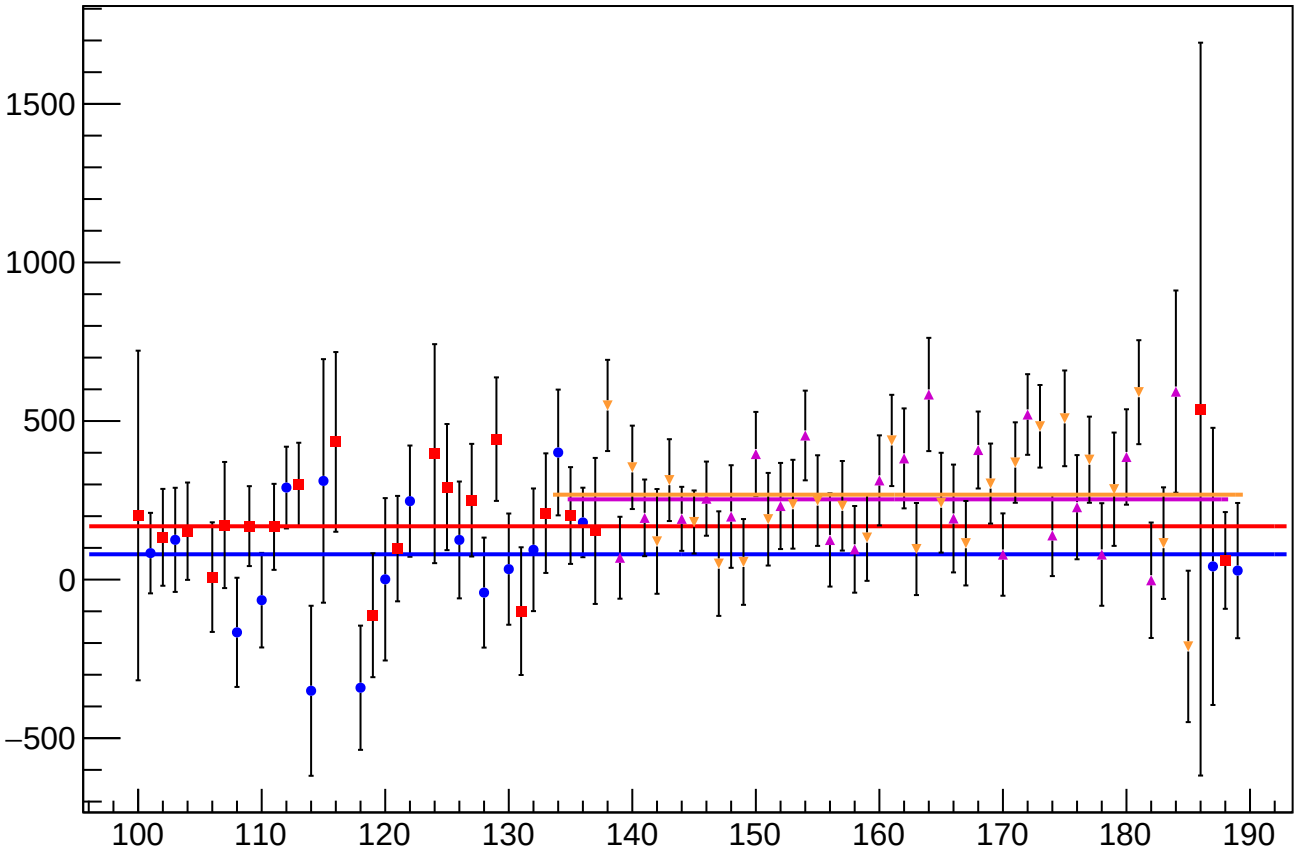
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1174.763+/-0.213 χ^2/NDF: 2894765.4/38

In: 971.302+/-0.138 χ^2/NDF:2273033.5/40

Out: 968.924+/-0.133 χ^2/NDF:3329220.2/45

All: 970.077+/-0.096 χ^2/NDF: 5602407.6/86



Right In: 79.822+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 168.133+/-39.282 χ^2/NDF: 10.6/20

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

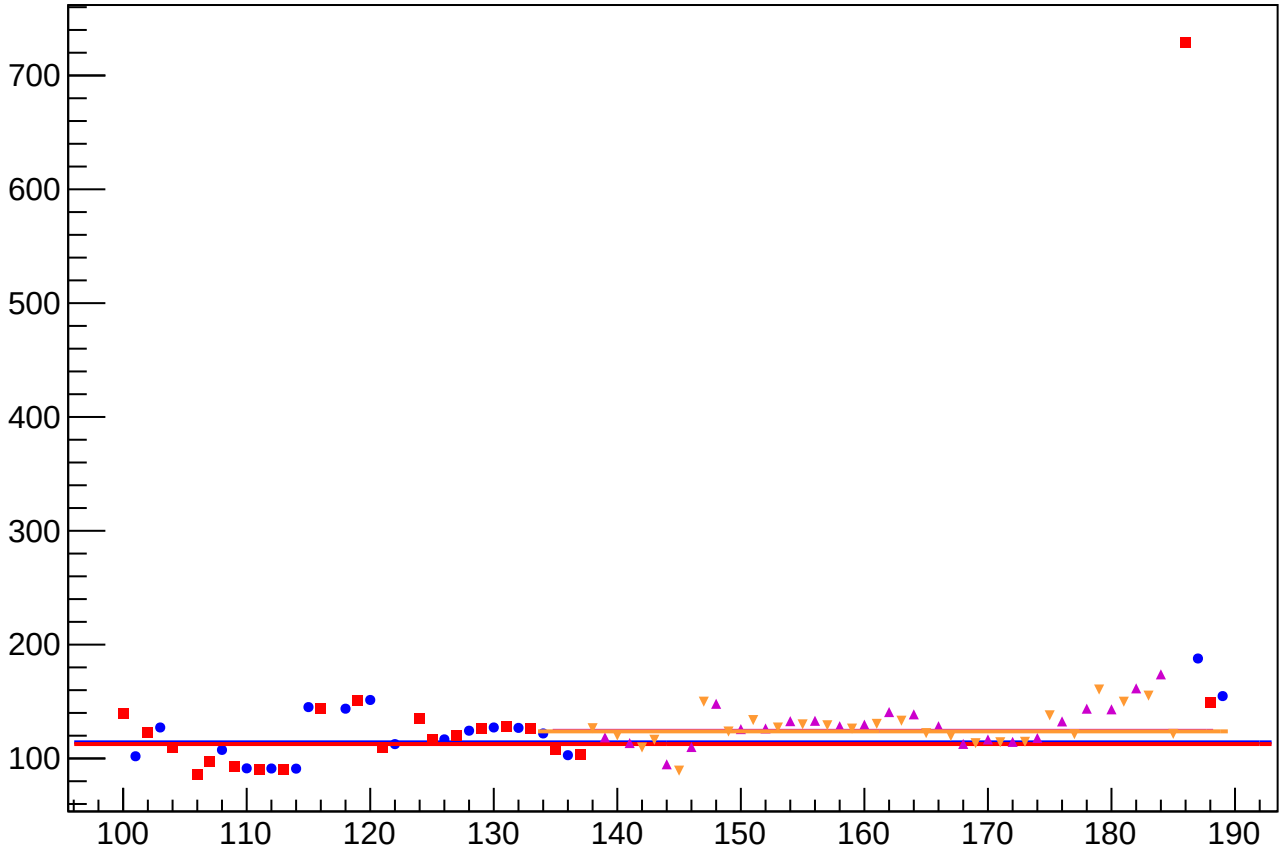
Right: 126.028+/-28.414 χ^2/NDF: 31.4/38

In: 194.739+/-23.875 χ^2/NDF:56.4/40

Out: 233.569+/-23.019 χ^2/NDF:45.8/45

All: 214.863+/-16.571 χ^2/NDF: 103.5/86

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 114.135+/-0.029 χ^2/NDF: 441432.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 112.652+/-0.028 χ^2/NDF: 1068510.4/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

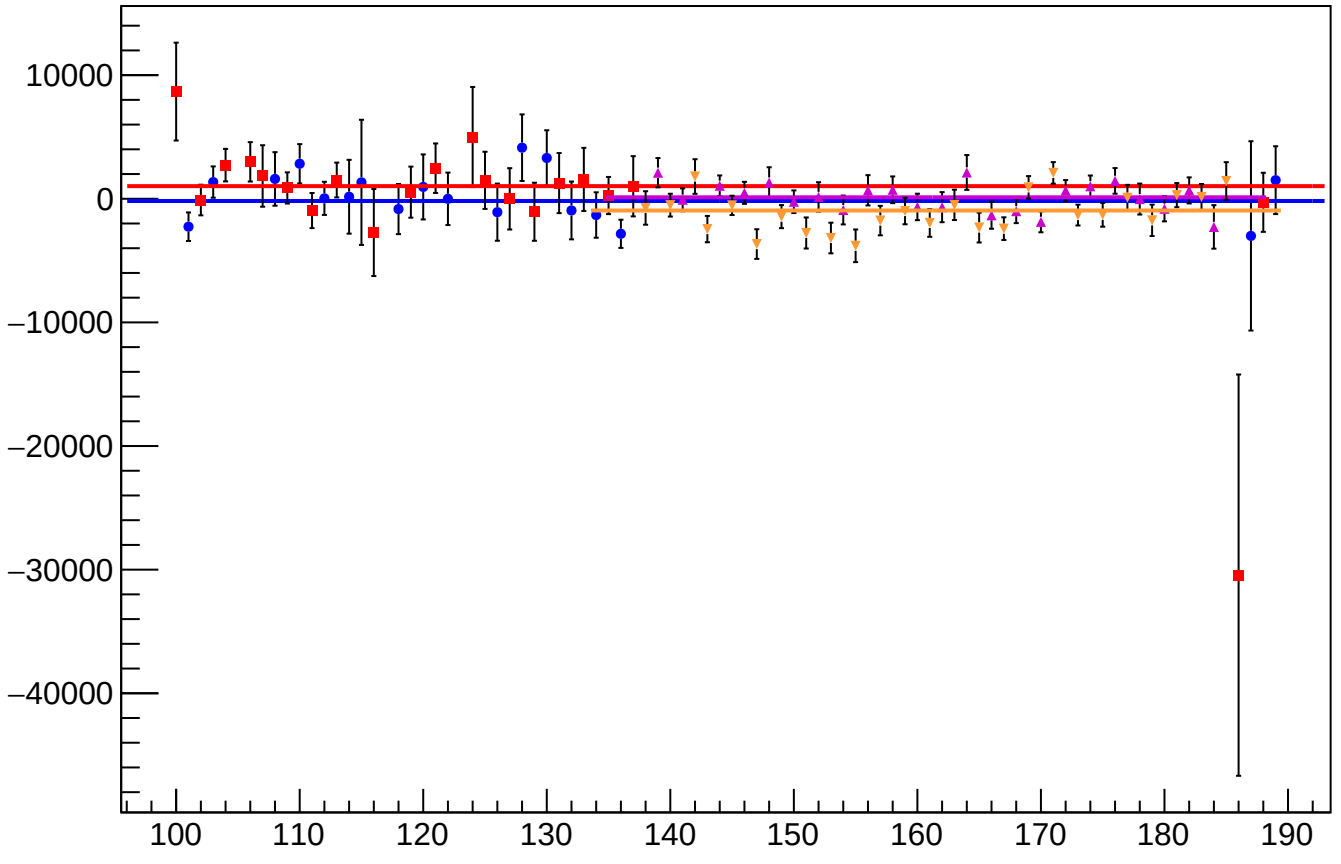
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 113.359+/-0.020 χ^2/NDF: 1511300.9/38

In: 120.851+/-0.017 χ^2/NDF:1078958.5/40

Out: 119.977+/-0.016 χ^2/NDF:1772859.5/45

All: 120.398+/-0.012 χ^2/NDF: 2853207.3/86



Right In: -179.650+/-437.547 χ^2/NDF: 21.0/17

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1021.360+/-417.127 χ^2/NDF: 18.0/20

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

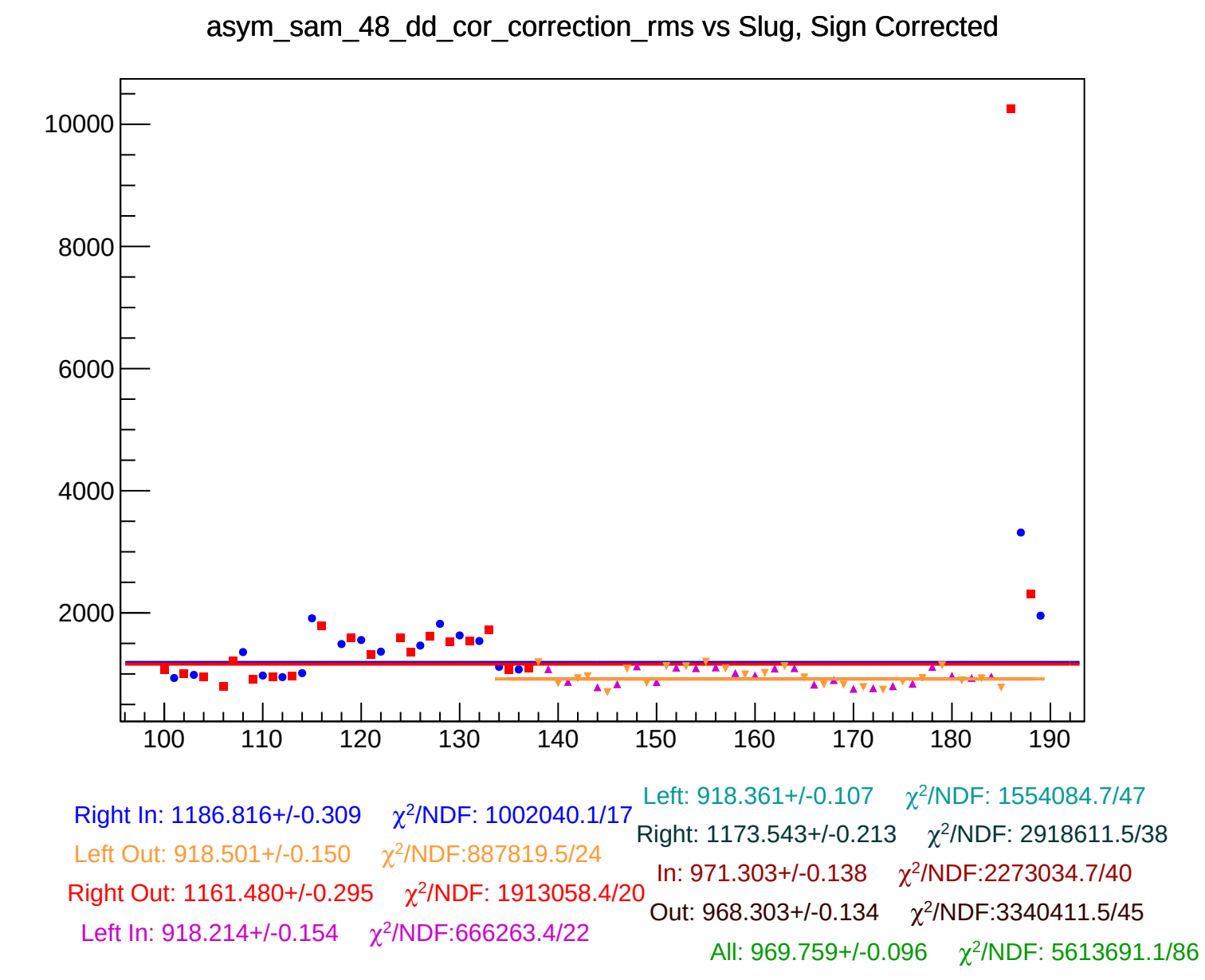
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

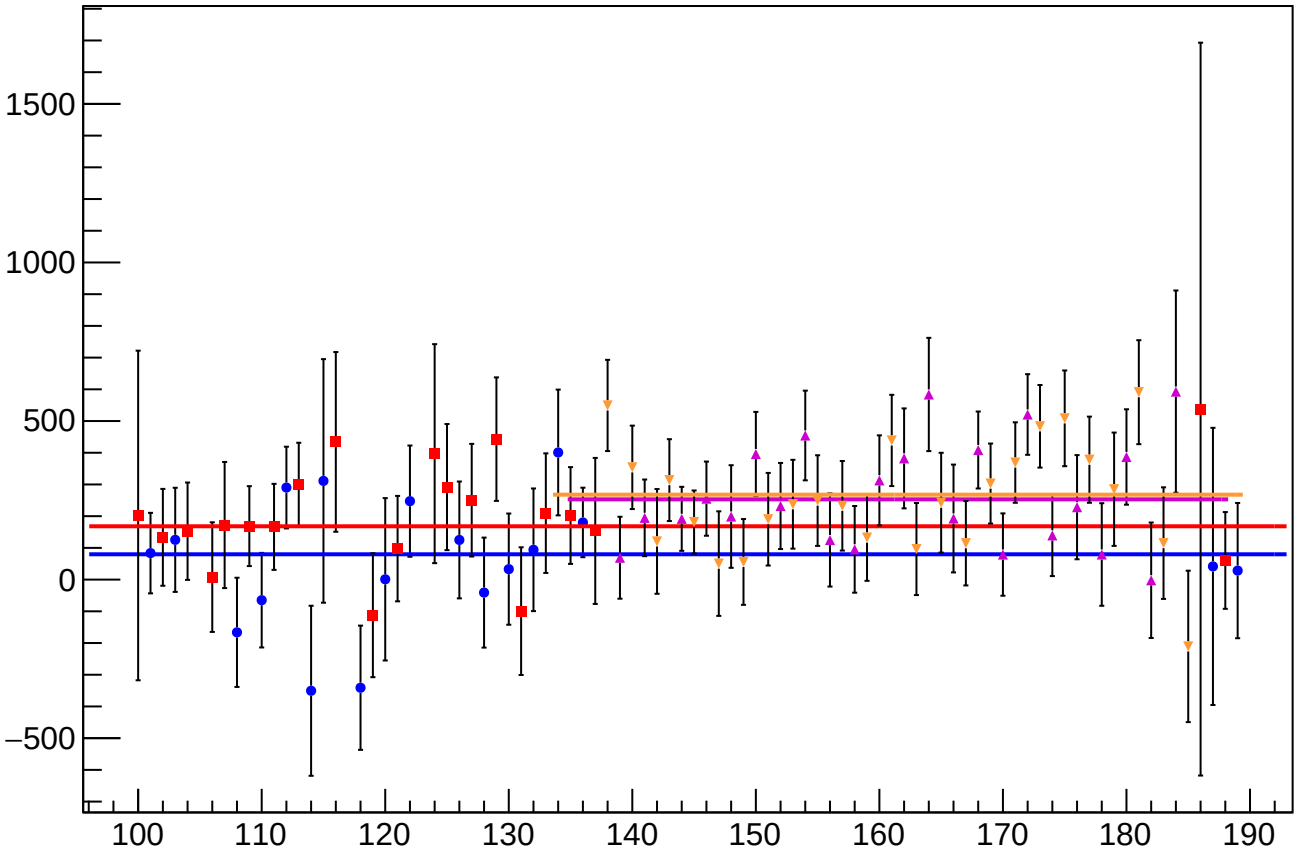
Right: 449.534+/-301.914 χ^2/NDF: 42.9/38

In: 59.519+/-194.524 χ^2/NDF:45.7/40

Out: -544.122+/-188.845 χ^2/NDF:86.0/45

All: -251.241+/-135.497 χ^2/NDF: 136.6/86


asym_sam_48_dd_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 1186.816+/-0.309 χ²/NDF: 1002040.1/17
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1161.480+/-0.295 χ²/NDF: 1913058.4/20
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1173.543+/-0.213 χ²/NDF: 2918611.5/38
In: 971.303+/-0.138 χ²/NDF:2273034.7/40
Out: 968.303+/-0.134 χ²/NDF:3340411.5/45
All: 969.759+/-0.096 χ²/NDF: 5613691.1/86



Right In: 79.822+/-41.150 χ^2/NDF: 18.4/17

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 168.133+/-39.282 χ^2/NDF: 10.6/20

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

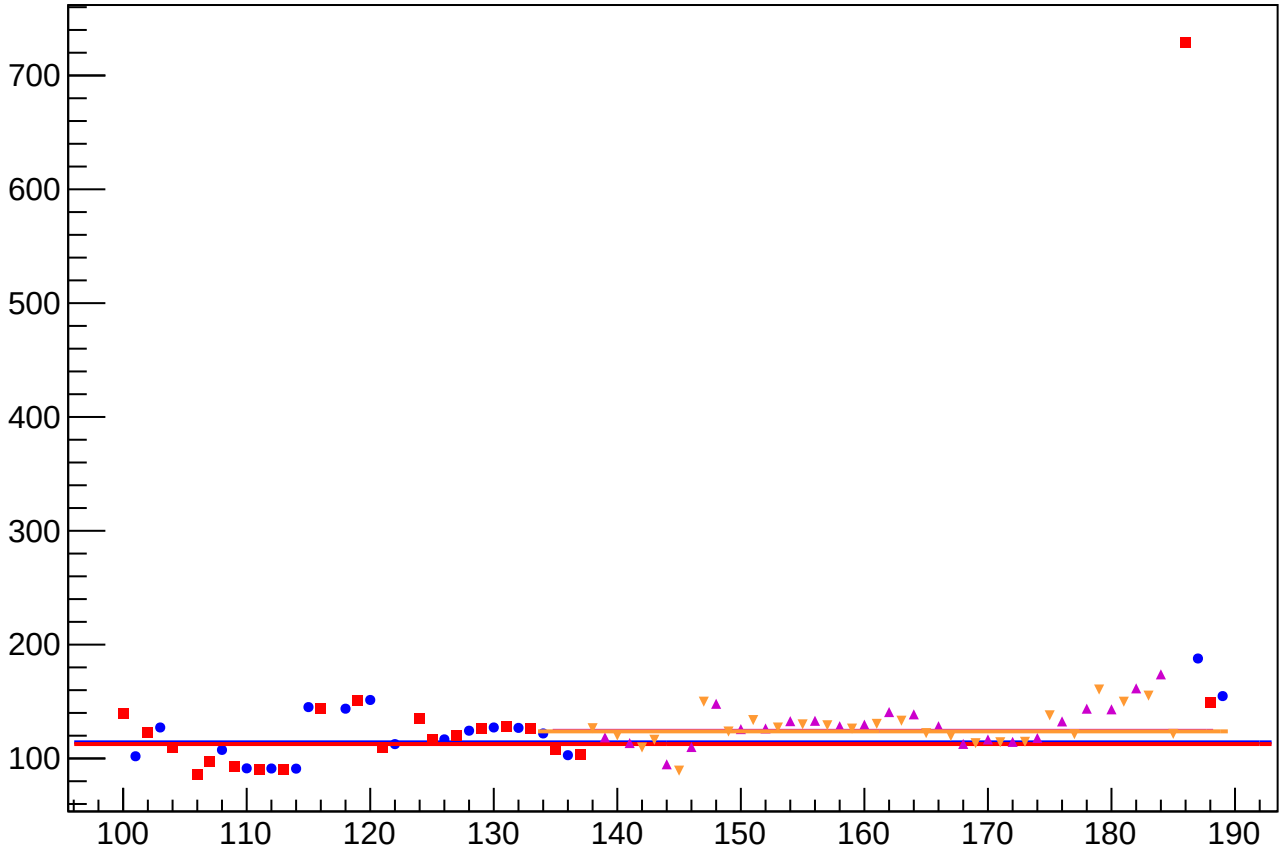
Right: 126.028+/-28.414 χ^2/NDF: 31.4/38

In: 194.739+/-23.875 χ^2/NDF:56.4/40

Out: 233.569+/-23.019 χ^2/NDF:45.8/45

All: 214.863+/-16.571 χ^2/NDF: 103.5/86

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 114.135+/-0.029 χ^2/NDF: 441432.3/17

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 112.652+/-0.028 χ^2/NDF: 1068510.4/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

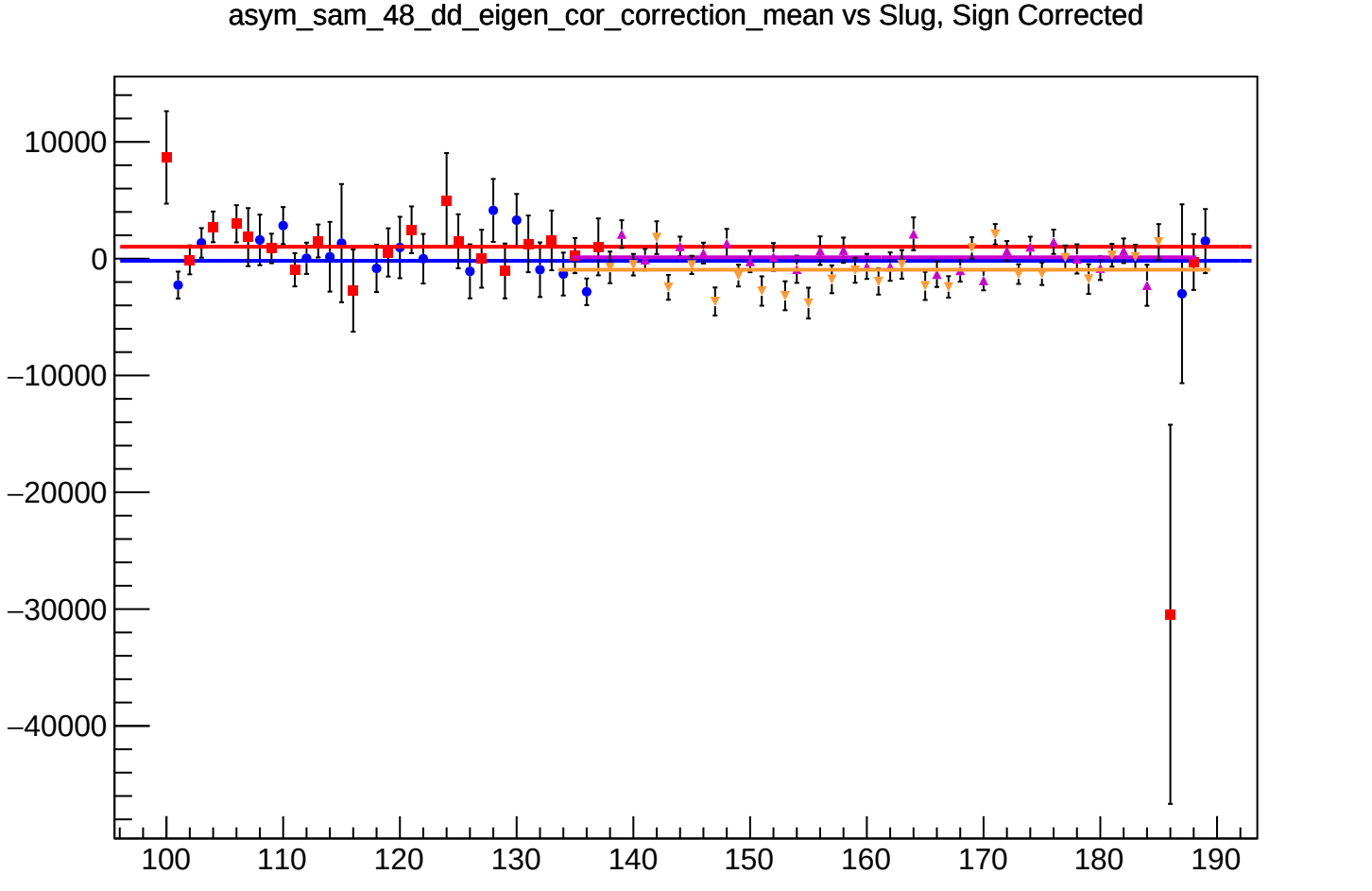
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 113.359+/-0.020 χ^2/NDF: 1511300.9/38

In: 120.851+/-0.017 χ^2/NDF:1078958.5/40

Out: 119.977+/-0.016 χ^2/NDF:1772859.5/45

All: 120.398+/-0.012 χ^2/NDF: 2853207.3/86



Right In: -179.650+/-437.547 χ^2/NDF: 21.0/17

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1021.360+/-417.127 χ^2/NDF: 18.0/20

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

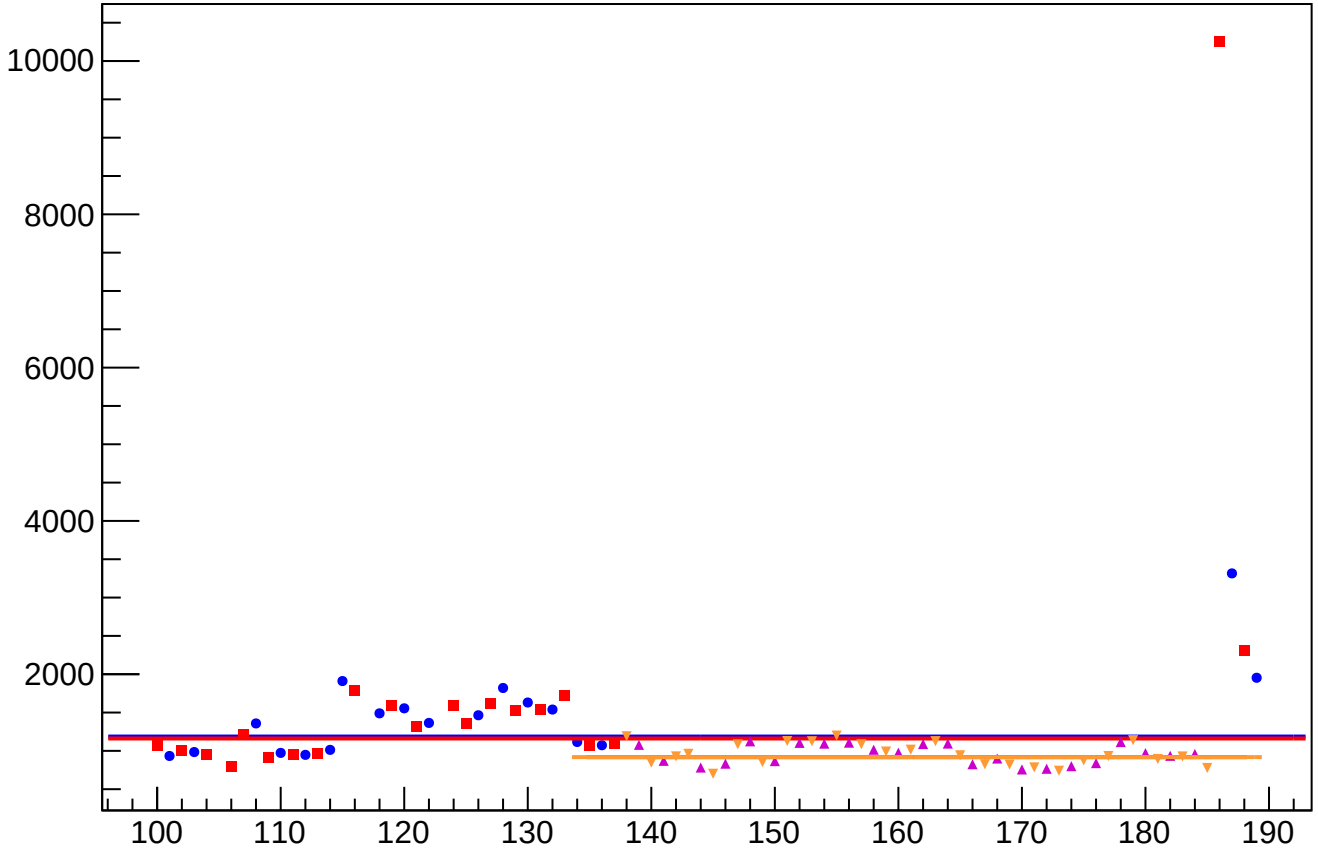
Right: 449.534+/-301.914 χ^2/NDF: 42.9/38

In: 59.519+/-194.524 χ^2/NDF:45.7/40

Out: -544.122+/-188.845 χ^2/NDF:86.0/45

All: -251.241+/-135.497 χ^2/NDF: 136.6/86

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1186.816+/-0.309 χ^2/NDF: 1002040.1/17

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1161.480+/-0.295 χ^2/NDF: 1913058.4/20

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

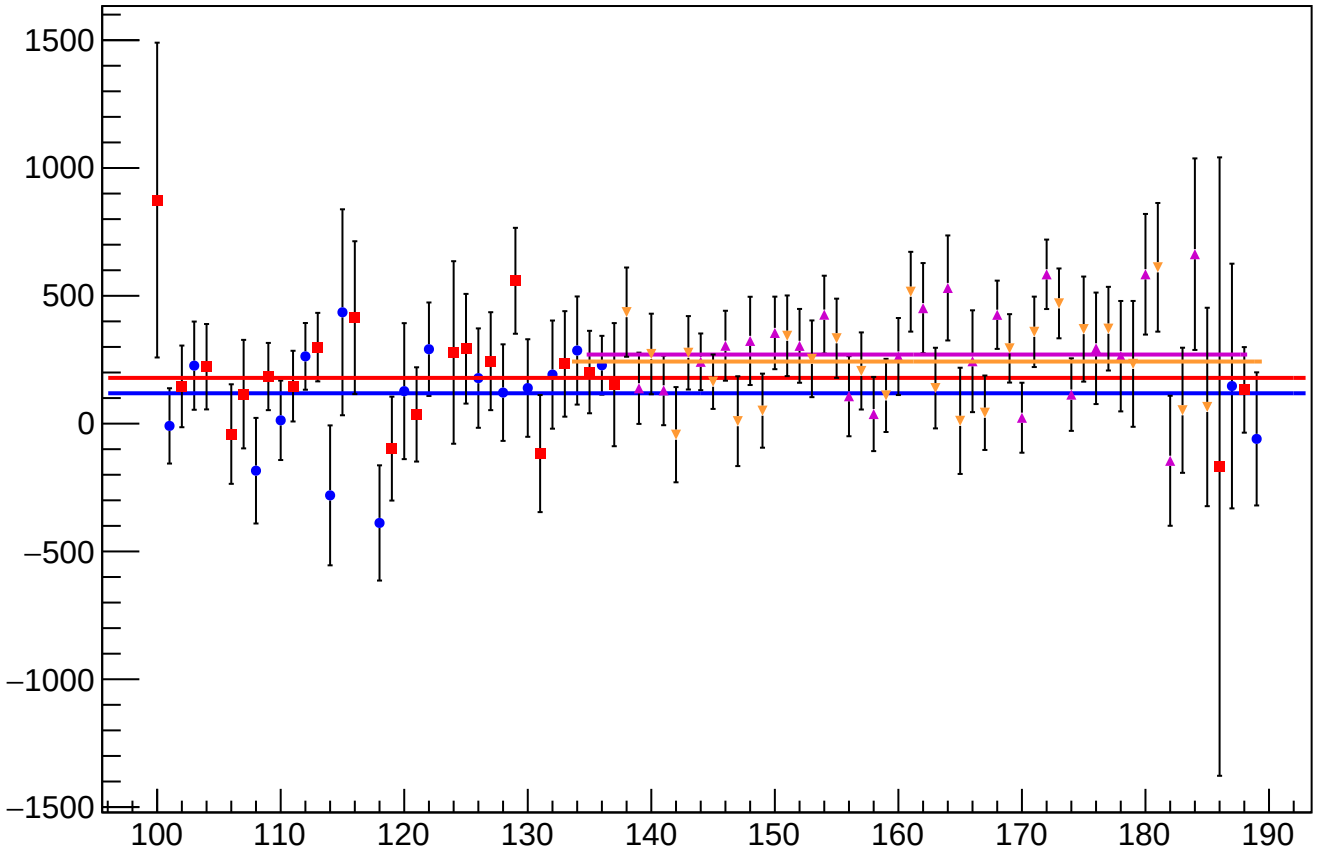
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1173.543+/-0.213 χ^2/NDF: 2918611.5/38

In: 971.303+/-0.138 χ^2/NDF:2273034.7/40

Out: 968.303+/-0.134 χ^2/NDF:3340411.5/45

All: 969.759+/-0.096 χ^2/NDF: 5613691.1/86



Right In: 118.757+/-44.378 χ^2/NDF: 15.9/17

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 178.896+/-41.826 χ^2/NDF: 12.5/20

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

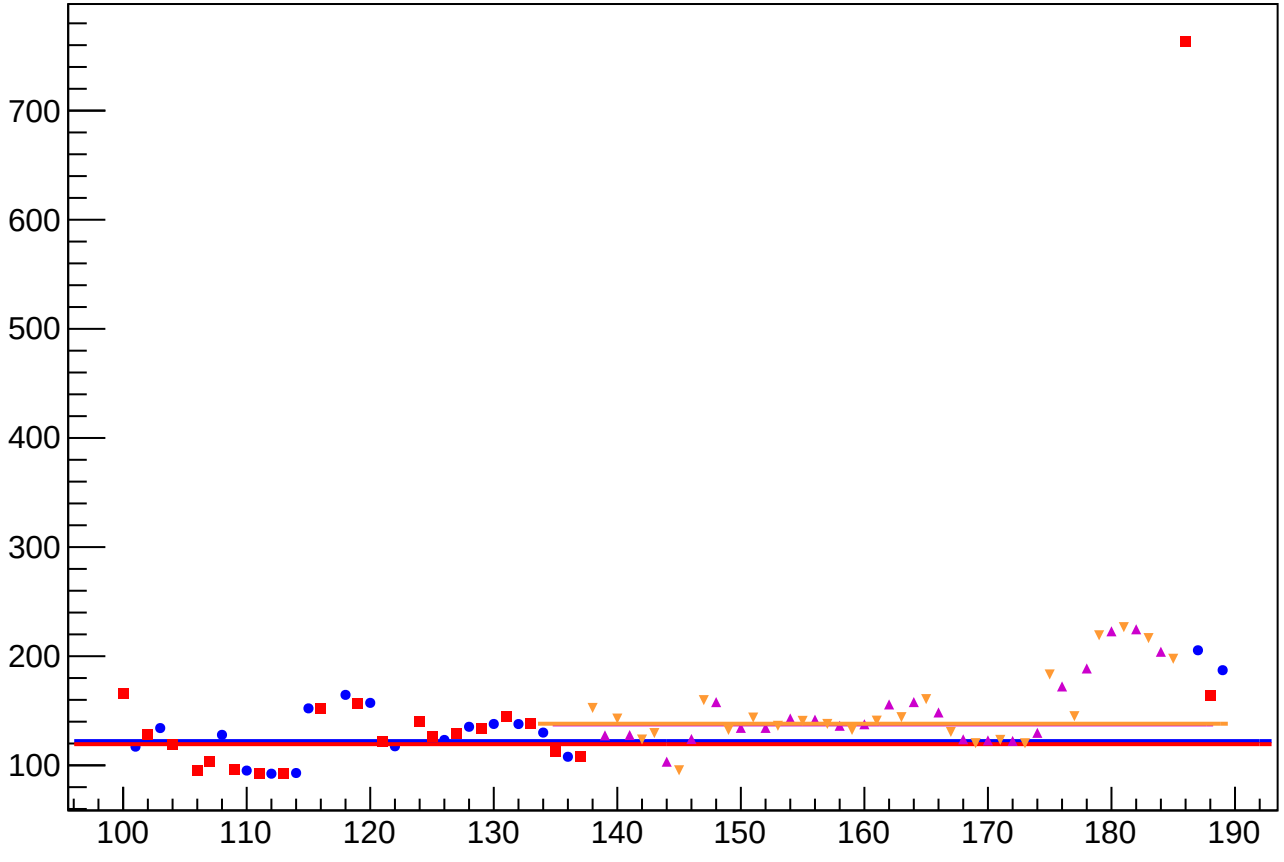
Right: 150.606+/-30.438 χ^2/NDF: 29.3/38

In: 216.530+/-26.426 χ^2/NDF:50.1/40

Out: 219.133+/-25.484 χ^2/NDF:37.6/45

All: 217.879+/-18.344 χ^2/NDF: 87.7/86

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 122.200+/-0.031 χ^2/NDF: 572527.3/17

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 119.394+/-0.030 χ^2/NDF: 1148537.2/20

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

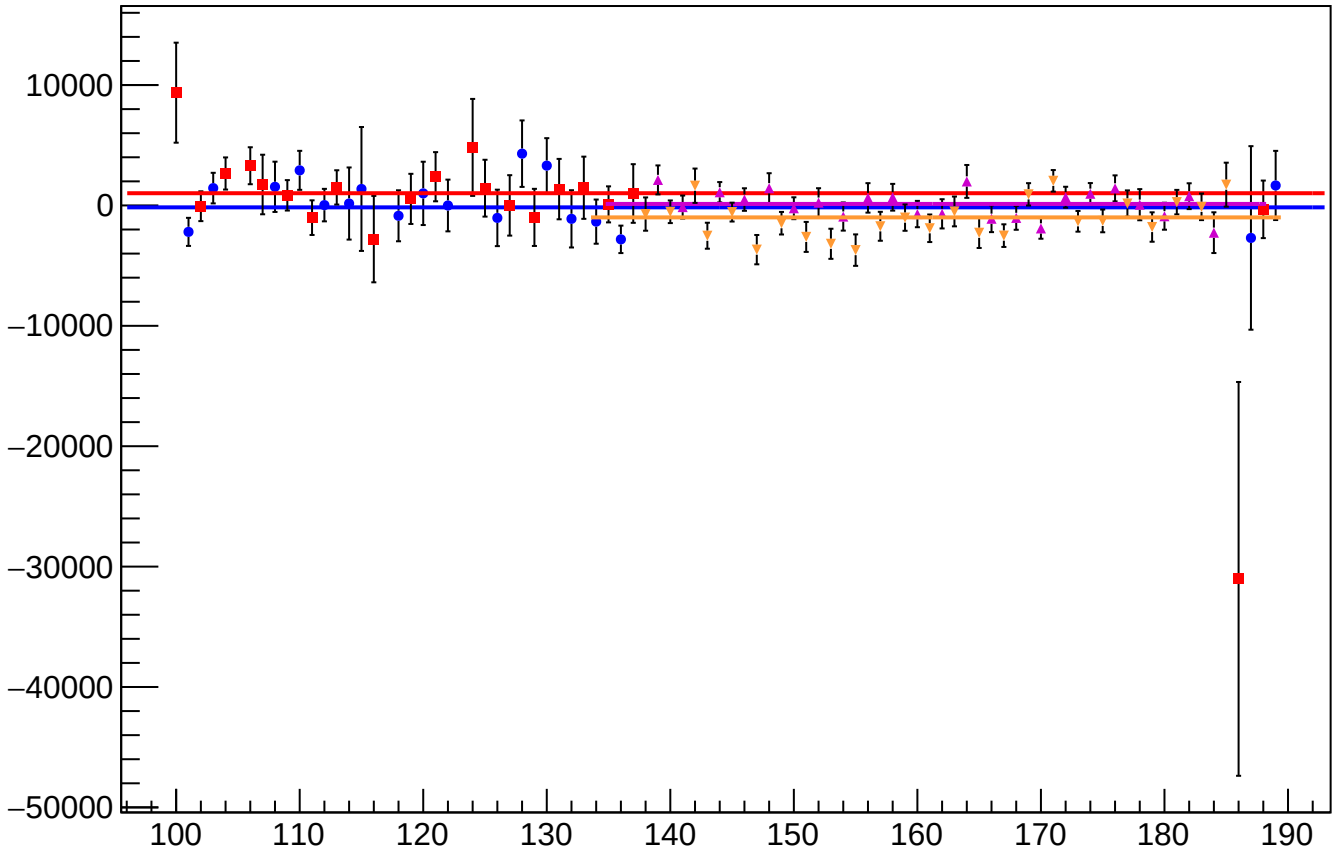
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 120.714+/-0.022 χ^2/NDF: 1725298.5/38

In: 132.069+/-0.019 χ^2/NDF:1835112.0/40

Out: 131.173+/-0.018 χ^2/NDF:2739098.8/45

All: 131.605+/-0.013 χ^2/NDF: 4575403.2/86



Right In: -159.731+/-441.267 χ^2/NDF: 20.9/17

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1015.128+/-419.206 χ^2/NDF: 18.7/20

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

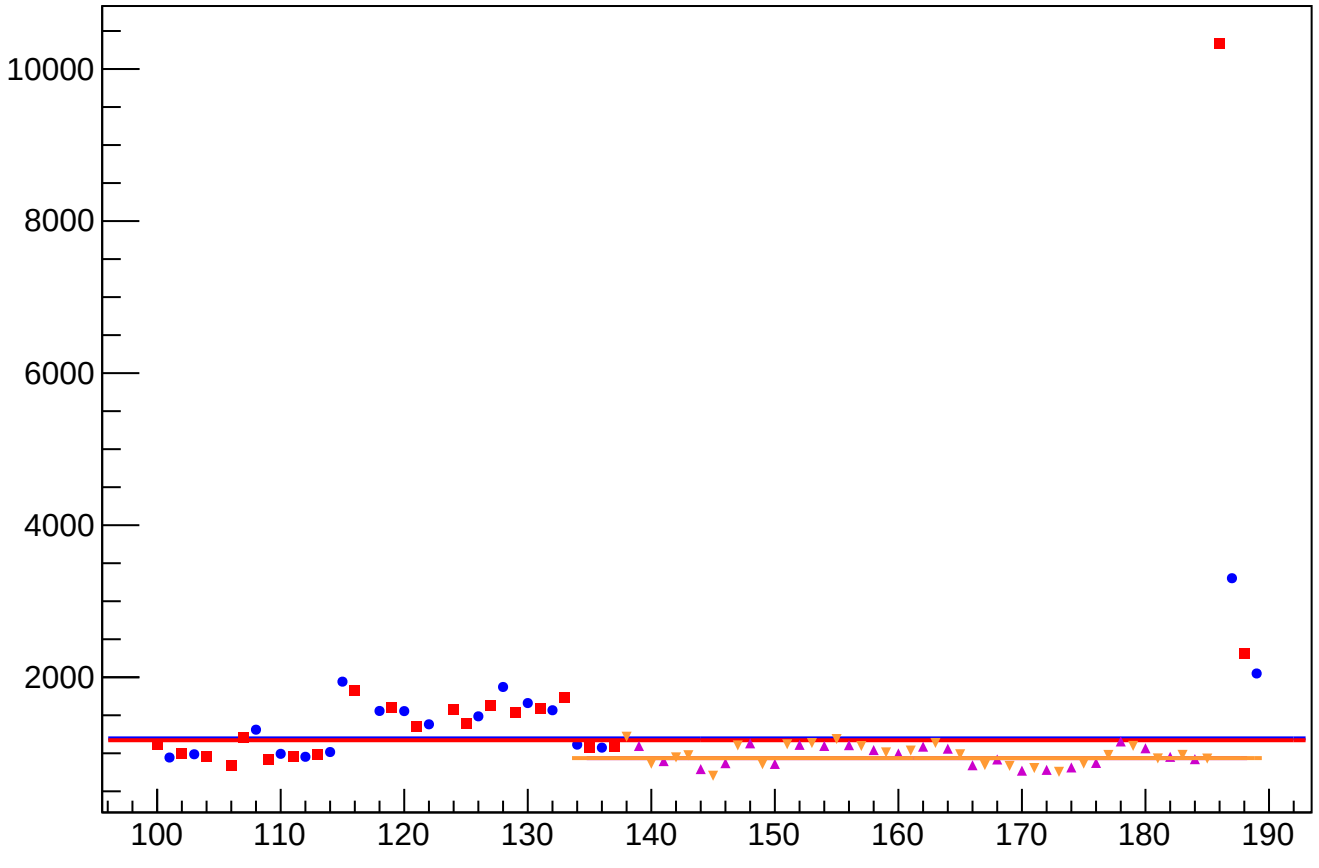
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 457.799+/-303.923 χ^2/NDF: 43.4/38

In: 67.637+/-197.865 χ^2/NDF:45.1/40

Out: -572.967+/-191.766 χ^2/NDF:83.8/45

All: -262.690+/-137.704 χ^2/NDF: 134.3/86



Right In: 1196.016+/-0.312 χ^2/NDF: 1046557.8/17

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1171.763+/-0.296 χ^2/NDF: 1910501.5/20

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

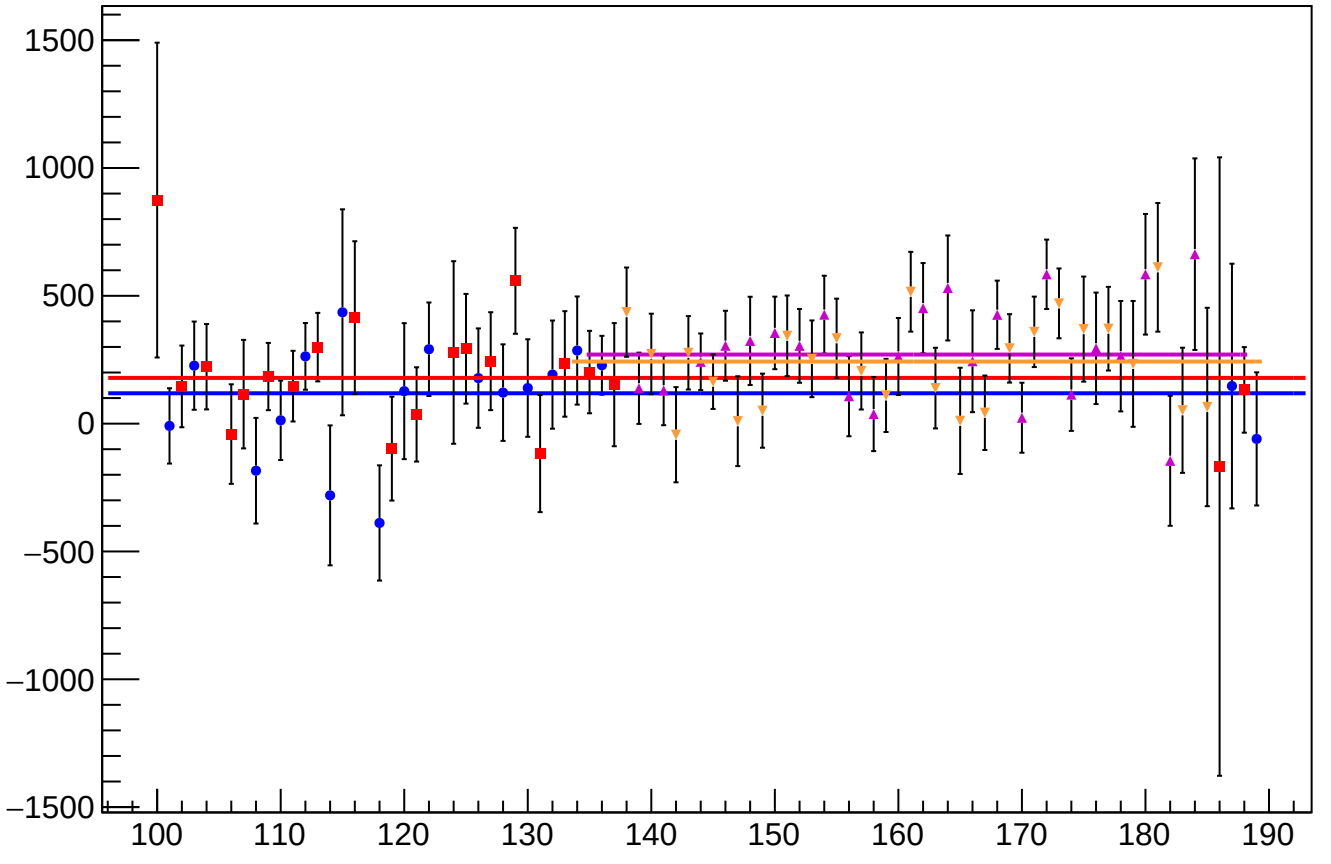
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1183.268+/-0.215 χ^2/NDF: 2960234.9/38

In: 988.584+/-0.140 χ^2/NDF:2242487.3/40

Out: 985.924+/-0.136 χ^2/NDF:3240018.6/45

All: 987.212+/-0.097 χ^2/NDF: 5482692.3/86



Right In: 118.760+/-44.378 χ^2/NDF: 15.9/17

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 178.897+/-41.826 χ^2/NDF: 12.5/20

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

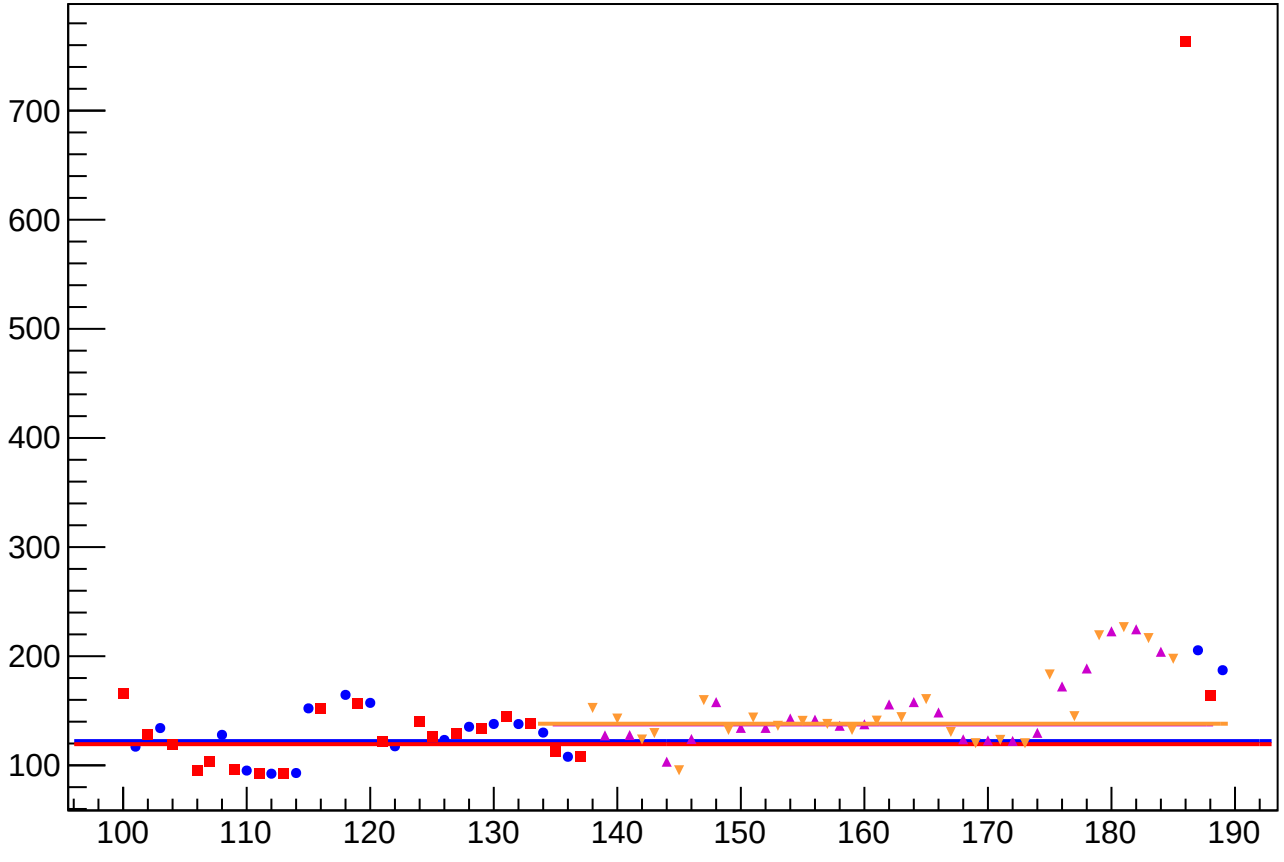
Right: 150.607+/-30.438 χ^2/NDF: 29.3/38

In: 216.531+/-26.426 χ^2/NDF:50.1/40

Out: 219.135+/-25.484 χ^2/NDF:37.6/45

All: 217.880+/-18.344 χ^2/NDF: 87.7/86

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 122.200+/-0.031 χ^2/NDF: 572526.2/17

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 119.394+/-0.030 χ^2/NDF: 1148543.1/20

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

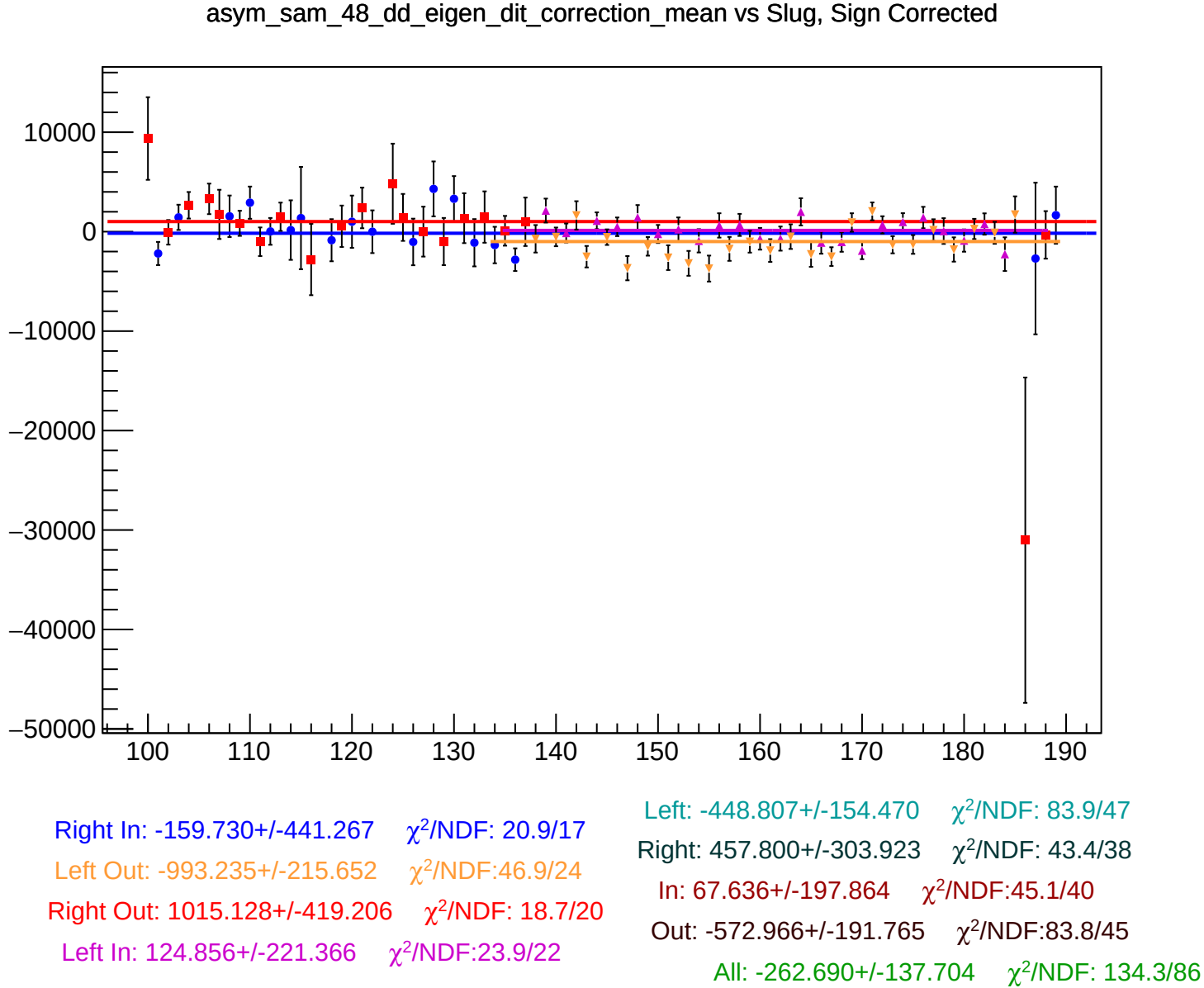
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

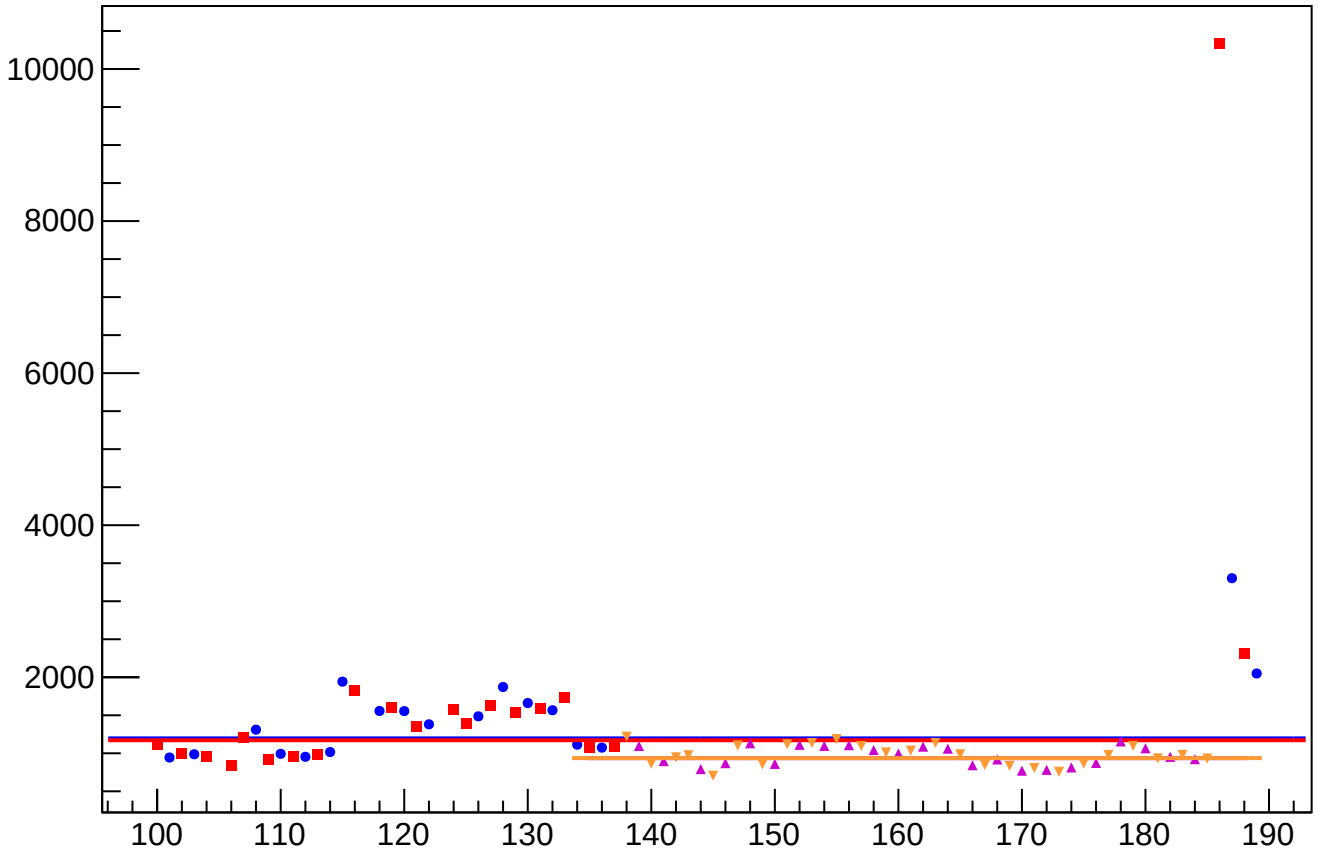
Right: 120.714+/-0.022 χ^2/NDF: 1725303.3/38

In: 132.069+/-0.019 χ^2/NDF:1835096.9/40

Out: 131.173+/-0.018 χ^2/NDF:2739108.5/45

All: 131.605+/-0.013 χ^2/NDF: 4575397.8/86


asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -159.730+/-441.267 χ²/NDF: 20.9/17
Left Out: -993.235+/-215.652 χ²/NDF:46.9/24
Right Out: 1015.128+/-419.206 χ²/NDF: 18.7/20
Left In: 124.856+/-221.366 χ²/NDF:23.9/22
Left: -448.807+/-154.470 χ²/NDF: 83.9/47
Right: 457.800+/-303.923 χ²/NDF: 43.4/38
In: 67.636+/-197.864 χ²/NDF:45.1/40
Out: -572.966+/-191.765 χ²/NDF:83.8/45
All: -262.690+/-137.704 χ²/NDF: 134.3/86



Right In: 1196.015+/-0.312 χ^2/NDF: 1046558.6/17

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1171.763+/-0.296 χ^2/NDF: 1910500.4/20

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

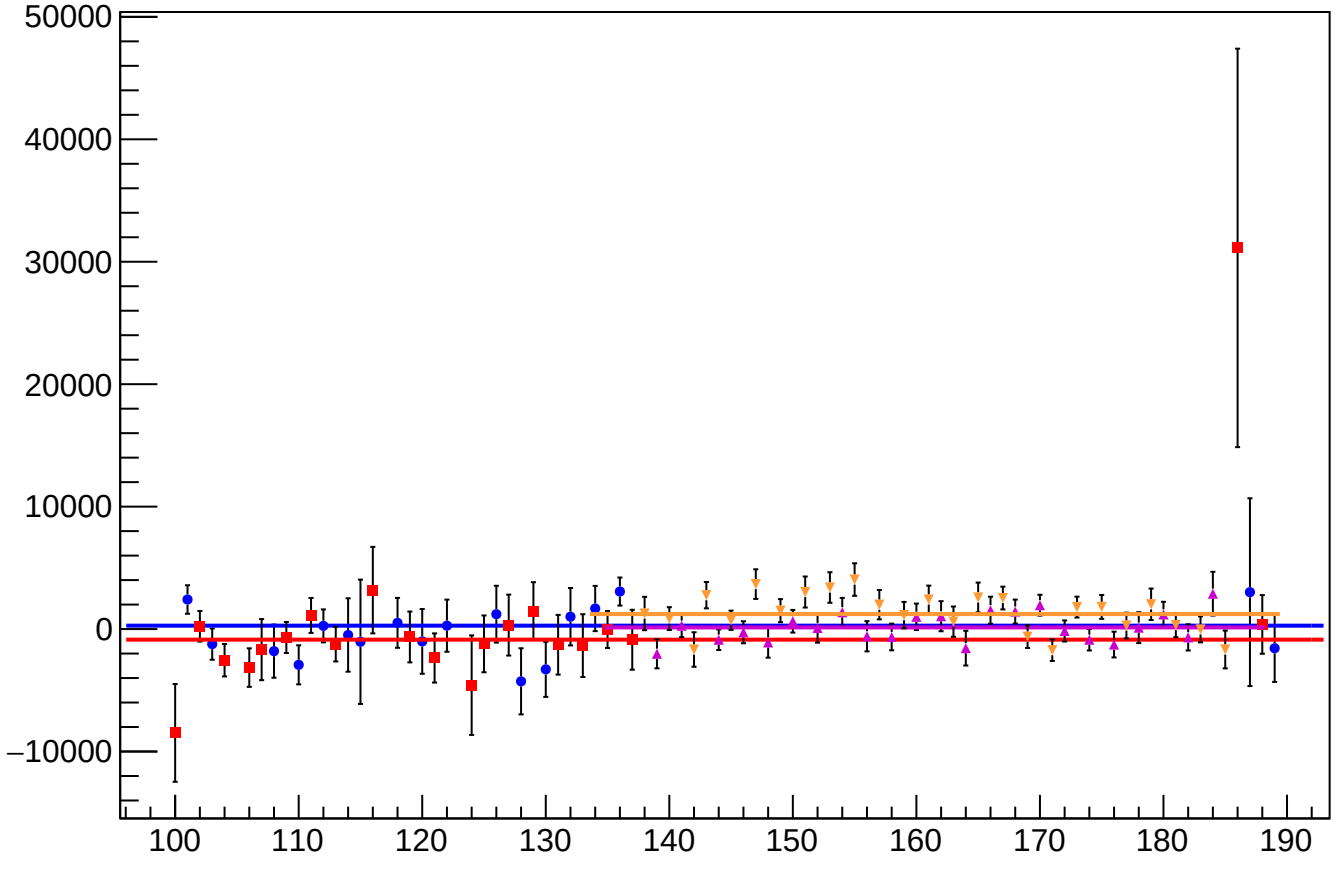
Right: 1183.268+/-0.215 χ^2/NDF: 2960234.6/38

In: 988.583+/-0.140 χ^2/NDF:2242490.5/40

Out: 985.923+/-0.136 χ^2/NDF:3240024.2/45

All: 987.211+/-0.097 χ^2/NDF: 5482701.1/86

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 278.166+/-439.861 χ^2/NDF: 22.8/17

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -864.917+/-418.712 χ^2/NDF: 18.7/20

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

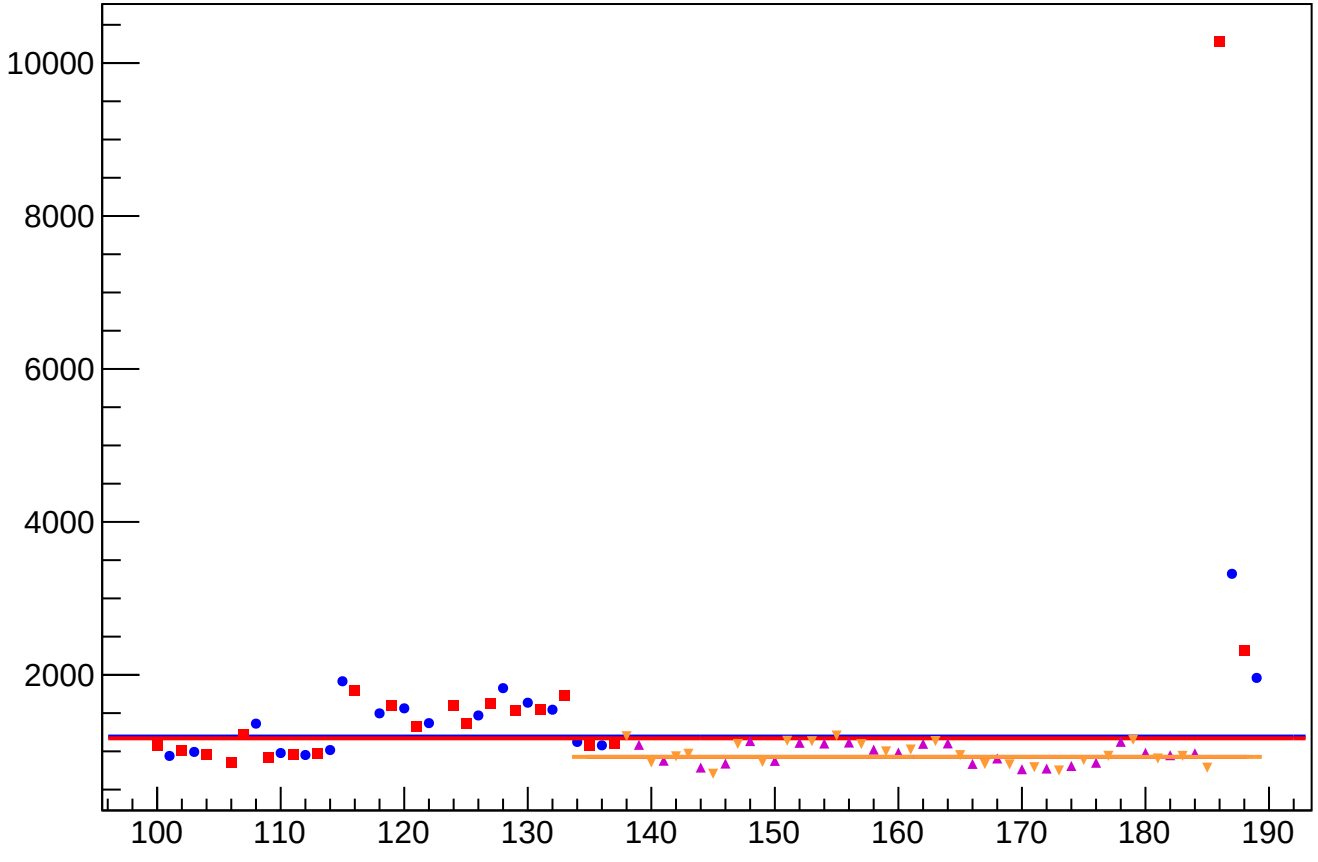
Right: -321.515+/-303.275 χ^2/NDF: 45.0/38

In: 161.762+/-196.245 χ^2/NDF:48.7/40

Out: 793.067+/-190.444 χ^2/NDF:87.0/45

All: 486.883+/-136.669 χ^2/NDF: 141.0/86

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1193.430+/-0.311 χ^2/NDF: 993839.4/17

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1170.367+/-0.296 χ^2/NDF: 1880069.0/20

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

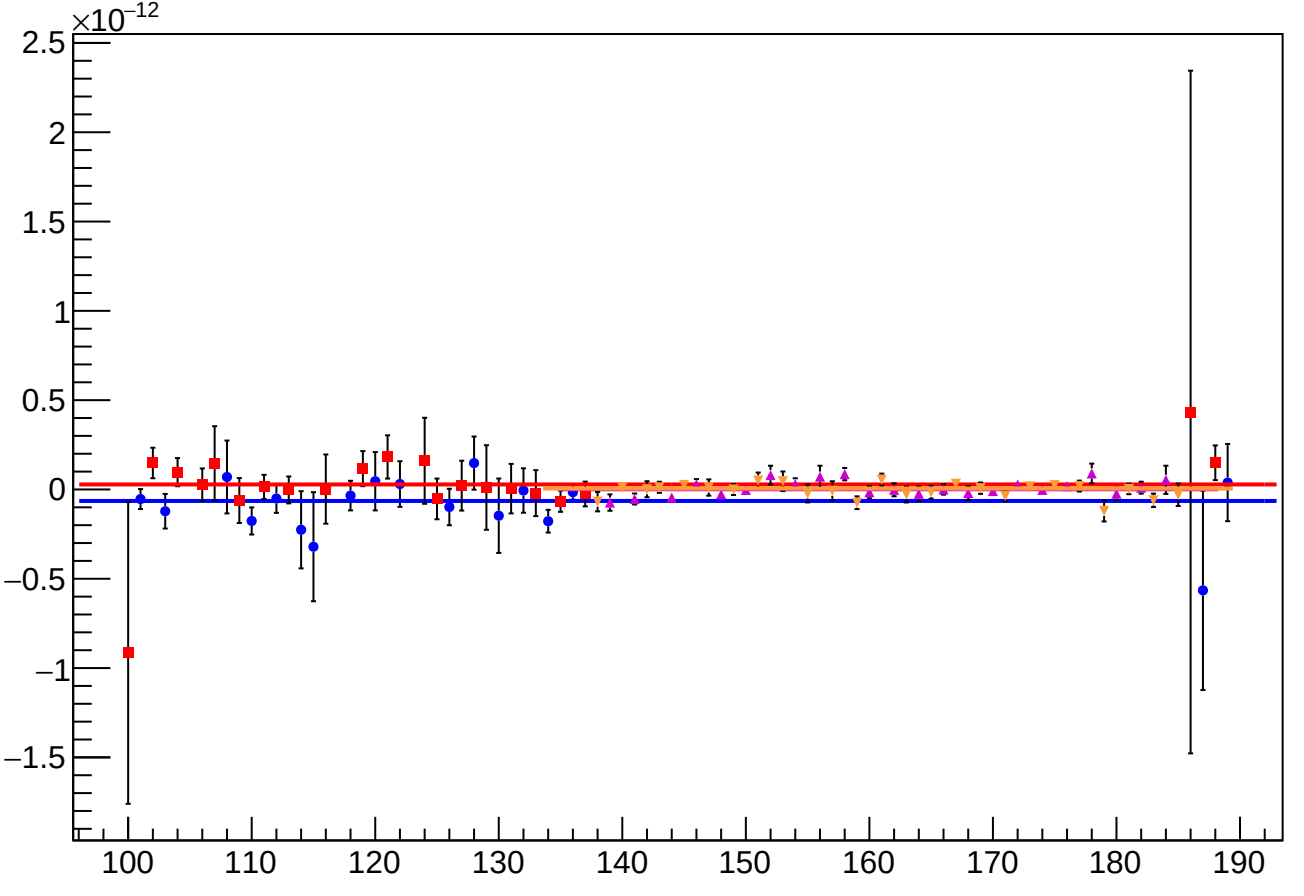
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1181.331+/-0.214 χ^2/NDF: 2876792.8/38

In: 980.290+/-0.139 χ^2/NDF:2236686.3/40

Out: 977.829+/-0.135 χ^2/NDF:3288394.7/45

All: 979.023+/-0.097 χ^2/NDF: 5525242.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 13.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/20

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

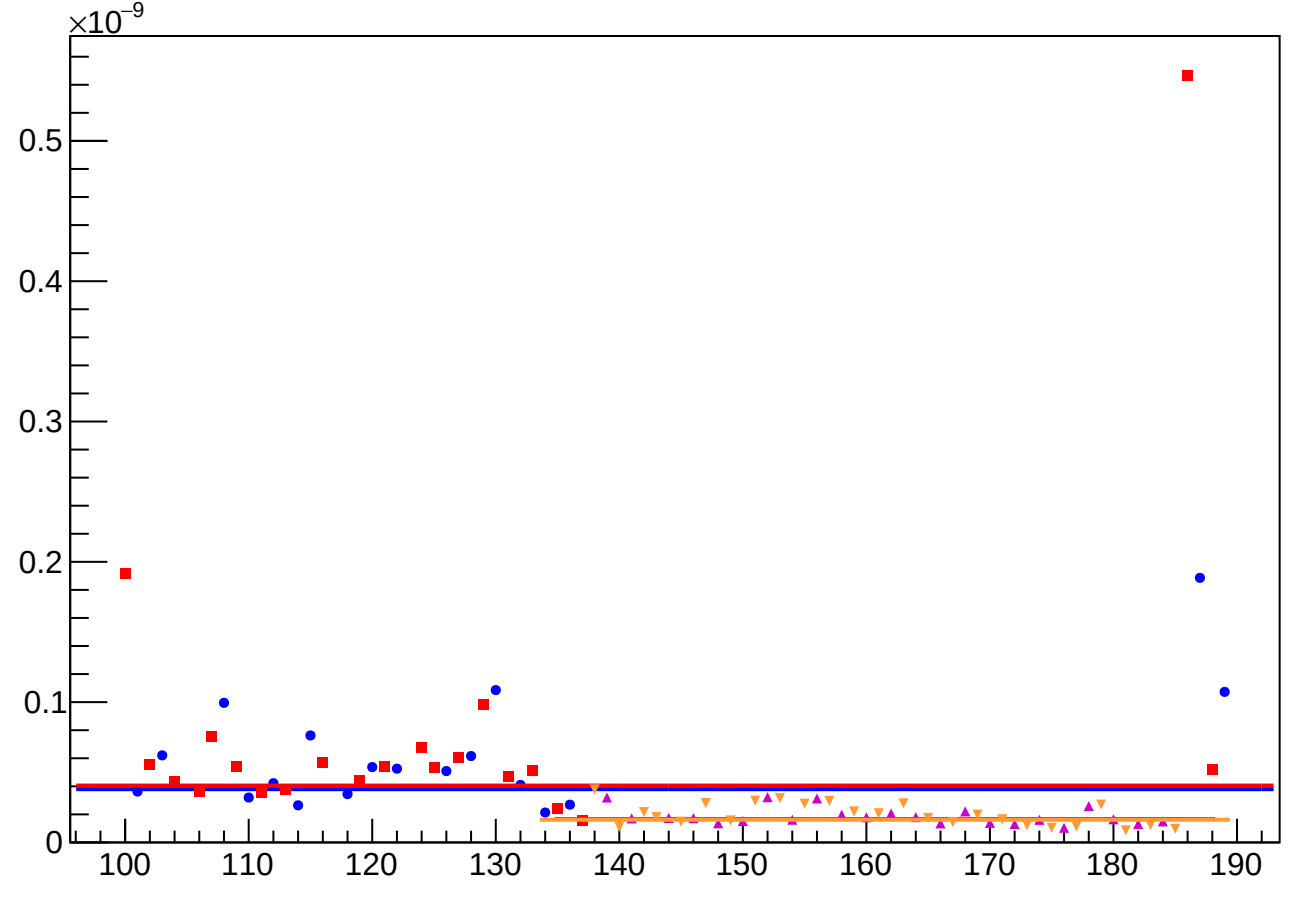
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 35.5/38

In: -0.000+/-0.000 χ^2/NDF:49.5/40

Out: 0.000+/-0.000 χ^2/NDF:39.5/45

All: 0.000+/-0.000 χ^2/NDF: 90.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 1350444.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1074872.8/20

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

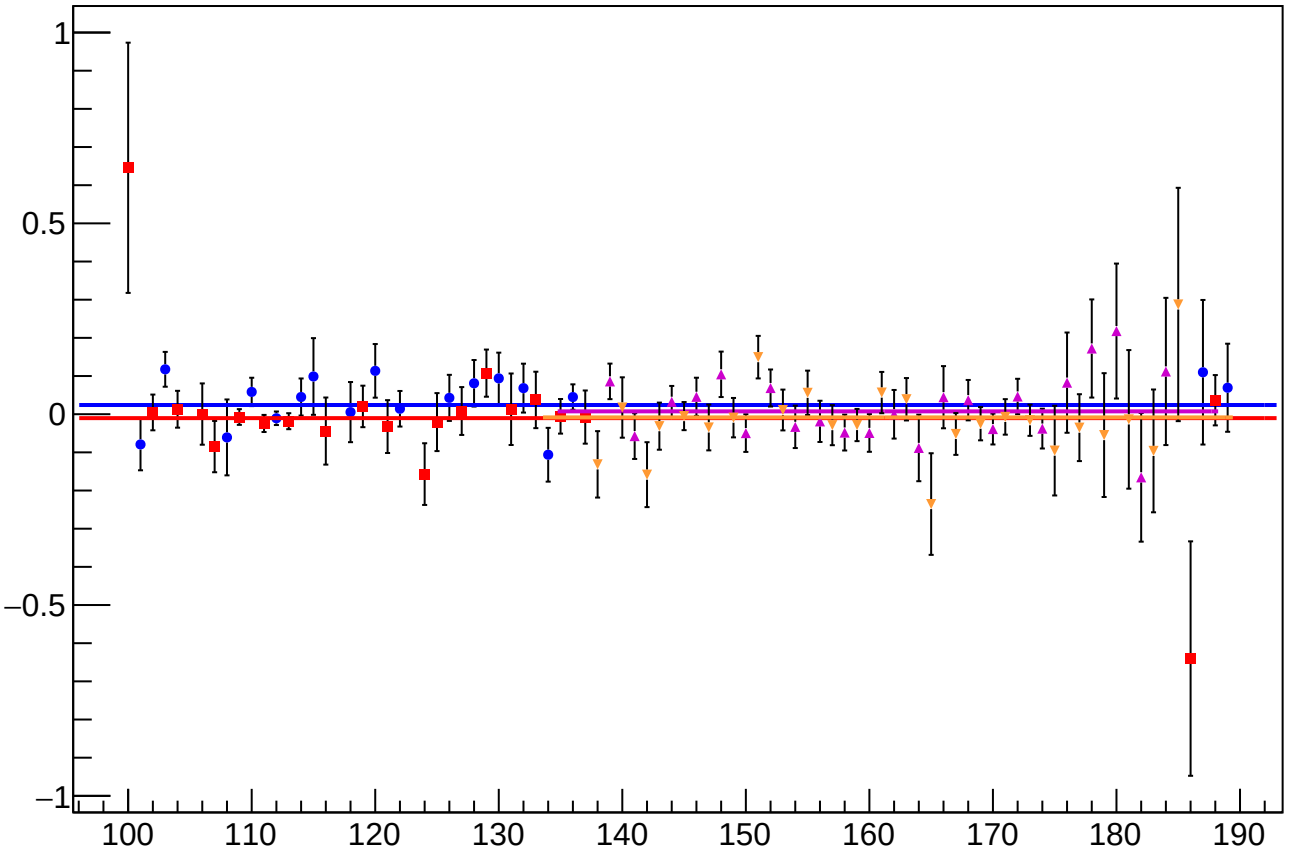
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 2438871.6/38

In: 0.000+/-0.000 χ^2/NDF:4032030.0/40

Out: 0.000+/-0.000 χ^2/NDF:5255079.4/45

All: 0.000+/-0.000 χ^2/NDF: 9294753.6/86



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

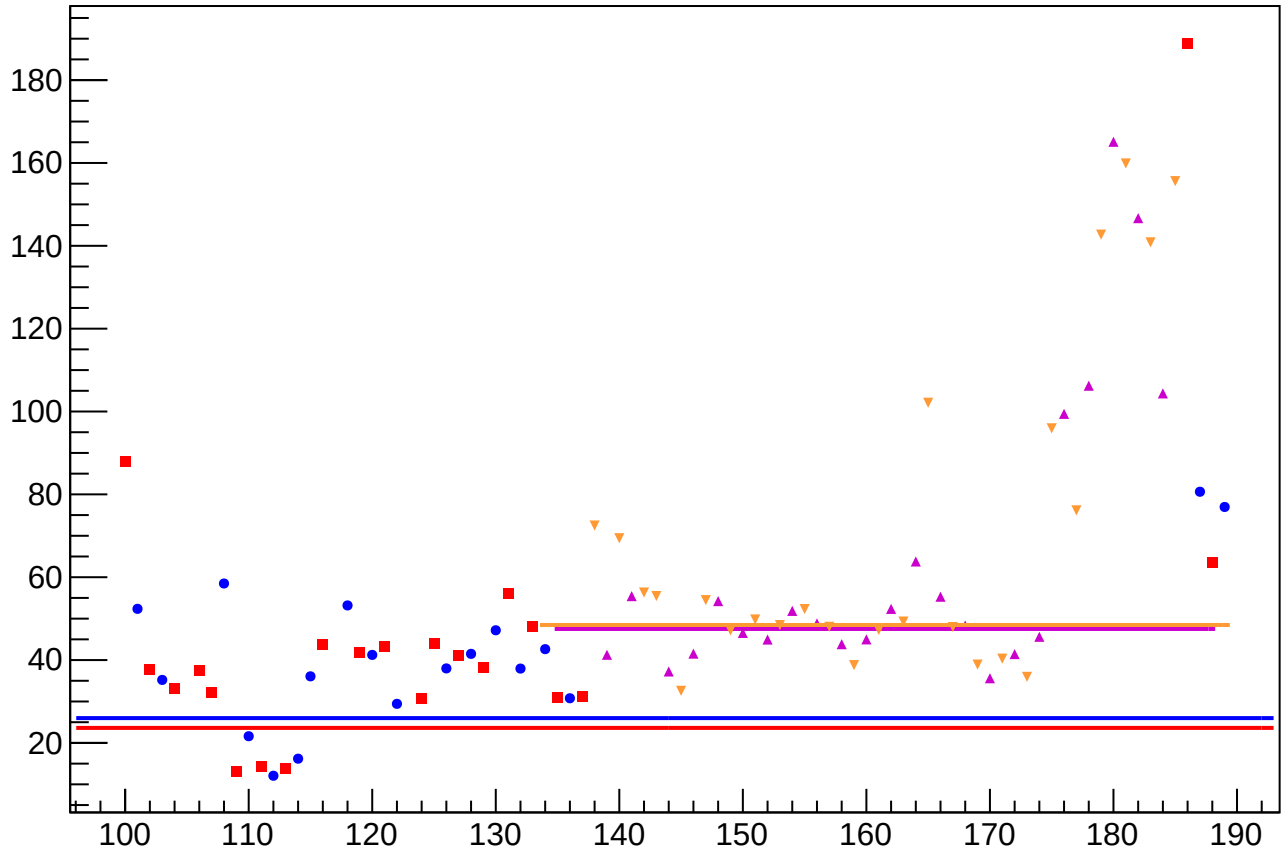
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.005+/-0.007 χ^2/NDF: 45.6/38

In: 0.017+/-0.008 χ^2/NDF:45.4/40

Out: -0.010+/-0.008 χ^2/NDF:42.1/45

All: 0.003+/-0.006 χ^2/NDF: 93.1/86



Right In: 25.990+/-0.008 χ^2/NDF: 3488878.6/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 23.625+/-0.007 χ^2/NDF: 4478150.6/20

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

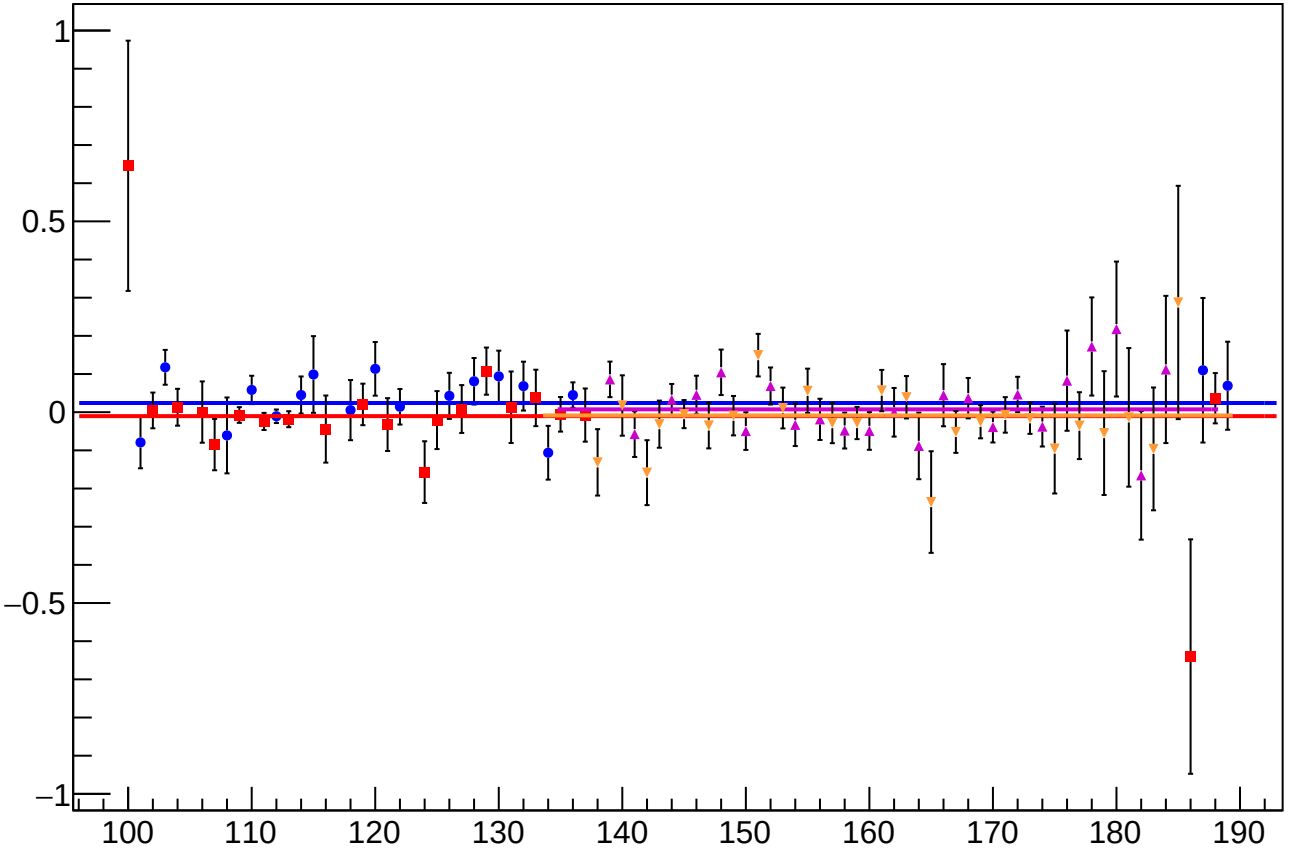
Right: 24.658+/-0.005 χ^2/NDF: 8019081.1/38

In: 35.785+/-0.006 χ^2/NDF:10047743.0/40

Out: 33.425+/-0.005 χ^2/NDF:14038105.3/45

All: 34.518+/-0.004 χ^2/NDF: 24176572.7/86

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

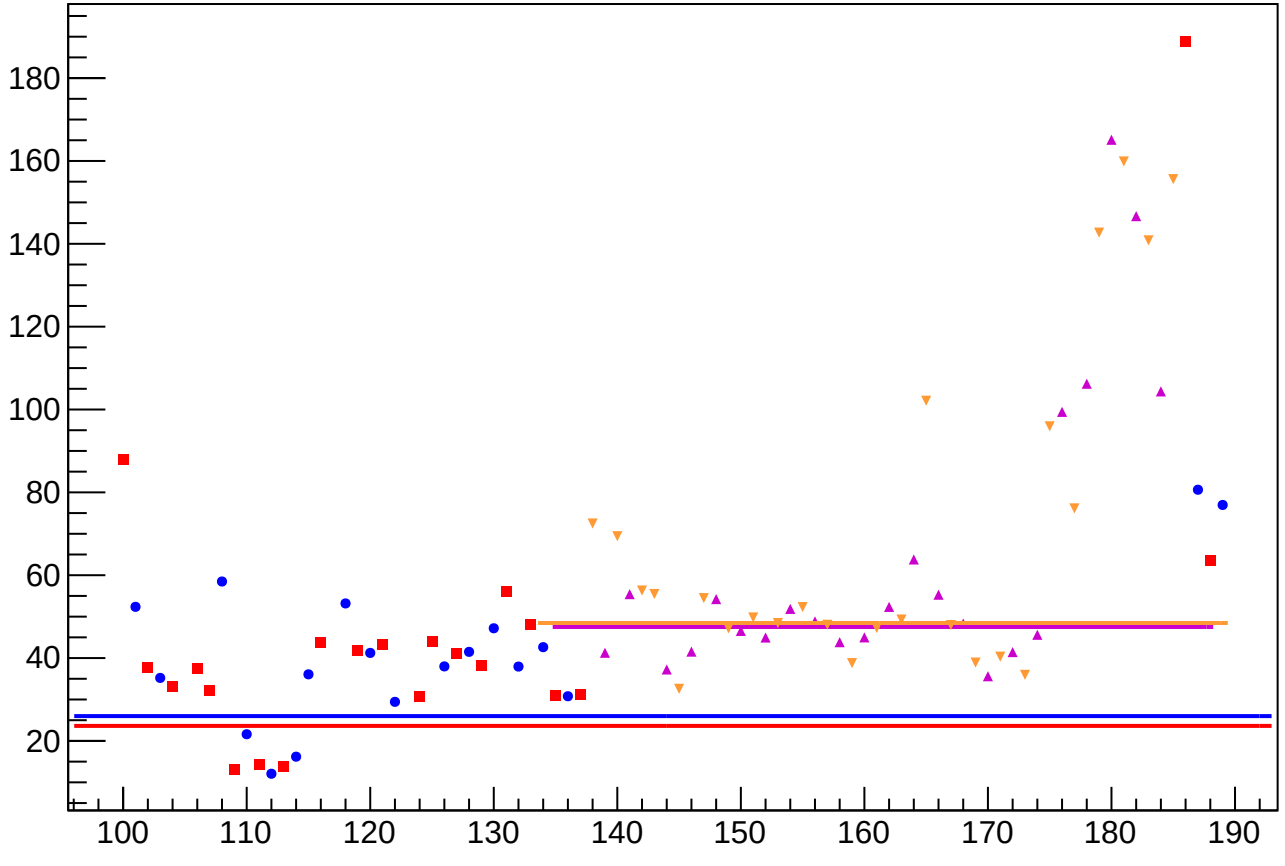
Right: 0.005+/-0.007 χ^2/NDF: 45.6/38

In: 0.017+/-0.008 χ^2/NDF:45.4/40

Out: -0.010+/-0.008 χ^2/NDF:42.1/45

All: 0.003+/-0.006 χ^2/NDF: 93.1/86

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.990+/-0.008 χ^2/NDF: 3488878.6/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 23.625+/-0.007 χ^2/NDF: 4478150.6/20

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

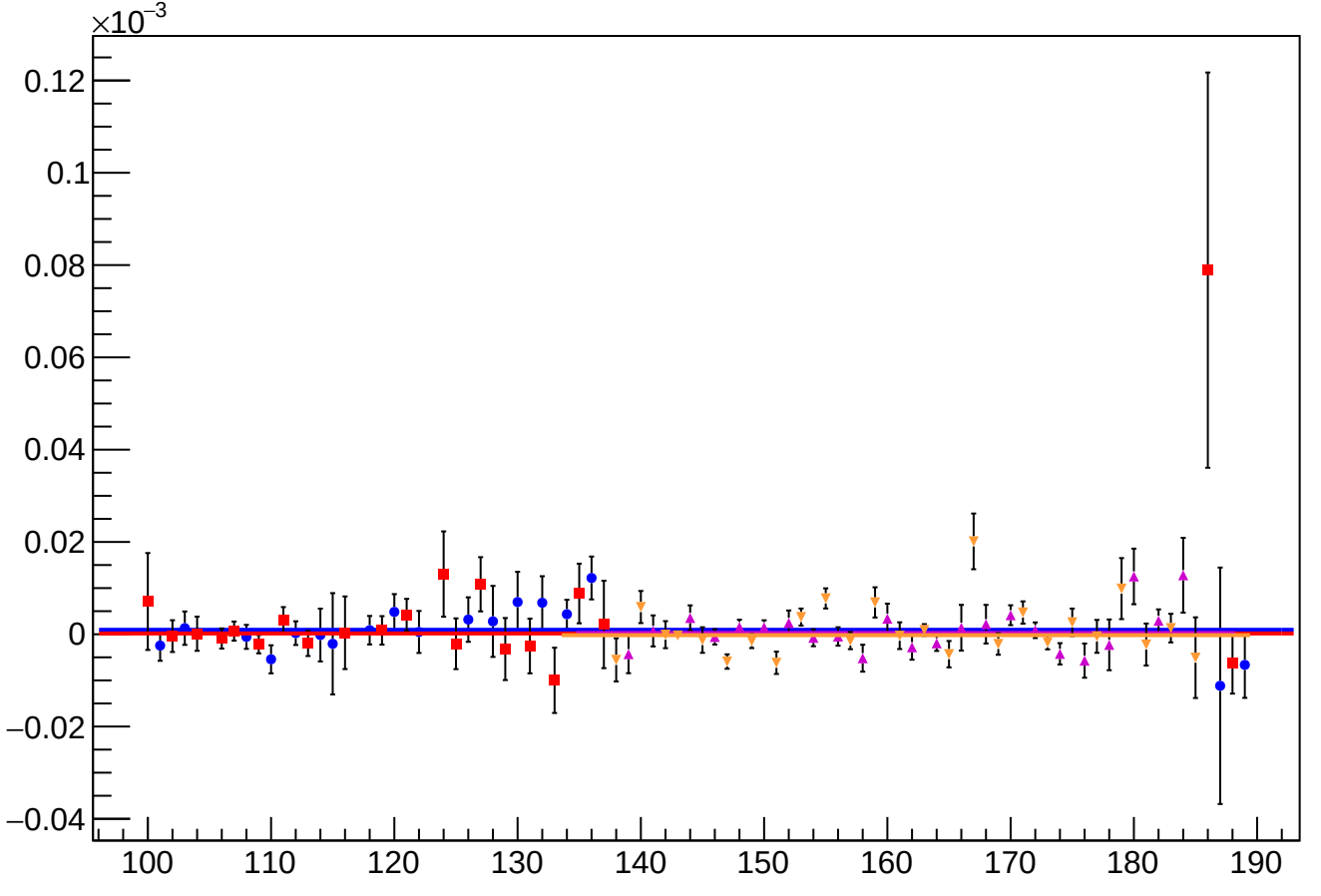
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 24.658+/-0.005 χ^2/NDF: 8019081.1/38

In: 35.785+/-0.006 χ^2/NDF:10047743.0/40

Out: 33.425+/-0.005 χ^2/NDF:14038105.3/45

All: 34.518+/-0.004 χ^2/NDF: 24176572.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/20

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

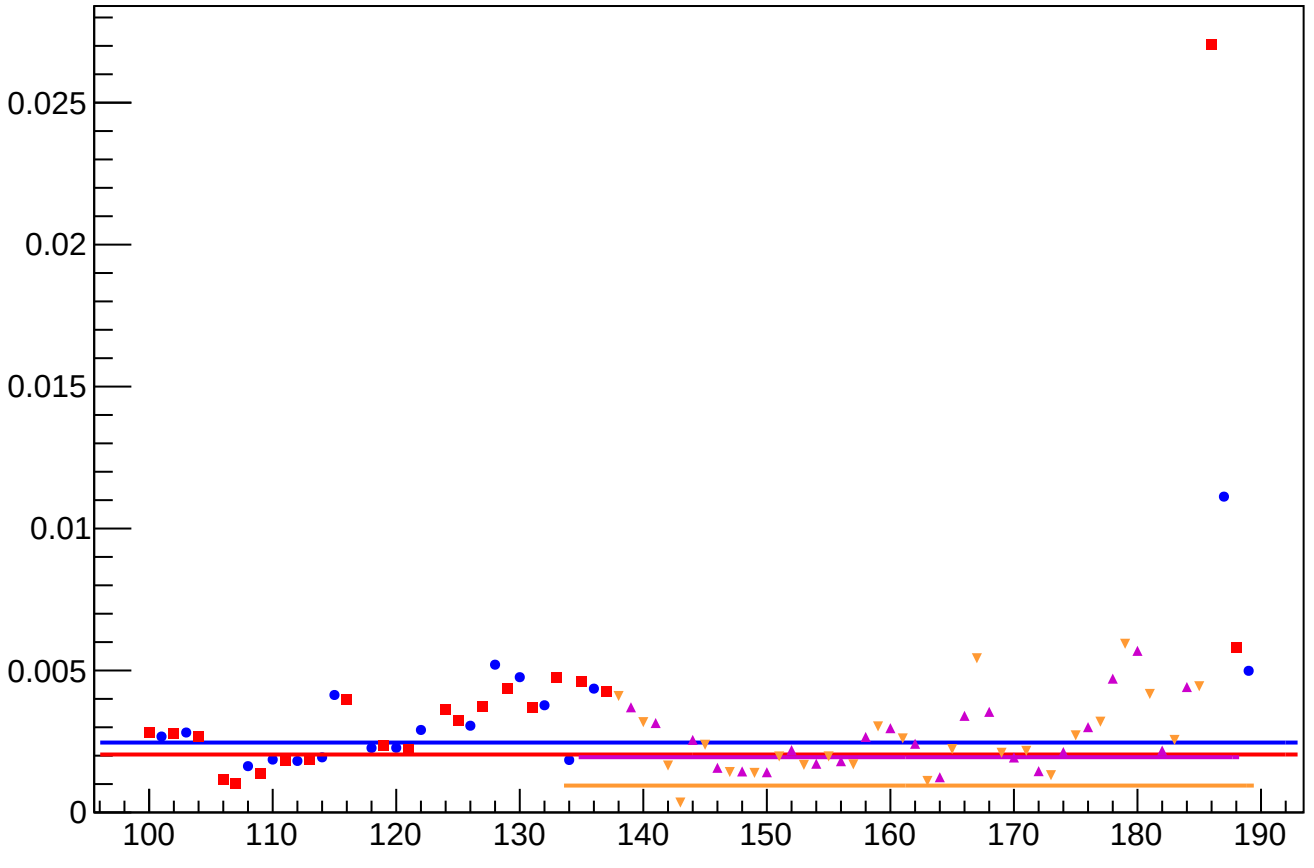
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 37.4/38

In: 0.000+/-0.000 χ^2/NDF:48.9/40

Out: -0.000+/-0.000 χ^2/NDF:91.3/45

All: 0.000+/-0.000 χ^2/NDF: 141.4/86



Right In: 0.002+/-0.000 χ^2/NDF: 2057780.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4109710.0/20

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

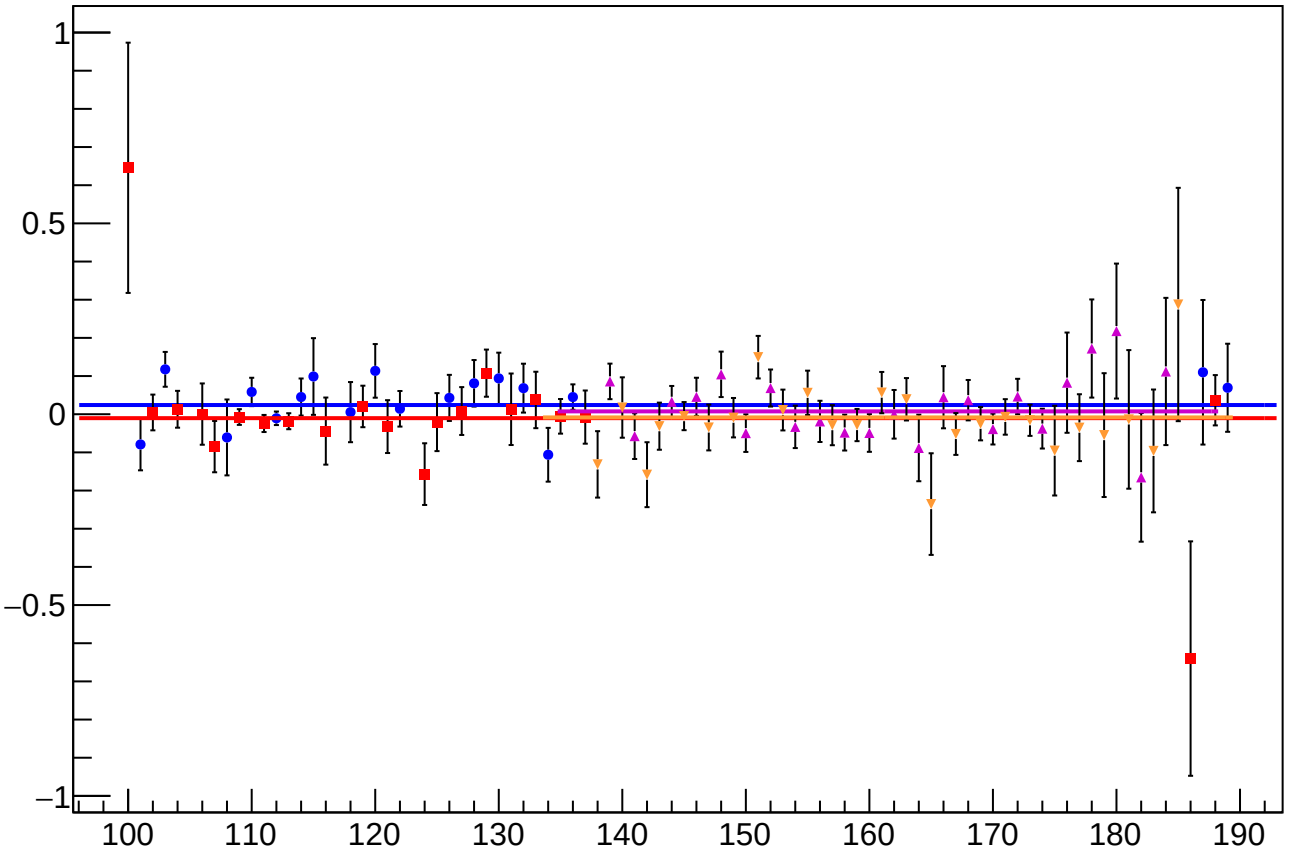
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 6397037.8/38

In: 0.002+/-0.000 χ^2/NDF:6887223.2/40

Out: 0.001+/-0.000 χ^2/NDF:24948925.0/45

All: 0.001+/-0.000 χ^2/NDF: 38823222.9/86



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

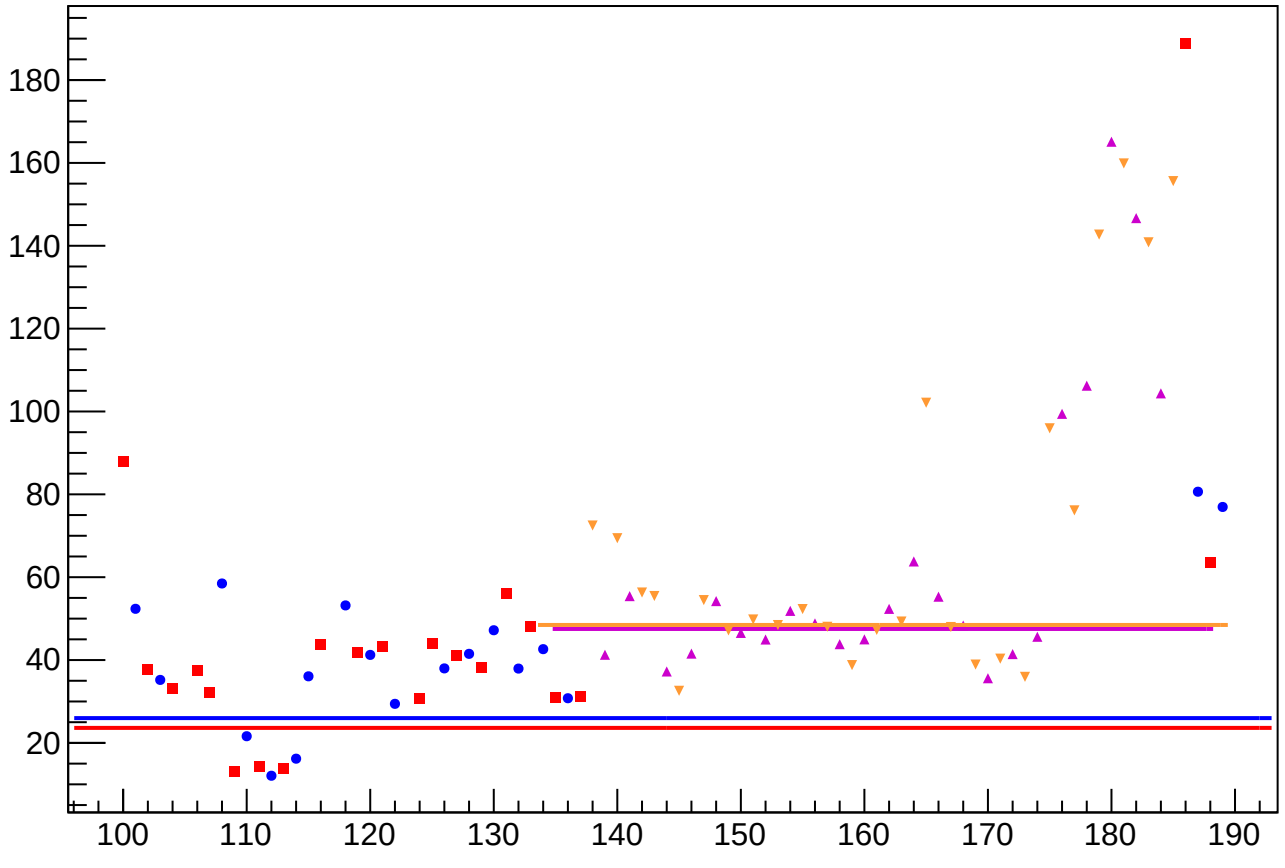
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.005+/-0.007 χ^2/NDF: 45.6/38

In: 0.017+/-0.008 χ^2/NDF:45.4/40

Out: -0.010+/-0.008 χ^2/NDF:42.1/45

All: 0.003+/-0.006 χ^2/NDF: 93.1/86



Right In: 25.988+/-0.008 χ^2/NDF: 3489306.9/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 23.624+/-0.007 χ^2/NDF: 4478309.8/20

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

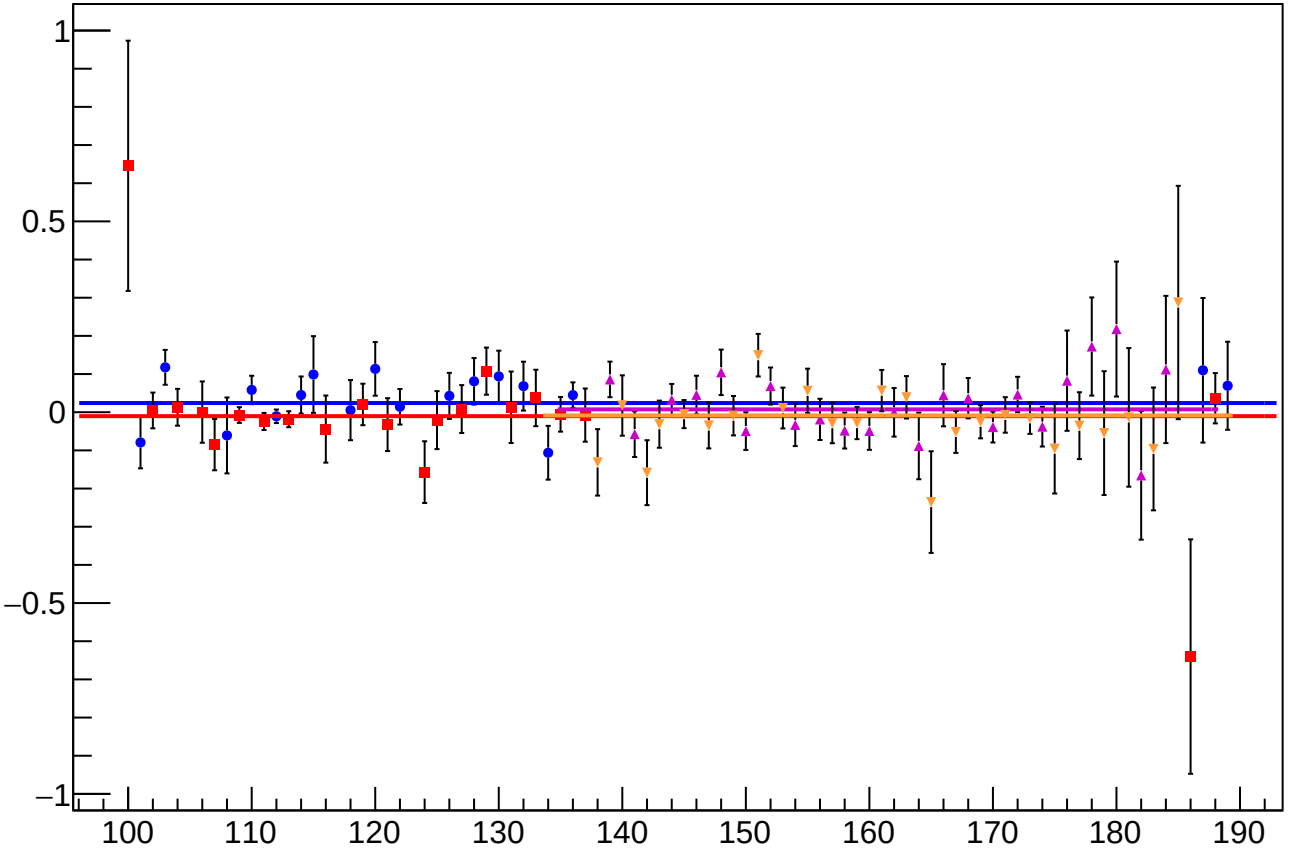
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 24.657+/-0.005 χ^2/NDF: 8019625.9/38

In: 35.784+/-0.006 χ^2/NDF:10048723.9/40

Out: 33.425+/-0.005 χ^2/NDF:14038472.7/45

All: 34.517+/-0.004 χ^2/NDF: 24177865.5/86



Right In: 0.024+/-0.011 χ^2/NDF: 21.1/17

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

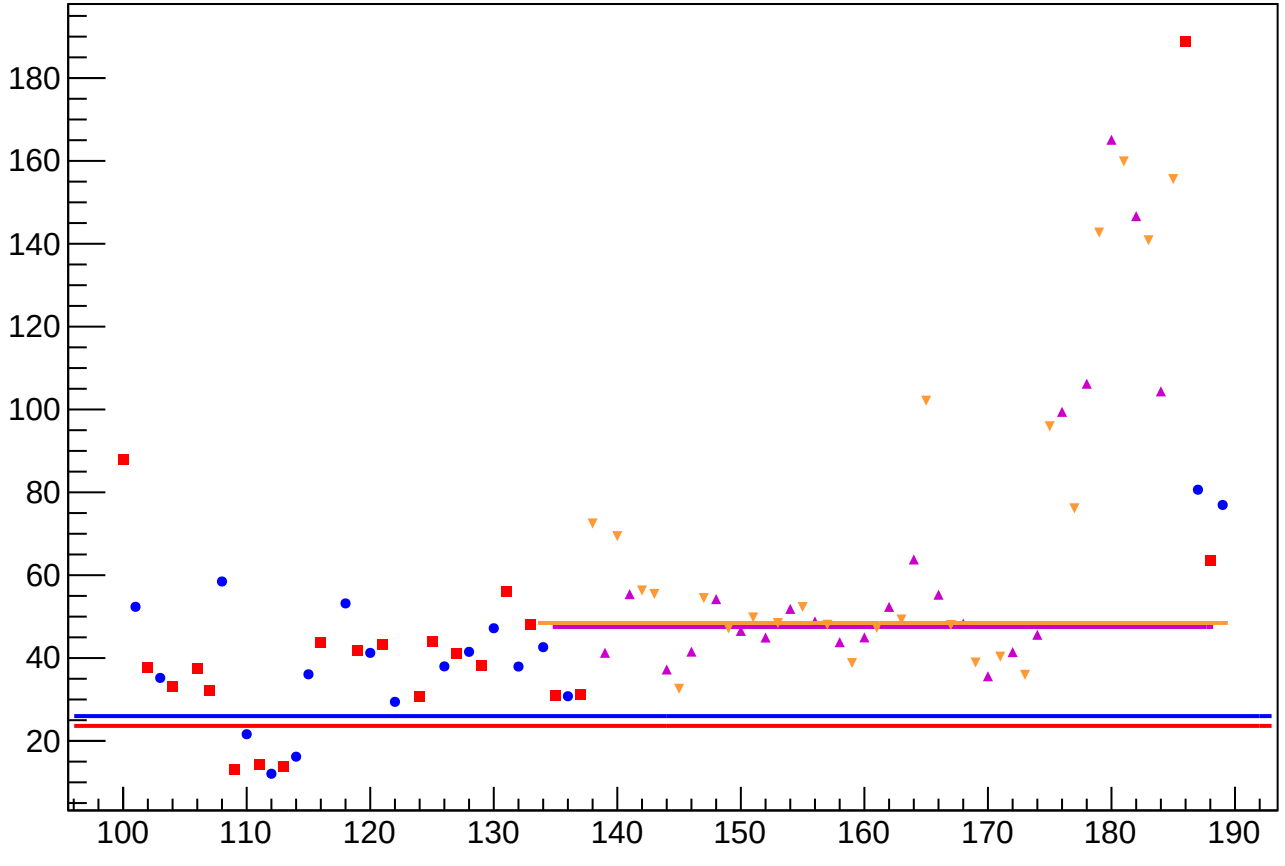
Right: 0.005+/-0.007 χ^2/NDF: 45.6/38

In: 0.017+/-0.008 χ^2/NDF:45.4/40

Out: -0.010+/-0.008 χ^2/NDF:42.1/45

All: 0.003+/-0.006 χ^2/NDF: 93.1/86

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.988+/-0.008 χ^2/NDF: 3489306.9/17

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 23.624+/-0.007 χ^2/NDF: 4478309.8/20

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

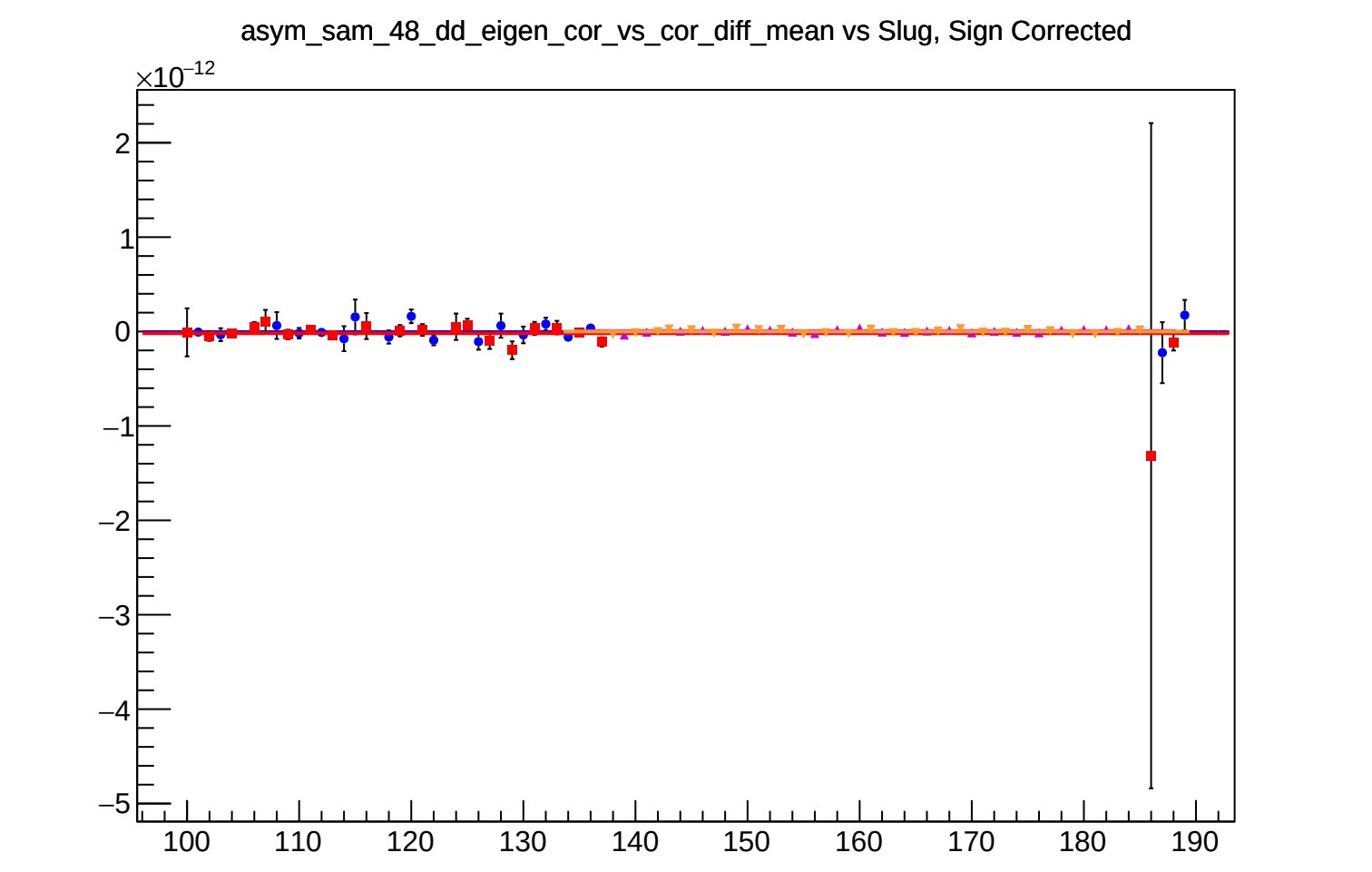
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 24.657+/-0.005 χ^2/NDF: 8019625.9/38

In: 35.784+/-0.006 χ^2/NDF:10048723.9/40

Out: 33.425+/-0.005 χ^2/NDF:14038472.7/45

All: 34.517+/-0.004 χ^2/NDF: 24177865.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

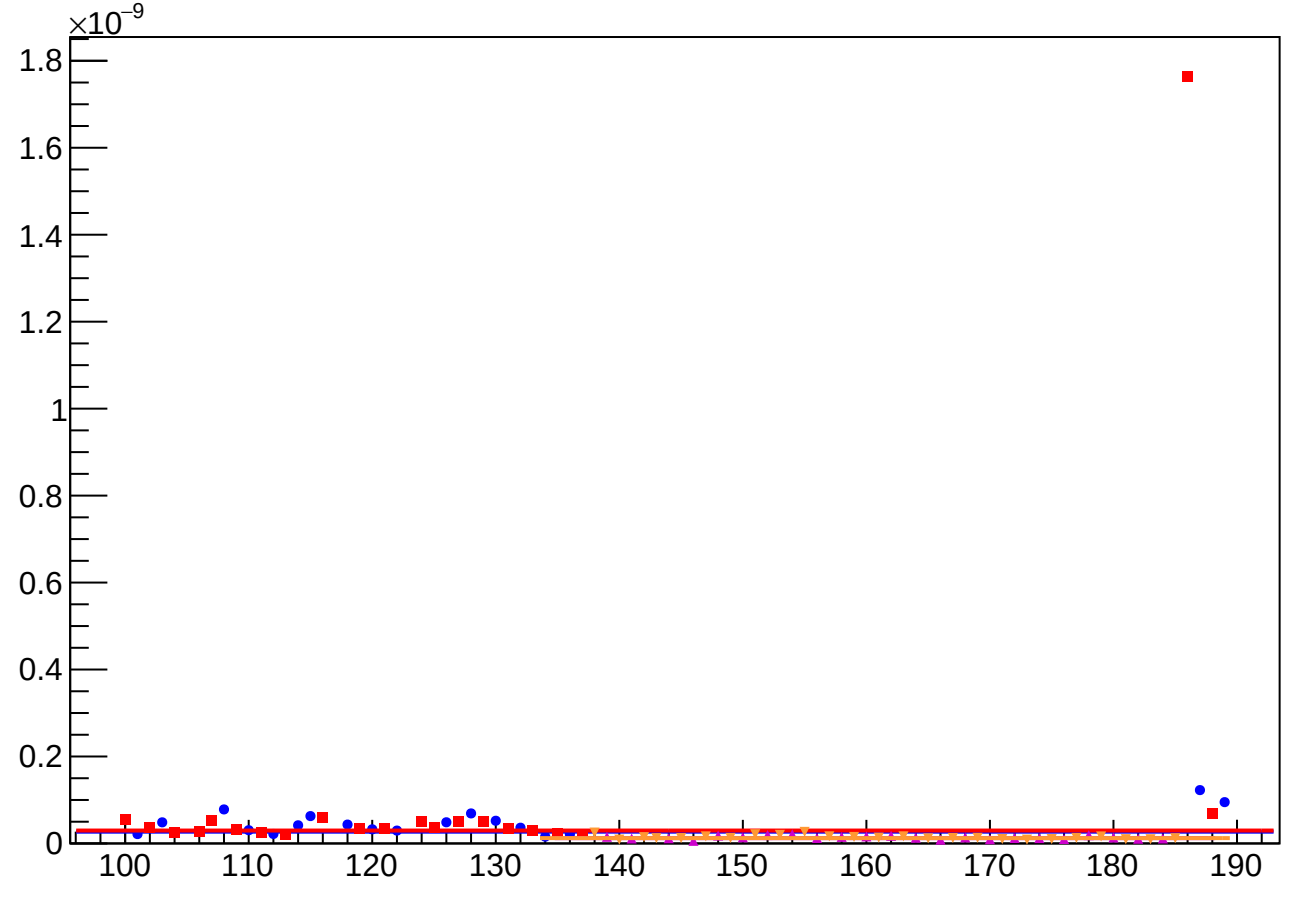
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 37.3/38

In: 0.000+/-0.000 χ^2/NDF:40.3/40

Out: -0.000+/-0.000 χ^2/NDF:49.5/45

All: 0.000+/-0.000 χ^2/NDF: 91.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 2226303.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1785073.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

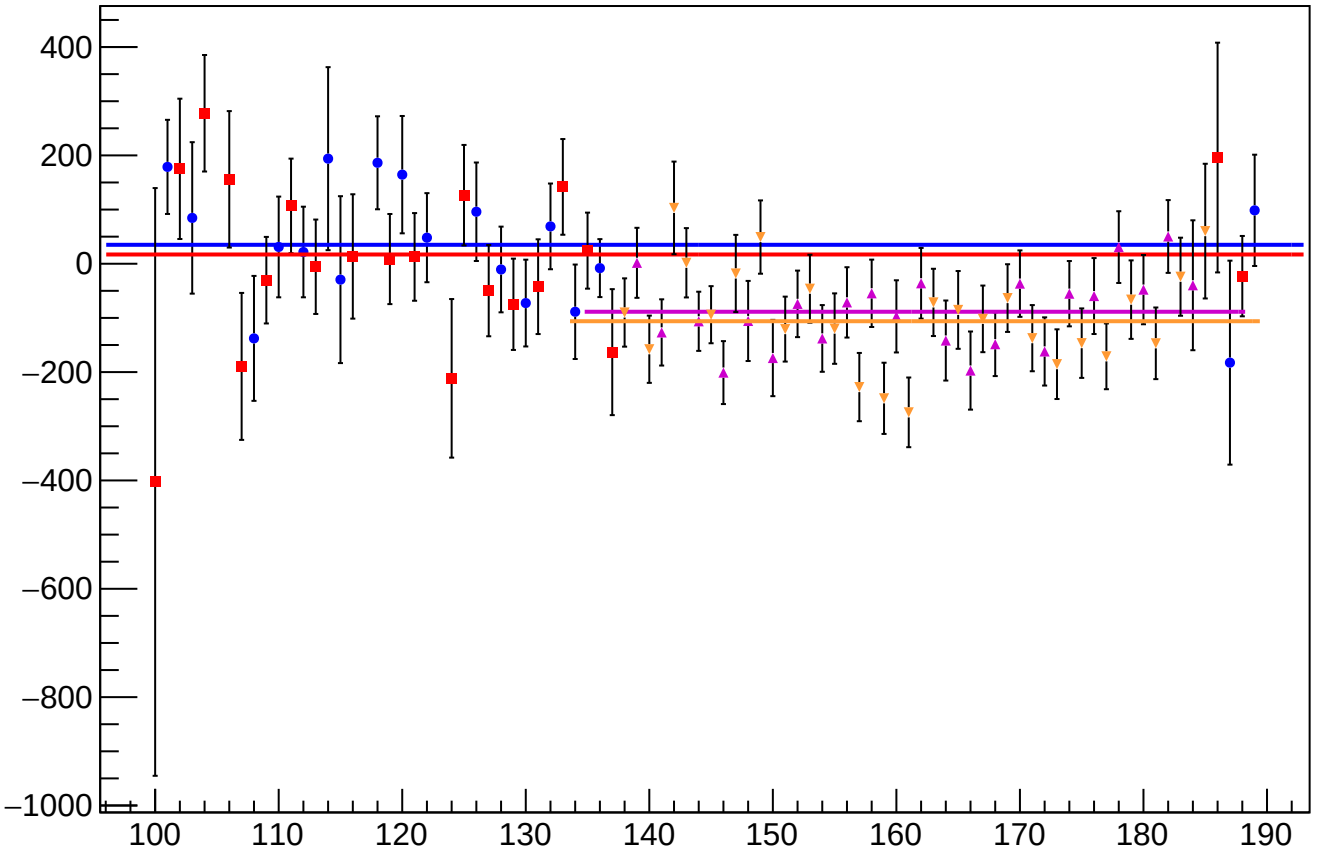
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 4051579.2/38

In: 0.000+/-0.000 χ^2/NDF:6709547.5/40

Out: 0.000+/-0.000 χ^2/NDF:6986569.9/45

All: 0.000+/-0.000 χ^2/NDF: 13696701.4/86



Right In: 34.965+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 17.081+/-21.107 χ^2/NDF: 24.5/20

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

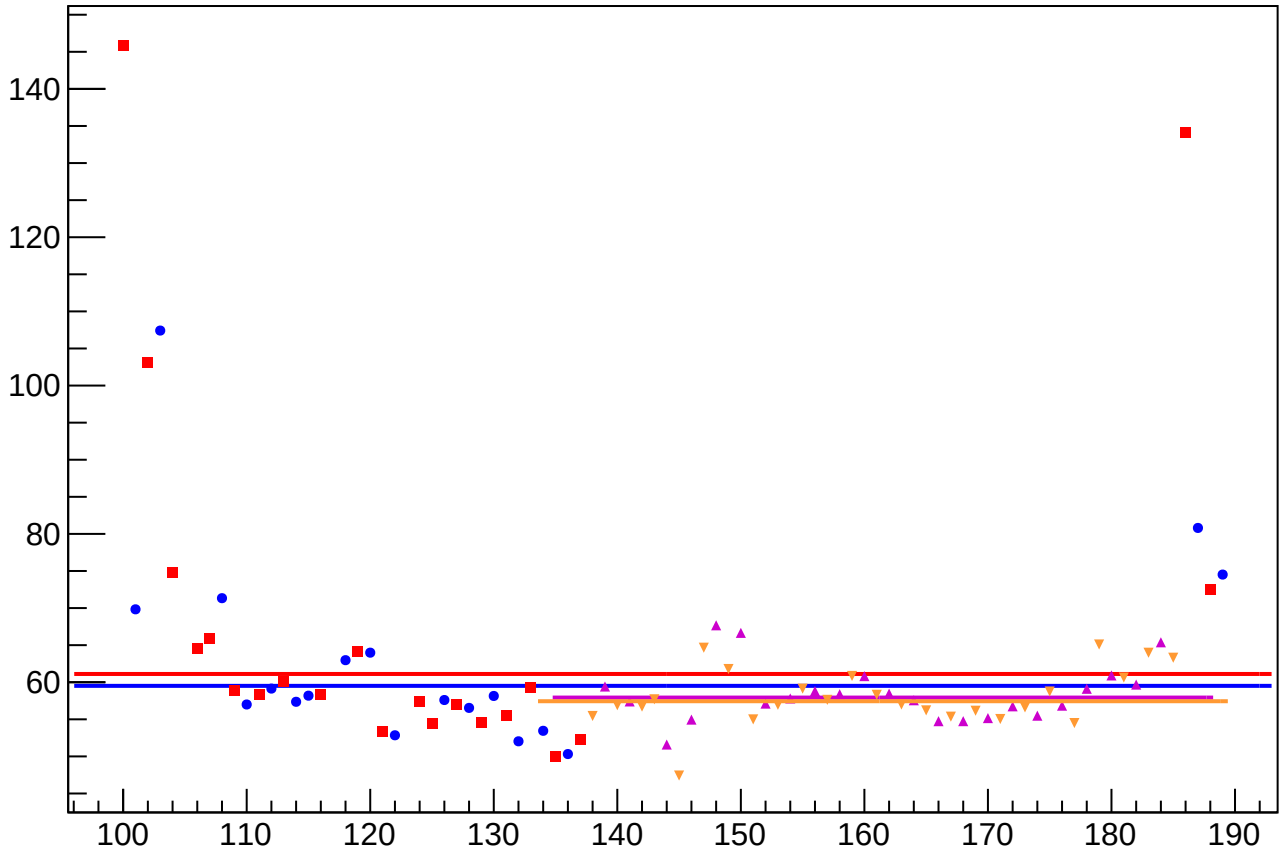
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 25.859+/-15.061 χ^2/NDF: 42.8/38

In: -53.418+/-11.473 χ^2/NDF:65.5/40

Out: -71.886+/-11.124 χ^2/NDF:89.8/45

All: -62.937+/-7.986 χ^2/NDF: 156.6/86



Right In: 59.513+/-0.015 χ^2/NDF: 465005.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.115+/-0.015 χ^2/NDF: 704293.2/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

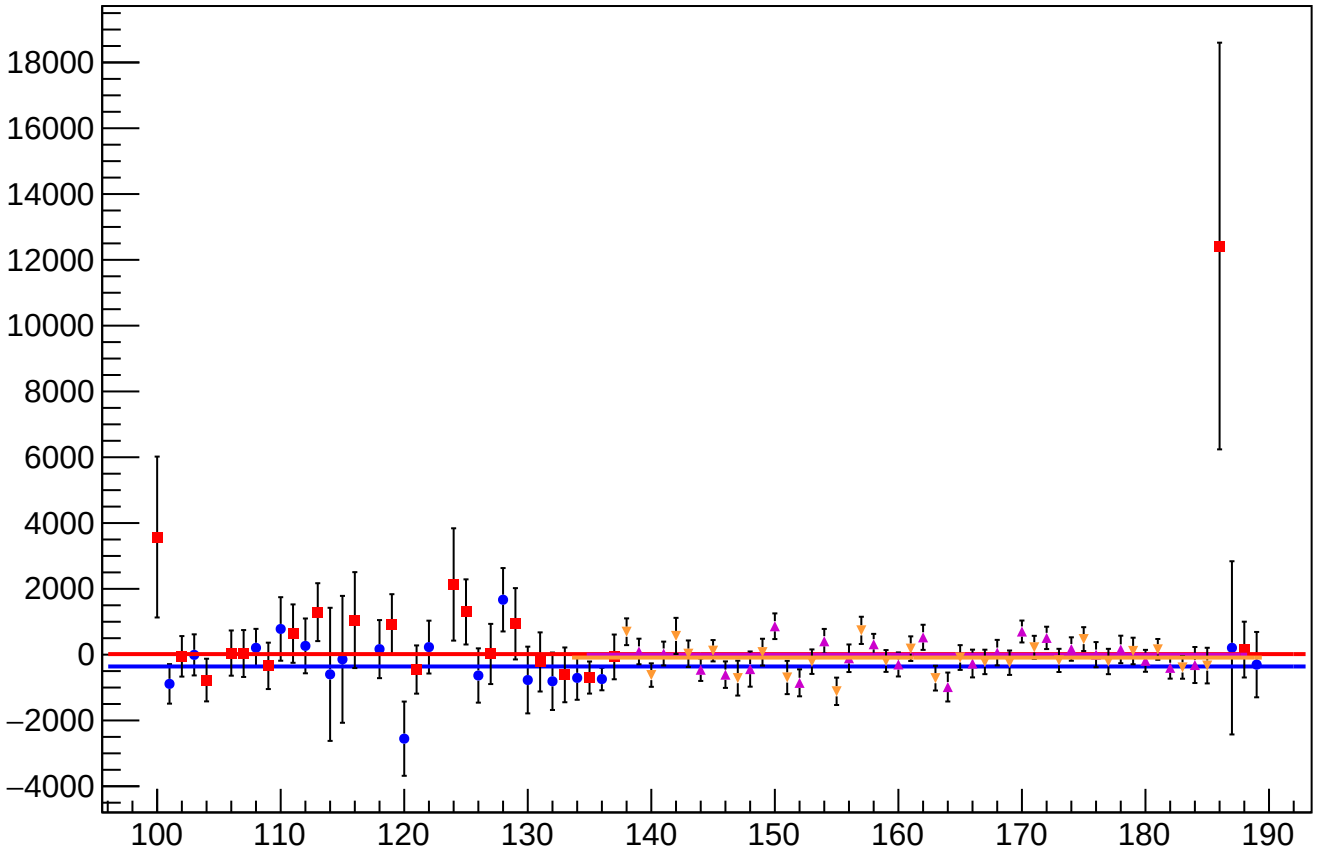
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 60.328+/-0.011 χ^2/NDF: 1174955.3/38

In: 58.383+/-0.008 χ^2/NDF:608634.6/40

Out: 58.461+/-0.008 χ^2/NDF:922631.8/45

All: 58.423+/-0.006 χ^2/NDF: 1531314.3/86



Right In: -359.550+/-177.284 χ^2/NDF: 15.3/17

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 16.709+/-178.887 χ^2/NDF: 19.1/20

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

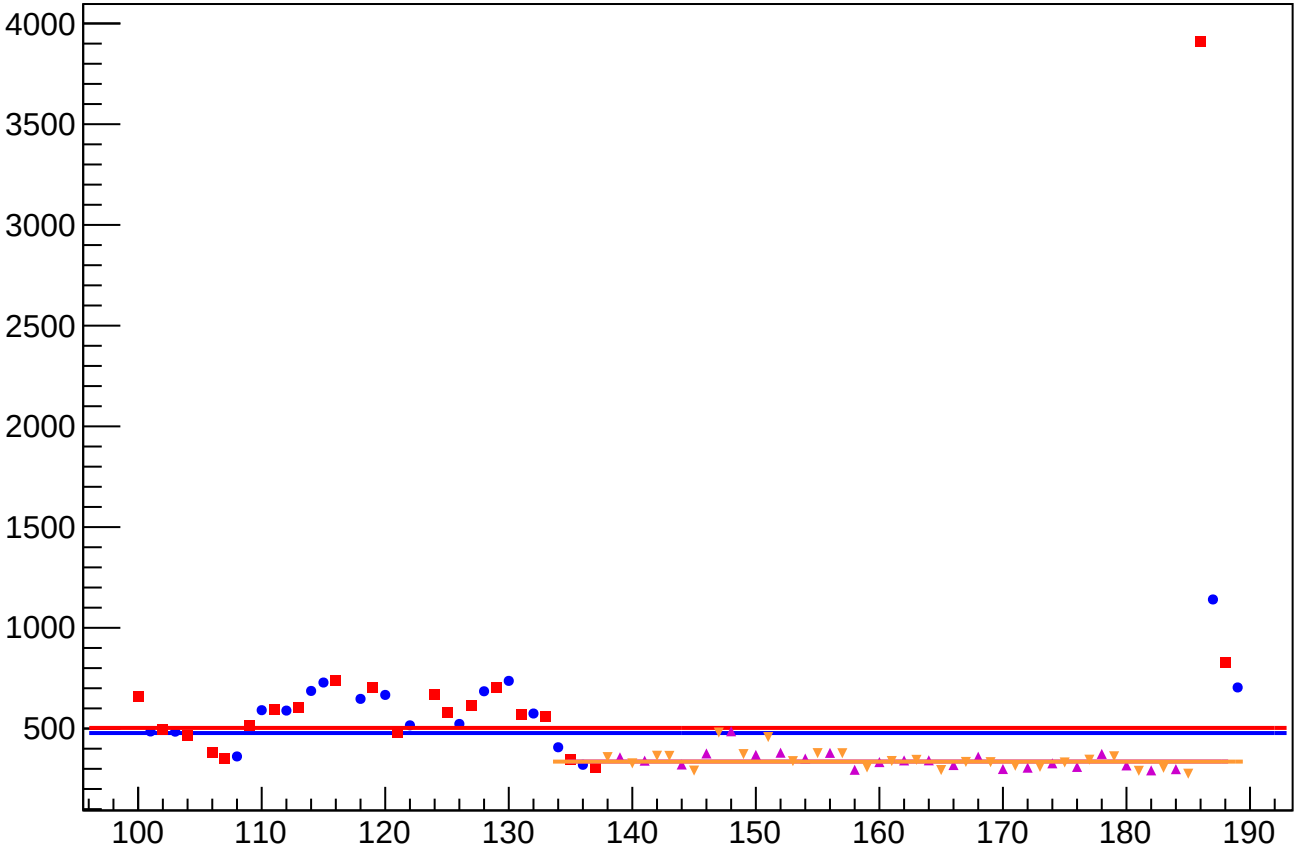
Right: -173.114+/-125.922 χ^2/NDF: 36.7/38

In: -62.350+/-72.307 χ^2/NDF:52.2/40

Out: -72.521+/-70.735 χ^2/NDF:49.4/45

All: -67.547+/-50.564 χ^2/NDF: 101.6/86

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 477.671+/-0.125 χ^2/NDF: 1267911.0/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 503.138+/-0.126 χ^2/NDF: 1795956.7/20

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

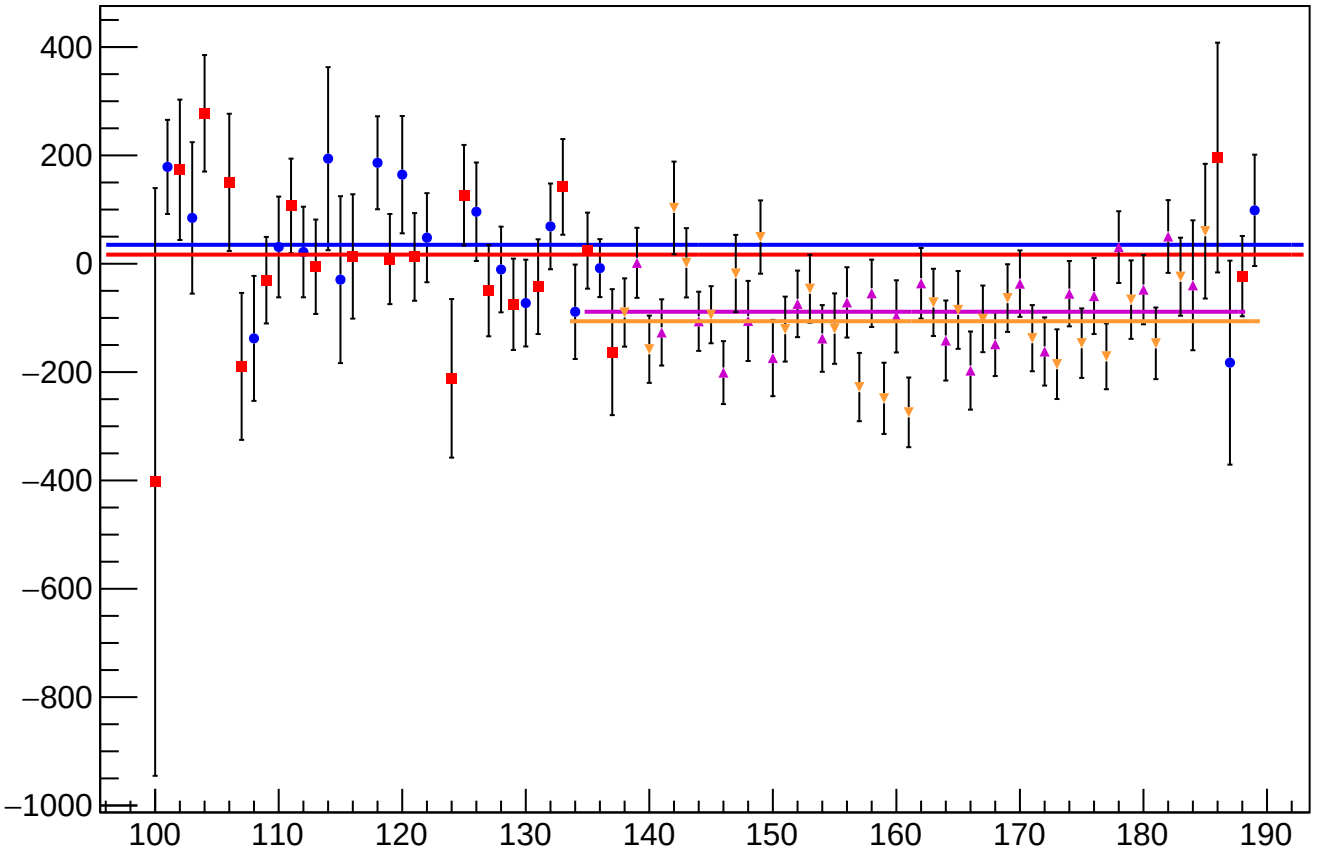
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 490.290+/-0.089 χ^2/NDF: 3084317.8/38

In: 359.853+/-0.051 χ^2/NDF:2741686.6/40

Out: 362.043+/-0.050 χ^2/NDF:3804589.8/45

All: 360.972+/-0.036 χ^2/NDF: 6547214.5/86



Right In: 34.964+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.831+/-21.110 χ^2/NDF: 24.4/20

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

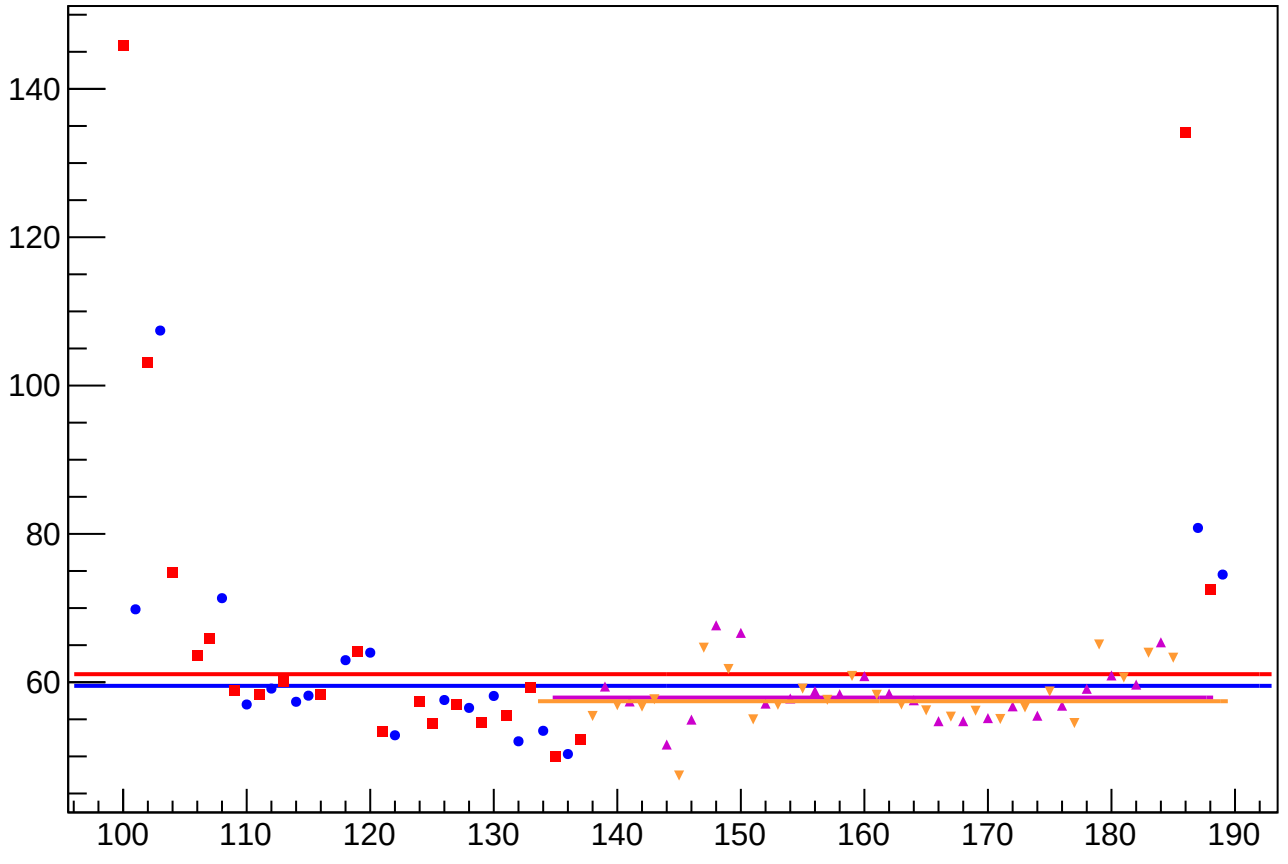
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 25.733+/-15.062 χ^2/NDF: 42.6/38

In: -53.420+/-11.473 χ^2/NDF:65.5/40

Out: -71.963+/-11.124 χ^2/NDF:89.5/45

All: -62.977+/-7.986 χ^2/NDF: 156.3/86



Right In: 59.513+/-0.015 χ^2/NDF: 465007.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.087+/-0.015 χ^2/NDF: 703764.8/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

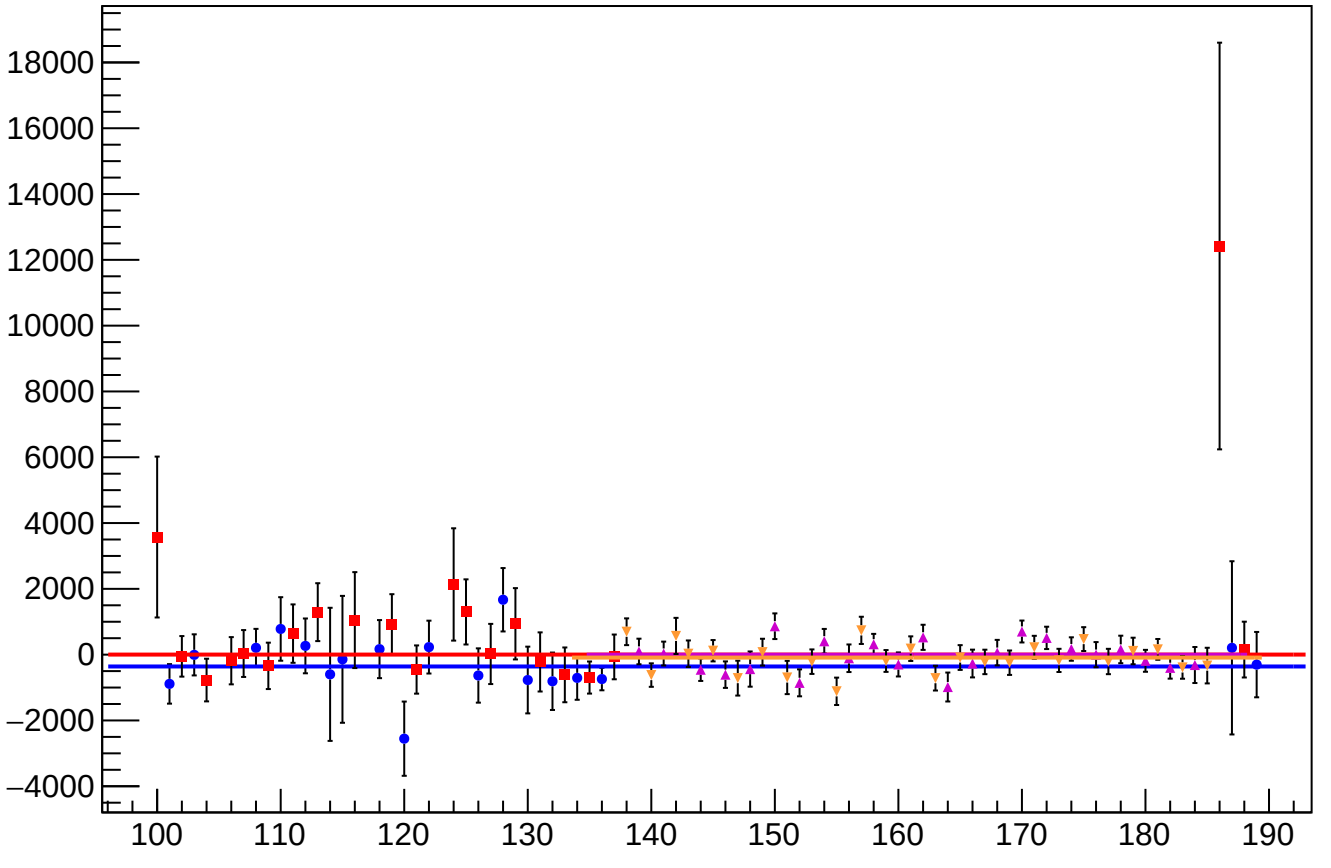
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 60.314+/-0.011 χ^2/NDF: 1174229.8/38

In: 58.383+/-0.008 χ^2/NDF:608636.7/40

Out: 58.453+/-0.008 χ^2/NDF:921420.4/45

All: 58.419+/-0.006 χ^2/NDF: 1530095.5/86



Right In: -359.514+/-177.285 χ^2/NDF: 15.3/17

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 2.002+/-179.414 χ^2/NDF: 19.2/20

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

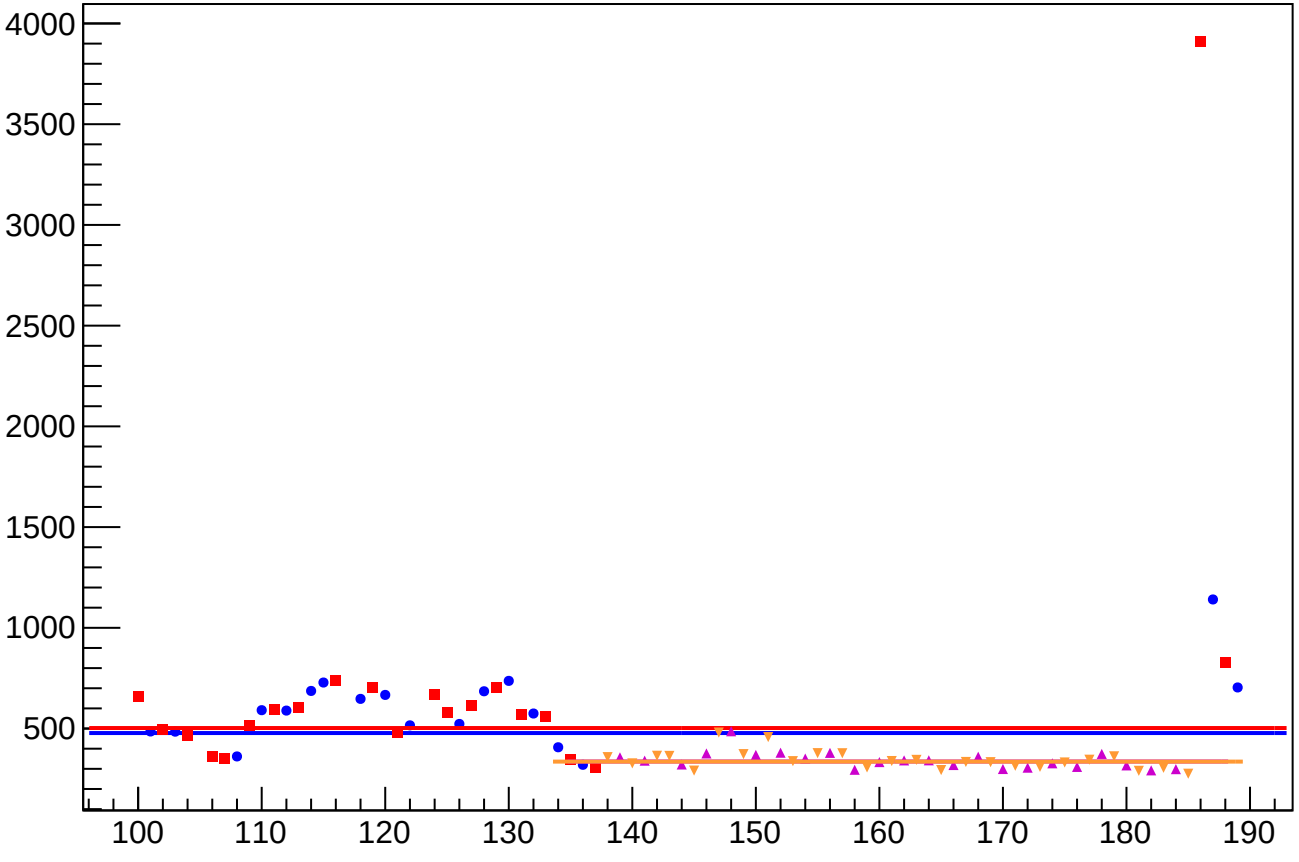
Right: -180.914+/-126.105 χ^2/NDF: 36.5/38

In: -62.345+/-72.307 χ^2/NDF:52.2/40

Out: -74.894+/-70.767 χ^2/NDF:49.3/45

All: -68.754+/-50.576 χ^2/NDF: 101.6/86

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 477.674+/-0.125 χ^2/NDF: 1267910.4/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 502.569+/-0.127 χ^2/NDF: 1812064.6/20

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

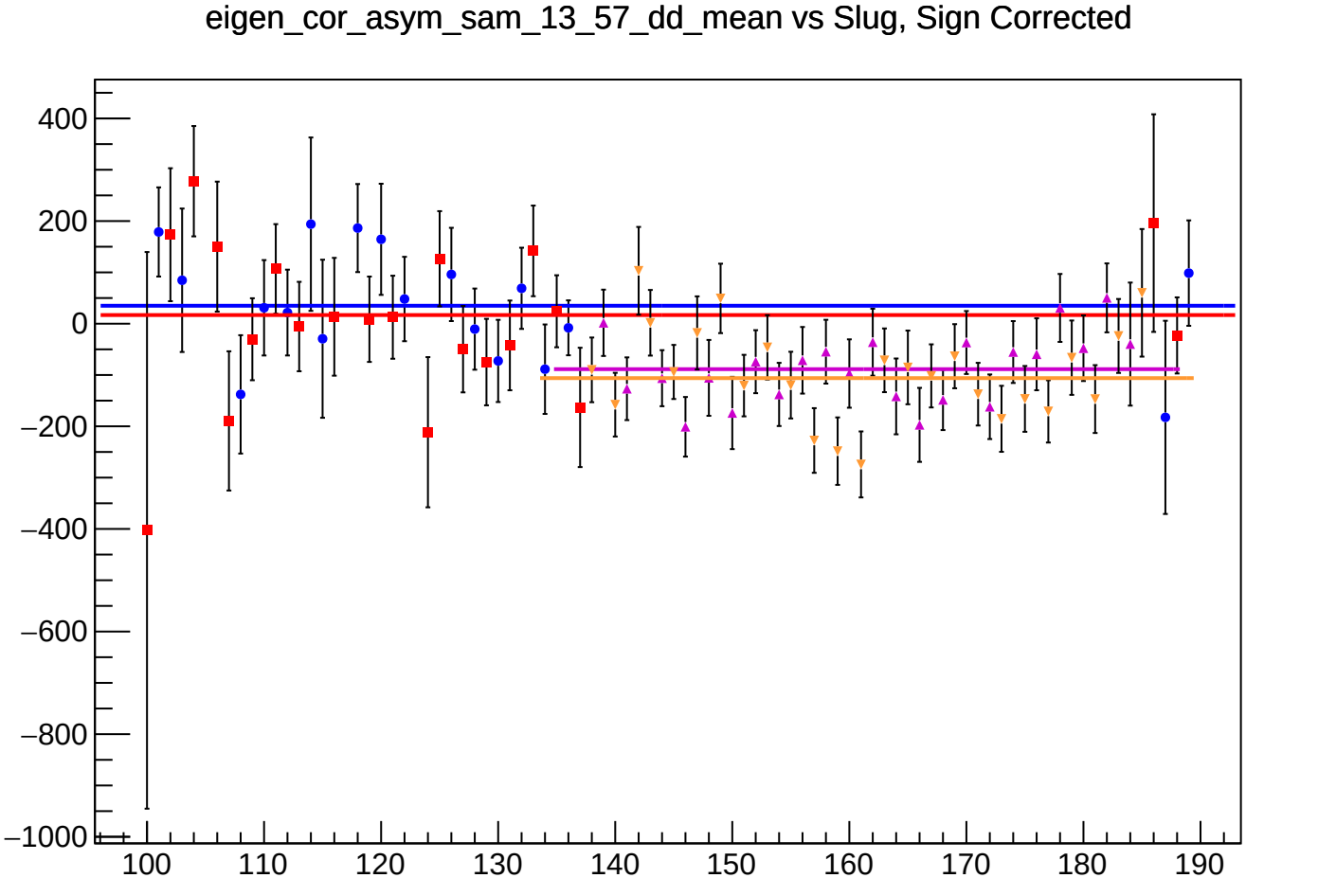
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 489.973+/-0.089 χ^2/NDF: 3099459.8/38

In: 359.853+/-0.051 χ^2/NDF:2741720.3/40

Out: 361.826+/-0.050 χ^2/NDF:3803430.9/45

All: 360.861+/-0.036 χ^2/NDF: 6545911.3/86



Right In: 34.964+/-21.496 χ^2/NDF: 17.9/17

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.831+/-21.110 χ^2/NDF: 24.4/20

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

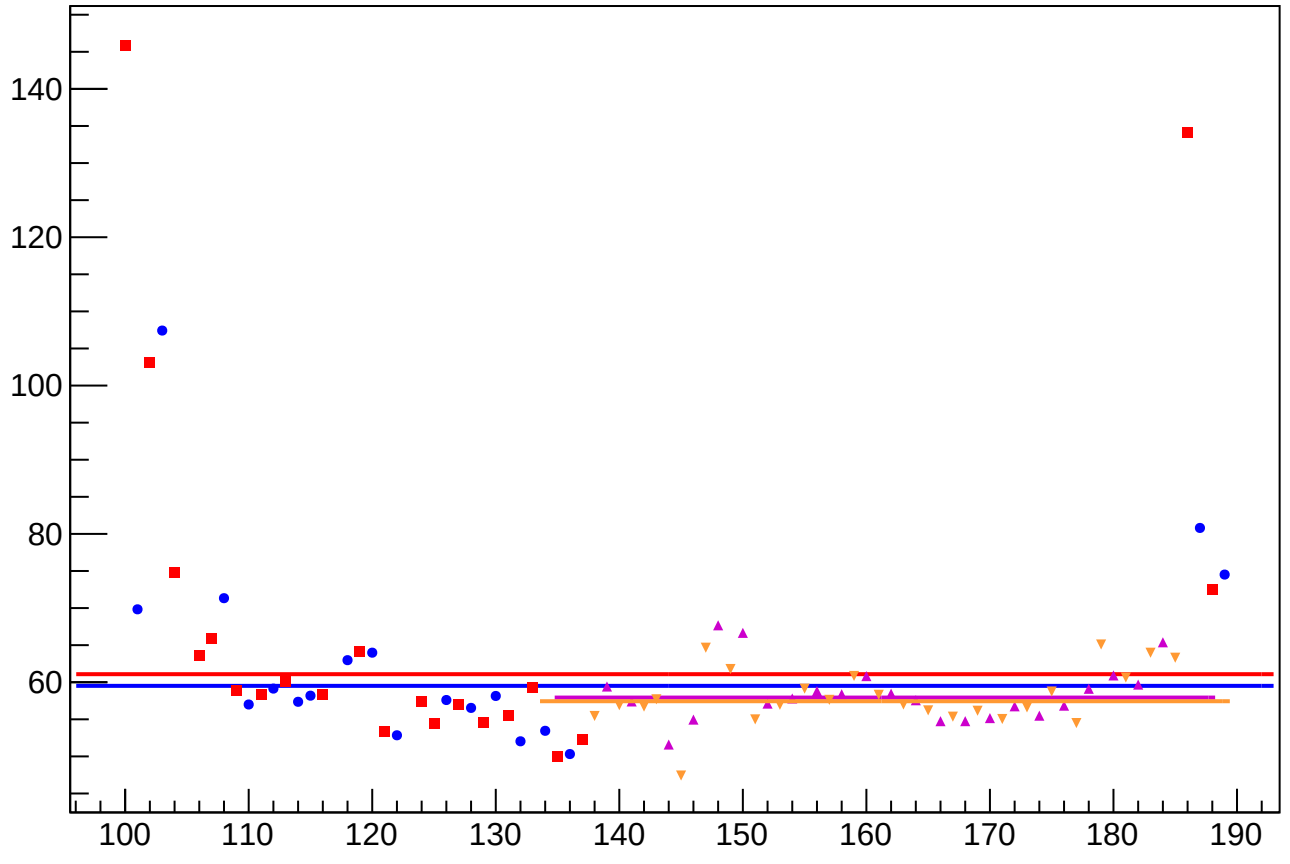
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 25.733+/-15.062 χ^2/NDF: 42.6/38

In: -53.420+/-11.473 χ^2/NDF:65.5/40

Out: -71.963+/-11.124 χ^2/NDF:89.5/45

All: -62.977+/-7.986 χ^2/NDF: 156.3/86



Right In: 59.513+/-0.015 χ^2/NDF: 465007.1/17

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.087+/-0.015 χ^2/NDF: 703764.8/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

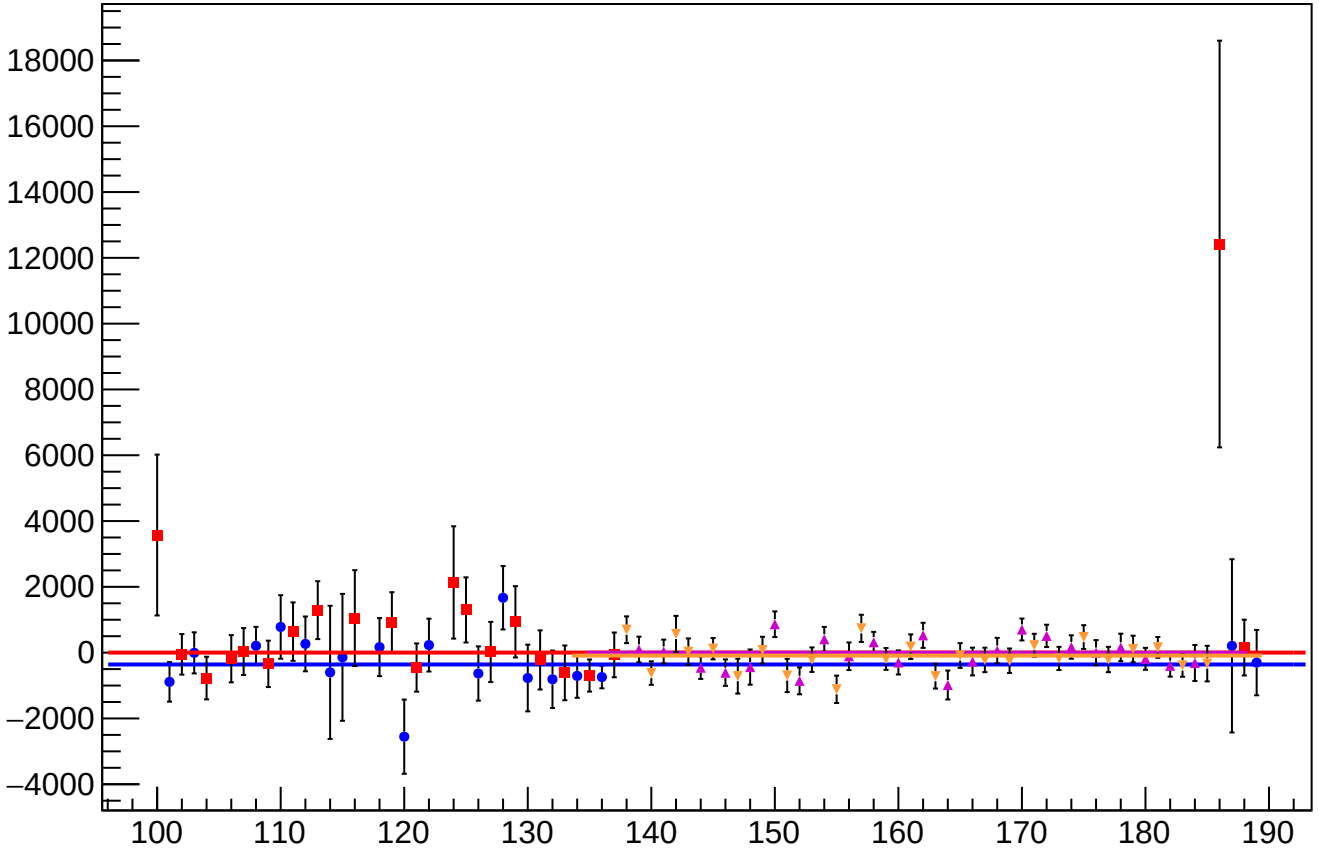
Right: 60.314+/-0.011 χ^2/NDF: 1174229.8/38

In: 58.383+/-0.008 χ^2/NDF:608636.7/40

Out: 58.453+/-0.008 χ^2/NDF:921420.4/45

All: 58.419+/-0.006 χ^2/NDF: 1530095.5/86

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -359.514+/-177.285 χ^2/NDF: 15.3/17

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 2.002+/-179.414 χ^2/NDF: 19.2/20

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

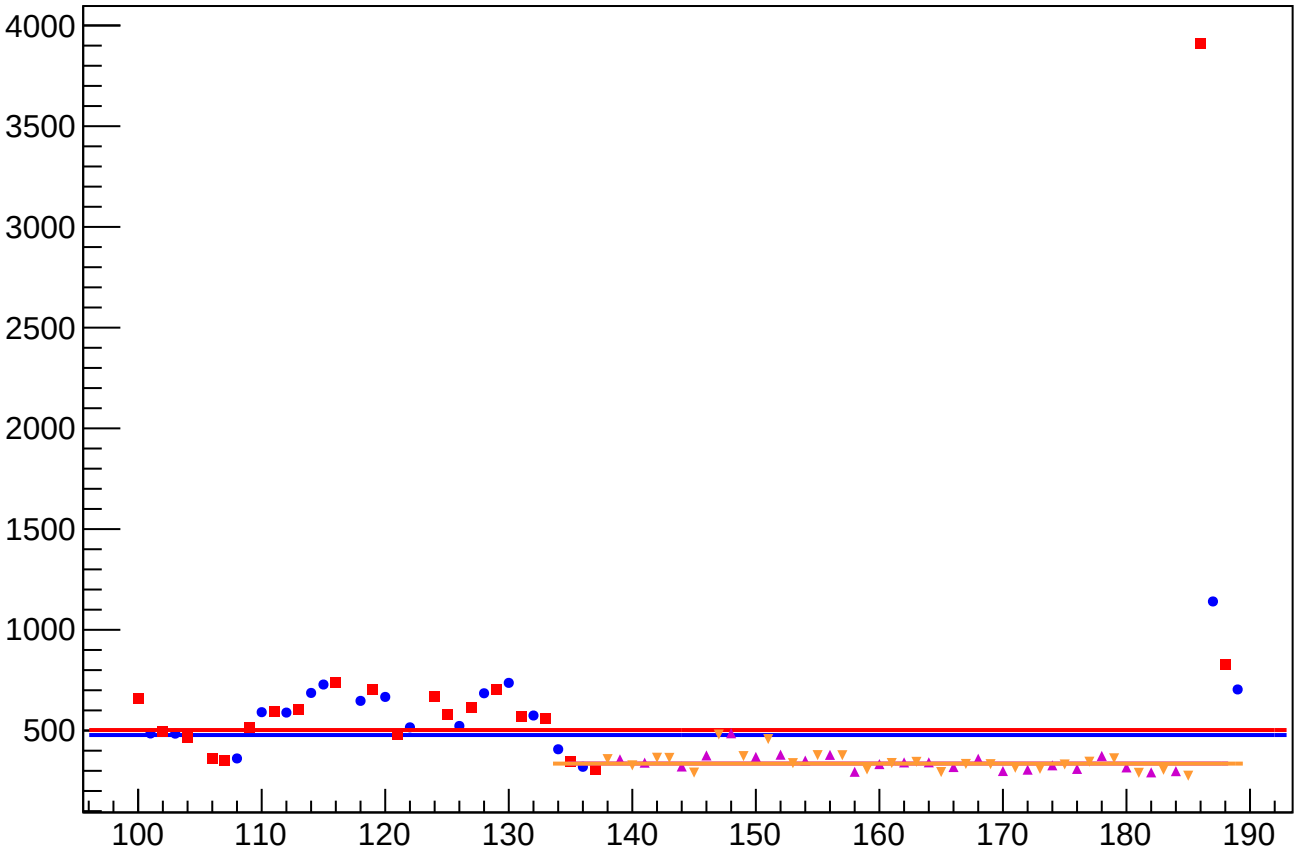
Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

Right: -180.914+/-126.105 χ^2/NDF: 36.5/38

In: -62.345+/-72.307 χ^2/NDF:52.2/40

Out: -74.894+/-70.767 χ^2/NDF:49.3/45

All: -68.754+/-50.576 χ^2/NDF: 101.6/86



Right In: 477.674+/-0.125 χ^2/NDF: 1267910.4/17

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 502.569+/-0.127 χ^2/NDF: 1812064.6/20

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

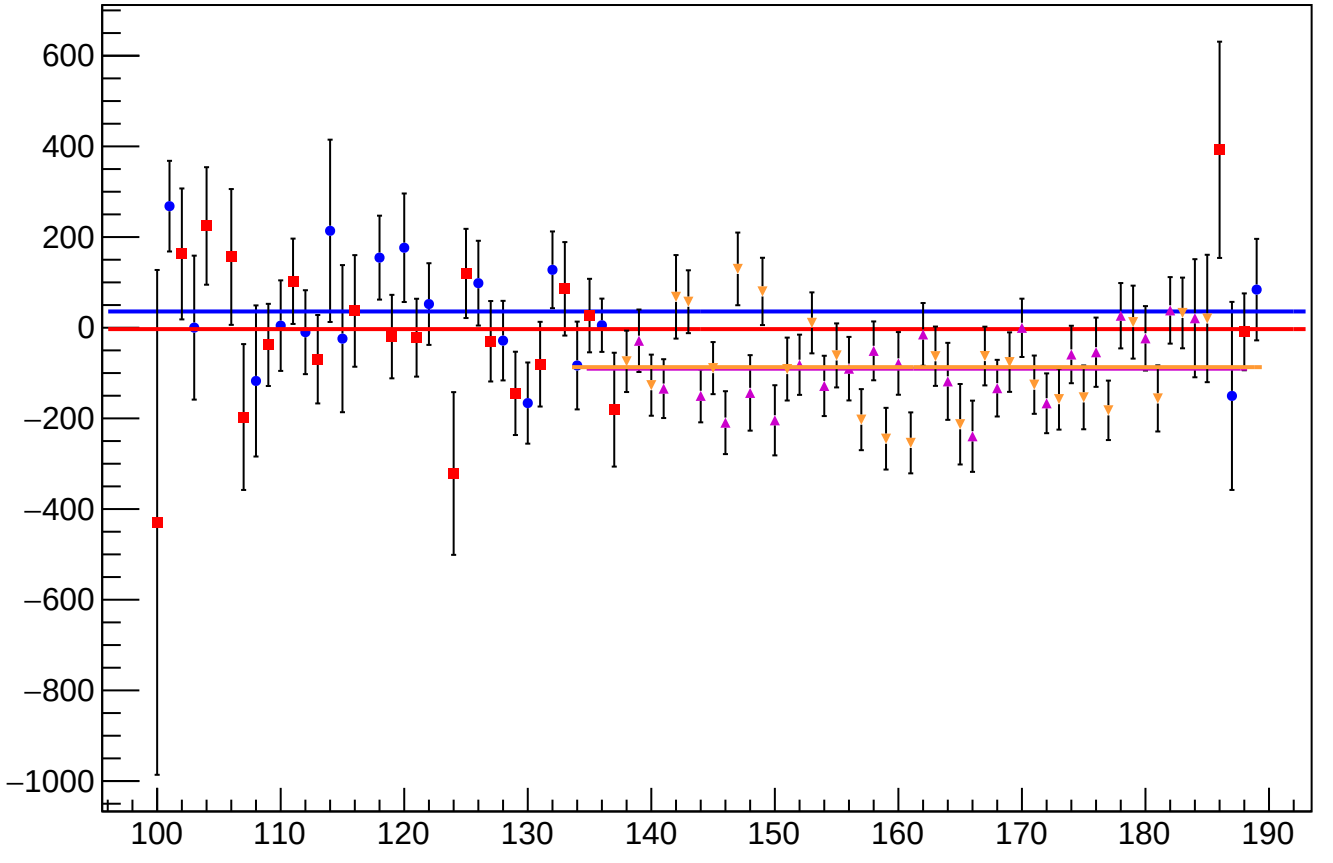
Right: 489.973+/-0.089 χ^2/NDF: 3099459.8/38

In: 359.853+/-0.051 χ^2/NDF:2741720.3/40

Out: 361.826+/-0.050 χ^2/NDF:3803430.9/45

All: 360.861+/-0.036 χ^2/NDF: 6545911.3/86

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 35.867+/-23.750 χ^2/NDF: 20.6/17

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.045+/-23.480 χ^2/NDF: 23.1/20

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

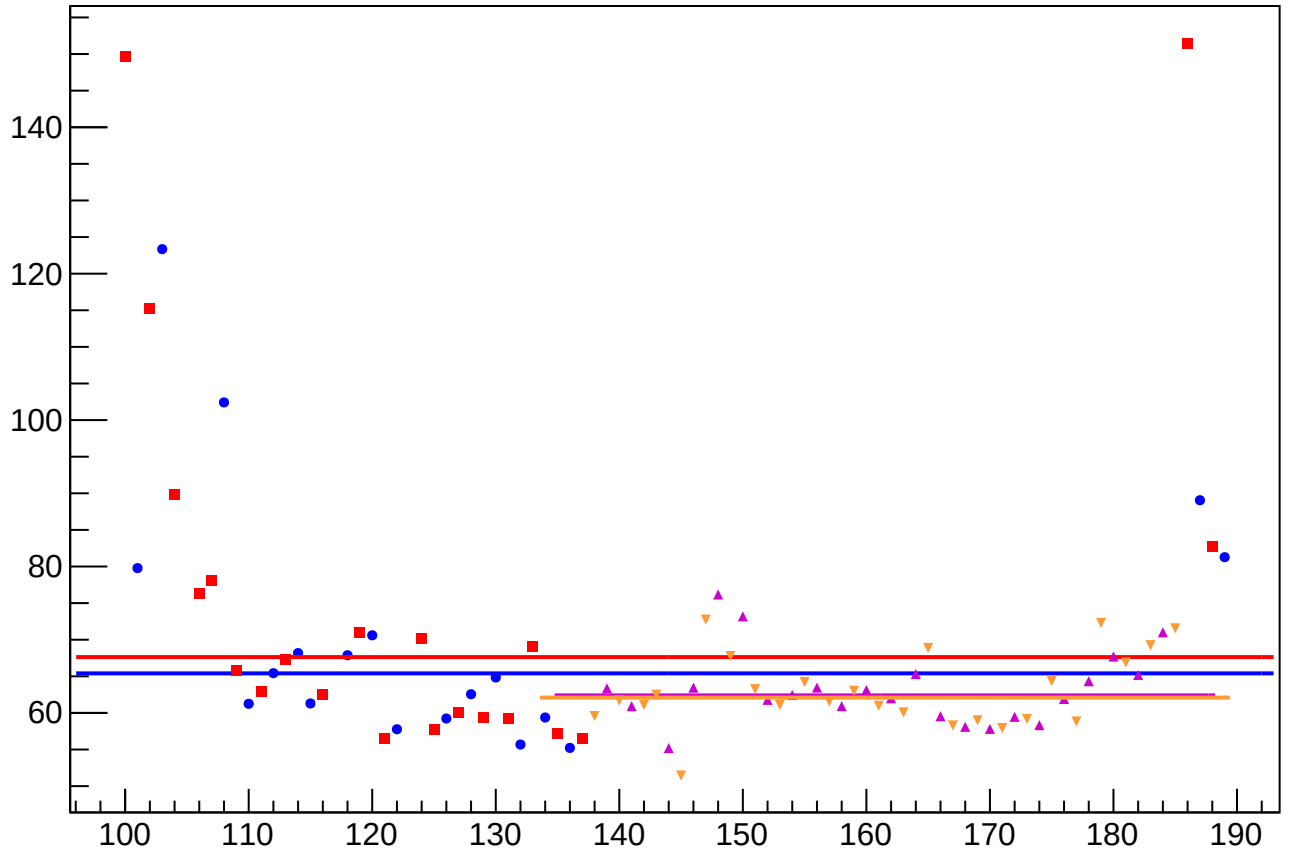
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 16.189+/-16.697 χ^2/NDF: 45.1/38

In: -55.548+/-12.473 χ^2/NDF:66.1/40

Out: -64.544+/-12.135 χ^2/NDF:81.3/45

All: -60.170+/-8.698 χ^2/NDF: 147.7/86



Right In: 65.404+/-0.017 χ^2/NDF: 602204.8/17

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 67.626+/-0.017 χ^2/NDF: 808307.8/20

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

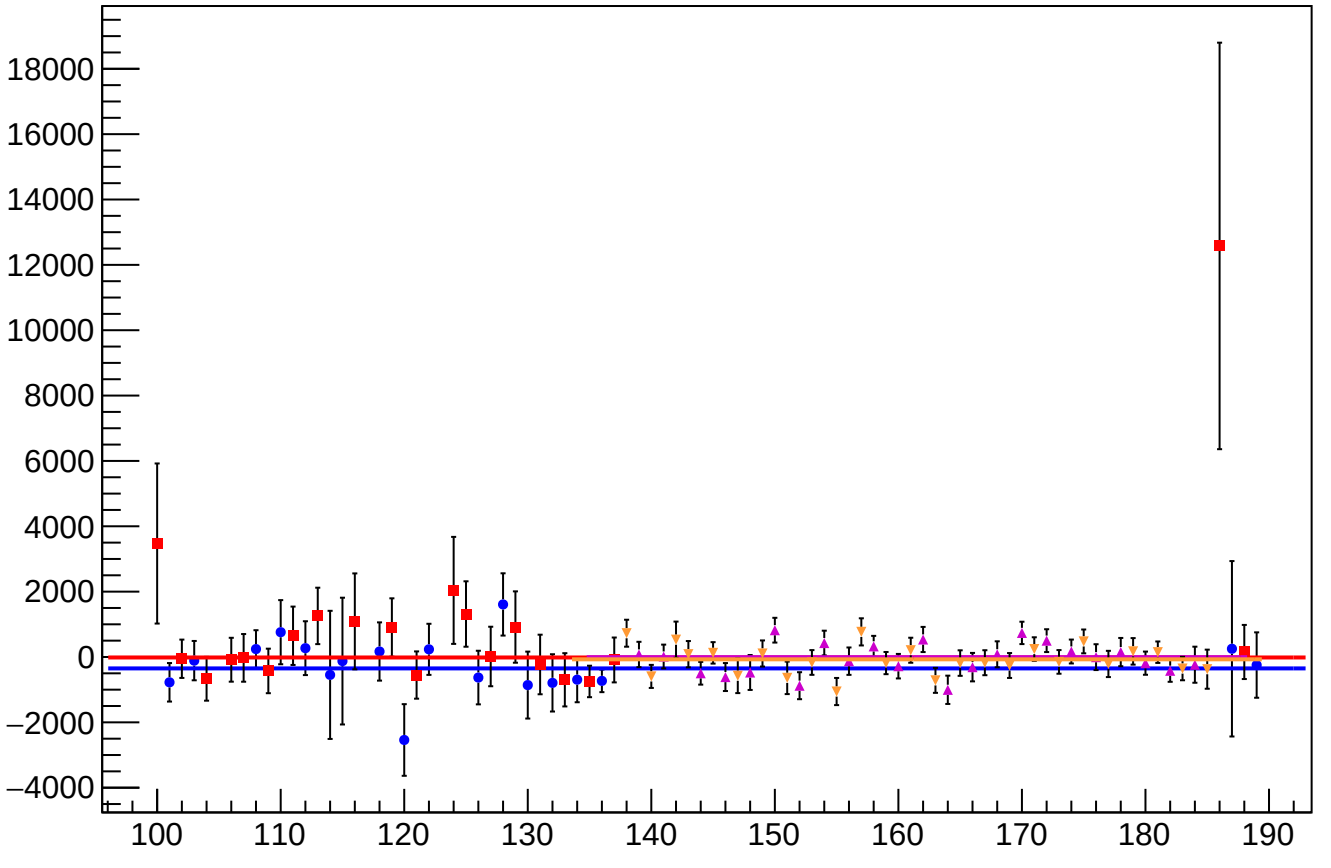
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 66.528+/-0.012 χ^2/NDF: 1419371.0/38

In: 63.225+/-0.009 χ^2/NDF:814263.0/40

Out: 63.571+/-0.009 χ^2/NDF:1123052.7/45

All: 63.403+/-0.006 χ^2/NDF: 1938107.2/86



Right In: -349.485+/-177.089 χ^2/NDF: 14.9/17

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -14.966+/-177.276 χ^2/NDF: 19.6/20

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

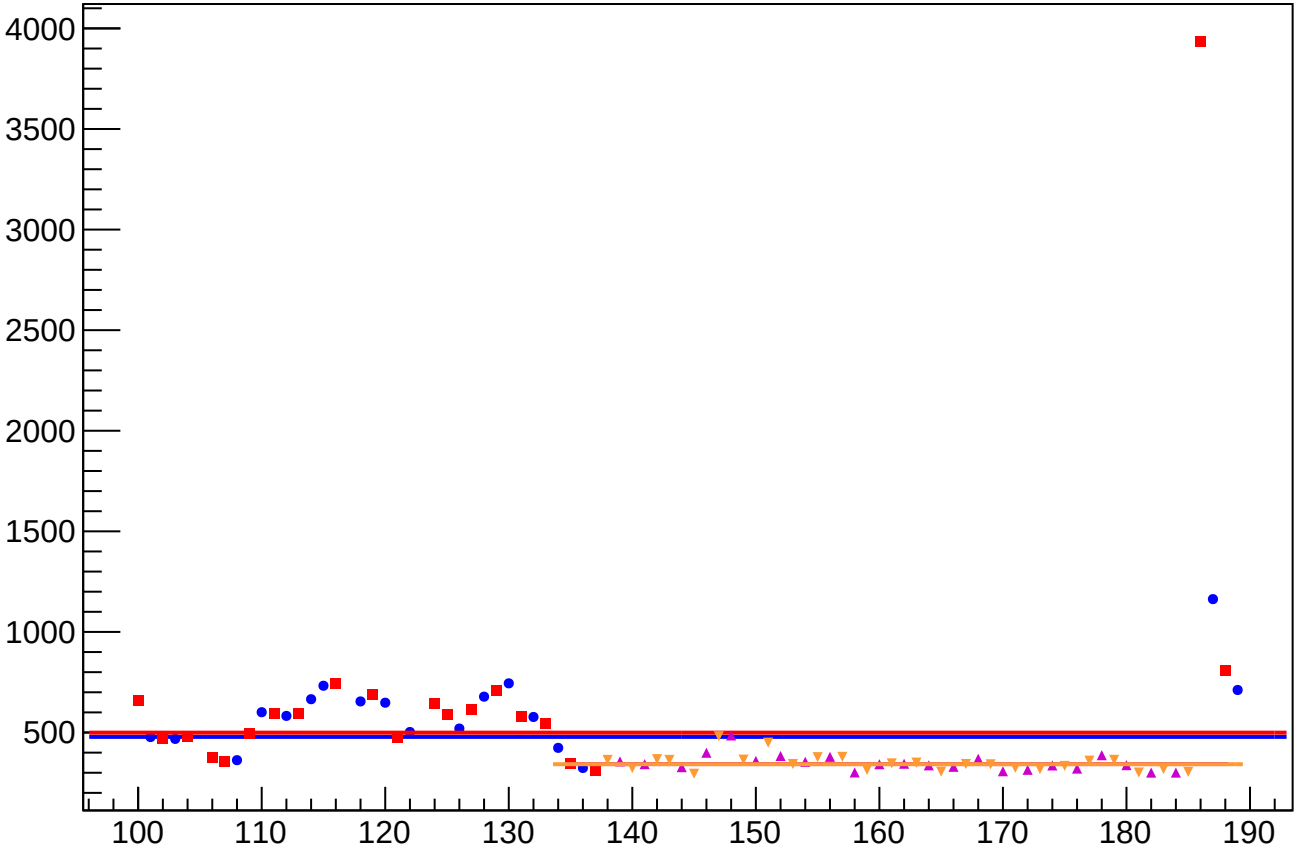
Right: -182.402+/-125.287 χ^2/NDF: 36.2/38

In: -65.248+/-73.480 χ^2/NDF:52.0/40

Out: -62.105+/-71.701 χ^2/NDF:48.2/45

All: -63.638+/-51.317 χ^2/NDF: 100.2/86

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 478.334+/-0.125 χ^2/NDF: 1231581.2/17

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 499.383+/-0.125 χ^2/NDF: 1762062.6/20

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

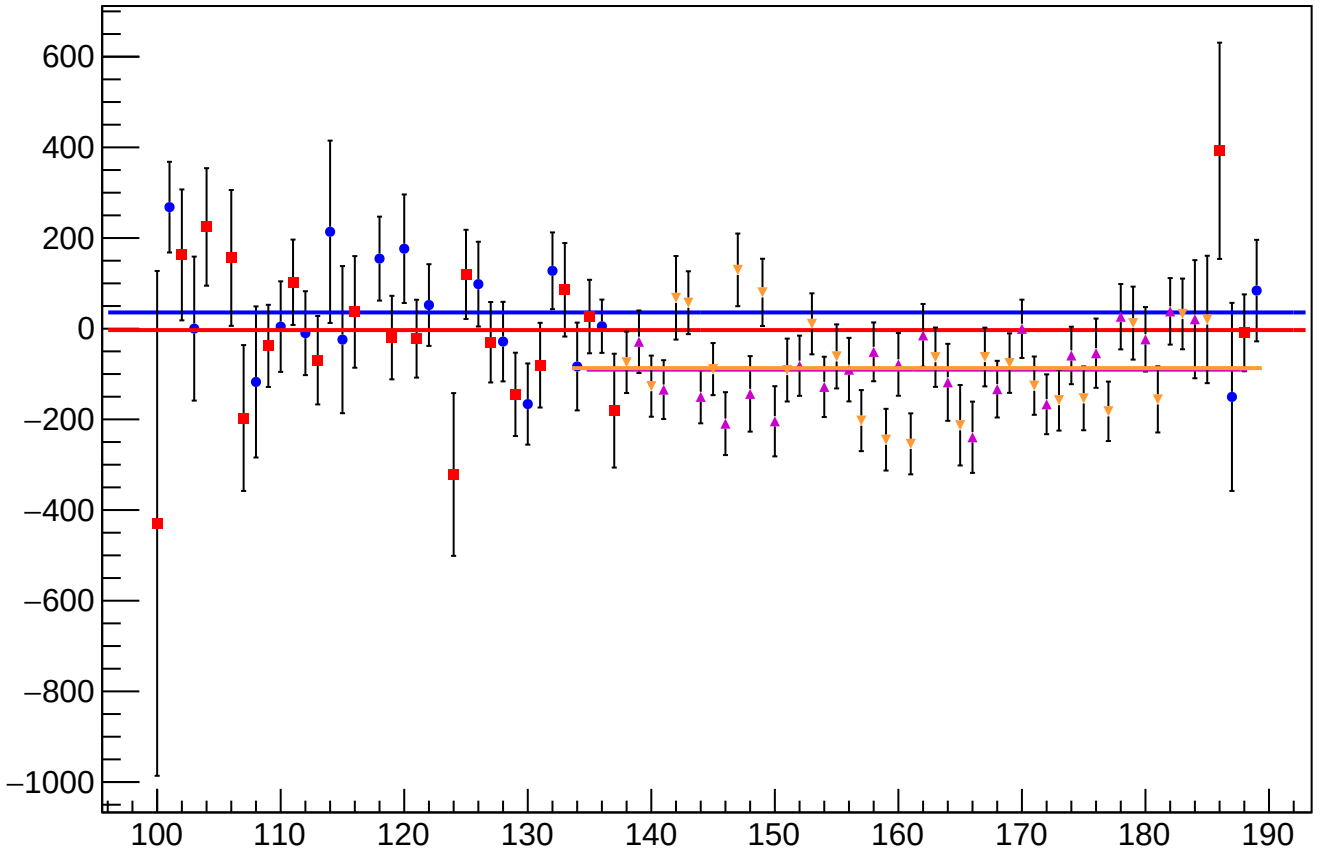
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 488.848+/-0.089 χ^2/NDF: 3007757.3/38

In: 366.503+/-0.052 χ^2/NDF:2568026.7/40

Out: 368.166+/-0.051 χ^2/NDF:3506332.0/45

All: 367.355+/-0.036 χ^2/NDF: 6074883.6/86



Right In: 35.867+/-23.750 χ^2/NDF: 20.6/17

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.045+/-23.480 χ^2/NDF: 23.1/20

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

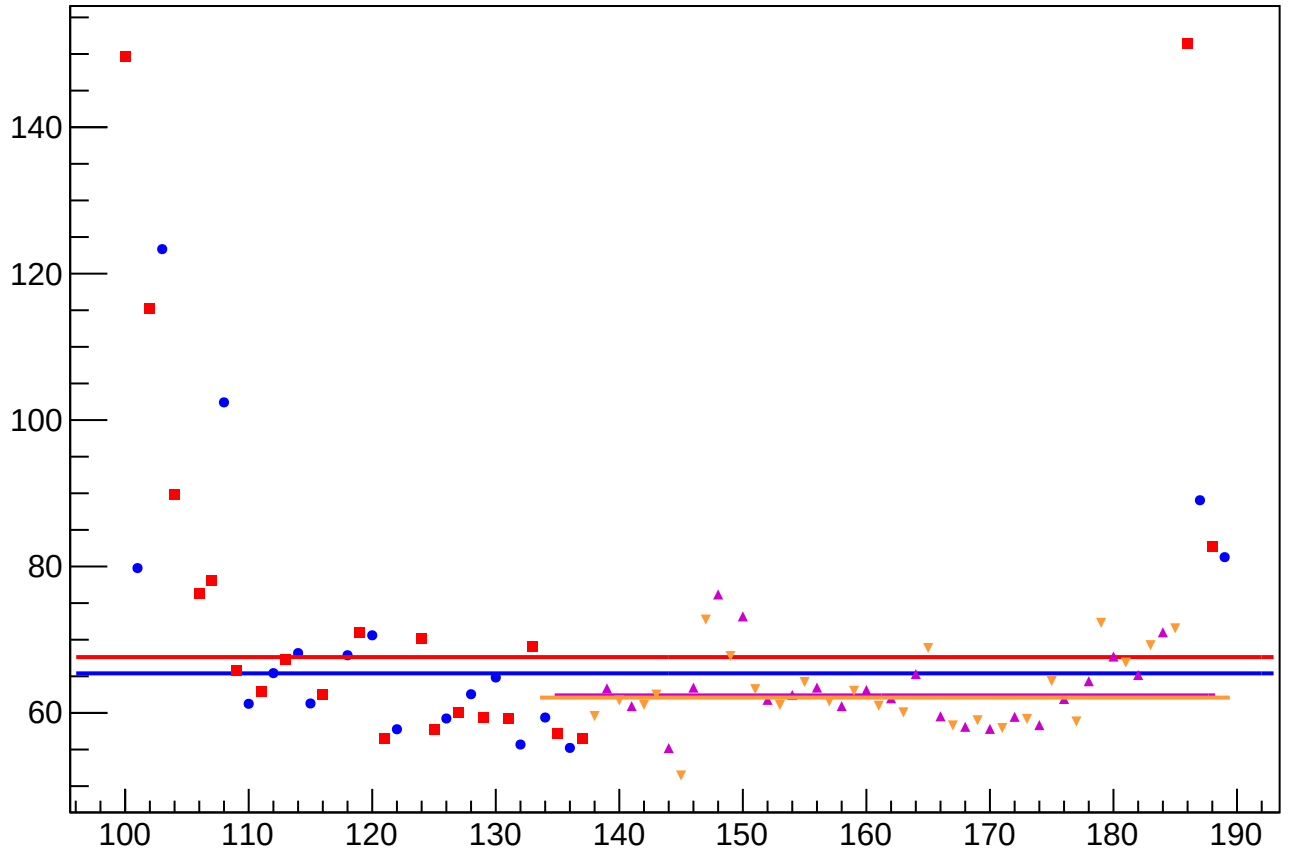
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 16.189+/-16.697 χ^2/NDF: 45.1/38

In: -55.548+/-12.473 χ^2/NDF:66.1/40

Out: -64.544+/-12.135 χ^2/NDF:81.3/45

All: -60.170+/-8.698 χ^2/NDF: 147.7/86



Right In: 65.404+/-0.017 χ^2/NDF: 602215.4/17

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 67.626+/-0.017 χ^2/NDF: 808307.7/20

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

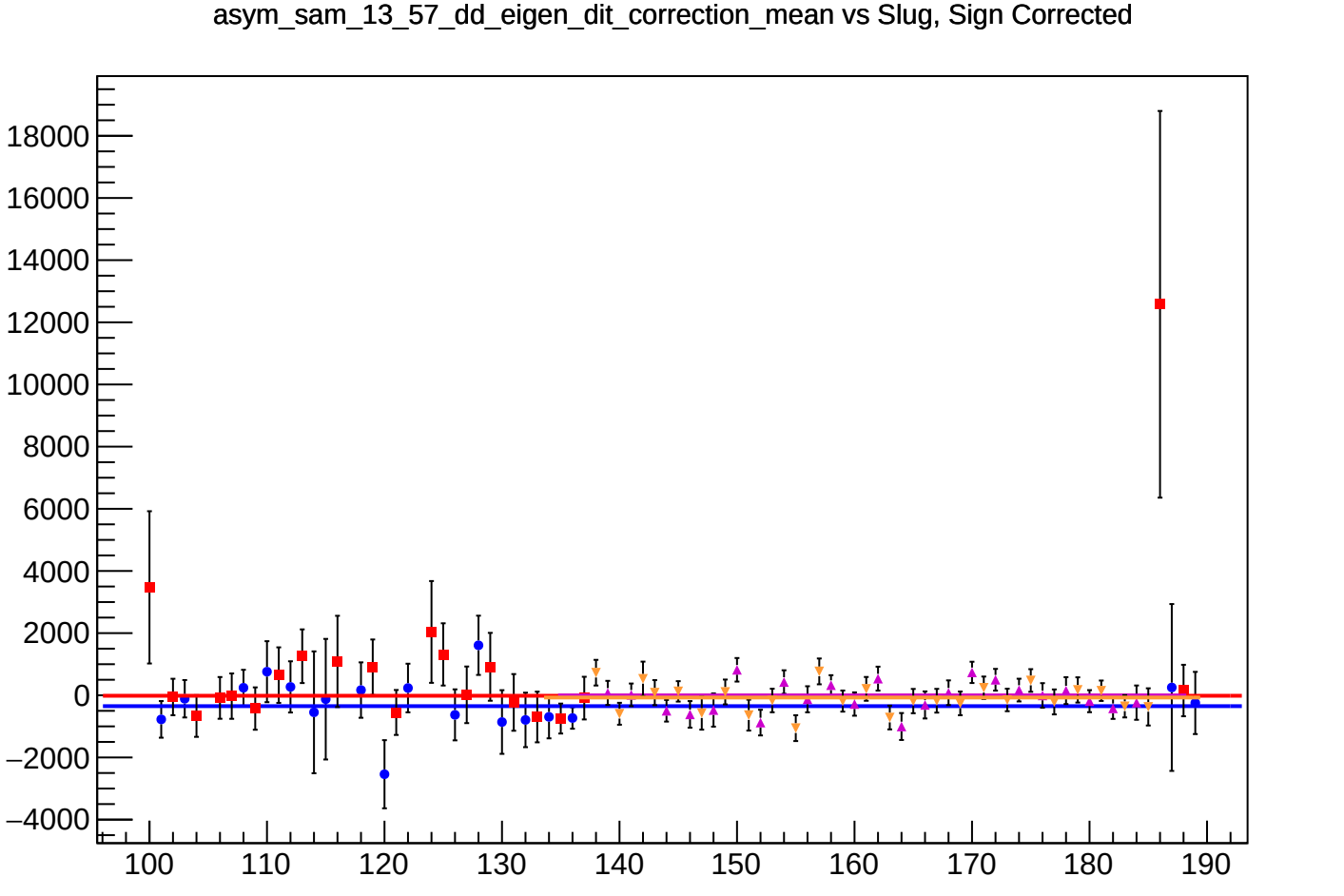
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 66.528+/-0.012 χ^2/NDF: 1419381.9/38

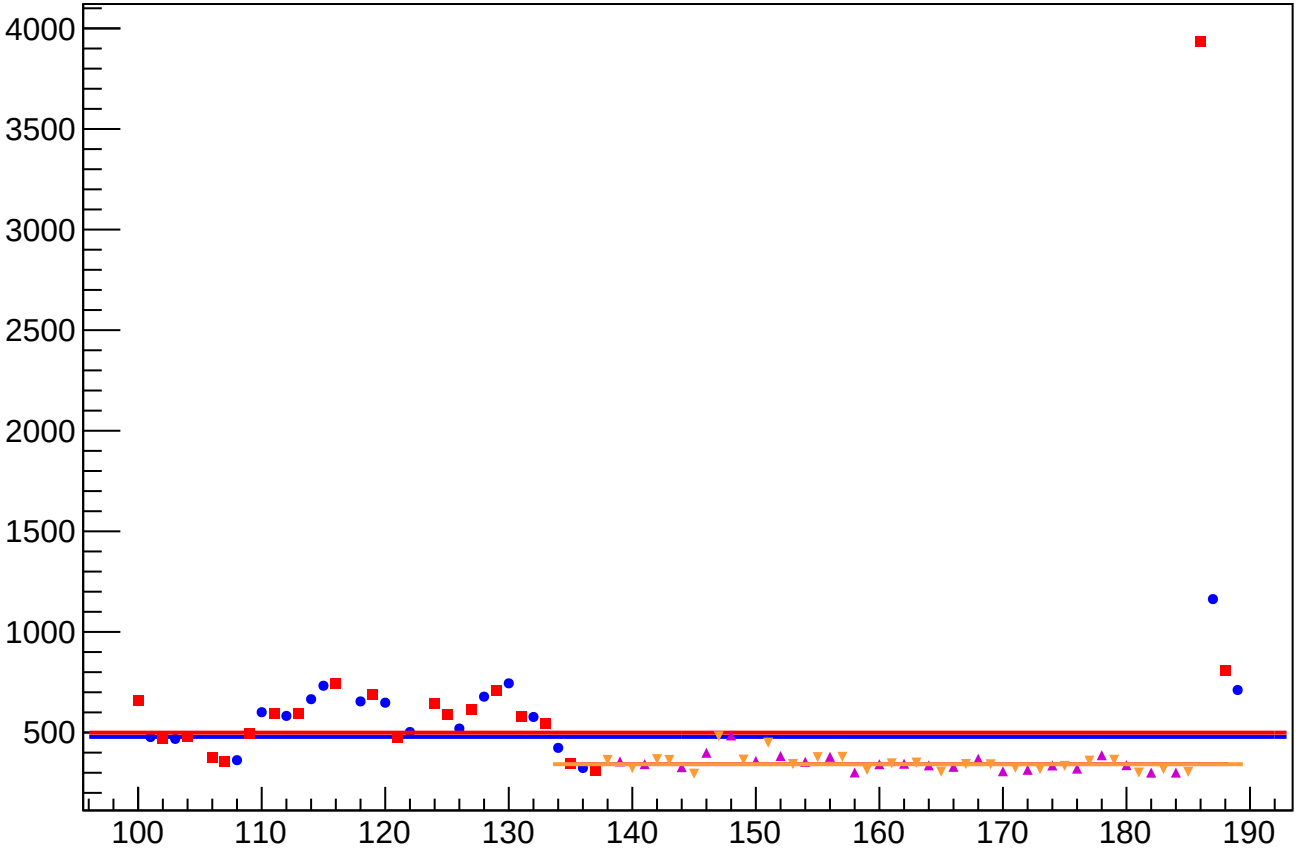
In: 63.225+/-0.009 χ^2/NDF:814274.8/40

Out: 63.571+/-0.009 χ^2/NDF:1123054.8/45

All: 63.403+/-0.006 χ^2/NDF: 1938121.1/86


asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -349.485+/-177.089 χ²/NDF: 14.9/17
Left Out: -71.324+/-78.399 χ²/NDF:28.6/24
Right Out: -14.967+/-177.276 χ²/NDF: 19.6/20
Left In: -6.134+/-80.760 χ²/NDF:34.0/22
Left: -39.696+/-56.253 χ²/NDF: 62.9/47
Right: -182.402+/-125.287 χ²/NDF: 36.2/38
In: -65.248+/-73.480 χ²/NDF:52.0/40
Out: -62.105+/-71.701 χ²/NDF:48.2/45
All: -63.638+/-51.317 χ²/NDF: 100.2/86

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 478.333+/-0.125 χ^2/NDF: 1231584.3/17

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 499.383+/-0.125 χ^2/NDF: 1762062.4/20

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

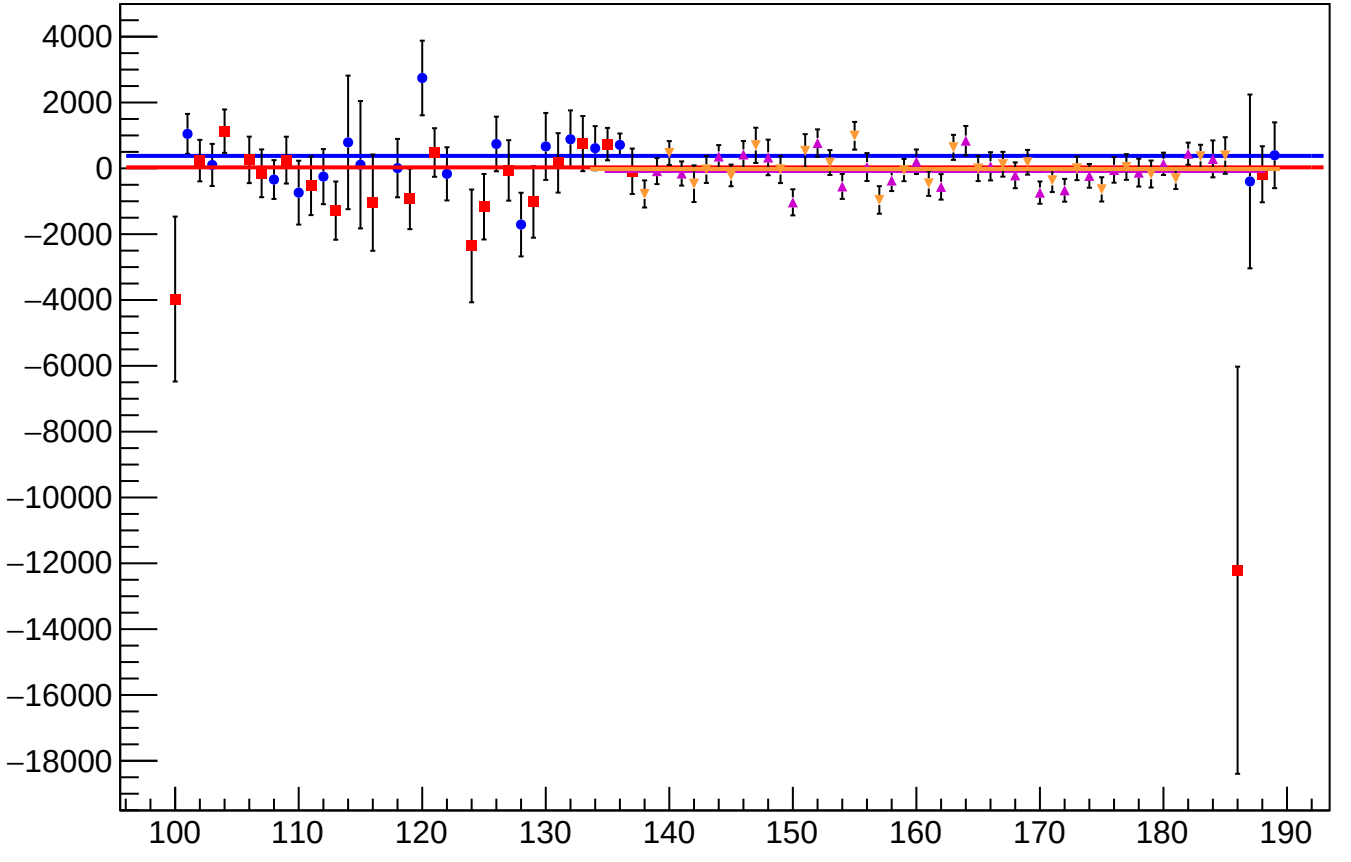
Right: 488.847+/-0.089 χ^2/NDF: 3007759.9/38

In: 366.503+/-0.052 χ^2/NDF:2568023.3/40

Out: 368.166+/-0.051 χ^2/NDF:3506324.0/45

All: 367.355+/-0.036 χ^2/NDF: 6074872.0/86

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 378.016+/-179.265 χ^2/NDF: 16.2/17

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 29.486+/-180.949 χ^2/NDF: 21.5/20

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

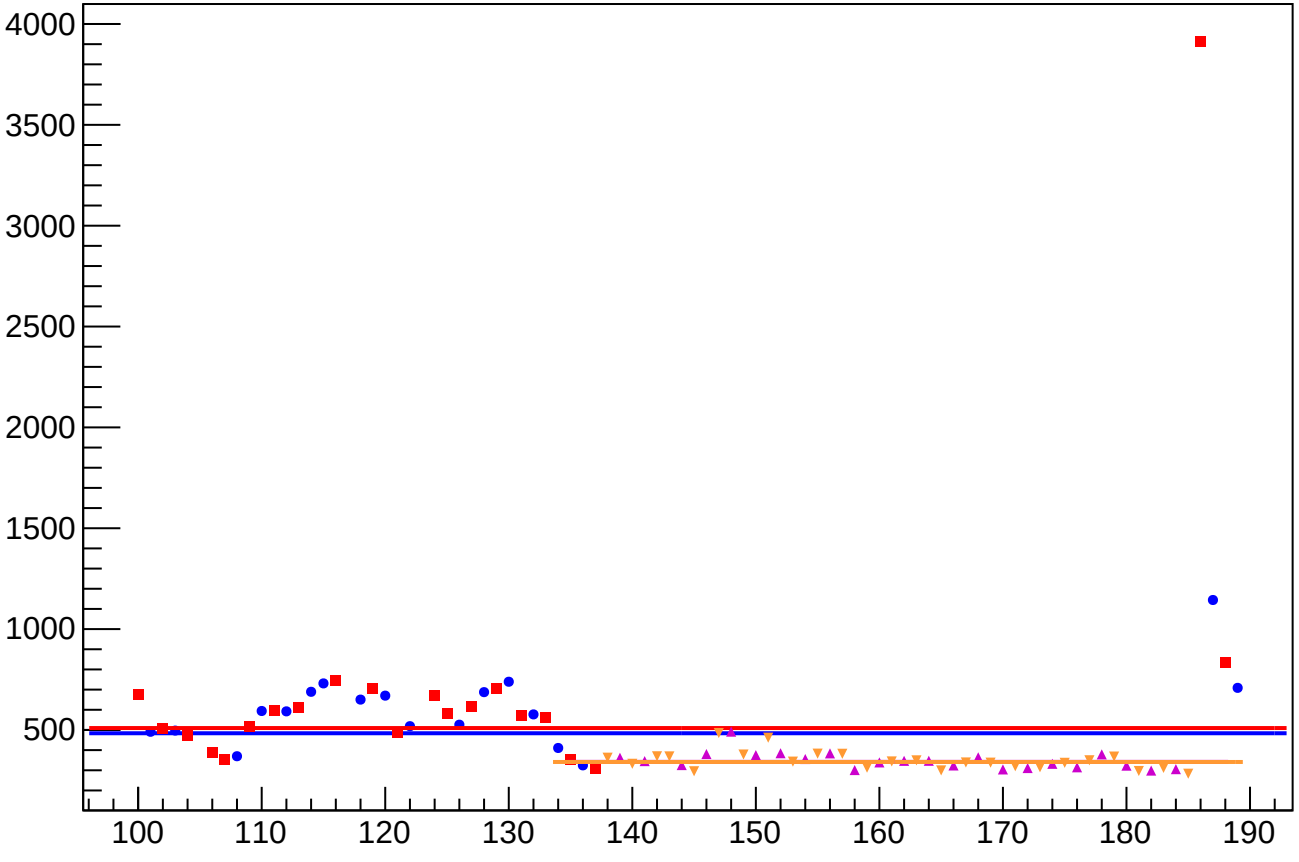
Right: 205.380+/-127.351 χ^2/NDF: 39.6/38

In: -2.216+/-73.367 χ^2/NDF:54.5/40

Out: -12.442+/-71.781 χ^2/NDF:53.0/45

All: -7.441+/-51.308 χ^2/NDF: 107.5/86

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 483.603+/-0.127 χ^2/NDF: 1233767.0/17

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 509.386+/-0.128 χ^2/NDF: 1759698.1/20

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

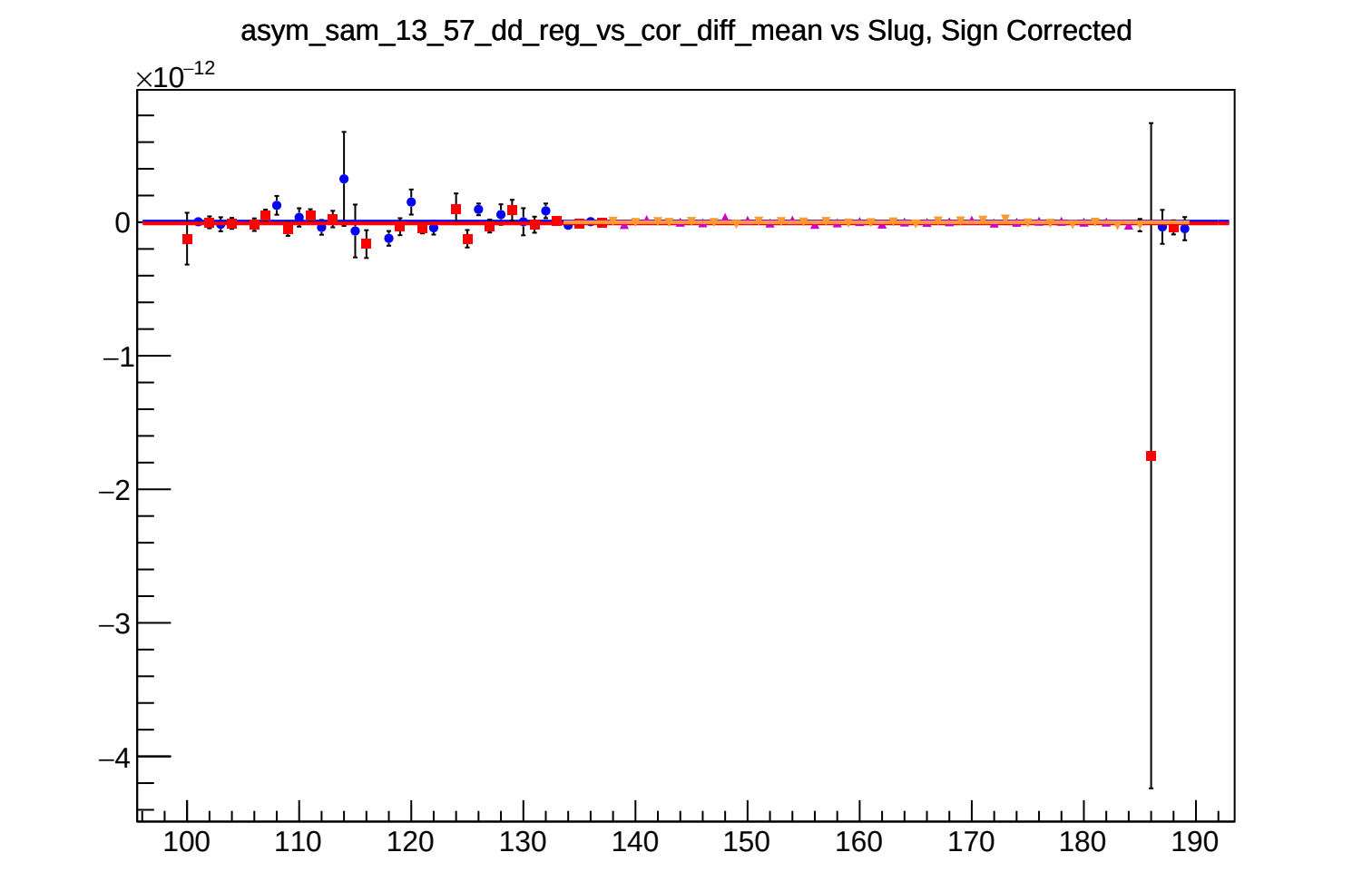
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 496.374+/-0.090 χ^2/NDF: 3013958.0/38

In: 365.404+/-0.052 χ^2/NDF:2675089.3/40

Out: 367.665+/-0.051 χ^2/NDF:3726504.8/45

All: 366.559+/-0.036 χ^2/NDF: 6402564.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/20

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

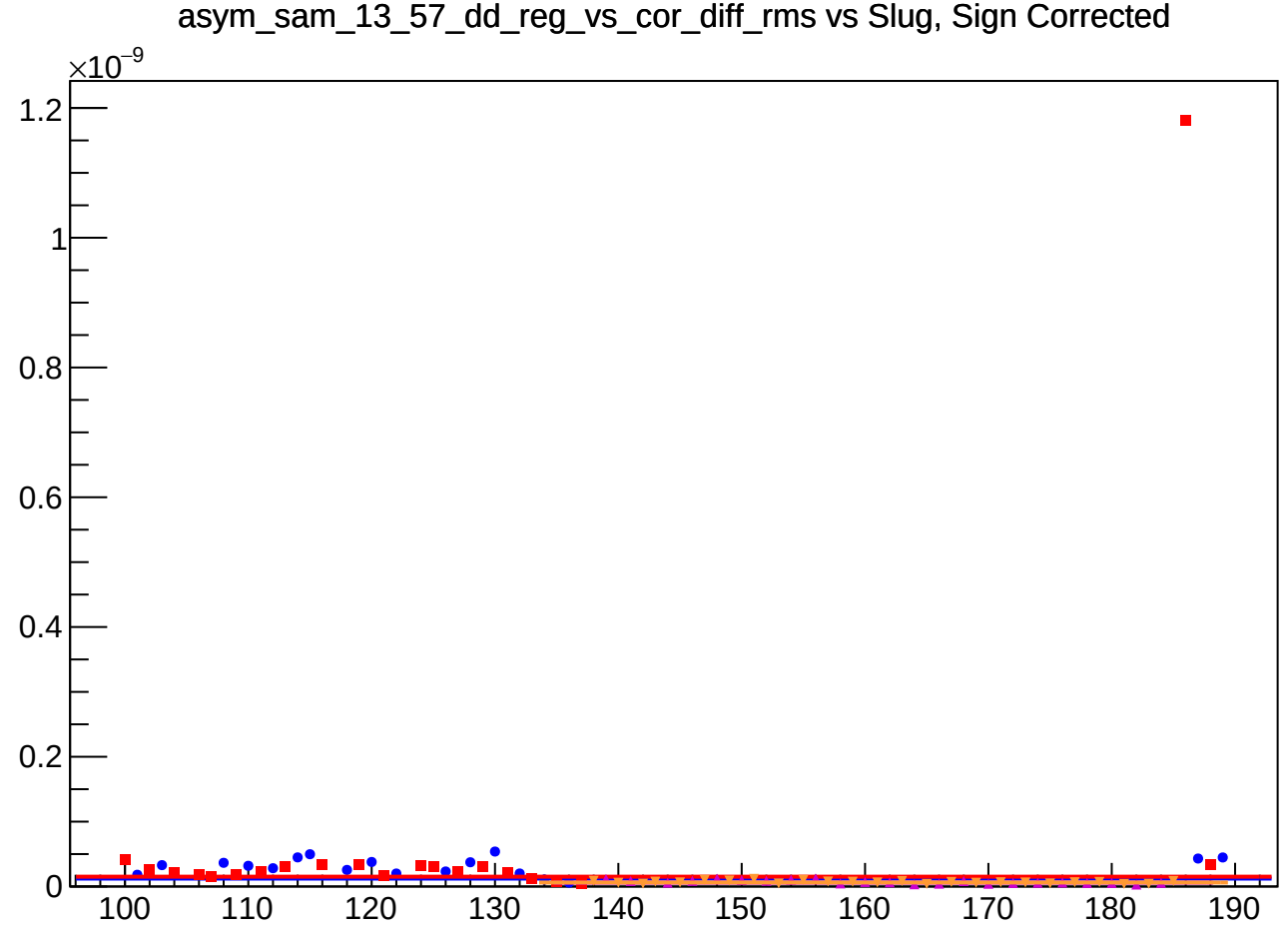
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 37.8/38

In: 0.000+/-0.000 χ^2/NDF:36.1/40

Out: -0.000+/-0.000 χ^2/NDF:34.8/45

All: 0.000+/-0.000 χ^2/NDF: 72.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 3251650.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2471650.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

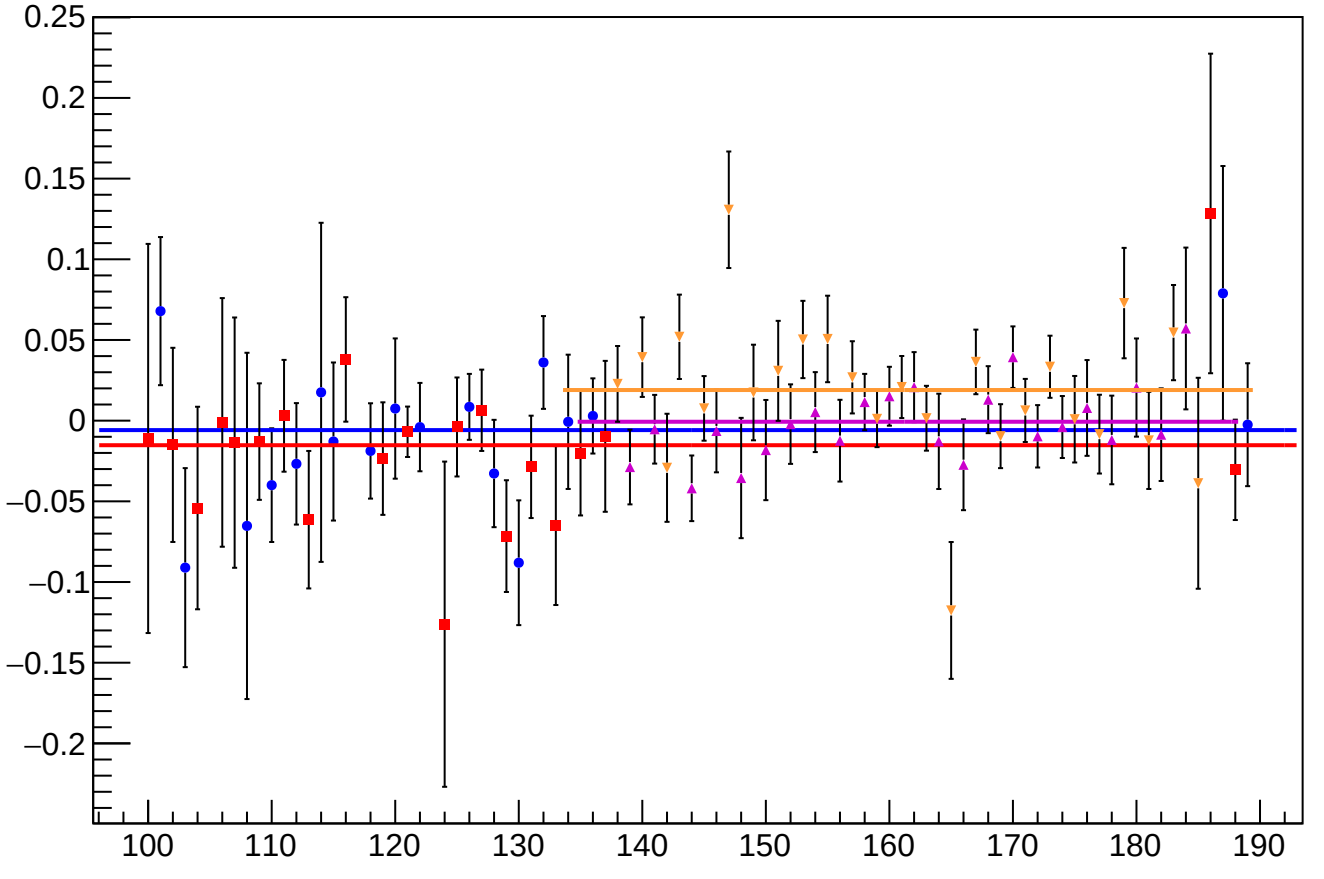
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5834700.1/38

In: 0.000+/-0.000 χ^2/NDF:6008212.4/40

Out: 0.000+/-0.000 χ^2/NDF:5426424.4/45

All: 0.000+/-0.000 χ^2/NDF: 11441198.1/86



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

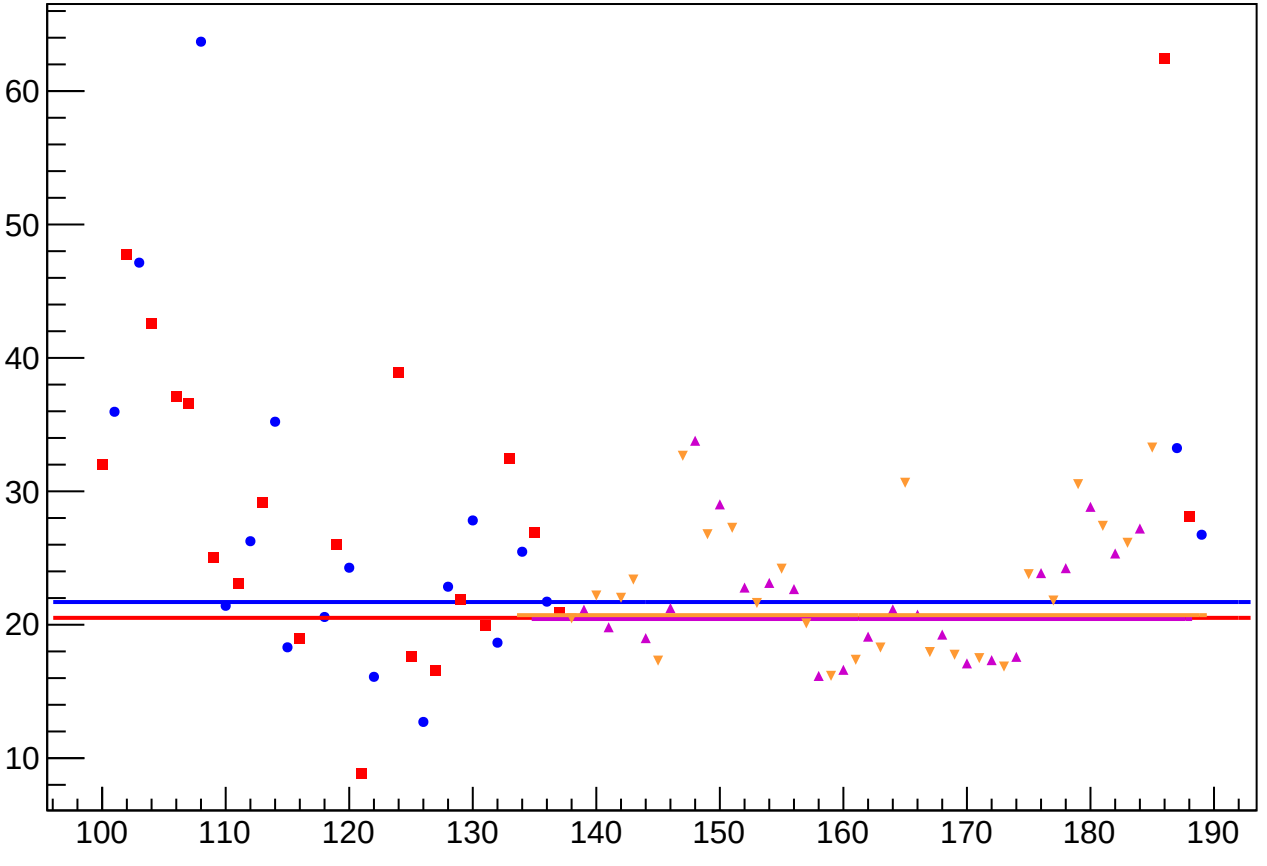
Right: -0.011+/-0.006 χ^2/NDF: 28.6/38

In: -0.002+/-0.004 χ^2/NDF:33.5/40

Out: 0.010+/-0.004 χ^2/NDF:67.1/45

All: 0.004+/-0.003 χ^2/NDF: 104.4/86

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.702+/-0.006 χ^2/NDF: 1561481.9/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 20.516+/-0.006 χ^2/NDF: 2935759.4/20

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

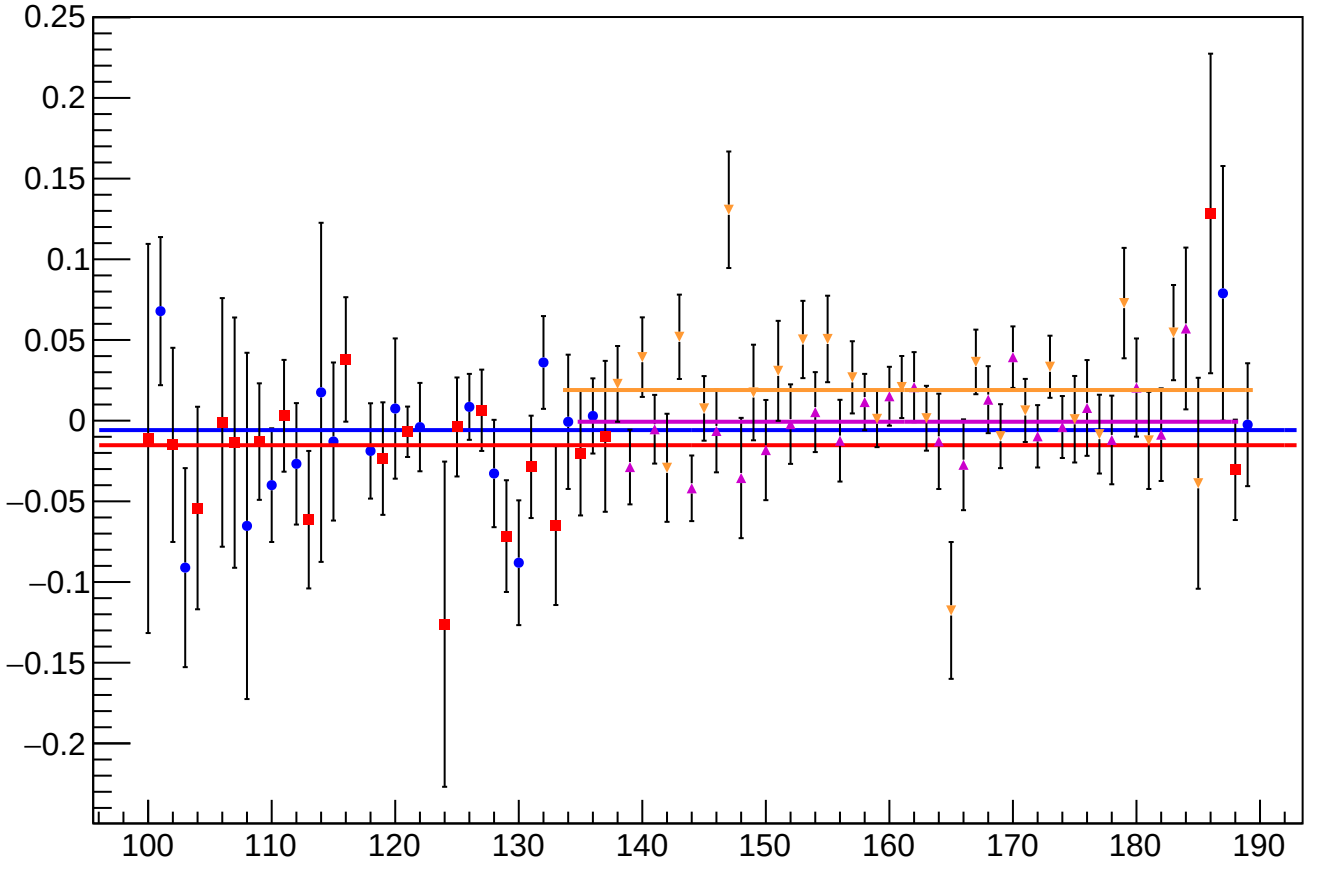
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.077+/-0.004 χ^2/NDF: 4518423.0/38

In: 20.758+/-0.003 χ^2/NDF:2769794.2/40

Out: 20.663+/-0.003 χ^2/NDF:4443076.7/45

All: 20.709+/-0.002 χ^2/NDF: 7213383.6/86



Right In: -0.006+/-0.008 χ^2/NDF: 15.5/17

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

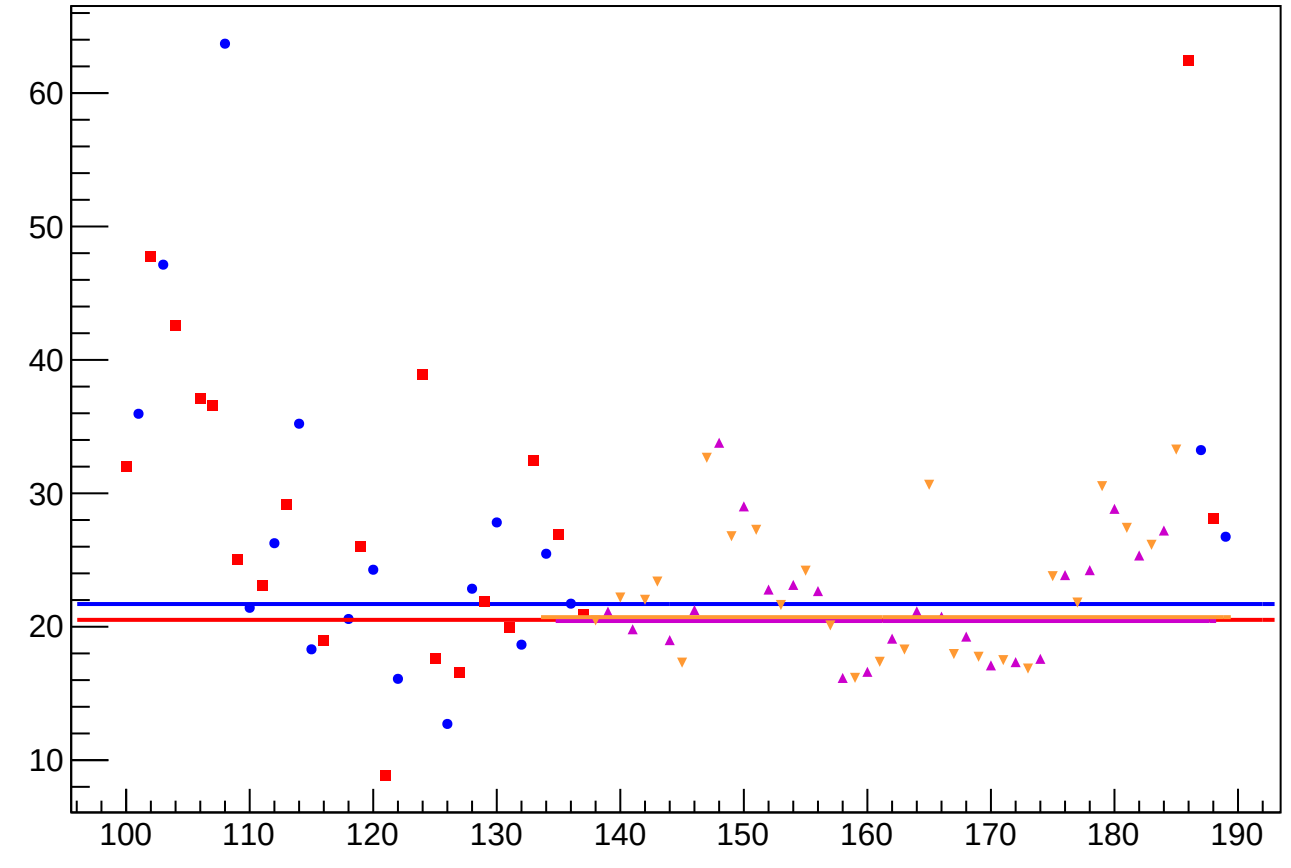
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 28.6/38

In: -0.002+/-0.004 χ^2/NDF:33.5/40

Out: 0.010+/-0.004 χ^2/NDF:67.1/45

All: 0.004+/-0.003 χ^2/NDF: 104.4/86



Right In: 21.702+/-0.006 χ^2/NDF: 1561481.9/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 20.516+/-0.006 χ^2/NDF: 2935759.4/20

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

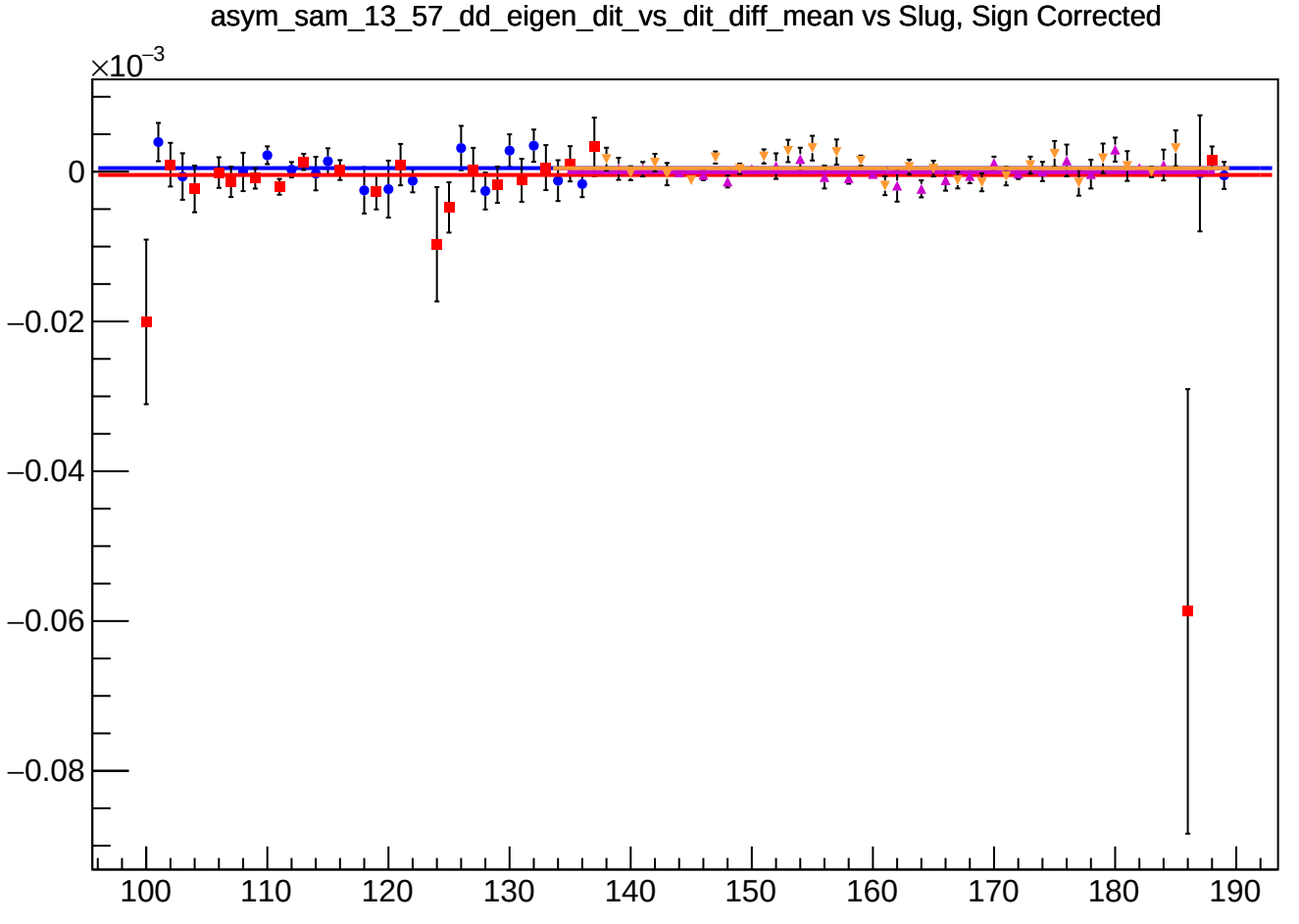
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 21.077+/-0.004 χ^2/NDF: 4518423.0/38

In: 20.758+/-0.003 χ^2/NDF:2769794.2/40

Out: 20.663+/-0.003 χ^2/NDF:4443076.7/45

All: 20.709+/-0.002 χ^2/NDF: 7213383.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/20

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

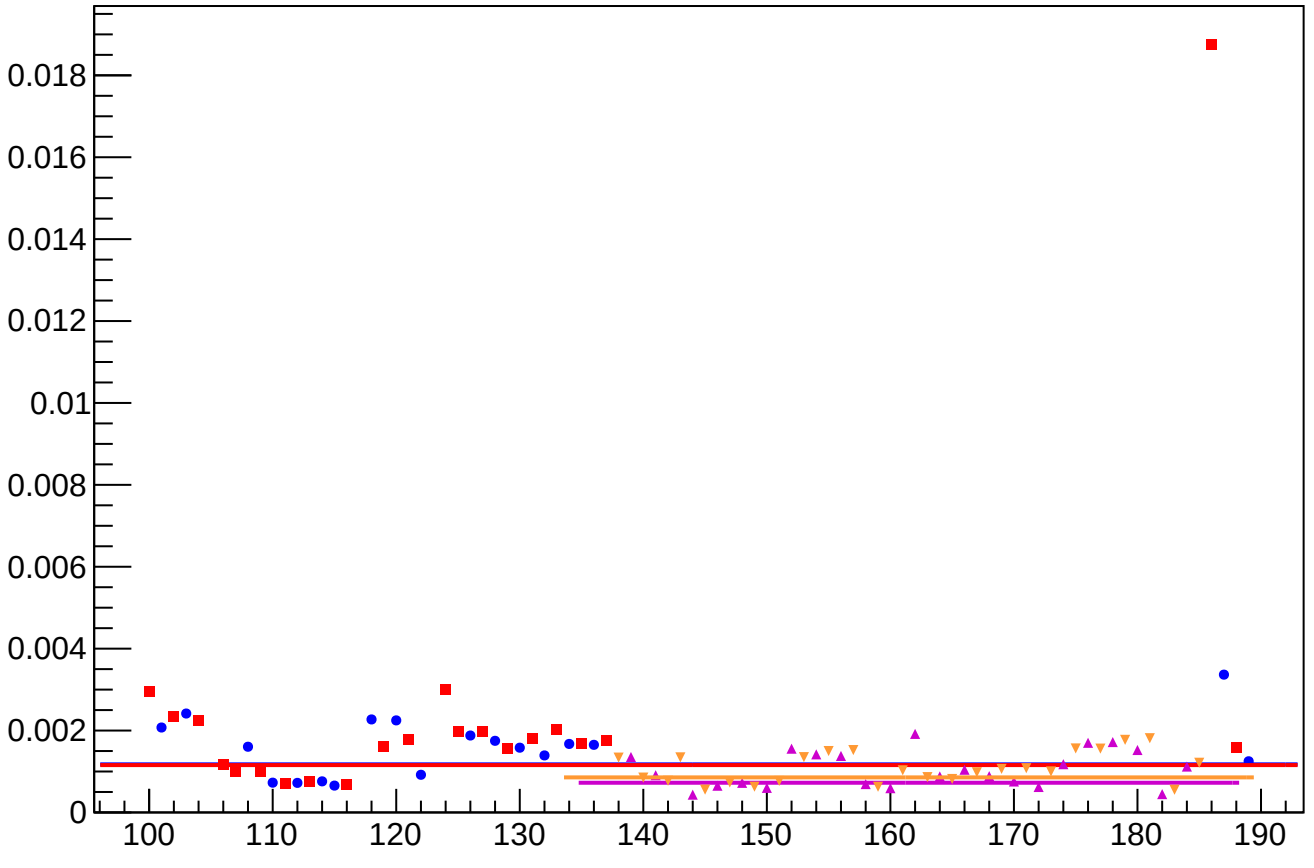
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.2/38

In: 0.000+/-0.000 χ^2/NDF:35.6/40

Out: 0.000+/-0.000 χ^2/NDF:60.5/45

All: 0.000+/-0.000 χ^2/NDF: 97.3/86



Right In: 0.001+/-0.000 χ^2/NDF: 2699605.0/17

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3446475.1/20

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

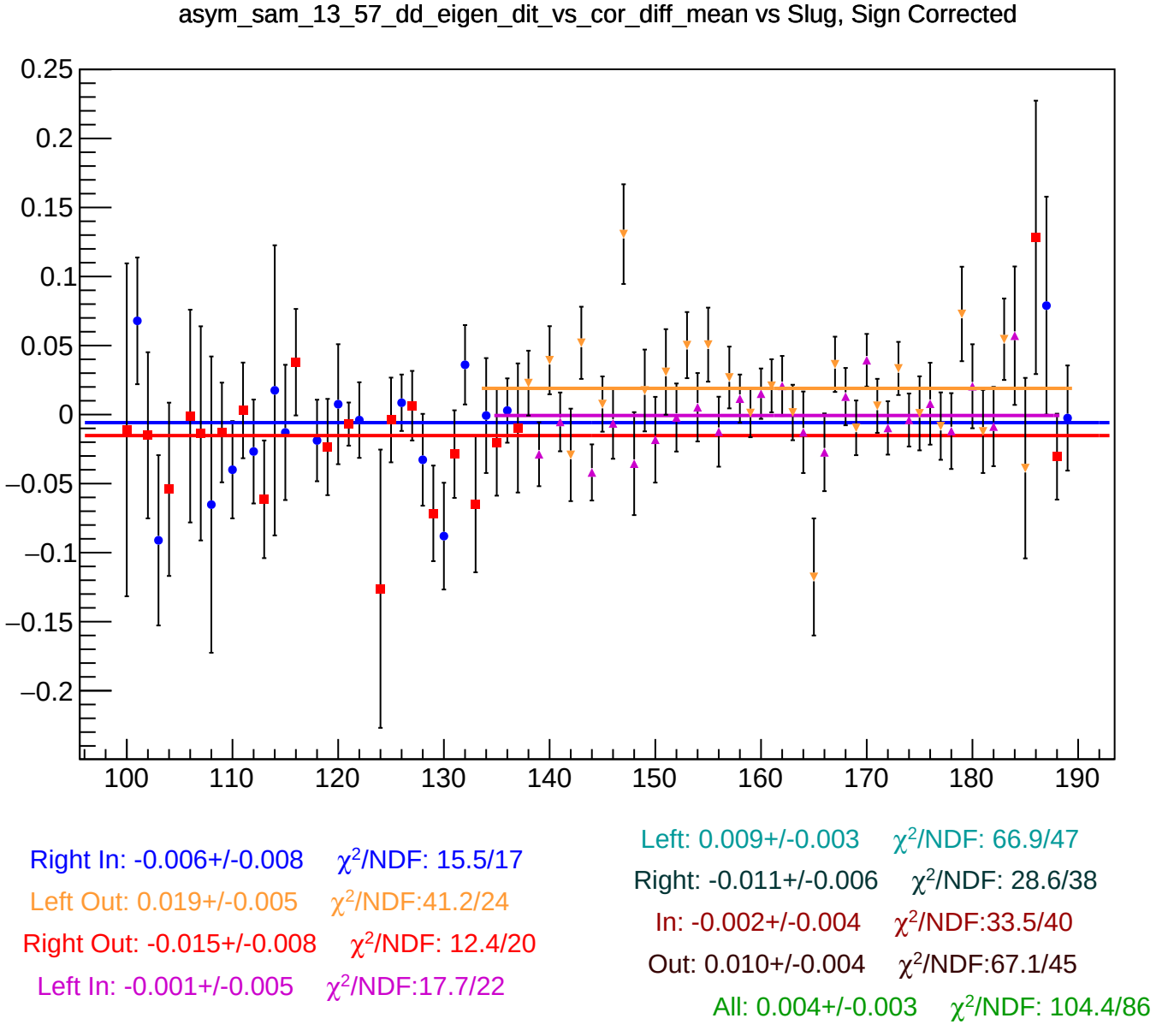
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 6147599.0/38

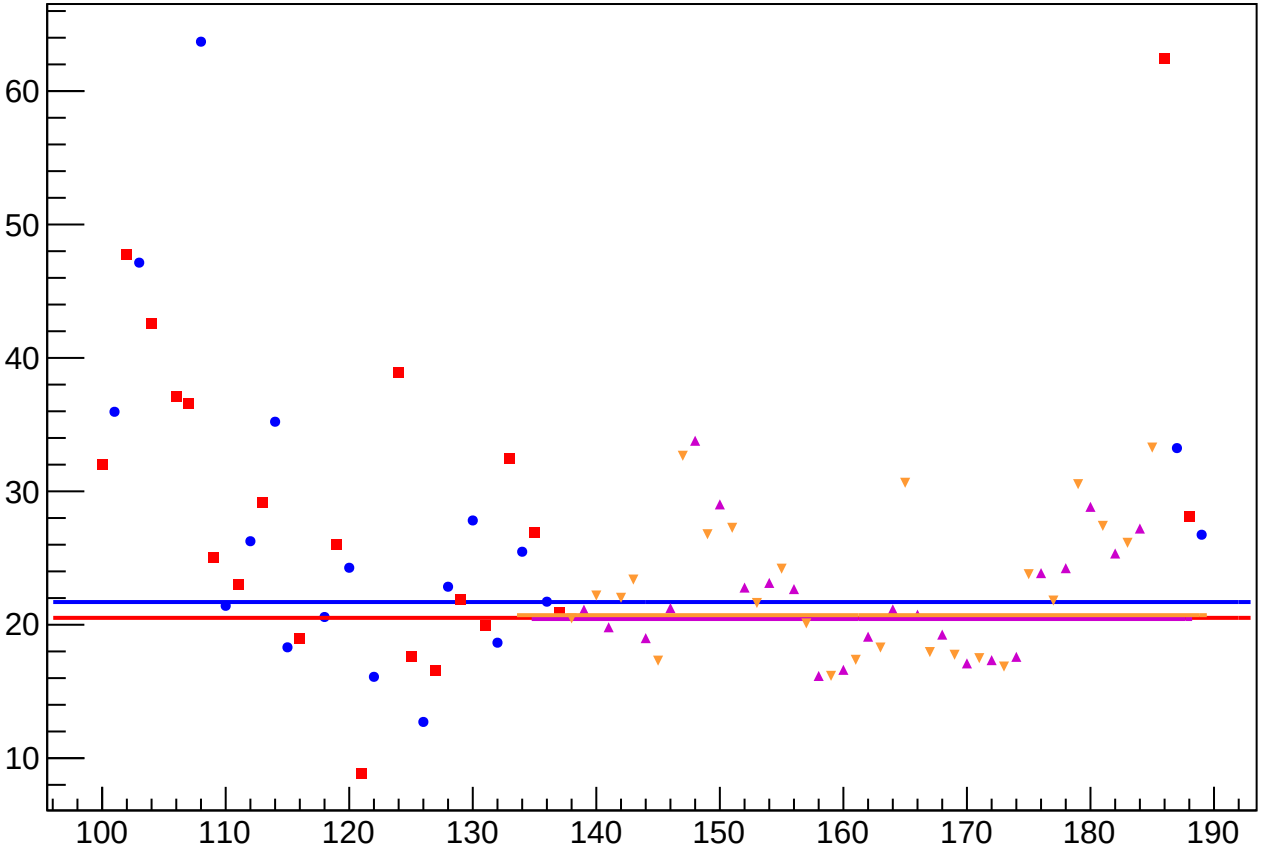
In: 0.001+/-0.000 χ^2/NDF:10127398.9/40

Out: 0.001+/-0.000 χ^2/NDF:8628779.0/45

All: 0.001+/-0.000 χ^2/NDF: 19208663.3/86


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.006+/-0.008 χ²/NDF: 15.5/17
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: -0.015+/-0.008 χ²/NDF: 12.4/20
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.011+/-0.006 χ²/NDF: 28.6/38
In: -0.002+/-0.004 χ²/NDF:33.5/40
Out: 0.010+/-0.004 χ²/NDF:67.1/45
All: 0.004+/-0.003 χ²/NDF: 104.4/86

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.702+/-0.006 χ^2/NDF: 1561322.4/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 20.517+/-0.006 χ^2/NDF: 2935314.2/20

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

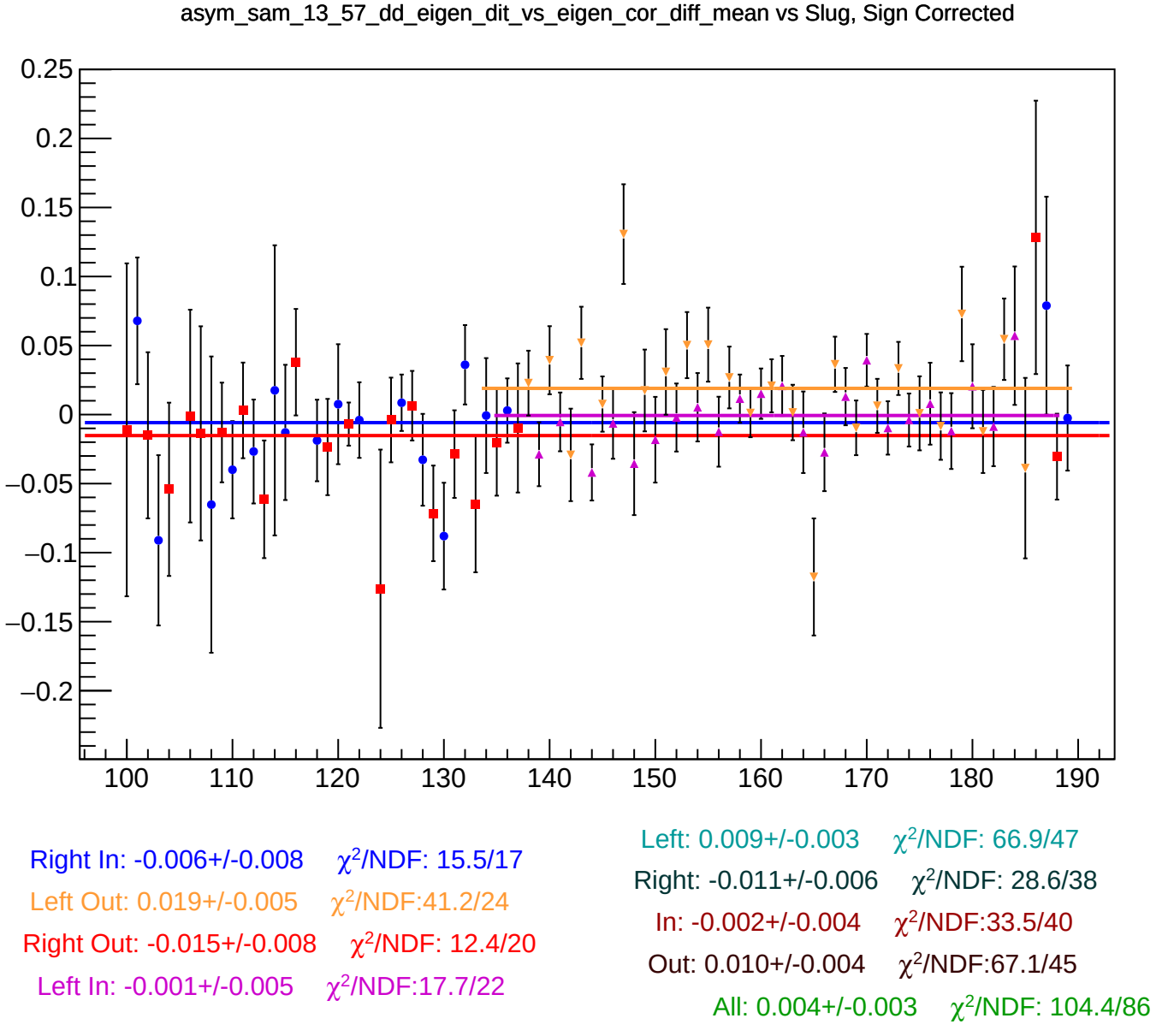
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.077+/-0.004 χ^2/NDF: 4517806.2/38

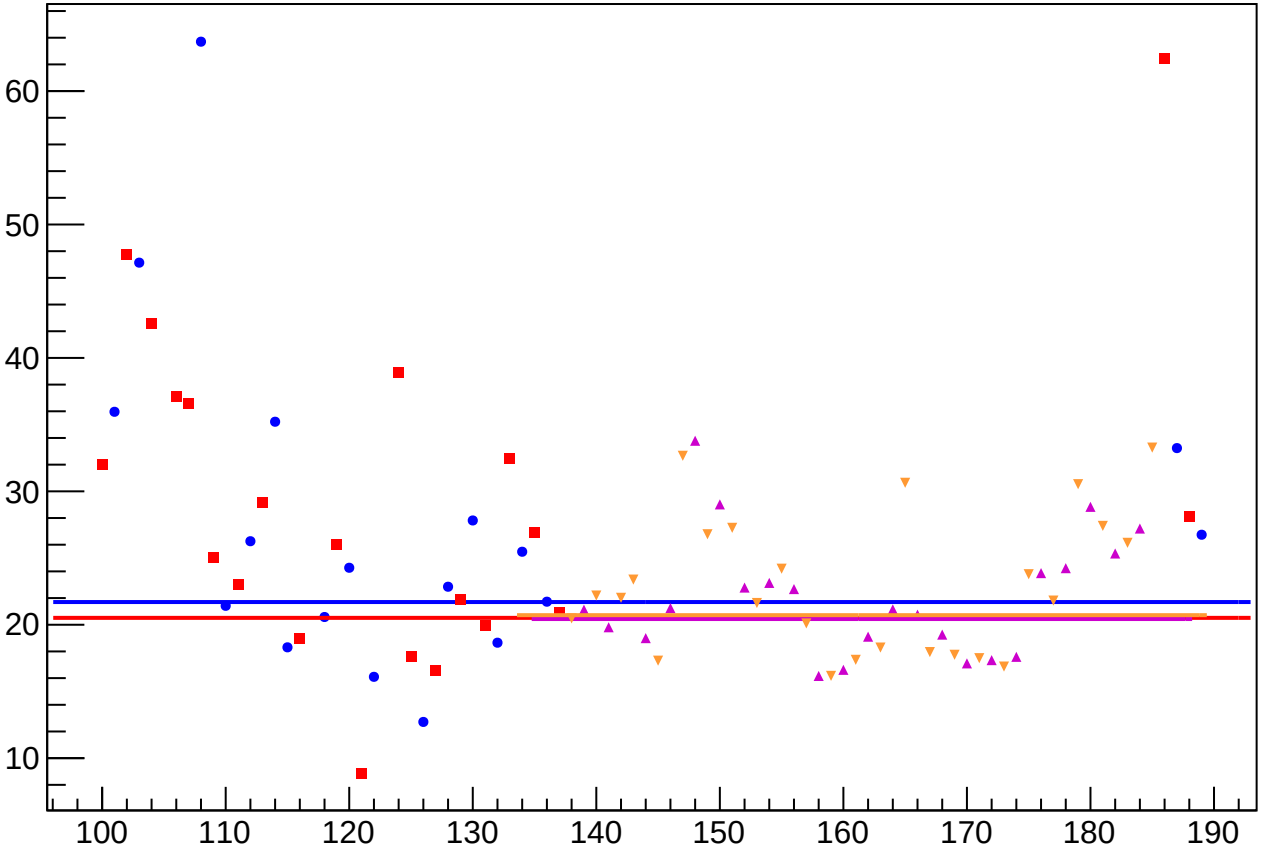
In: 20.758+/-0.003 χ^2/NDF:2769695.8/40

Out: 20.663+/-0.003 χ^2/NDF:4442726.9/45

All: 20.709+/-0.002 χ^2/NDF: 7212935.0/86


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.006+/-0.008 χ²/NDF: 15.5/17
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: -0.015+/-0.008 χ²/NDF: 12.4/20
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.011+/-0.006 χ²/NDF: 28.6/38
In: -0.002+/-0.004 χ²/NDF:33.5/40
Out: 0.010+/-0.004 χ²/NDF:67.1/45
All: 0.004+/-0.003 χ²/NDF: 104.4/86

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.702+/-0.006 χ^2/NDF: 1561322.4/17

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 20.517+/-0.006 χ^2/NDF: 2935314.2/20

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

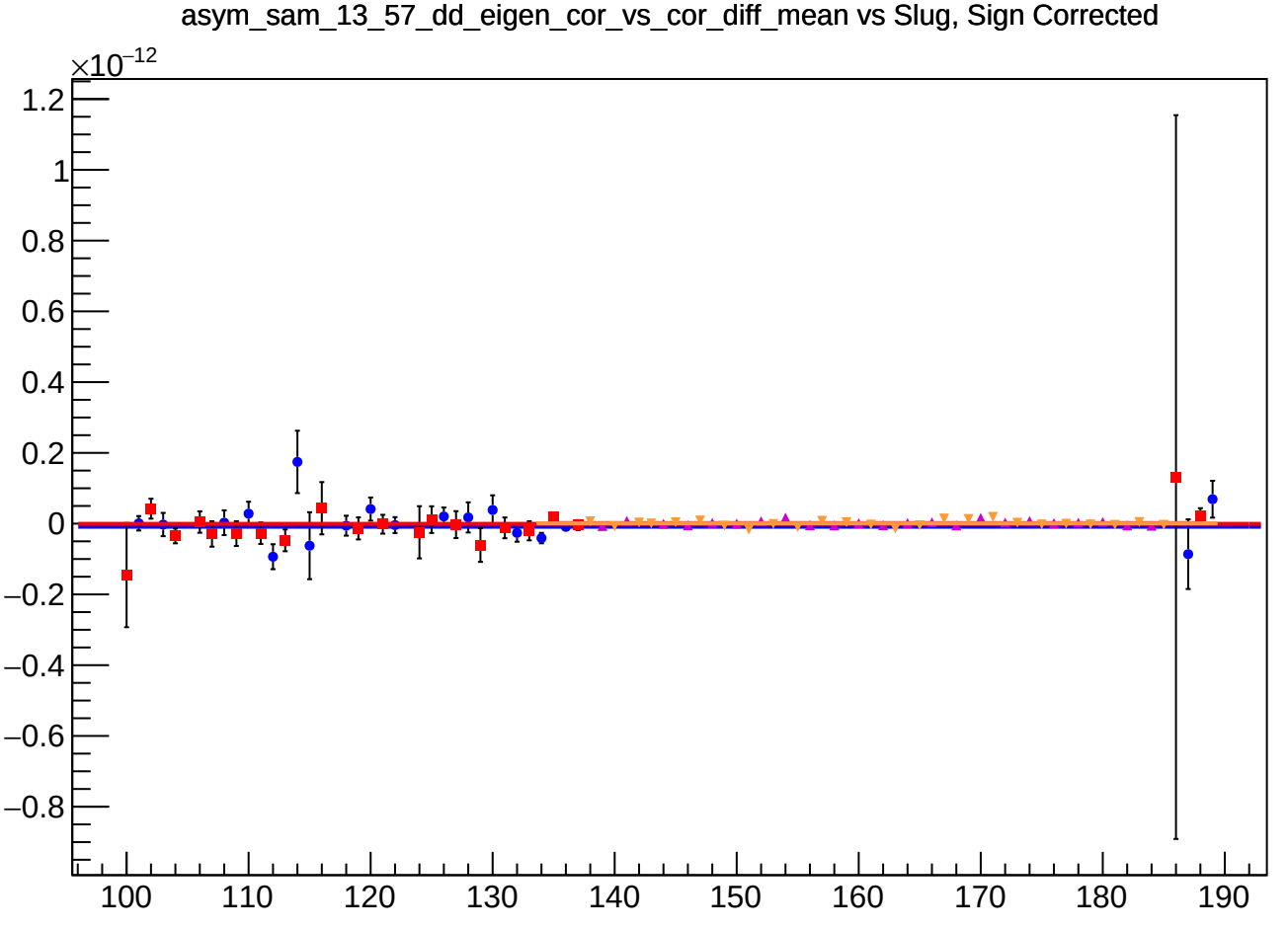
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 21.077+/-0.004 χ^2/NDF: 4517806.2/38

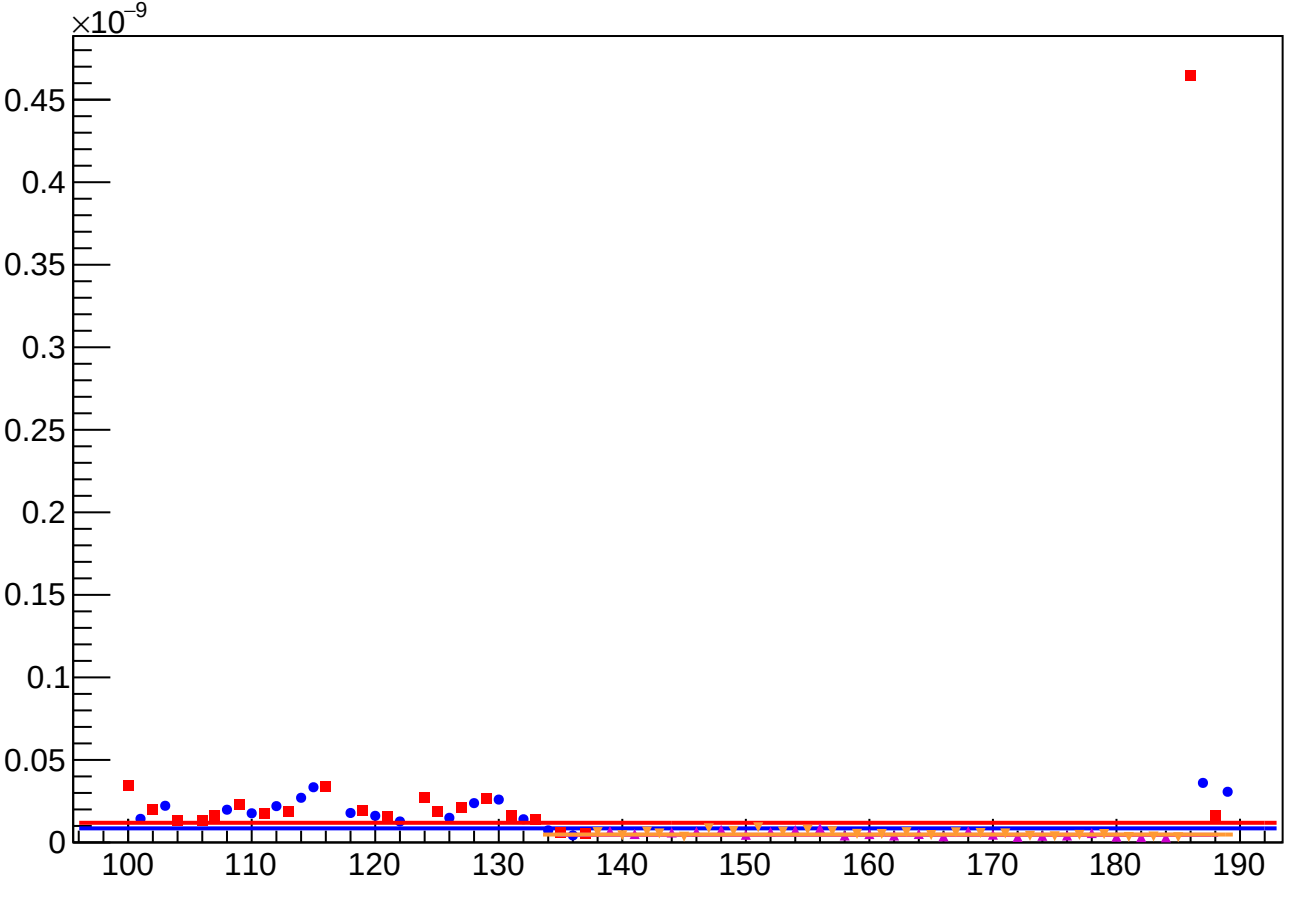
In: 20.758+/-0.003 χ^2/NDF:2769695.8/40

Out: 20.663+/-0.003 χ^2/NDF:4442726.9/45

All: 20.709+/-0.002 χ^2/NDF: 7212935.0/86


asym_sam_13_57_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
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 25.4/17
Left Out: 0.000+/-0.000 χ²/NDF:29.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.9/20
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: -0.000+/-0.000 χ²/NDF: 44.7/38
In: 0.000+/-0.000 χ²/NDF:50.9/40
Out: 0.000+/-0.000 χ²/NDF:47.0/45
All: 0.000+/-0.000 χ²/NDF: 97.9/86

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4255585.4/17

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3082098.2/20

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

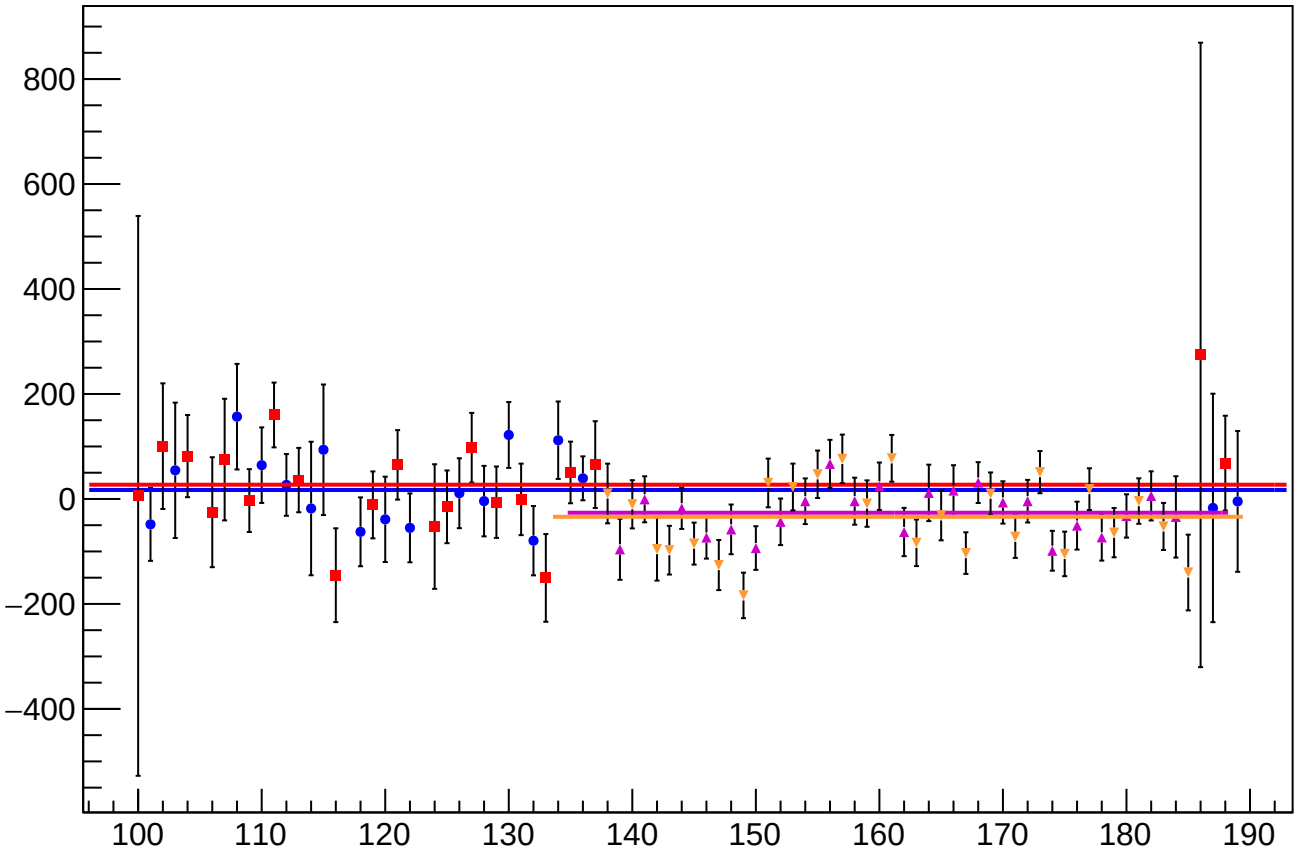
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7789934.7/38

In: 0.000+/-0.000 χ^2/NDF:7578049.6/40

Out: 0.000+/-0.000 χ^2/NDF:8349325.3/45

All: 0.000+/-0.000 χ^2/NDF: 15965278.7/86



Right In: 17.111+/-17.269 χ^2/NDF: 14.0/17

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 27.163+/-17.019 χ^2/NDF: 18.2/20

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

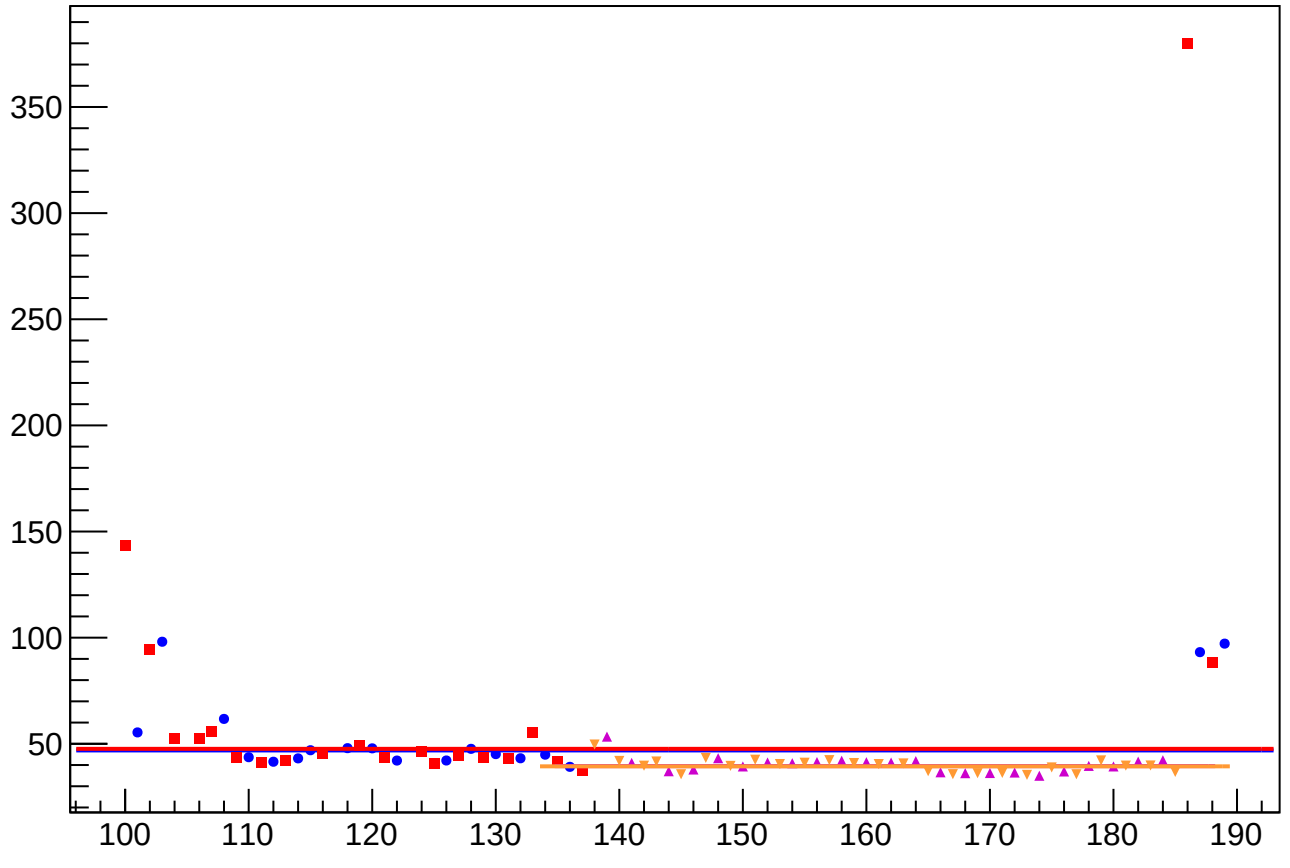
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 22.210+/-12.122 χ^2/NDF: 32.4/38

In: -16.561+/-8.169 χ^2/NDF:41.4/40

Out: -20.614+/-7.951 χ^2/NDF:87.0/45

All: -18.642+/-5.698 χ^2/NDF: 128.5/86



Right In: 46.878+/-0.012 χ^2/NDF: 881819.8/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 47.624+/-0.012 χ^2/NDF: 1587292.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

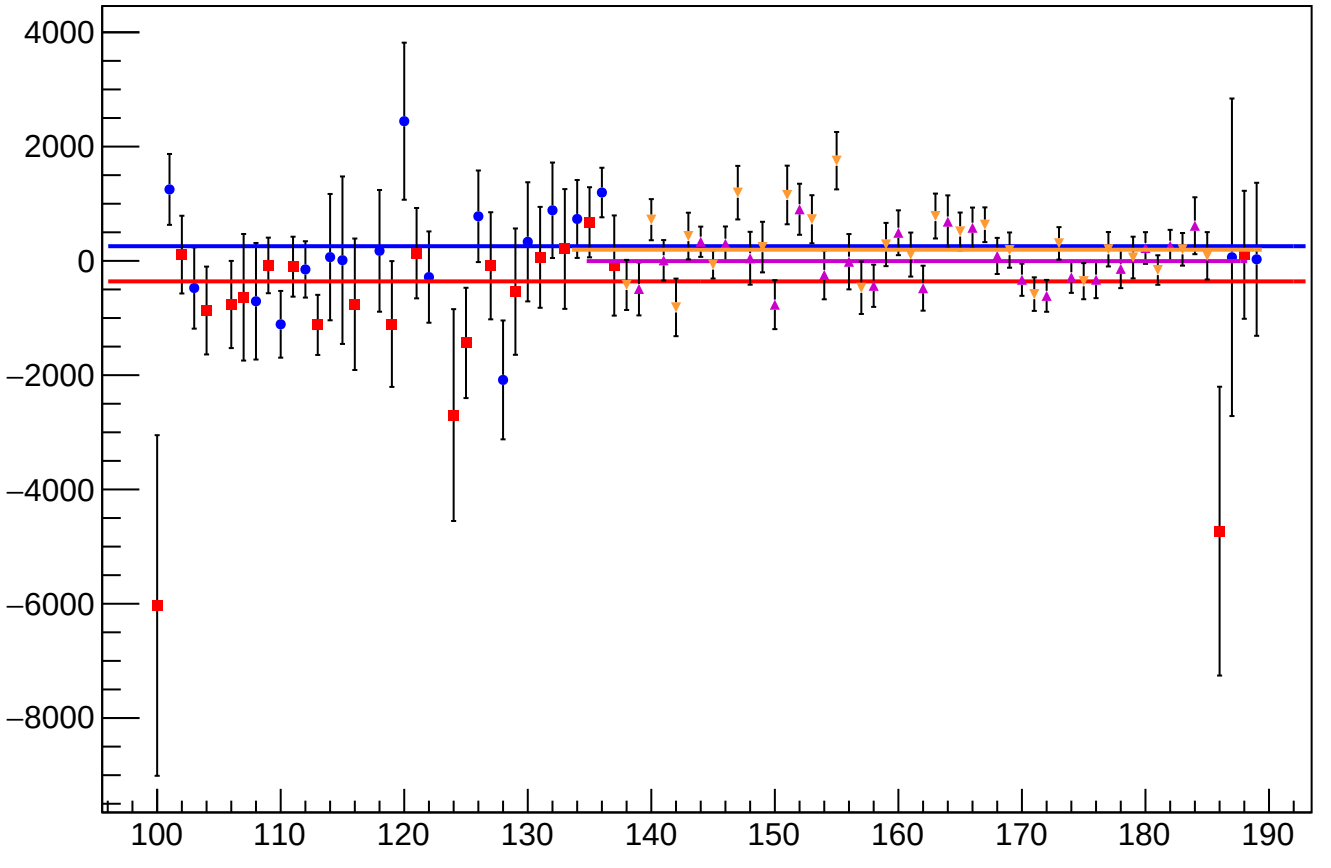
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 47.256+/-0.009 χ^2/NDF: 2471005.0/38

In: 41.144+/-0.006 χ^2/NDF:1417685.0/40

Out: 41.181+/-0.006 χ^2/NDF:2182677.8/45

All: 41.163+/-0.004 χ^2/NDF: 3600384.9/86



Right In: 256.702+/-183.065 χ^2/NDF: 25.0/17

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -358.912+/-177.932 χ^2/NDF: 18.1/20

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

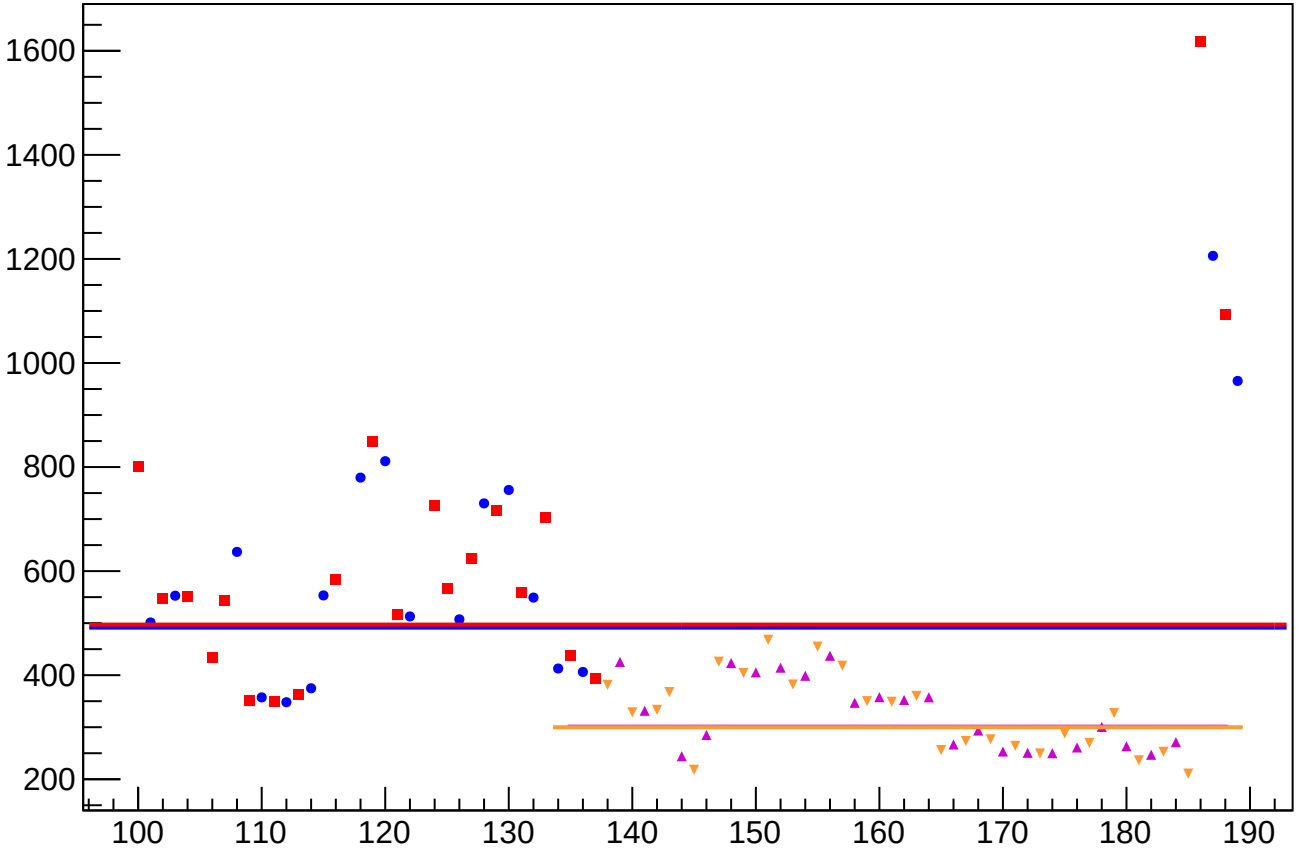
Right: -59.857+/-127.593 χ^2/NDF: 48.9/38

In: 30.896+/-66.989 χ^2/NDF:59.1/40

Out: 120.615+/-65.215 χ^2/NDF:75.1/45

All: 76.959+/-46.728 χ^2/NDF: 135.1/86

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 491.424+/-0.129 χ^2/NDF: 1344501.8/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 497.256+/-0.126 χ^2/NDF: 1995271.4/20

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

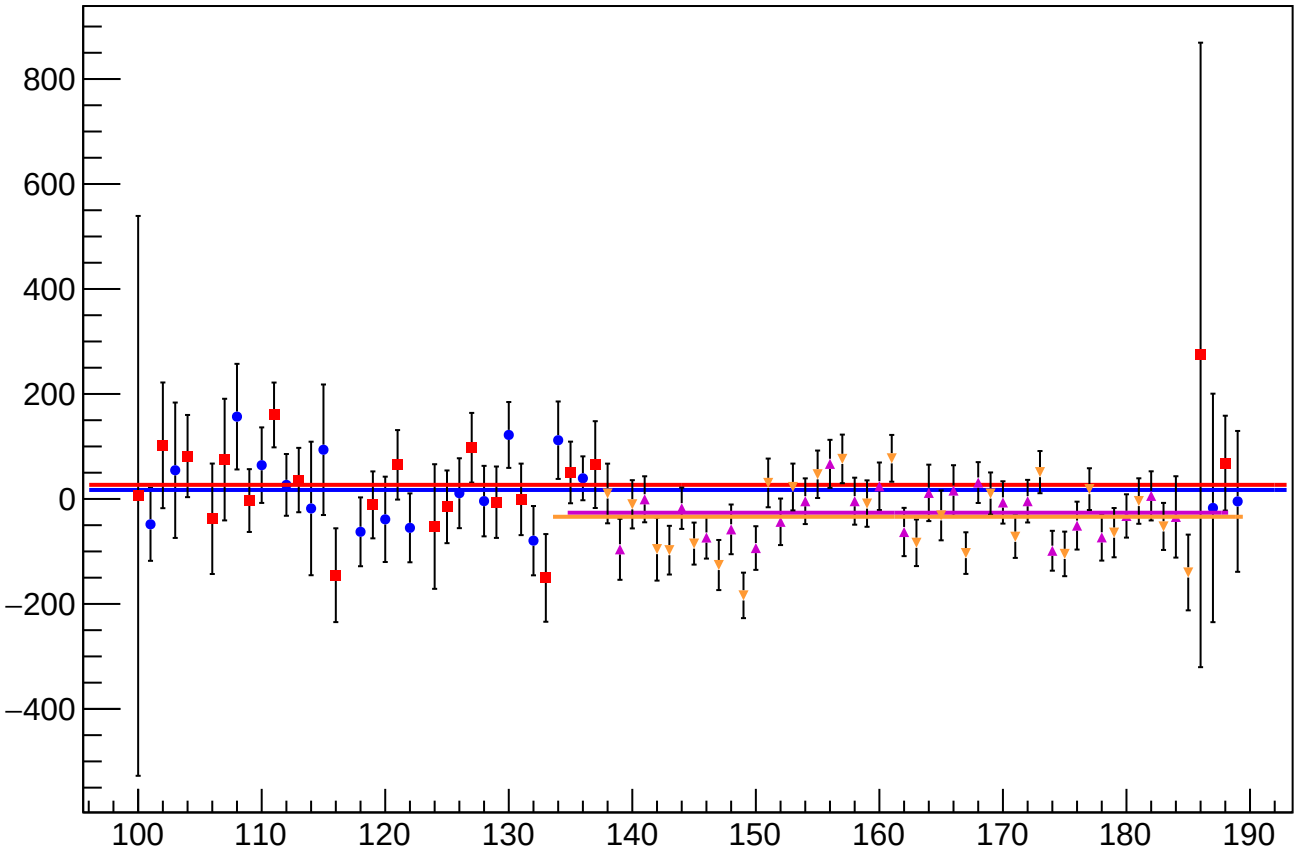
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 494.423+/-0.090 χ^2/NDF: 3340816.9/38

In: 326.498+/-0.047 χ^2/NDF:4625967.4/40

Out: 326.478+/-0.046 χ^2/NDF:5932057.6/45

All: 326.488+/-0.033 χ^2/NDF: 10558025.2/86



Right In: 17.116+/-17.269 χ^2/NDF: 14.0/17

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 26.879+/-17.021 χ^2/NDF: 18.4/20

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

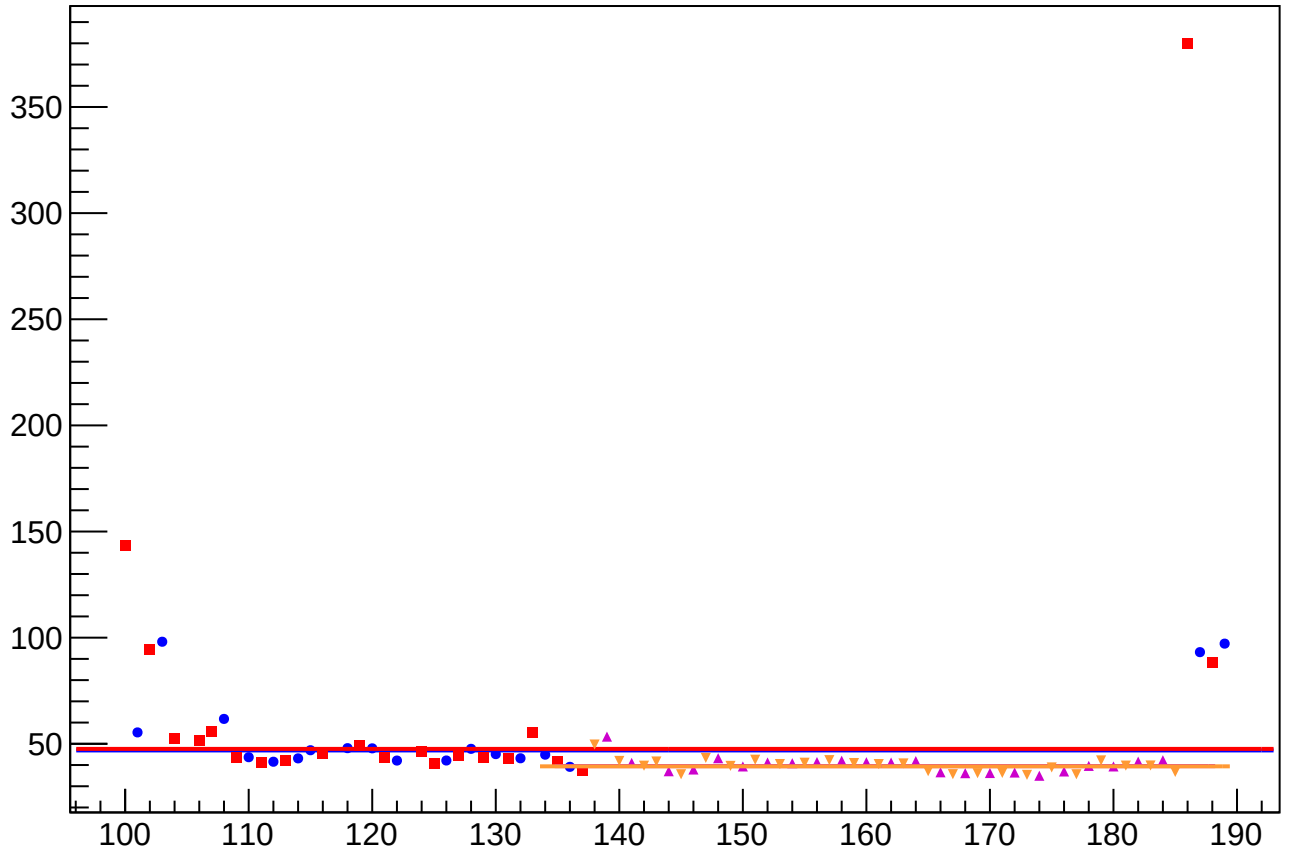
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 22.068+/-12.123 χ^2/NDF: 32.5/38

In: -16.560+/-8.169 χ^2/NDF:41.4/40

Out: -20.679+/-7.952 χ^2/NDF:87.1/45

All: -18.675+/-5.698 χ^2/NDF: 128.6/86



Right In: 46.878+/-0.012 χ^2/NDF: 881822.9/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 47.601+/-0.012 χ^2/NDF: 1586164.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

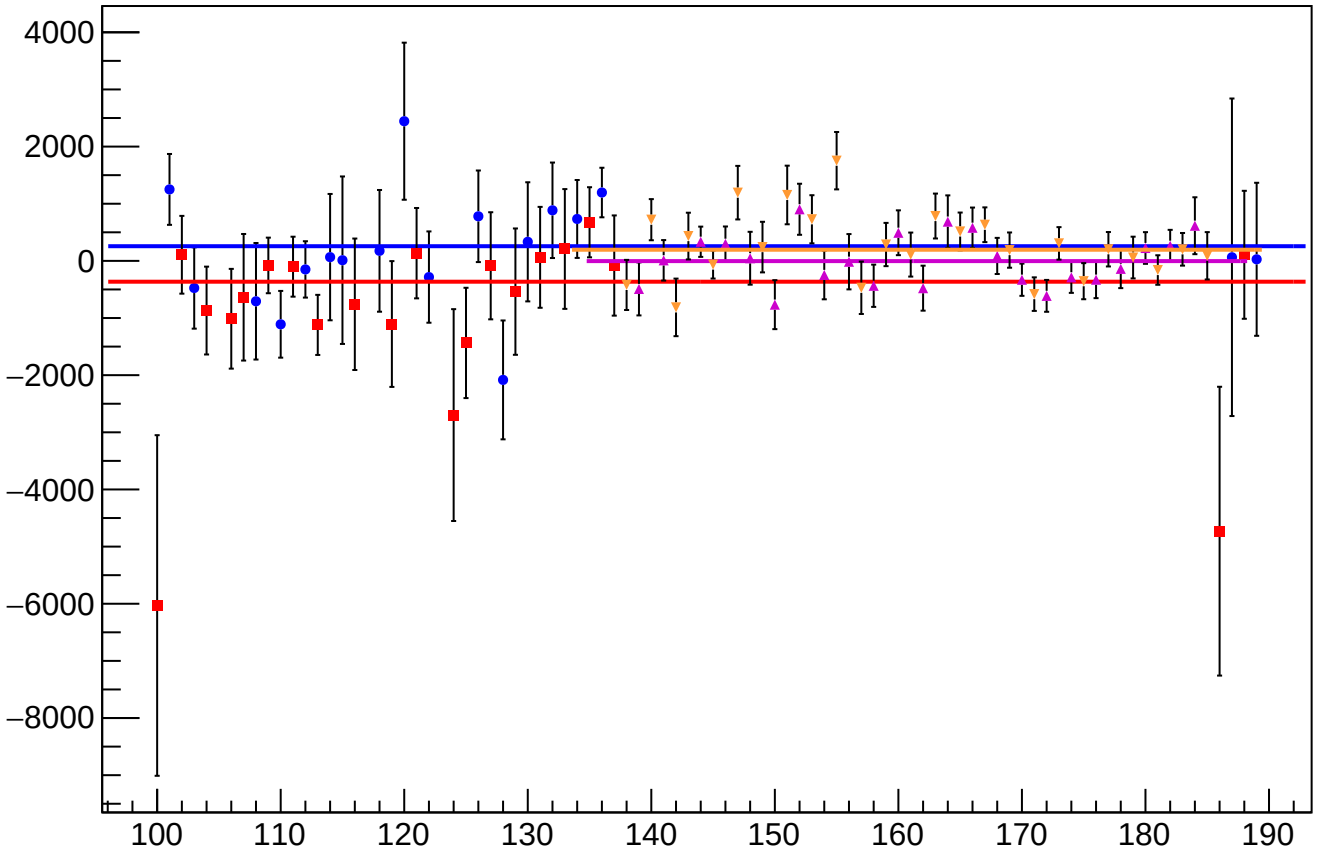
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 47.245+/-0.009 χ^2/NDF: 2469767.1/38

In: 41.144+/-0.006 χ^2/NDF:1417687.9/40

Out: 41.176+/-0.006 χ^2/NDF:2179474.8/45

All: 41.160+/-0.004 χ^2/NDF: 3597179.0/86



Right In: 256.706+/-183.066 χ^2/NDF: 25.0/17

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -364.399+/-179.097 χ^2/NDF: 18.4/20

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

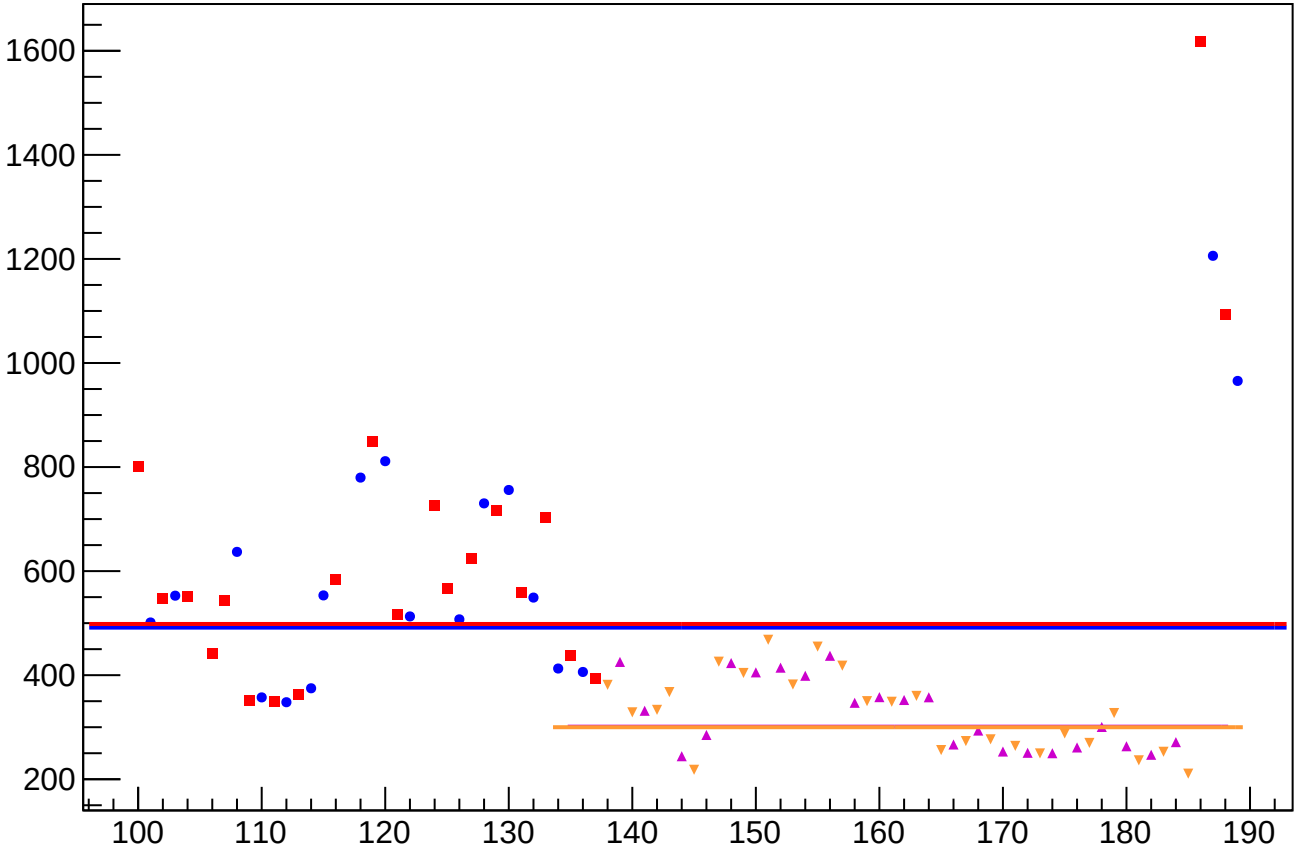
Right: -60.653+/-128.021 χ^2/NDF: 49.3/38

In: 30.896+/-66.989 χ^2/NDF:59.1/40

Out: 120.723+/-65.272 χ^2/NDF:75.4/45

All: 76.975+/-46.749 χ^2/NDF: 135.5/86

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 491.427+/-0.129 χ^2/NDF: 1344527.7/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 498.409+/-0.127 χ^2/NDF: 1989829.5/20

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

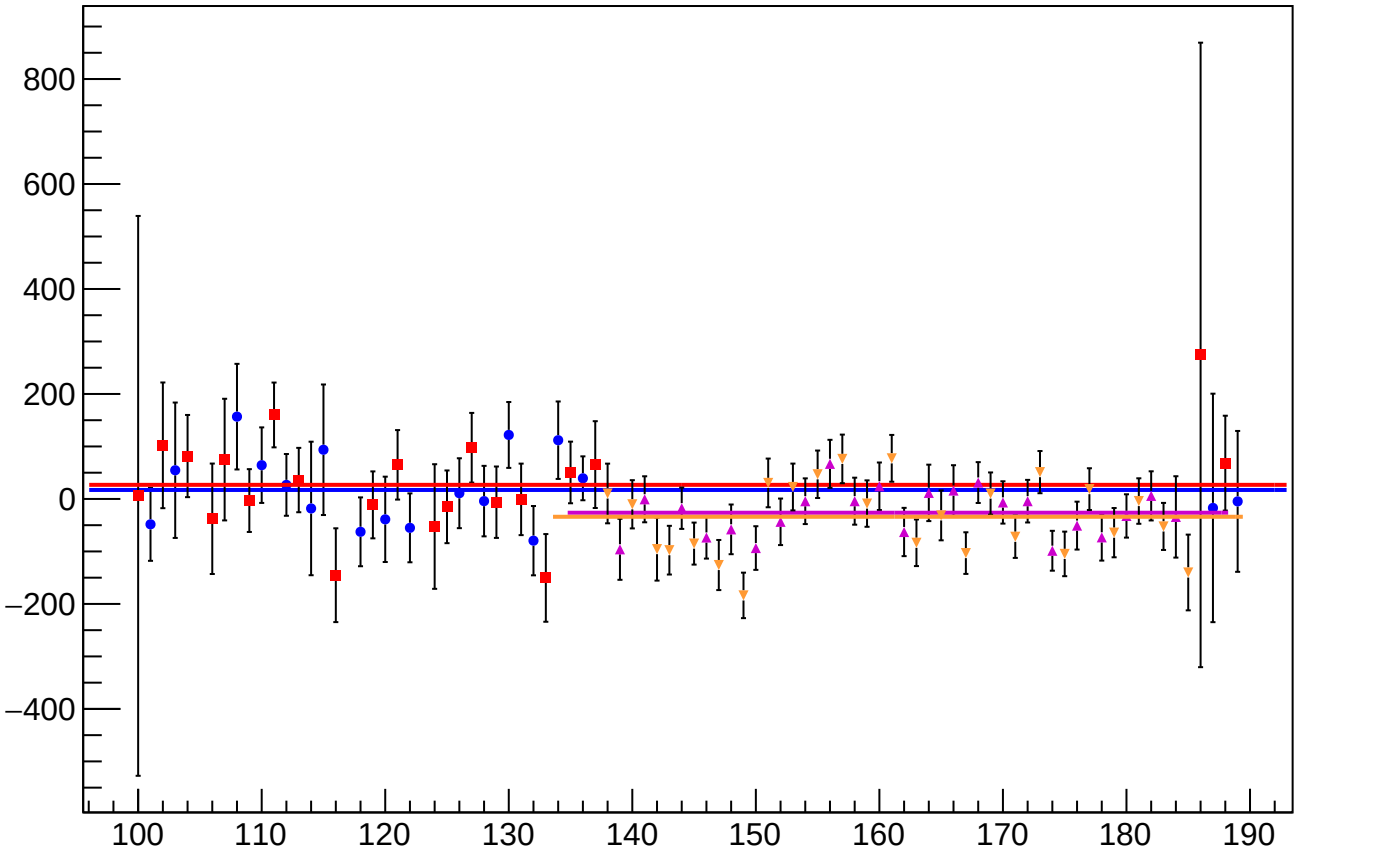
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 494.994+/-0.091 χ^2/NDF: 3335843.8/38

In: 326.498+/-0.047 χ^2/NDF:4626029.1/40

Out: 326.333+/-0.046 χ^2/NDF:5927333.1/45

All: 326.413+/-0.033 χ^2/NDF: 10553368.4/86



Right In: 17.116+/-17.269 χ^2/NDF: 14.0/17

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 26.879+/-17.021 χ^2/NDF: 18.4/20

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

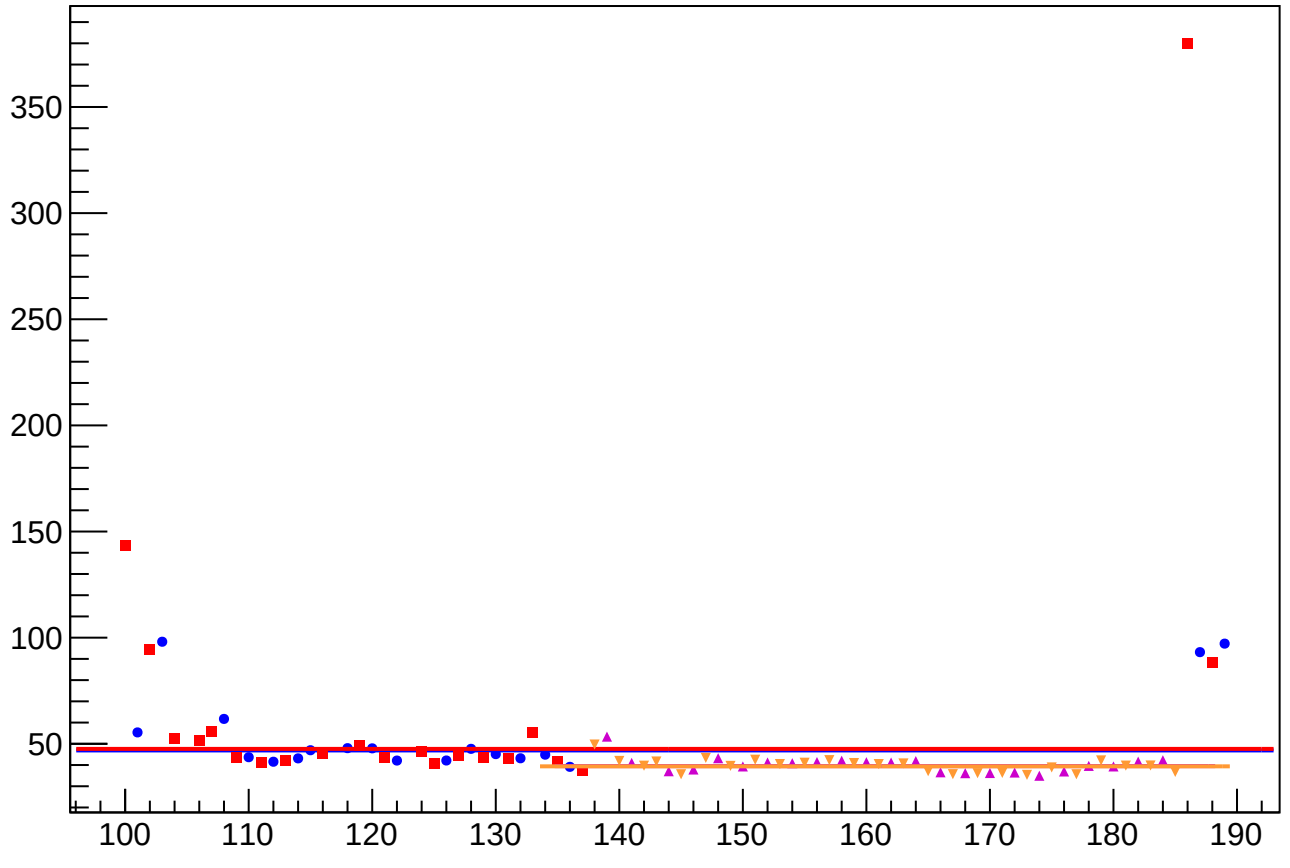
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 22.068+/-12.123 χ^2/NDF: 32.5/38

In: -16.560+/-8.169 χ^2/NDF:41.4/40

Out: -20.679+/-7.952 χ^2/NDF:87.1/45

All: -18.675+/-5.698 χ^2/NDF: 128.6/86



Right In: 46.878+/-0.012 χ^2/NDF: 881822.9/17

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 47.601+/-0.012 χ^2/NDF: 1586164.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

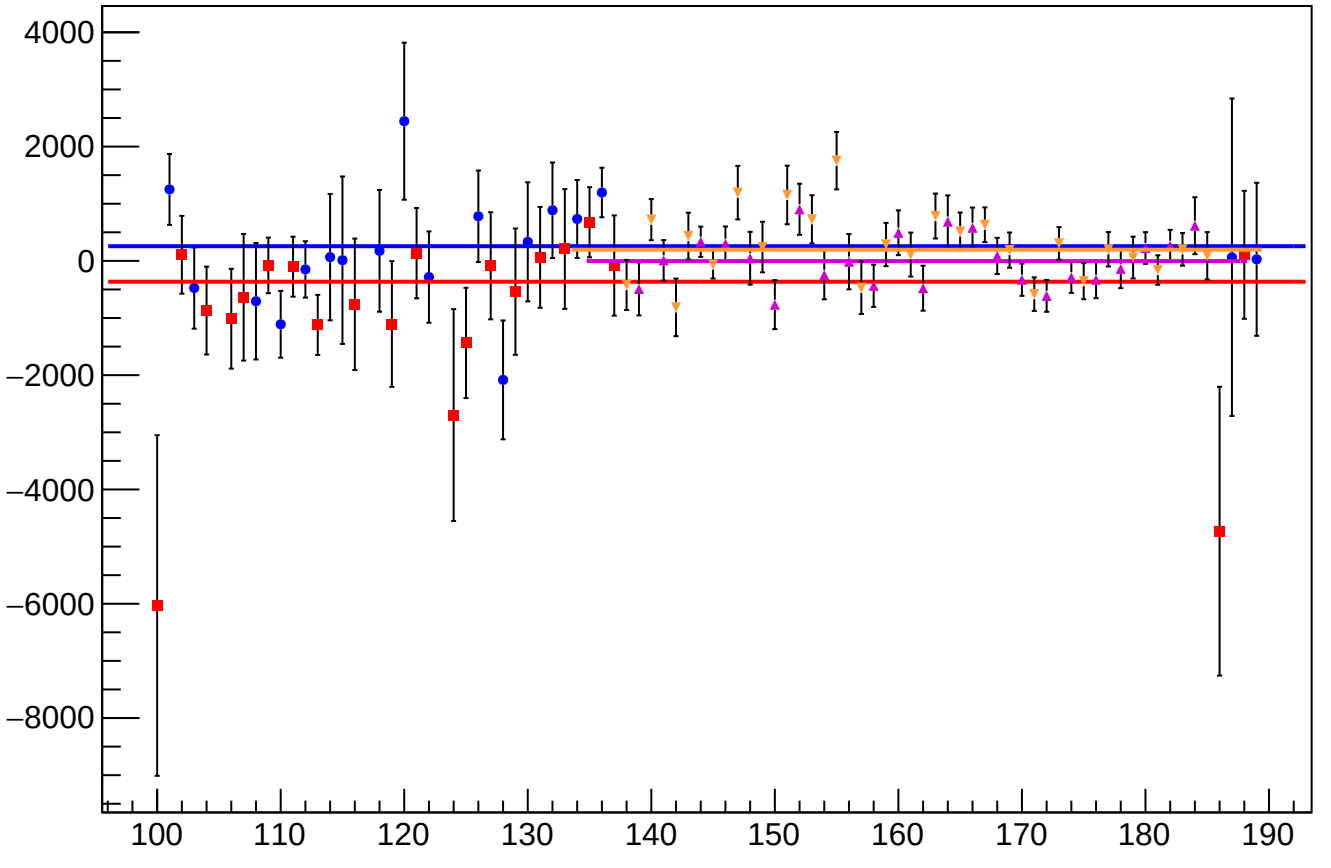
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 47.245+/-0.009 χ^2/NDF: 2469767.1/38

In: 41.144+/-0.006 χ^2/NDF:1417687.9/40

Out: 41.176+/-0.006 χ^2/NDF:2179474.8/45

All: 41.160+/-0.004 χ^2/NDF: 3597179.0/86



Right In: 256.706+/-183.066 χ^2/NDF: 25.0/17

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -364.399+/-179.097 χ^2/NDF: 18.4/20

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

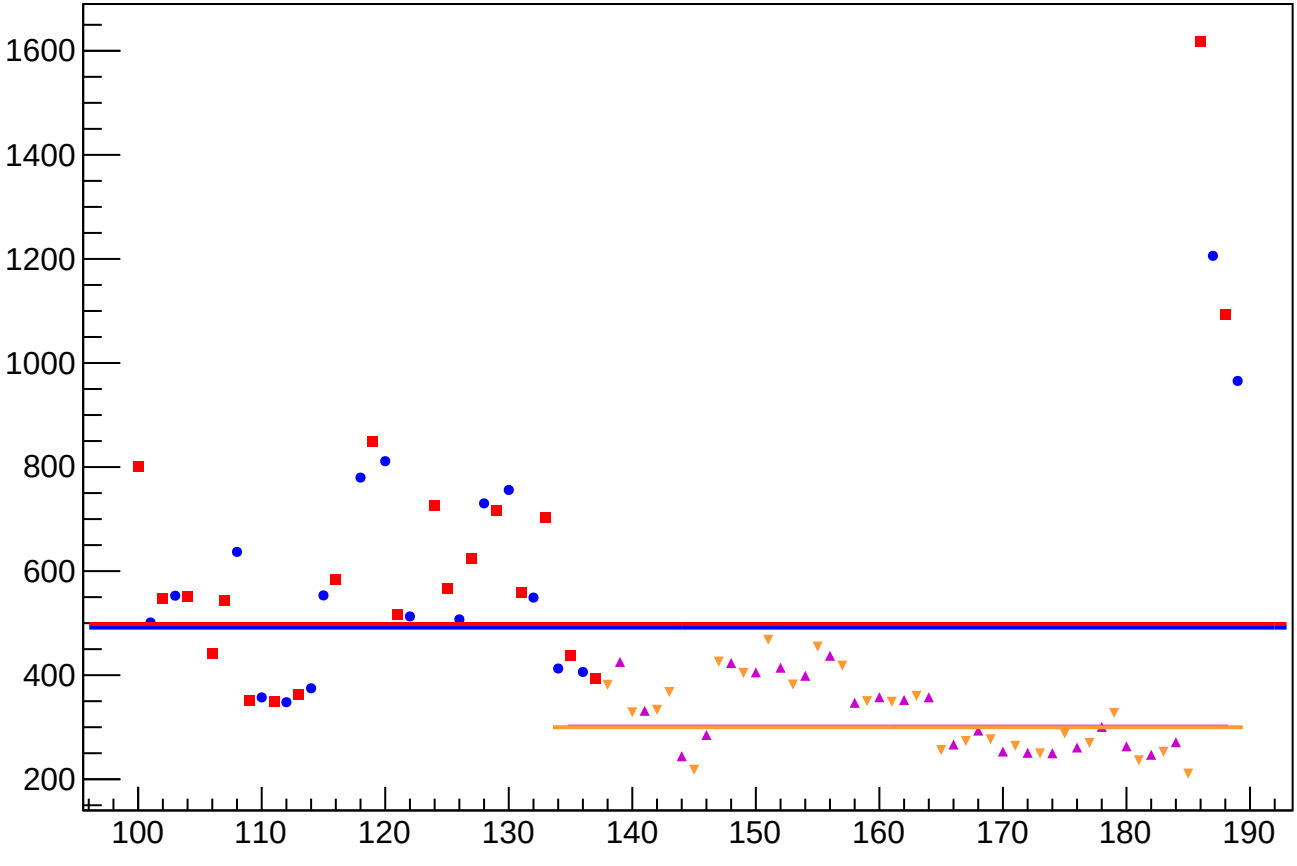
Right: -60.653+/-128.021 χ^2/NDF: 49.3/38

In: 30.896+/-66.989 χ^2/NDF:59.1/40

Out: 120.723+/-65.272 χ^2/NDF:75.4/45

All: 76.975+/-46.749 χ^2/NDF: 135.5/86

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 491.427+/-0.129 χ^2/NDF: 1344527.7/17

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 498.409+/-0.127 χ^2/NDF: 1989829.5/20

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

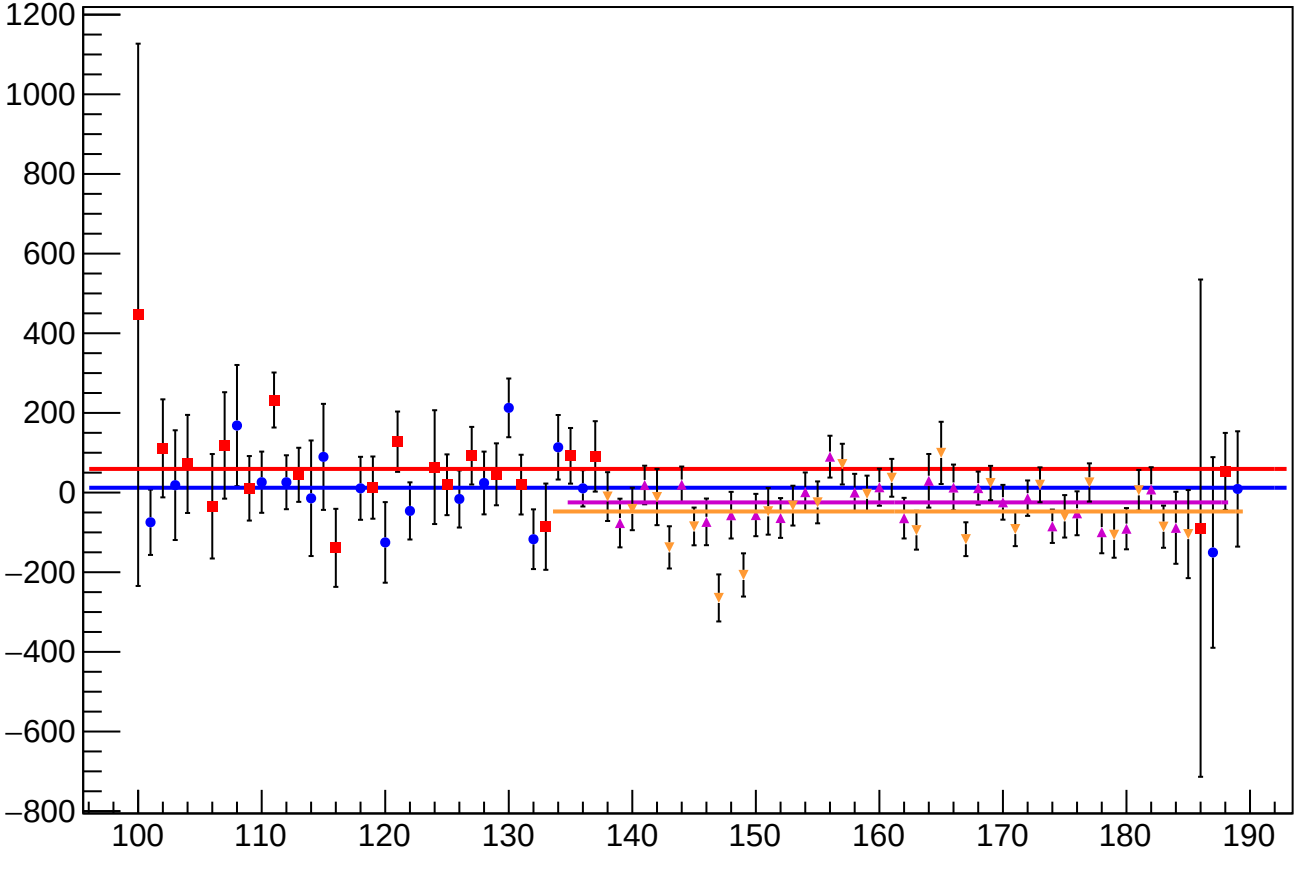
Right: 494.994+/-0.091 χ^2/NDF: 3335843.8/38

In: 326.498+/-0.047 χ^2/NDF:4626029.1/40

Out: 326.333+/-0.046 χ^2/NDF:5927333.1/45

All: 326.413+/-0.033 χ^2/NDF: 10553368.4/86

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 12.092+/-19.599 χ^2/NDF: 17.7/17

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 59.379+/-19.795 χ^2/NDF: 16.2/20

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

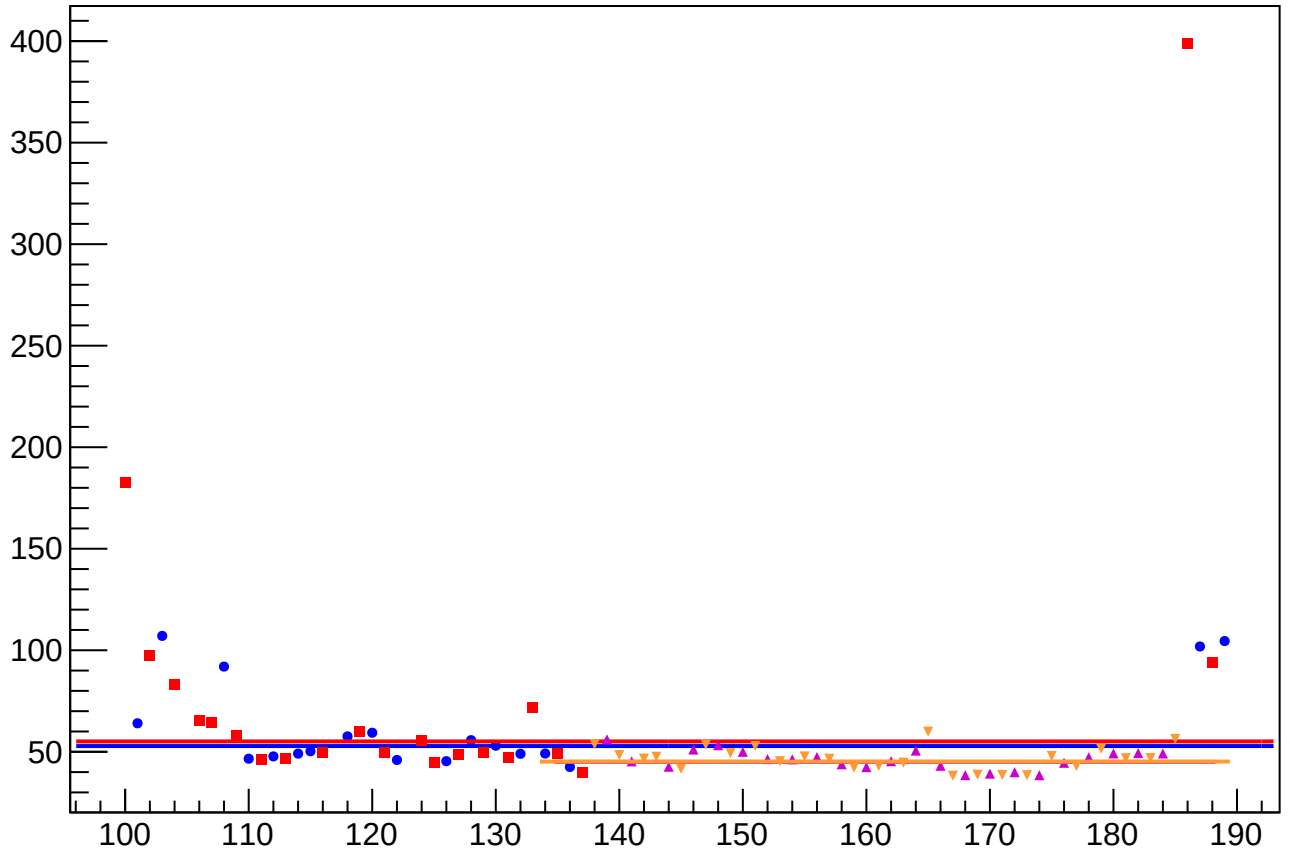
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.500+/-13.927 χ^2/NDF: 36.7/38

In: -16.291+/-9.364 χ^2/NDF:40.1/40

Out: -24.392+/-9.201 χ^2/NDF:93.7/45

All: -20.412+/-6.563 χ^2/NDF: 134.2/86



Right In: 52.815+/-0.014 χ^2/NDF: 1014814.6/17

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 55.109+/-0.014 χ^2/NDF: 1666468.1/20

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

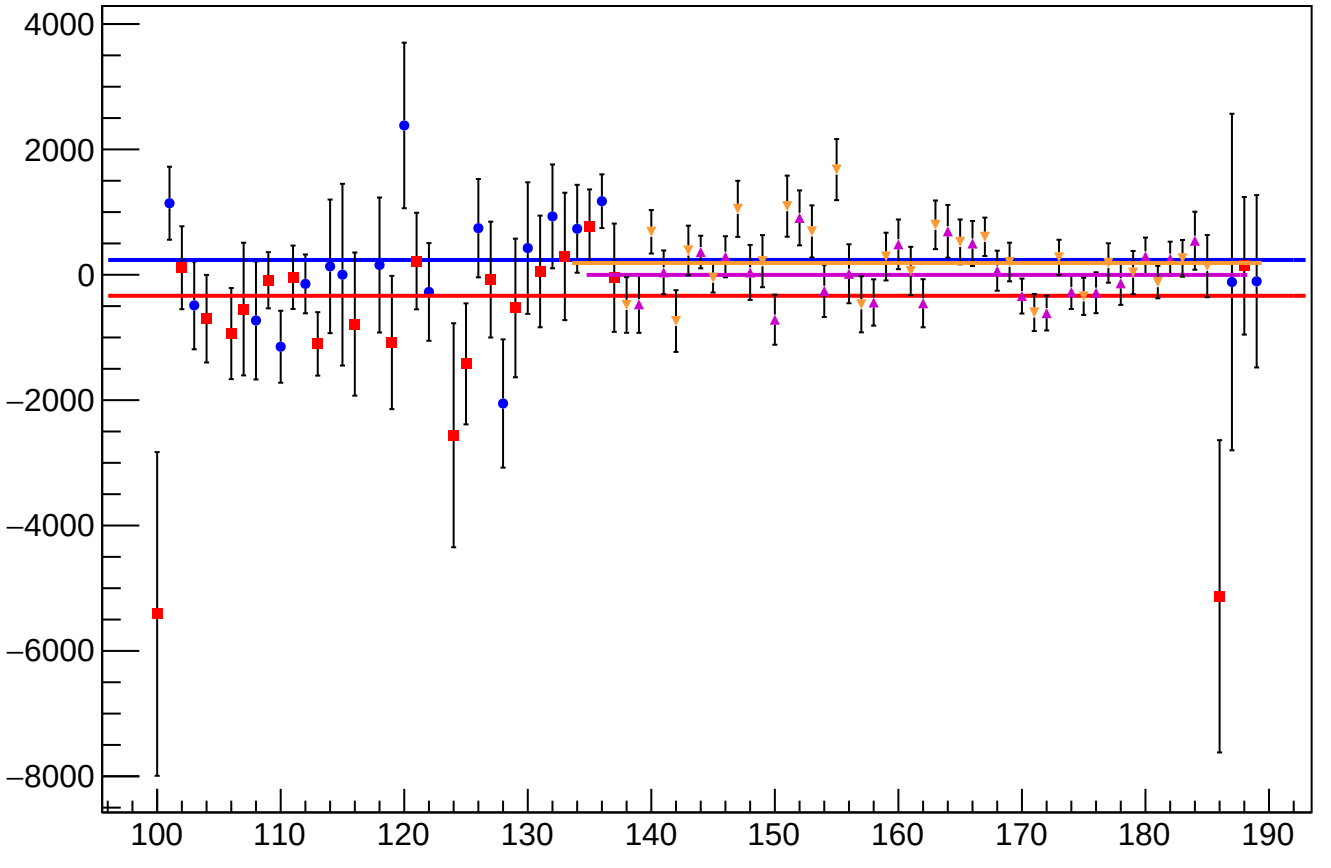
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 53.950+/-0.010 χ^2/NDF: 2694848.4/38

In: 46.797+/-0.007 χ^2/NDF:1631777.0/40

Out: 47.321+/-0.007 χ^2/NDF:2551163.9/45

All: 47.064+/-0.005 χ^2/NDF: 4186126.0/86



Right In: 236.342+/-178.928 χ^2/NDF: 25.7/17

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -334.954+/-171.094 χ^2/NDF: 20.4/20

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

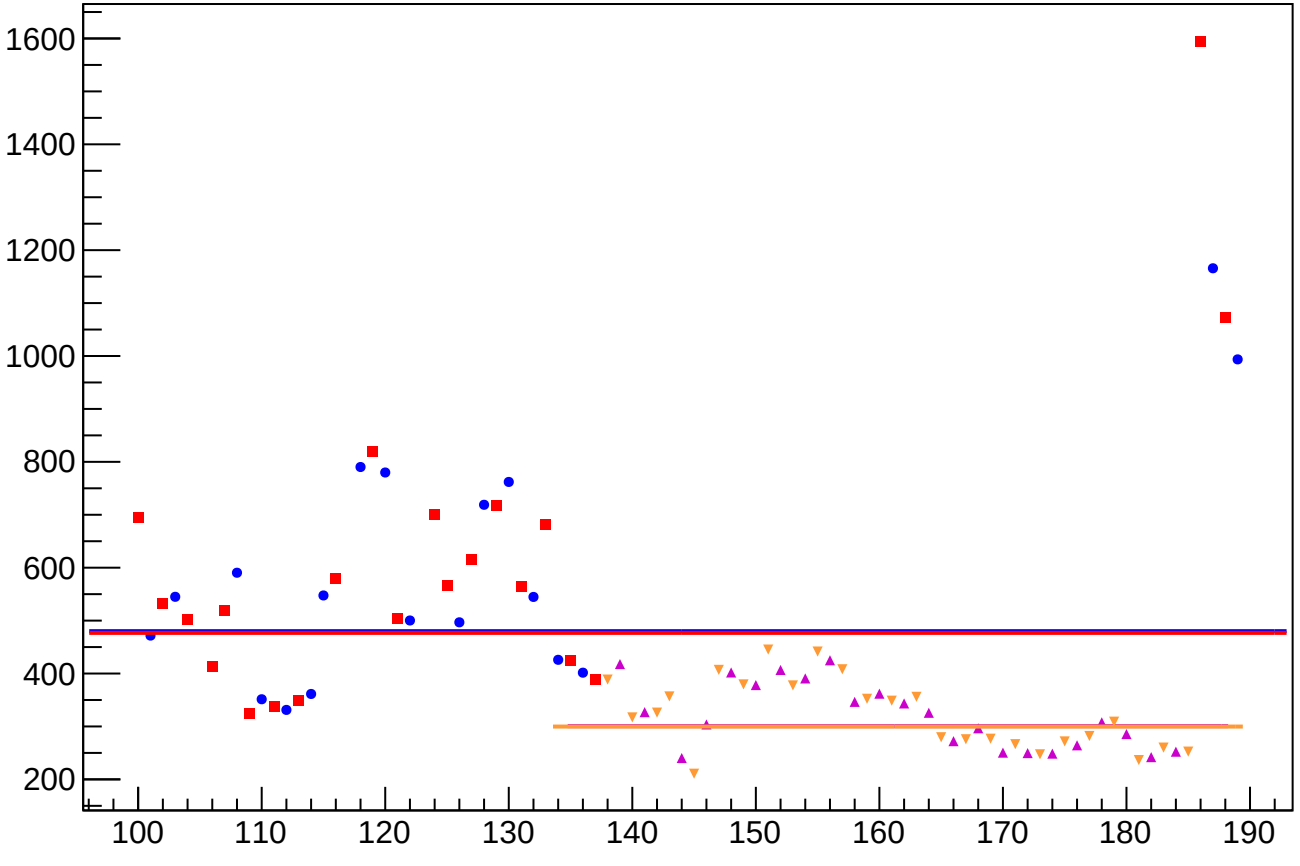
Right: -62.087+/-123.659 χ^2/NDF: 51.4/38

In: 31.284+/-66.565 χ^2/NDF:59.4/40

Out: 114.237+/-64.560 χ^2/NDF:75.2/45

All: 74.028+/-46.344 χ^2/NDF: 135.4/86

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 480.066+/-0.127 χ^2/NDF: 1401239.6/17

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 476.812+/-0.121 χ^2/NDF: 2102103.0/20

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

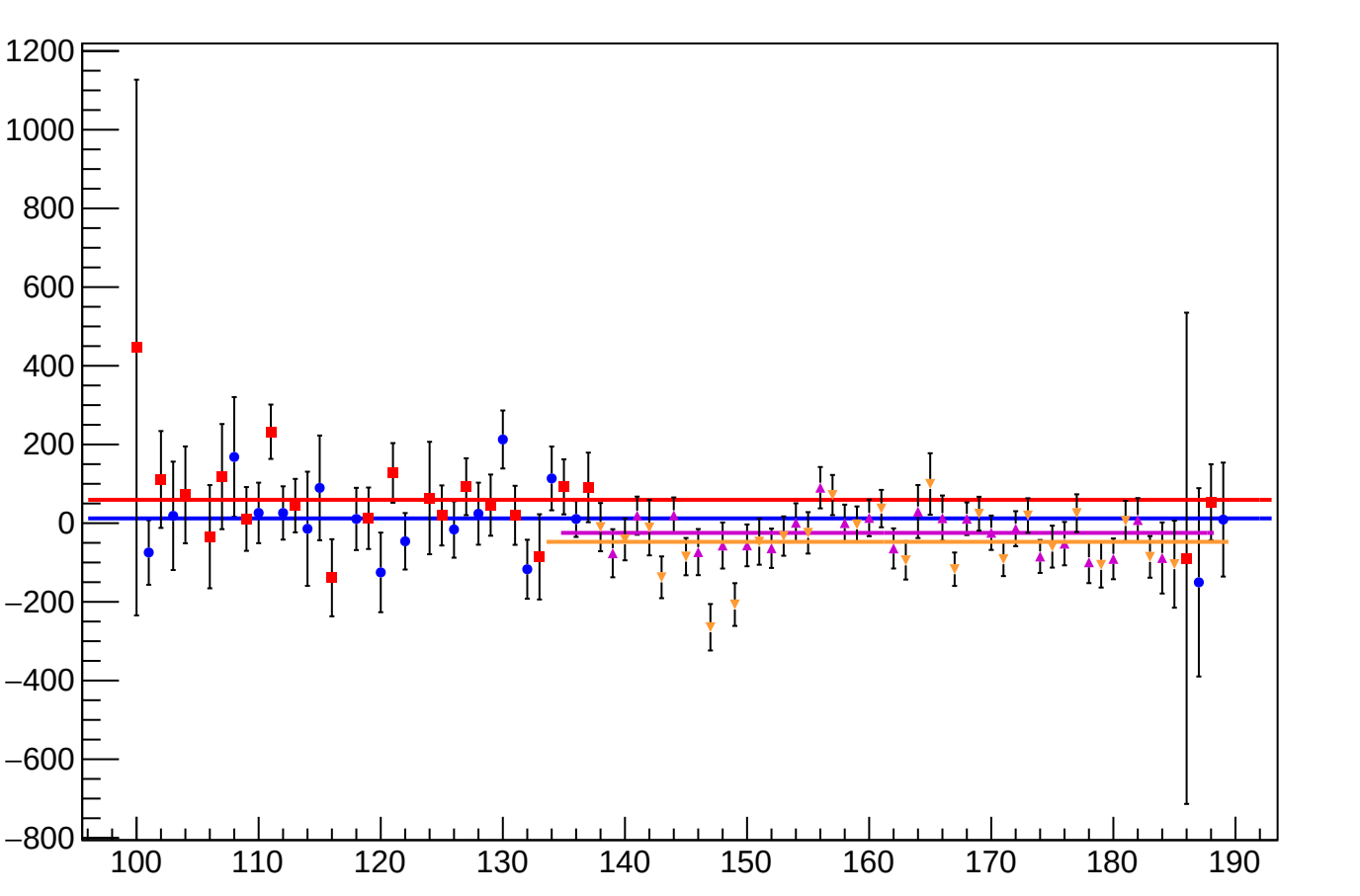
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 478.366+/-0.087 χ^2/NDF: 3503688.0/38

In: 325.390+/-0.047 χ^2/NDF:4395159.3/40

Out: 325.002+/-0.046 χ^2/NDF:5515512.4/45

All: 325.190+/-0.033 χ^2/NDF: 9910706.7/86



Right In: 12.092+/-19.599 χ^2/NDF: 17.7/17

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 59.380+/-19.795 χ^2/NDF: 16.2/20

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

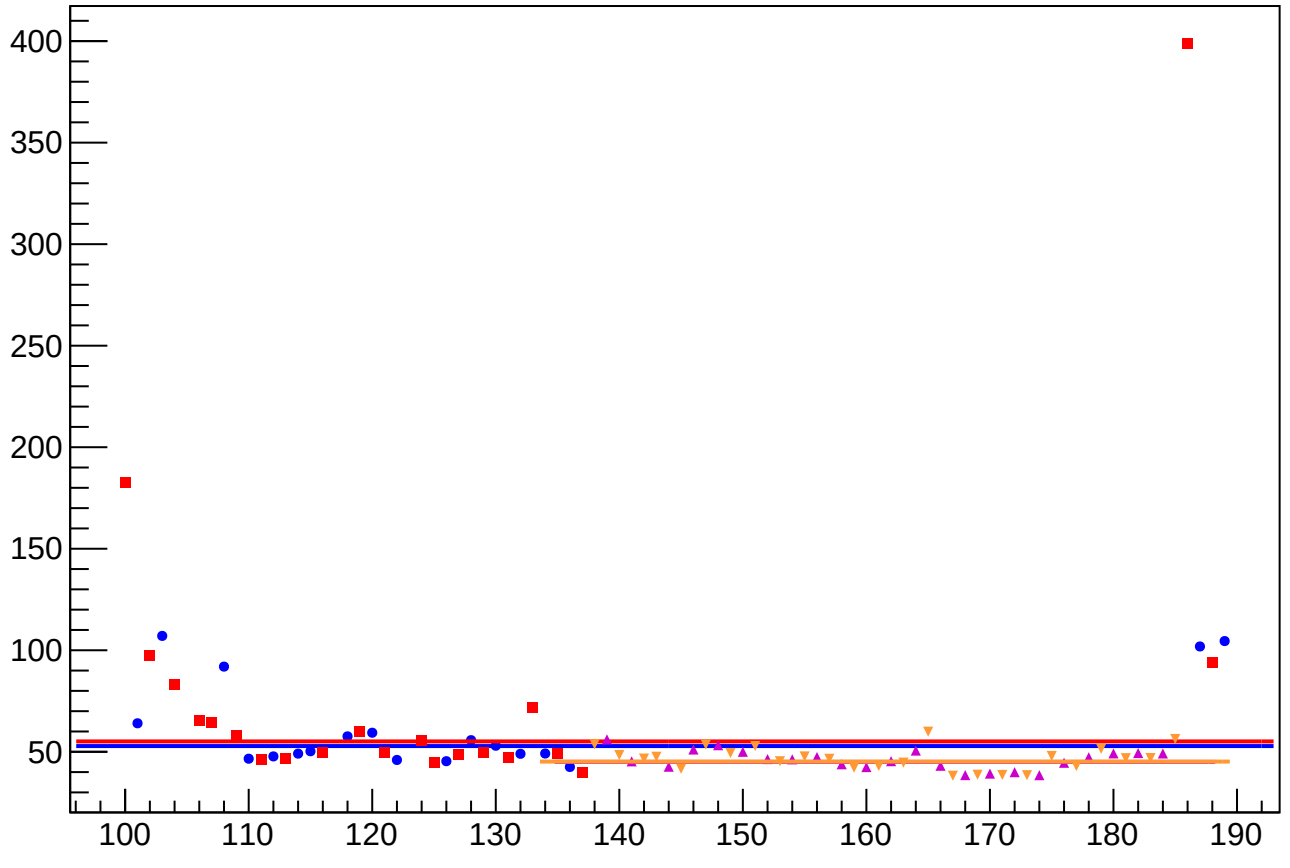
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.501+/-13.927 χ^2/NDF: 36.7/38

In: -16.291+/-9.364 χ^2/NDF:40.1/40

Out: -24.392+/-9.201 χ^2/NDF:93.7/45

All: -20.412+/-6.563 χ^2/NDF: 134.2/86



Right In: 52.815+/-0.014 χ^2/NDF: 1014823.3/17

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 55.109+/-0.014 χ^2/NDF: 1666484.9/20

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

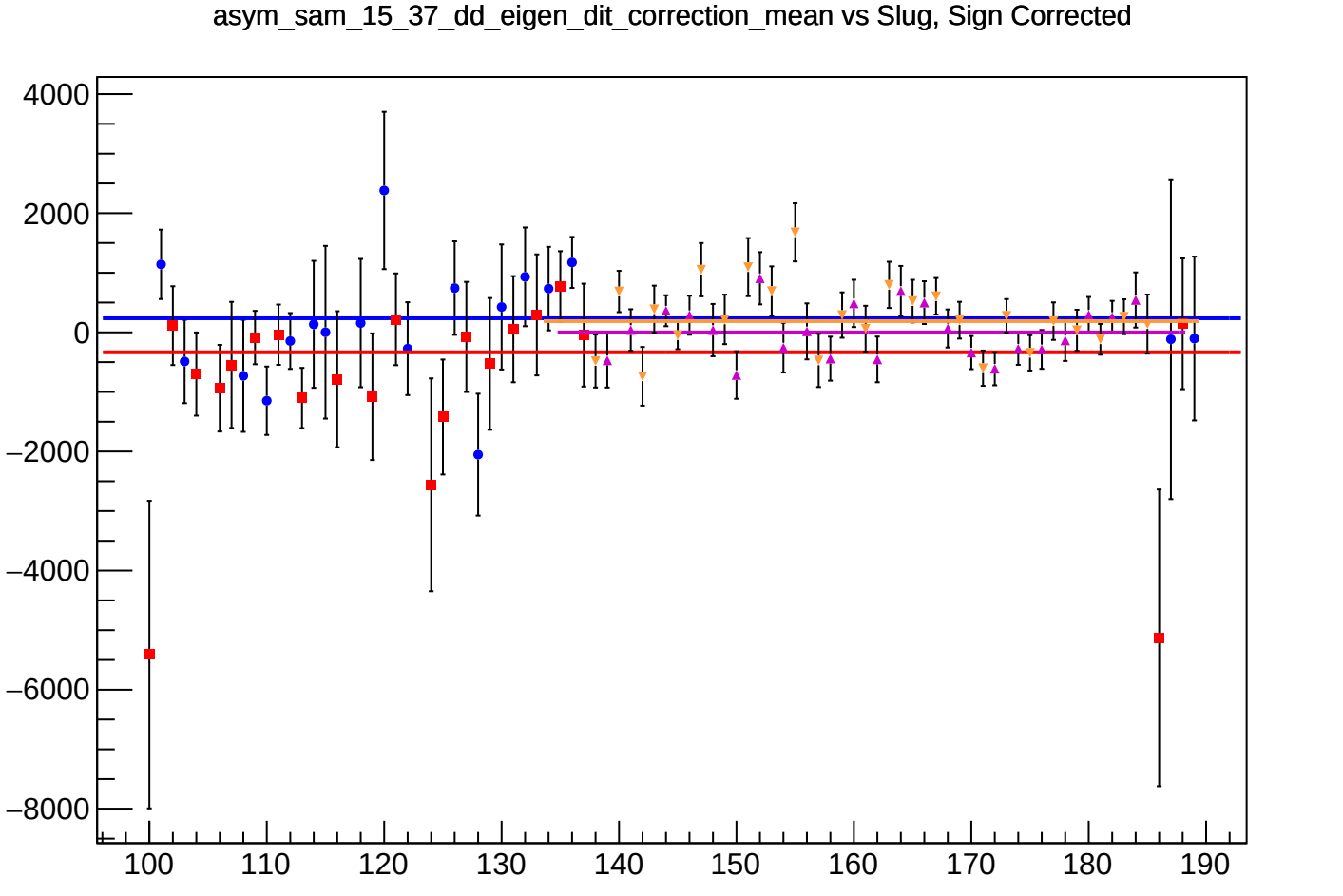
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 53.950+/-0.010 χ^2/NDF: 2694874.3/38

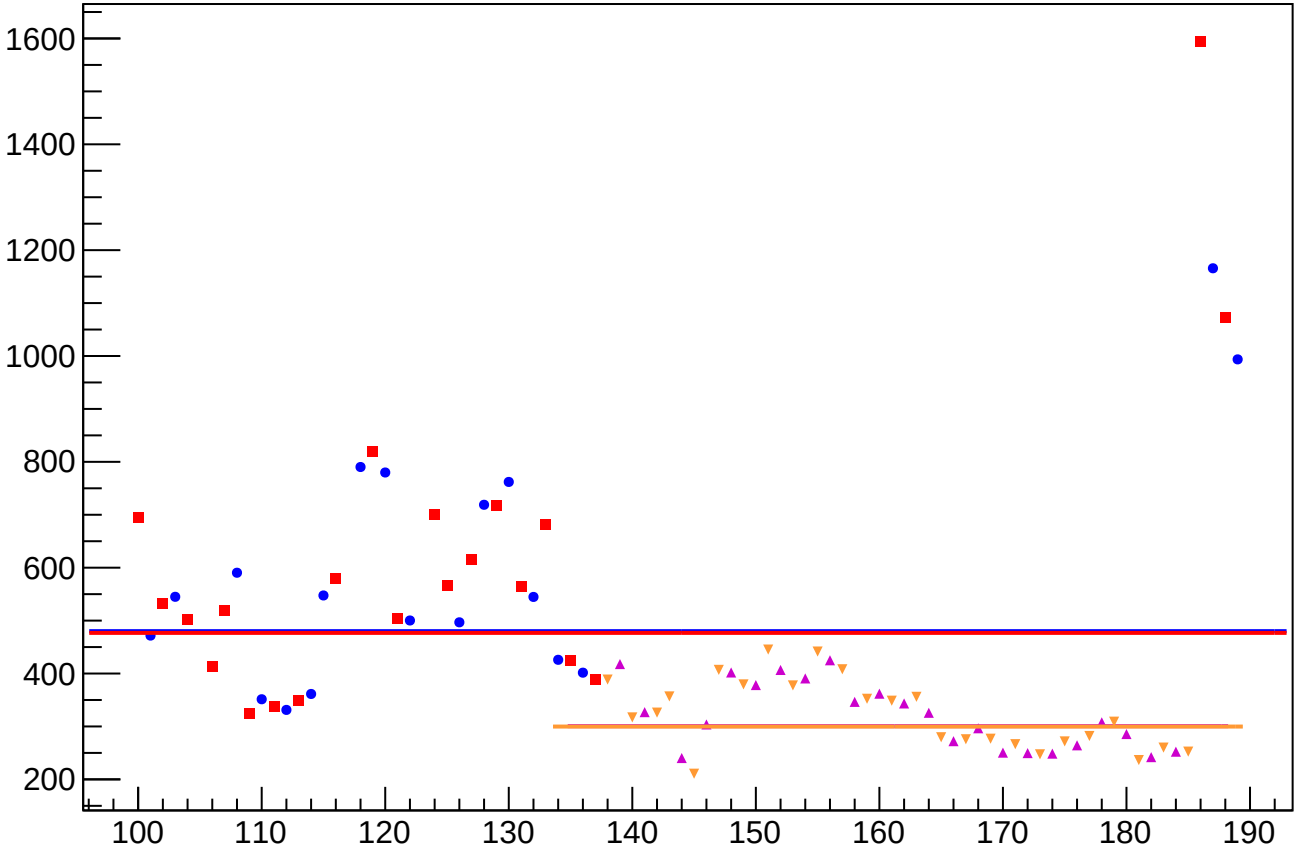
In: 46.797+/-0.007 χ^2/NDF:1631785.3/40

Out: 47.321+/-0.007 χ^2/NDF:2551184.1/45

All: 47.064+/-0.005 χ^2/NDF: 4186154.2/86


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 236.341+/-178.928 χ²/NDF: 25.7/17
Left Out: 188.813+/-69.714 χ²/NDF:46.8/24
Right Out: -334.954+/-171.094 χ²/NDF: 20.4/20
Left In: -1.654+/-71.712 χ²/NDF:32.2/22
Left: 96.270+/-49.987 χ²/NDF: 82.6/47
Right: -62.087+/-123.658 χ²/NDF: 51.4/38
In: 31.284+/-66.565 χ²/NDF:59.4/40
Out: 114.236+/-64.560 χ²/NDF:75.2/45
All: 74.029+/-46.344 χ²/NDF: 135.4/86

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 480.065+/-0.127 χ^2/NDF: 1401241.8/17

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 476.812+/-0.121 χ^2/NDF: 2102097.5/20

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

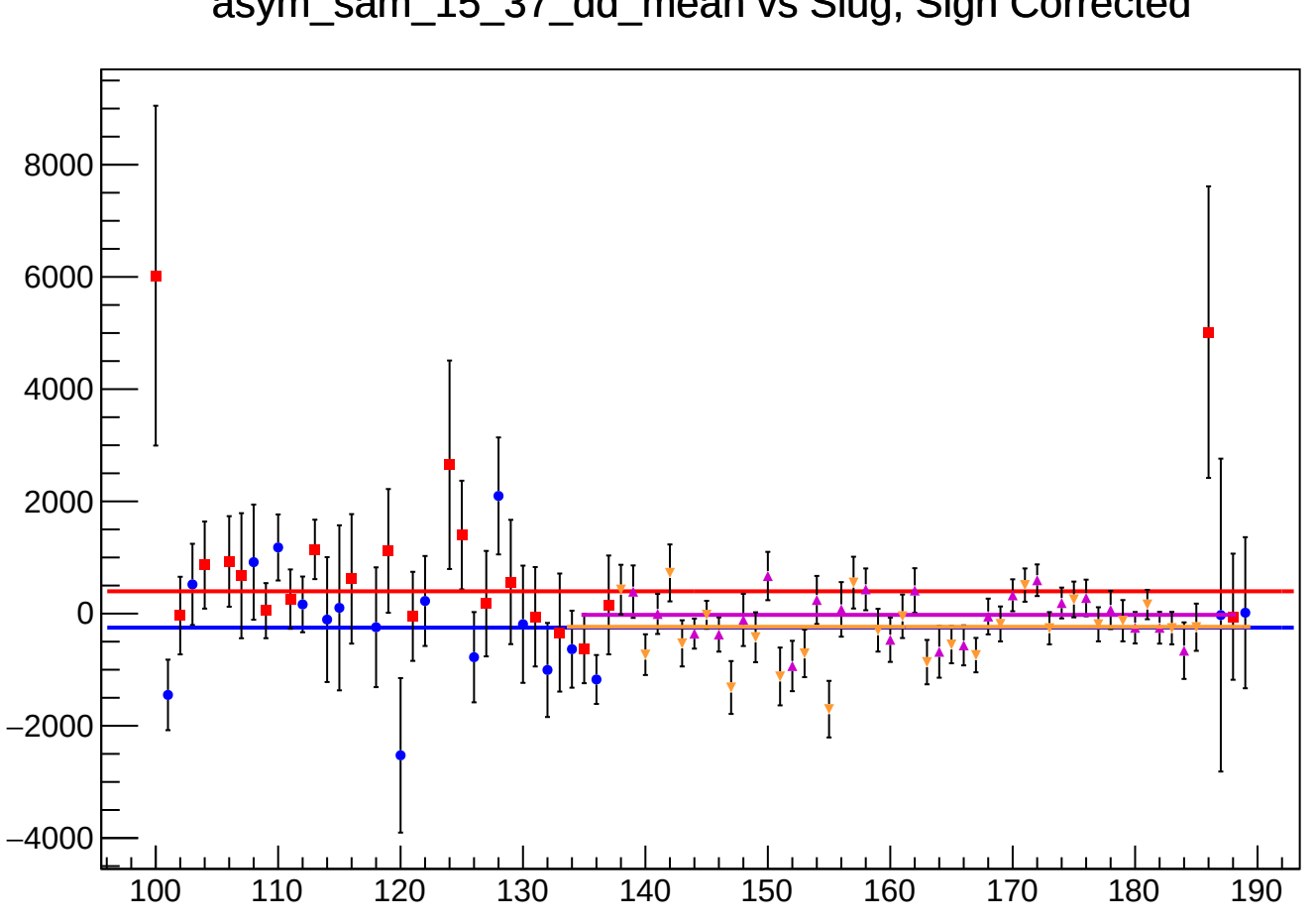
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 478.365+/-0.087 χ^2/NDF: 3503684.8/38

In: 325.390+/-0.047 χ^2/NDF:4395136.8/40

Out: 325.002+/-0.046 χ^2/NDF:5515492.7/45

All: 325.190+/-0.033 χ^2/NDF: 9910664.5/86



Right In: -250.639+/-184.294 χ^2/NDF: 27.0/17

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 397.283+/-179.577 χ^2/NDF: 17.6/20

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

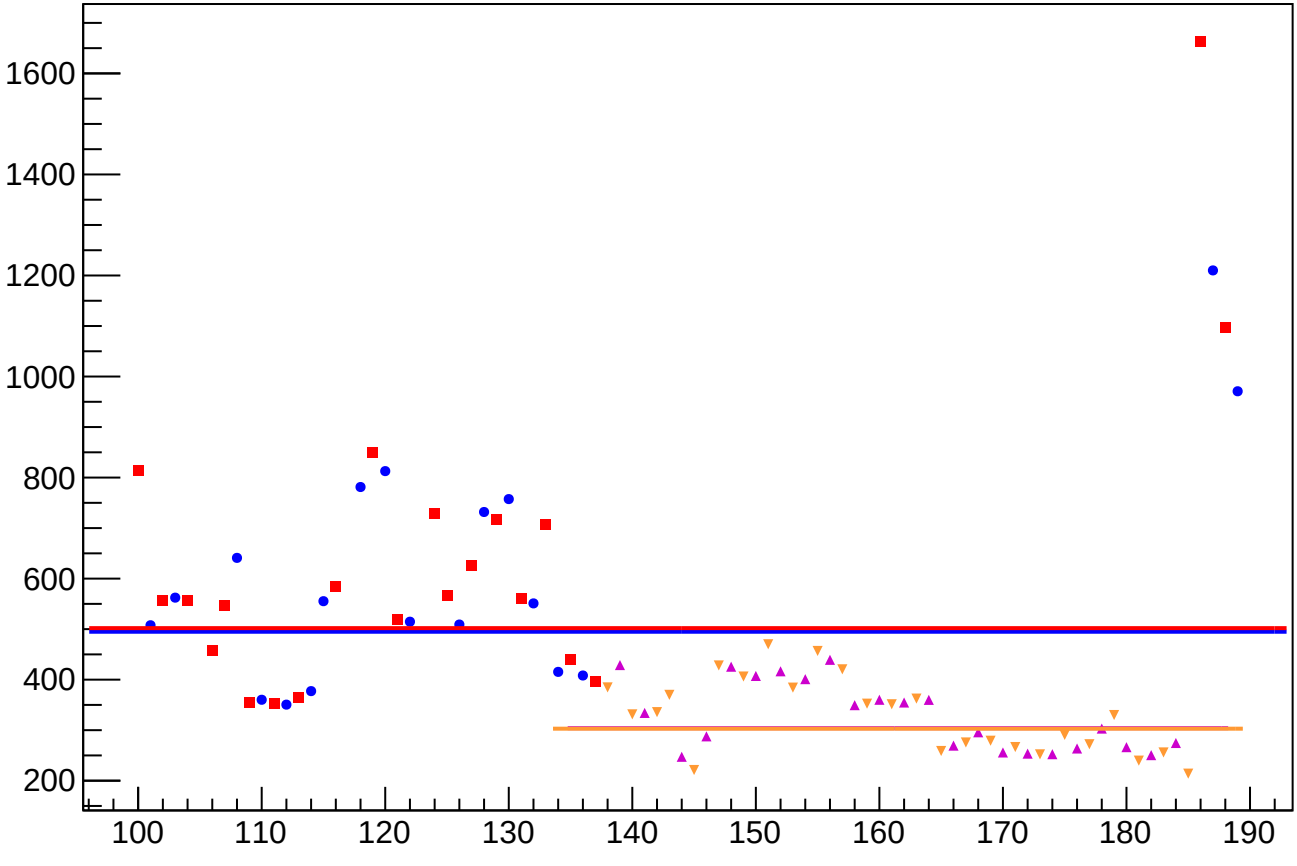
Right: 81.720+/-128.616 χ^2/NDF: 50.9/38

In: -53.319+/-67.582 χ^2/NDF:58.2/40

Out: -150.207+/-65.818 χ^2/NDF:75.8/45

All: -103.044+/-47.152 χ^2/NDF: 135.0/86

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 494.844+/-0.130 χ^2/NDF: 1336976.0/17

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 501.976+/-0.127 χ^2/NDF: 1983394.2/20

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

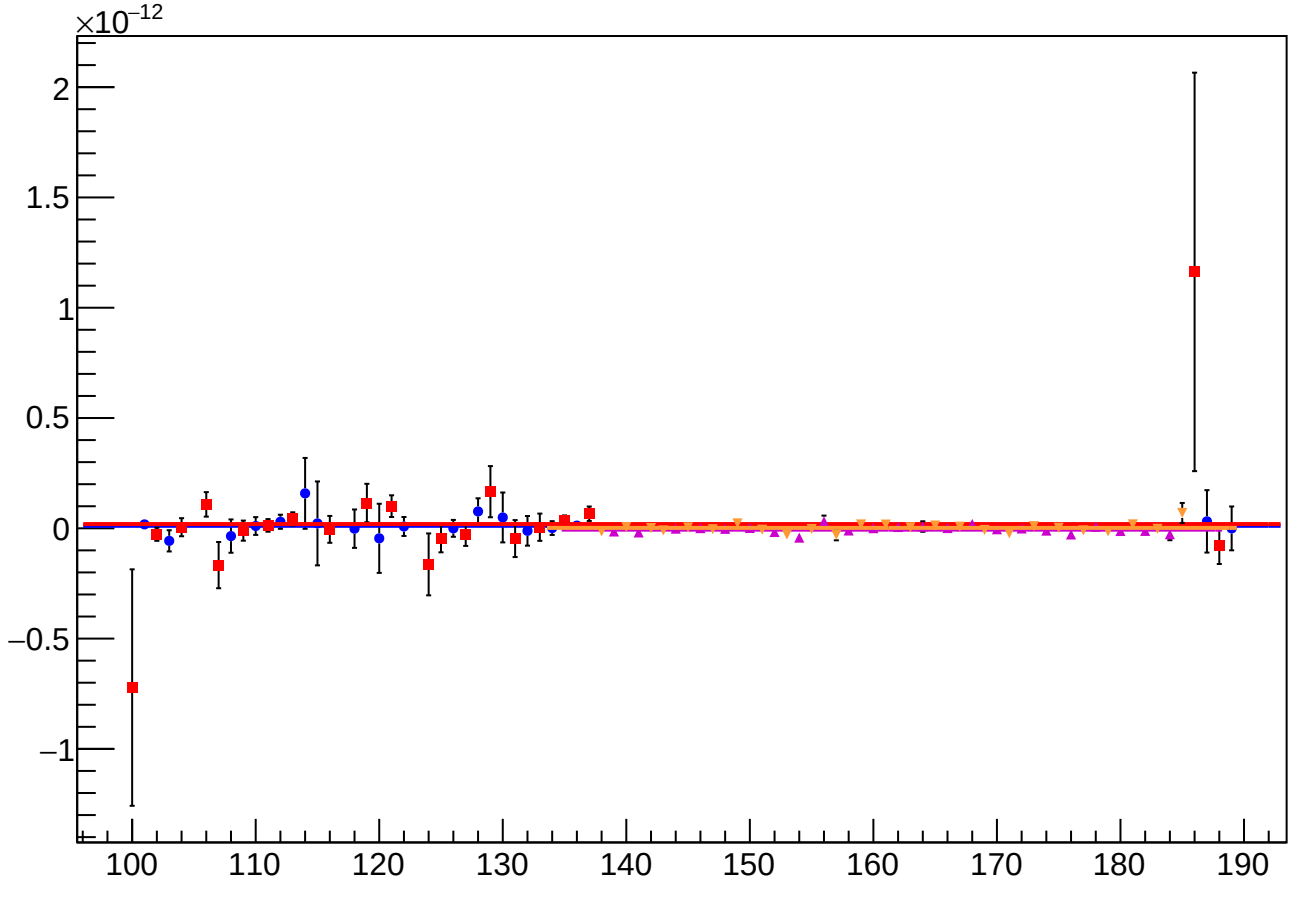
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 498.503+/-0.091 χ^2/NDF: 3321906.6/38

In: 329.597+/-0.048 χ^2/NDF:4571037.4/40

Out: 329.681+/-0.047 χ^2/NDF:5876247.8/45

All: 329.640+/-0.033 χ^2/NDF: 10447286.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 5.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/20

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

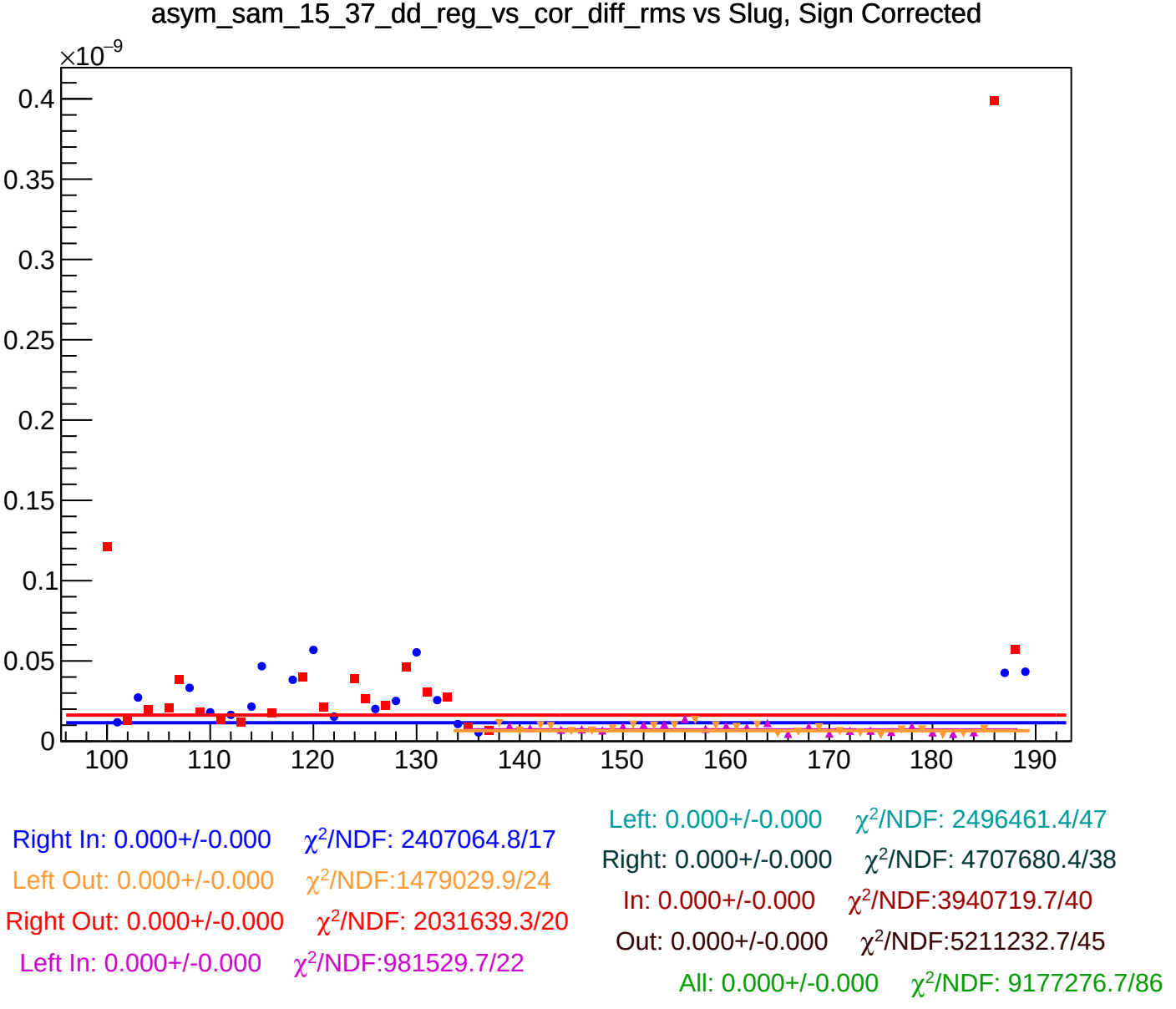
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 32.5/38

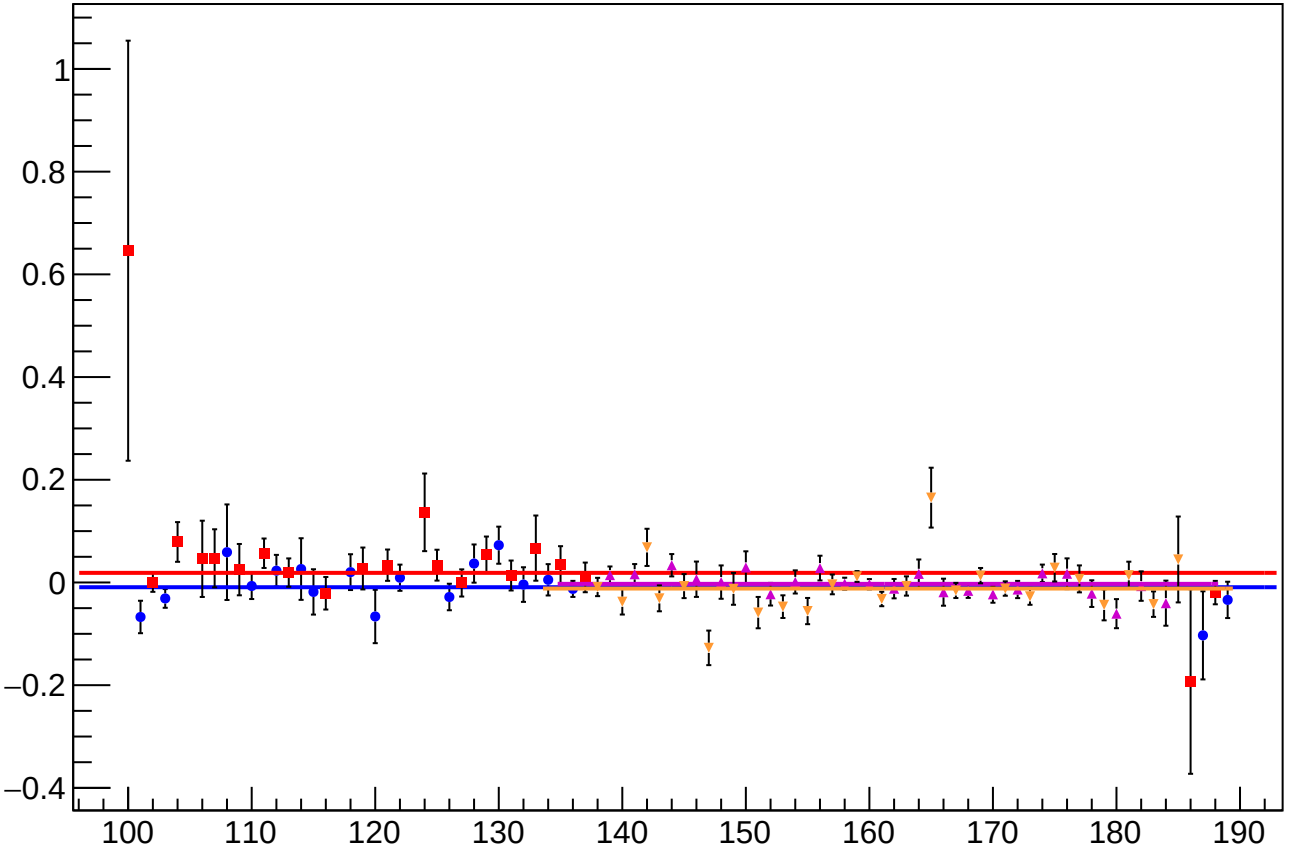
In: -0.000+/-0.000 χ^2/NDF:27.9/40

Out: 0.000+/-0.000 χ^2/NDF:52.3/45

All: -0.000+/-0.000 χ^2/NDF: 83.9/86


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2407064.8/17
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 2031639.3/20
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 4707680.4/38
In: 0.000+/-0.000 χ²/NDF:3940719.7/40
Out: 0.000+/-0.000 χ²/NDF:5211232.7/45
All: 0.000+/-0.000 χ²/NDF: 9177276.7/86

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 18.5/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

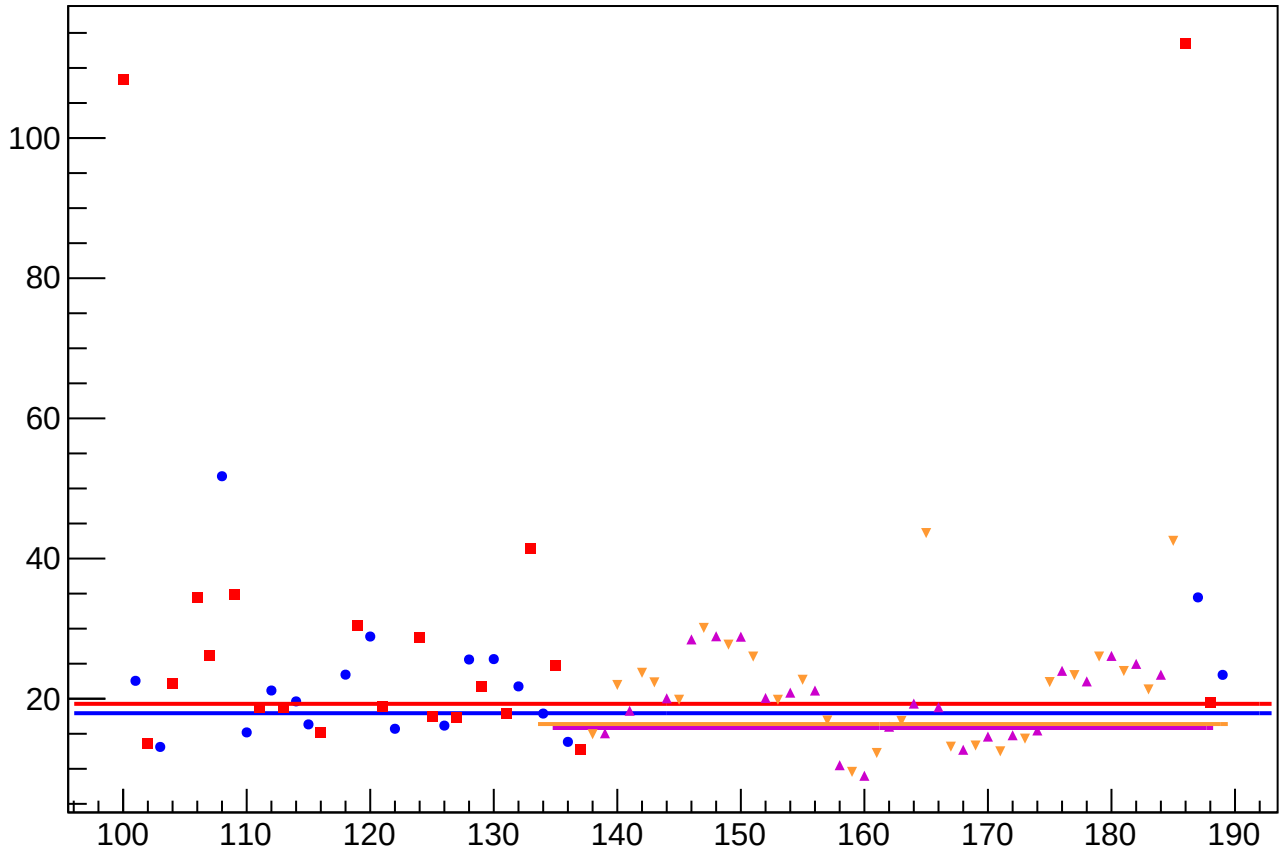
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.004+/-0.005 χ^2/NDF: 45.3/38

In: -0.004+/-0.004 χ^2/NDF:38.9/40

Out: -0.005+/-0.004 χ^2/NDF:86.0/45

All: -0.004+/-0.002 χ^2/NDF: 124.8/86



Right In: 17.934+/-0.005 χ^2/NDF: 1119828.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 19.271+/-0.005 χ^2/NDF: 1798652.7/20

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

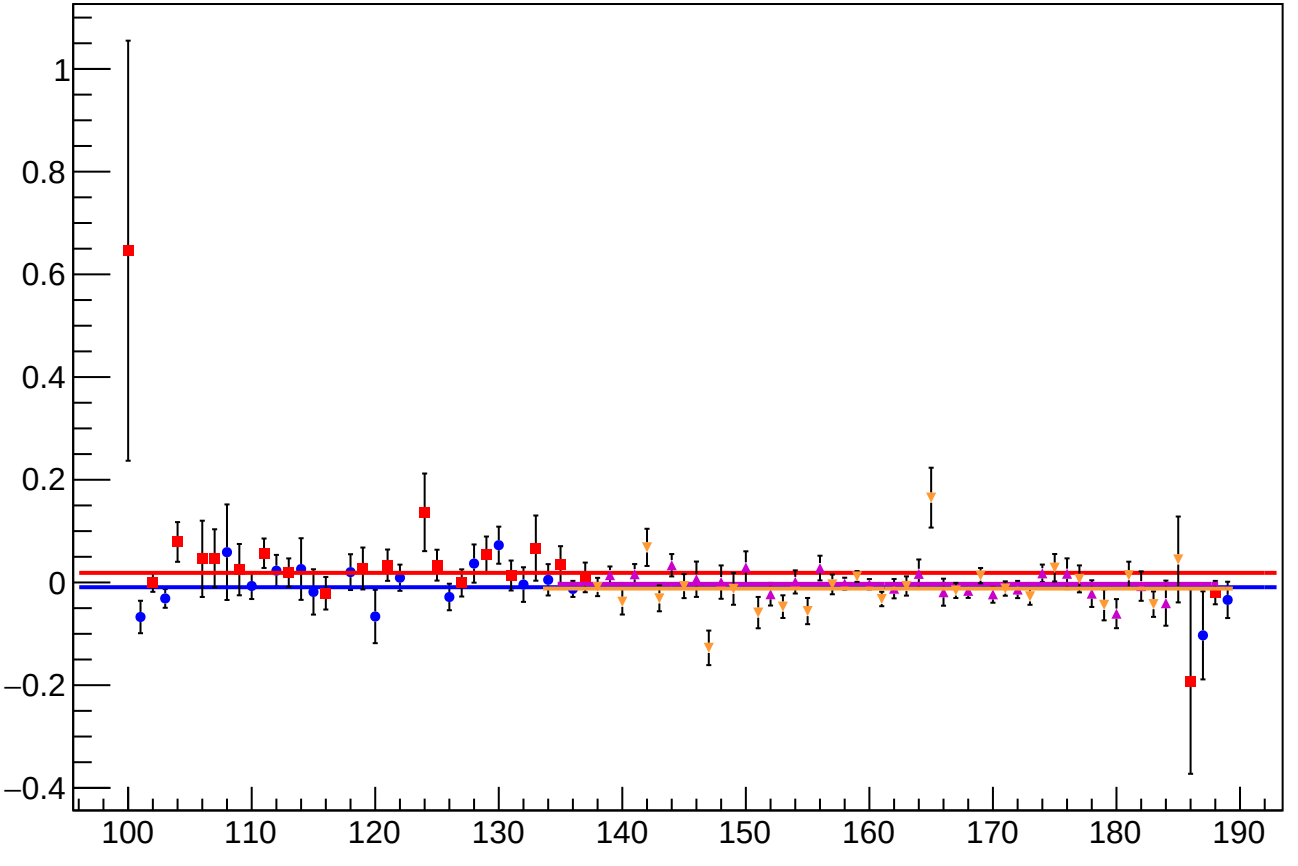
Right: 18.575+/-0.004 χ^2/NDF: 2953139.5/38

In: 16.347+/-0.002 χ^2/NDF:4909786.1/40

Out: 17.067+/-0.003 χ^2/NDF:6065602.9/45

All: 16.702+/-0.002 χ^2/NDF: 11016920.5/86

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 18.5/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

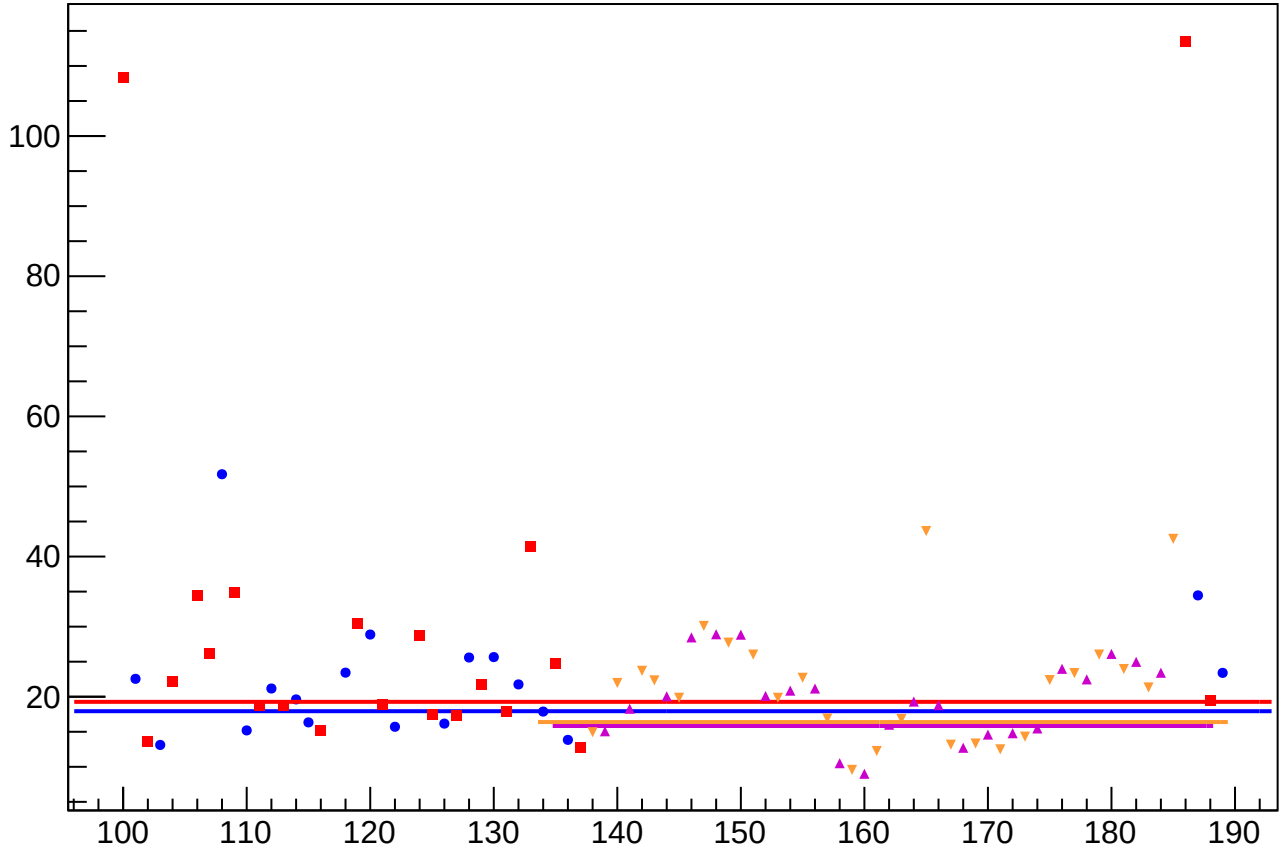
Right: 0.004+/-0.005 χ^2/NDF: 45.3/38

In: -0.004+/-0.004 χ^2/NDF:38.9/40

Out: -0.005+/-0.004 χ^2/NDF:86.0/45

All: -0.004+/-0.002 χ^2/NDF: 124.8/86

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.934+/-0.005 χ^2/NDF: 1119828.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 19.271+/-0.005 χ^2/NDF: 1798652.7/20

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

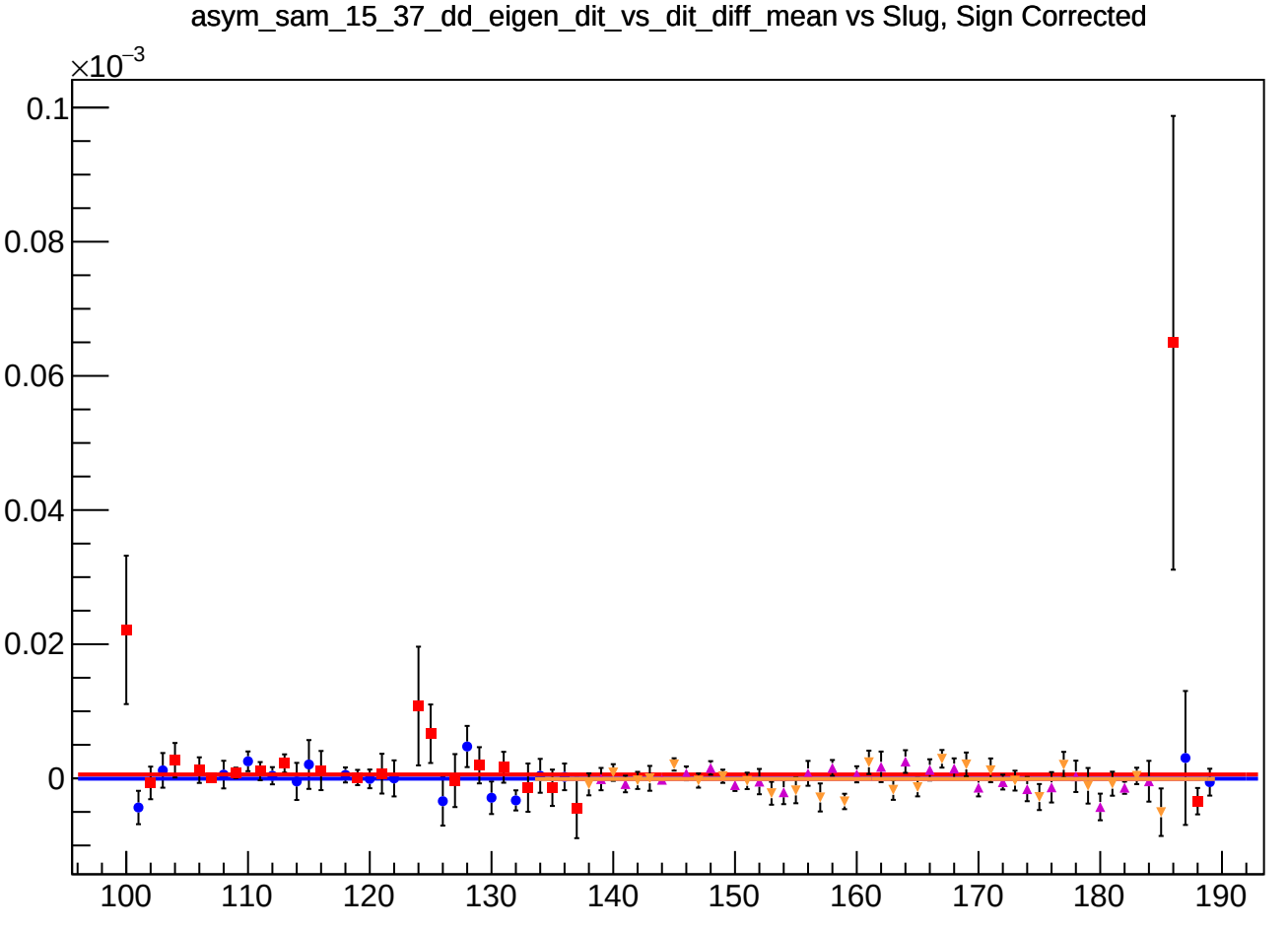
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 18.575+/-0.004 χ^2/NDF: 2953139.5/38

In: 16.347+/-0.002 χ^2/NDF:4909786.1/40

Out: 17.067+/-0.003 χ^2/NDF:6065602.9/45

All: 16.702+/-0.002 χ^2/NDF: 11016920.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/20

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

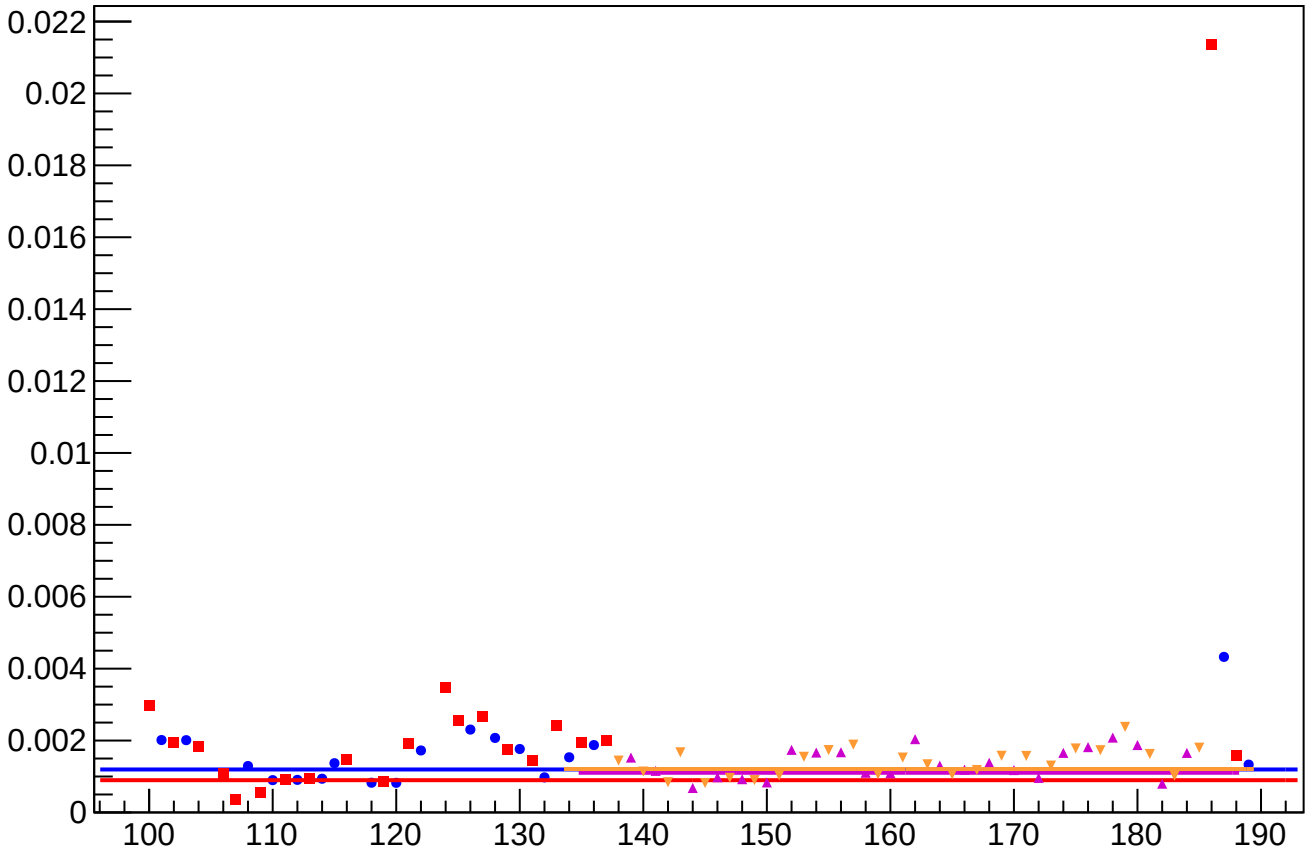
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: 0.000+/-0.000 χ^2/NDF: 38.5/38

In: -0.000+/-0.000 χ^2/NDF:38.6/40

Out: 0.000+/-0.000 χ^2/NDF:58.9/45

All: 0.000+/-0.000 χ^2/NDF: 98.1/86



Right In: 0.001+/-0.000 χ^2/NDF: 2036105.2/17

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5420555.8/20

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

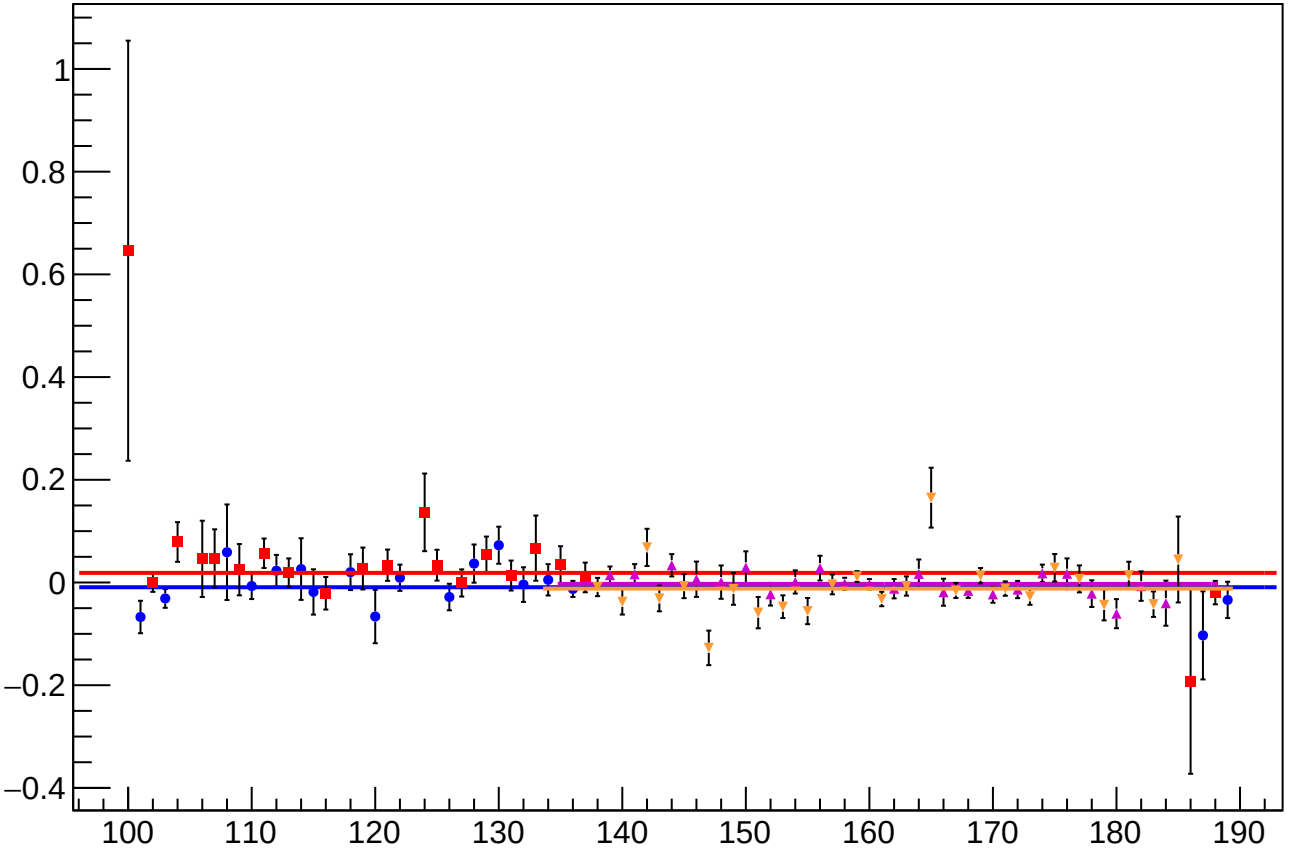
Right: 0.001+/-0.000 χ^2/NDF: 7961940.0/38

In: 0.001+/-0.000 χ^2/NDF:5589823.4/40

Out: 0.001+/-0.000 χ^2/NDF:9002930.0/45

All: 0.001+/-0.000 χ^2/NDF: 14616531.1/86

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 18.4/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

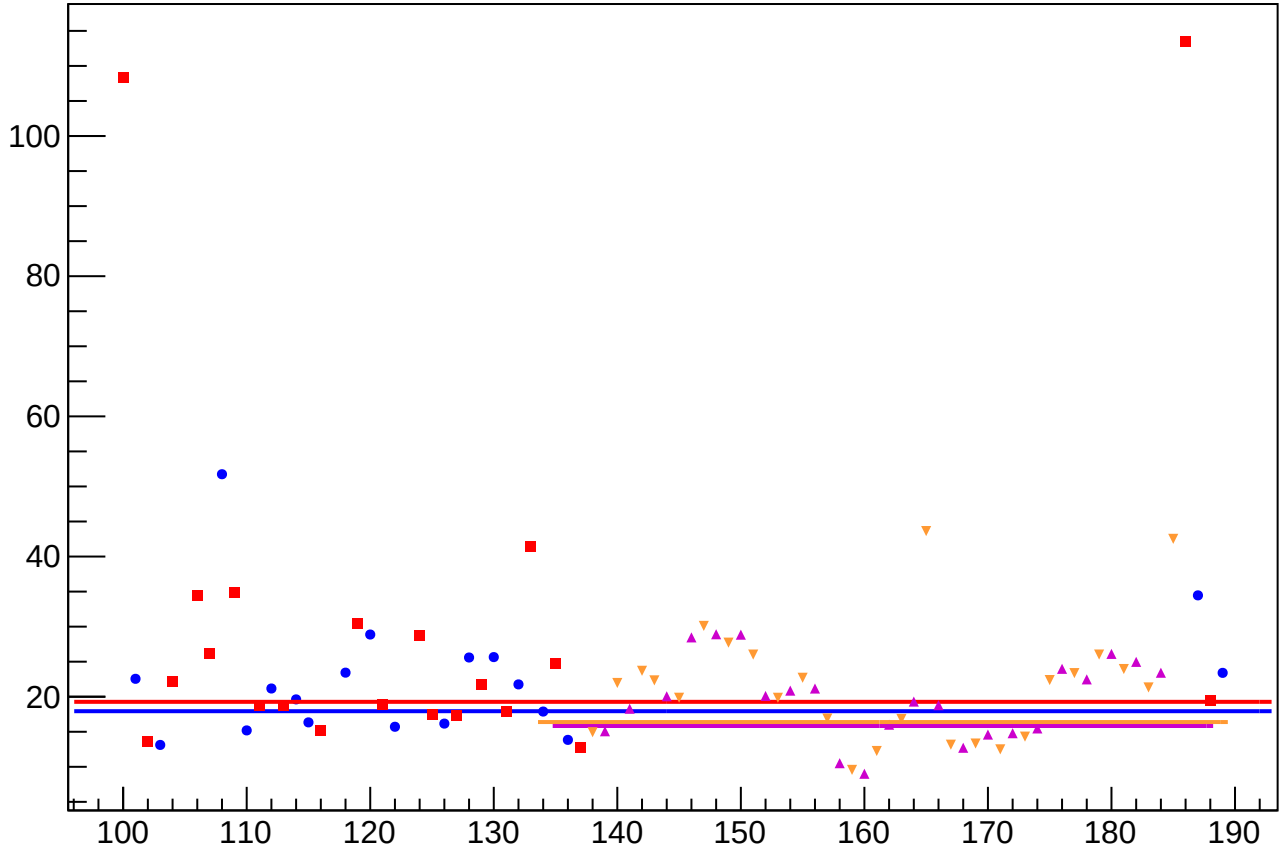
Right: 0.004+/-0.005 χ^2/NDF: 45.3/38

In: -0.004+/-0.004 χ^2/NDF:38.9/40

Out: -0.005+/-0.004 χ^2/NDF:86.0/45

All: -0.004+/-0.002 χ^2/NDF: 124.8/86

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.935+/-0.005 χ^2/NDF: 1119888.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 19.272+/-0.005 χ^2/NDF: 1798562.8/20

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

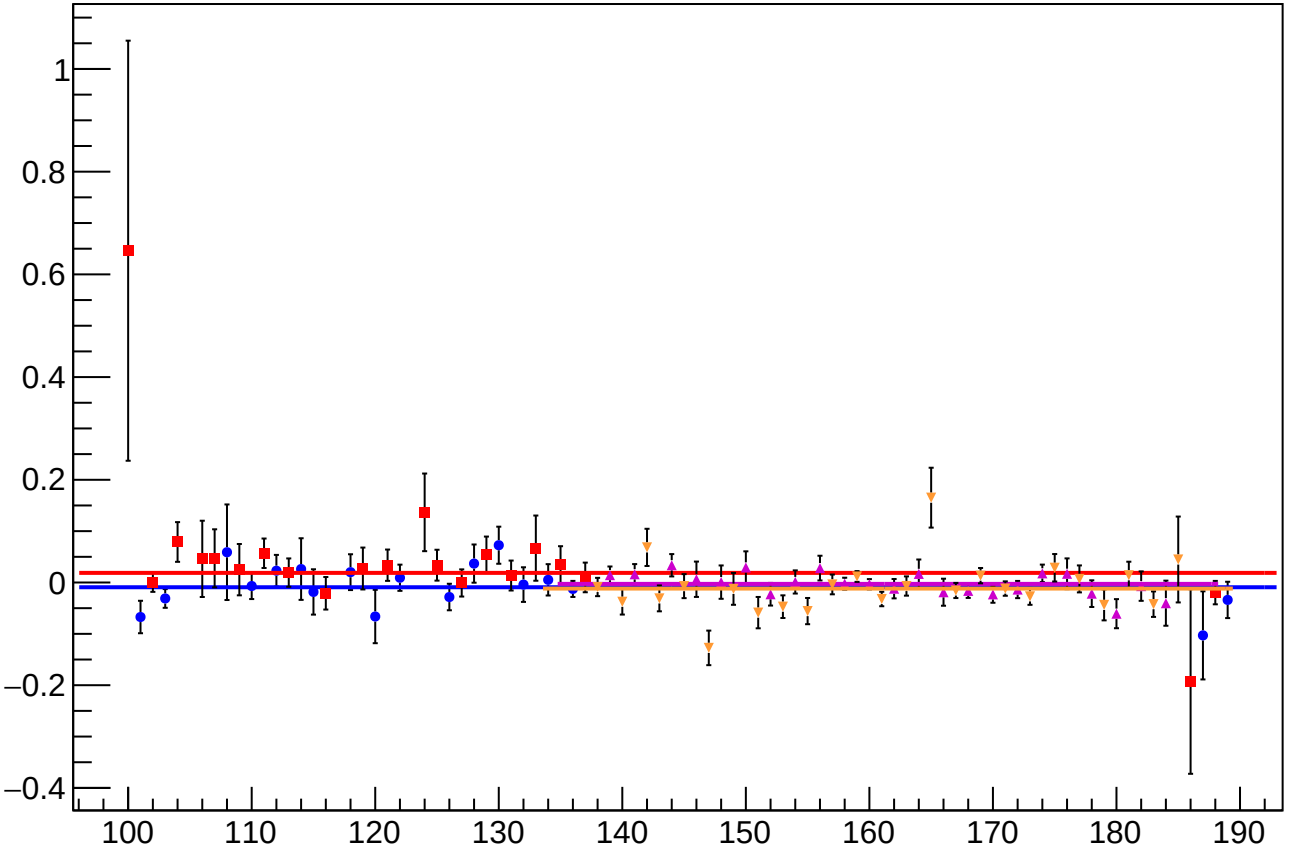
Right: 18.576+/-0.004 χ^2/NDF: 2953131.4/38

In: 16.347+/-0.002 χ^2/NDF:4910252.5/40

Out: 17.067+/-0.003 χ^2/NDF:6065872.4/45

All: 16.702+/-0.002 χ^2/NDF: 11017670.9/86

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.007 χ^2/NDF: 18.4/17

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

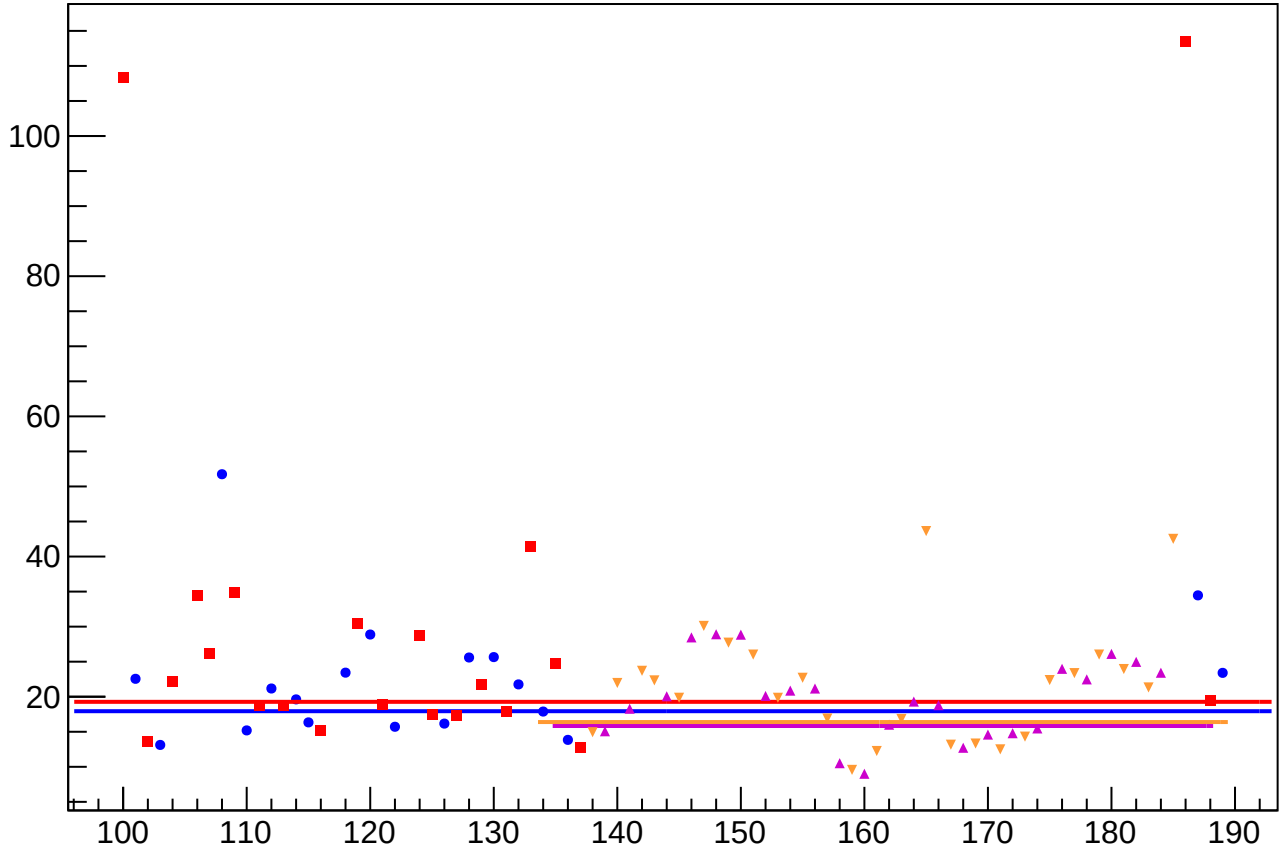
Right: 0.004+/-0.005 χ^2/NDF: 45.3/38

In: -0.004+/-0.004 χ^2/NDF:38.9/40

Out: -0.005+/-0.004 χ^2/NDF:86.0/45

All: -0.004+/-0.002 χ^2/NDF: 124.8/86

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.935+/-0.005 χ^2/NDF: 1119888.7/17

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 19.272+/-0.005 χ^2/NDF: 1798562.8/20

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

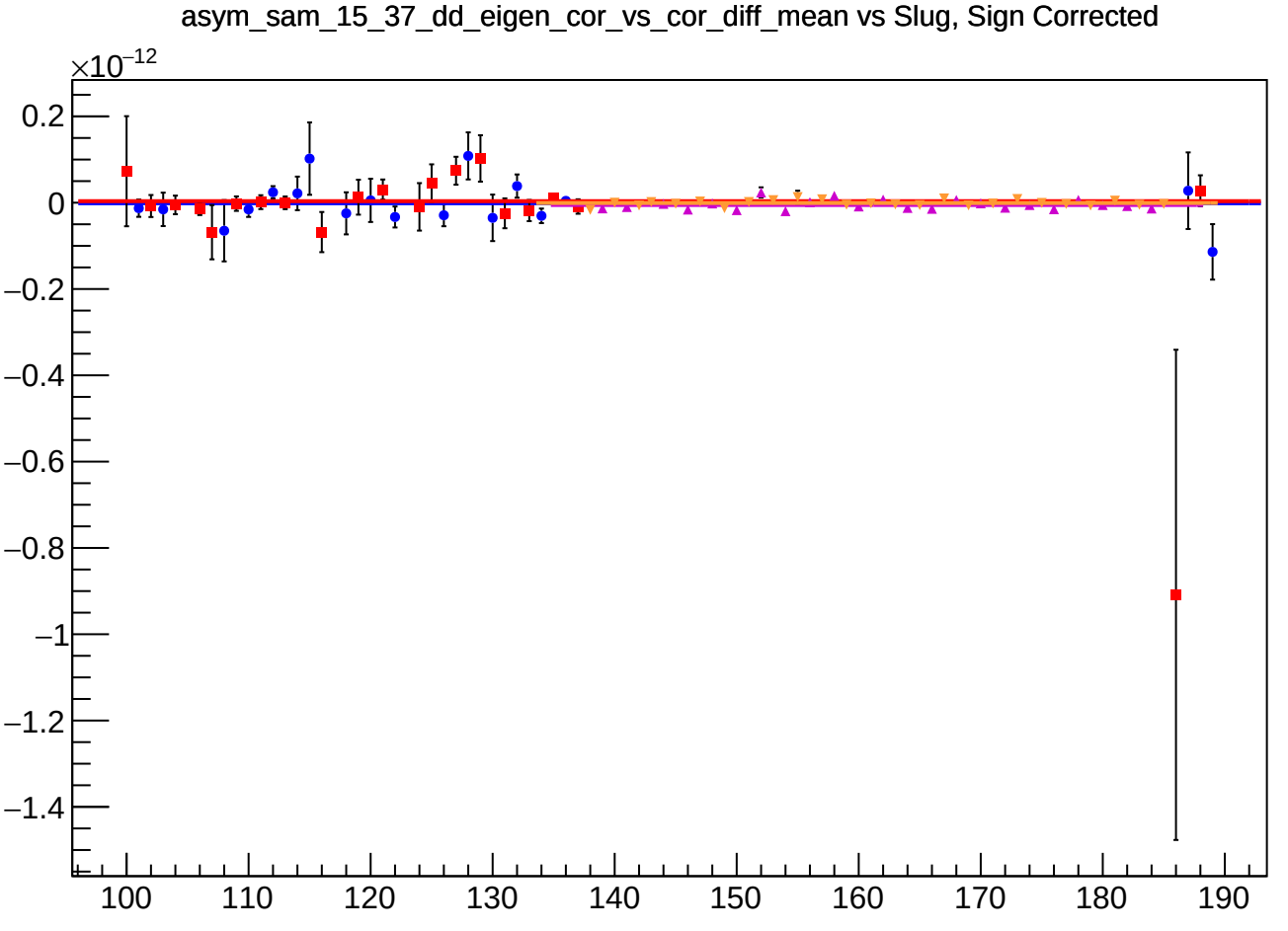
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 18.576+/-0.004 χ^2/NDF: 2953131.4/38

In: 16.347+/-0.002 χ^2/NDF:4910252.5/40

Out: 17.067+/-0.003 χ^2/NDF:6065872.4/45

All: 16.702+/-0.002 χ^2/NDF: 11017670.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/20

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

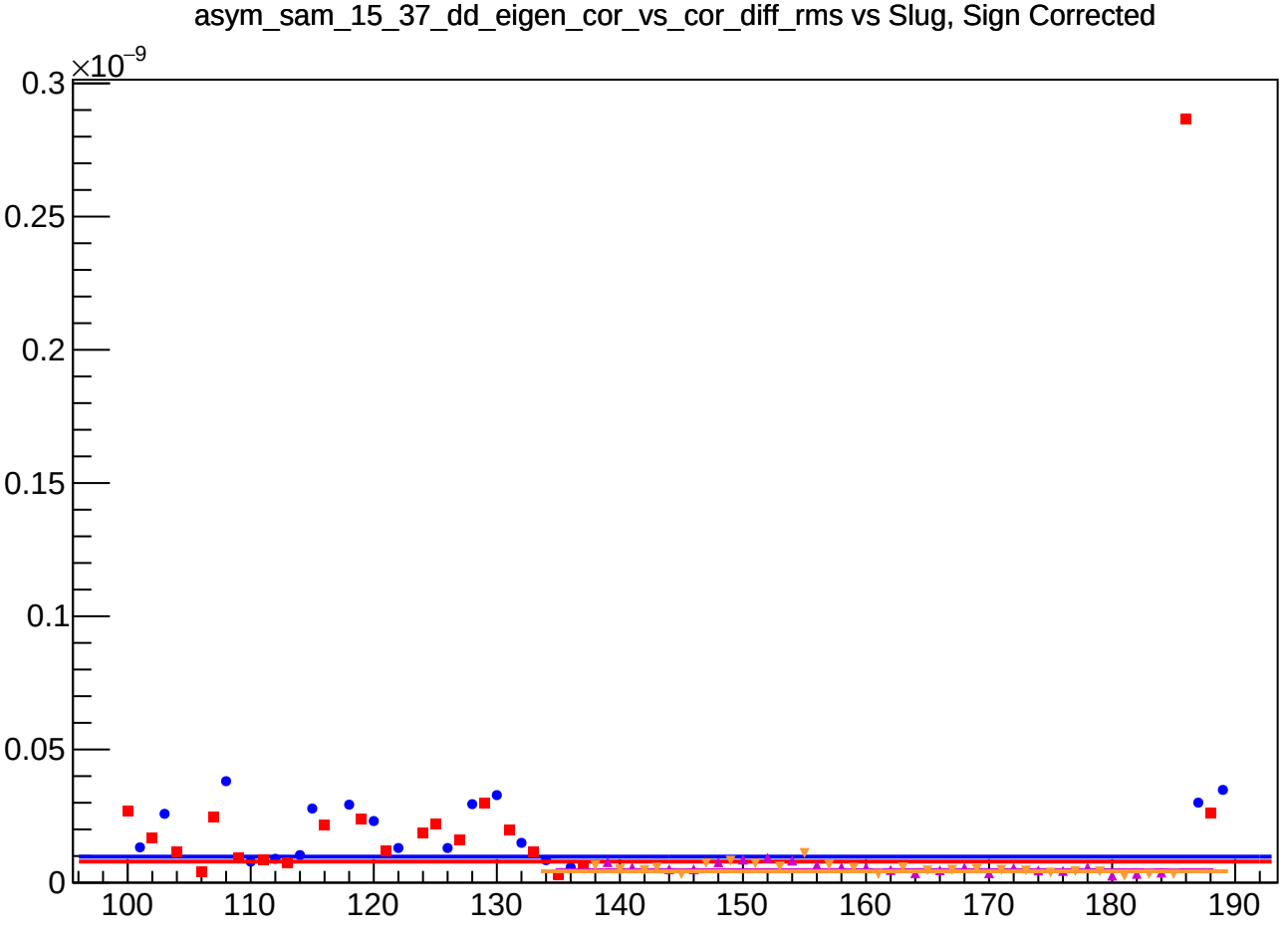
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 46.2/38

In: -0.000+/-0.000 χ^2/NDF:62.0/40

Out: -0.000+/-0.000 χ^2/NDF:42.2/45

All: -0.000+/-0.000 χ^2/NDF: 110.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 3044710.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4083740.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

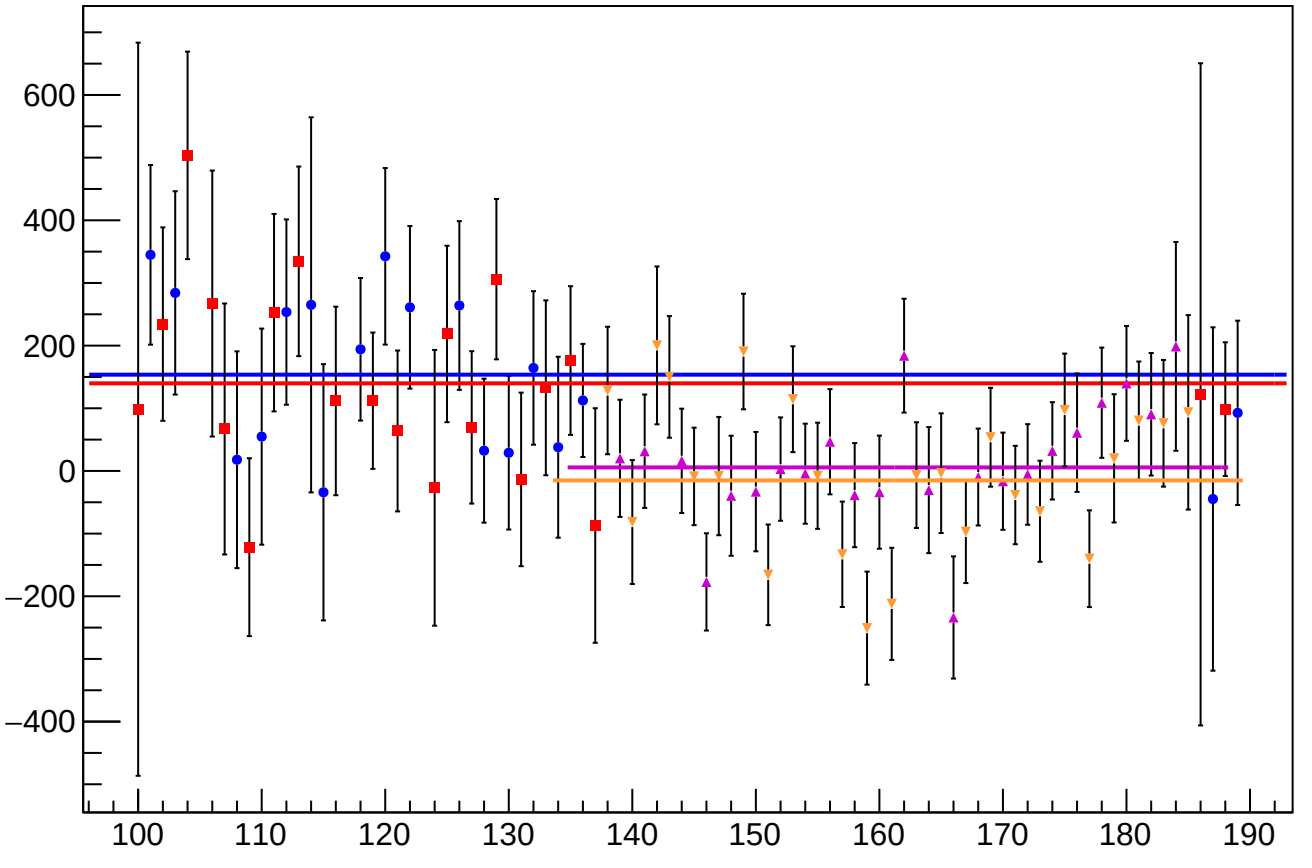
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7278546.5/38

In: 0.000+/-0.000 χ^2/NDF:7461814.2/40

Out: 0.000+/-0.000 χ^2/NDF:7904549.3/45

All: 0.000+/-0.000 χ^2/NDF: 15494317.1/86



Right In: 153.650+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 139.809+/-32.519 χ^2/NDF: 17.6/20

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

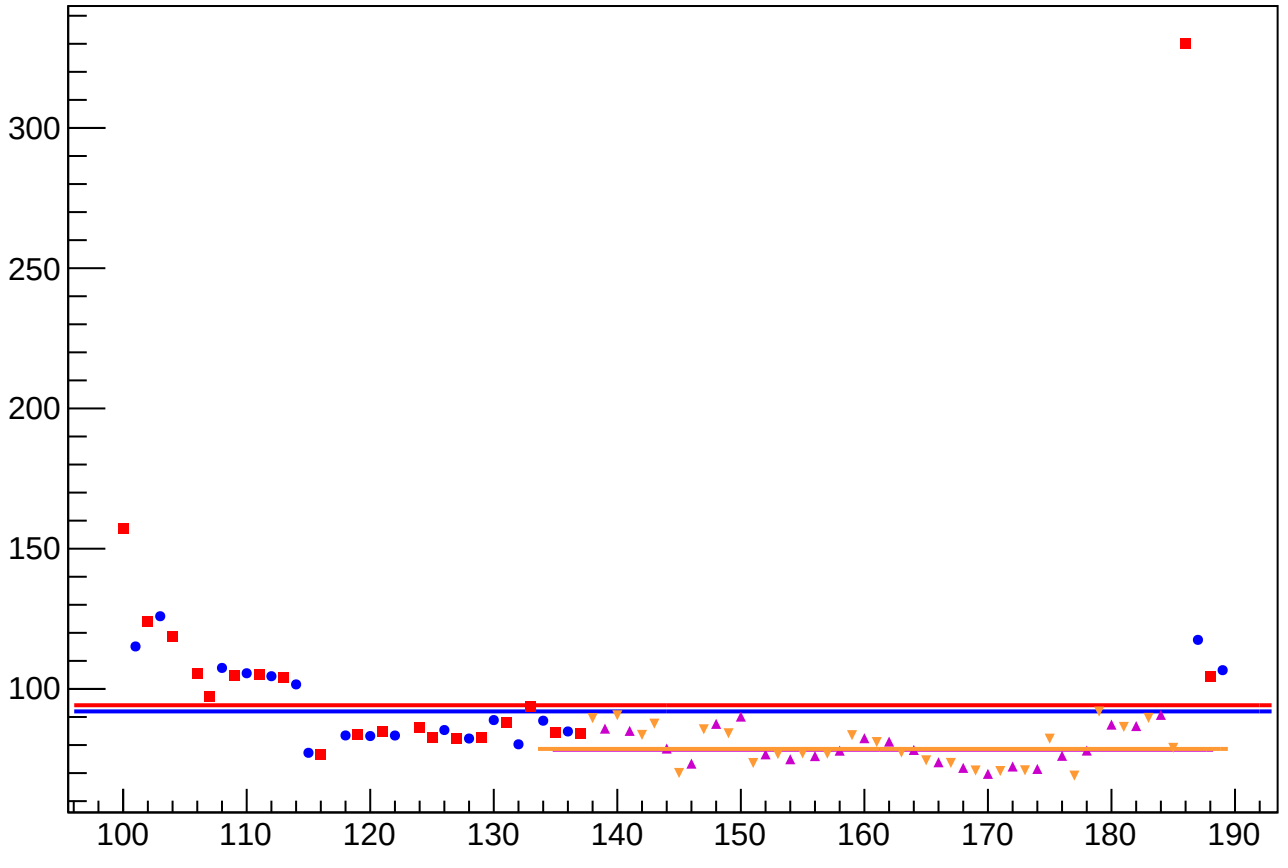
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 146.619+/-23.176 χ^2/NDF: 29.4/38

In: 40.615+/-16.063 χ^2/NDF:50.1/40

Out: 21.099+/-15.719 χ^2/NDF:76.6/45

All: 30.646+/-11.235 χ^2/NDF: 127.5/86



Right In: 91.992+/-0.023 χ^2/NDF: 312481.8/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.186+/-0.023 χ^2/NDF: 726180.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

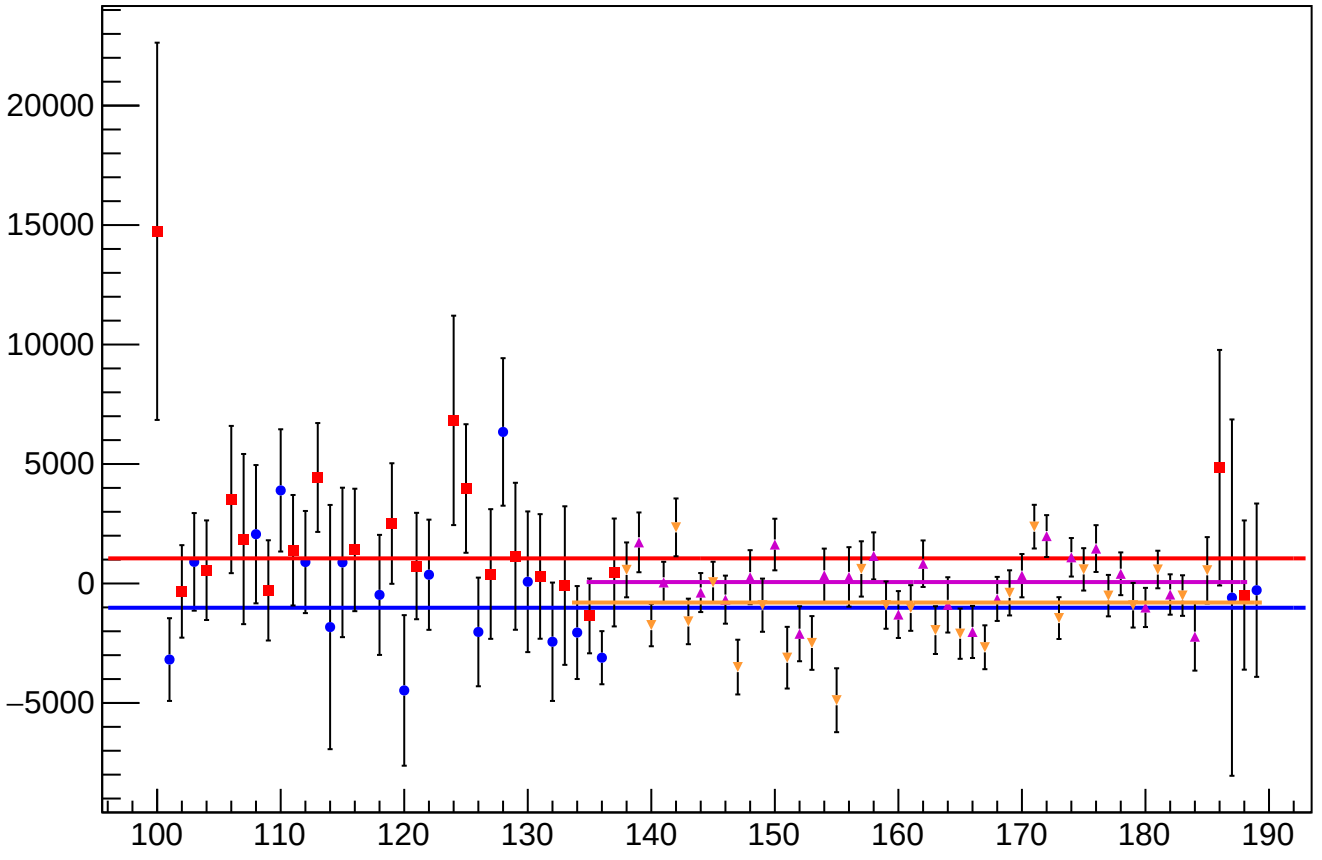
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 93.106+/-0.016 χ^2/NDF: 1043142.5/38

In: 81.562+/-0.011 χ^2/NDF:782578.7/40

Out: 82.256+/-0.011 χ^2/NDF:1384676.3/45

All: 81.917+/-0.008 χ^2/NDF: 2169160.3/86



Right In: -1015.803+/-542.542 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1051.115+/-556.146 χ^2/NDF: 13.7/20

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

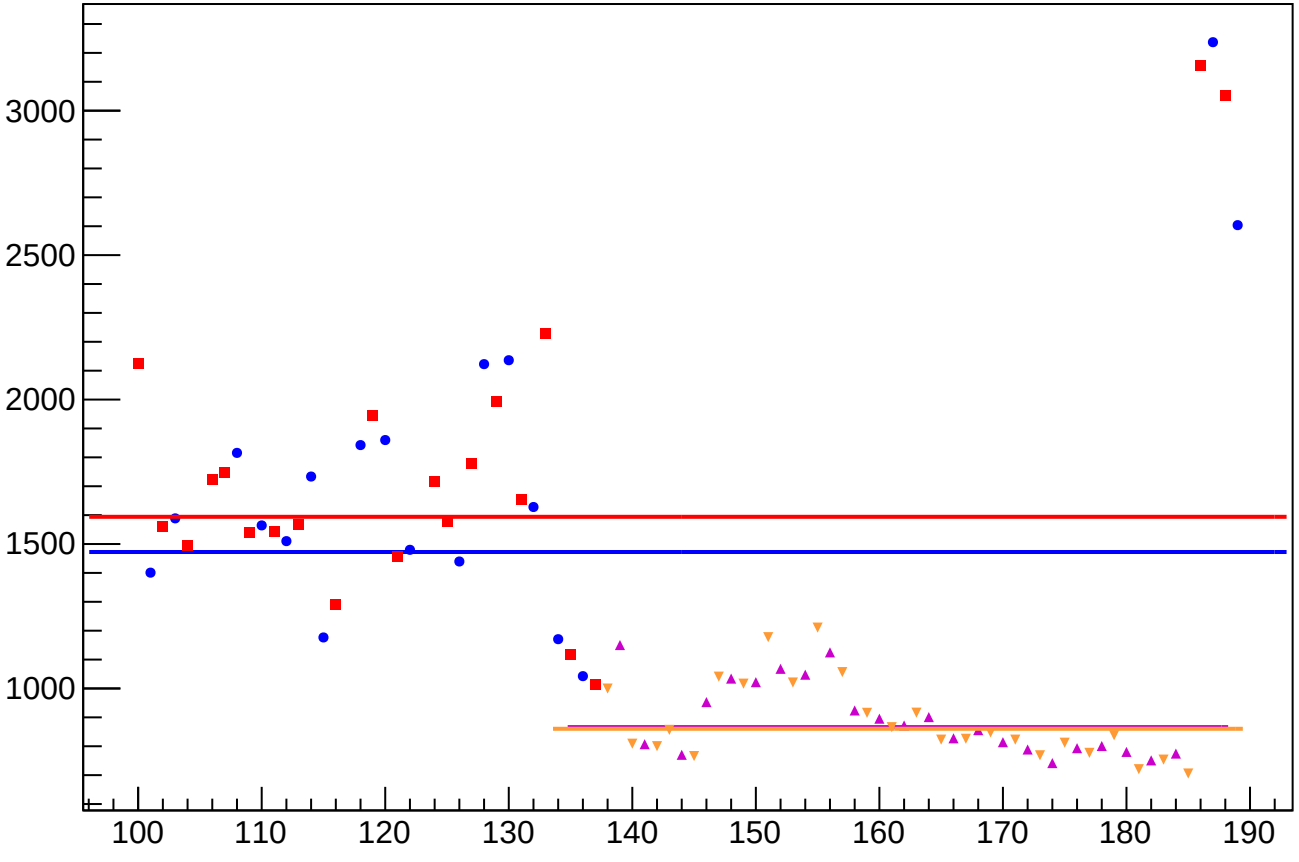
Right: -7.933+/-388.356 χ^2/NDF: 41.1/38

In: -74.202+/-191.306 χ^2/NDF:54.2/40

Out: -589.317+/-186.434 χ^2/NDF:83.0/45

All: -338.402+/-133.518 χ^2/NDF: 140.9/86

asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1472.376+/-0.384 χ^2/NDF: 990678.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1594.231+/-0.393 χ^2/NDF: 1172289.1/20

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

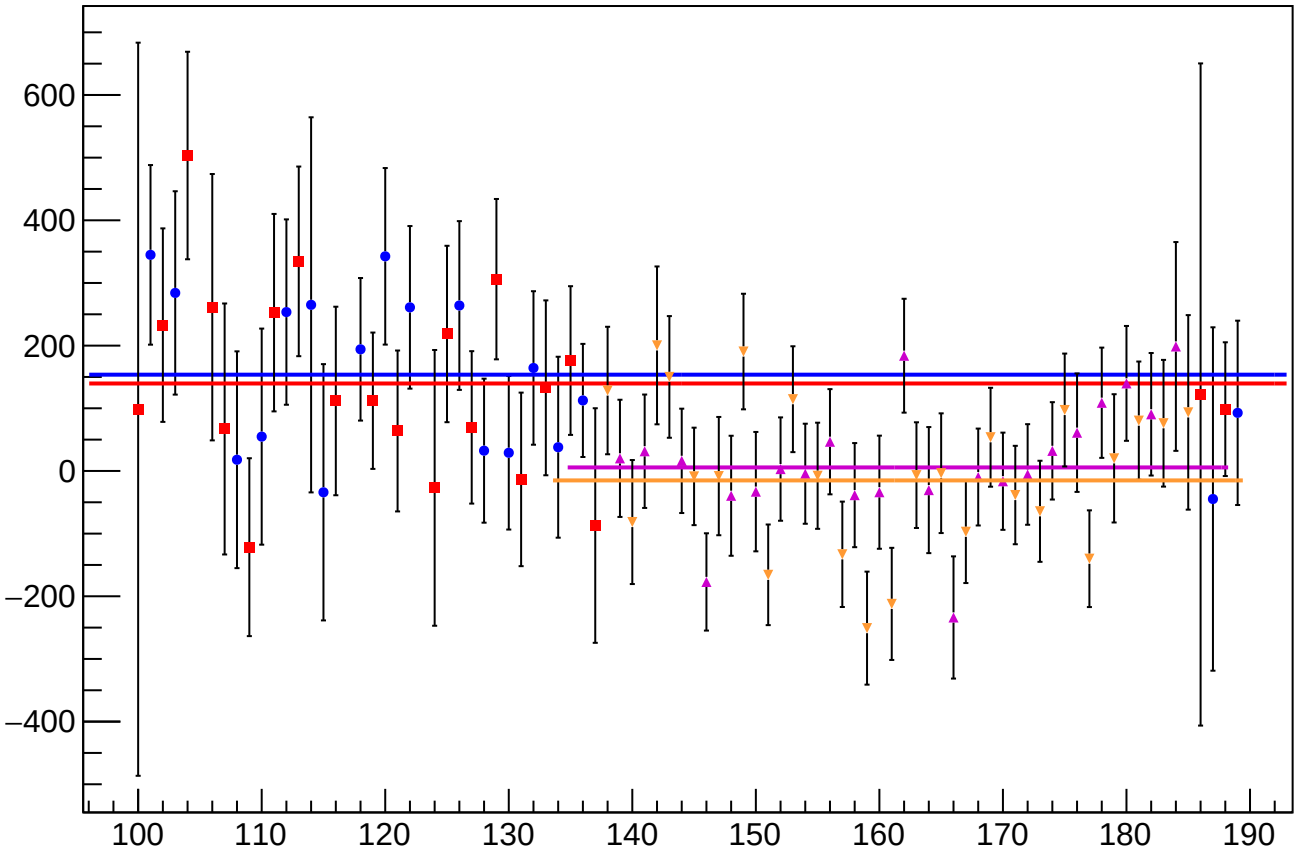
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1531.795+/-0.275 χ^2/NDF: 2212163.3/38

In: 941.701+/-0.135 χ^2/NDF:3789094.2/40

Out: 942.946+/-0.132 χ^2/NDF:4961582.5/45

All: 942.340+/-0.094 χ^2/NDF: 8750720.1/86



Right In: 153.647+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 139.578+/-32.520 χ^2/NDF: 17.5/20

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

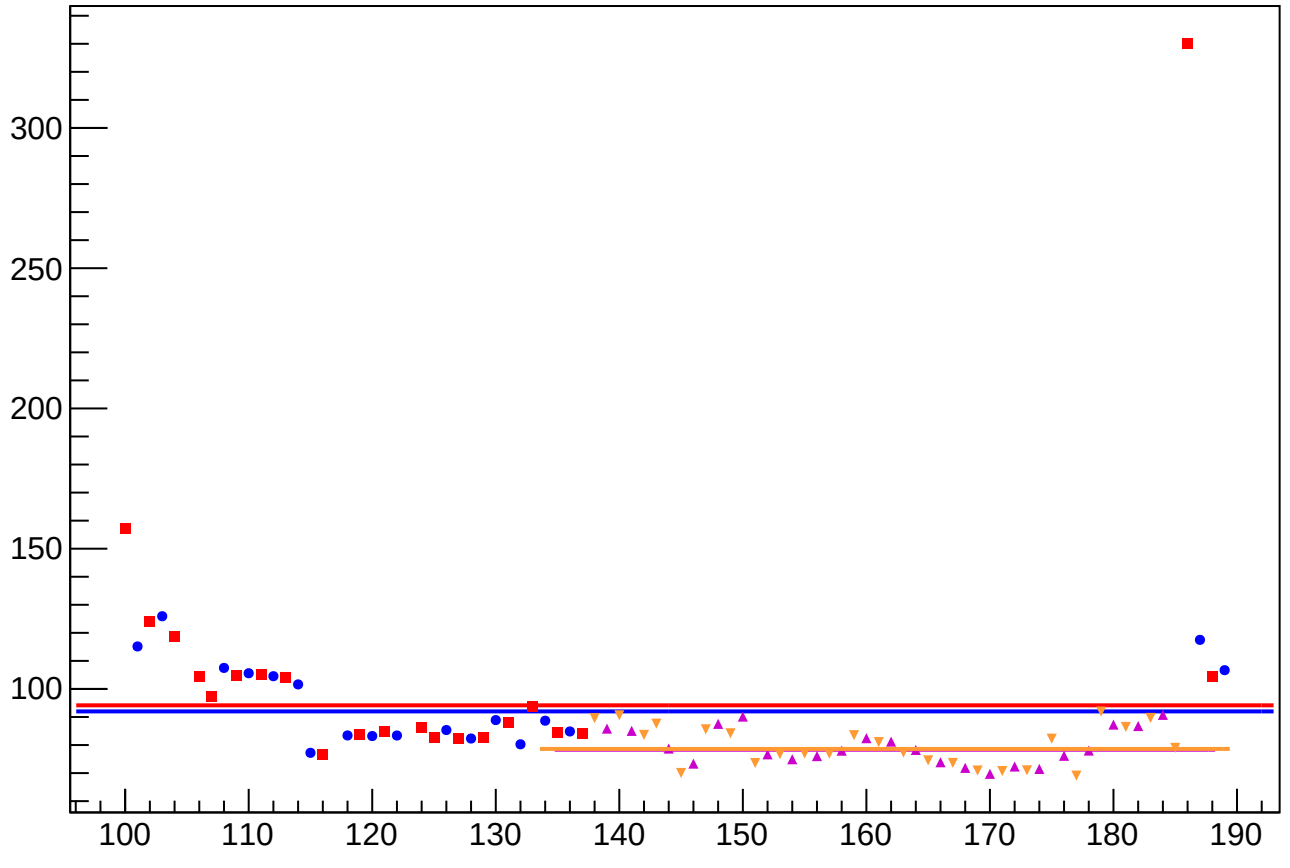
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 146.501+/-23.177 χ^2/NDF: 29.4/38

In: 40.611+/-16.063 χ^2/NDF:50.1/40

Out: 21.043+/-15.720 χ^2/NDF:76.5/45

All: 30.616+/-11.235 χ^2/NDF: 127.4/86



Right In: 91.992+/-0.023 χ^2/NDF: 312483.5/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.156+/-0.023 χ^2/NDF: 725146.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

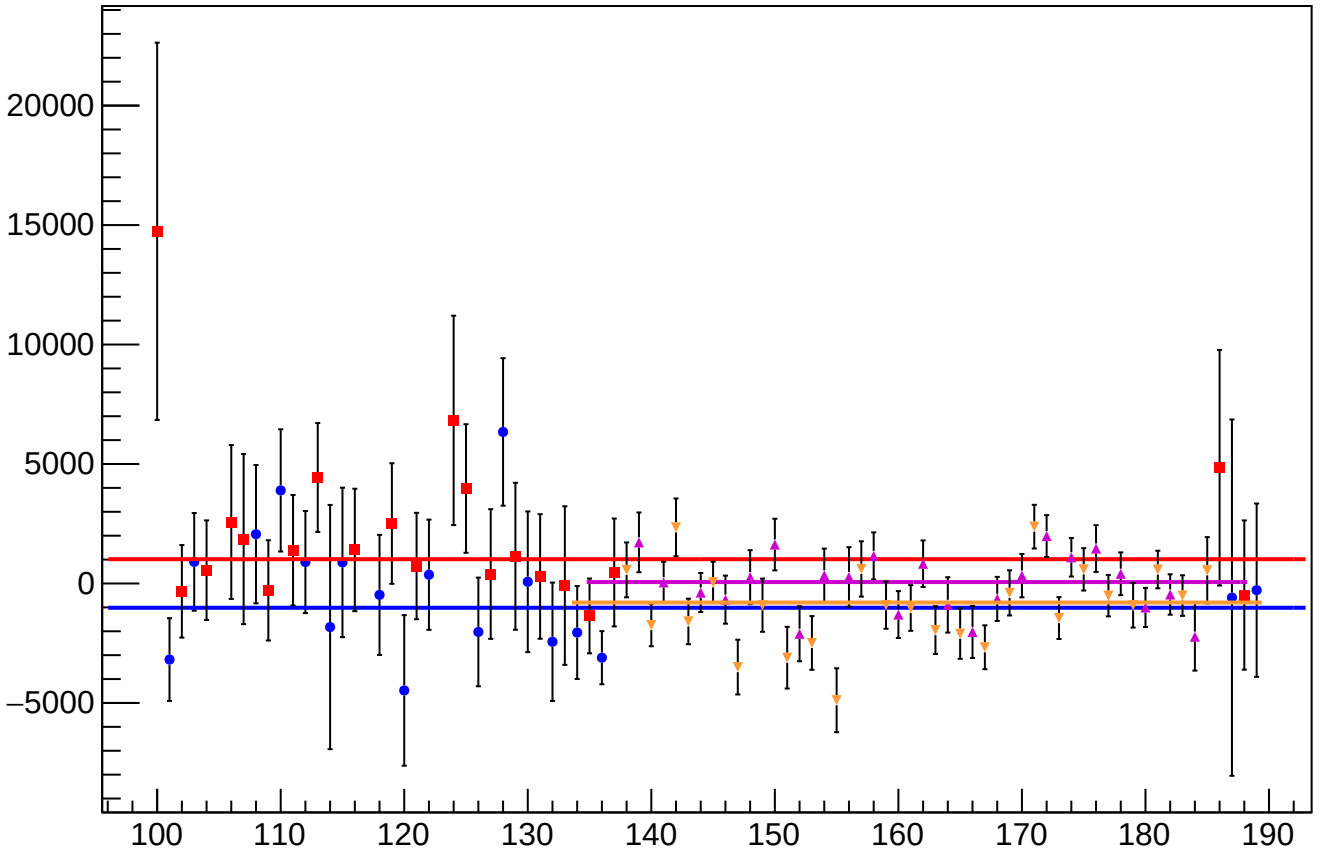
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 93.091+/-0.016 χ^2/NDF: 1041989.7/38

In: 81.562+/-0.011 χ^2/NDF:782580.7/40

Out: 82.249+/-0.011 χ^2/NDF:1382275.1/45

All: 81.913+/-0.008 χ^2/NDF: 2166721.5/86



Right In: -1015.780+/-542.543 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1016.593+/-556.929 χ^2/NDF: 13.3/20

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

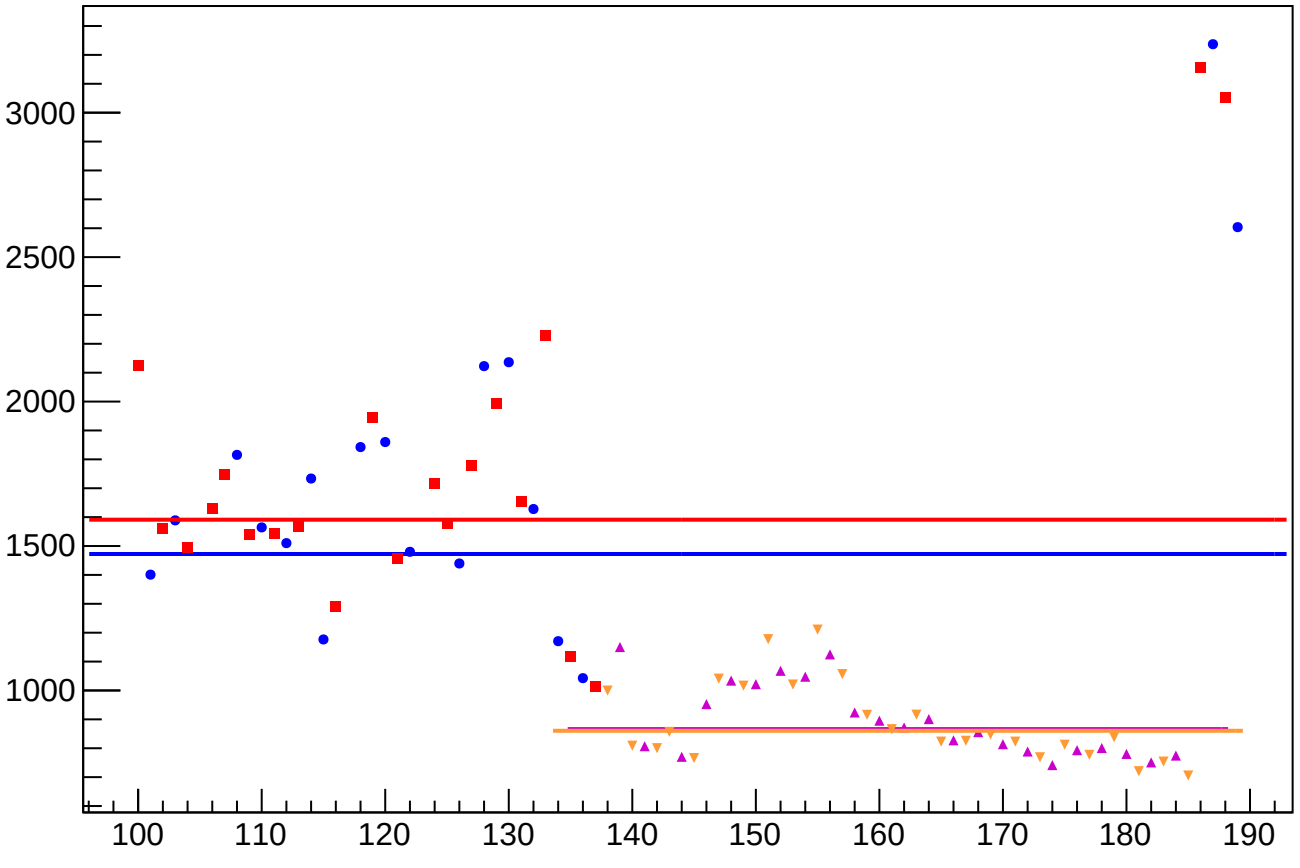
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -26.180+/-388.622 χ^2/NDF: 40.4/38

In: -74.198+/-191.306 χ^2/NDF:54.2/40

Out: -593.704+/-186.463 χ^2/NDF:82.2/45

All: -340.610+/-133.529 χ^2/NDF: 140.2/86



Right In: 1472.380+/-0.384 χ^2/NDF: 990685.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1591.121+/-0.394 χ^2/NDF: 1168964.7/20

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

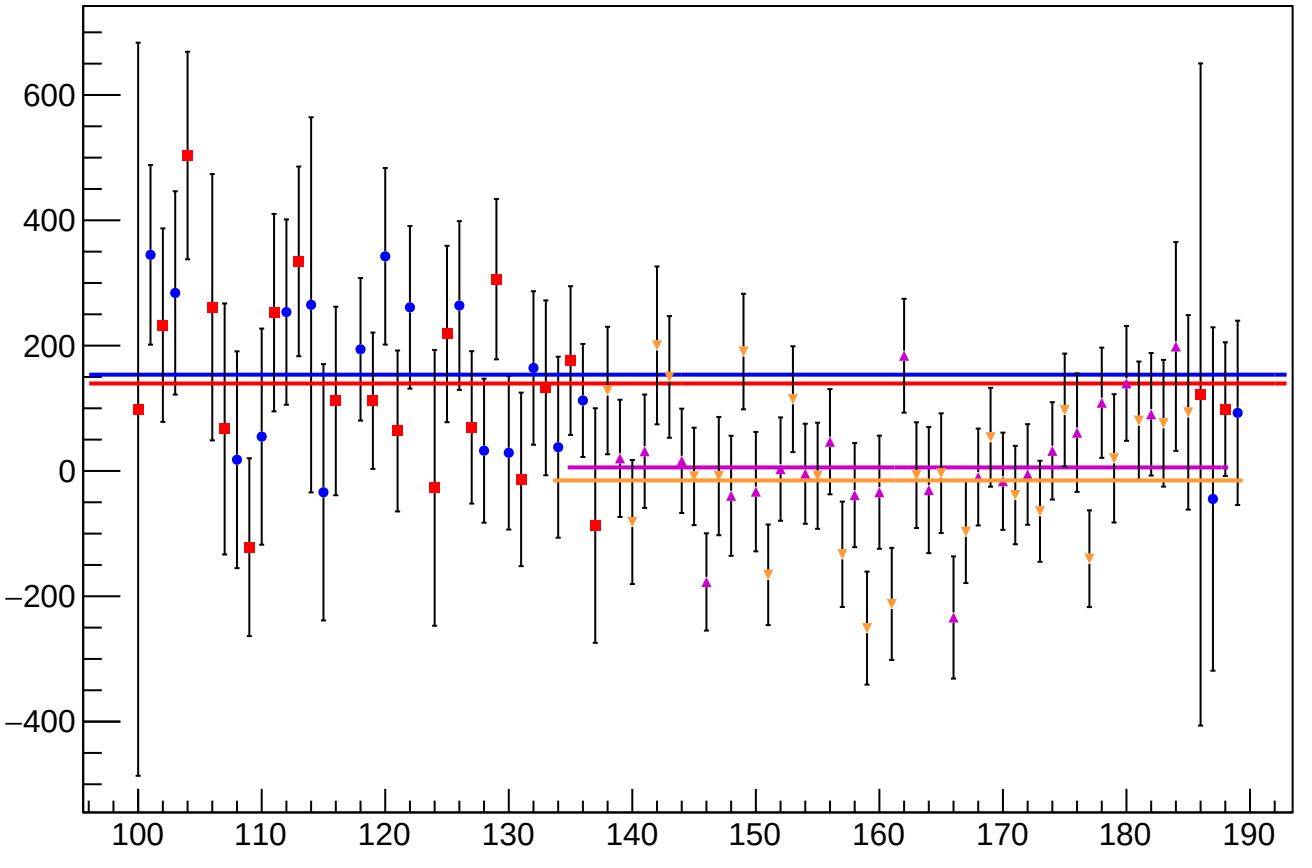
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1530.197+/-0.275 χ^2/NDF: 2206296.5/38

In: 941.701+/-0.135 χ^2/NDF:3789112.5/40

Out: 942.392+/-0.132 χ^2/NDF:4924478.3/45

All: 942.056+/-0.094 χ^2/NDF: 8713604.1/86



Right In: 153.647+/-33.041 χ^2/NDF: 11.8/17

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 139.578+/-32.520 χ^2/NDF: 17.5/20

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

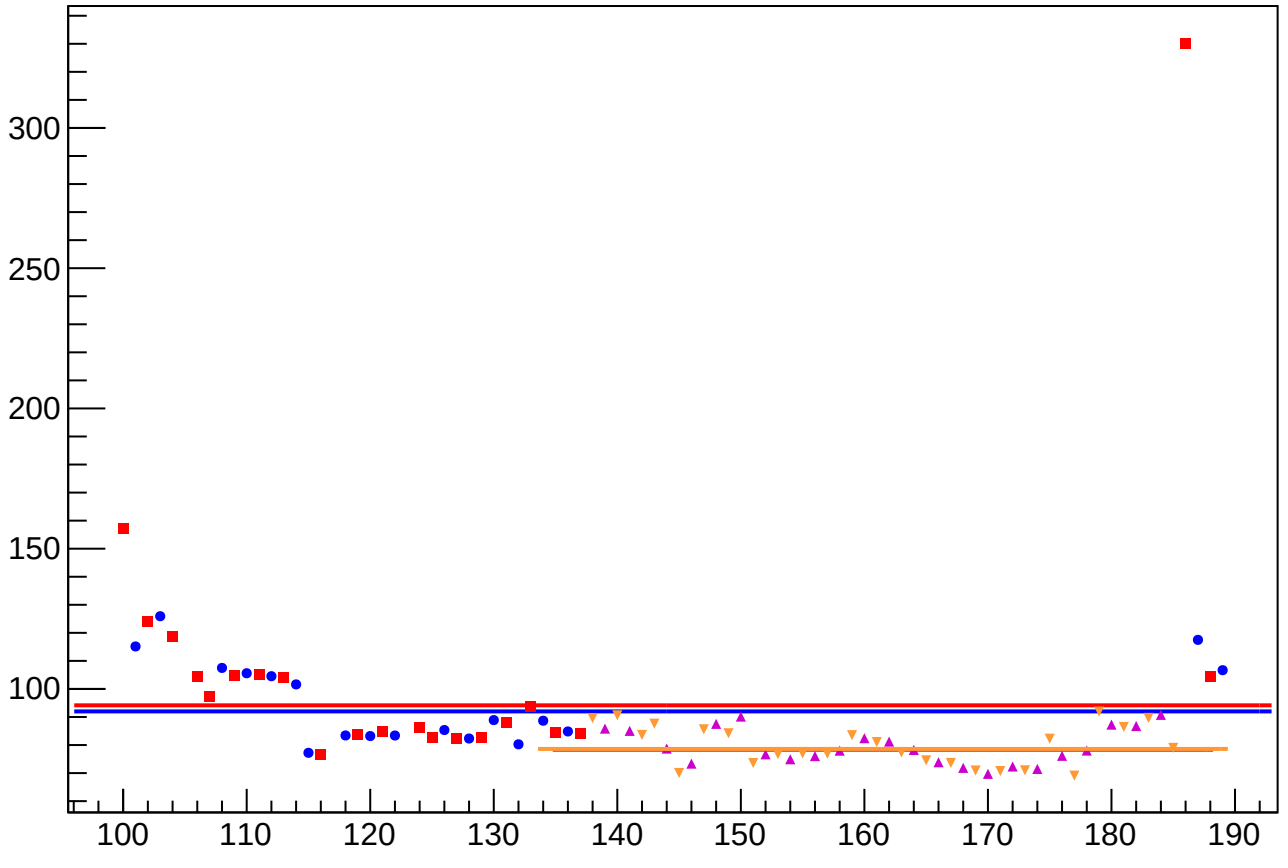
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 146.501+/-23.177 χ^2/NDF: 29.4/38

In: 40.611+/-16.063 χ^2/NDF:50.1/40

Out: 21.043+/-15.720 χ^2/NDF:76.5/45

All: 30.616+/-11.235 χ^2/NDF: 127.4/86



Right In: 91.992+/-0.023 χ^2/NDF: 312483.5/17

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.156+/-0.023 χ^2/NDF: 725146.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

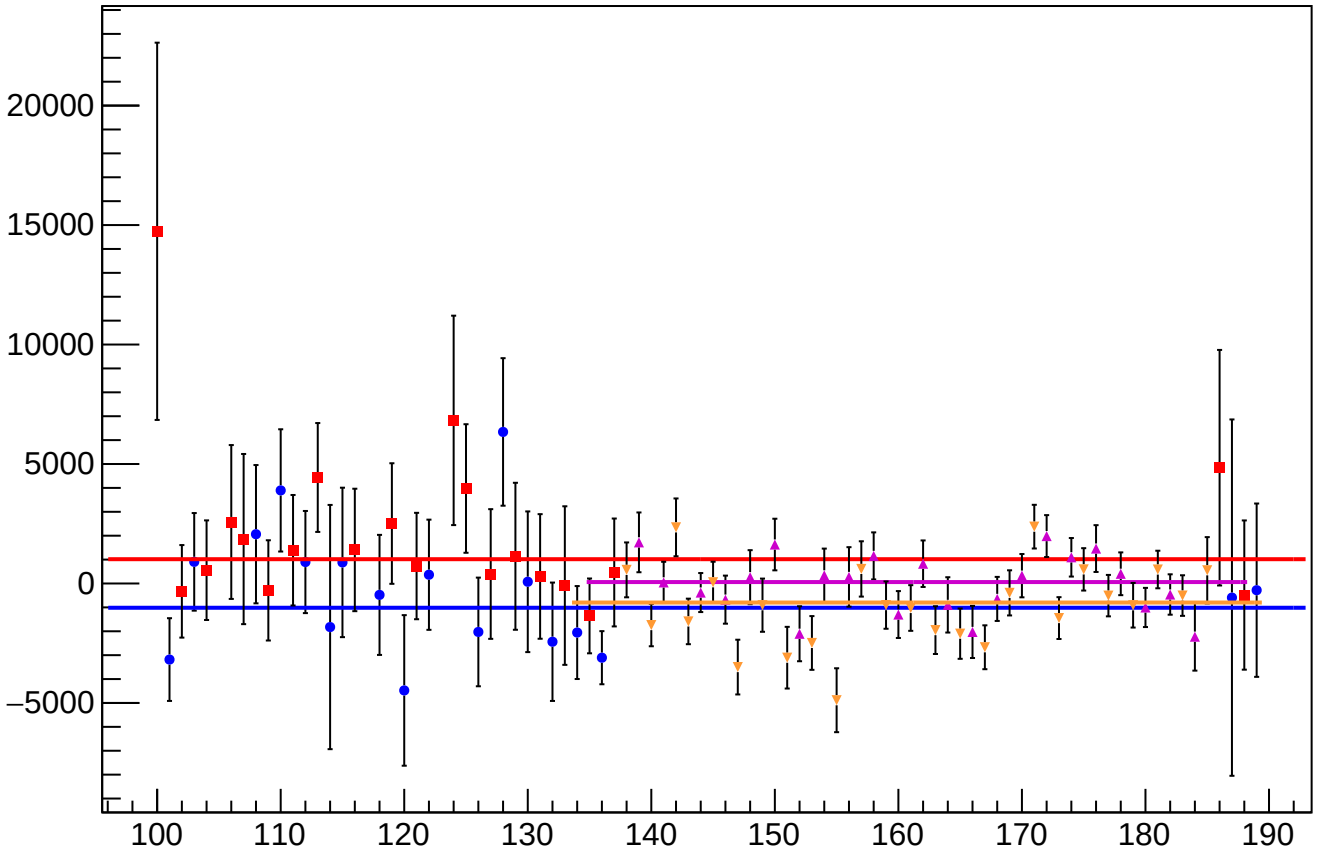
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 93.091+/-0.016 χ^2/NDF: 1041989.7/38

In: 81.562+/-0.011 χ^2/NDF:782580.7/40

Out: 82.249+/-0.011 χ^2/NDF:1382275.1/45

All: 81.913+/-0.008 χ^2/NDF: 2166721.5/86



Right In: -1015.780+/-542.543 χ^2/NDF: 20.3/17

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1016.593+/-556.929 χ^2/NDF: 13.3/20

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

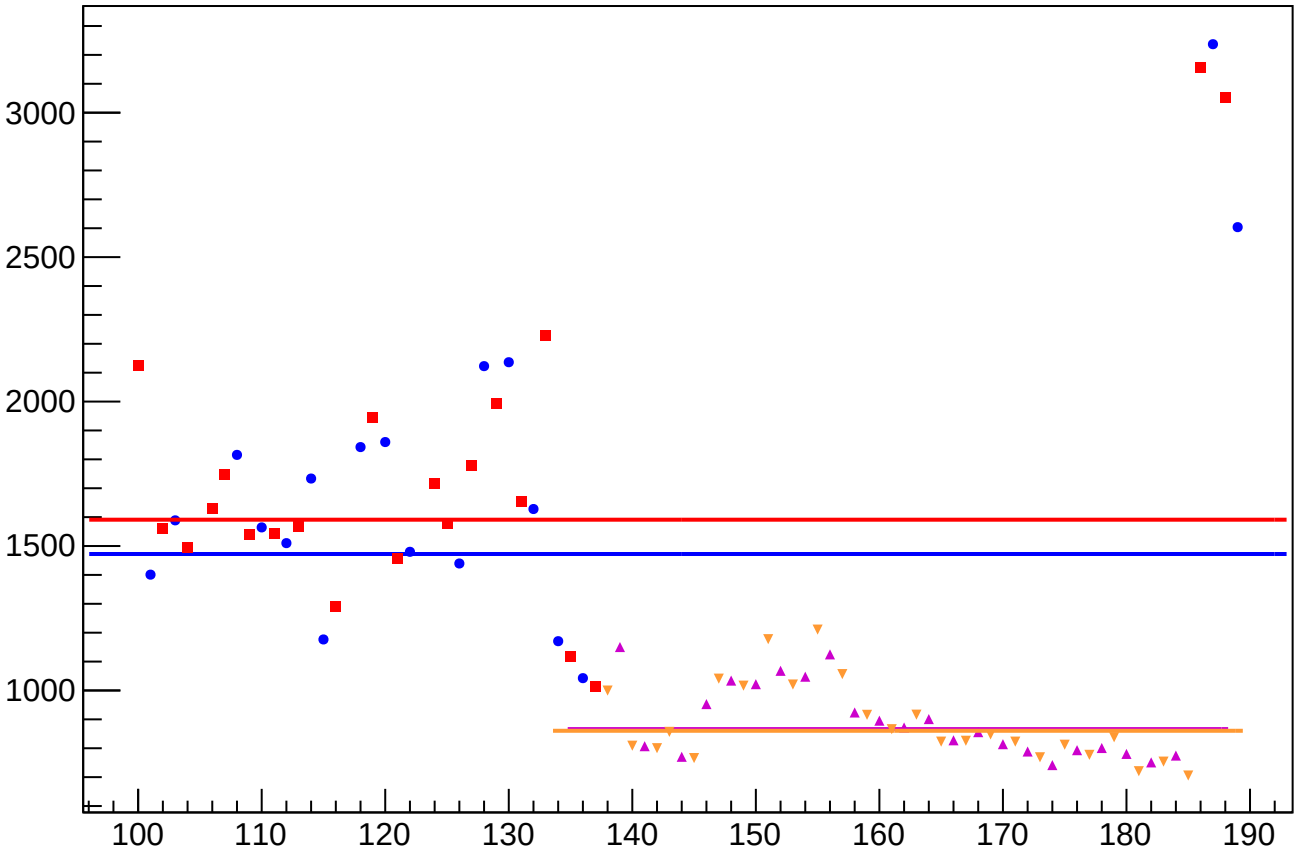
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -26.180+/-388.622 χ^2/NDF: 40.4/38

In: -74.198+/-191.306 χ^2/NDF:54.2/40

Out: -593.704+/-186.463 χ^2/NDF:82.2/45

All: -340.610+/-133.529 χ^2/NDF: 140.2/86



Right In: 1472.380+/-0.384 χ^2/NDF: 990685.3/17

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1591.121+/-0.394 χ^2/NDF: 1168964.7/20

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

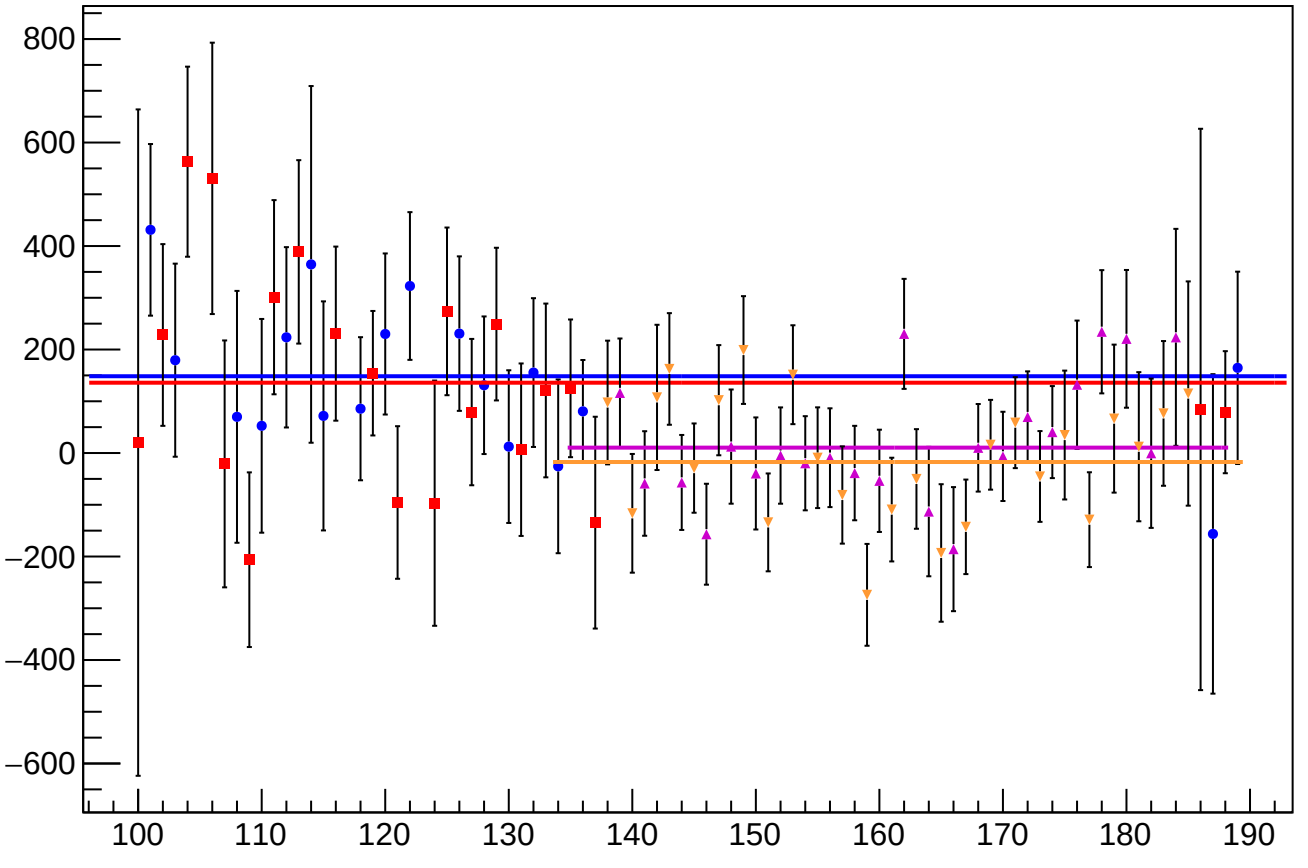
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1530.197+/-0.275 χ^2/NDF: 2206296.5/38

In: 941.701+/-0.135 χ^2/NDF:3789112.5/40

Out: 942.392+/-0.132 χ^2/NDF:4924478.3/45

All: 942.056+/-0.094 χ^2/NDF: 8713604.1/86



Right In: 148.382+/-38.289 χ^2/NDF: 9.6/17

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 135.885+/-37.231 χ^2/NDF: 23.2/20

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

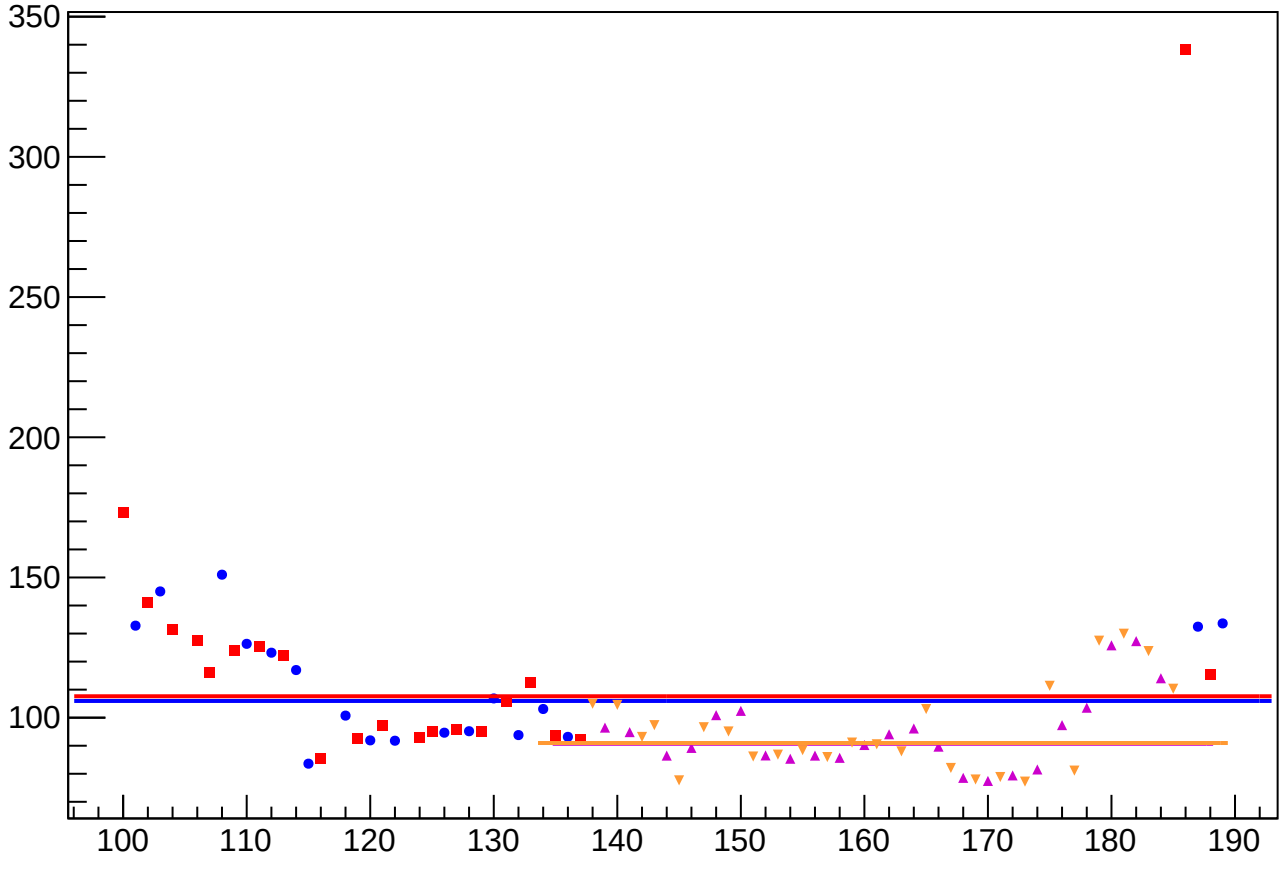
Right: 141.959+/-26.693 χ^2/NDF: 32.9/38

In: 43.494+/-18.749 χ^2/NDF:42.1/40

Out: 19.594+/-18.282 χ^2/NDF:67.2/45

All: 31.243+/-13.089 χ^2/NDF: 110.2/86

dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 105.964+/-0.027 χ^2/NDF: 440939.6/17

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 107.636+/-0.026 χ^2/NDF: 720039.3/20

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

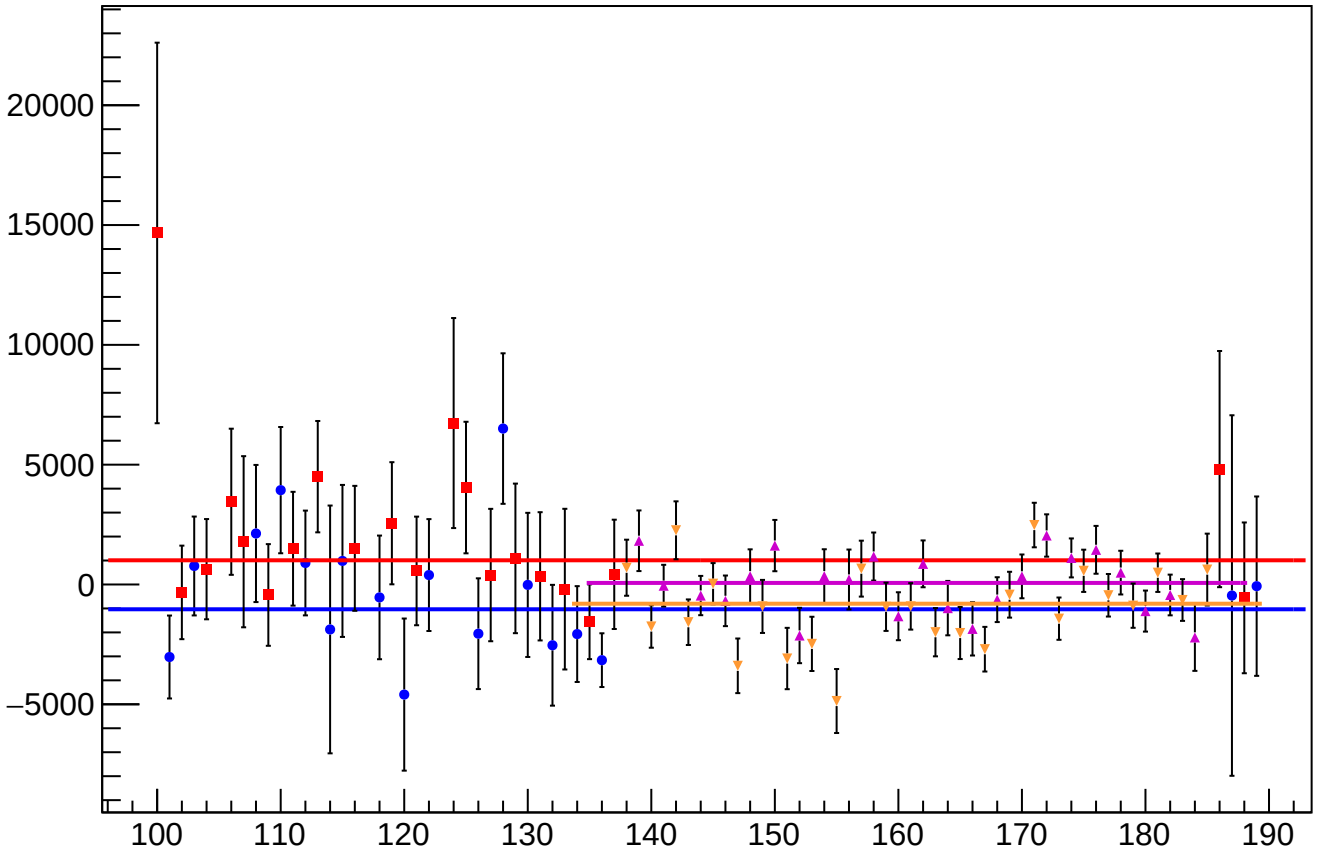
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 106.824+/-0.019 χ^2/NDF: 1162937.9/38

In: 94.352+/-0.013 χ^2/NDF:1228875.4/40

Out: 94.986+/-0.013 χ^2/NDF:1808793.6/45

All: 94.677+/-0.009 χ^2/NDF: 3038840.1/86



Right In: -1034.794+/-550.080 χ^2/NDF: 20.1/17

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1009.367+/-562.035 χ^2/NDF: 14.1/20

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

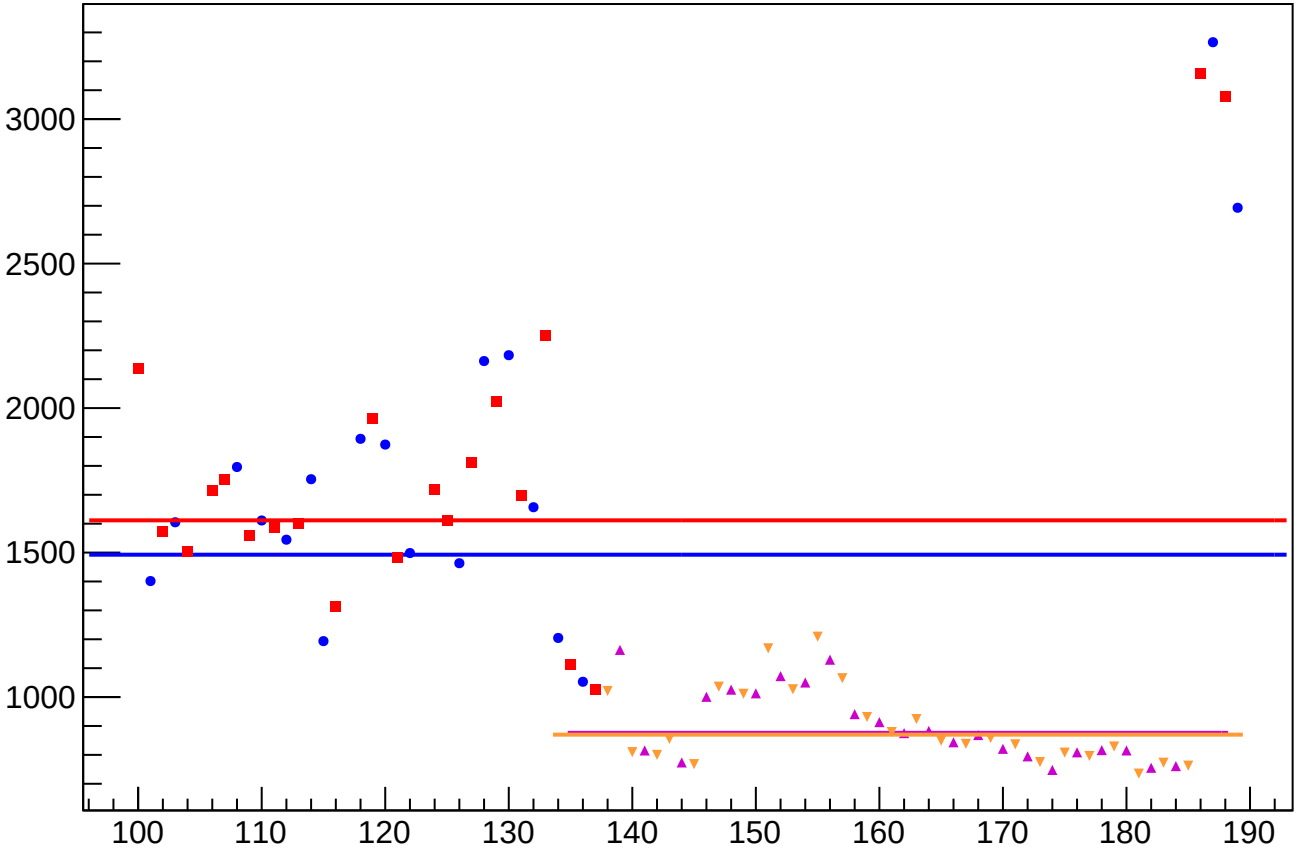
Right: -34.685+/-393.124 χ^2/NDF: 41.0/38

In: -70.858+/-193.472 χ^2/NDF:54.3/40

Out: -599.150+/-188.301 χ^2/NDF:81.7/45

All: -342.159+/-134.940 χ^2/NDF: 139.8/86

asym_sam_24_68_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1492.697+/-0.389 χ^2/NDF: 1010231.6/17

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1611.558+/-0.397 χ^2/NDF: 1180024.4/20

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

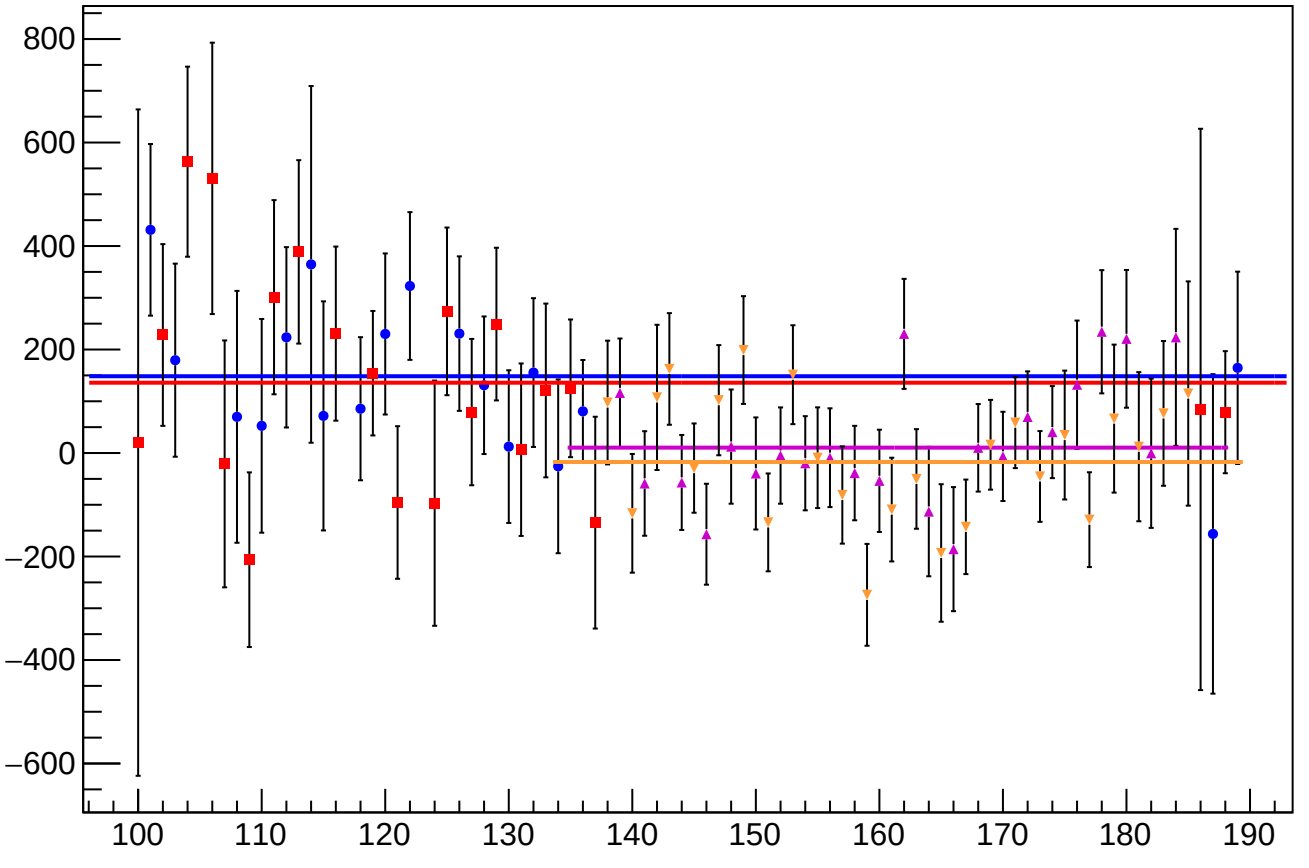
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1550.850+/-0.278 χ^2/NDF: 2235943.0/38

In: 952.527+/-0.137 χ^2/NDF:3808264.7/40

Out: 953.246+/-0.133 χ^2/NDF:4918127.3/45

All: 952.896+/-0.095 χ^2/NDF: 8726406.2/86



Right In: 148.384+/-38.289 χ^2/NDF: 9.6/17

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 135.884+/-37.231 χ^2/NDF: 23.2/20

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

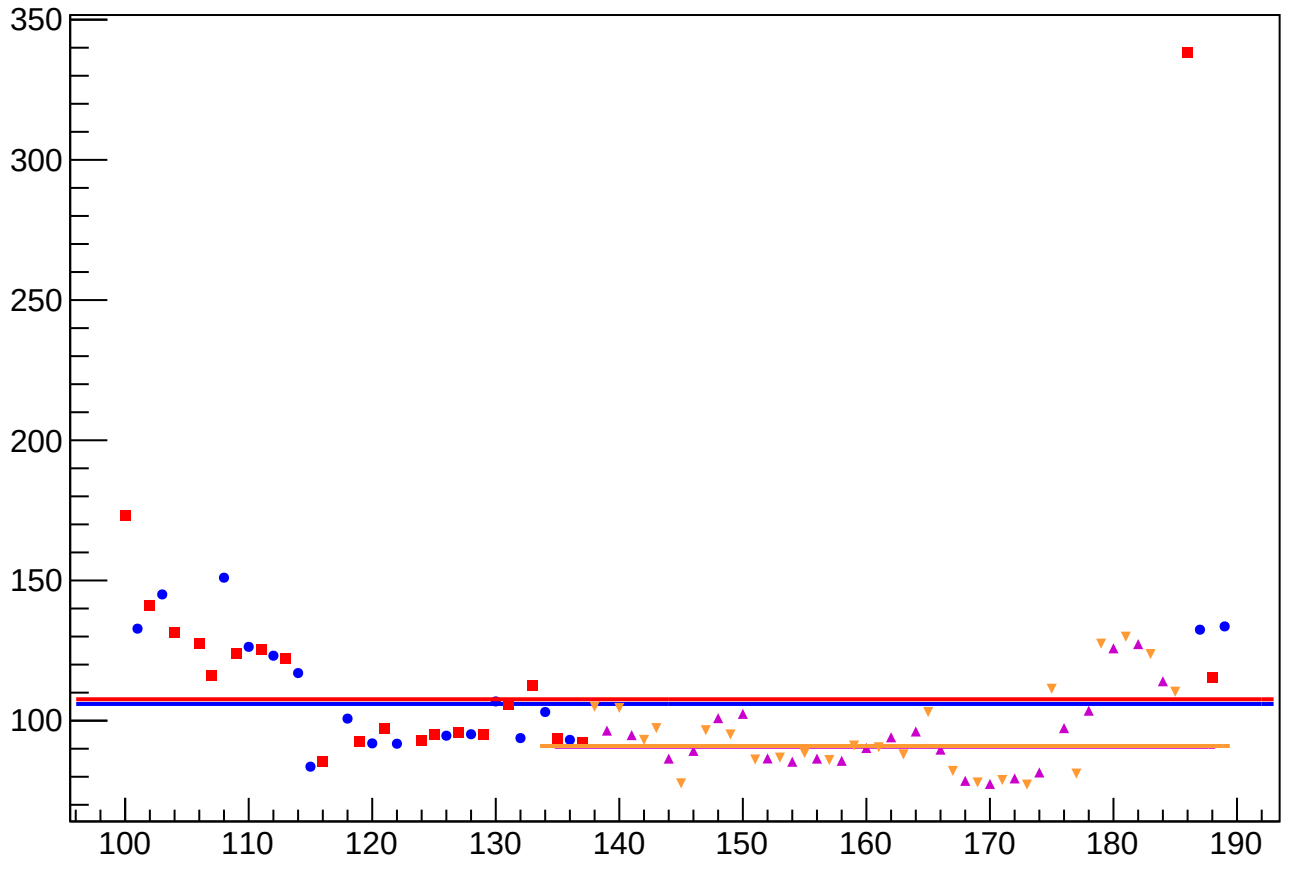
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 141.959+/-26.692 χ^2/NDF: 32.9/38

In: 43.495+/-18.749 χ^2/NDF:42.1/40

Out: 19.594+/-18.282 χ^2/NDF:67.2/45

All: 31.243+/-13.089 χ^2/NDF: 110.2/86



Right In: 105.963+/-0.027 χ^2/NDF: 440943.5/17

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 107.635+/-0.026 χ^2/NDF: 720042.4/20

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

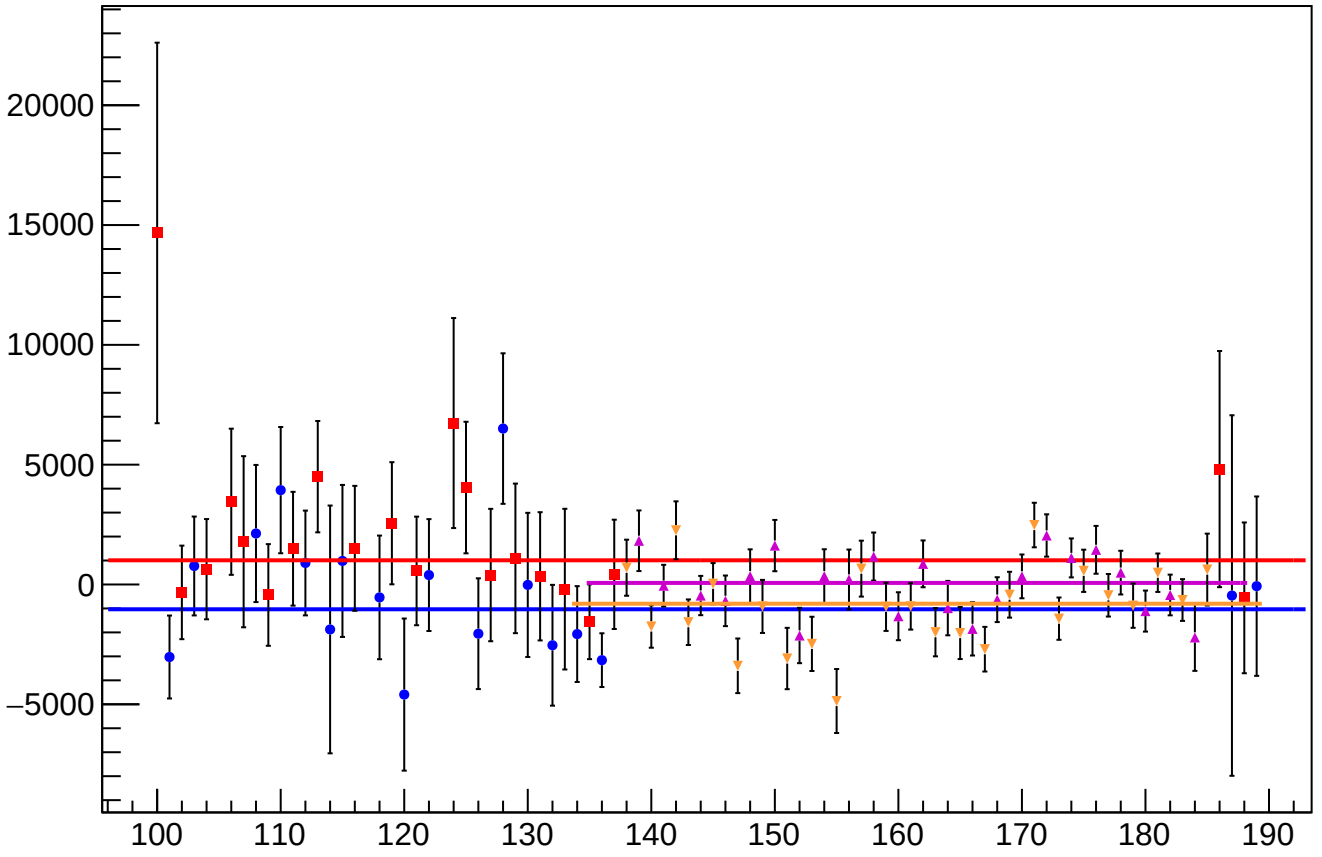
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 106.823+/-0.019 χ^2/NDF: 1162945.7/38

In: 94.352+/-0.013 χ^2/NDF:1228843.3/40

Out: 94.986+/-0.013 χ^2/NDF:1808777.3/45

All: 94.677+/-0.009 χ^2/NDF: 3038792.3/86



Right In: -1034.790+/-550.079 χ^2/NDF: 20.1/17

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1009.367+/-562.034 χ^2/NDF: 14.1/20

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

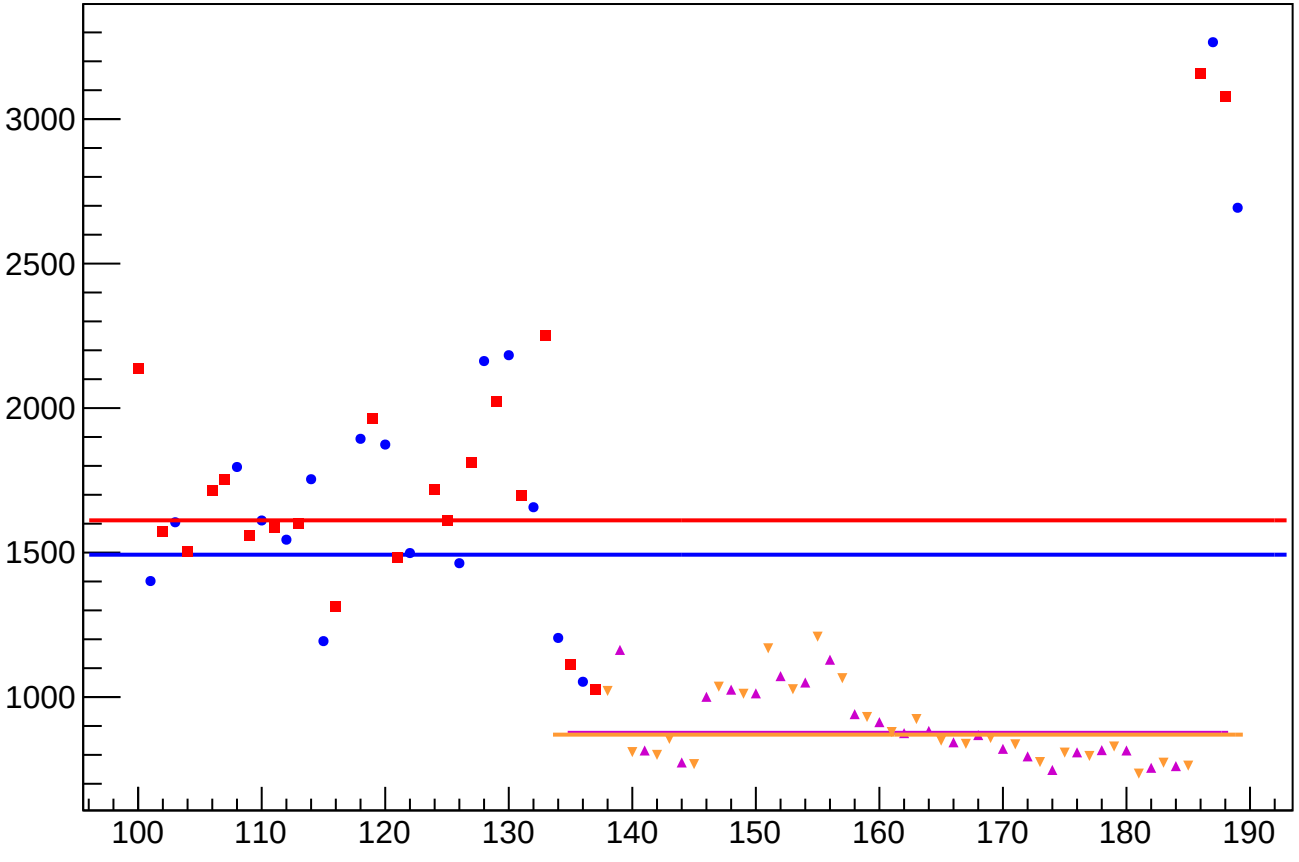
Right: -34.683+/-393.123 χ^2/NDF: 41.0/38

In: -70.858+/-193.472 χ^2/NDF:54.3/40

Out: -599.150+/-188.301 χ^2/NDF:81.7/45

All: -342.158+/-134.940 χ^2/NDF: 139.8/86

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1492.694+/-0.389 χ^2/NDF: 1010229.2/17

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1611.555+/-0.397 χ^2/NDF: 1180025.9/20

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

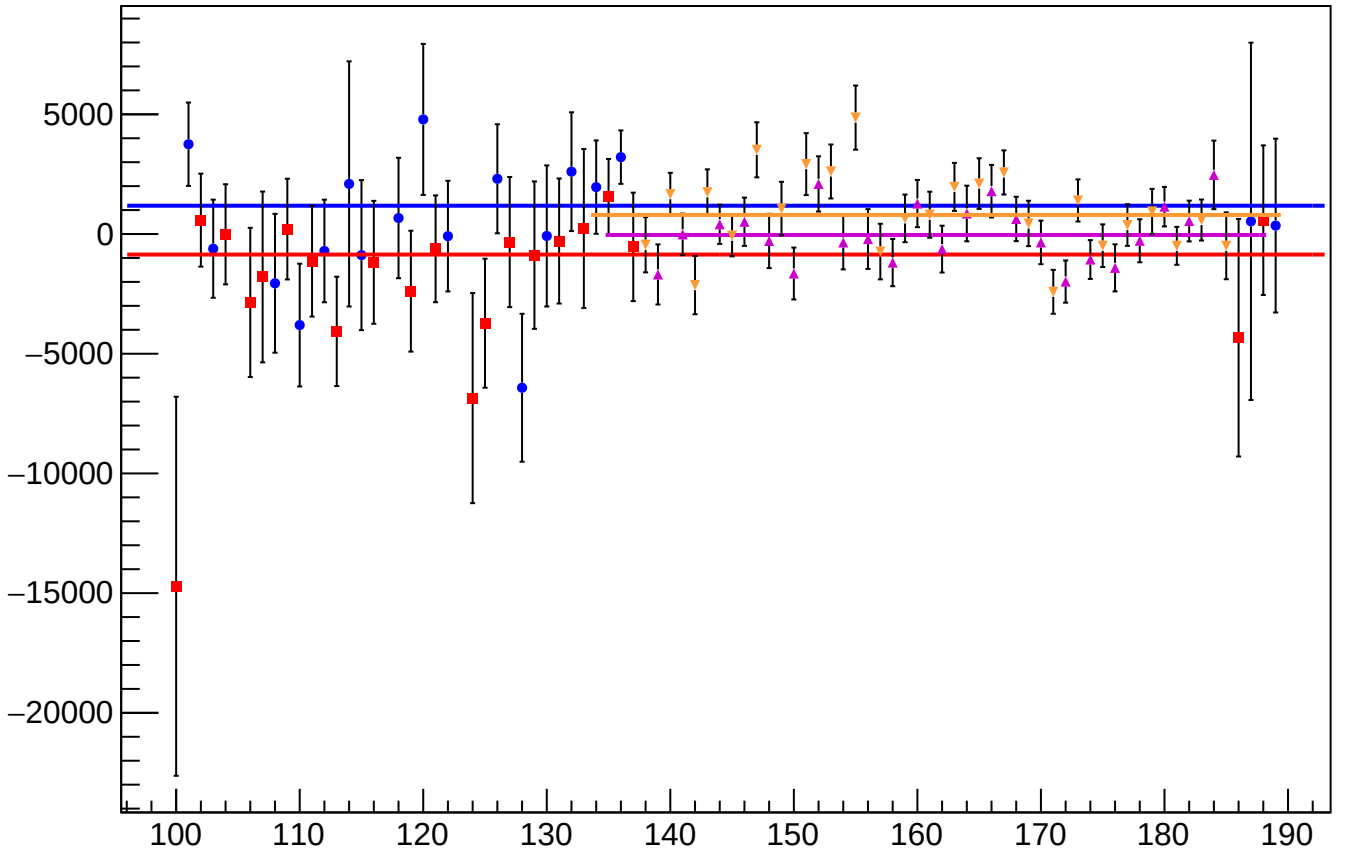
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1550.847+/-0.278 χ^2/NDF: 2235941.8/38

In: 952.526+/-0.137 χ^2/NDF:3808257.3/40

Out: 953.245+/-0.133 χ^2/NDF:4918121.6/45

All: 952.895+/-0.095 χ^2/NDF: 8726393.1/86



Right In: 1181.964+/-544.014 χ^2/NDF: 21.2/17

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -857.360+/-557.564 χ^2/NDF: 13.2/20

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

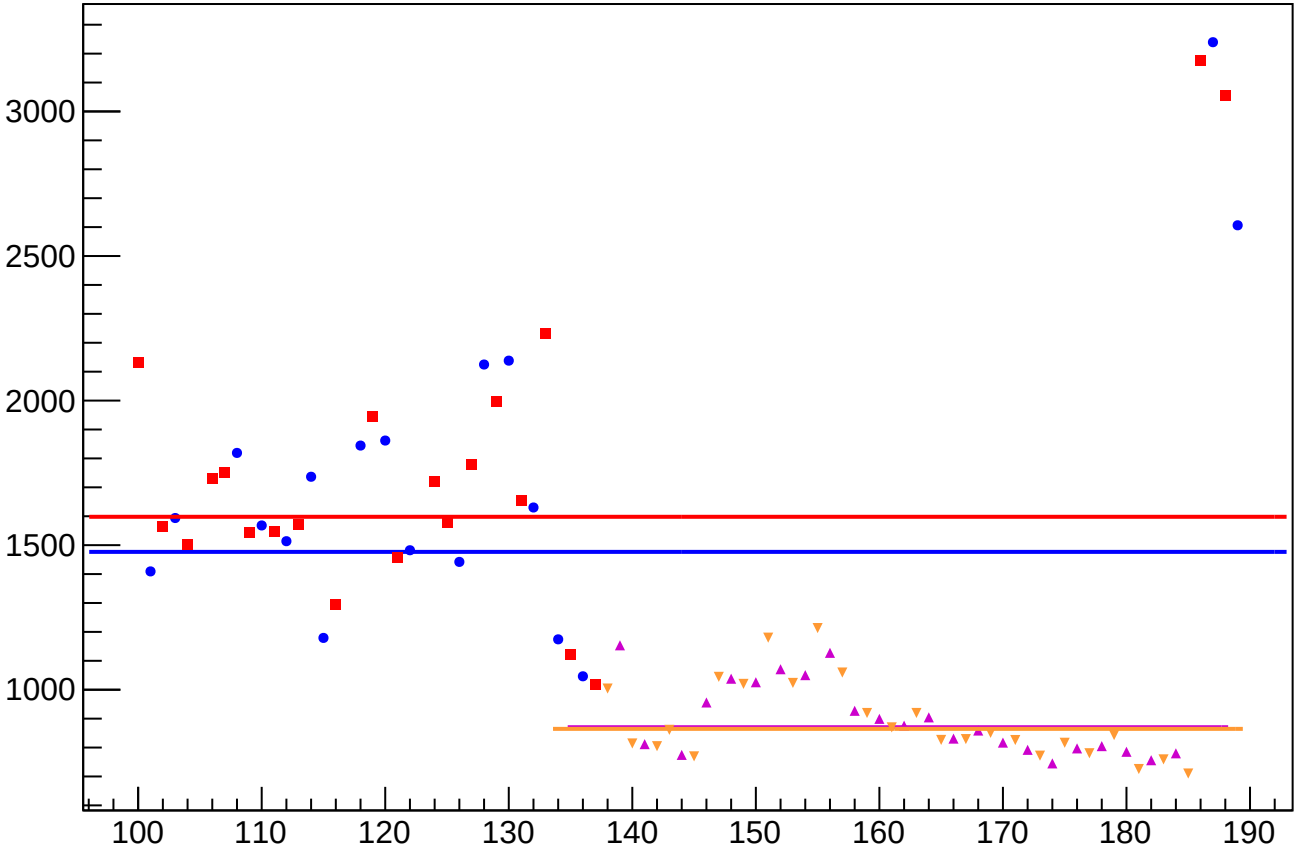
Right: 187.382+/-389.378 χ^2/NDF: 41.3/38

In: 112.619+/-192.118 χ^2/NDF:55.3/40

Out: 609.769+/-187.255 χ^2/NDF:78.2/45

All: 367.565+/-134.096 χ^2/NDF: 137.0/86

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1476.748+/-0.385 χ^2/NDF: 984266.1/17

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1598.105+/-0.394 χ^2/NDF: 1169356.9/20

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

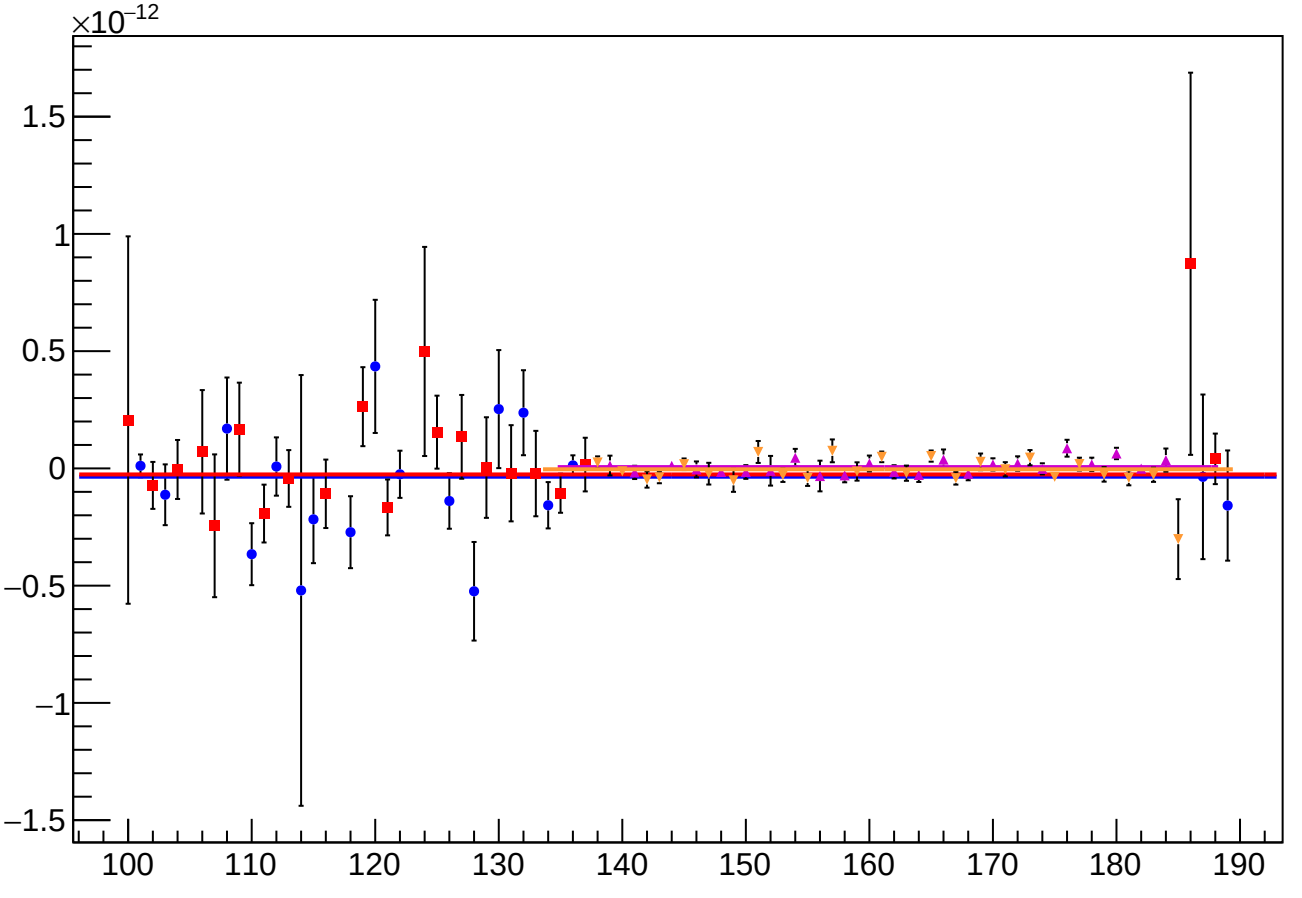
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1535.934+/-0.275 χ^2/NDF: 2202162.4/38

In: 945.973+/-0.136 χ^2/NDF:3763893.7/40

Out: 947.366+/-0.132 χ^2/NDF:4928951.0/45

All: 946.687+/-0.095 χ^2/NDF: 8692898.6/86



Right In: -0.000+/-0.000 χ^2/NDF: 27.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/20

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

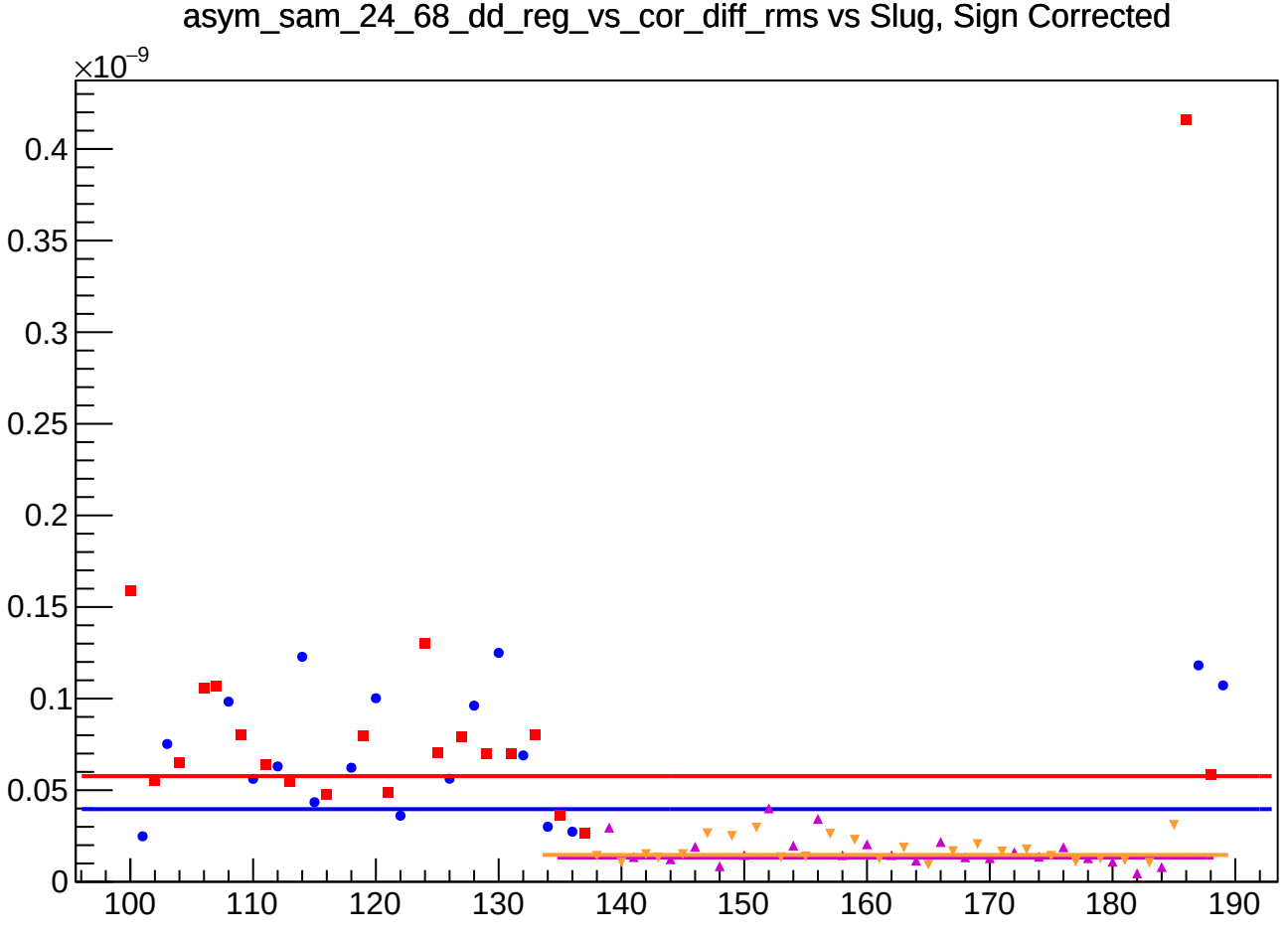
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 42.4/38

In: 0.000+/-0.000 χ^2/NDF:50.9/40

Out: -0.000+/-0.000 χ^2/NDF:53.8/45

All: -0.000+/-0.000 χ^2/NDF: 105.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 1651898.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1048909.1/20

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

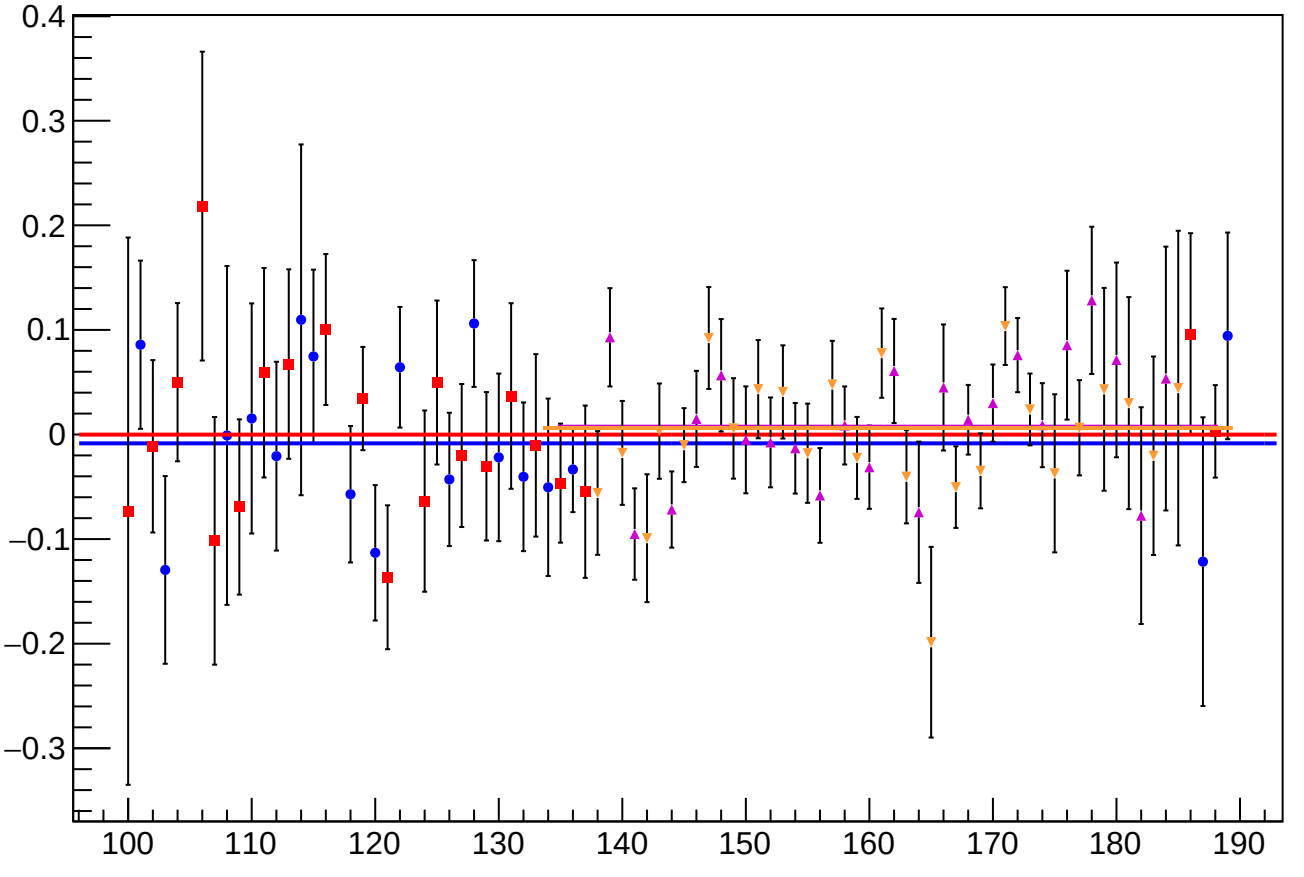
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 3093421.0/38

In: 0.000+/-0.000 χ^2/NDF:5755634.1/40

Out: 0.000+/-0.000 χ^2/NDF:5569716.6/45

All: 0.000+/-0.000 χ^2/NDF: 11381120.8/86



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

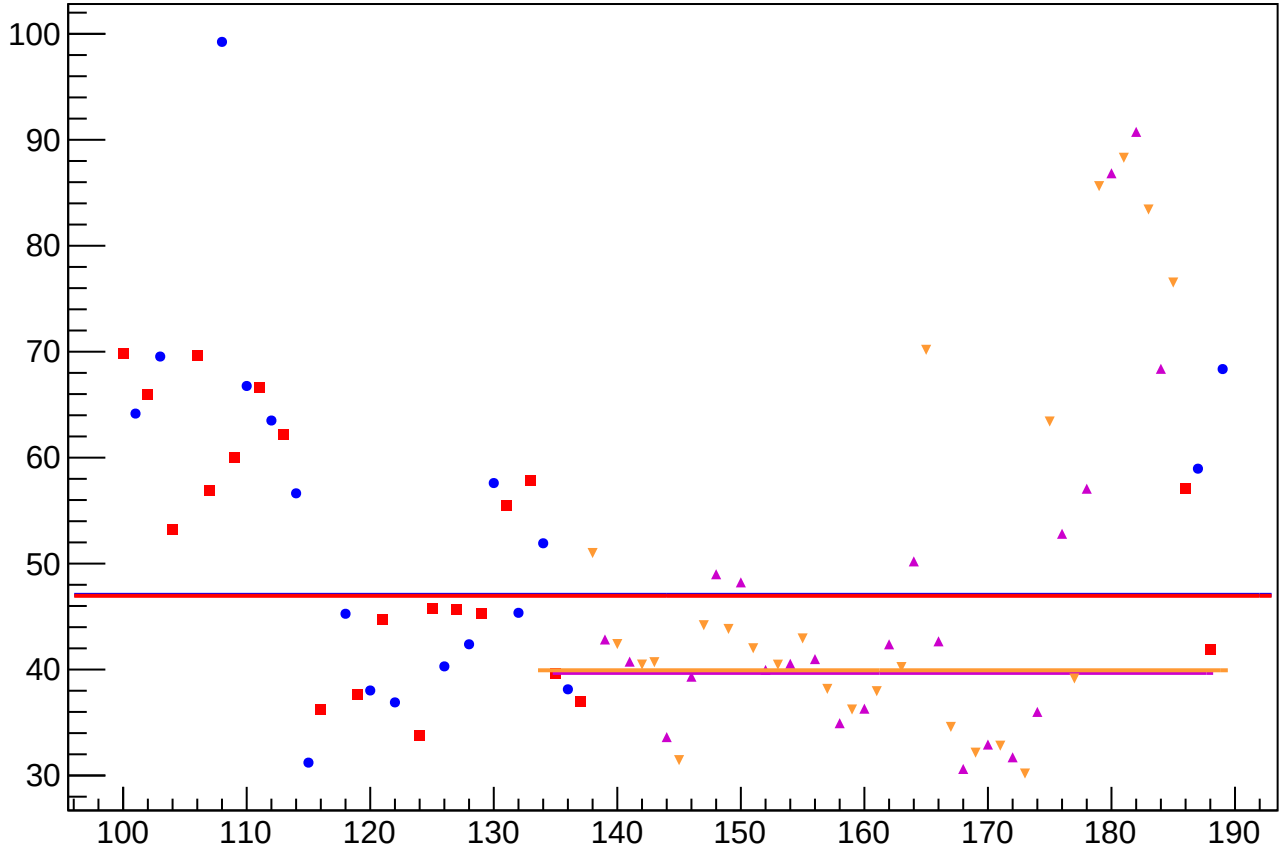
Right: -0.004+/-0.012 χ^2/NDF: 31.0/38

In: 0.004+/-0.009 χ^2/NDF:47.1/40

Out: 0.005+/-0.008 χ^2/NDF:45.8/45

All: 0.004+/-0.006 χ^2/NDF: 92.9/86

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.051+/-0.012 χ^2/NDF: 1016342.2/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 46.961+/-0.012 χ^2/NDF: 703997.5/20

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

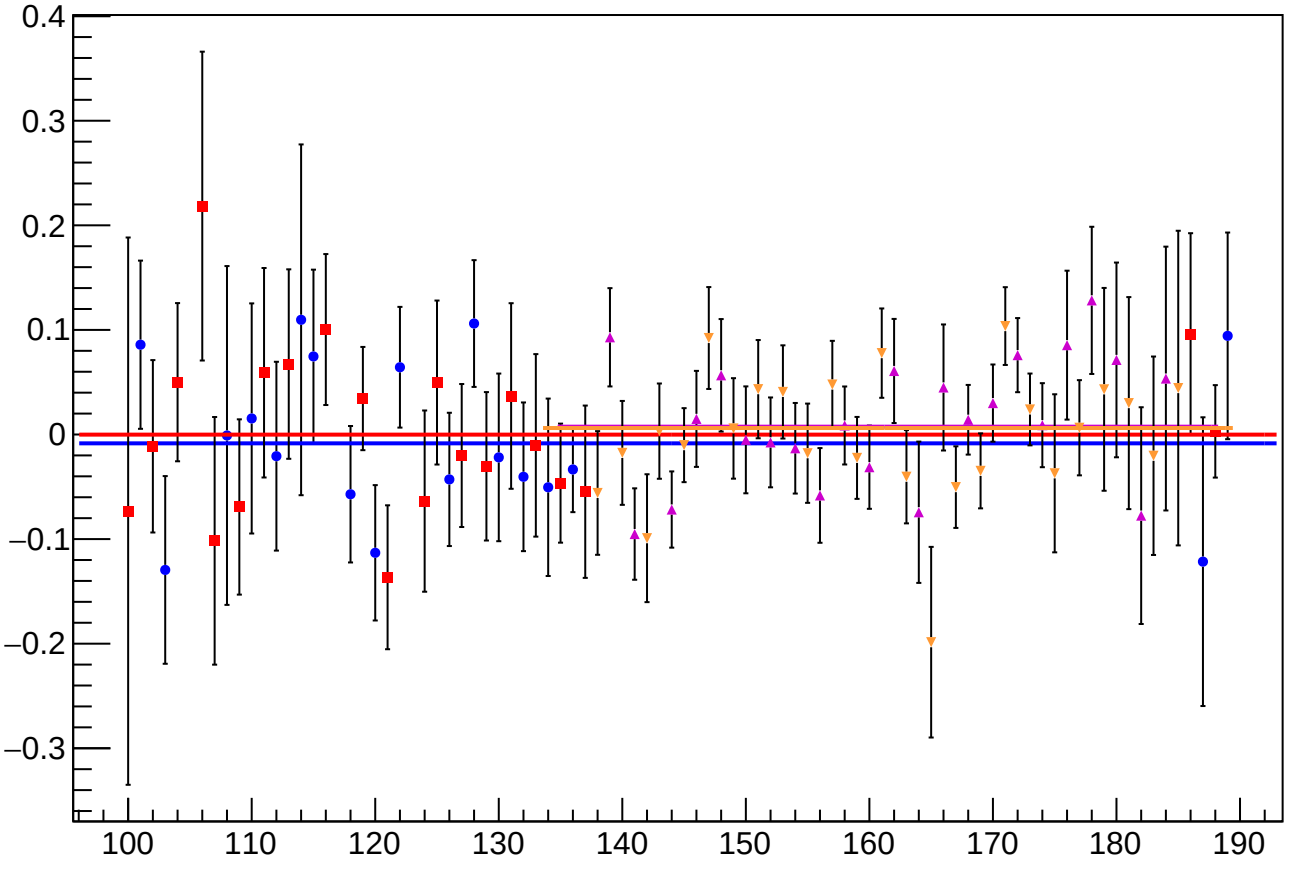
Right: 47.003+/-0.009 χ^2/NDF: 1720367.4/38

In: 41.428+/-0.006 χ^2/NDF:3200861.7/40

Out: 41.701+/-0.006 χ^2/NDF:3451247.7/45

All: 41.569+/-0.004 χ^2/NDF: 6653159.5/86

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

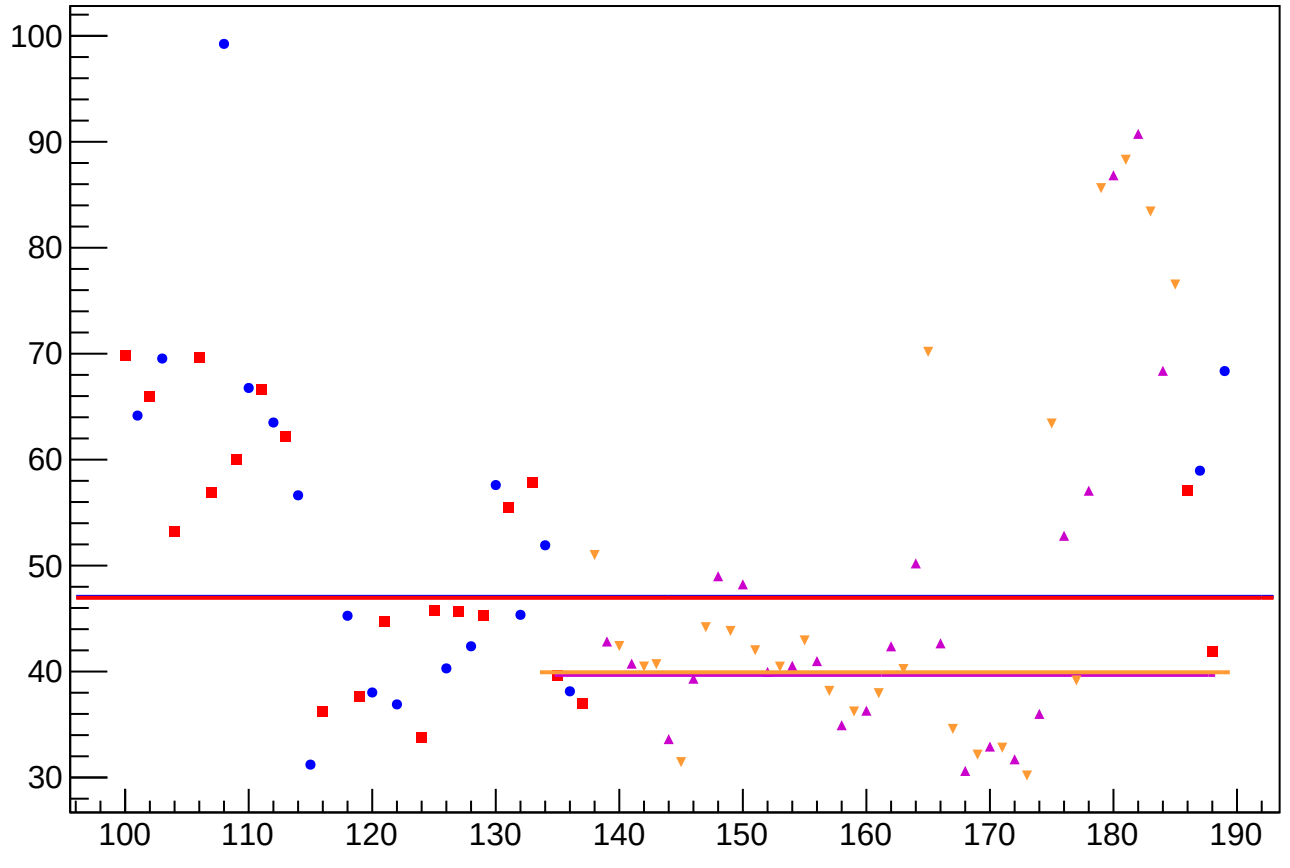
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.004+/-0.012 χ^2/NDF: 31.0/38

In: 0.004+/-0.009 χ^2/NDF:47.1/40

Out: 0.005+/-0.008 χ^2/NDF:45.8/45

All: 0.004+/-0.006 χ^2/NDF: 92.9/86



Right In: 47.051+/-0.012 χ^2/NDF: 1016342.2/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 46.961+/-0.012 χ^2/NDF: 703997.5/20

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

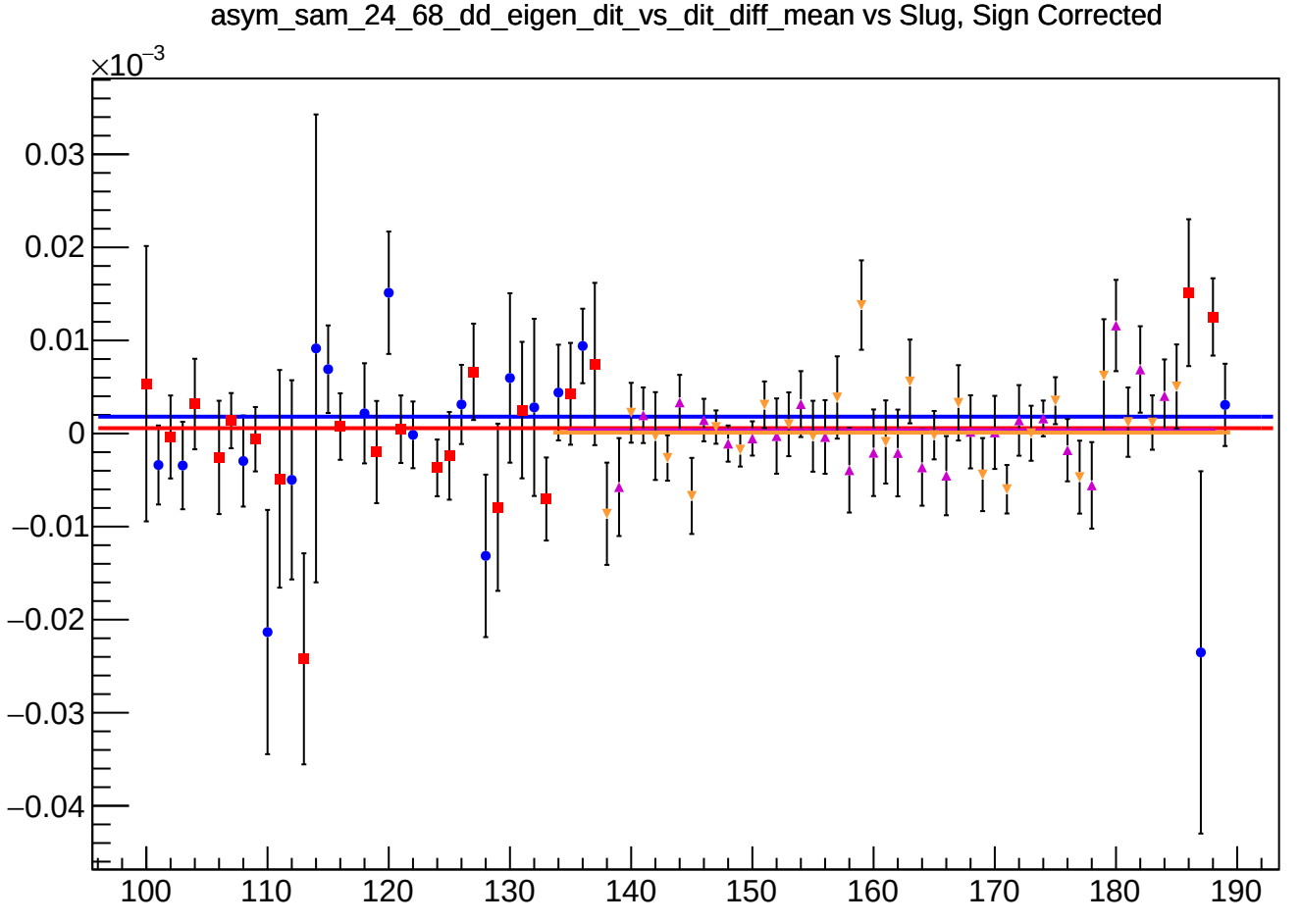
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 47.003+/-0.009 χ^2/NDF: 1720367.4/38

In: 41.428+/-0.006 χ^2/NDF:3200861.7/40

Out: 41.701+/-0.006 χ^2/NDF:3451247.7/45

All: 41.569+/-0.004 χ^2/NDF: 6653159.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/20

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

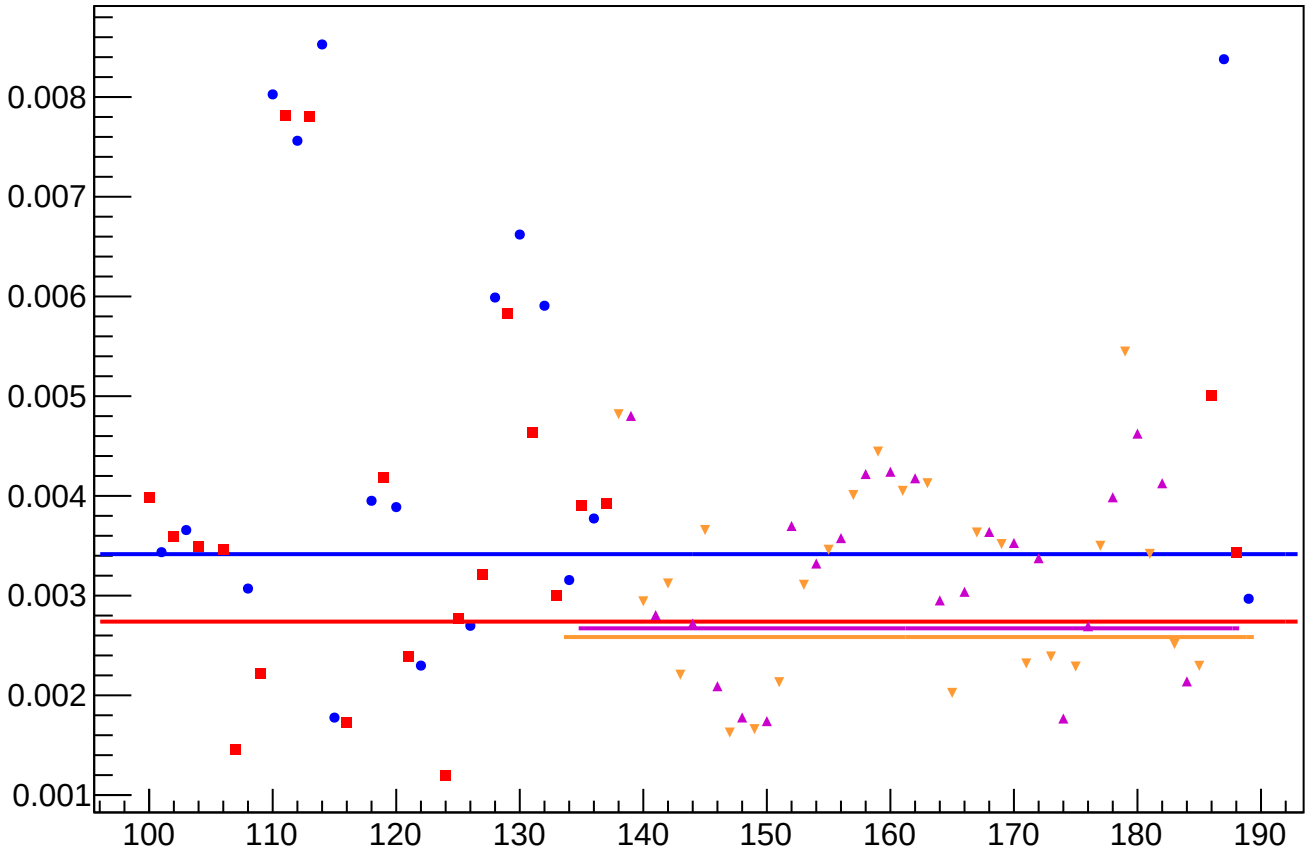
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 48.8/38

In: 0.000+/-0.000 χ^2/NDF:41.4/40

Out: 0.000+/-0.000 χ^2/NDF:59.8/45

All: 0.000+/-0.000 χ^2/NDF: 101.6/86



Right In: 0.003+/-0.000 χ^2/NDF: 1899434.8/17

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2932824.1/20

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

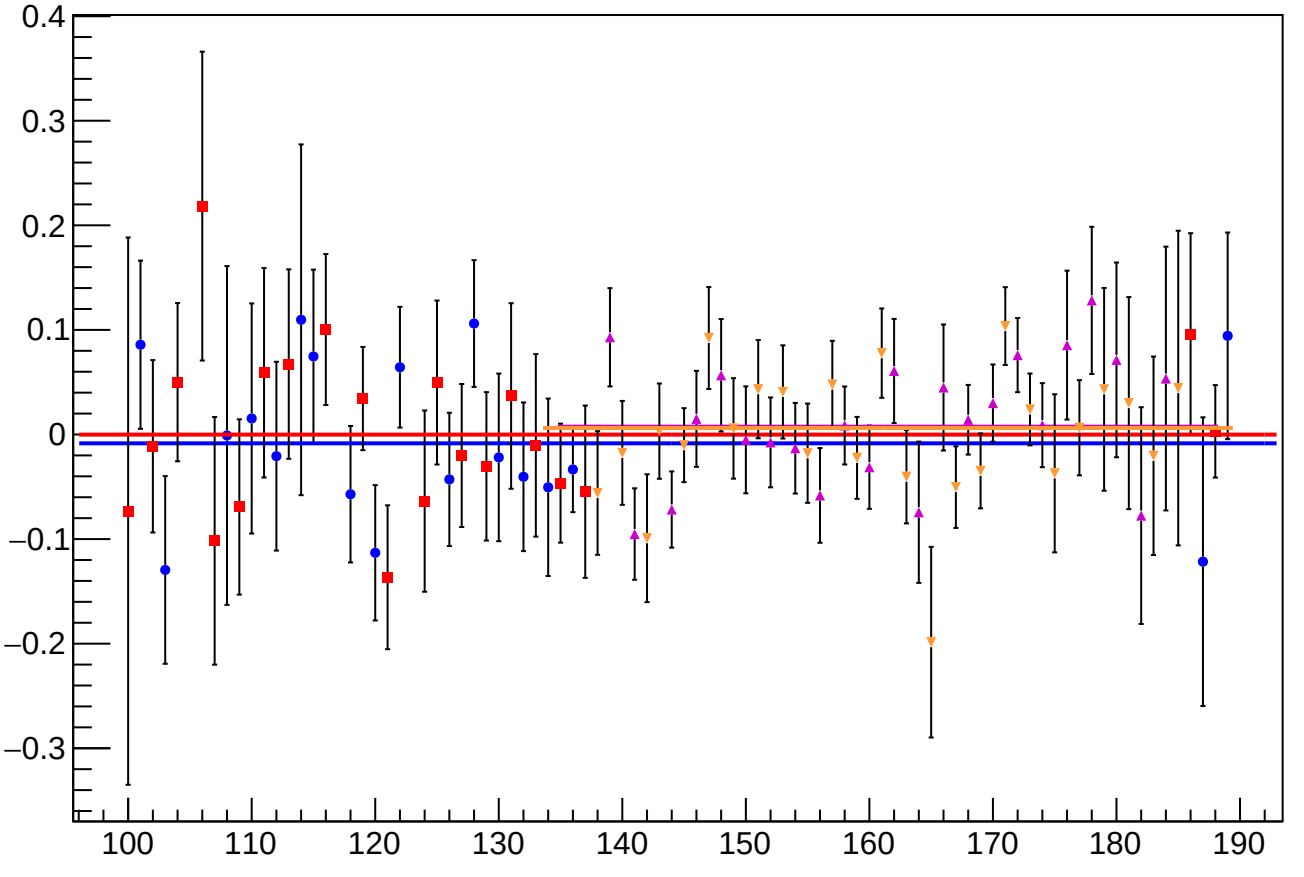
Right: 0.003+/-0.000 χ^2/NDF: 5159004.7/38

In: 0.003+/-0.000 χ^2/NDF:6237830.9/40

Out: 0.003+/-0.000 χ^2/NDF:6857842.3/45

All: 0.003+/-0.000 χ^2/NDF: 13221315.5/86

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

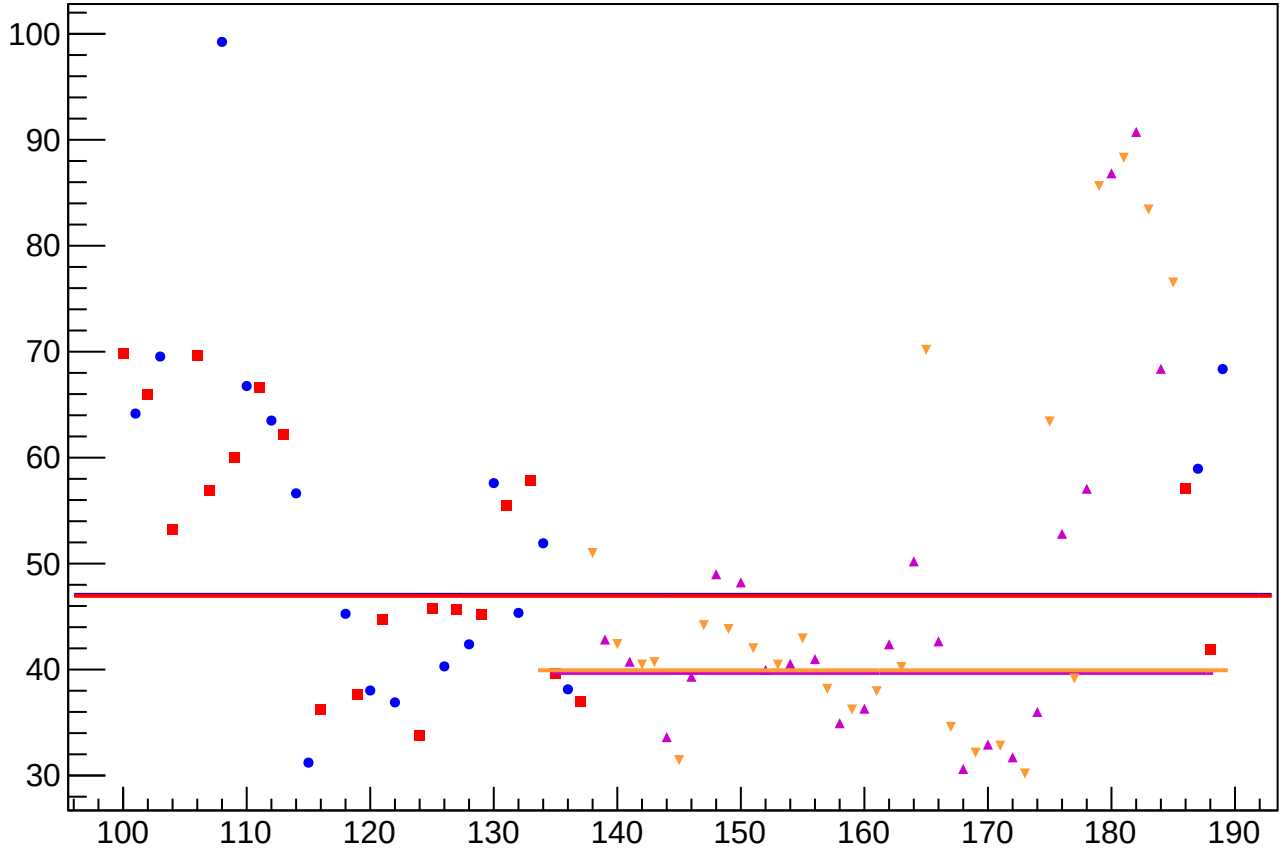
Right: -0.004+/-0.012 χ^2/NDF: 31.0/38

In: 0.004+/-0.009 χ^2/NDF:47.1/40

Out: 0.005+/-0.008 χ^2/NDF:45.8/45

All: 0.004+/-0.006 χ^2/NDF: 92.9/86

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.049+/-0.012 χ^2/NDF: 1016323.6/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 46.960+/-0.012 χ^2/NDF: 703974.2/20

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

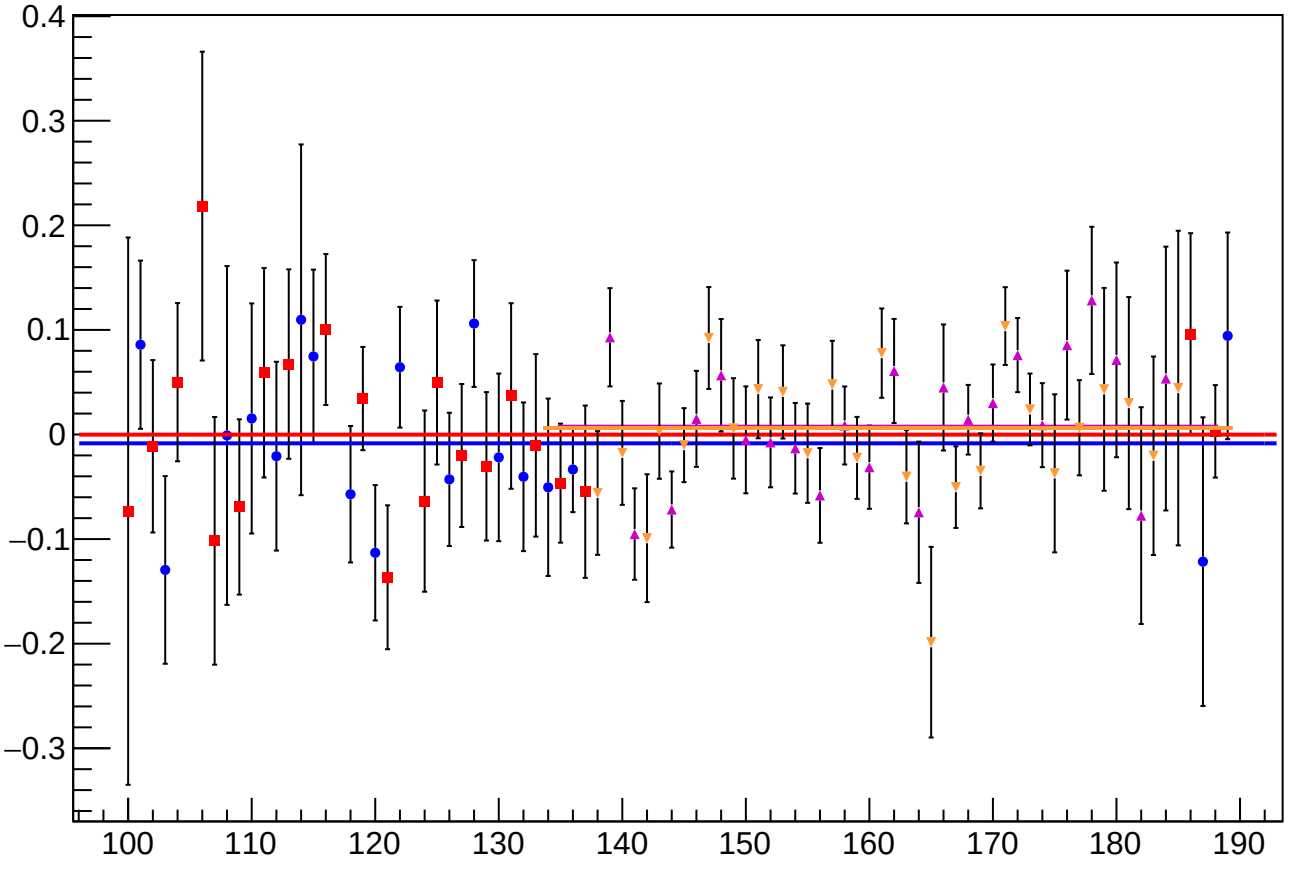
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 47.002+/-0.009 χ^2/NDF: 1720325.0/38

In: 41.428+/-0.006 χ^2/NDF:3200784.7/40

Out: 41.701+/-0.006 χ^2/NDF:3451203.2/45

All: 41.569+/-0.004 χ^2/NDF: 6653040.8/86



Right In: -0.008+/-0.018 χ^2/NDF: 16.0/17

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

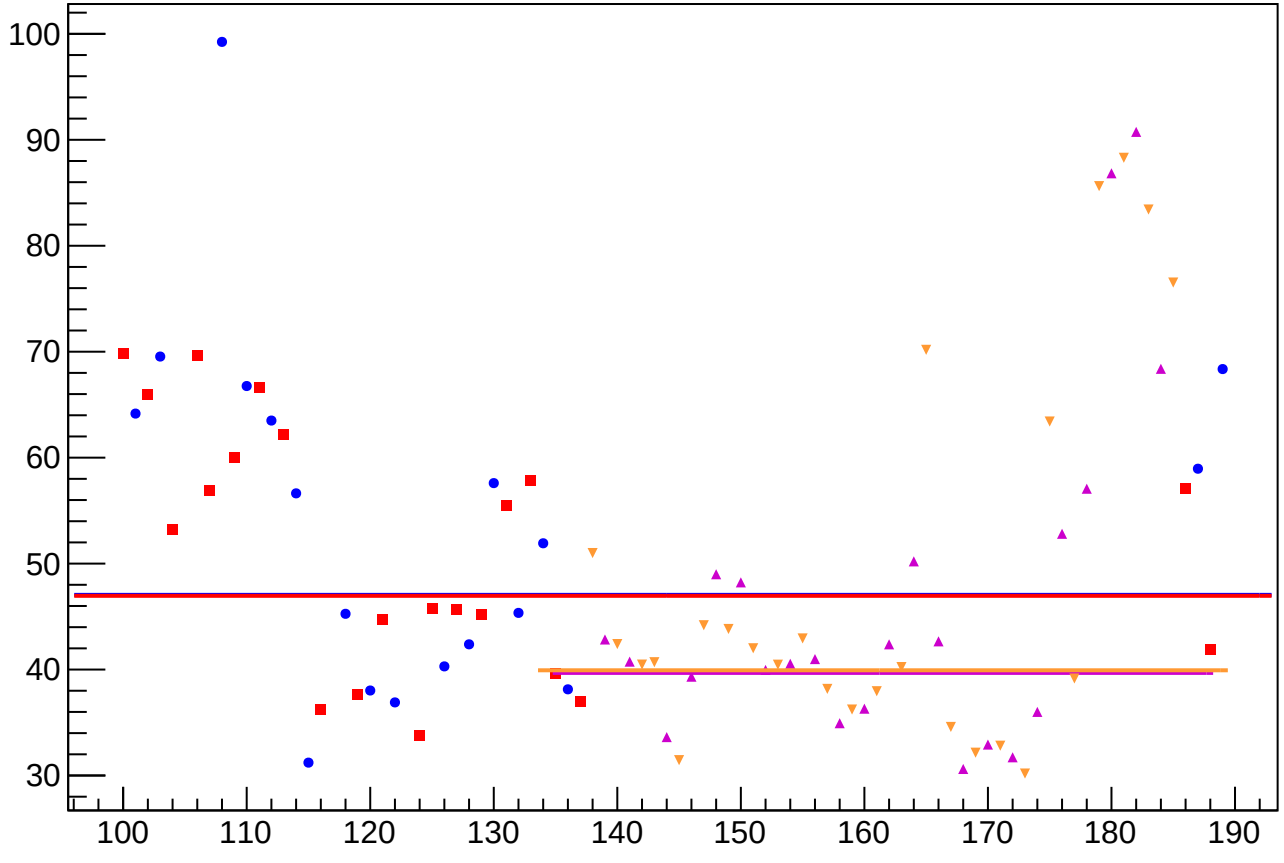
Right: -0.004+/-0.012 χ^2/NDF: 31.0/38

In: 0.004+/-0.009 χ^2/NDF:47.1/40

Out: 0.005+/-0.008 χ^2/NDF:45.8/45

All: 0.004+/-0.006 χ^2/NDF: 92.9/86

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.049+/-0.012 χ^2/NDF: 1016323.6/17

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 46.960+/-0.012 χ^2/NDF: 703974.2/20

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

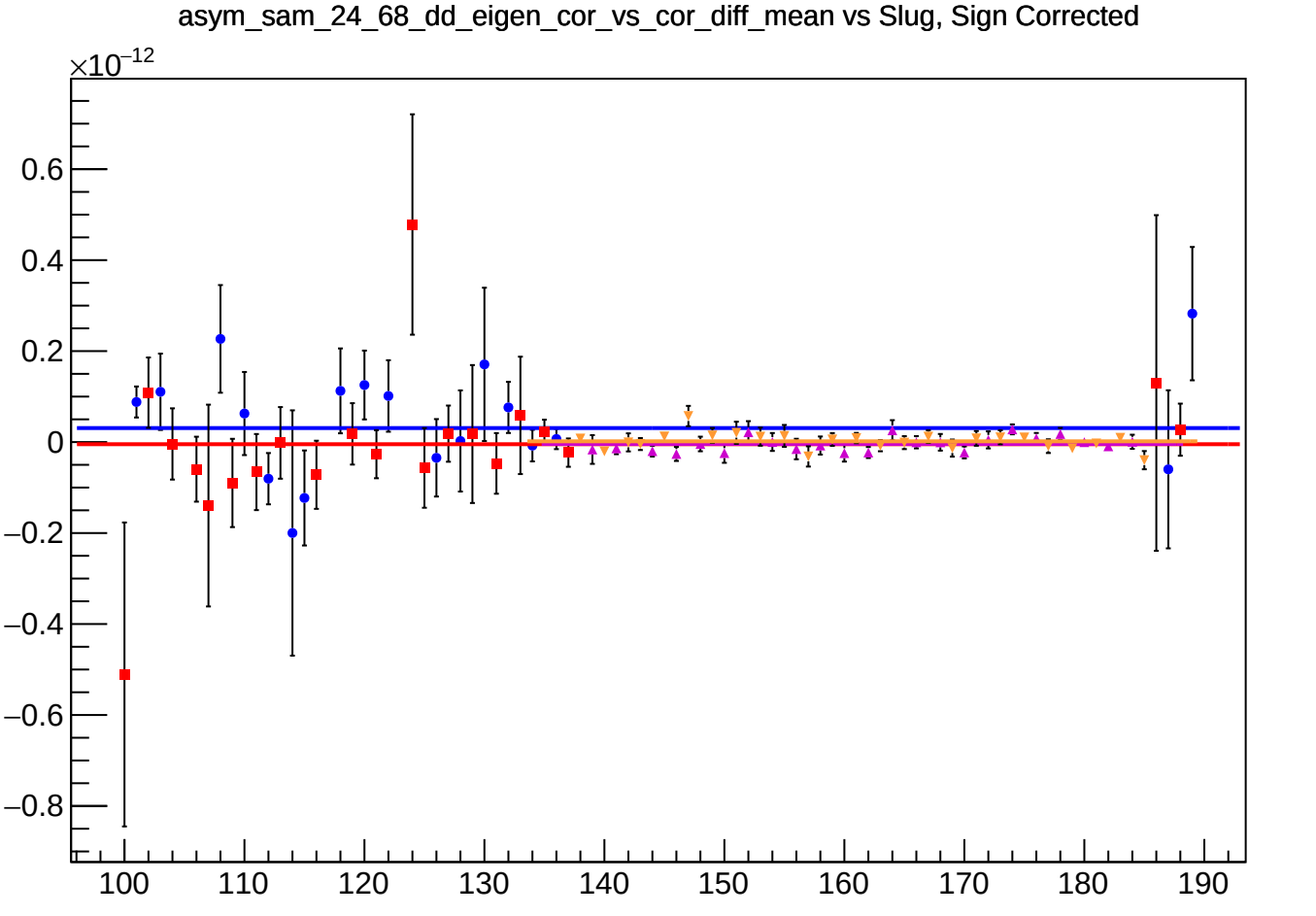
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 47.002+/-0.009 χ^2/NDF: 1720325.0/38

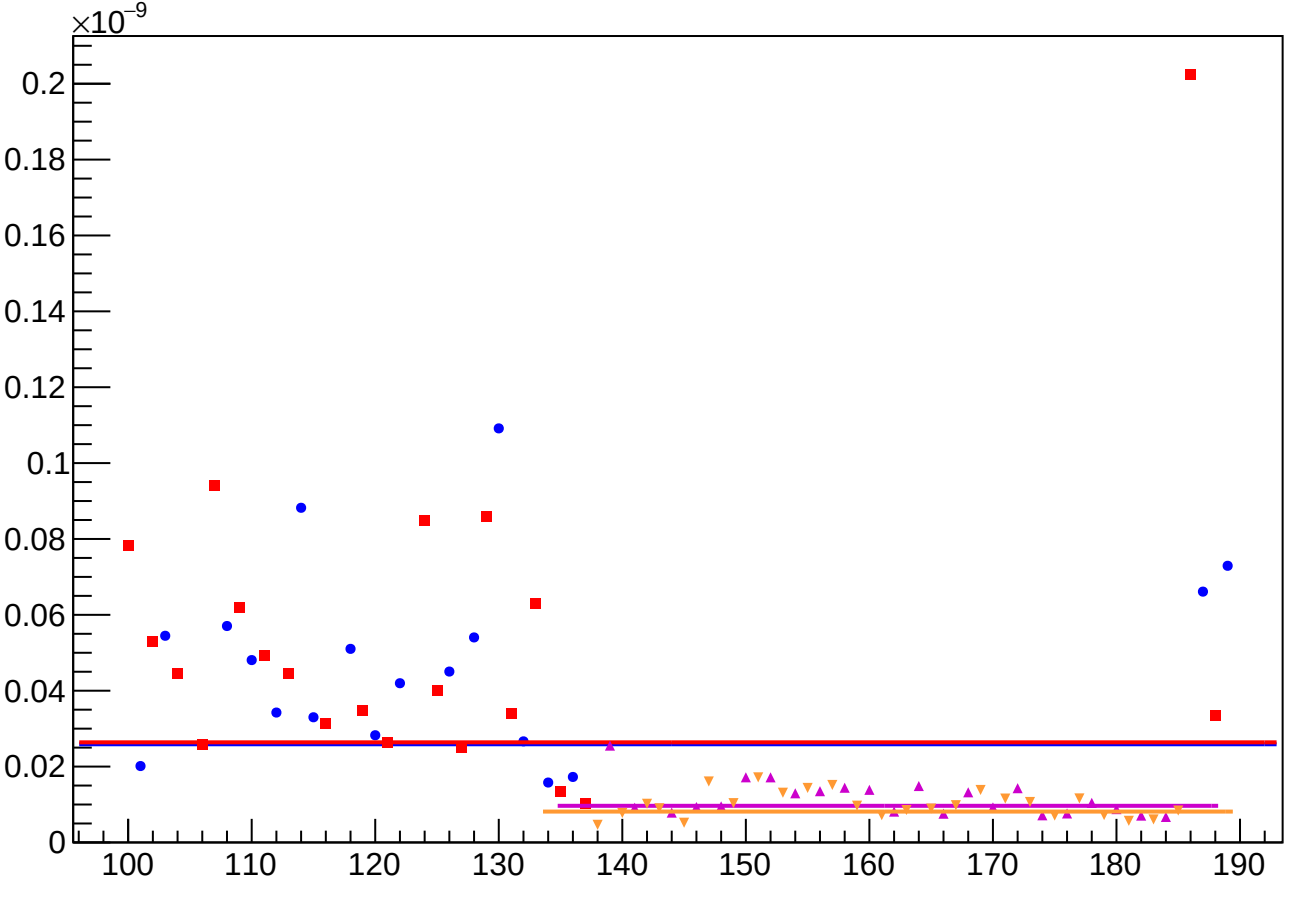
In: 41.428+/-0.006 χ^2/NDF:3200784.7/40

Out: 41.701+/-0.006 χ^2/NDF:3451203.2/45

All: 41.569+/-0.004 χ^2/NDF: 6653040.8/86


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 24.1/17
Left Out: 0.000+/-0.000 χ²/NDF:28.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.7/20
Left In: -0.000+/-0.000 χ²/NDF:27.5/22
Left: -0.000+/-0.000 χ²/NDF: 57.5/47
Right: 0.000+/-0.000 χ²/NDF: 42.2/38
In: -0.000+/-0.000 χ²/NDF:58.0/40
Out: 0.000+/-0.000 χ²/NDF:42.9/45
All: -0.000+/-0.000 χ²/NDF: 101.8/86

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2435799.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3280822.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

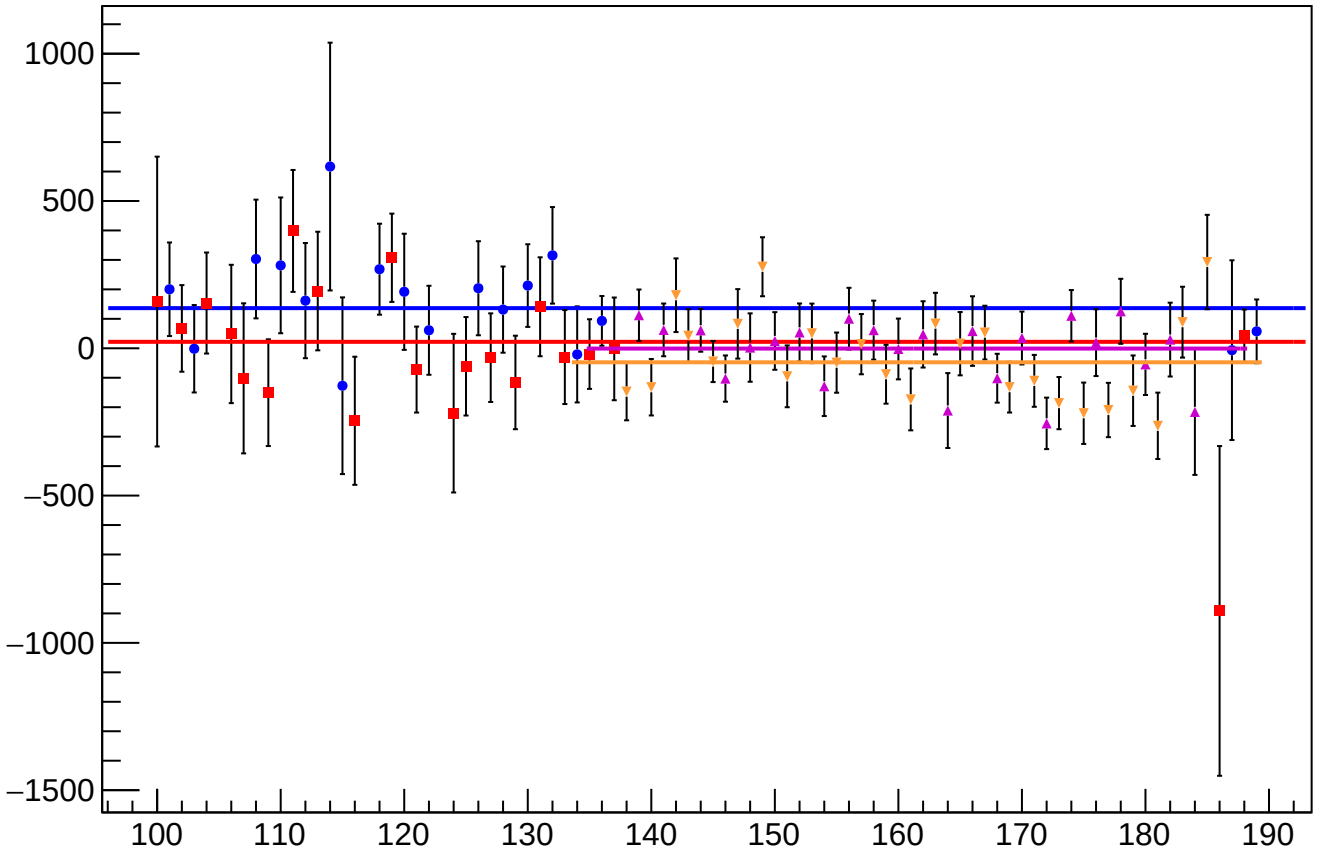
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5718018.4/38

In: 0.000+/-0.000 χ^2/NDF:7319723.2/40

Out: 0.000+/-0.000 χ^2/NDF:8968187.1/45

All: 0.000+/-0.000 χ^2/NDF: 16668507.0/86



Right In: 136.297+/-36.986 χ^2/NDF: 8.9/17

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 21.915+/-36.515 χ^2/NDF: 16.9/20

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

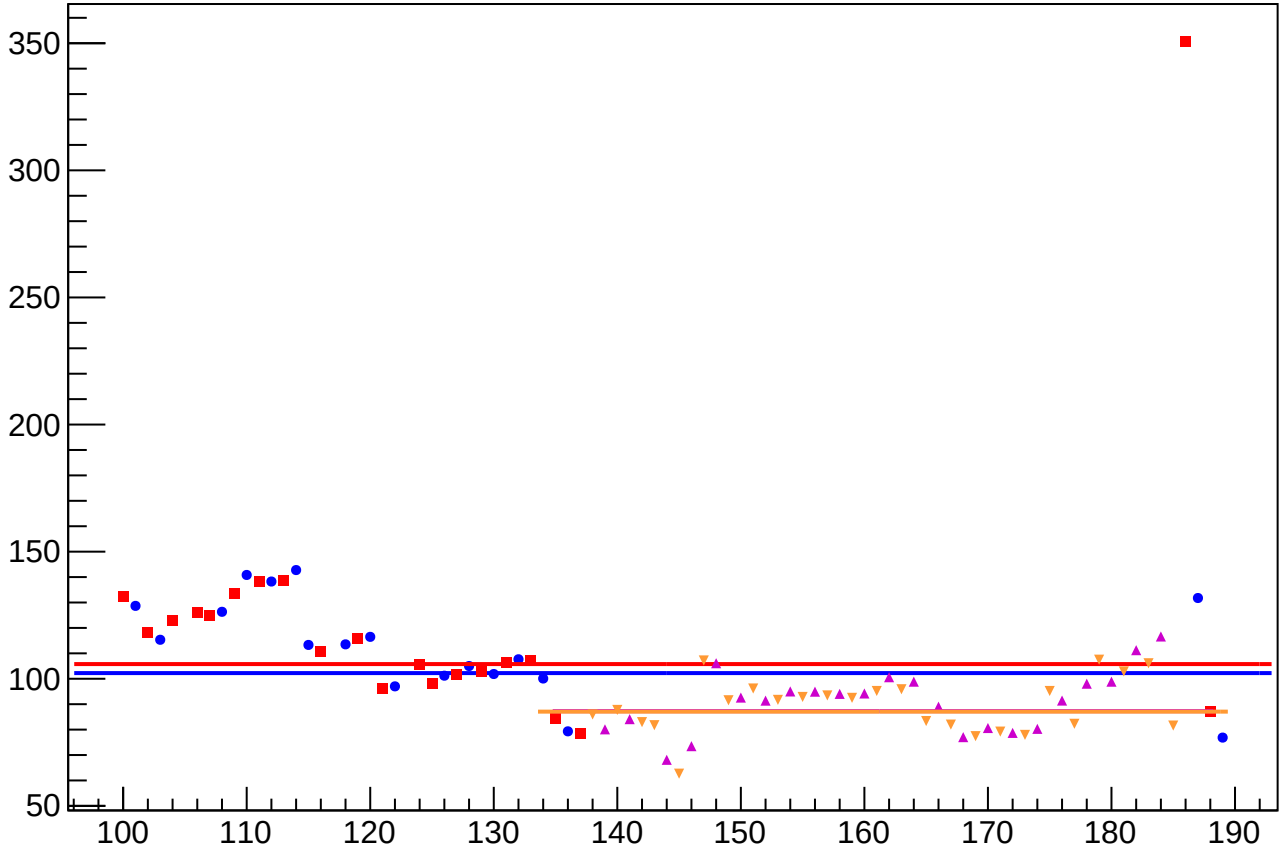
Right: 78.372+/-25.985 χ^2/NDF: 30.6/38

In: 31.526+/-17.999 χ^2/NDF:44.9/40

Out: -31.520+/-17.530 χ^2/NDF:63.7/45

All: -0.830+/-12.558 χ^2/NDF: 114.8/86

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 102.234+/-0.026 χ^2/NDF: 547869.7/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 105.779+/-0.026 χ^2/NDF: 825409.0/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

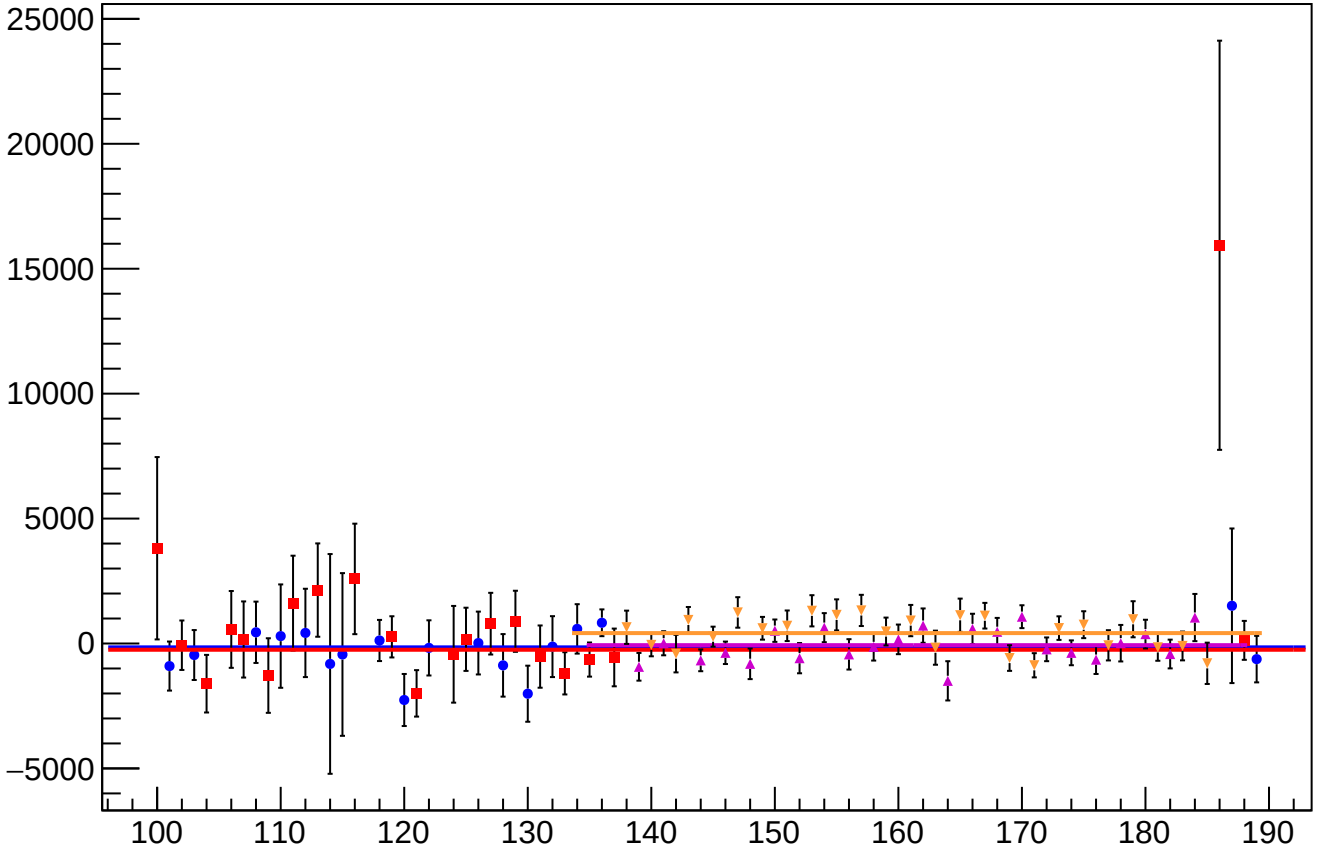
Right: 104.029+/-0.018 χ^2/NDF: 1382584.7/38

In: 90.804+/-0.013 χ^2/NDF:1393950.5/40

Out: 91.383+/-0.012 χ^2/NDF:1850005.8/45

All: 91.101+/-0.009 χ^2/NDF: 3245020.5/86

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -154.651+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -250.231+/-255.099 χ^2/NDF: 19.2/20

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

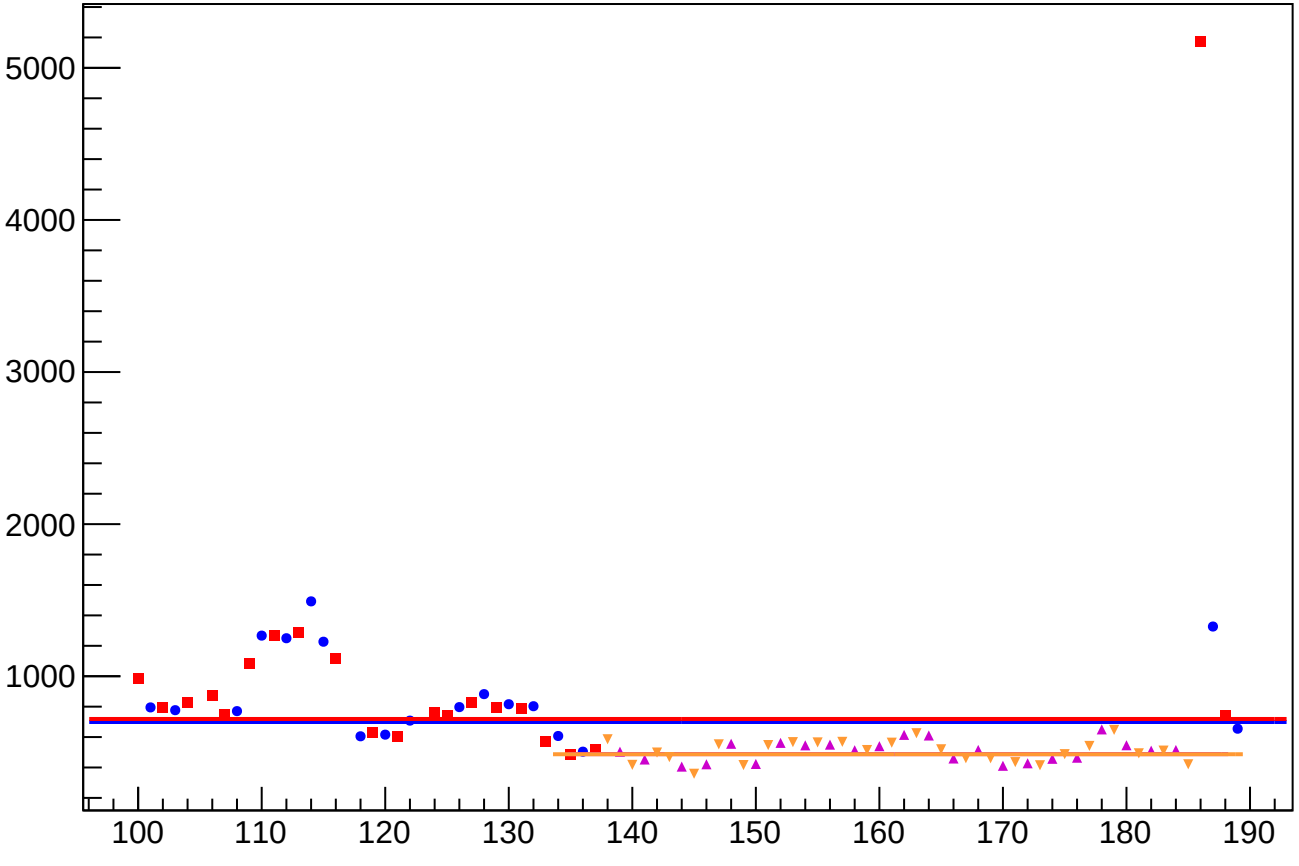
Right: -202.831+/-181.118 χ^2/NDF: 32.1/38

In: -81.423+/-105.302 χ^2/NDF:40.5/40

Out: 308.145+/-102.809 χ^2/NDF:57.3/45

All: 118.026+/-73.562 χ^2/NDF: 104.8/86

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 699.113+/-0.182 χ^2/NDF: 999686.1/17

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 718.959+/-0.180 χ^2/NDF: 1630676.0/20

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

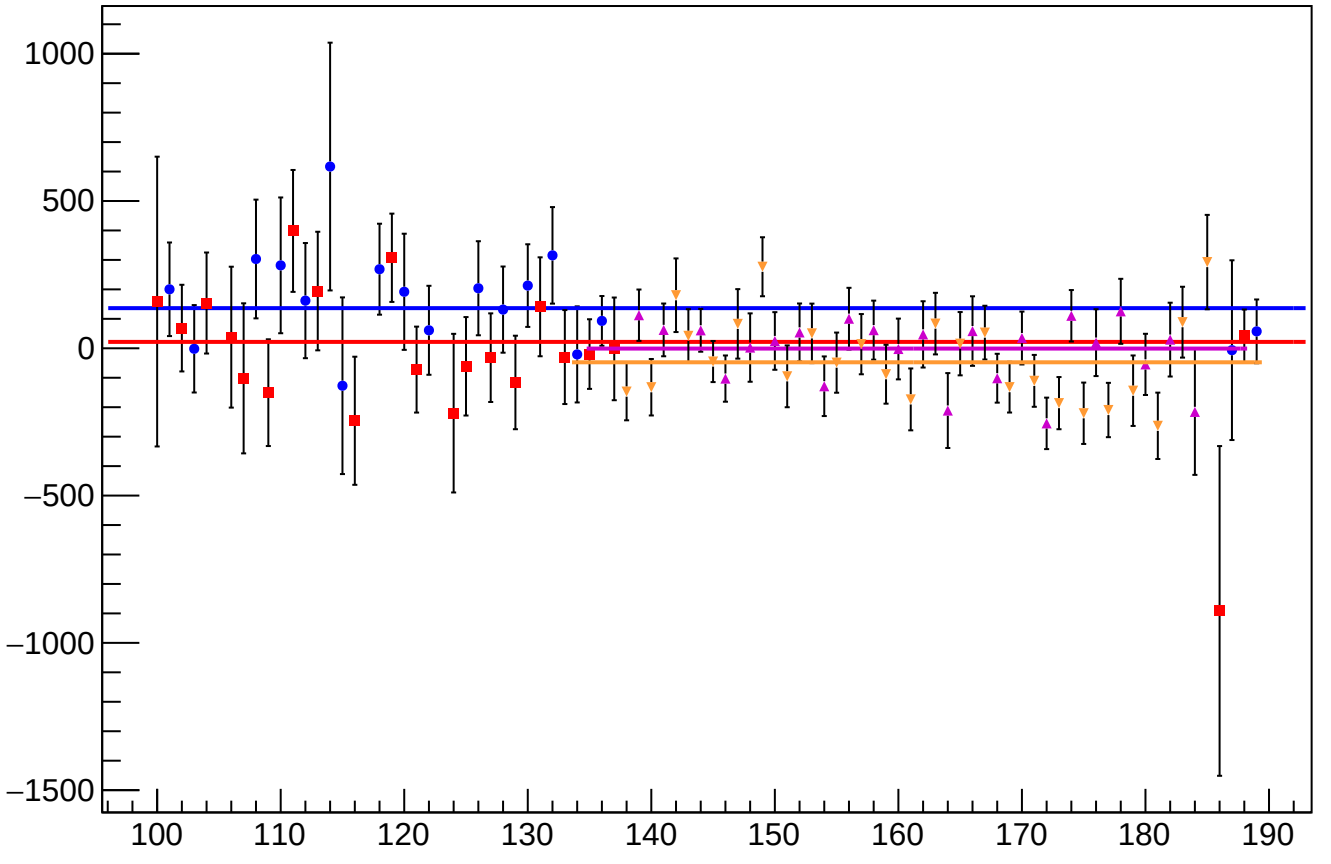
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 709.117+/-0.128 χ^2/NDF: 2636364.9/38

In: 523.331+/-0.074 χ^2/NDF:2756355.1/40

Out: 524.743+/-0.073 χ^2/NDF:3836008.2/45

All: 524.054+/-0.052 χ^2/NDF: 6592547.3/86



Right In: 136.287+/-36.986 χ^2/NDF: 8.9/17

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 21.706+/-36.531 χ^2/NDF: 16.9/20

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

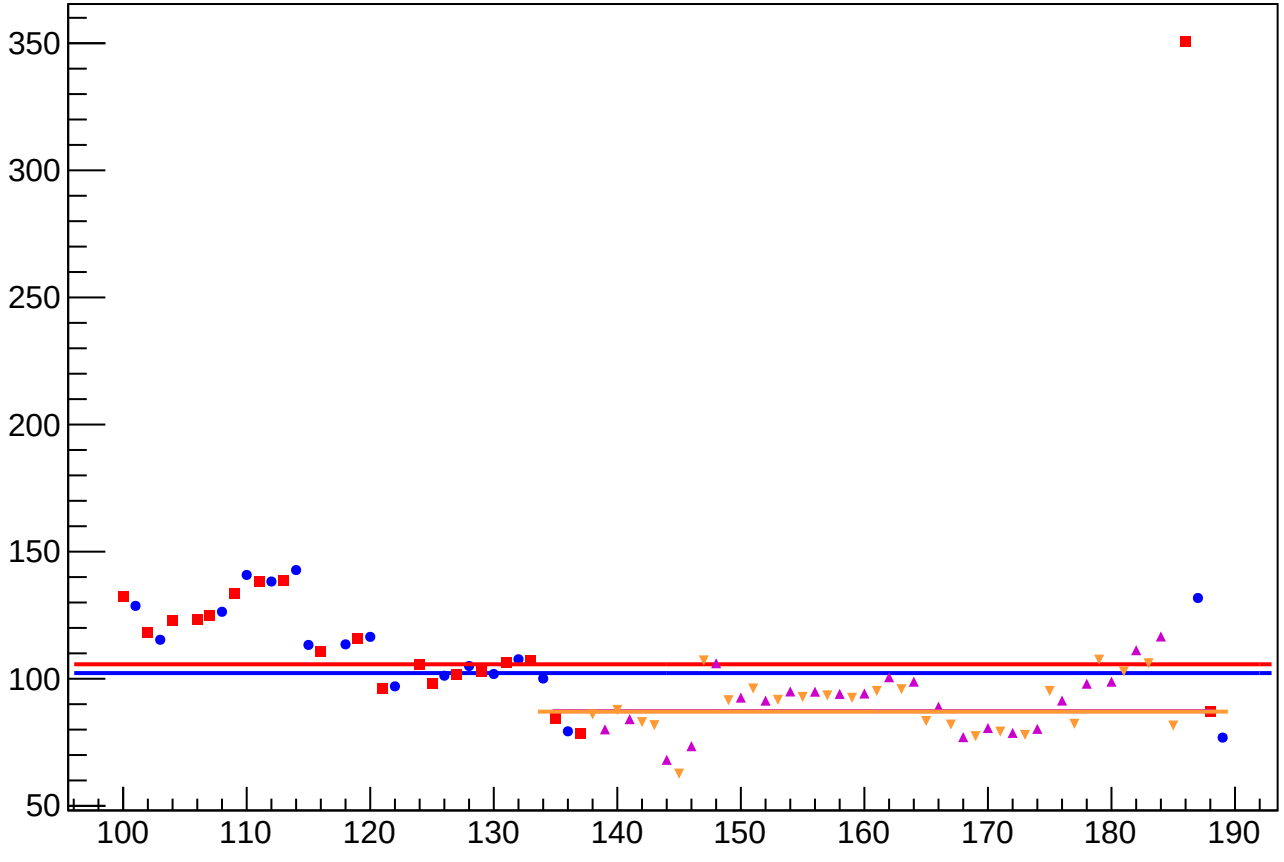
Right: 78.287+/-25.991 χ^2/NDF: 30.7/38

In: 31.523+/-17.999 χ^2/NDF:44.9/40

Out: -31.586+/-17.532 χ^2/NDF:63.7/45

All: -0.862+/-12.559 χ^2/NDF: 114.8/86

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 102.234+/-0.026 χ^2/NDF: 547870.0/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 105.697+/-0.026 χ^2/NDF: 821200.2/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

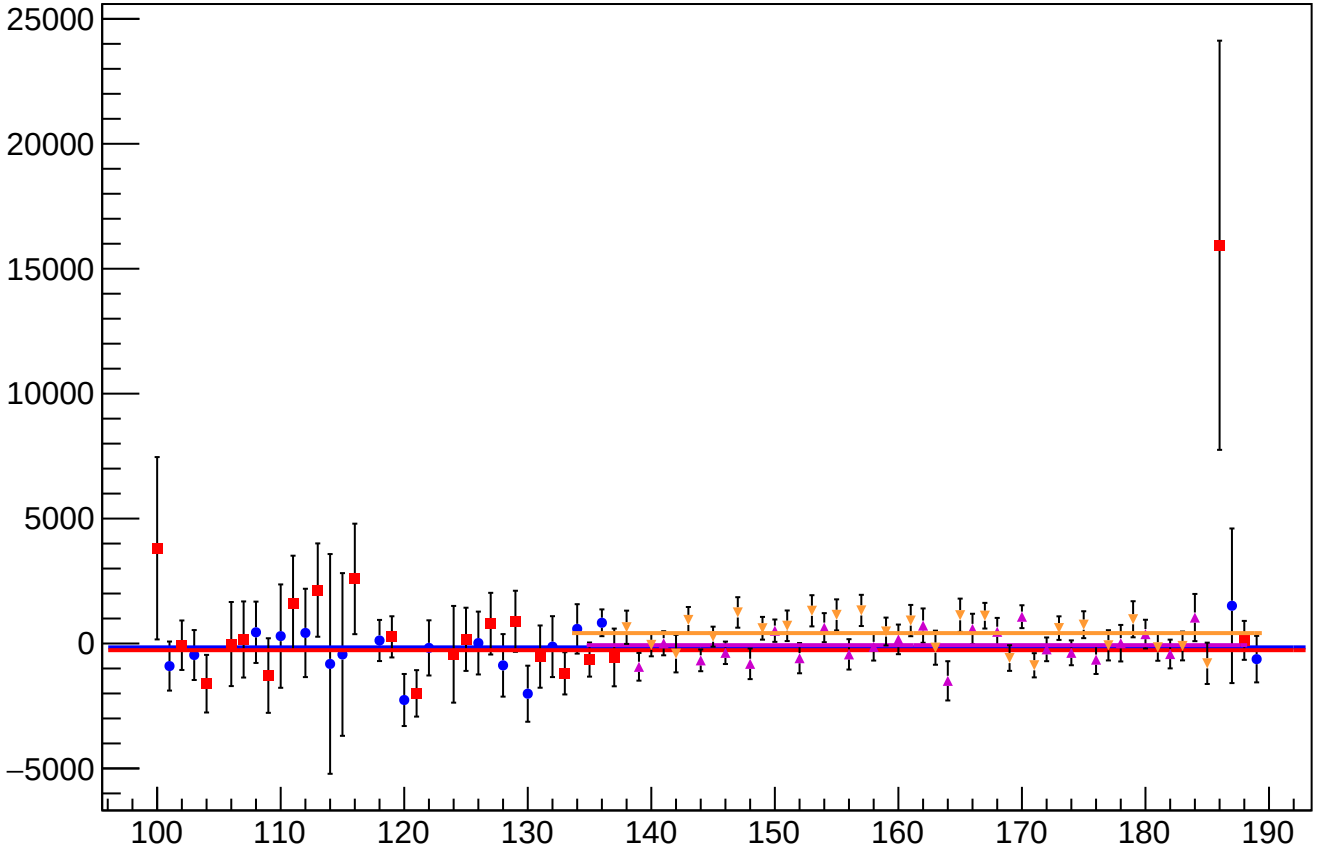
Right: 103.987+/-0.018 χ^2/NDF: 1377945.9/38

In: 90.804+/-0.013 χ^2/NDF:1393950.8/40

Out: 91.361+/-0.012 χ^2/NDF:1841975.8/45

All: 91.090+/-0.009 χ^2/NDF: 3236911.8/86

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -154.643+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -267.435+/-255.692 χ^2/NDF: 18.9/20

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

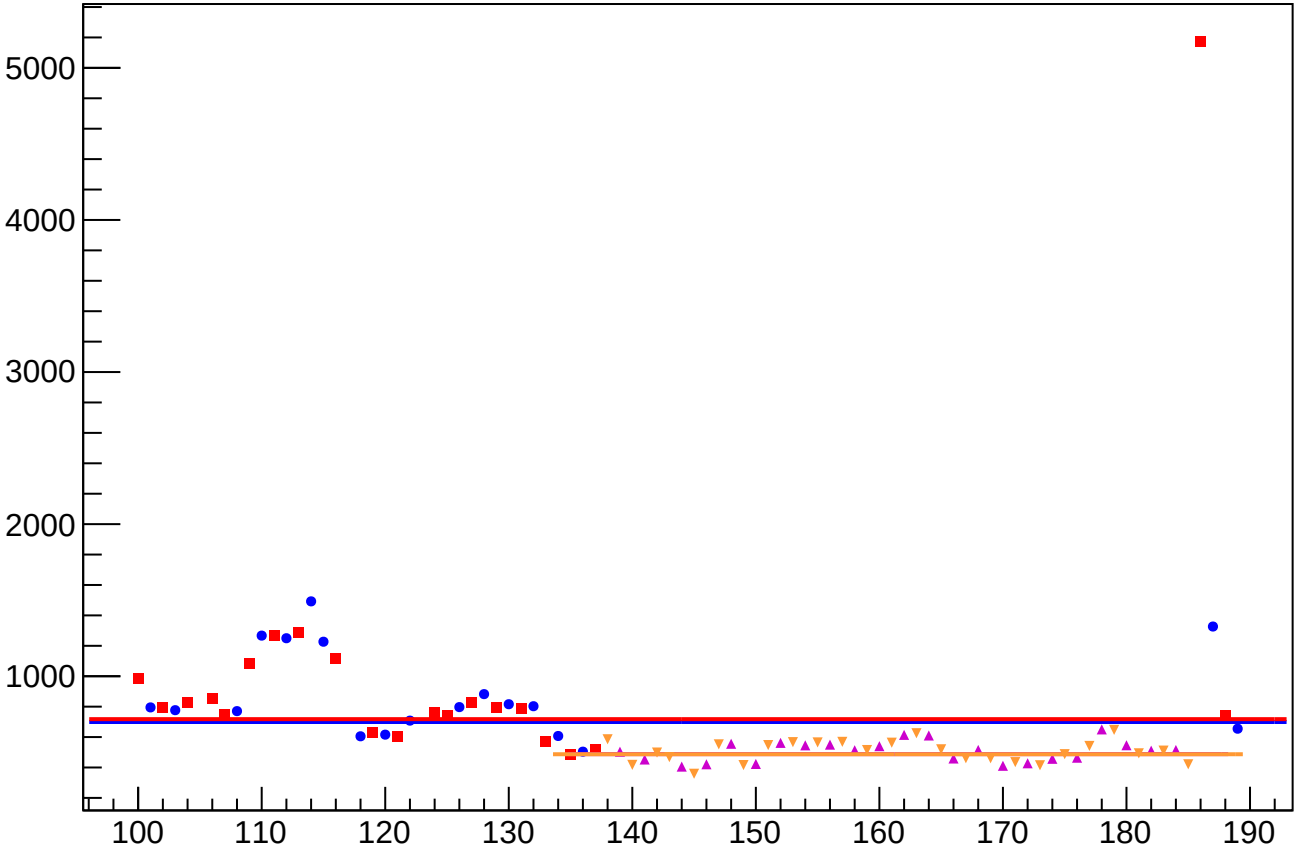
Right: -211.369+/-181.330 χ^2/NDF: 31.9/38

In: -81.421+/-105.302 χ^2/NDF:40.5/40

Out: 305.775+/-102.848 χ^2/NDF:57.4/45

All: 116.741+/-73.577 χ^2/NDF: 104.7/86

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 699.113+/-0.182 χ^2/NDF: 999695.6/17

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 717.802+/-0.181 χ^2/NDF: 1623245.7/20

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

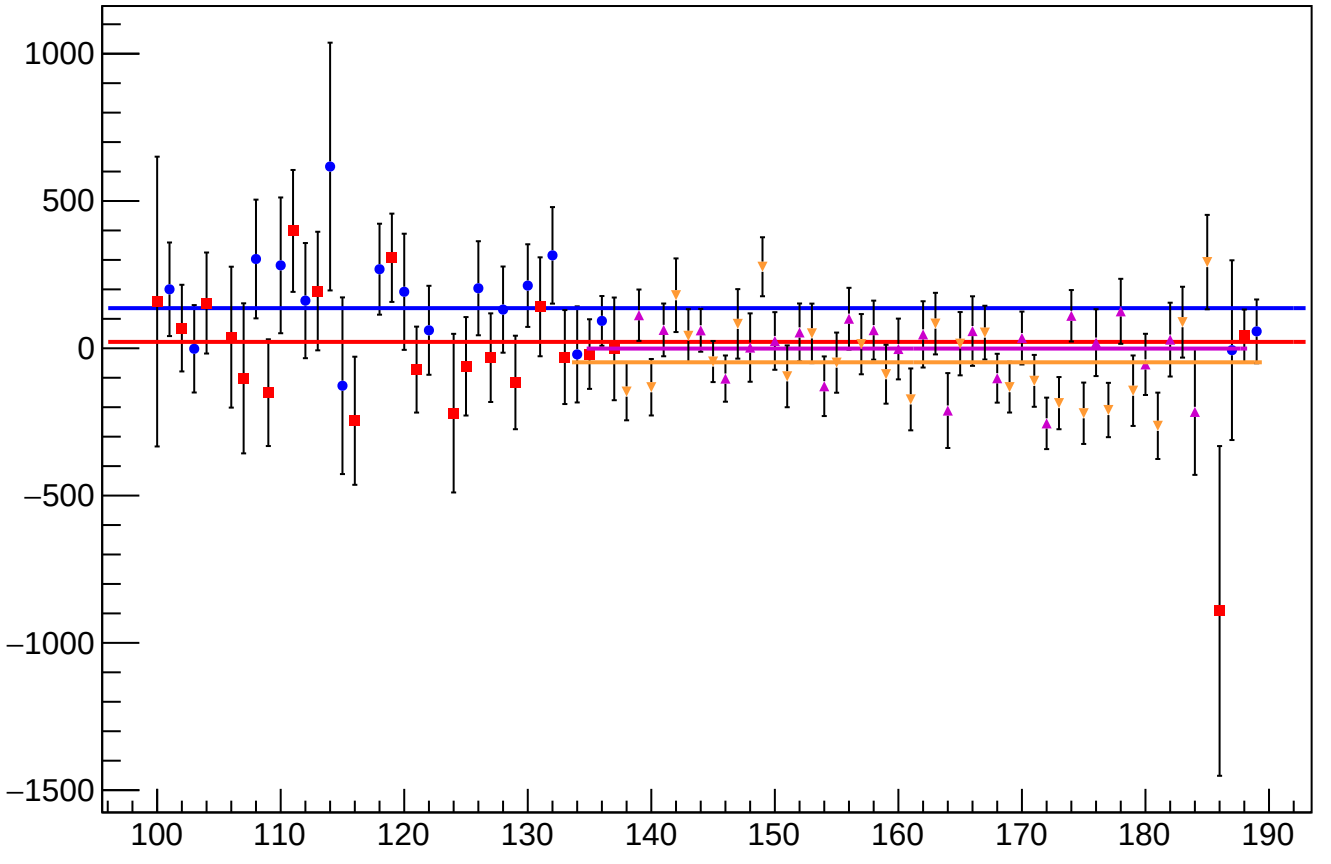
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

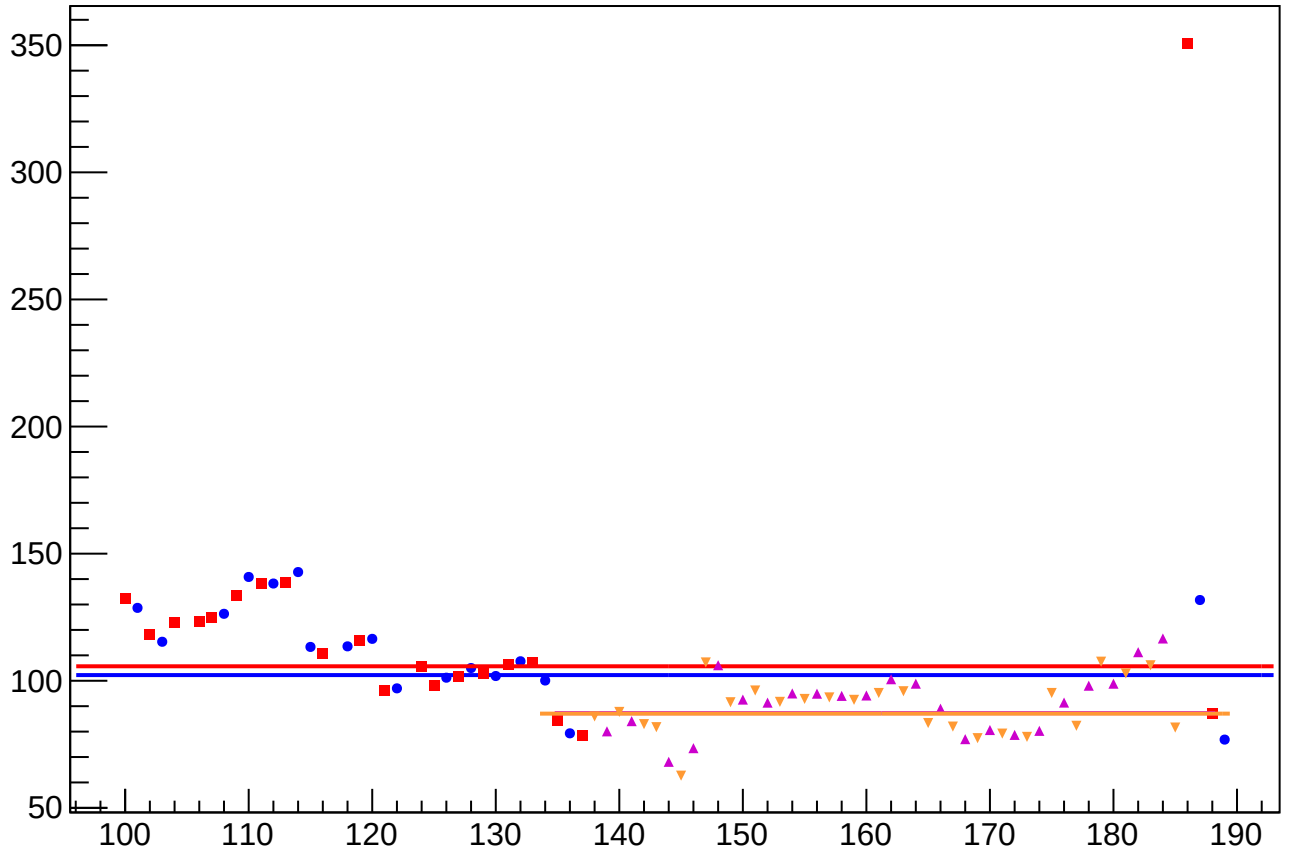
Right: 708.512+/-0.128 χ^2/NDF: 2628252.0/38

In: 523.331+/-0.074 χ^2/NDF:2756371.9/40

Out: 524.410+/-0.073 χ^2/NDF:3809470.5/45

All: 523.883+/-0.052 χ^2/NDF: 6565949.8/86


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 136.287+/-36.986 χ²/NDF: 8.9/17
Left Out: -47.532+/-19.983 χ²/NDF:44.0/24
Right Out: 21.706+/-36.531 χ²/NDF: 16.9/20
Left In: -0.988+/-20.604 χ²/NDF:25.5/22
Left: -24.971+/-14.345 χ²/NDF: 72.1/47
Right: 78.287+/-25.991 χ²/NDF: 30.7/38
In: 31.523+/-17.999 χ²/NDF:44.9/40
Out: -31.586+/-17.532 χ²/NDF:63.7/45
All: -0.862+/-12.559 χ²/NDF: 114.8/86



Right In: 102.234+/-0.026 χ^2/NDF: 547870.0/17

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 105.697+/-0.026 χ^2/NDF: 821200.2/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

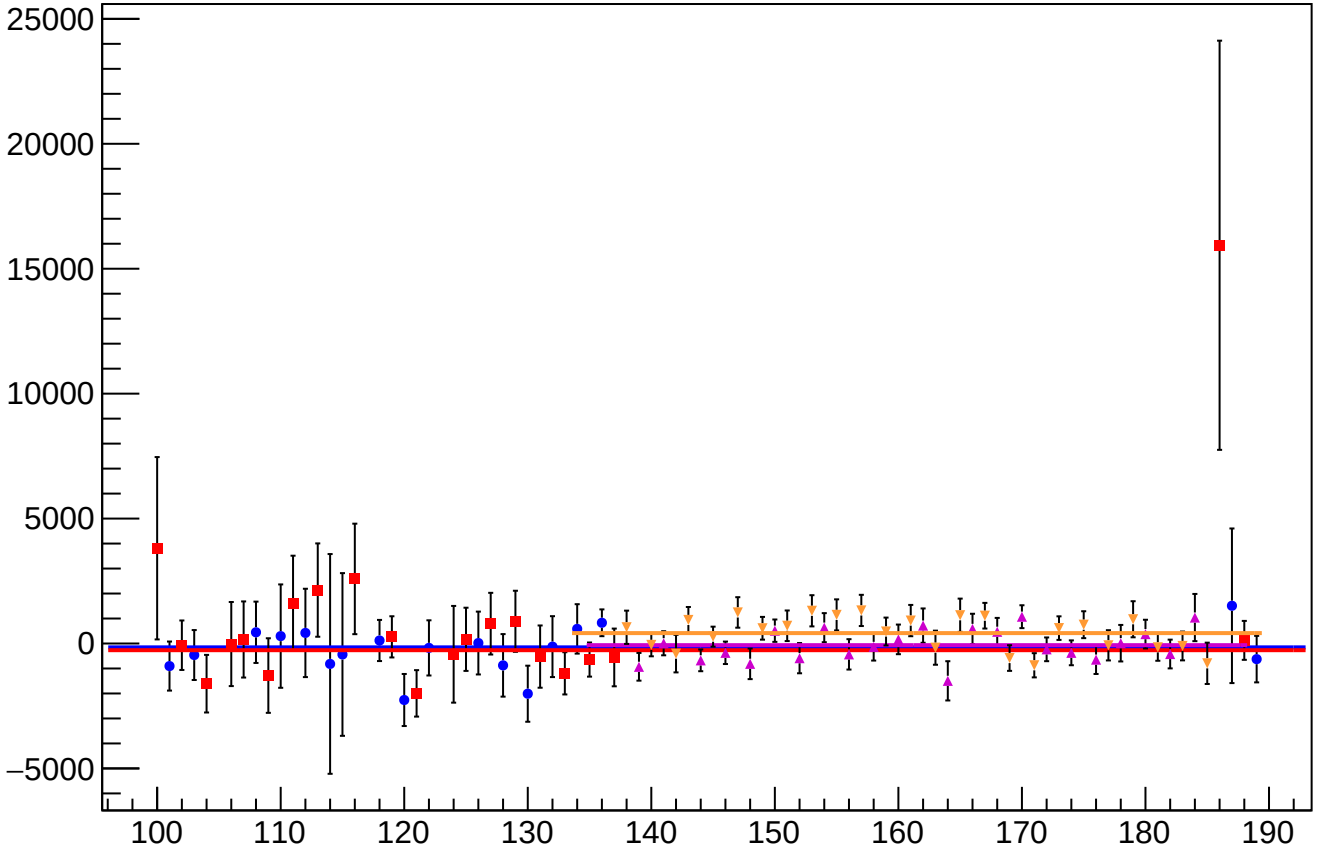
Right: 103.987+/-0.018 χ^2/NDF: 1377945.9/38

In: 90.804+/-0.013 χ^2/NDF:1393950.8/40

Out: 91.361+/-0.012 χ^2/NDF:1841975.8/45

All: 91.090+/-0.009 χ^2/NDF: 3236911.8/86

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -154.643+/-257.192 χ^2/NDF: 12.9/17

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -267.435+/-255.692 χ^2/NDF: 18.9/20

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

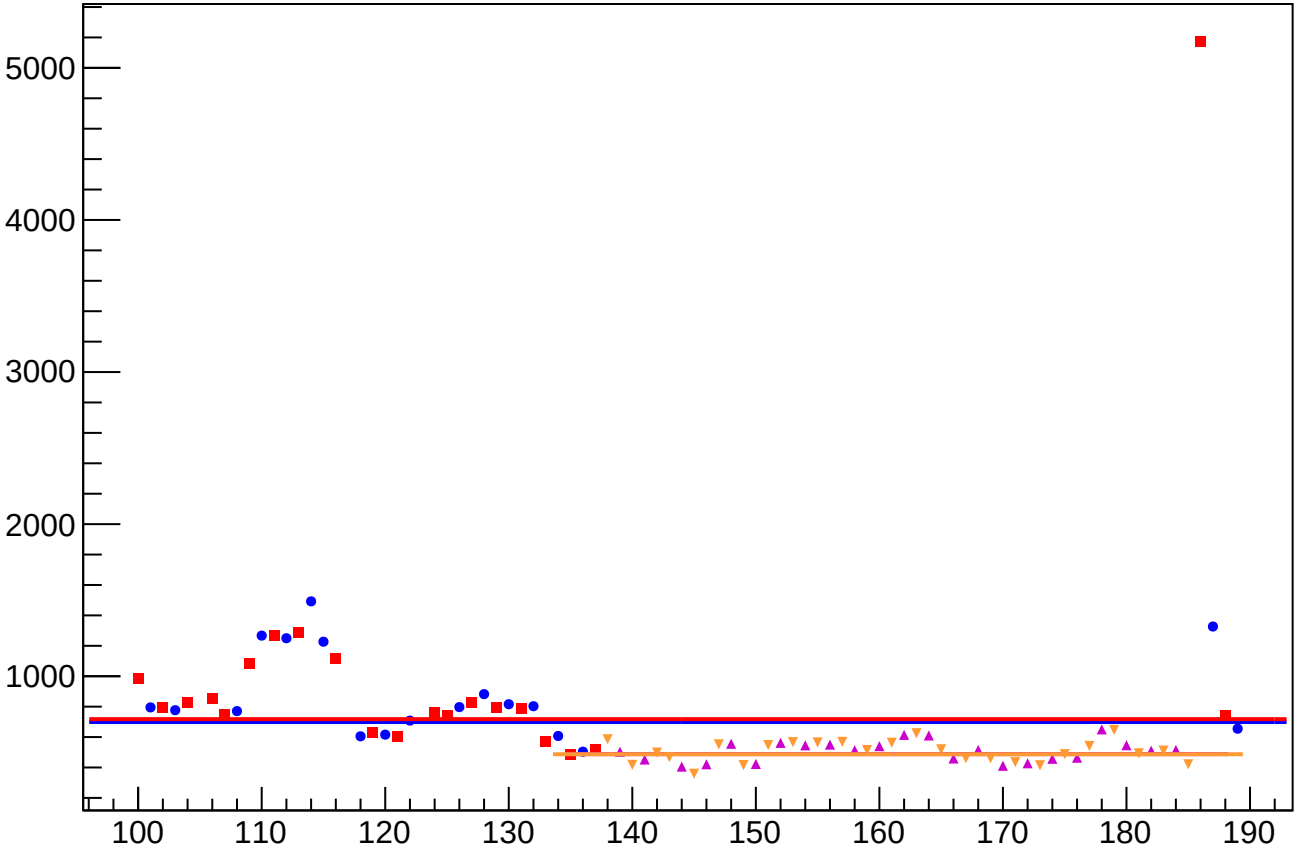
Right: -211.369+/-181.330 χ^2/NDF: 31.9/38

In: -81.421+/-105.302 χ^2/NDF:40.5/40

Out: 305.775+/-102.848 χ^2/NDF:57.4/45

All: 116.741+/-73.577 χ^2/NDF: 104.7/86

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 699.113+/-0.182 χ^2/NDF: 999695.6/17

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 717.802+/-0.181 χ^2/NDF: 1623245.7/20

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

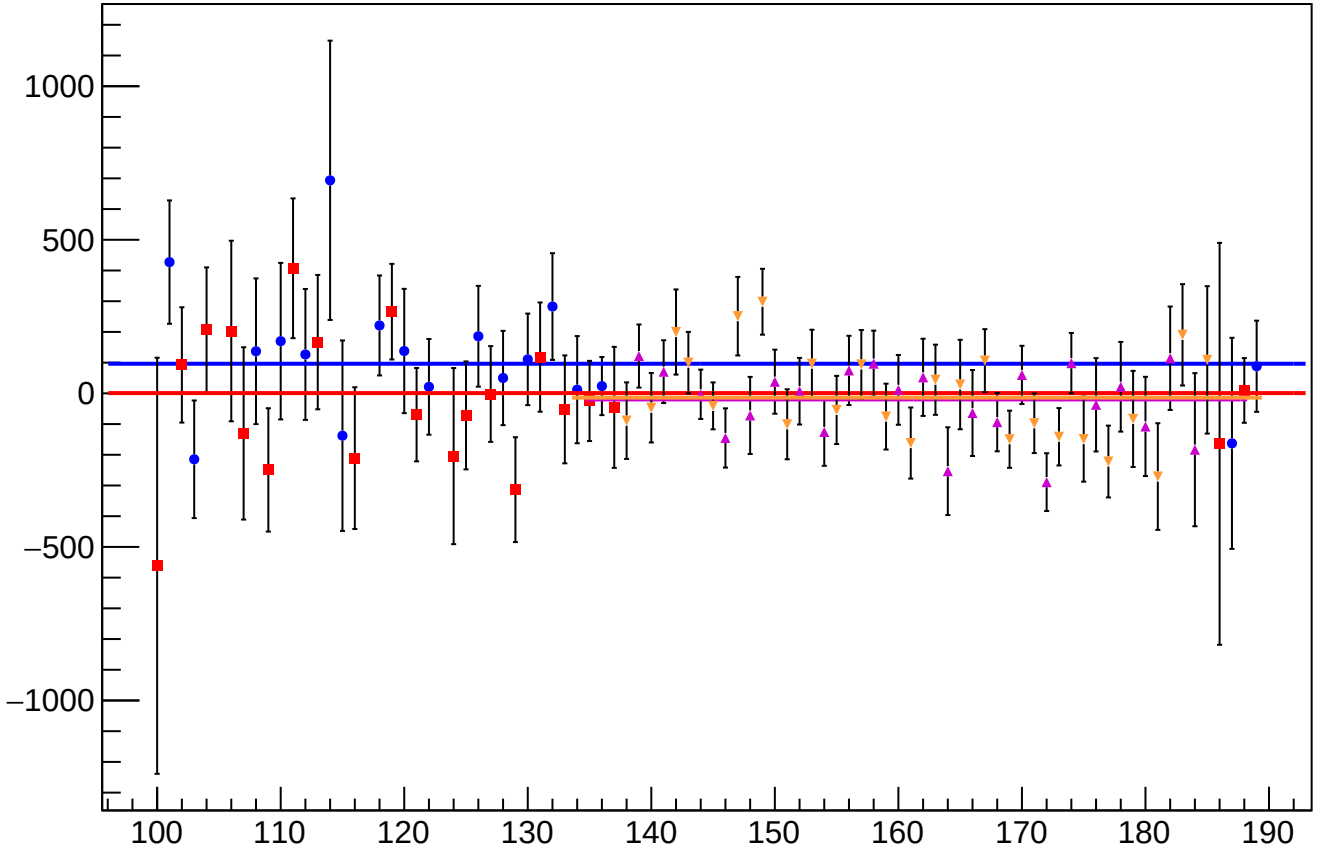
Right: 708.512+/-0.128 χ^2/NDF: 2628252.0/38

In: 523.331+/-0.074 χ^2/NDF:2756371.9/40

Out: 524.410+/-0.073 χ^2/NDF:3809470.5/45

All: 523.883+/-0.052 χ^2/NDF: 6565949.8/86

dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 96.422+/-41.447 χ^2/NDF: 11.6/17

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 0.881+/-40.549 χ^2/NDF: 16.7/20

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

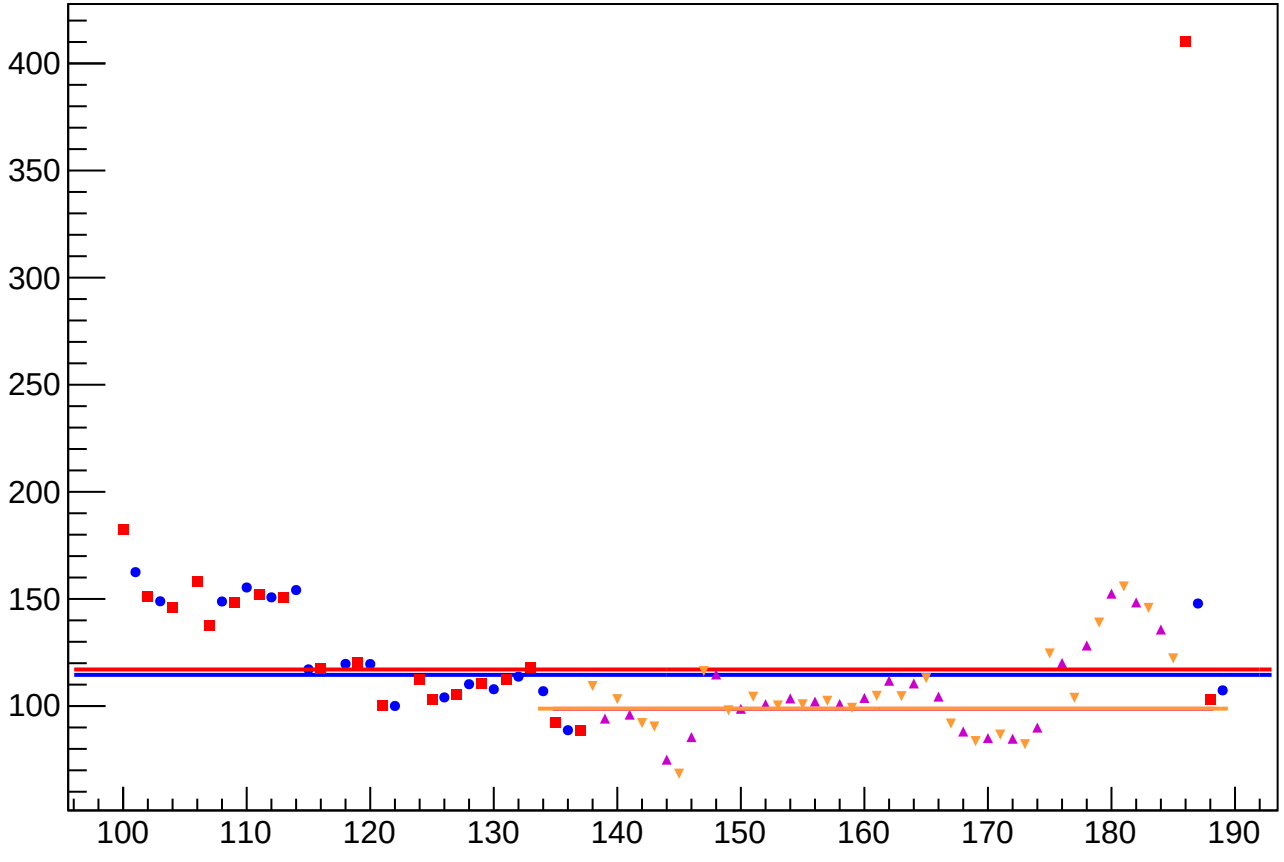
Right: 47.604+/-28.985 χ^2/NDF: 31.0/38

In: 8.599+/-20.490 χ^2/NDF:40.8/40

Out: -10.325+/-19.951 χ^2/NDF:53.2/45

All: -1.115+/-14.294 χ^2/NDF: 94.4/86

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 114.566+/-0.029 χ^2/NDF: 555515.8/17

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 117.071+/-0.029 χ^2/NDF: 922543.4/20

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

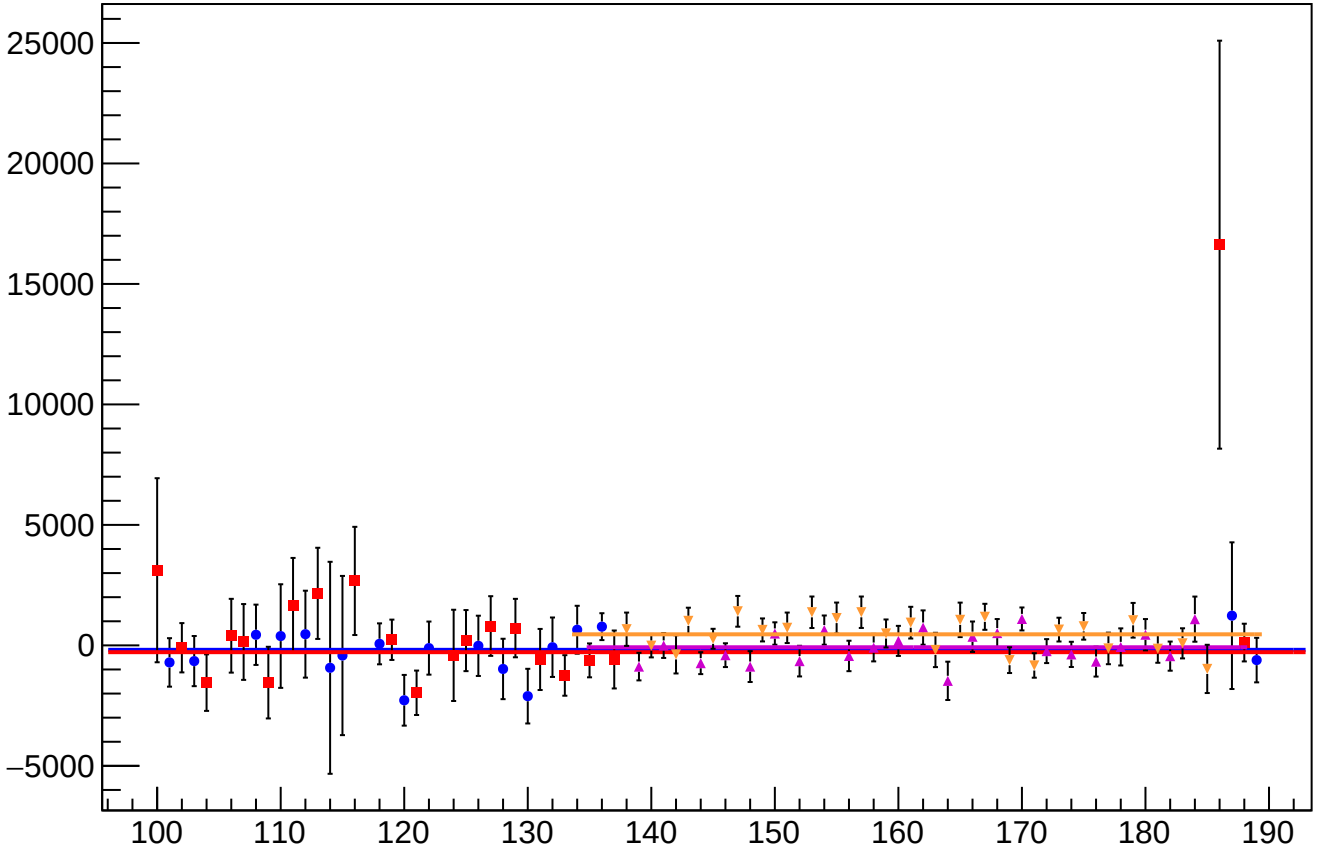
Right: 115.846+/-0.020 χ^2/NDF: 1481792.2/38

In: 102.557+/-0.014 χ^2/NDF:1765552.1/40

Out: 103.222+/-0.014 χ^2/NDF:2416176.8/45

All: 102.898+/-0.010 χ^2/NDF: 4182810.9/86

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -185.094+/-262.218 χ^2/NDF: 12.4/17

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -282.122+/-258.139 χ^2/NDF: 18.6/20

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

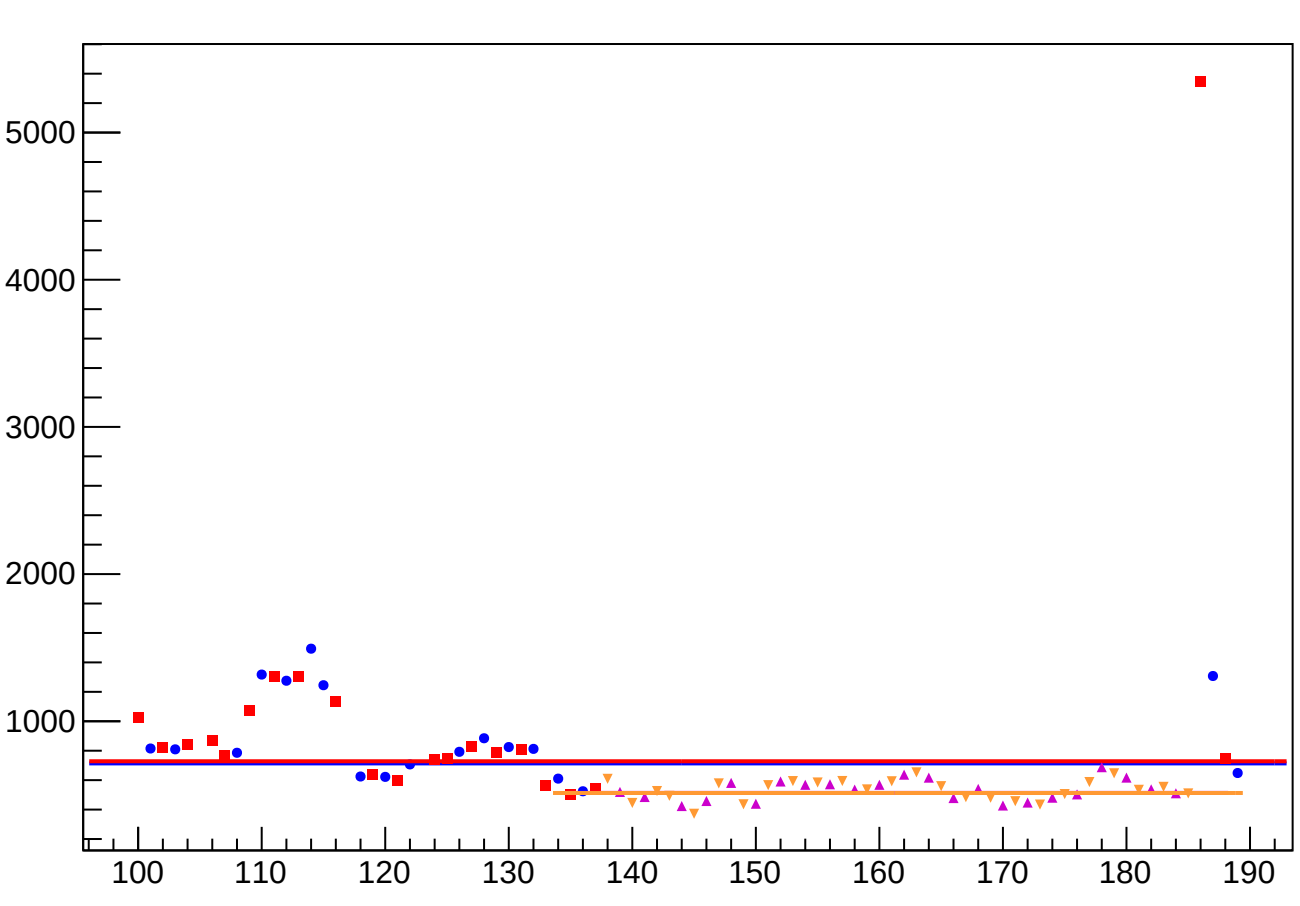
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -234.369+/-183.957 χ^2/NDF: 31.1/38

In: -97.564+/-110.193 χ^2/NDF:38.8/40

Out: 330.782+/-107.403 χ^2/NDF:56.2/45

All: 122.101+/-76.913 χ^2/NDF: 102.7/86



Right In: 713.746+/-0.185 χ^2/NDF: 962343.8/17

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 728.317+/-0.183 χ^2/NDF: 1616480.3/20

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

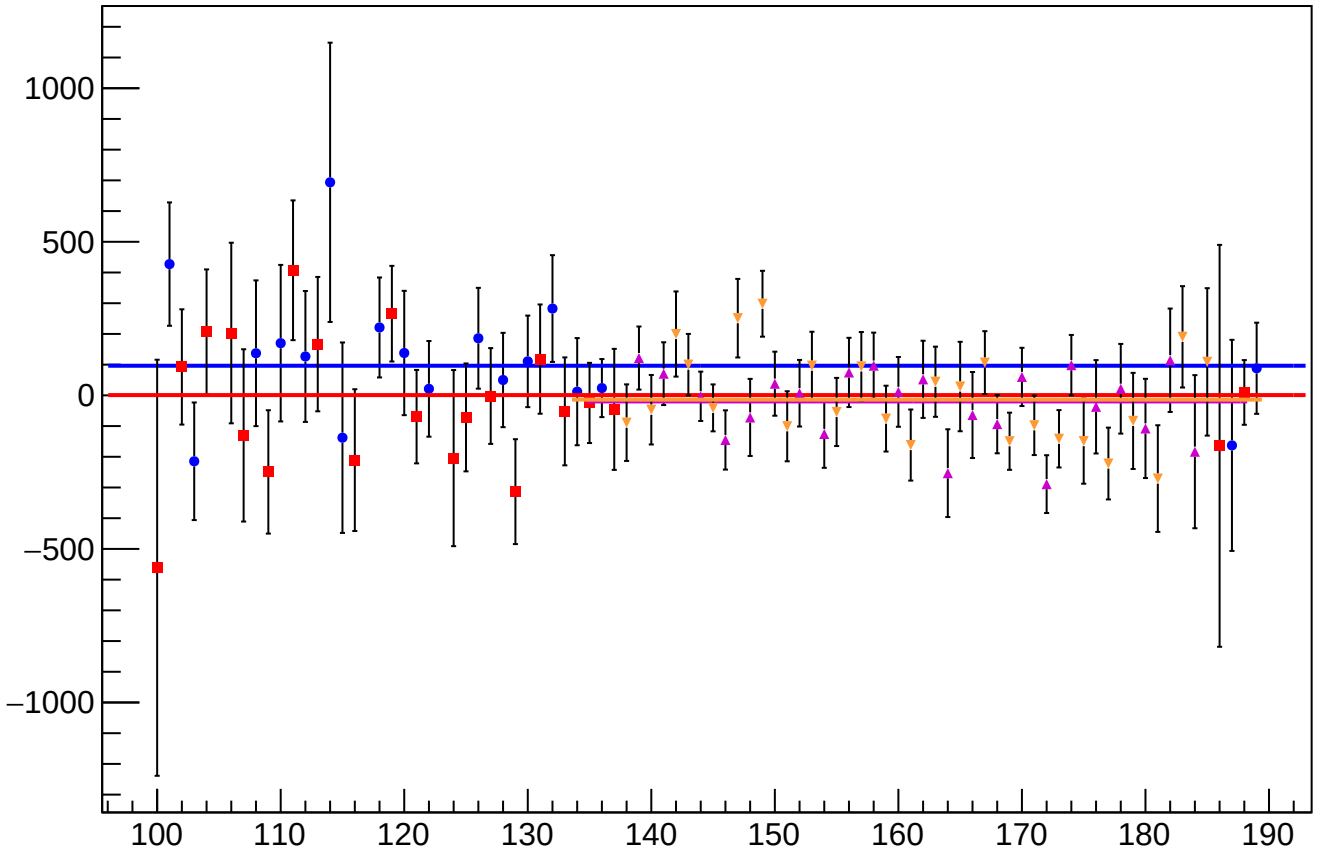
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 721.145+/-0.130 χ^2/NDF: 2581960.2/38

In: 548.760+/-0.078 χ^2/NDF:2557930.6/40

Out: 550.082+/-0.076 χ^2/NDF:3568798.2/45

All: 549.438+/-0.054 χ^2/NDF: 6126876.5/86



Right In: 96.420+/-41.447 χ^2/NDF: 11.6/17

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 0.880+/-40.549 χ^2/NDF: 16.7/20

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

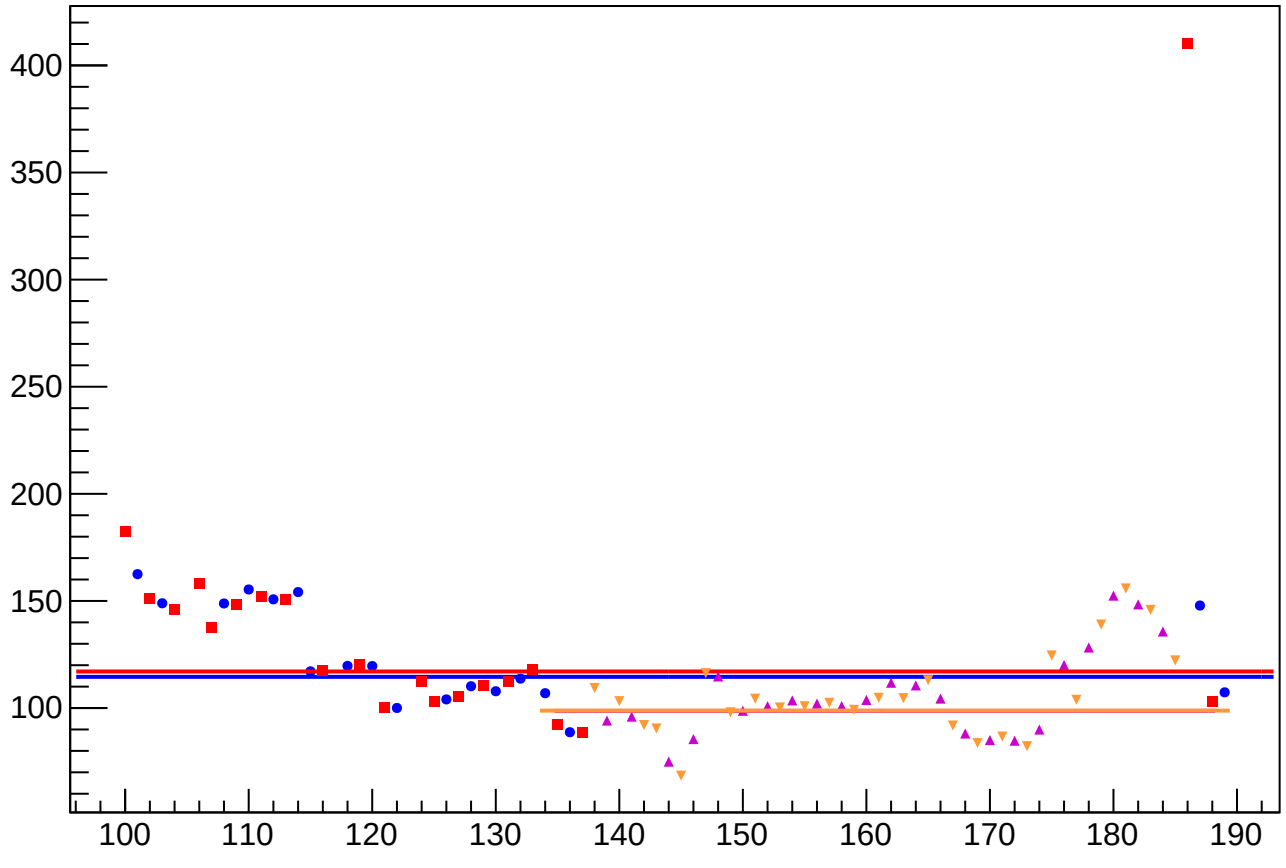
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 47.603+/-28.985 χ^2/NDF: 31.0/38

In: 8.598+/-20.490 χ^2/NDF:40.8/40

Out: -10.327+/-19.951 χ^2/NDF:53.2/45

All: -1.116+/-14.294 χ^2/NDF: 94.4/86



Right In: 114.567+/-0.029 χ^2/NDF: 555500.7/17

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 117.071+/-0.029 χ^2/NDF: 922531.7/20

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

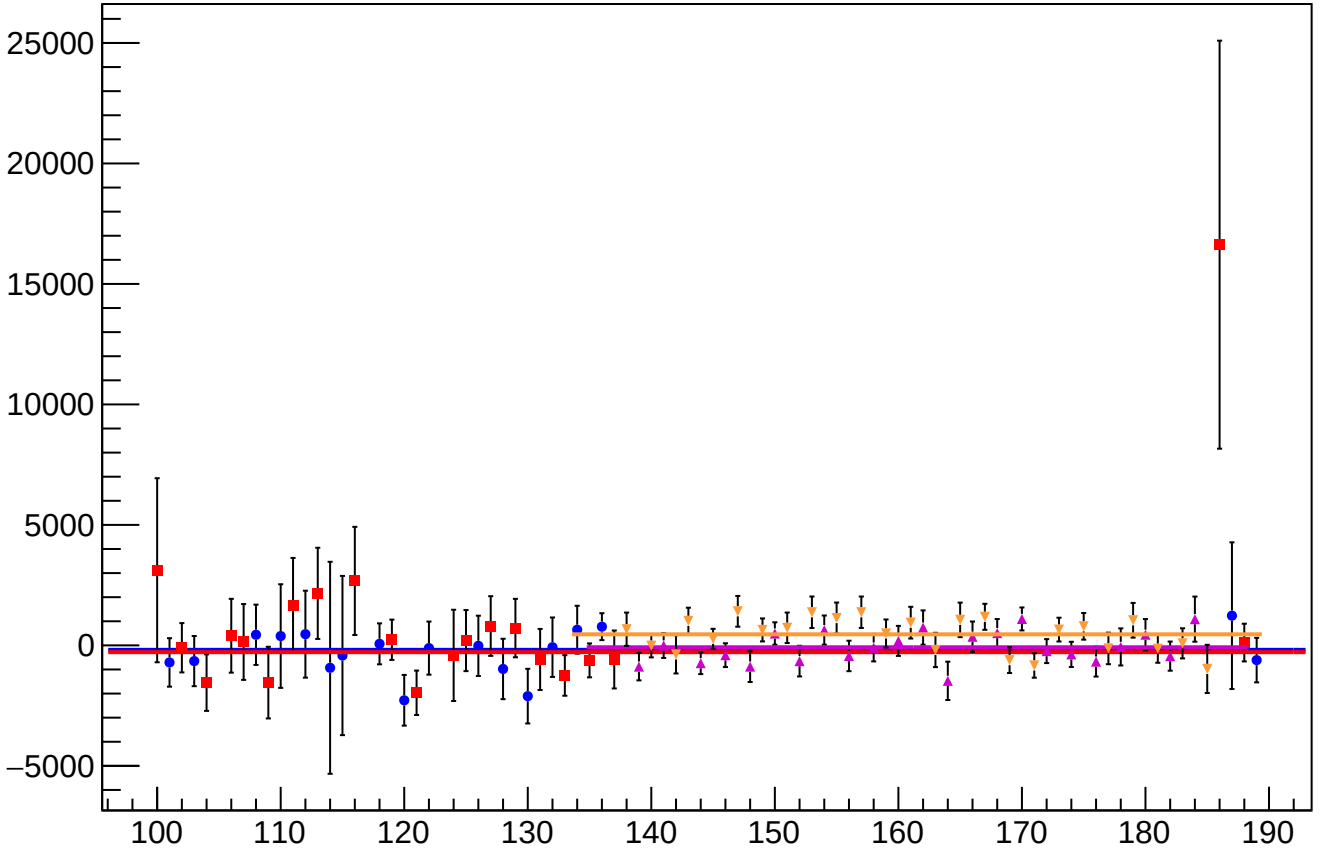
Right: 115.846+/-0.020 χ^2/NDF: 1481764.7/38

In: 102.557+/-0.014 χ^2/NDF:1765533.9/40

Out: 103.222+/-0.014 χ^2/NDF:2416170.7/45

All: 102.898+/-0.010 χ^2/NDF: 4182786.5/86

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -185.096+/-262.218 χ^2/NDF: 12.4/17

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -282.122+/-258.139 χ^2/NDF: 18.6/20

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

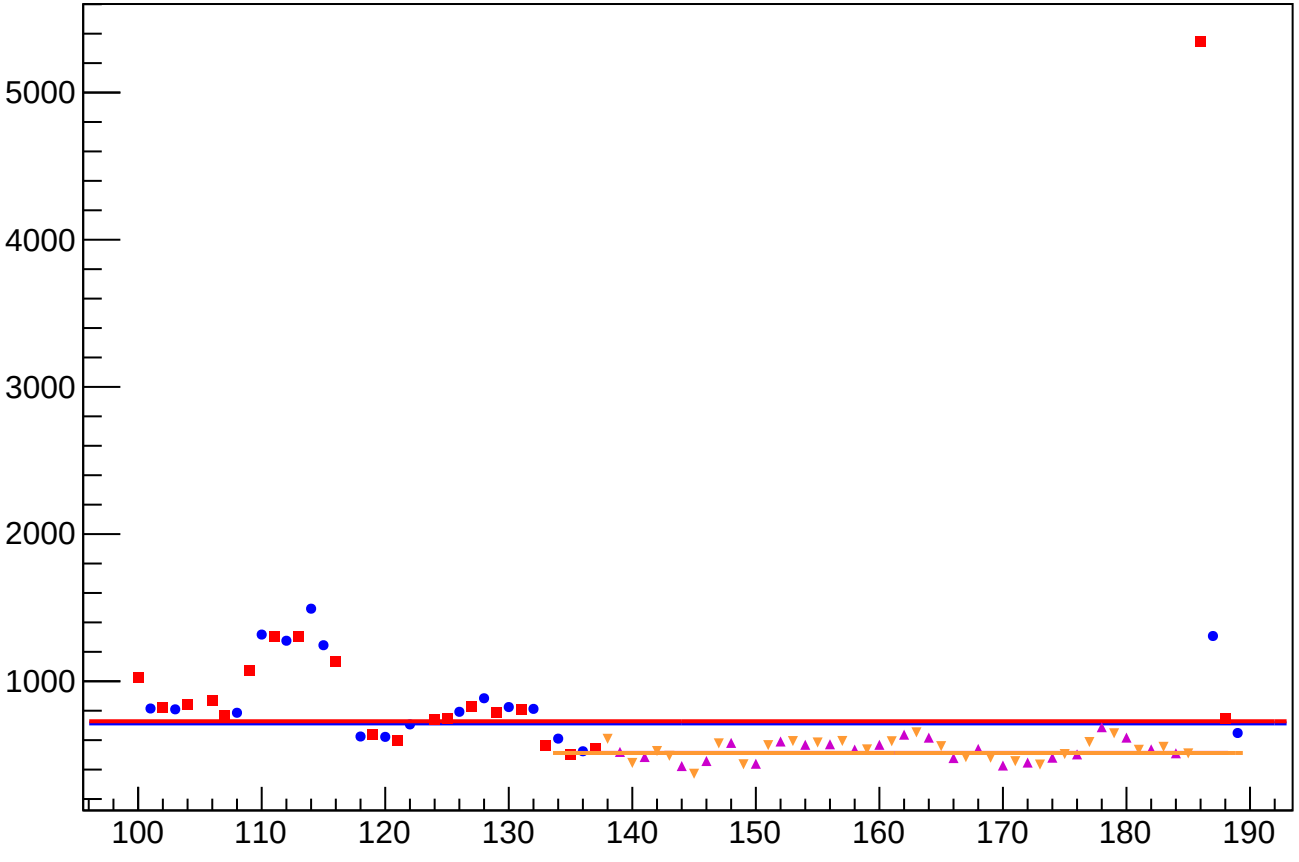
Right: -234.370+/-183.957 χ^2/NDF: 31.1/38

In: -97.564+/-110.193 χ^2/NDF:38.8/40

Out: 330.780+/-107.403 χ^2/NDF:56.2/45

All: 122.100+/-76.913 χ^2/NDF: 102.7/86

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 713.746+/-0.185 χ^2/NDF: 962338.9/17

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 728.316+/-0.183 χ^2/NDF: 1616473.0/20

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

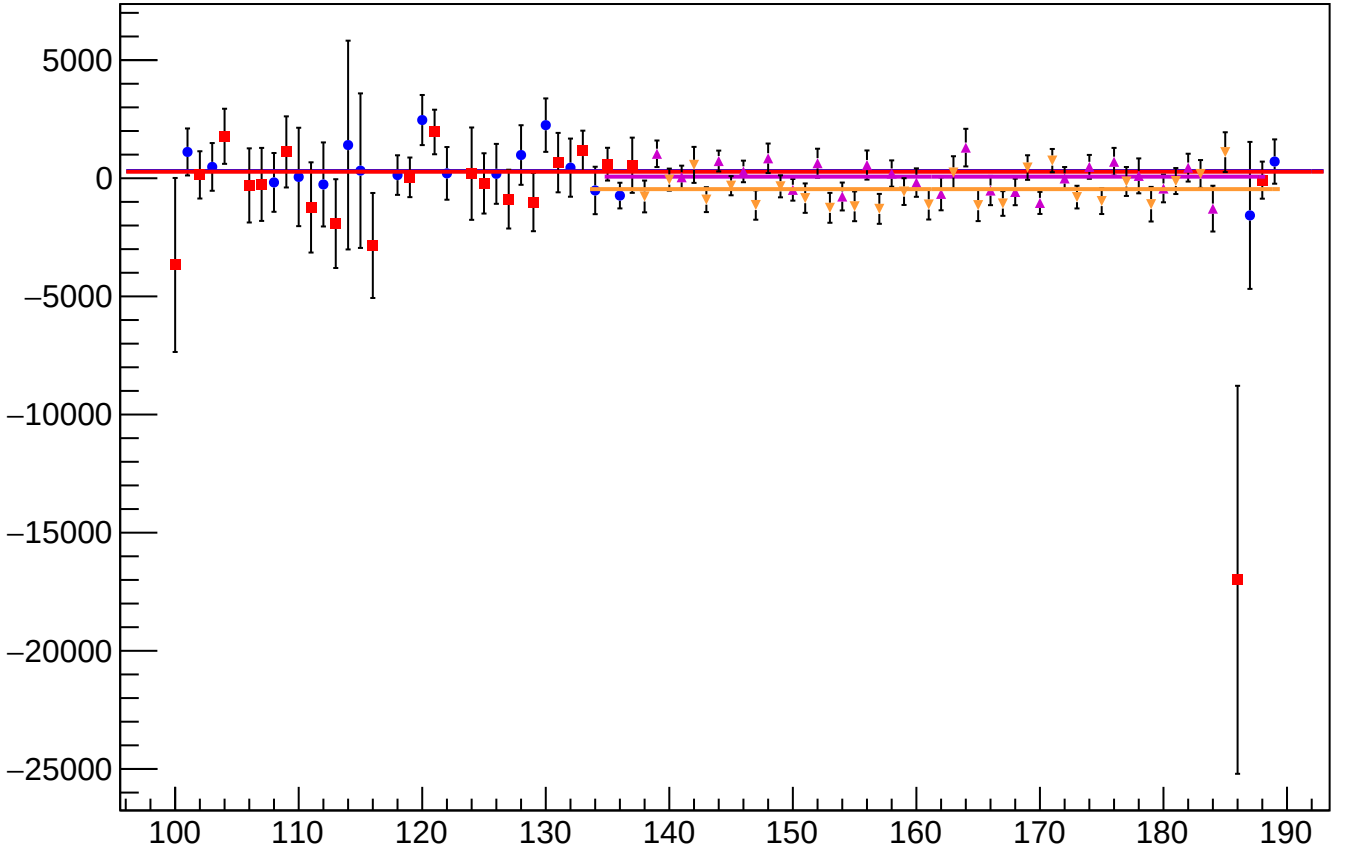
Right: 721.145+/-0.130 χ^2/NDF: 2581947.8/38

In: 548.760+/-0.078 χ^2/NDF:2557922.7/40

Out: 550.082+/-0.076 χ^2/NDF:3568787.3/45

All: 549.438+/-0.054 χ^2/NDF: 6126857.7/86

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 304.336+/-260.268 χ^2/NDF: 13.3/17

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 277.375+/-258.221 χ^2/NDF: 18.8/20

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

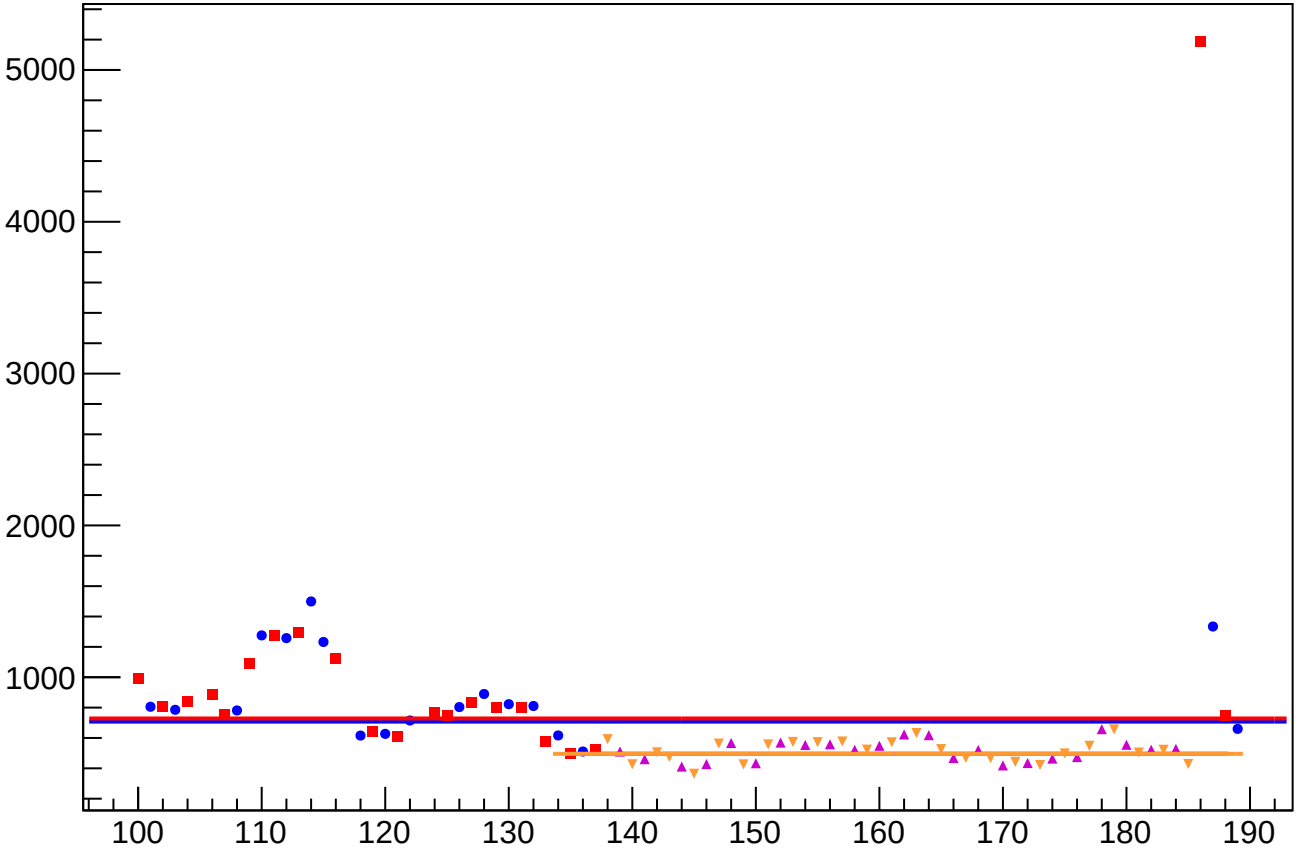
Right: 290.749+/-183.309 χ^2/NDF: 32.1/38

In: 107.973+/-106.991 χ^2/NDF:42.6/40

Out: -339.197+/-104.467 χ^2/NDF:56.4/45

All: -120.949+/-74.746 χ^2/NDF: 108.0/86

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.952+/-0.184 χ^2/NDF: 983025.0/17

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 728.345+/-0.183 χ^2/NDF: 1608147.1/20

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

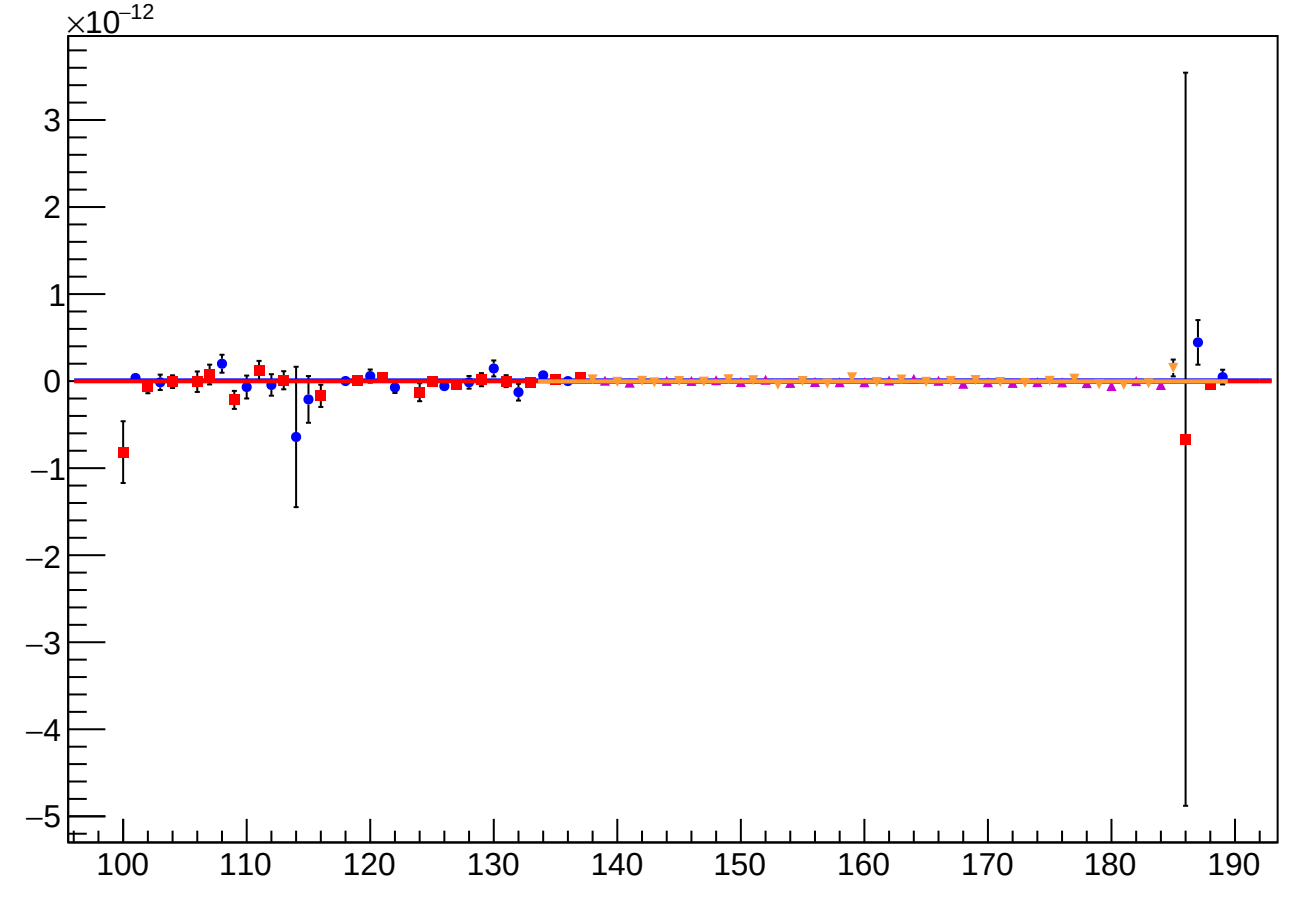
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 718.230+/-0.130 χ^2/NDF: 2597359.9/38

In: 532.072+/-0.076 χ^2/NDF:2704416.6/40

Out: 533.622+/-0.074 χ^2/NDF:3772707.7/45

All: 532.866+/-0.053 χ^2/NDF: 6477339.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

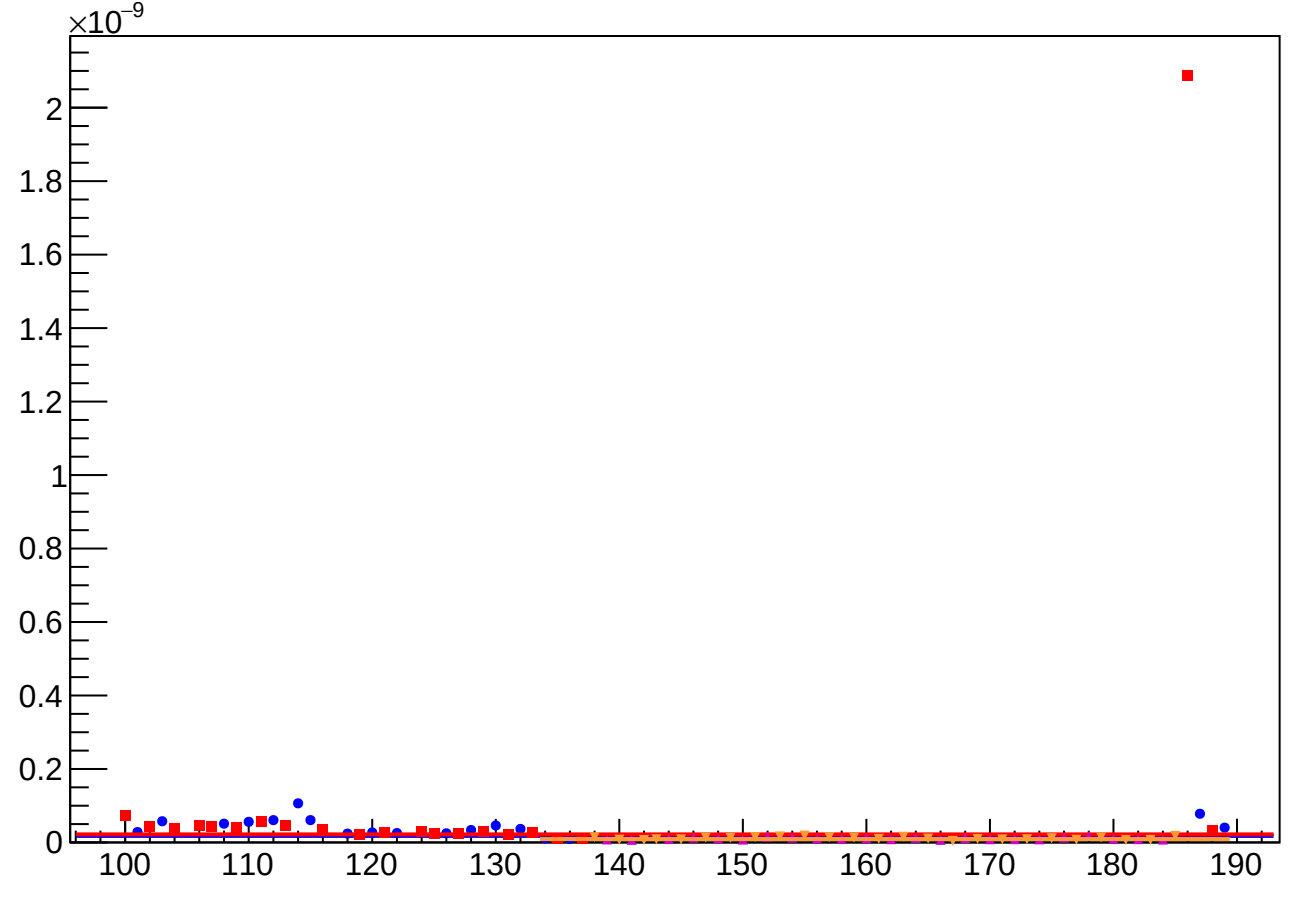
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: 0.000+/-0.000 χ^2/NDF: 39.2/38

In: -0.000+/-0.000 χ^2/NDF:37.9/40

Out: -0.000+/-0.000 χ^2/NDF:43.4/45

All: -0.000+/-0.000 χ^2/NDF: 82.0/86



Right In: 0.000+/-0.000 χ^2/NDF: 2626042.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2233221.1/20

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

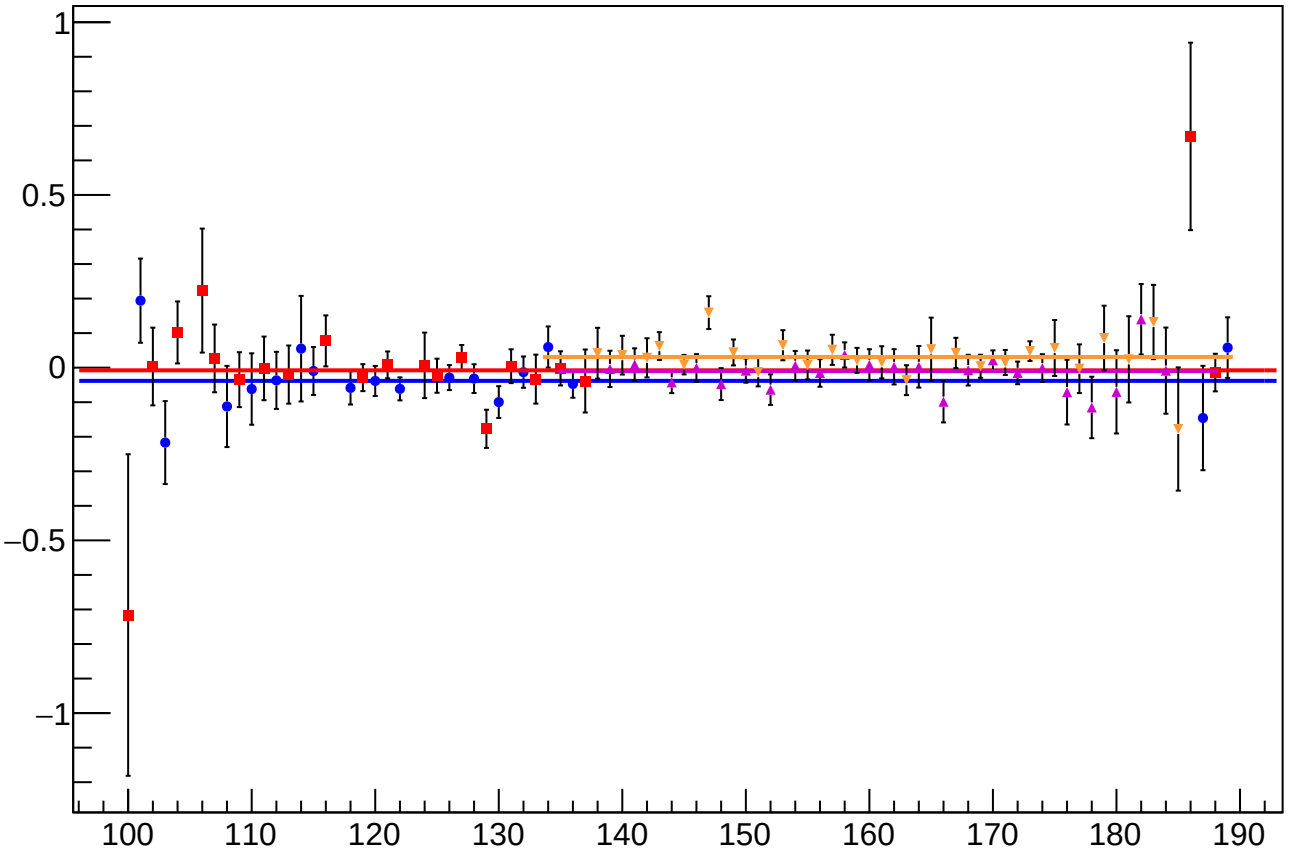
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4971080.2/38

In: 0.000+/-0.000 χ^2/NDF:4158146.3/40

Out: 0.000+/-0.000 χ^2/NDF:5847305.9/45

All: 0.000+/-0.000 χ^2/NDF: 10022367.6/86



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

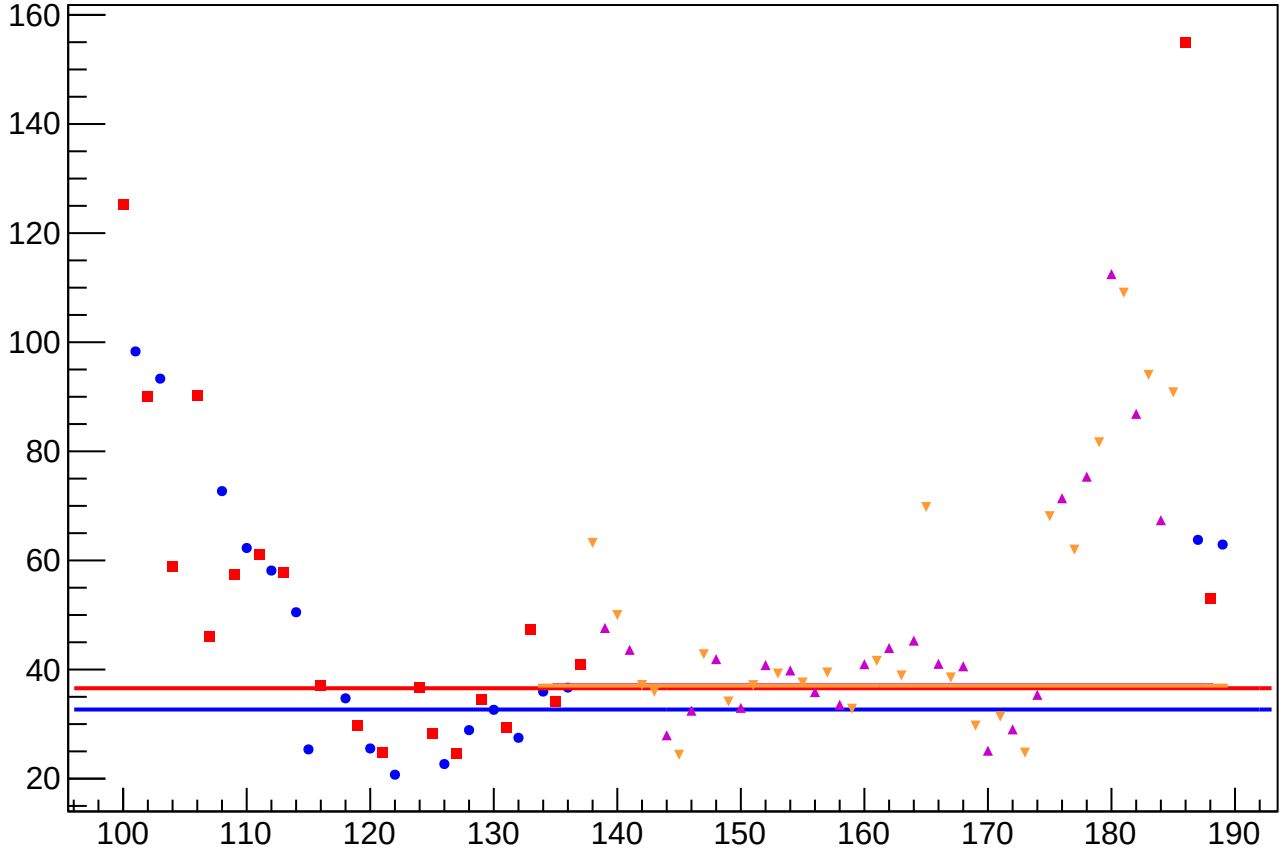
Right: -0.024+/-0.009 χ^2/NDF: 41.3/38

In: -0.020+/-0.008 χ^2/NDF:30.5/40

Out: 0.019+/-0.008 χ^2/NDF:47.9/45

All: -0.000+/-0.005 χ^2/NDF: 91.3/86

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.672+/-0.009 χ^2/NDF: 2584433.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 36.574+/-0.010 χ^2/NDF: 2427352.3/20

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

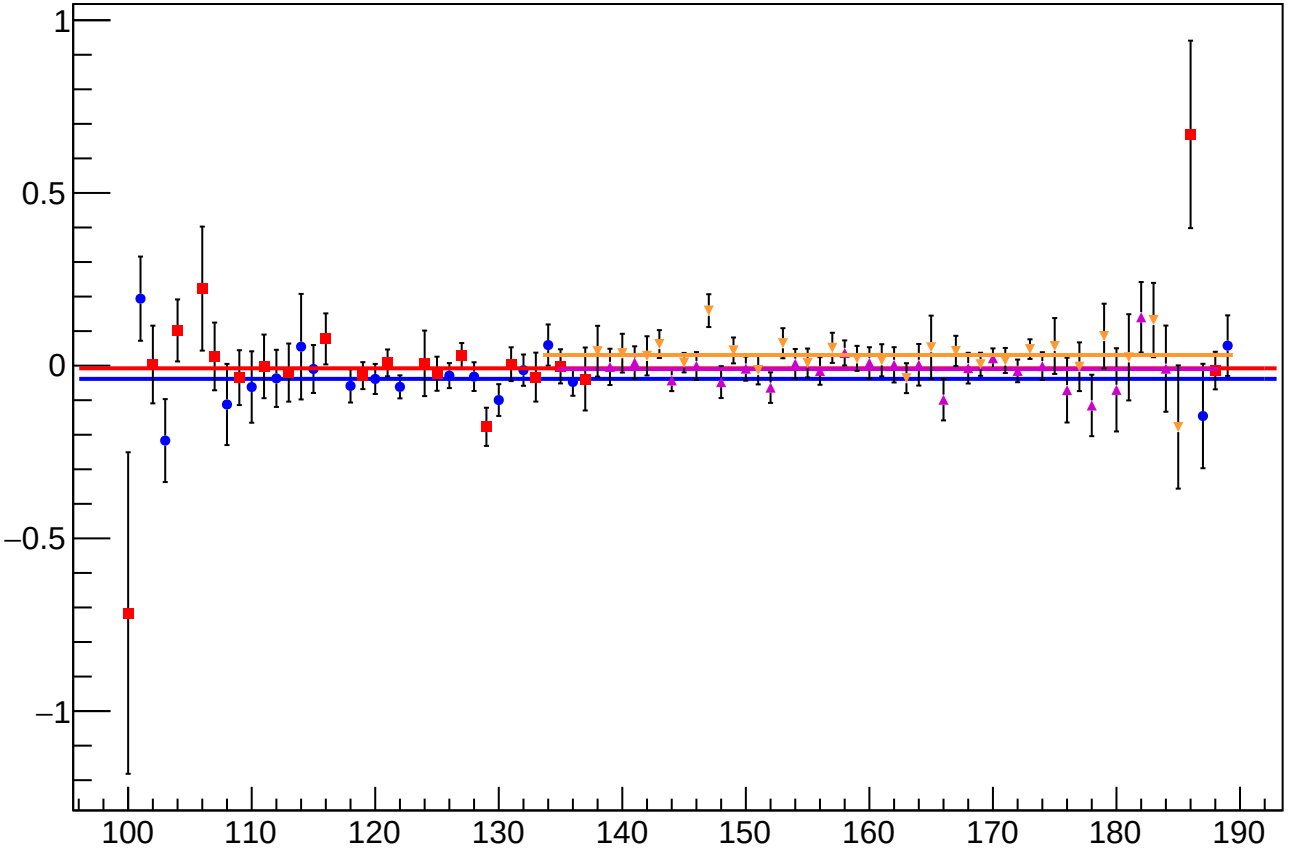
Right: 34.517+/-0.007 χ^2/NDF: 5097401.8/38

In: 35.598+/-0.005 χ^2/NDF:5752207.6/40

Out: 36.909+/-0.005 χ^2/NDF:6482798.0/45

All: 36.253+/-0.004 χ^2/NDF: 12264799.2/86

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

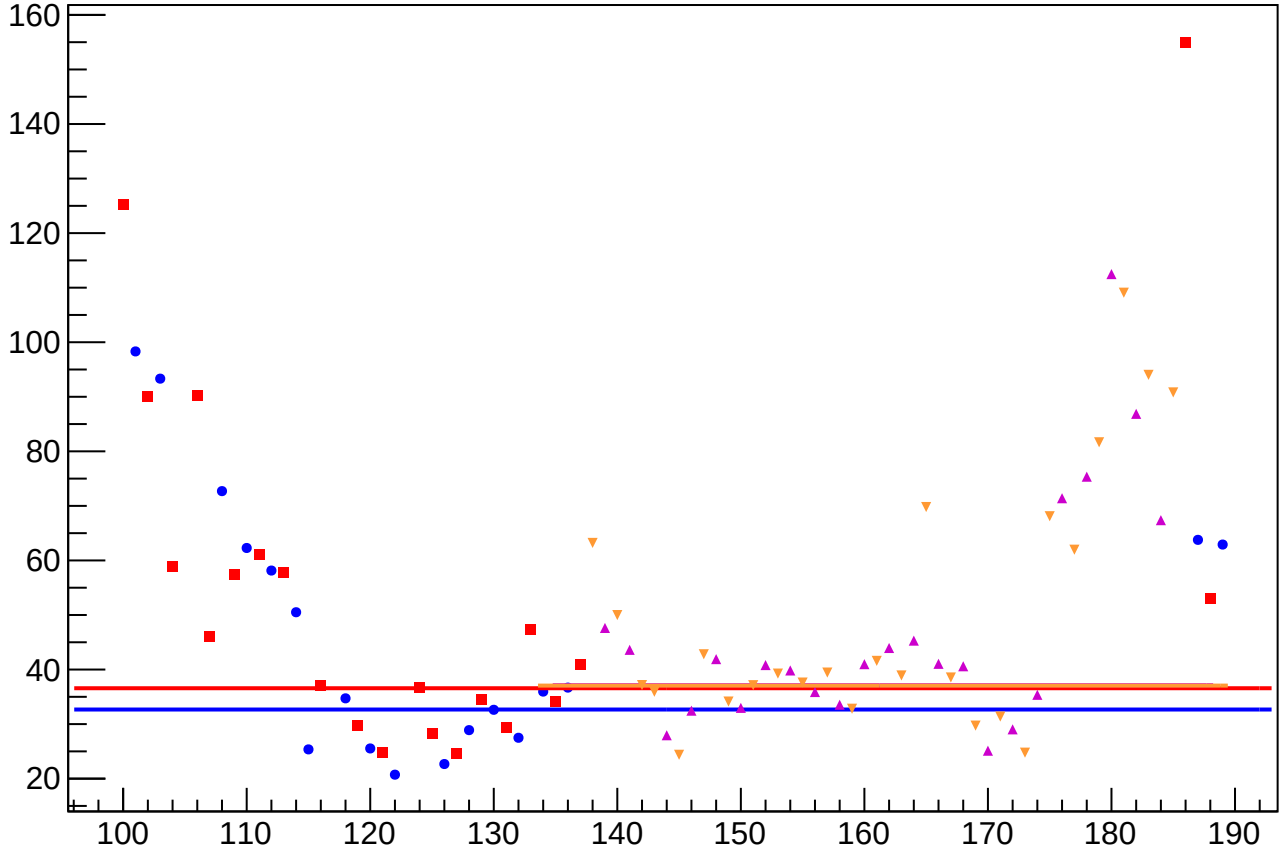
Right: -0.024+/-0.009 χ^2/NDF: 41.3/38

In: -0.020+/-0.008 χ^2/NDF:30.5/40

Out: 0.019+/-0.008 χ^2/NDF:47.9/45

All: -0.000+/-0.005 χ^2/NDF: 91.3/86

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.672+/-0.009 χ^2/NDF: 2584433.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 36.574+/-0.010 χ^2/NDF: 2427352.3/20

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

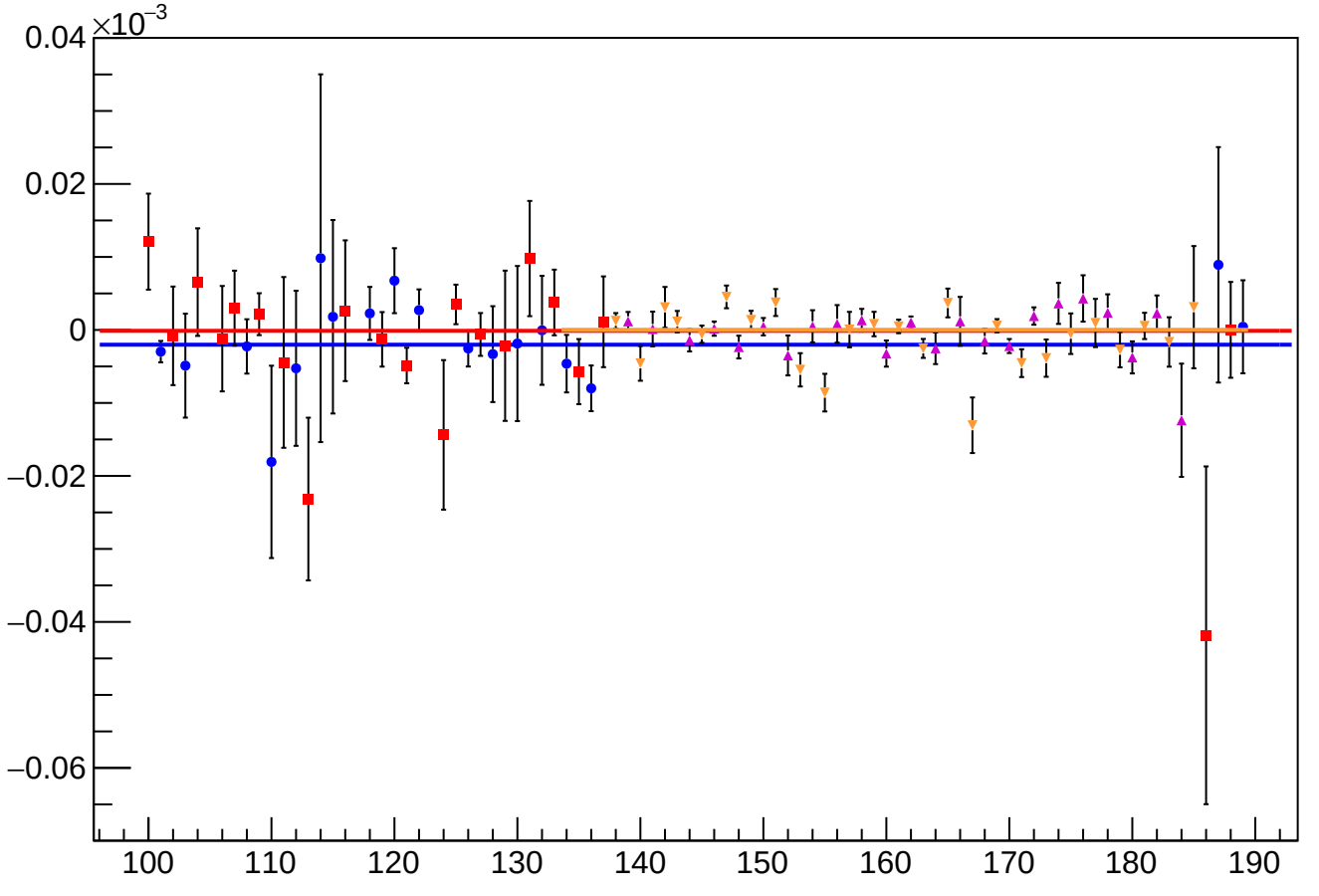
Right: 34.517+/-0.007 χ^2/NDF: 5097401.8/38

In: 35.598+/-0.005 χ^2/NDF:5752207.6/40

Out: 36.909+/-0.005 χ^2/NDF:6482798.0/45

All: 36.253+/-0.004 χ^2/NDF: 12264799.2/86

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/20

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

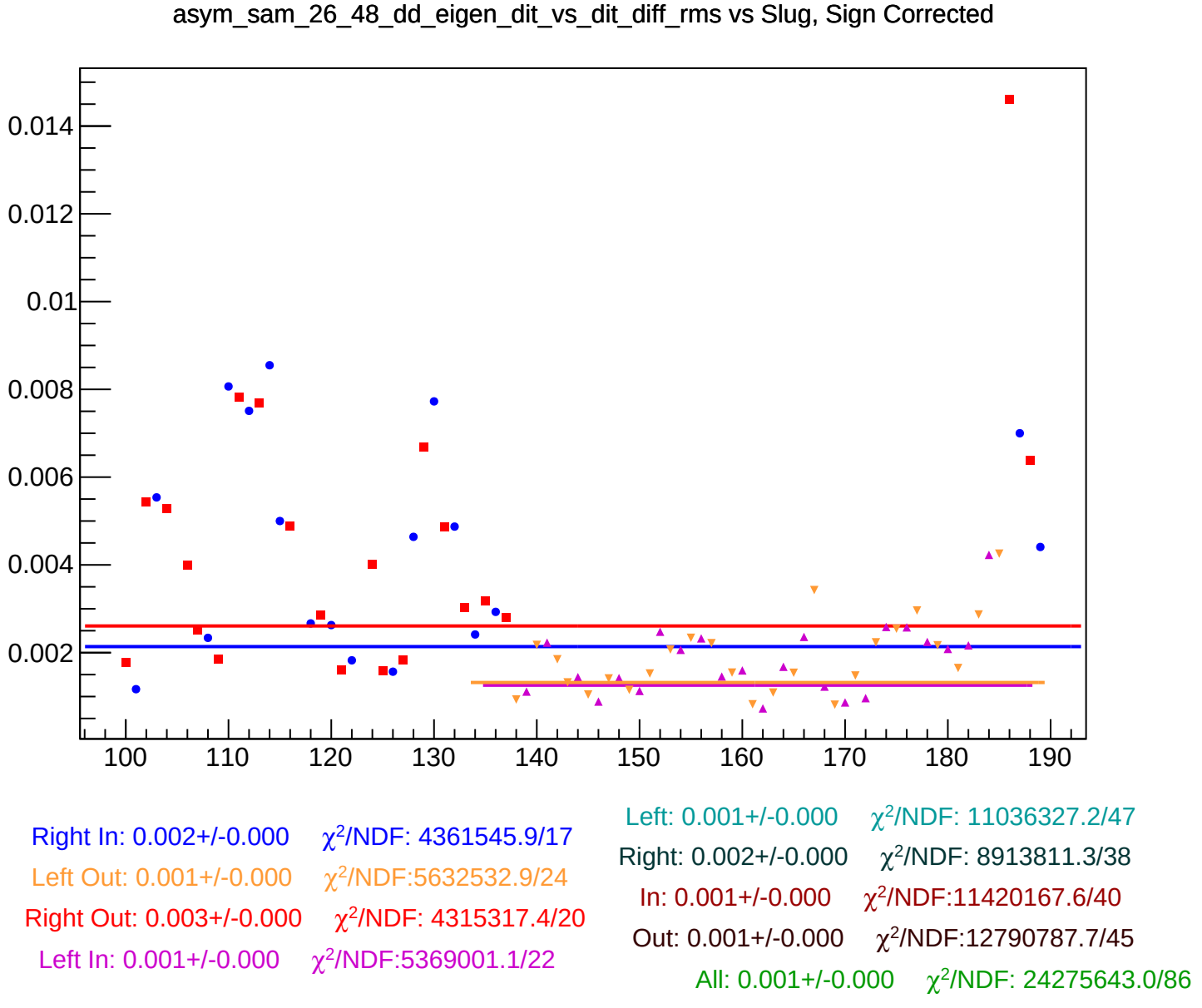
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: -0.000+/-0.000 χ^2/NDF: 41.9/38

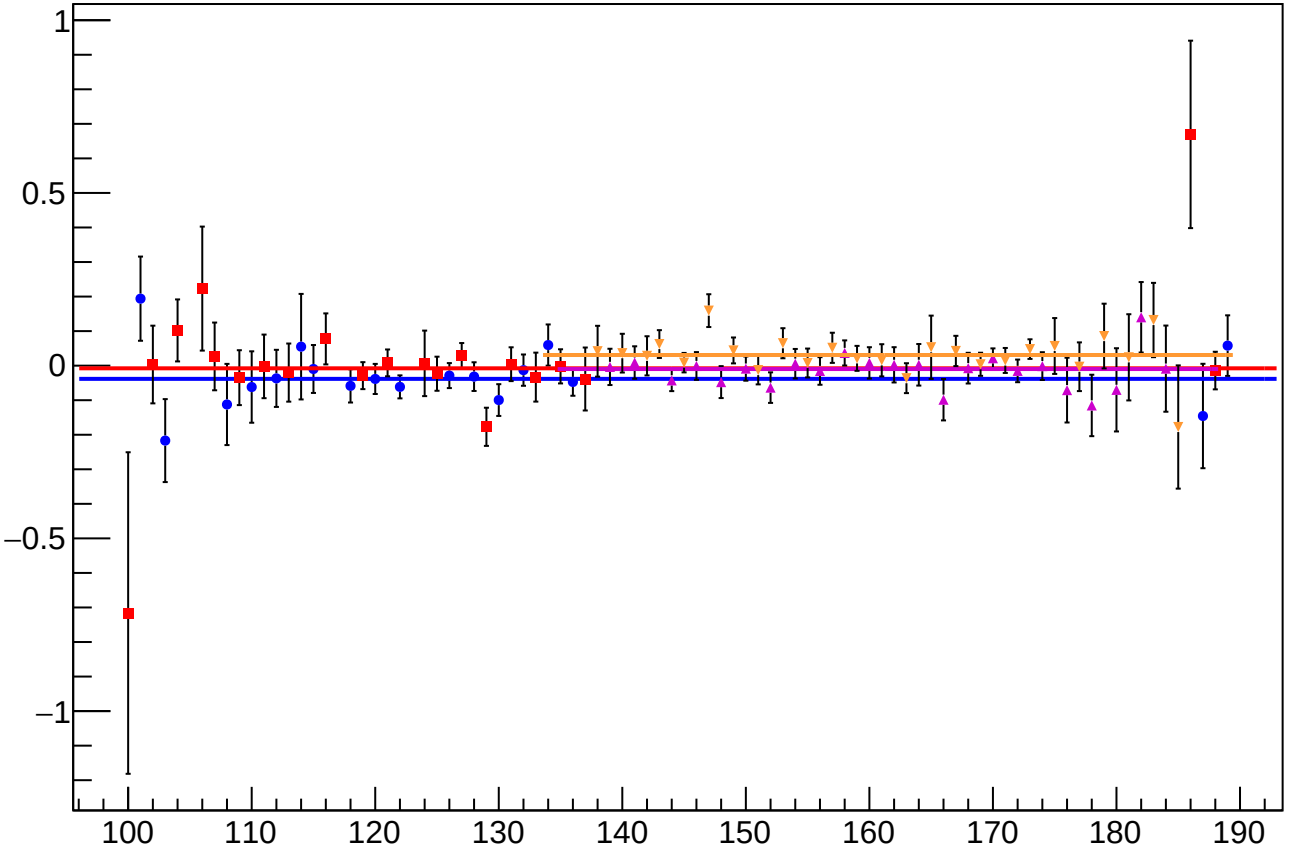
In: -0.000+/-0.000 χ^2/NDF:51.7/40

Out: 0.000+/-0.000 χ^2/NDF:92.3/45

All: -0.000+/-0.000 χ^2/NDF: 144.4/86


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 4361545.9/17
Left Out: 0.001+/-0.000 χ²/NDF:5632532.9/24
Right Out: 0.003+/-0.000 χ²/NDF: 4315317.4/20
Left In: 0.001+/-0.000 χ²/NDF:5369001.1/22
Left: 0.001+/-0.000 χ²/NDF: 11036327.2/47
Right: 0.002+/-0.000 χ²/NDF: 8913811.3/38
In: 0.001+/-0.000 χ²/NDF:11420167.6/40
Out: 0.001+/-0.000 χ²/NDF:12790787.7/45
All: 0.001+/-0.000 χ²/NDF: 24275643.0/86

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

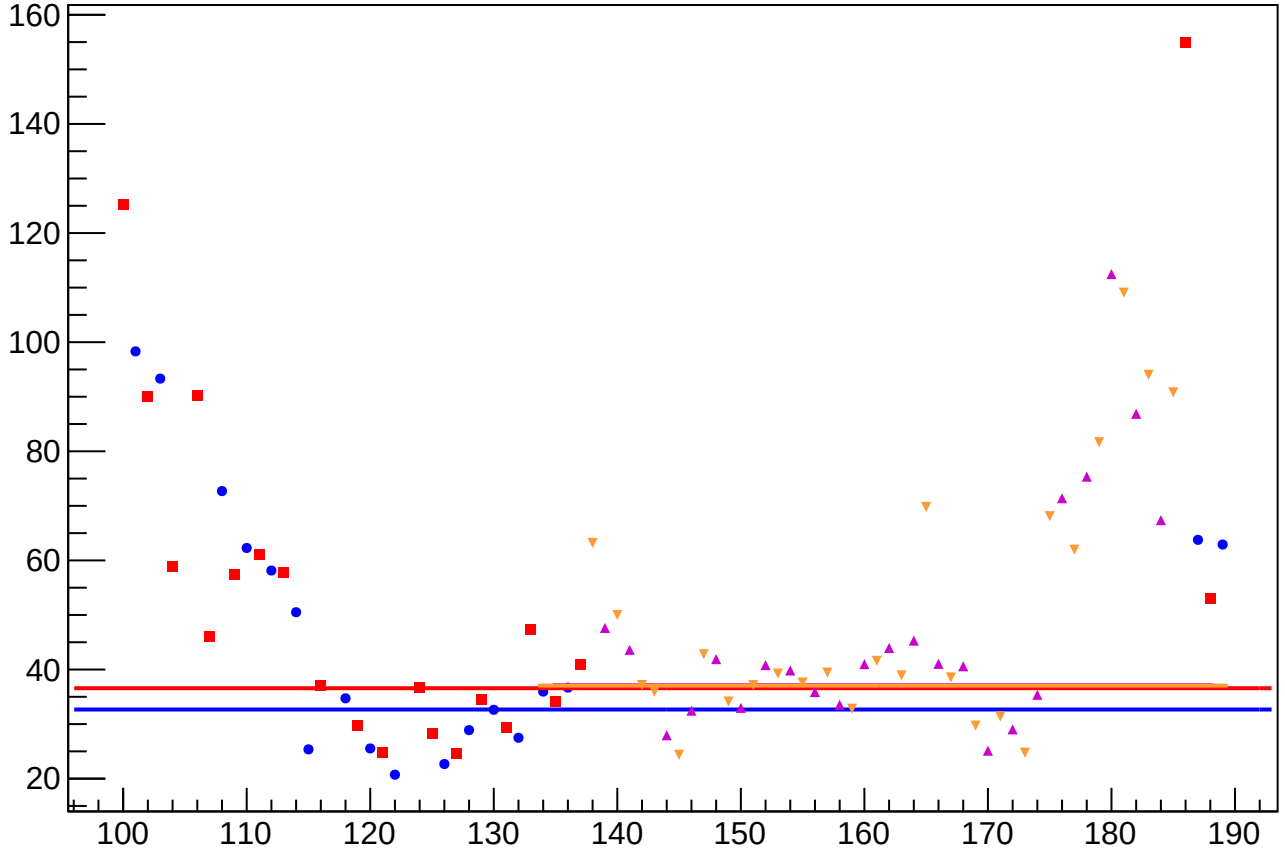
Right: -0.024+/-0.009 χ^2/NDF: 41.3/38

In: -0.020+/-0.008 χ^2/NDF:30.5/40

Out: 0.019+/-0.008 χ^2/NDF:47.8/45

All: -0.000+/-0.005 χ^2/NDF: 91.2/86

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.672+/-0.009 χ^2/NDF: 2584397.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 36.574+/-0.010 χ^2/NDF: 2427194.9/20

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

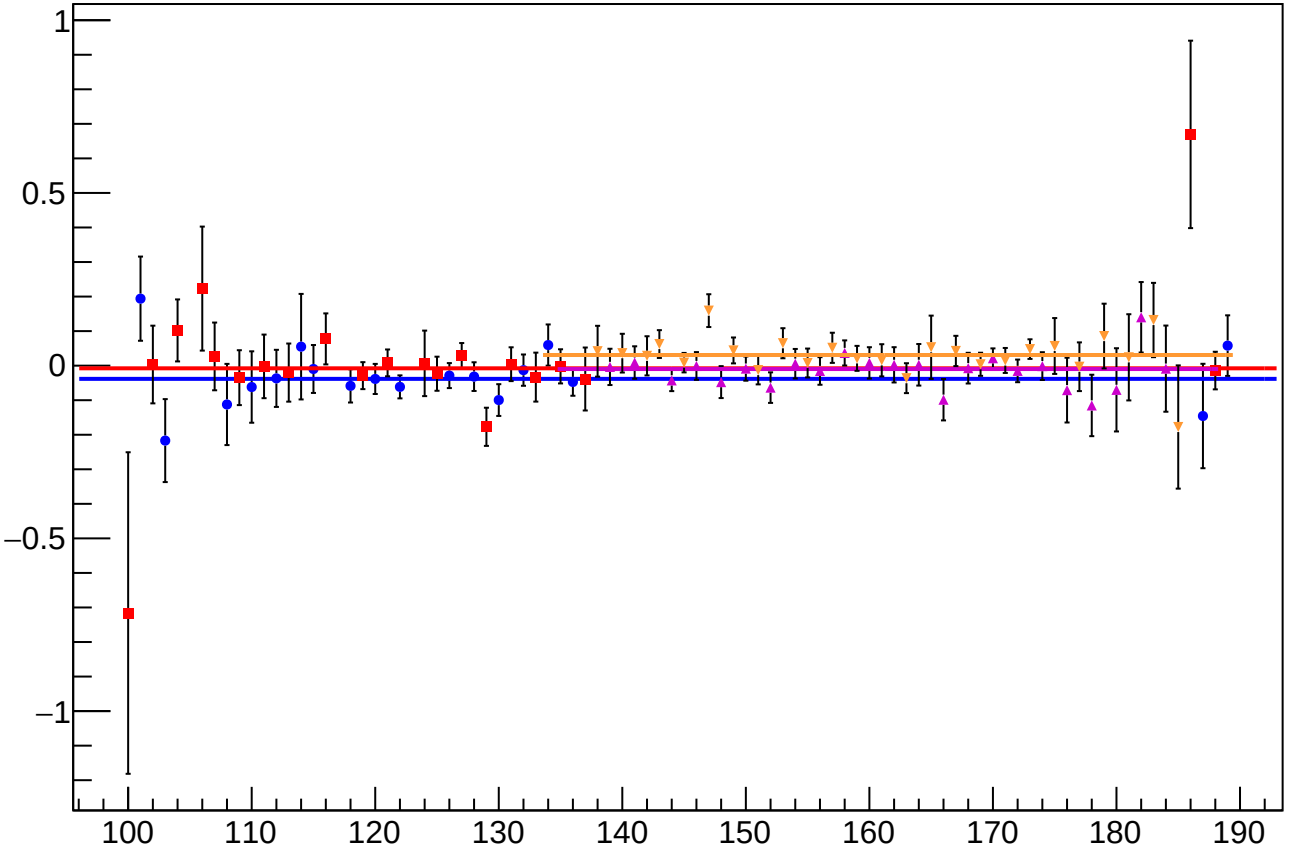
Right: 34.518+/-0.007 χ^2/NDF: 5097211.3/38

In: 35.598+/-0.005 χ^2/NDF:5752113.1/40

Out: 36.909+/-0.005 χ^2/NDF:6482646.1/45

All: 36.254+/-0.004 χ^2/NDF: 12264553.2/86

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.013 χ^2/NDF: 14.1/17

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

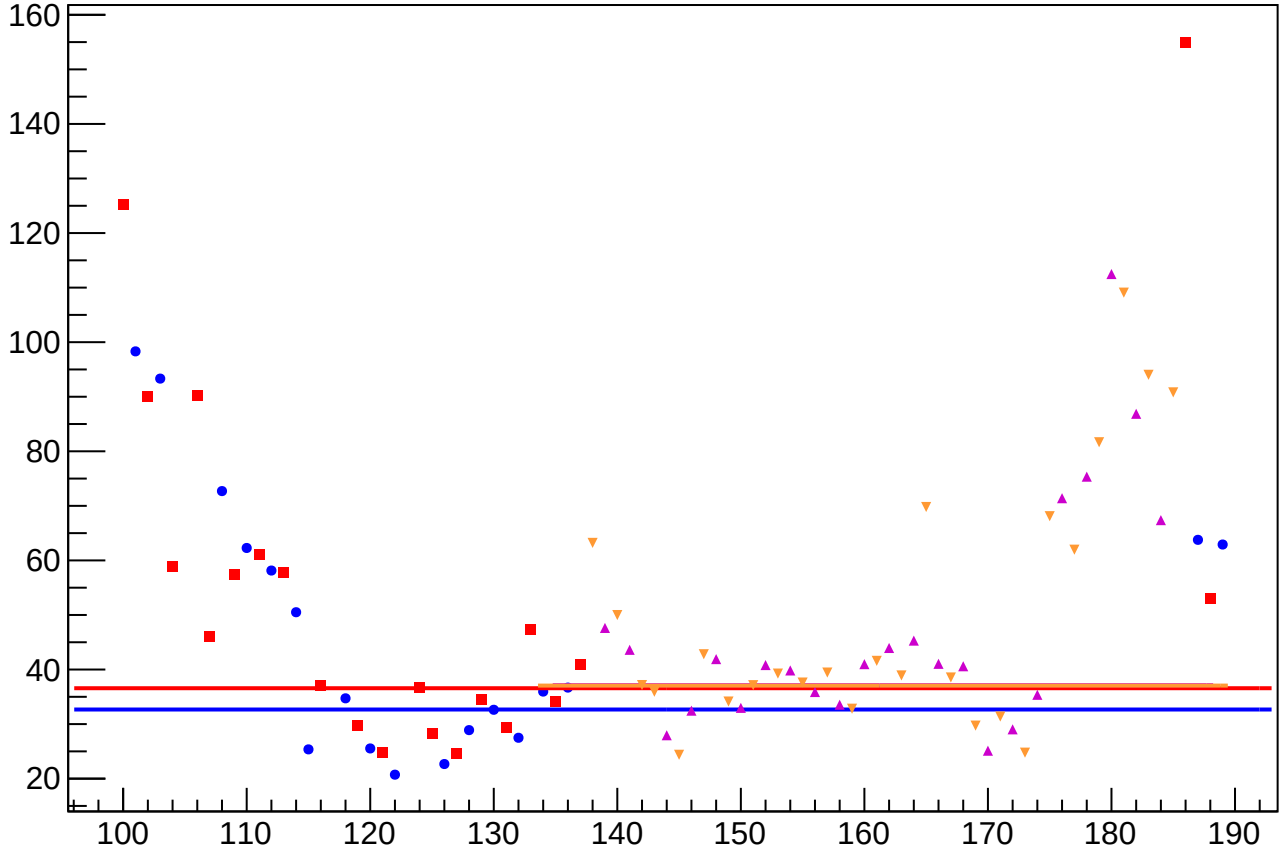
Right: -0.024+/-0.009 χ^2/NDF: 41.3/38

In: -0.020+/-0.008 χ^2/NDF:30.5/40

Out: 0.019+/-0.008 χ^2/NDF:47.8/45

All: -0.000+/-0.005 χ^2/NDF: 91.2/86

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.672+/-0.009 χ^2/NDF: 2584397.8/17

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 36.574+/-0.010 χ^2/NDF: 2427194.9/20

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

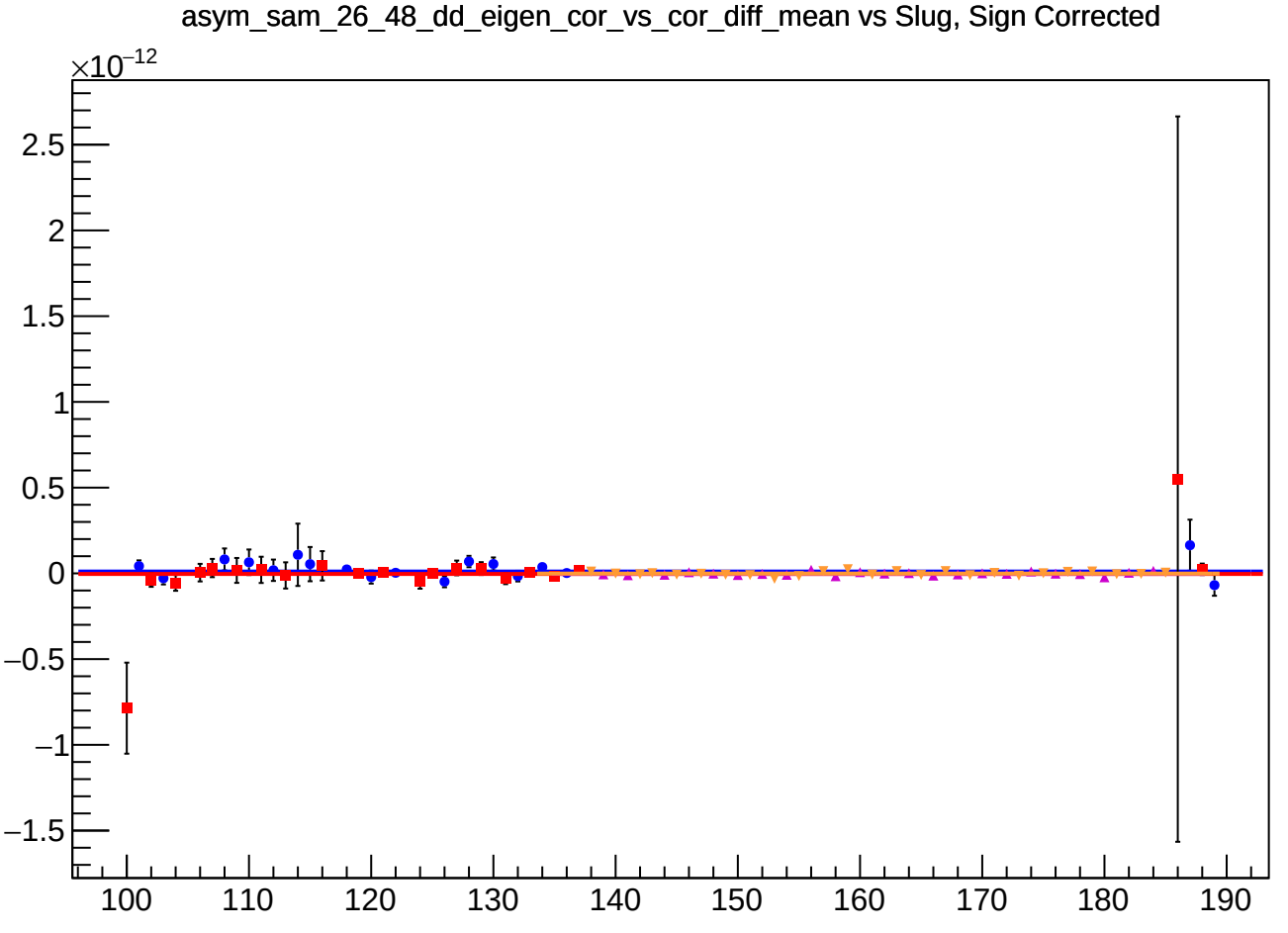
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 34.518+/-0.007 χ^2/NDF: 5097211.3/38

In: 35.598+/-0.005 χ^2/NDF:5752113.1/40

Out: 36.909+/-0.005 χ^2/NDF:6482646.1/45

All: 36.254+/-0.004 χ^2/NDF: 12264553.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/20

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

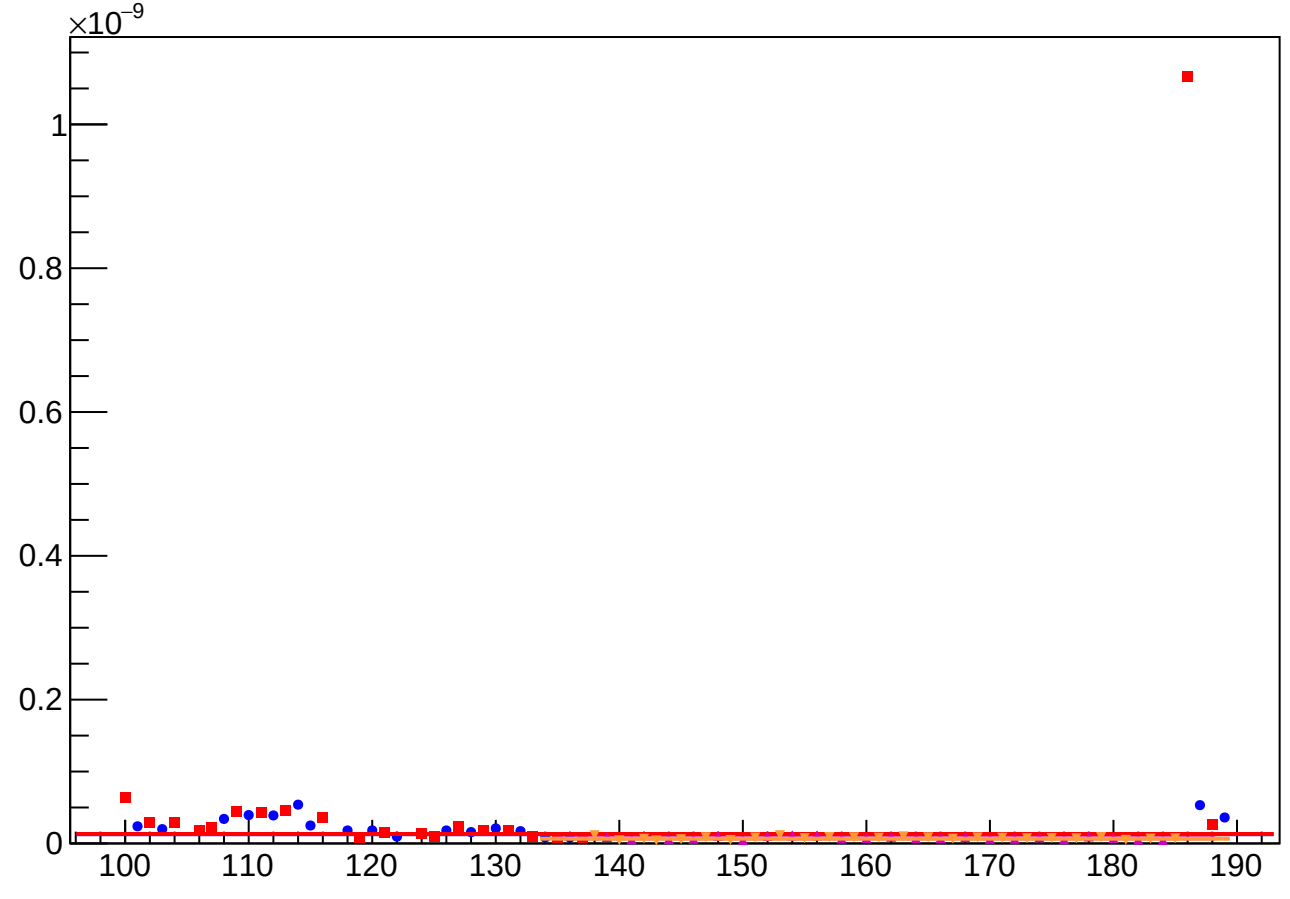
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 40.2/38

In: -0.000+/-0.000 χ^2/NDF:44.4/40

Out: -0.000+/-0.000 χ^2/NDF:44.3/45

All: -0.000+/-0.000 χ^2/NDF: 88.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 2598829.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3583158.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

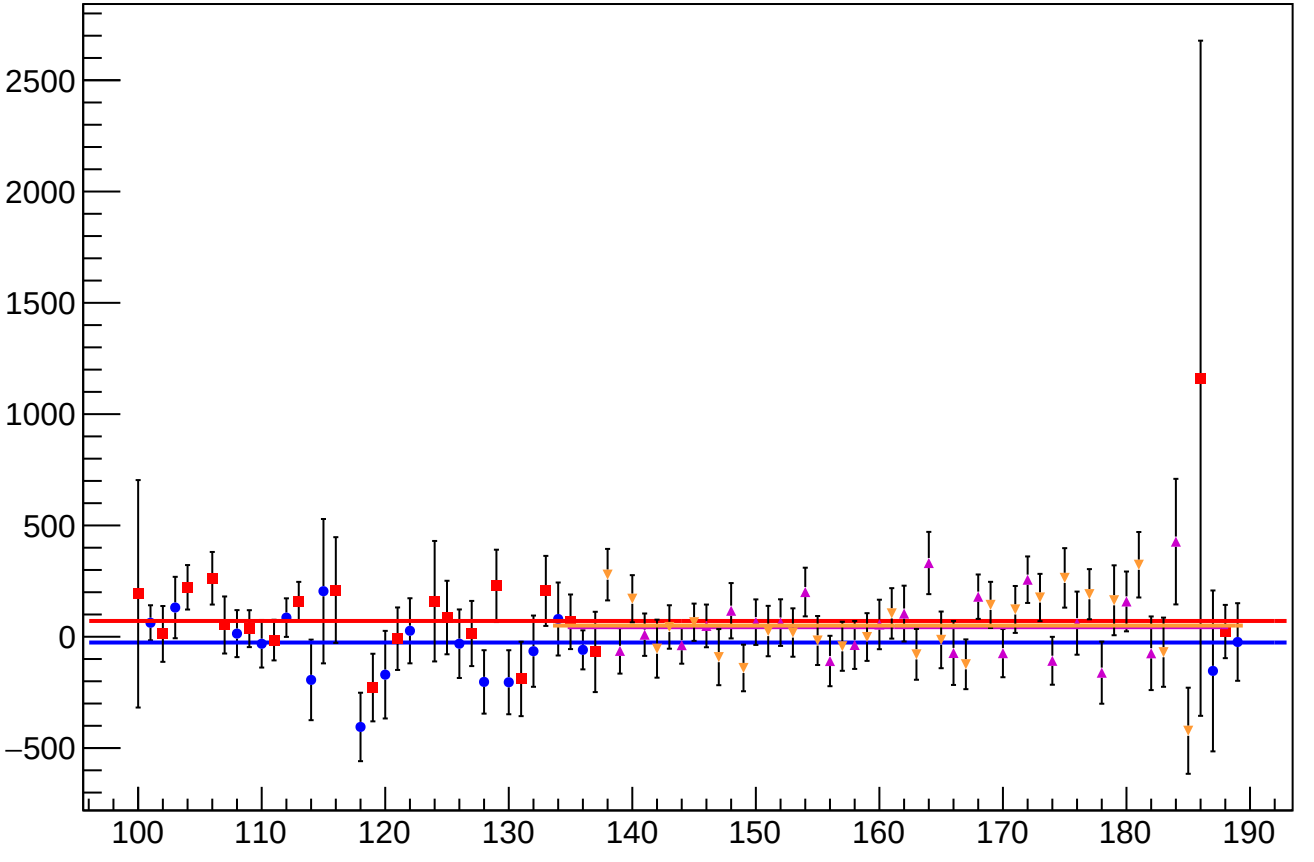
Right: 0.000+/-0.000 χ^2/NDF: 6183398.8/38

In: 0.000+/-0.000 χ^2/NDF:5518824.1/40

Out: 0.000+/-0.000 χ^2/NDF:7342519.9/45

All: 0.000+/-0.000 χ^2/NDF: 12915610.7/86

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -25.949+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 70.911+/-29.034 χ^2/NDF: 17.5/20

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

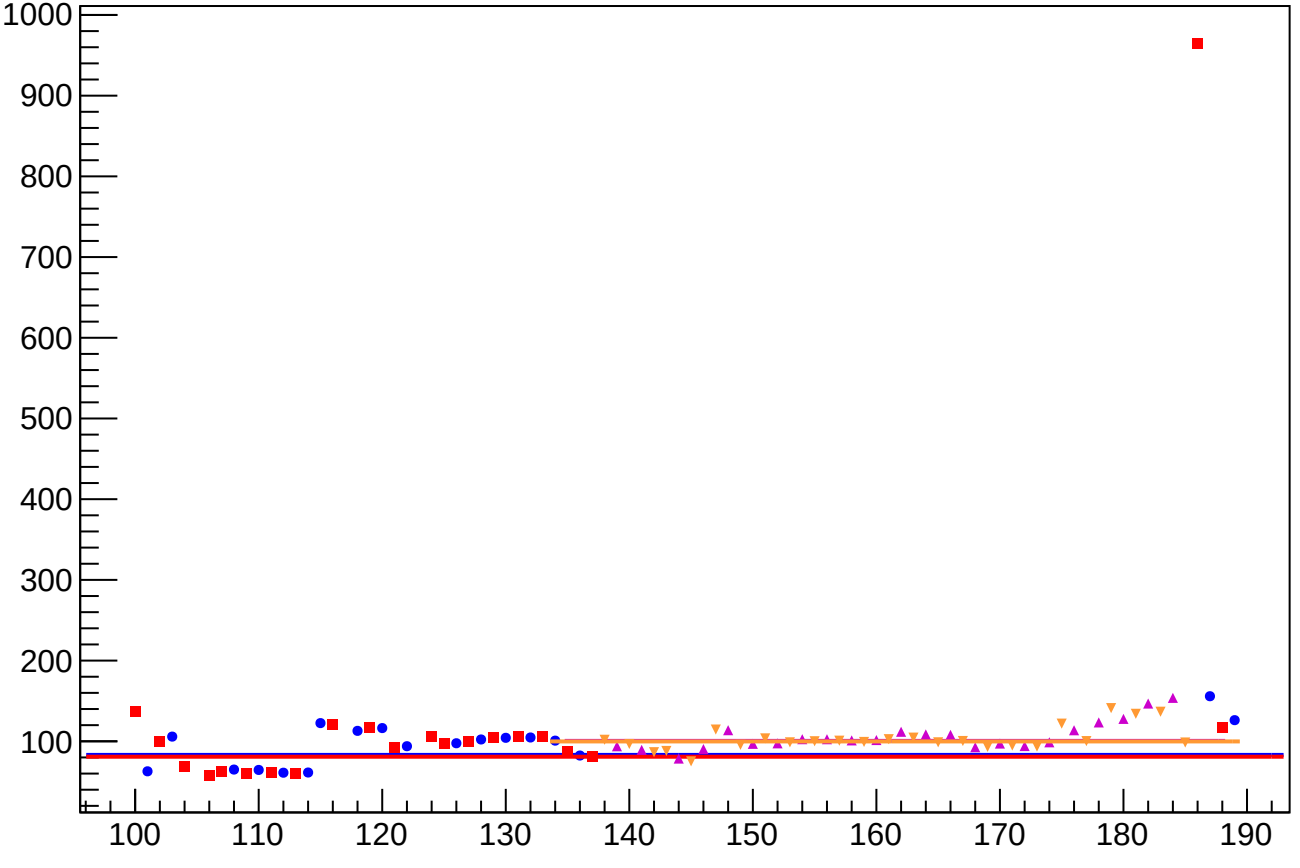
Right: 25.069+/-21.072 χ^2/NDF: 39.1/38

In: 17.116+/-18.773 χ^2/NDF:46.1/40

Out: 58.237+/-18.008 χ^2/NDF:51.2/45

All: 38.531+/-12.996 χ^2/NDF: 99.8/86

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 83.135+/-0.022 χ^2/NDF: 998341.3/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 80.898+/-0.021 χ^2/NDF: 1810295.1/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

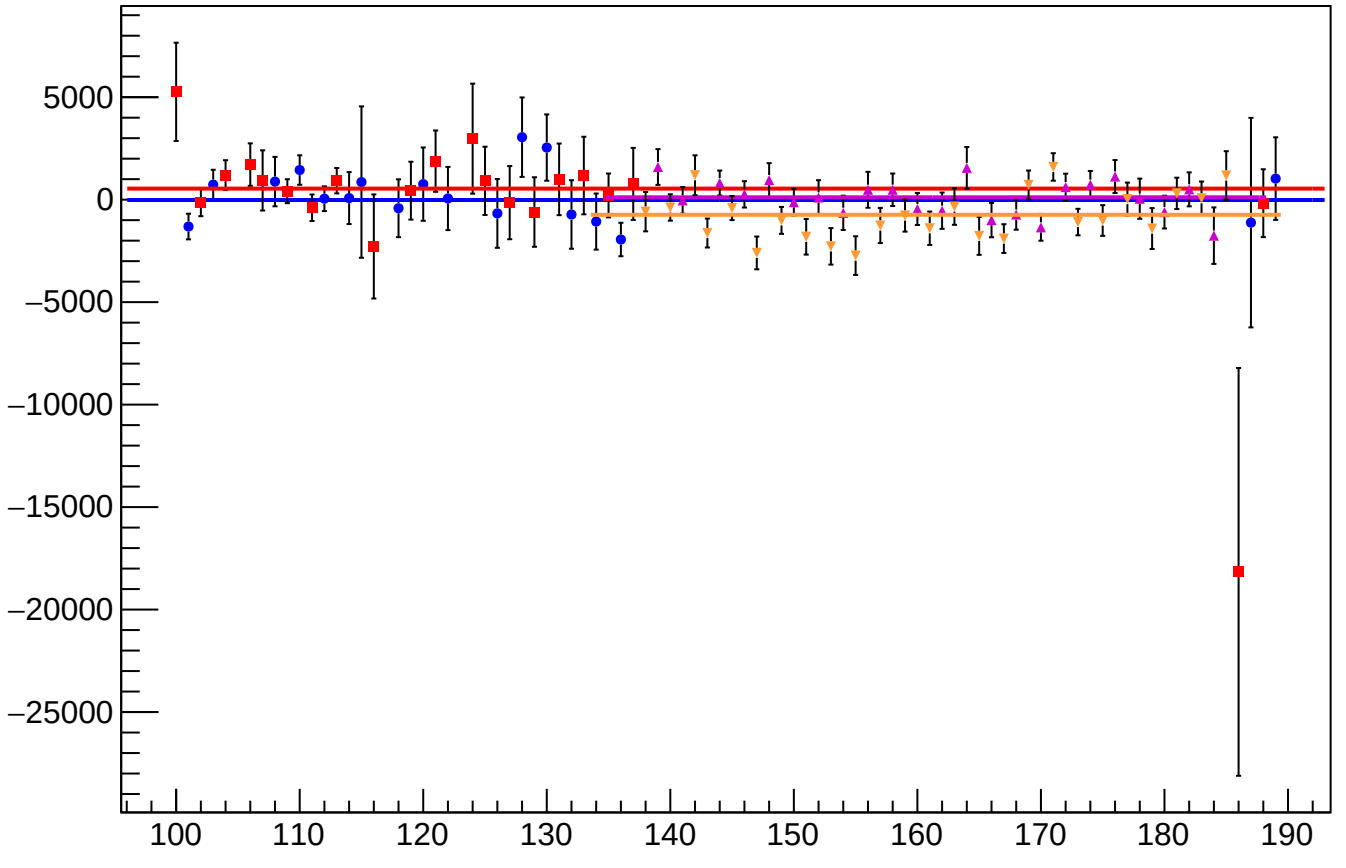
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 81.957+/-0.015 χ^2/NDF: 2814256.1/38

In: 93.976+/-0.013 χ^2/NDF:2056442.8/40

Out: 92.552+/-0.013 χ^2/NDF:3031780.6/45

All: 93.234+/-0.009 χ^2/NDF: 5094210.9/86



Right In: -16.201+/-254.616 χ^2/NDF: 22.2/17

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 539.391+/-235.988 χ^2/NDF: 17.0/20

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

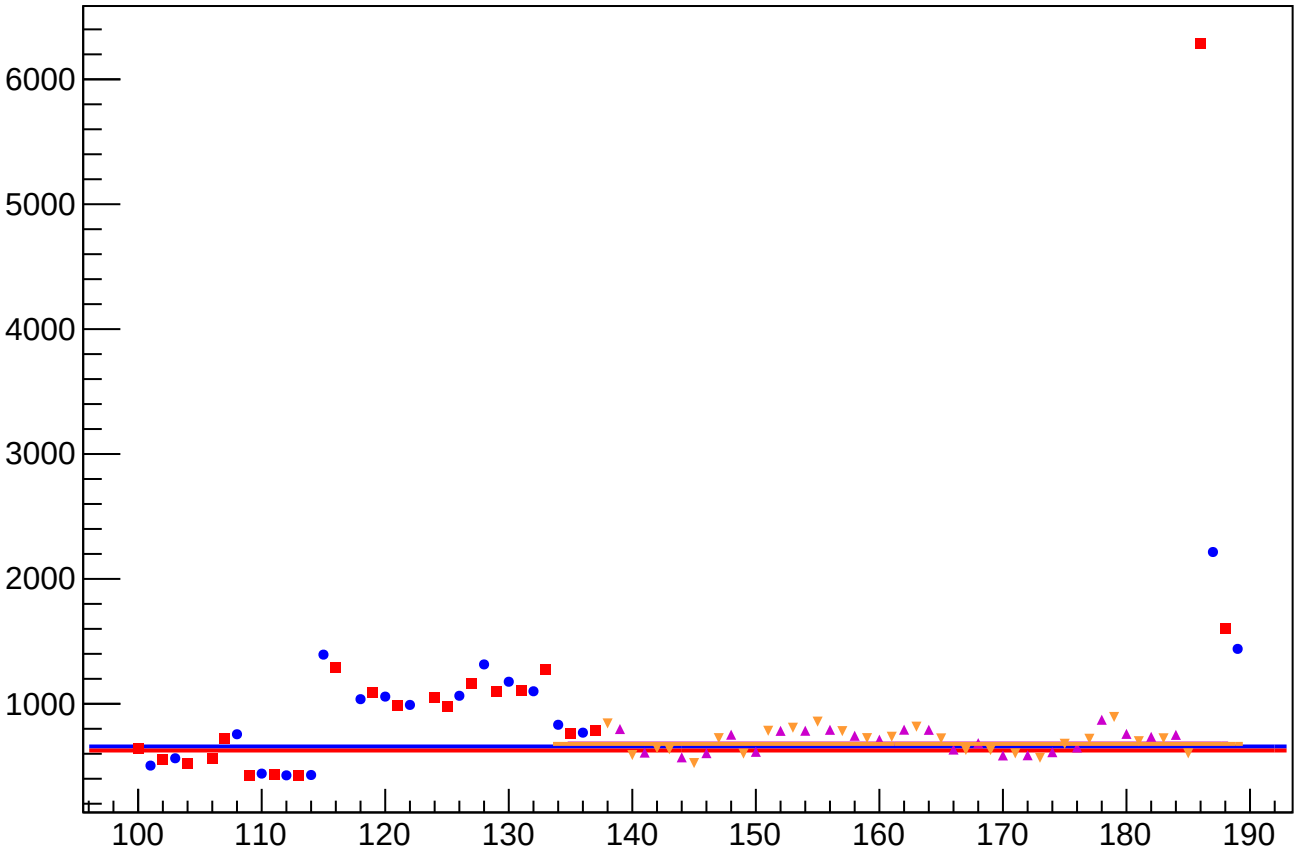
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 282.660+/-173.080 χ^2/NDF: 41.8/38

In: 77.985+/-136.072 χ^2/NDF:46.1/40

Out: -348.721+/-130.317 χ^2/NDF:87.1/45

All: -144.583+/-94.117 χ^2/NDF: 138.3/86



Right In: 658.160+/-0.180 χ^2/NDF: 2370171.2/17

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 626.148+/-0.167 χ^2/NDF: 3431189.9/20

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

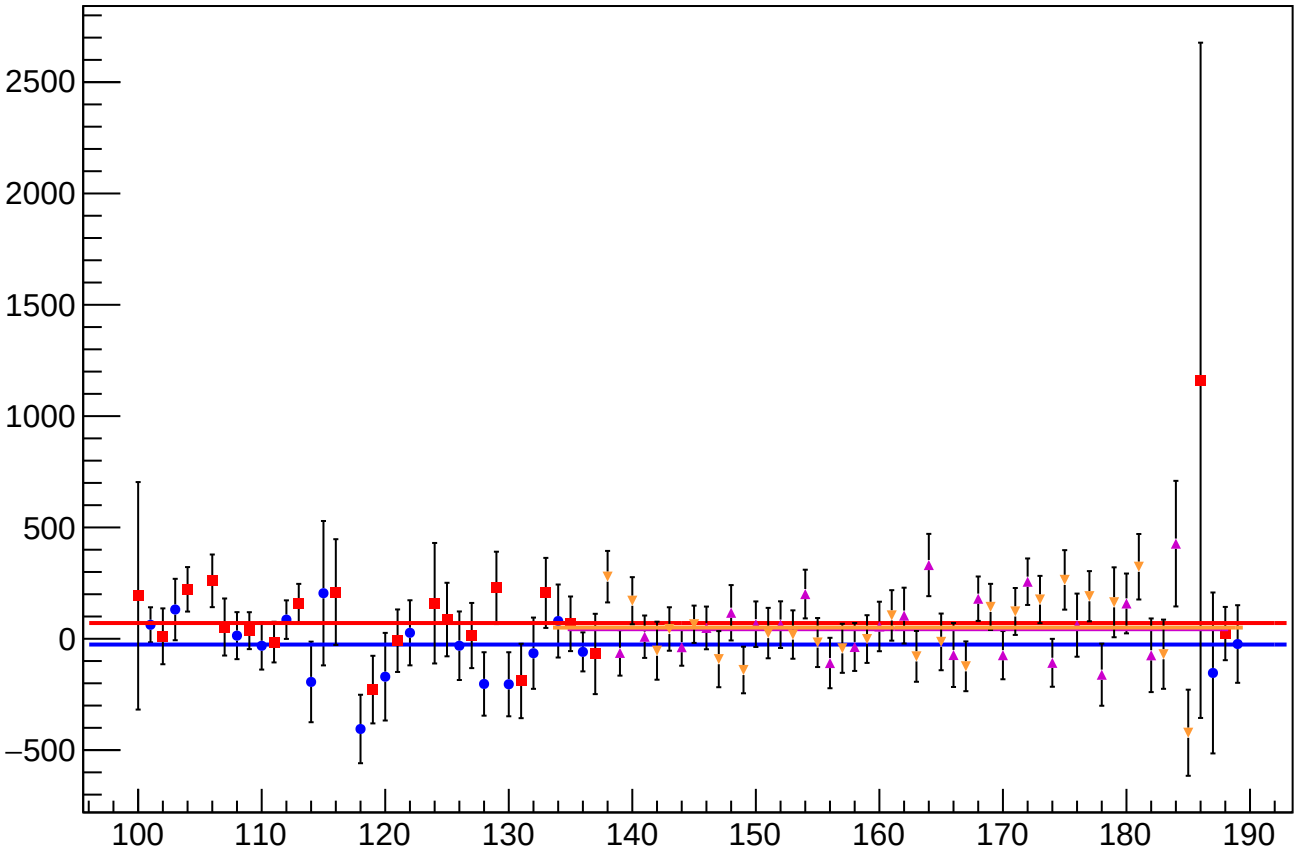
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 640.940+/-0.122 χ^2/NDF: 5818366.6/38

In: 675.115+/-0.096 χ^2/NDF:2956397.6/40

Out: 662.985+/-0.092 χ^2/NDF:4238721.4/45

All: 668.788+/-0.067 χ^2/NDF: 7203408.8/86



Right In: -25.951+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 70.660+/-29.036 χ^2/NDF: 17.4/20

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

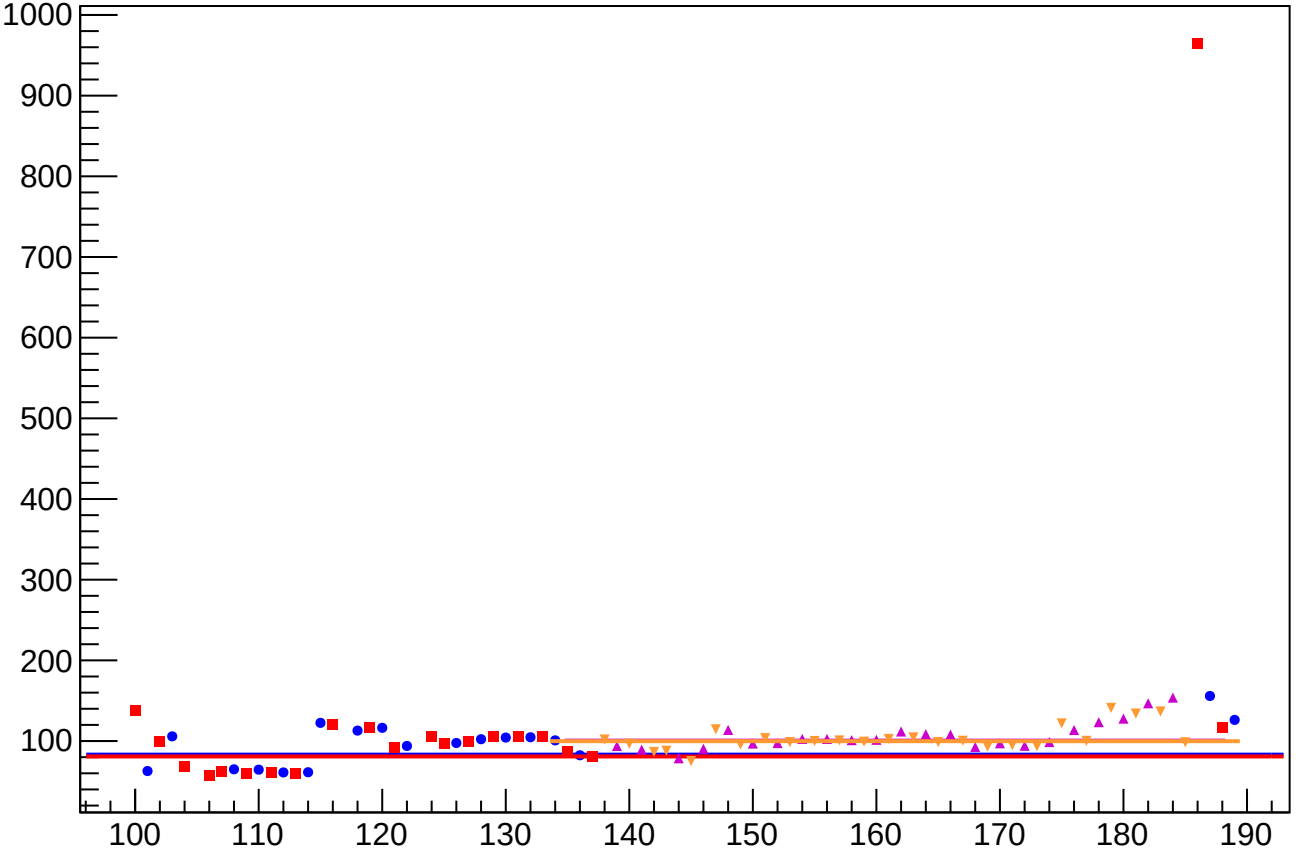
Right: 24.933+/-21.072 χ^2/NDF: 39.0/38

In: 17.115+/-18.773 χ^2/NDF:46.1/40

Out: 58.146+/-18.009 χ^2/NDF:51.2/45

All: 38.483+/-12.996 χ^2/NDF: 99.8/86

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 83.135+/-0.022 χ^2/NDF: 998343.6/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 80.881+/-0.021 χ^2/NDF: 1812648.0/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

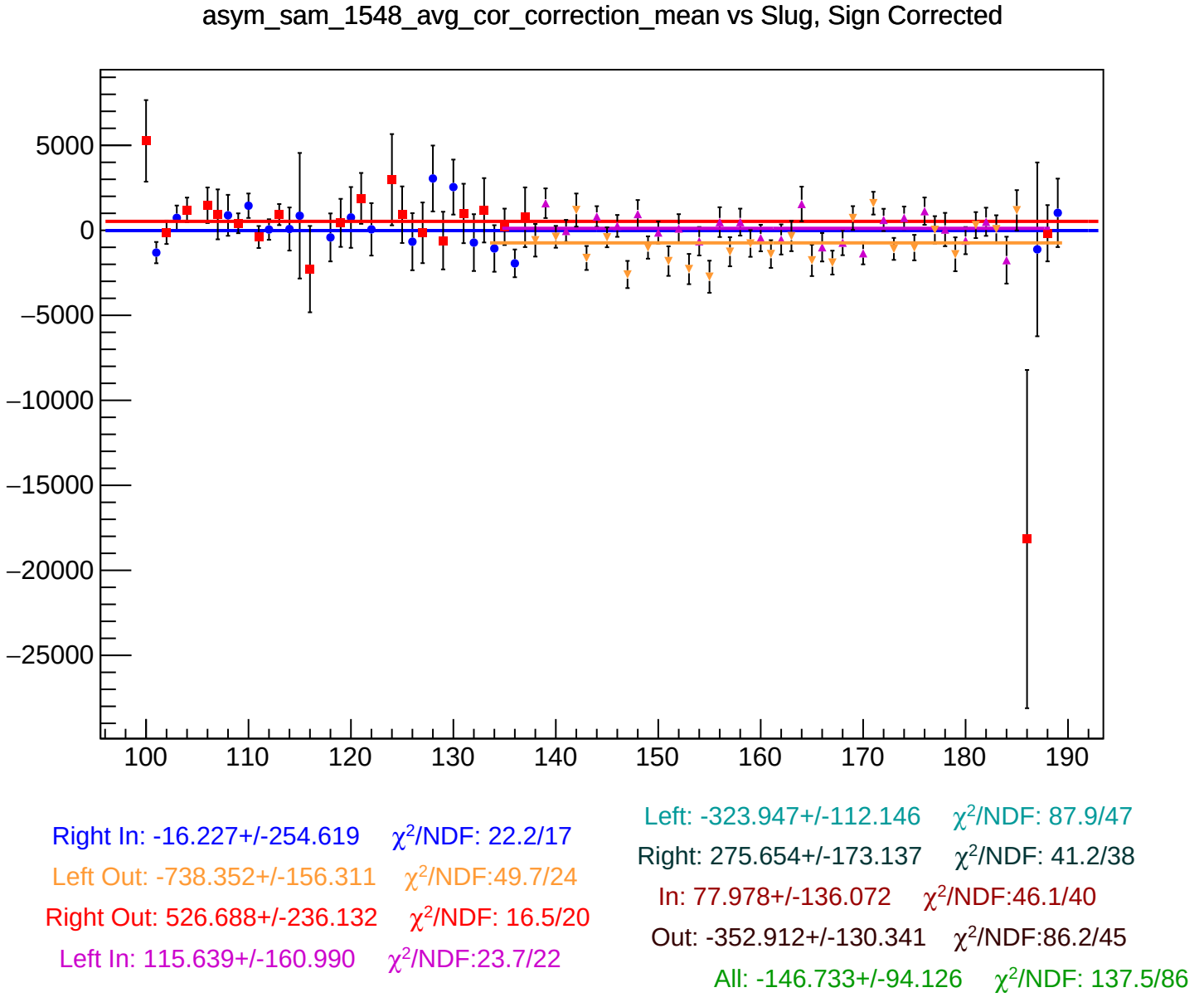
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

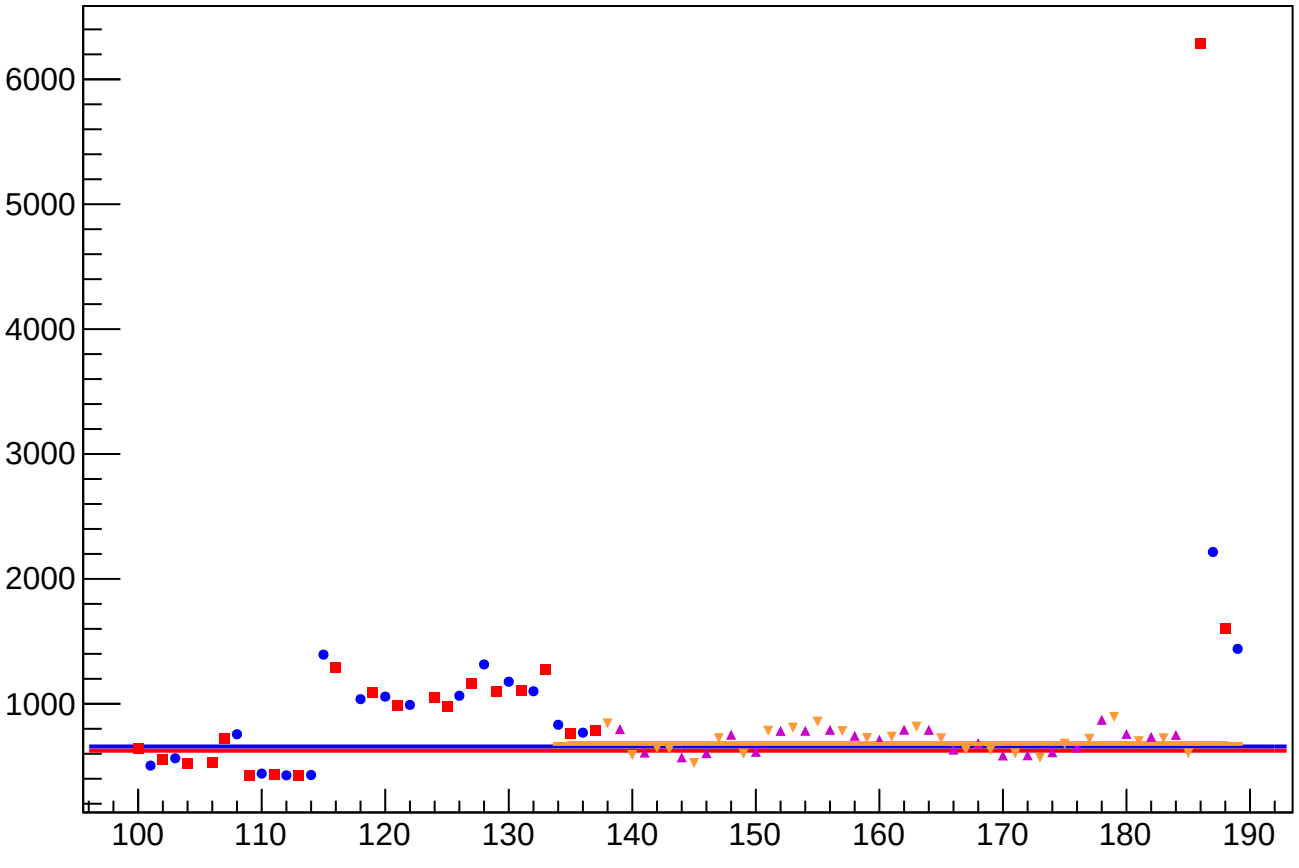
Right: 81.948+/-0.015 χ^2/NDF: 2816697.9/38

In: 93.976+/-0.013 χ^2/NDF:2056444.2/40

Out: 92.546+/-0.013 χ^2/NDF:3035050.1/45

All: 93.231+/-0.009 χ^2/NDF: 5097533.2/86


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -16.227+/-254.619 χ²/NDF: 22.2/17
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 526.688+/-236.132 χ²/NDF: 16.5/20
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 275.654+/-173.137 χ²/NDF: 41.2/38
In: 77.978+/-136.072 χ²/NDF:46.1/40
Out: -352.912+/-130.341 χ²/NDF:86.2/45
All: -146.733+/-94.126 χ²/NDF: 137.5/86



Right In: 658.169+/-0.180 χ^2/NDF: 2370121.4/17

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 624.534+/-0.167 χ^2/NDF: 3440865.2/20

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

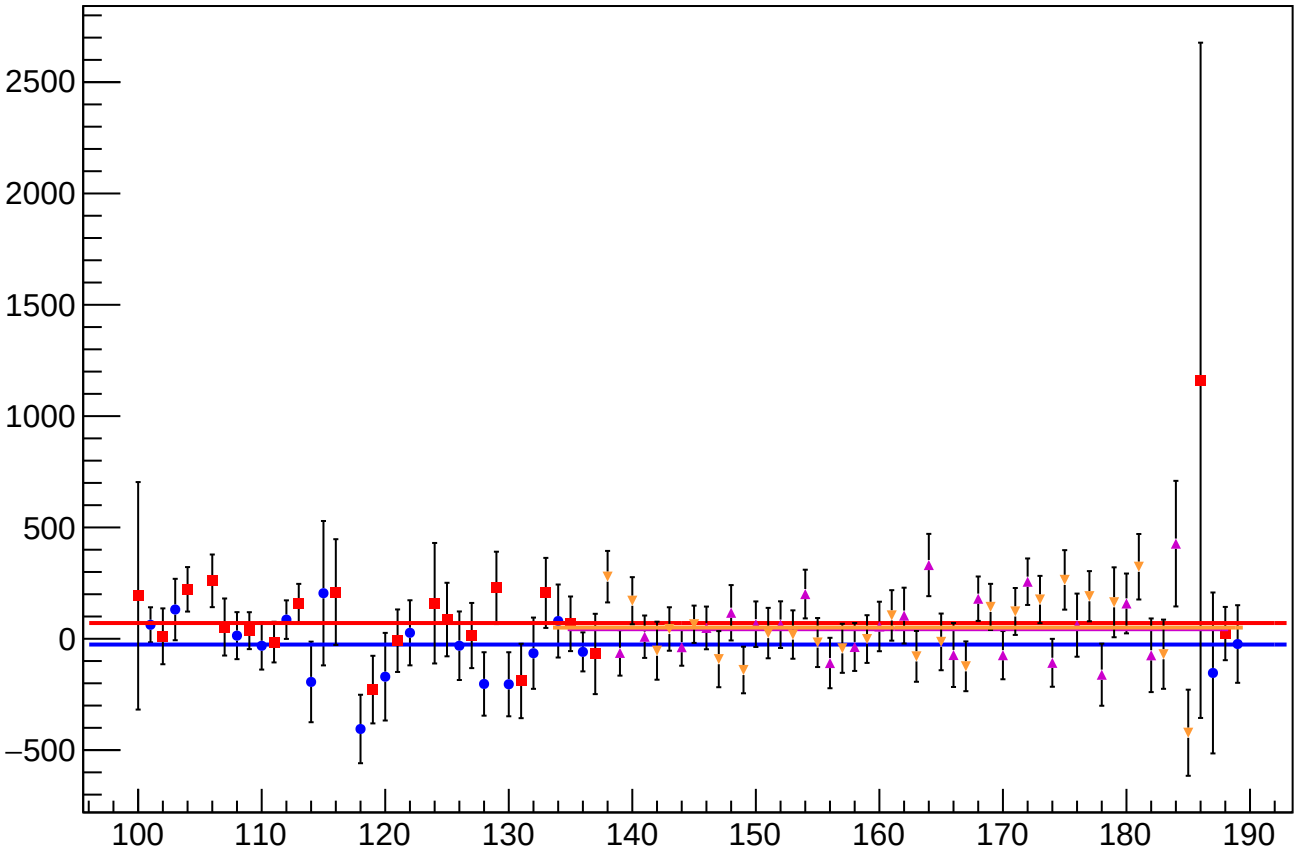
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 640.086+/-0.122 χ^2/NDF: 5829750.2/38

In: 675.118+/-0.096 χ^2/NDF:2956339.3/40

Out: 662.507+/-0.092 χ^2/NDF:4252669.7/45

All: 668.541+/-0.067 χ^2/NDF: 7217967.7/86



Right In: -25.951+/-30.630 χ^2/NDF: 16.3/17

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 70.660+/-29.036 χ^2/NDF: 17.4/20

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

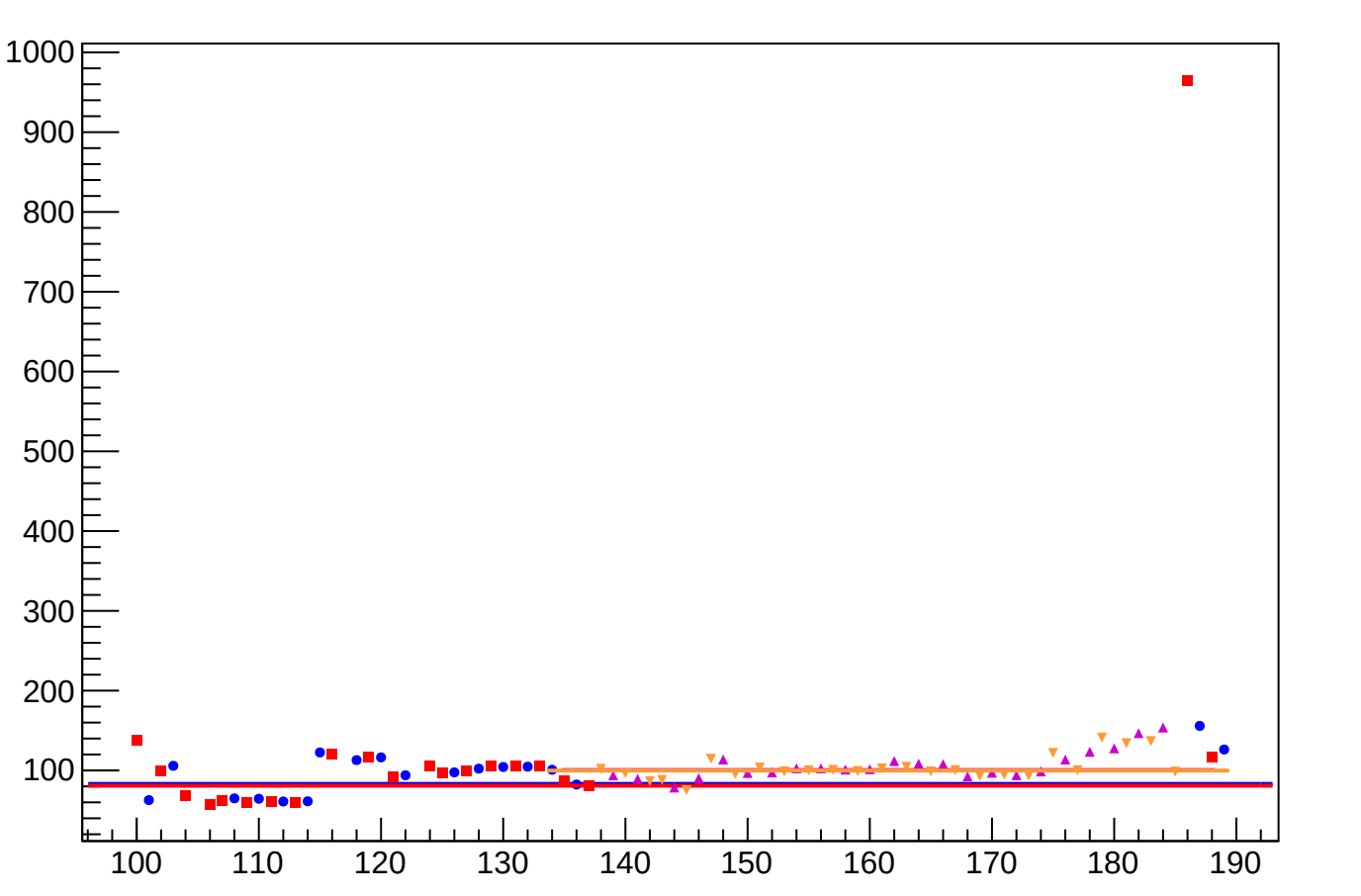
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 24.933+/-21.072 χ^2/NDF: 39.0/38

In: 17.115+/-18.773 χ^2/NDF:46.1/40

Out: 58.146+/-18.009 χ^2/NDF:51.2/45

All: 38.483+/-12.996 χ^2/NDF: 99.8/86



Right In: 83.135+/-0.022 χ^2/NDF: 998343.6/17

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 80.881+/-0.021 χ^2/NDF: 1812648.0/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

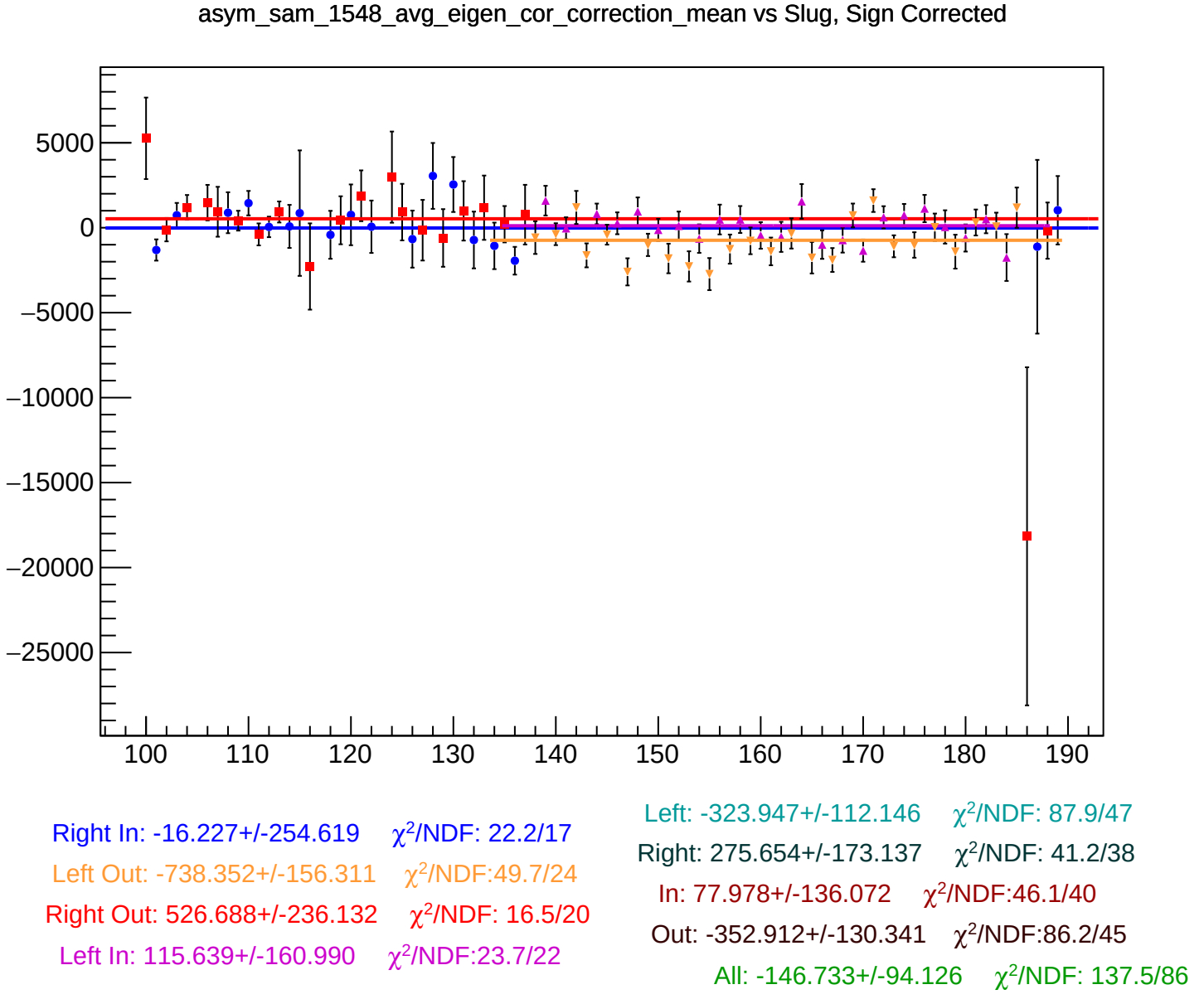
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 81.948+/-0.015 χ^2/NDF: 2816697.9/38

In: 93.976+/-0.013 χ^2/NDF:2056444.2/40

Out: 92.546+/-0.013 χ^2/NDF:3035050.1/45

All: 93.231+/-0.009 χ^2/NDF: 5097533.2/86


asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
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−10000
−15000
−20000
−25000
100
110
120
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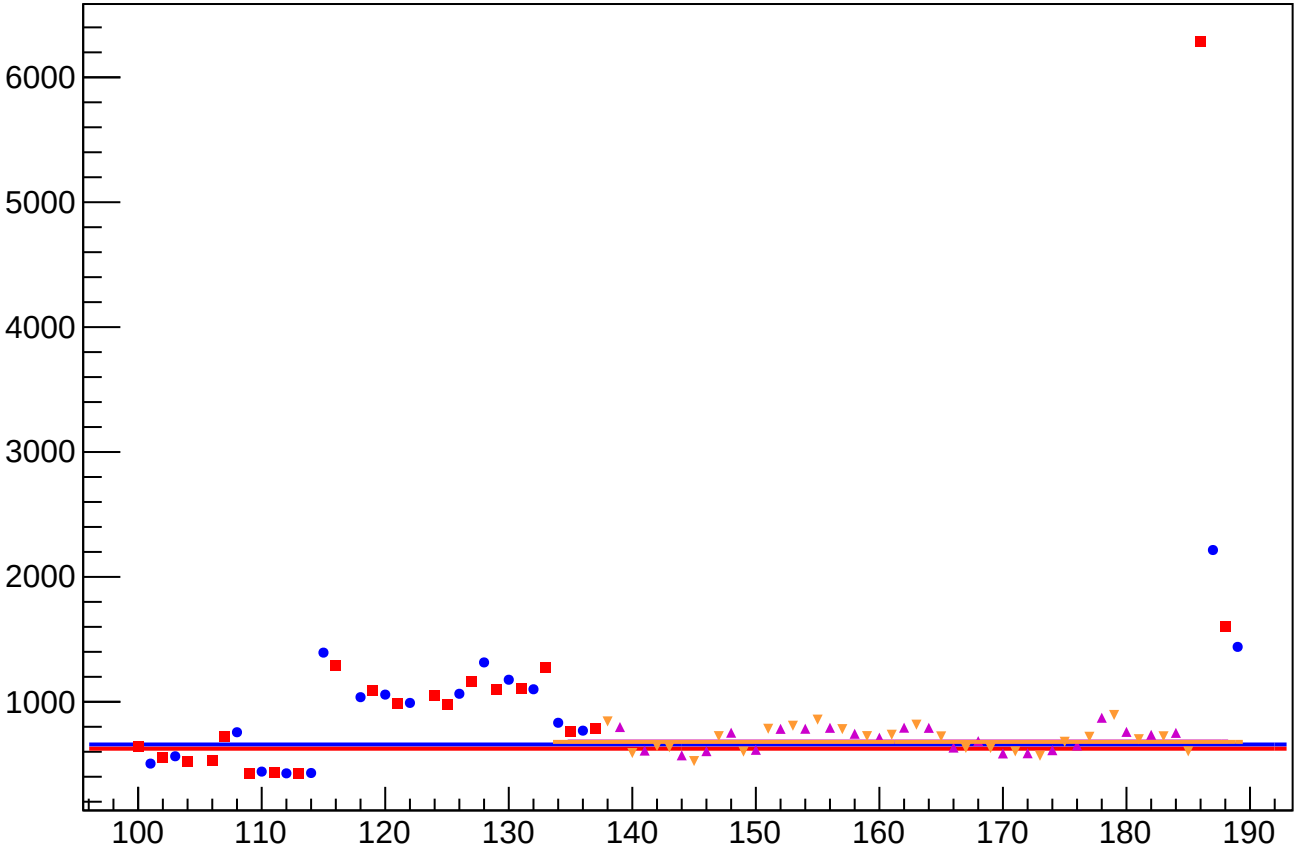
170
180
190
Right In: -16.227+/-254.619 χ²/NDF: 22.2/17
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 526.688+/-236.132 χ²/NDF: 16.5/20
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 275.654+/-173.137 χ²/NDF: 41.2/38
In: 77.978+/-136.072 χ²/NDF:46.1/40
Out: -352.912+/-130.341 χ²/NDF:86.2/45
All: -146.733+/-94.126 χ²/NDF: 137.5/86

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 658.169+/-0.180 χ^2/NDF: 2370121.4/17

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 624.534+/-0.167 χ^2/NDF: 3440865.2/20

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

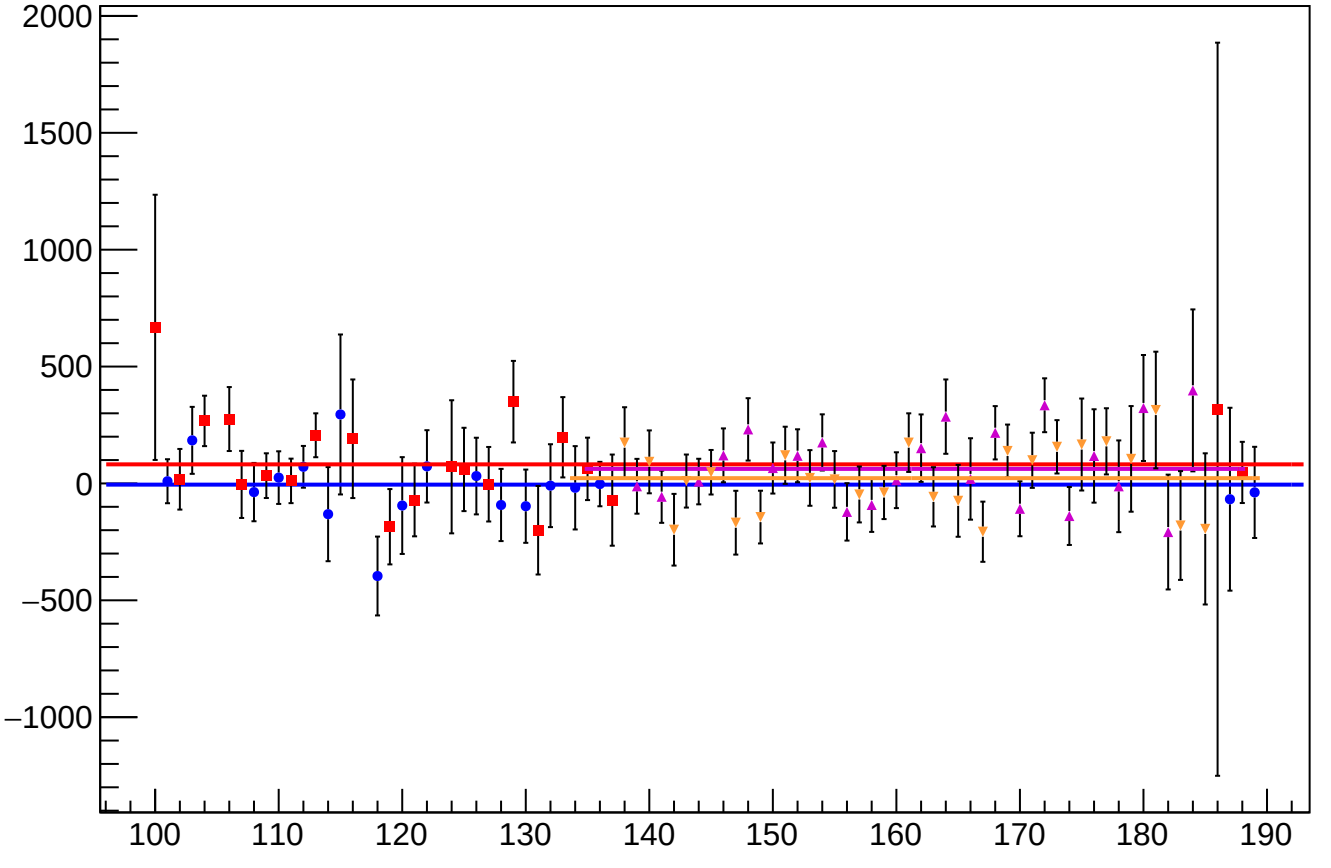
Right: 640.086+/-0.122 χ^2/NDF: 5829750.2/38

In: 675.118+/-0.096 χ^2/NDF:2956339.3/40

Out: 662.507+/-0.092 χ^2/NDF:4252669.7/45

All: 668.541+/-0.067 χ^2/NDF: 7217967.7/86

dit_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: -5.129+/-33.517 χ^2/NDF: 10.4/17

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 81.631+/-31.657 χ^2/NDF: 19.2/20

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

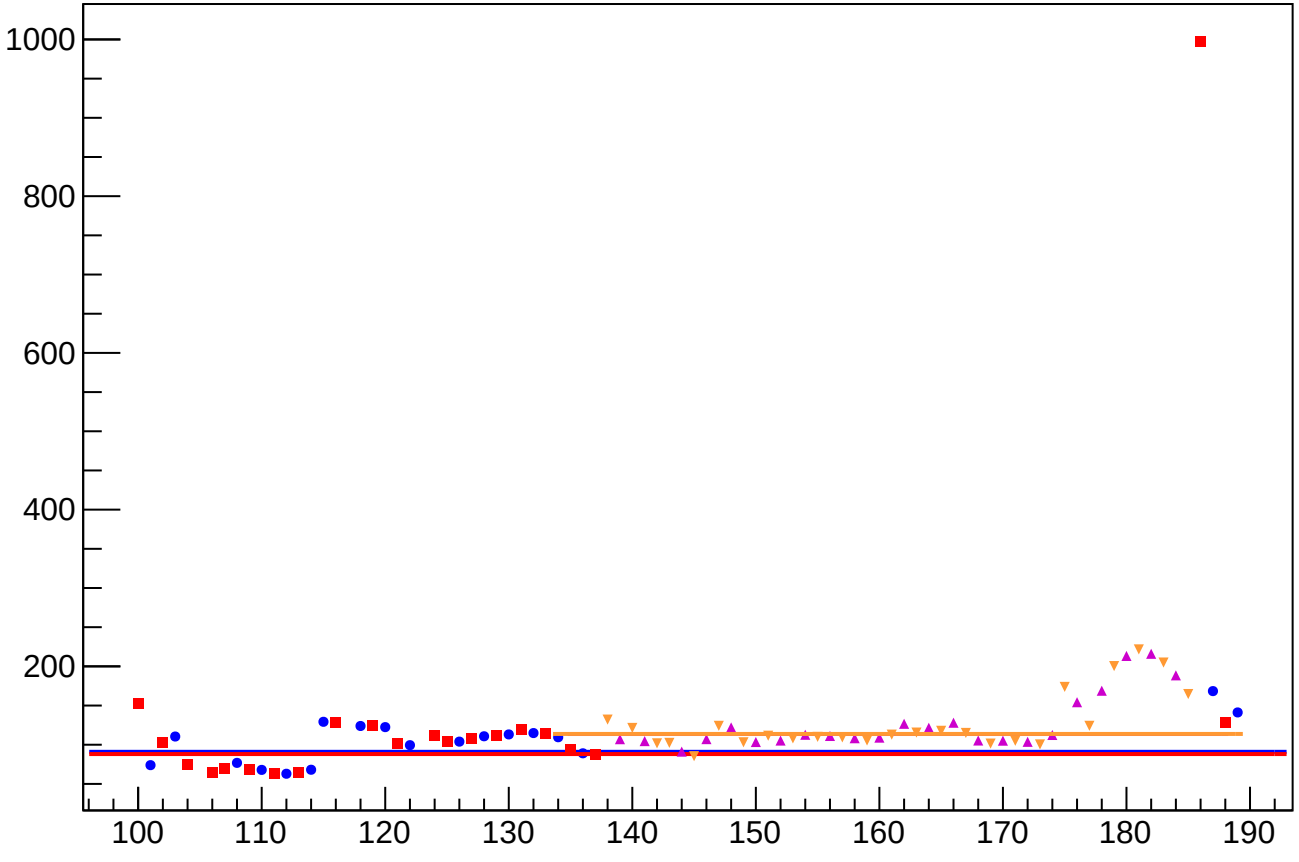
Right: 40.725+/-23.014 χ^2/NDF: 33.1/38

In: 35.282+/-21.185 χ^2/NDF:40.1/40

Out: 47.042+/-20.384 χ^2/NDF:42.8/45

All: 41.389+/-14.689 χ^2/NDF: 83.1/86

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 90.945+/-0.024 χ^2/NDF: 943703.2/17

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 88.091+/-0.022 χ^2/NDF: 1756553.8/20

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

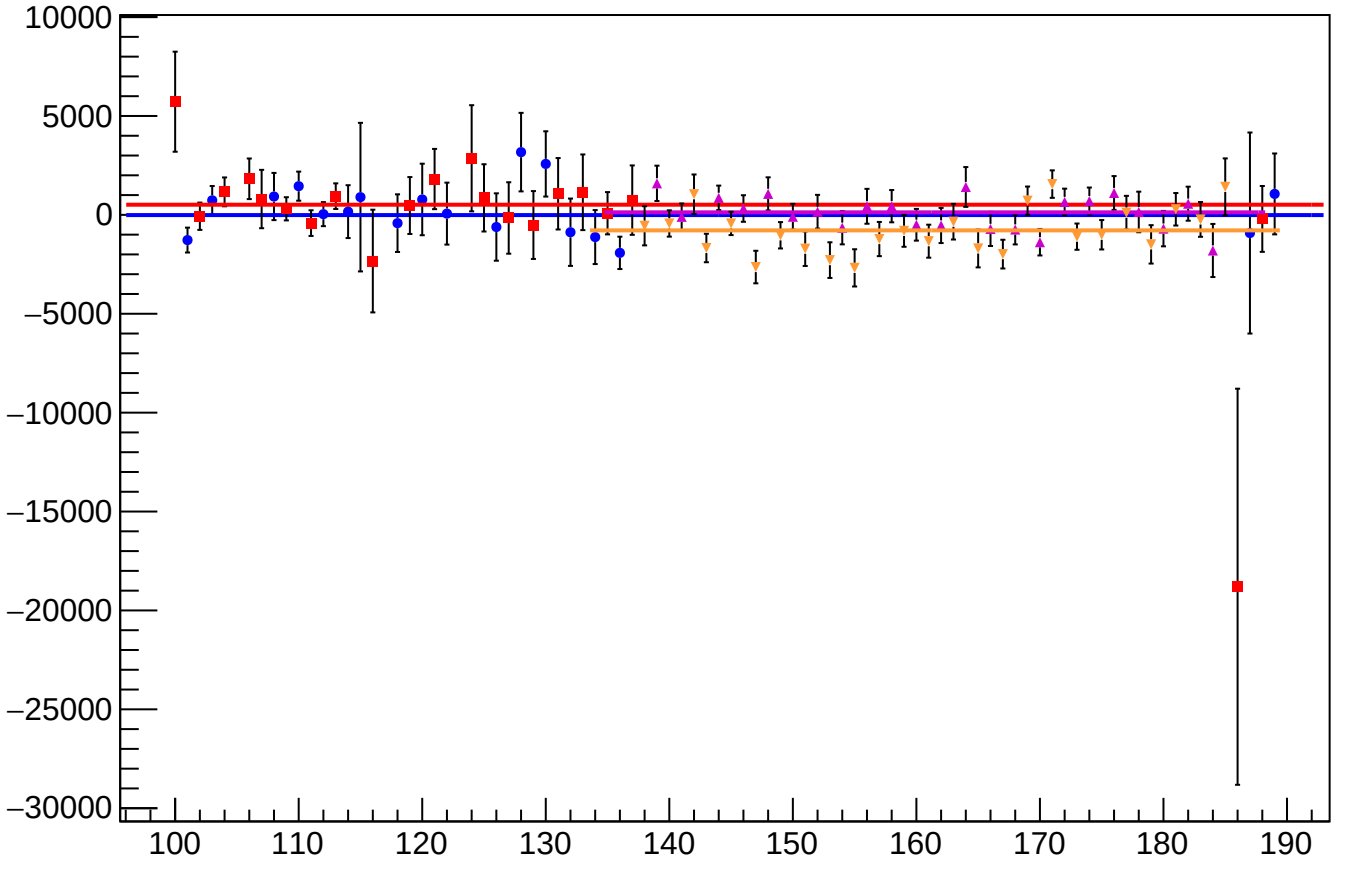
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 89.437+/-0.016 χ^2/NDF: 2707922.7/38

In: 104.595+/-0.015 χ^2/NDF:2812158.4/40

Out: 103.120+/-0.014 χ^2/NDF:4106569.1/45

All: 103.829+/-0.010 χ^2/NDF: 6923760.1/86



Right In: -10.922+/-257.010 χ^2/NDF: 21.9/17

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 513.343+/-238.677 χ^2/NDF: 17.6/20

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

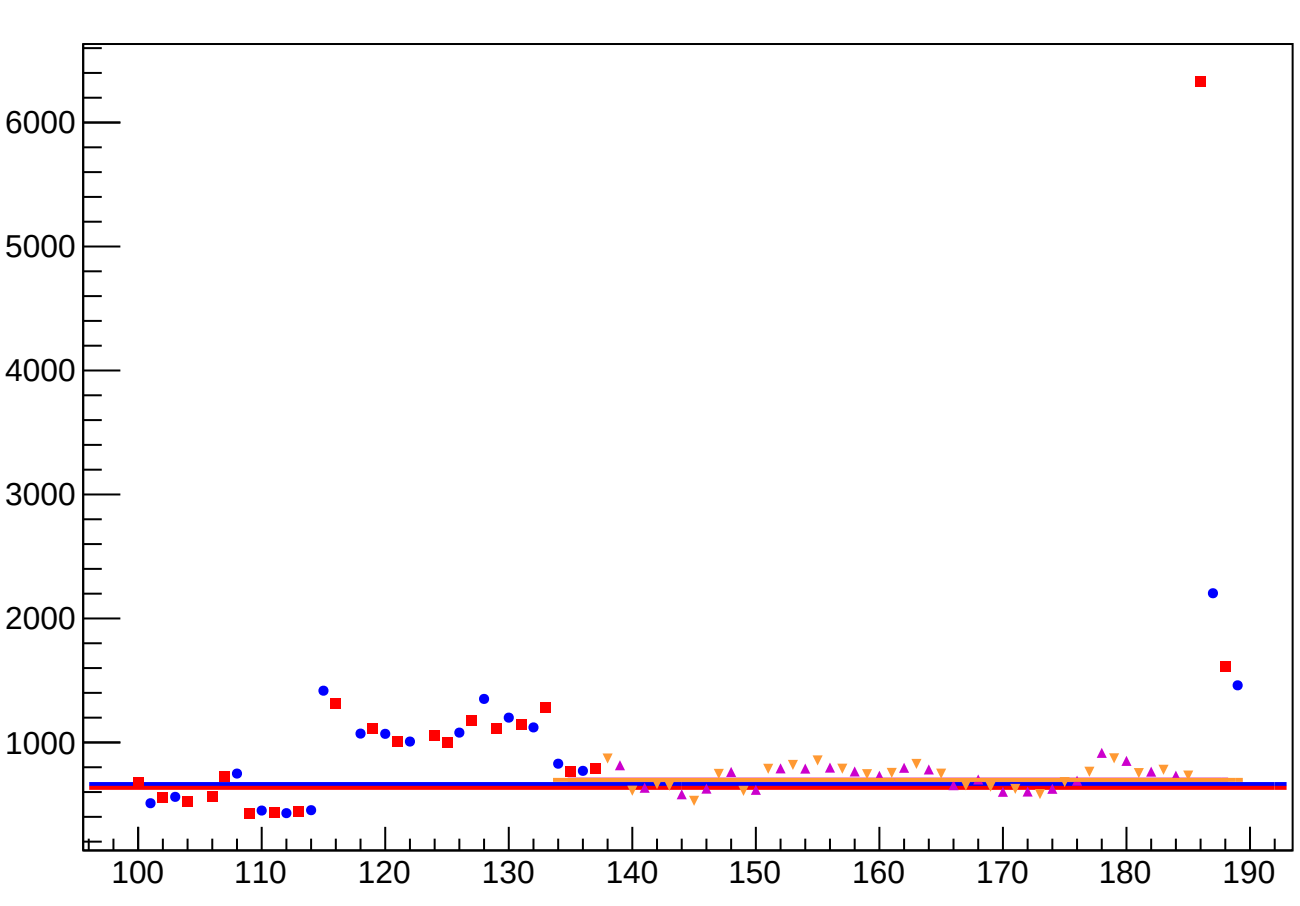
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 270.574+/-174.893 χ^2/NDF: 41.7/38

In: 87.474+/-139.001 χ^2/NDF:44.8/40

Out: -380.283+/-133.177 χ^2/NDF:83.3/45

All: -156.408+/-96.163 χ^2/NDF: 134.0/86



Right In: 664.461+/-0.182 χ^2/NDF: 2382808.9/17

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 633.909+/-0.169 χ^2/NDF: 3431786.0/20

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

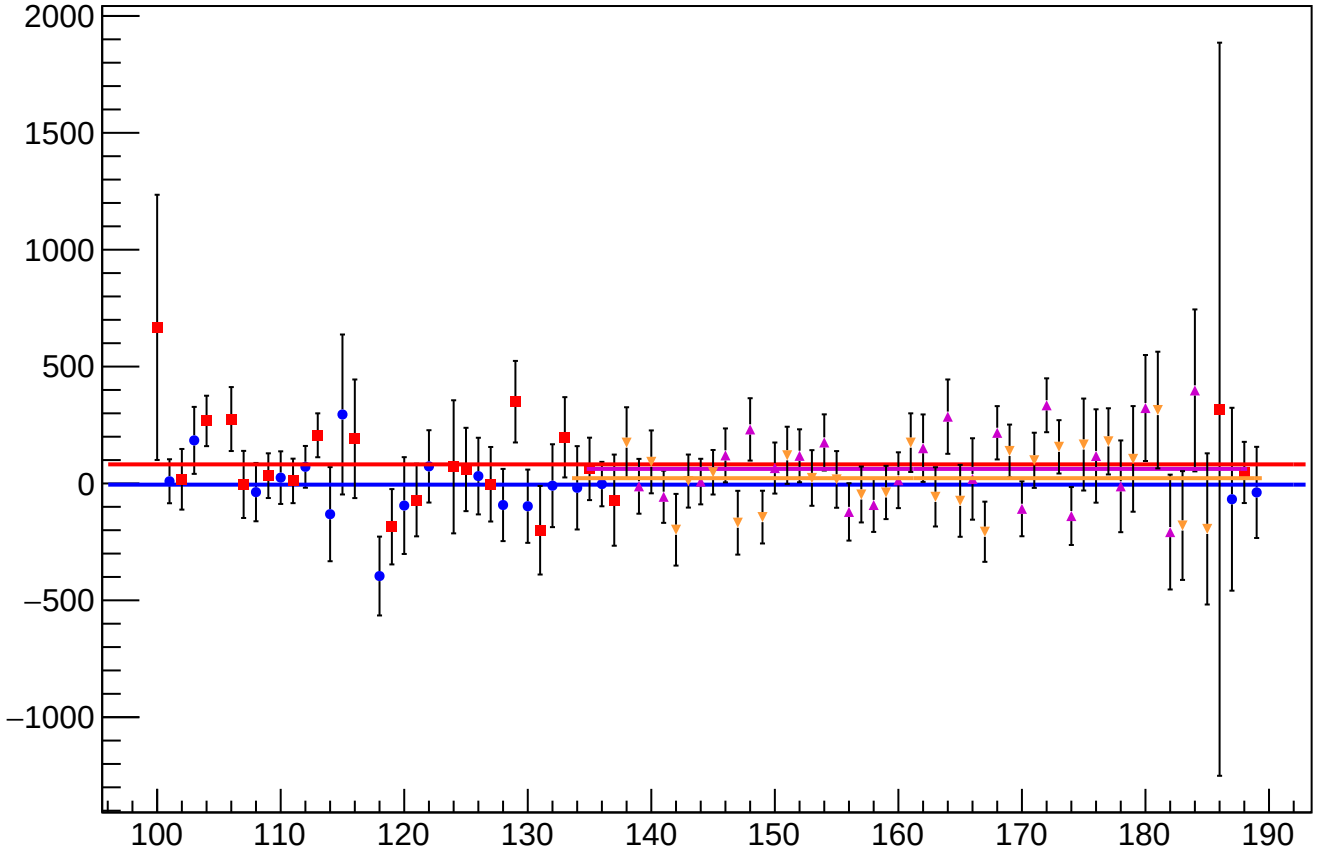
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 648.057+/-0.124 χ^2/NDF: 5829769.4/38

In: 689.661+/-0.098 χ^2/NDF:2994304.8/40

Out: 678.209+/-0.094 χ^2/NDF:4246521.4/45

All: 683.690+/-0.068 χ^2/NDF: 7247903.6/86



Right In: -5.128+/-33.517 χ^2/NDF: 10.4/17

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 81.631+/-31.657 χ^2/NDF: 19.2/20

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

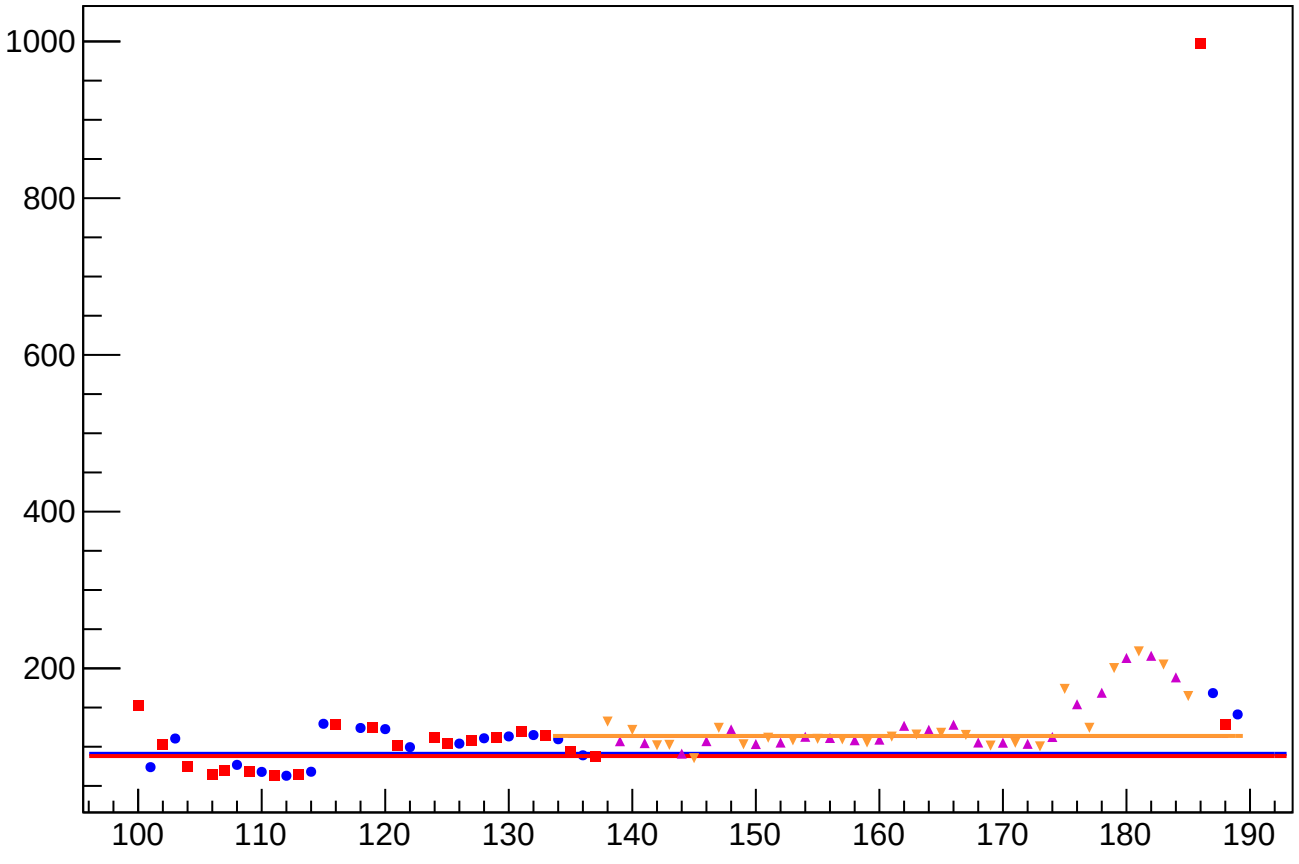
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 40.725+/-23.014 χ^2/NDF: 33.1/38

In: 35.283+/-21.185 χ^2/NDF:40.1/40

Out: 47.043+/-20.385 χ^2/NDF:42.8/45

All: 41.389+/-14.689 χ^2/NDF: 83.1/86



Right In: 90.945+/-0.024 χ^2/NDF: 943702.3/17

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 88.091+/-0.022 χ^2/NDF: 1756555.6/20

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

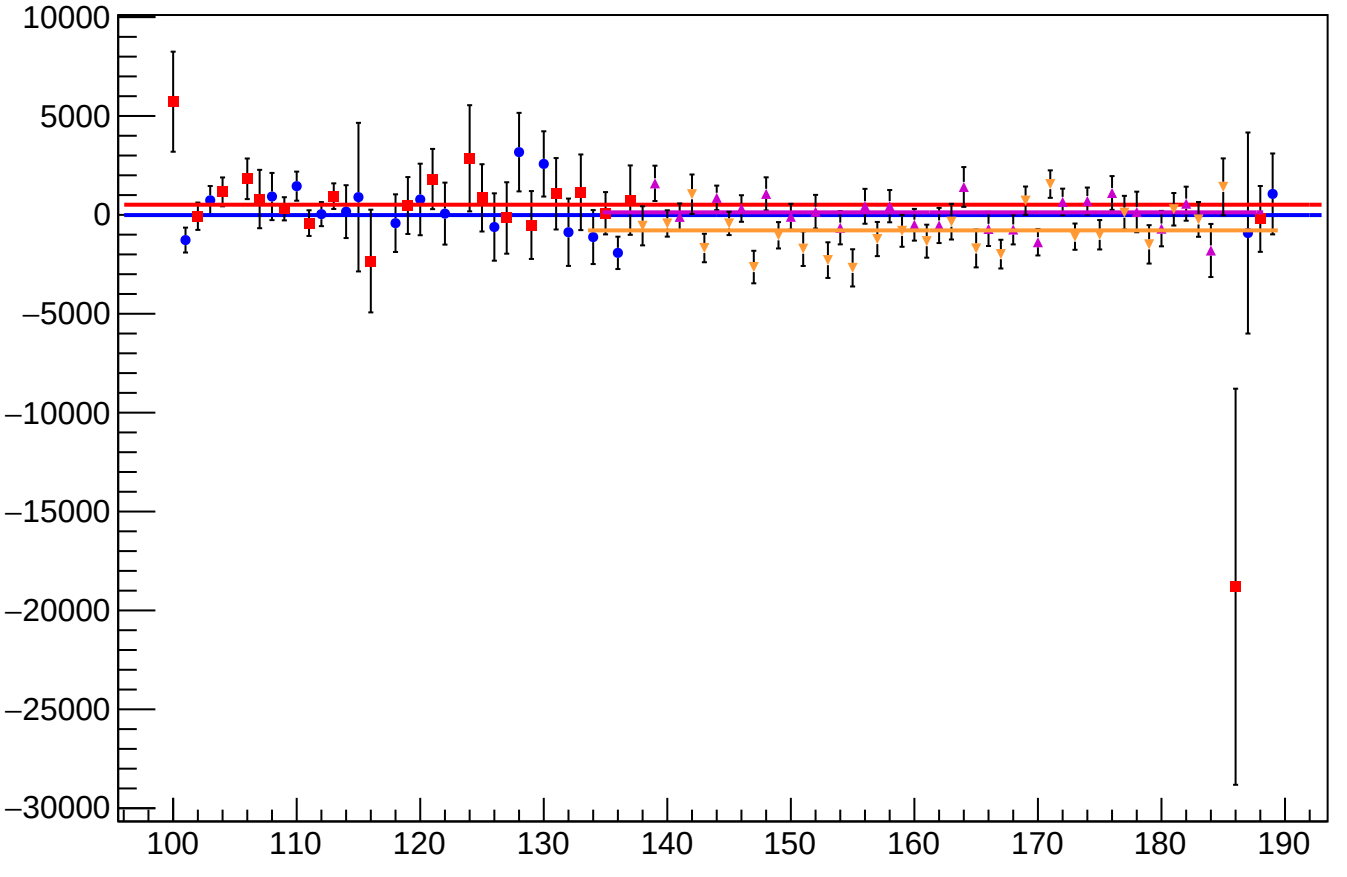
Right: 89.437+/-0.016 χ^2/NDF: 2707923.5/38

In: 104.595+/-0.015 χ^2/NDF:2812144.9/40

Out: 103.120+/-0.014 χ^2/NDF:4106570.2/45

All: 103.829+/-0.010 χ^2/NDF: 6923747.8/86

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -10.921+/-257.010 χ^2/NDF: 21.9/17

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 513.342+/-238.677 χ^2/NDF: 17.6/20

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

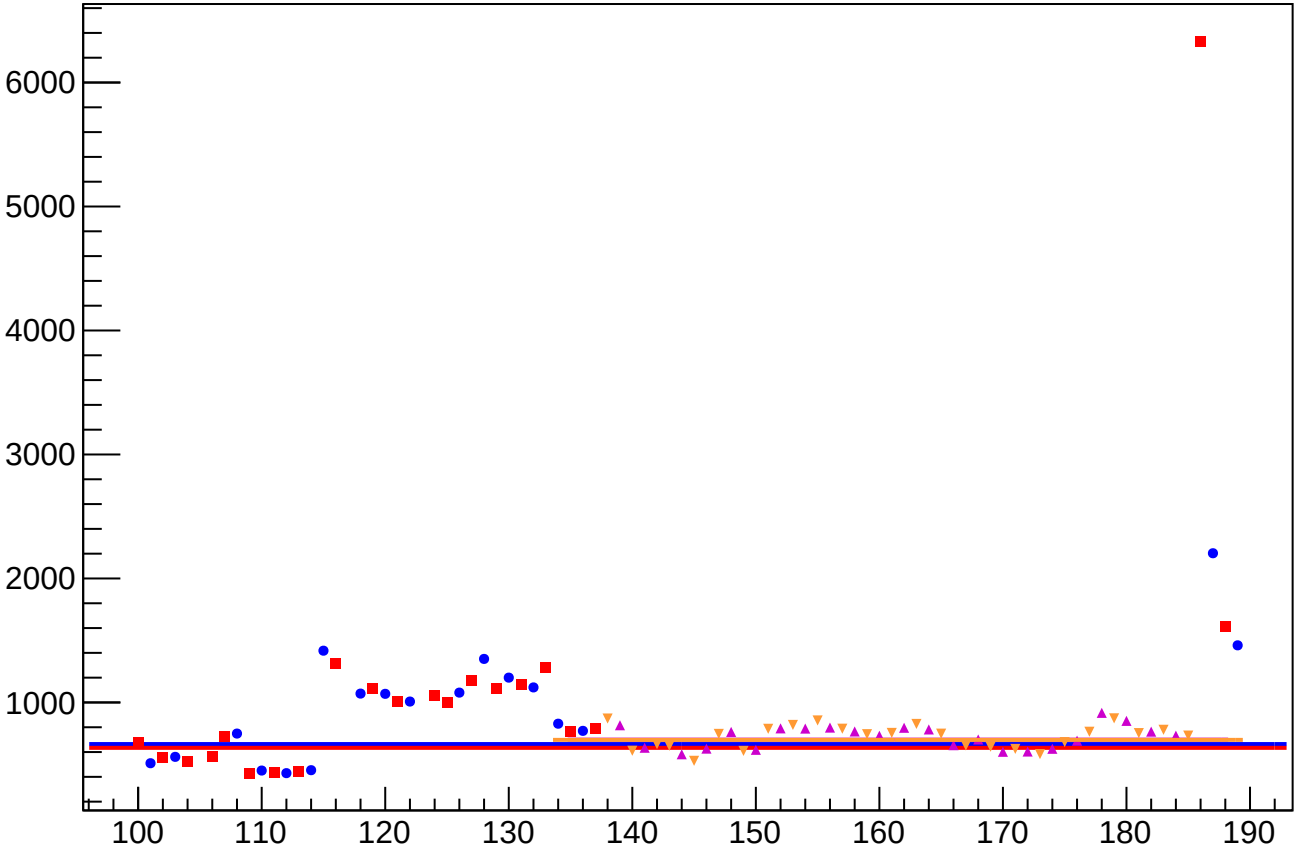
Right: 270.574+/-174.892 χ^2/NDF: 41.7/38

In: 87.474+/-139.001 χ^2/NDF:44.8/40

Out: -380.282+/-133.177 χ^2/NDF:83.3/45

All: -156.408+/-96.163 χ^2/NDF: 134.0/86

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 664.460+/-0.182 χ^2/NDF: 2382812.8/17

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 633.909+/-0.169 χ^2/NDF: 3431786.5/20

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

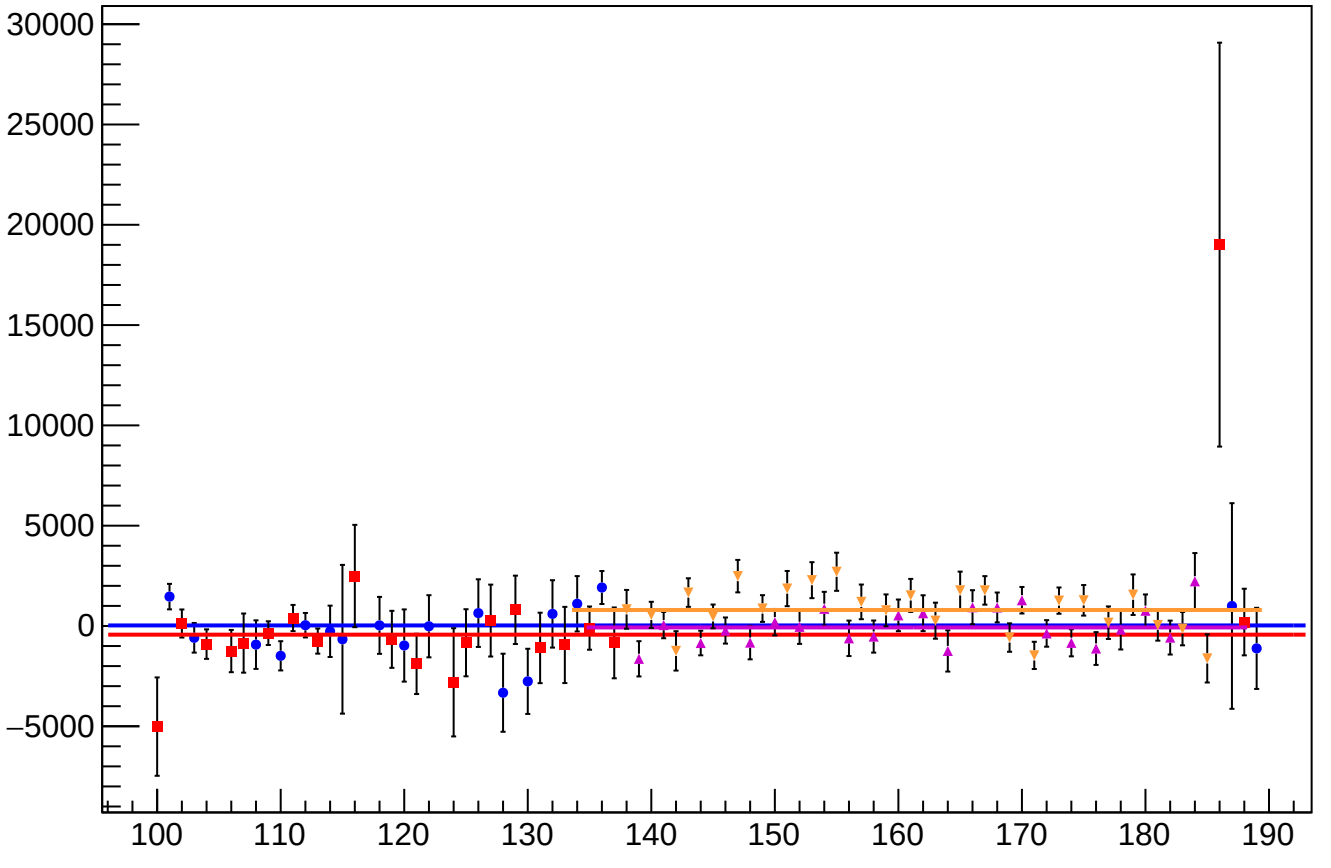
Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

Right: 648.056+/-0.124 χ^2/NDF: 5829773.9/38

In: 689.660+/-0.098 χ^2/NDF:2994304.5/40

Out: 678.208+/-0.094 χ^2/NDF:4246520.3/45

All: 683.689+/-0.068 χ^2/NDF: 7247902.2/86



Right In: 26.767+/-257.354 χ^2/NDF: 23.6/17

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -433.681+/-238.547 χ^2/NDF: 15.1/20

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

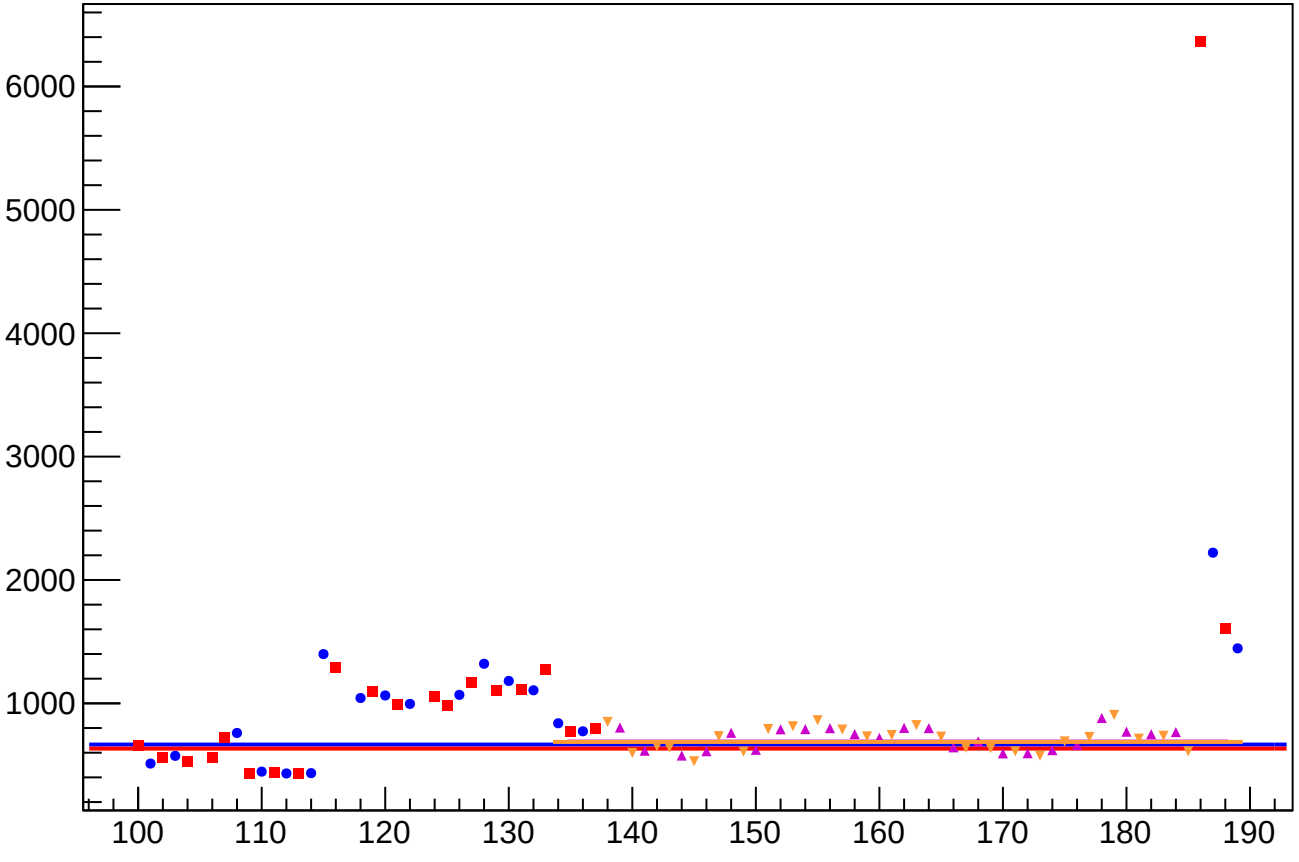
Right: -220.894+/-174.950 χ^2/NDF: 40.4/38

In: -44.824+/-137.630 χ^2/NDF:48.6/40

Out: 421.198+/-131.808 χ^2/NDF:80.0/45

All: 198.252+/-95.194 χ^2/NDF: 134.6/86

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 665.957+/-0.182 χ^2/NDF: 2335833.3/17

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 633.325+/-0.169 χ^2/NDF: 3397950.4/20

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

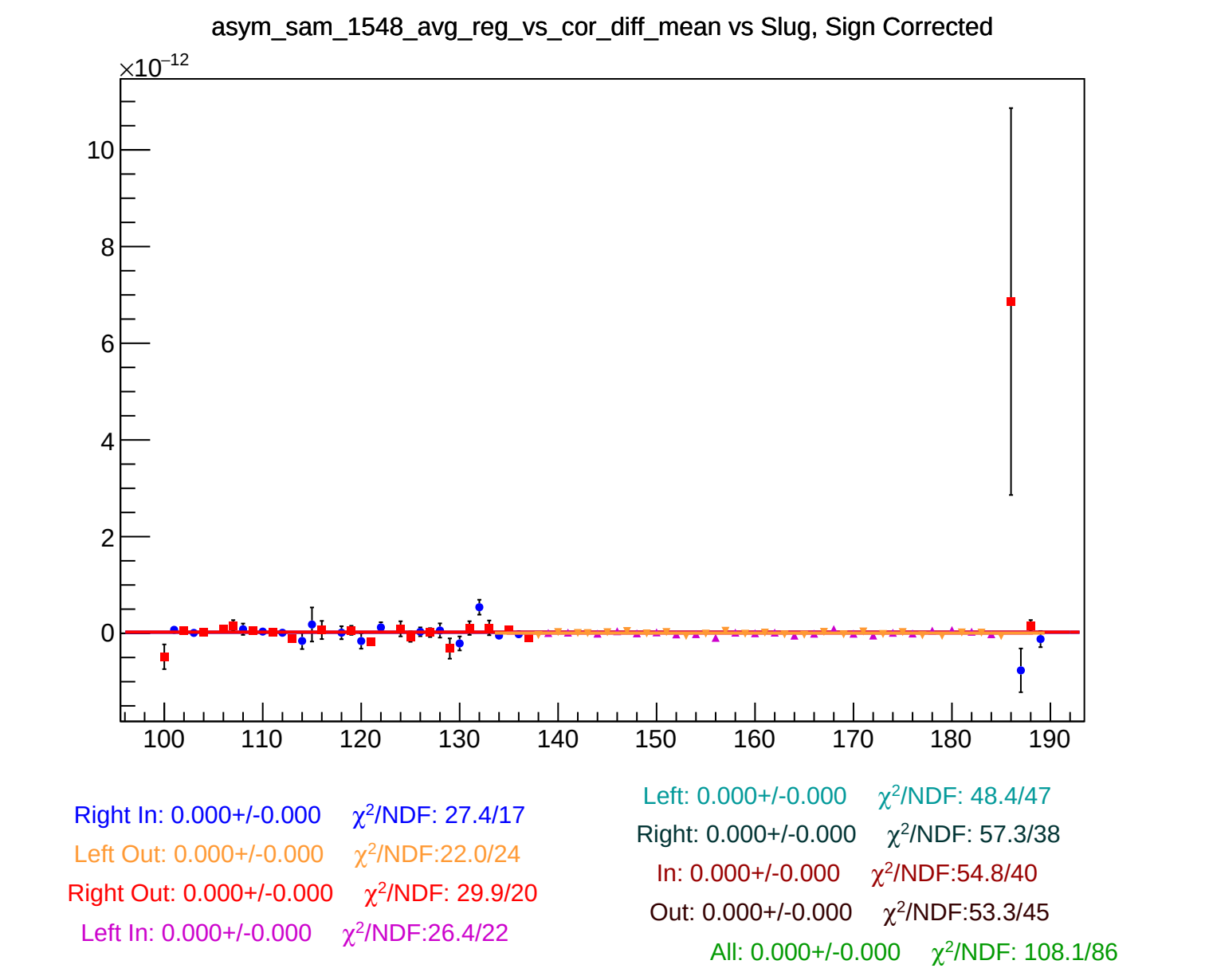
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

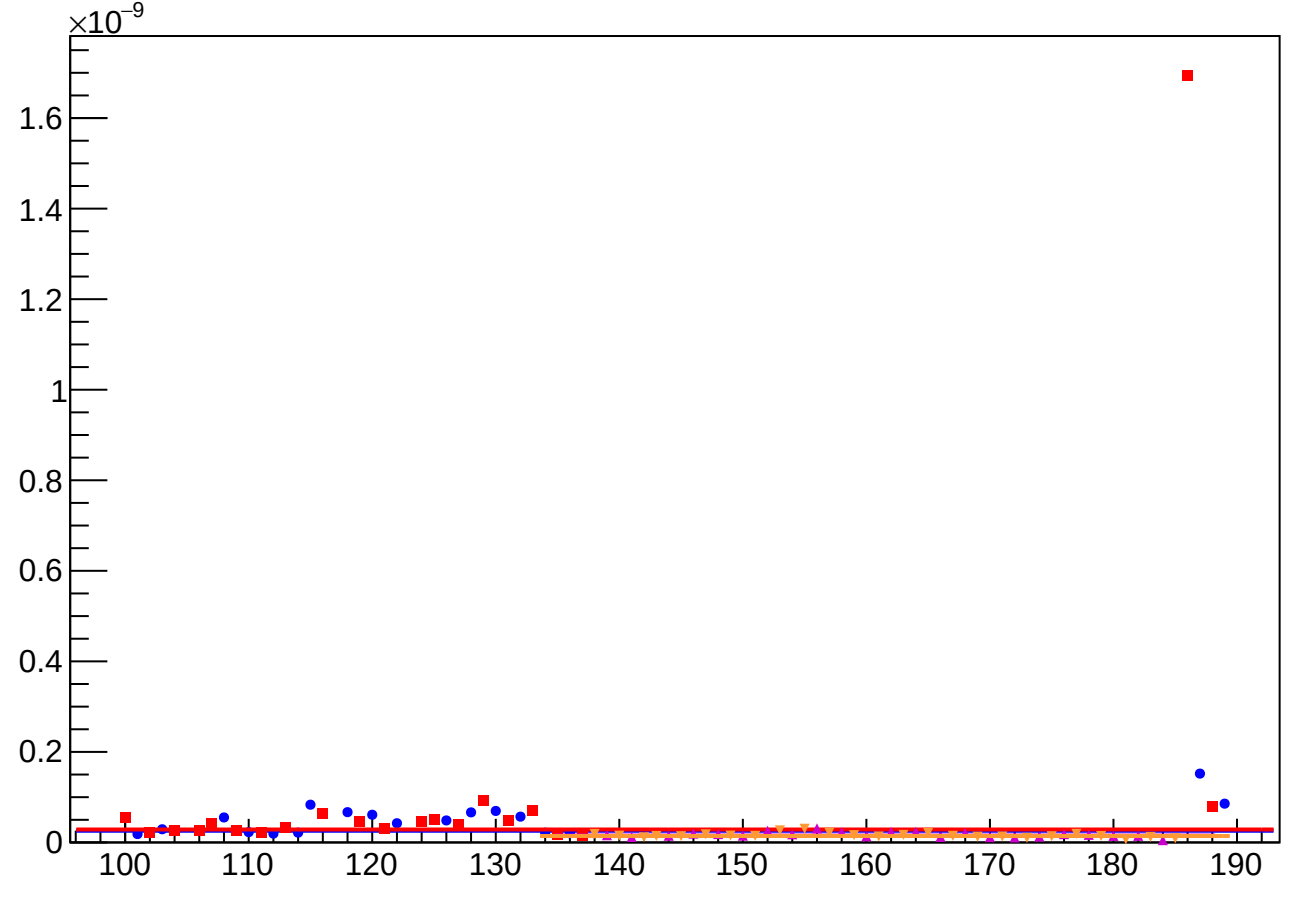
Right: 648.405+/-0.124 χ^2/NDF: 5751079.2/38

In: 683.121+/-0.097 χ^2/NDF:2915383.0/40

Out: 670.781+/-0.093 χ^2/NDF:4196925.8/45

All: 676.685+/-0.067 χ^2/NDF: 7120695.1/86


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 27.4/17
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.9/20
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: 57.3/38
In: 0.000+/-0.000 χ²/NDF:54.8/40
Out: 0.000+/-0.000 χ²/NDF:53.3/45
All: 0.000+/-0.000 χ²/NDF: 108.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 1728769.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1722771.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

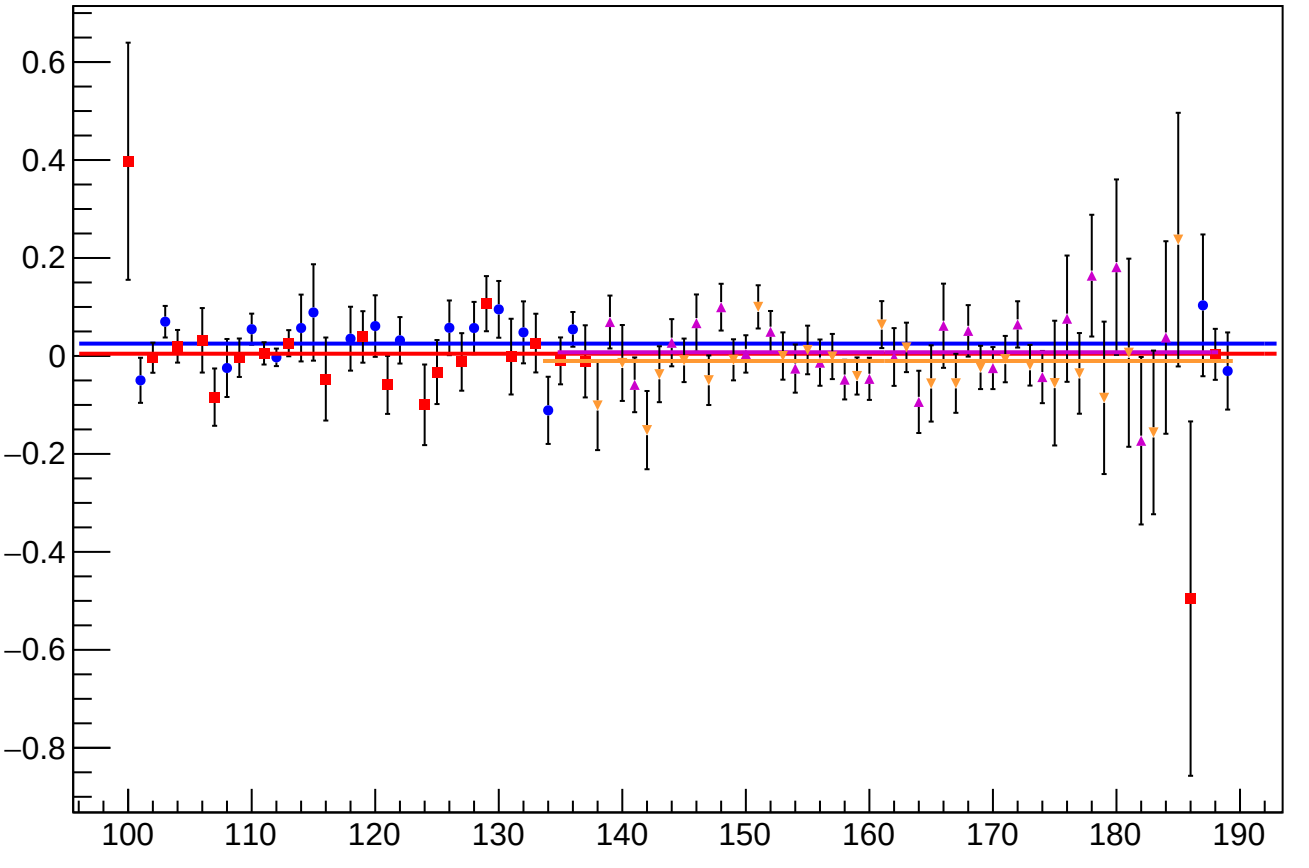
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 3482845.0/38

In: 0.000+/-0.000 χ^2/NDF:3691579.7/40

Out: 0.000+/-0.000 χ^2/NDF:4116013.7/45

All: 0.000+/-0.000 χ^2/NDF: 7830843.8/86



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

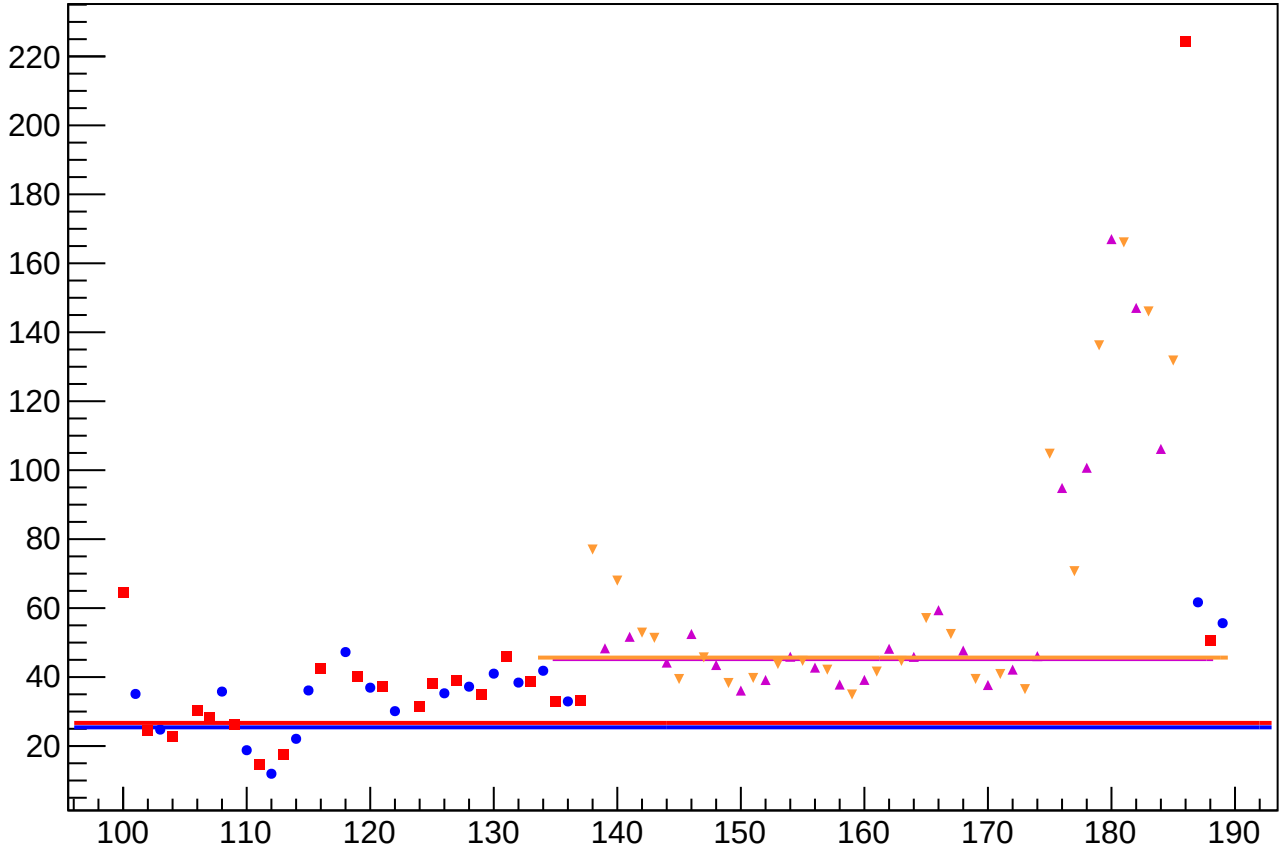
Right: 0.015+/-0.007 χ^2/NDF: 34.9/38

In: 0.017+/-0.008 χ^2/NDF:41.9/40

Out: -0.002+/-0.008 χ^2/NDF:34.5/45

All: 0.008+/-0.005 χ^2/NDF: 79.7/86

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.420+/-0.007 χ^2/NDF: 2724335.9/17

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 26.706+/-0.007 χ^2/NDF: 2649108.7/20

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

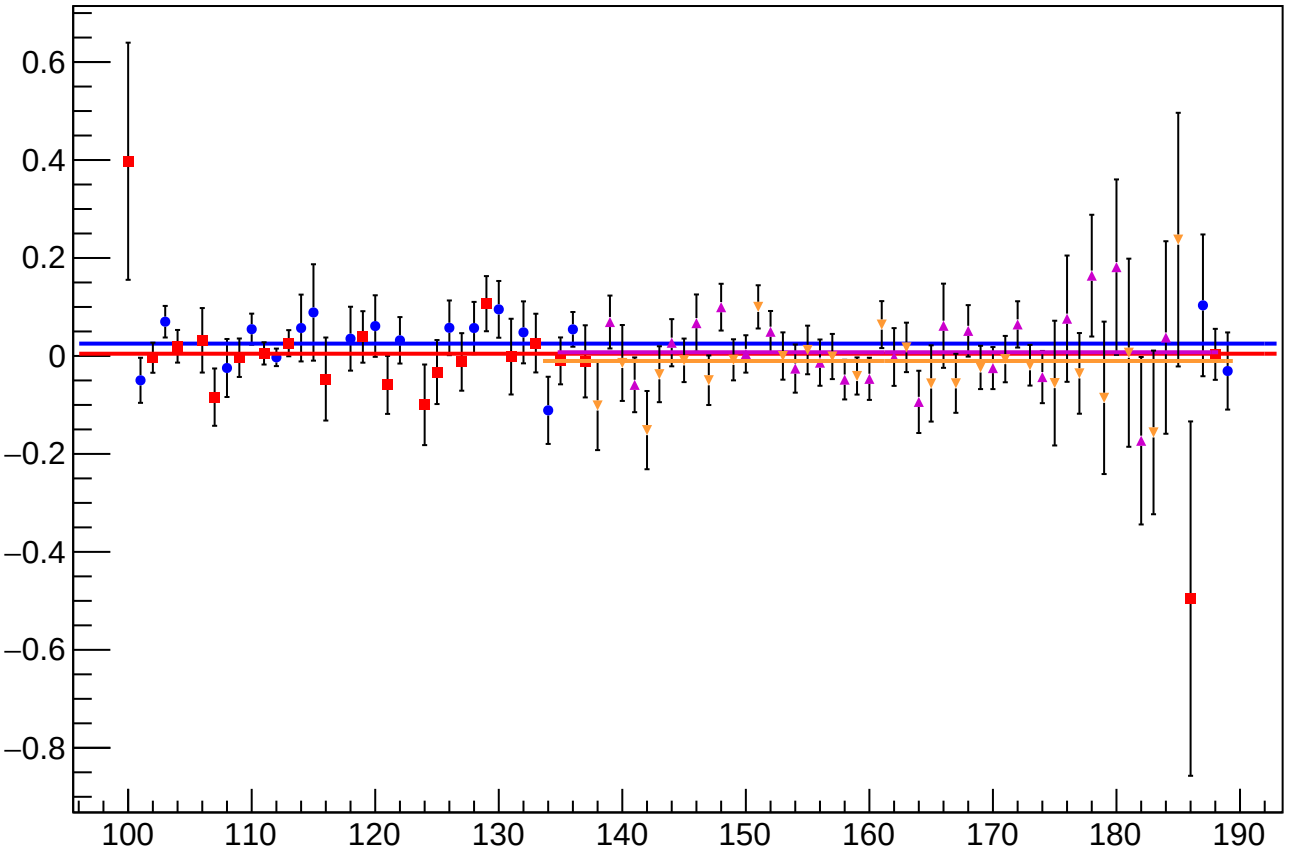
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 26.069+/-0.005 χ^2/NDF: 5389355.8/38

In: 34.249+/-0.005 χ^2/NDF:9048991.6/40

Out: 35.182+/-0.005 χ^2/NDF:9784181.9/45

All: 34.721+/-0.004 χ^2/NDF: 18848301.3/86



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

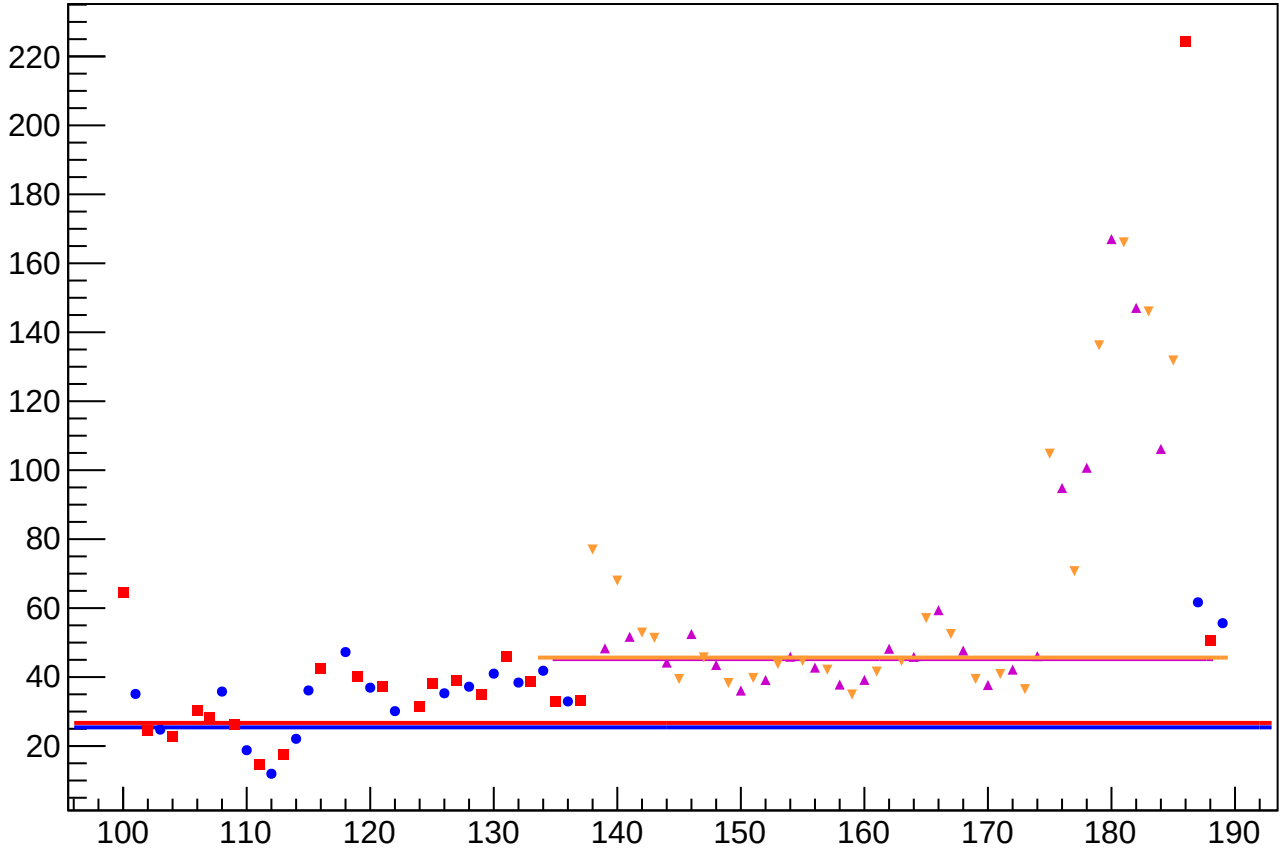
Right: 0.015+/-0.007 χ^2/NDF: 34.9/38

In: 0.017+/-0.008 χ^2/NDF:41.9/40

Out: -0.002+/-0.008 χ^2/NDF:34.5/45

All: 0.008+/-0.005 χ^2/NDF: 79.7/86

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.420+/-0.007 χ^2/NDF: 2724335.9/17

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 26.706+/-0.007 χ^2/NDF: 2649108.7/20

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

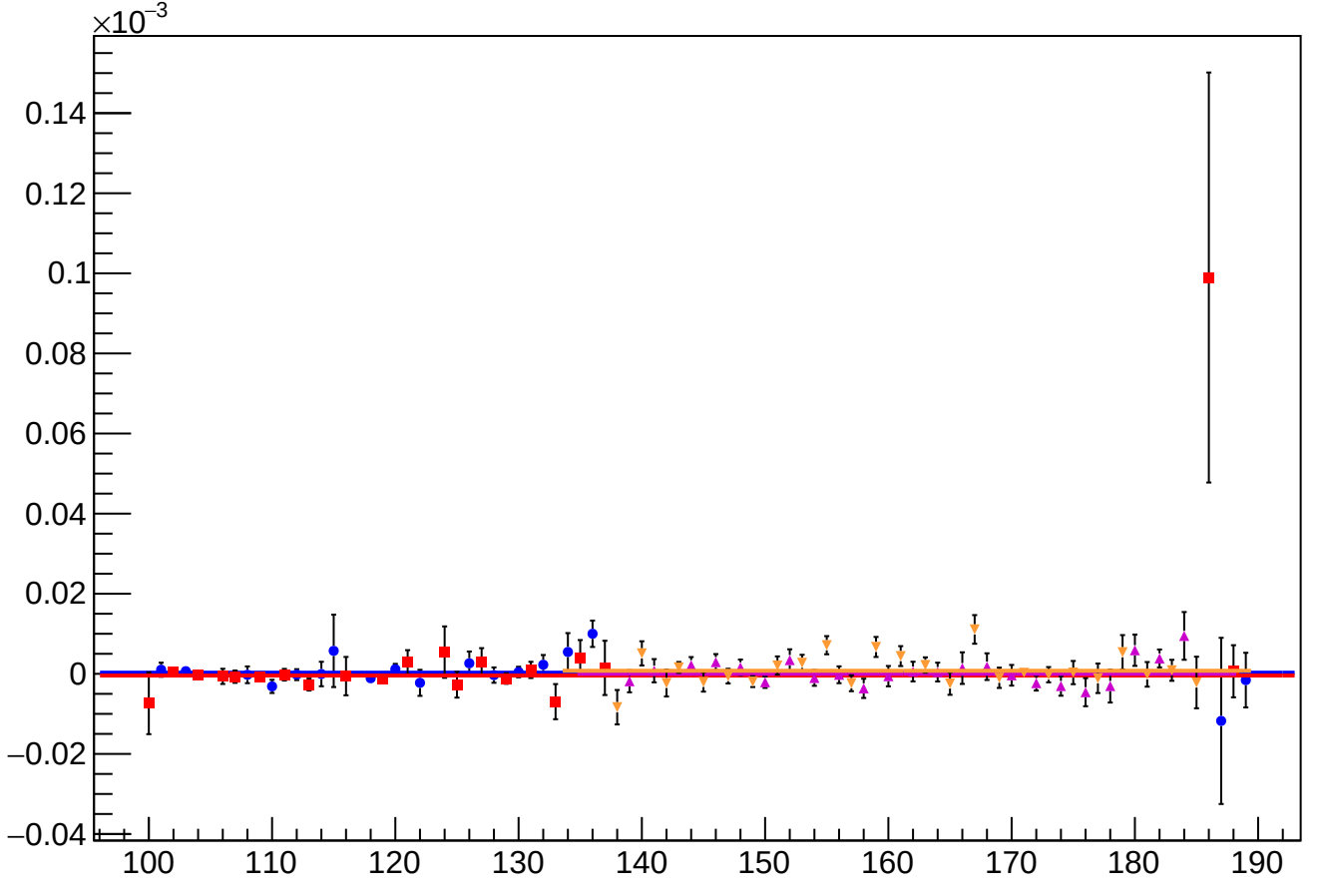
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 26.069+/-0.005 χ^2/NDF: 5389355.8/38

In: 34.249+/-0.005 χ^2/NDF:9048991.6/40

Out: 35.182+/-0.005 χ^2/NDF:9784181.9/45

All: 34.721+/-0.004 χ^2/NDF: 18848301.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/20

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

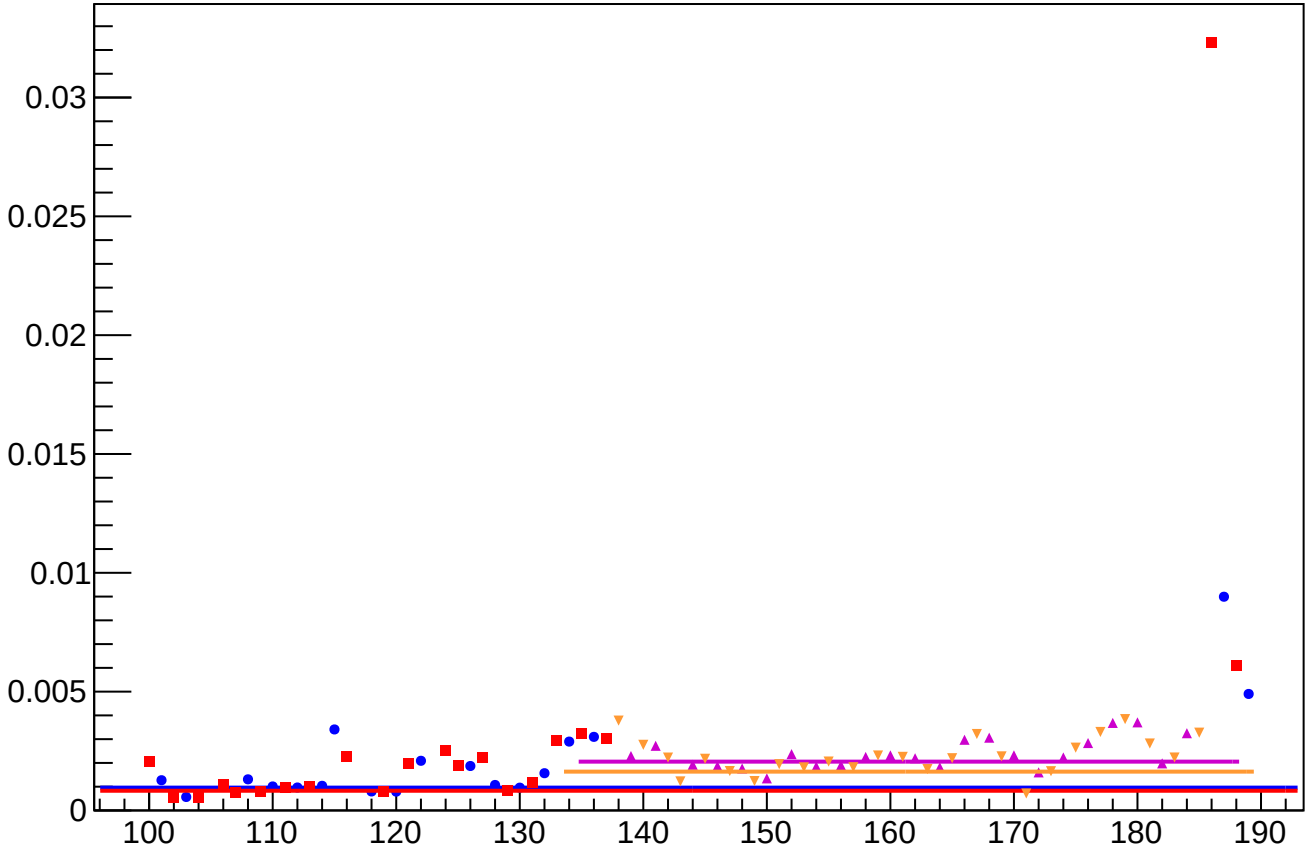
Right: -0.000+/-0.000 χ^2/NDF: 38.1/38

In: 0.000+/-0.000 χ^2/NDF:44.4/40

Out: 0.000+/-0.000 χ^2/NDF:67.6/45

All: 0.000+/-0.000 χ^2/NDF: 112.1/86

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3636890.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5313028.7/20

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

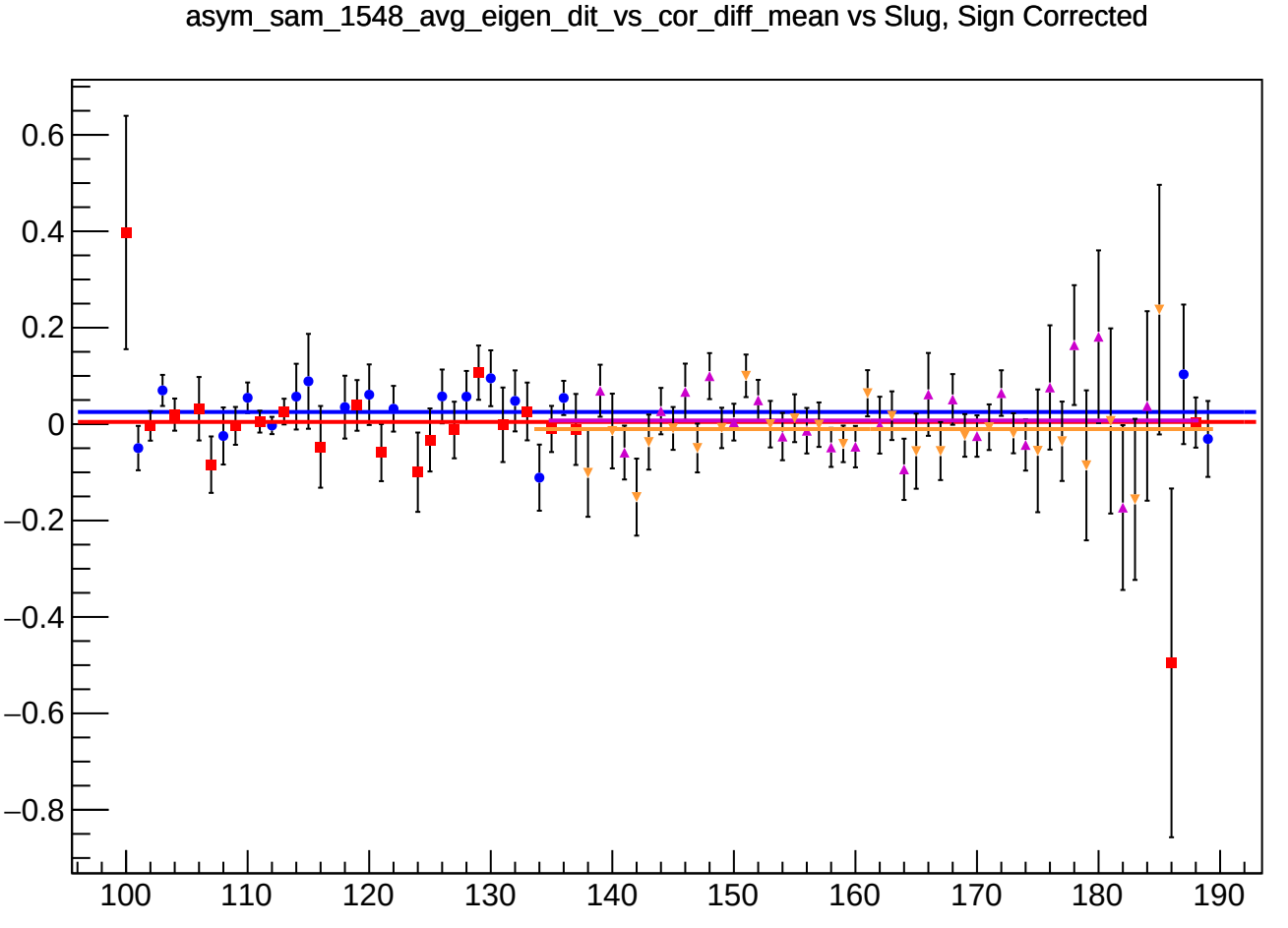
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 9075183.3/38

In: 0.001+/-0.000 χ^2/NDF:11546465.5/40

Out: 0.001+/-0.000 χ^2/NDF:16346462.6/45

All: 0.001+/-0.000 χ^2/NDF: 28531190.5/86



Right In: 0.025+/-0.010 χ^2/NDF: 17.3/17

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

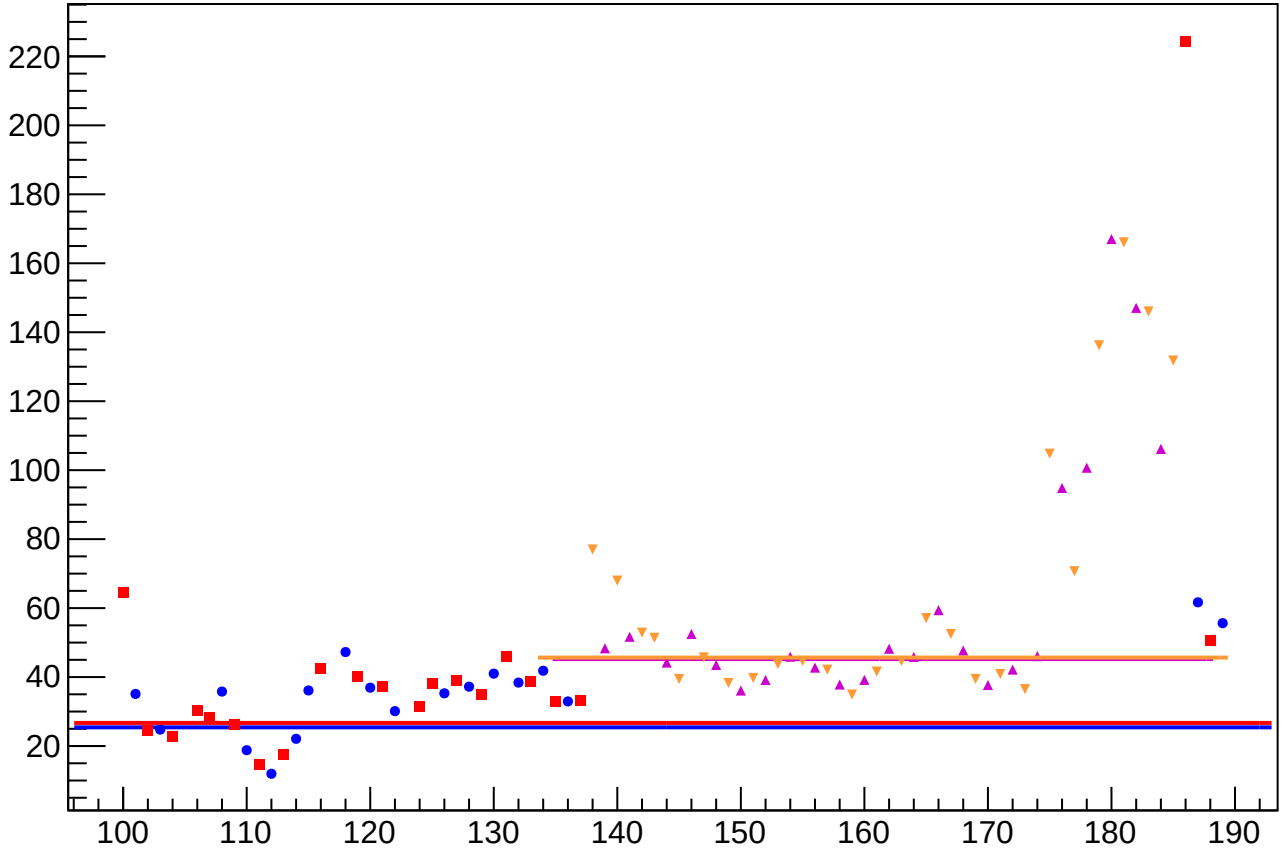
Right: 0.015+/-0.007 χ^2/NDF: 34.9/38

In: 0.017+/-0.008 χ^2/NDF:41.9/40

Out: -0.002+/-0.008 χ^2/NDF:34.5/45

All: 0.008+/-0.005 χ^2/NDF: 79.7/86

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.420+/-0.007 χ^2/NDF: 2724518.0/17

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 26.706+/-0.007 χ^2/NDF: 2649264.4/20

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

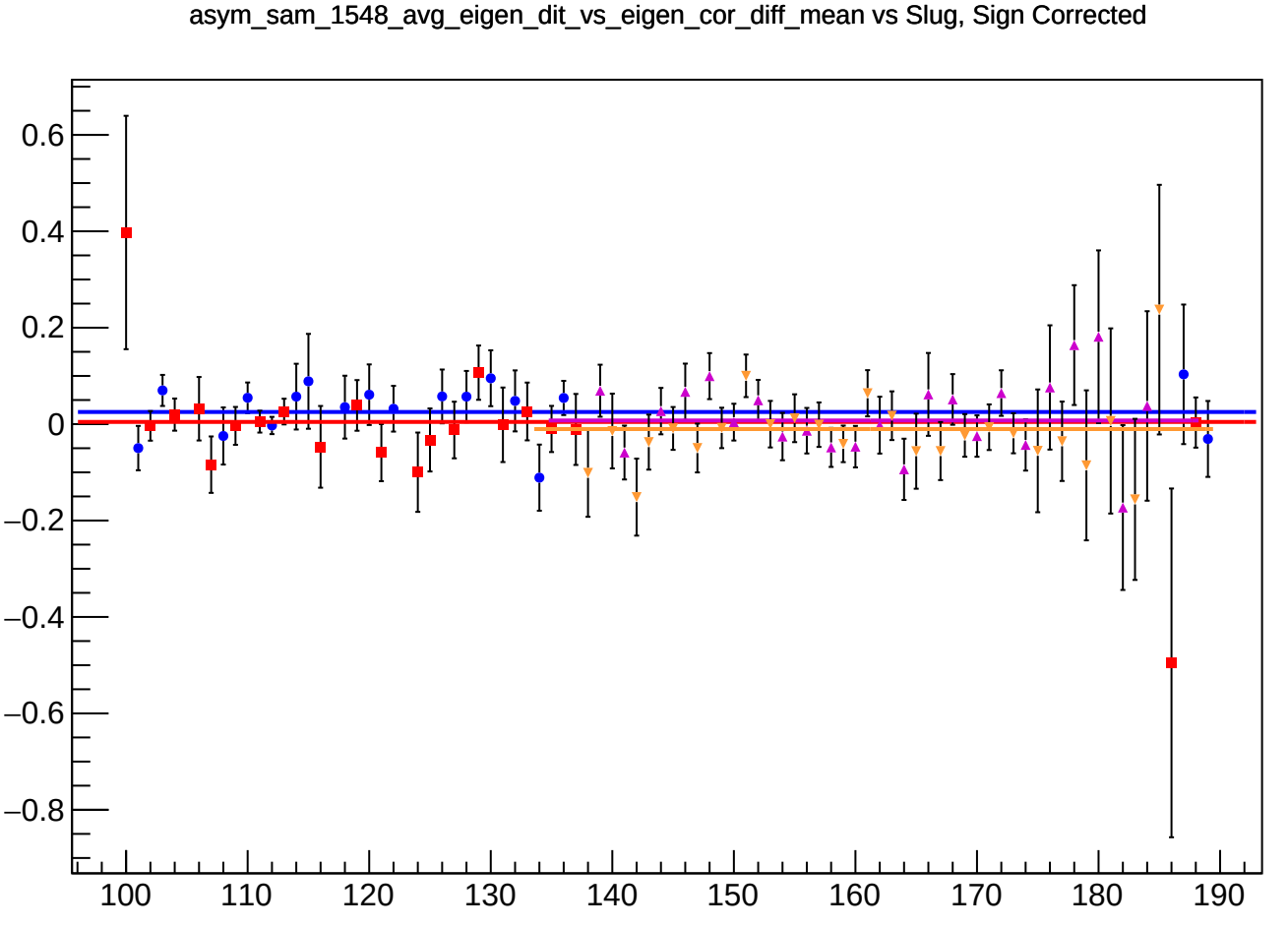
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 26.069+/-0.005 χ^2/NDF: 5389697.9/38

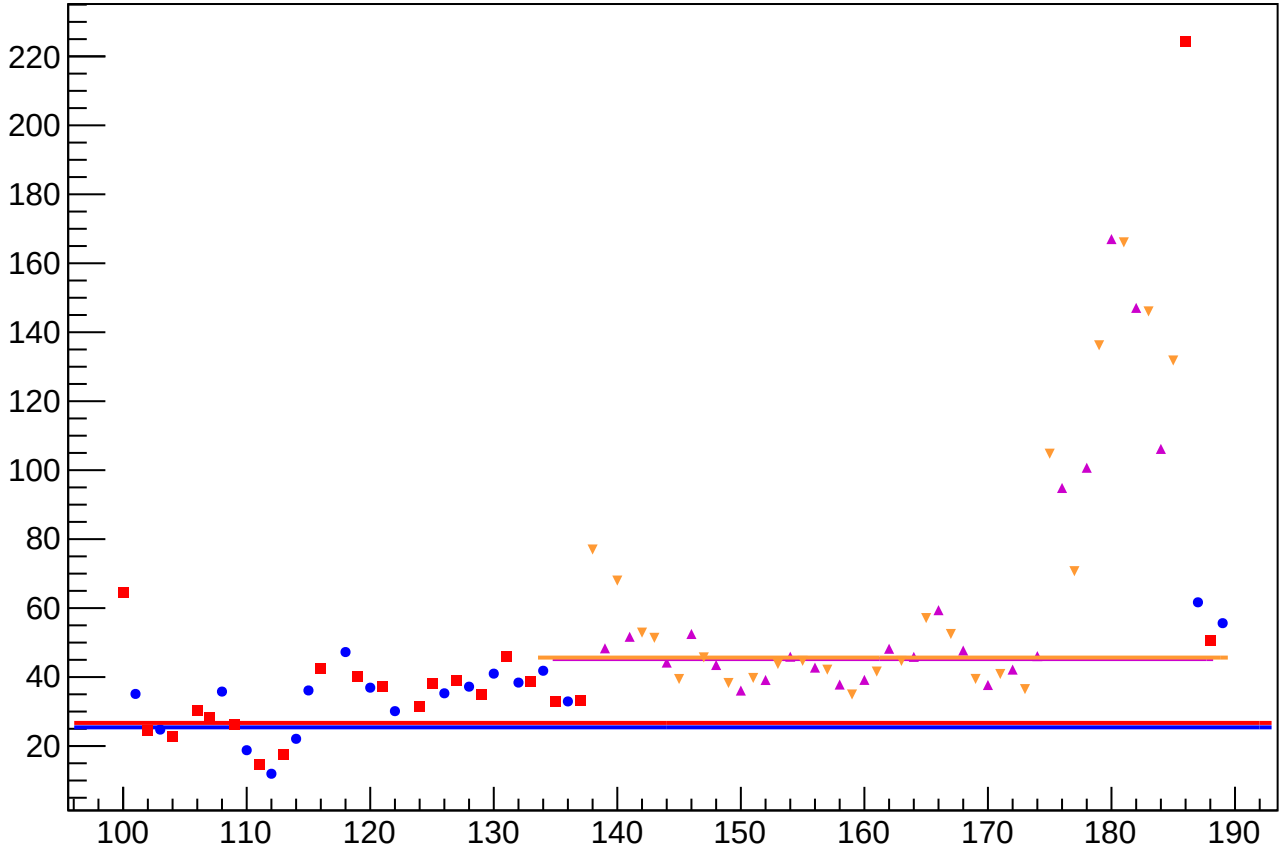
In: 34.249+/-0.005 χ^2/NDF:9049439.5/40

Out: 35.182+/-0.005 χ^2/NDF:9784528.1/45

All: 34.721+/-0.004 χ^2/NDF: 18849099.8/86


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
110
120
130
140
150
160
170
180
190
Right In: 0.025+/-0.010 χ²/NDF: 17.3/17
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.005+/-0.010 χ²/NDF: 15.5/20
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.015+/-0.007 χ²/NDF: 34.9/38
In: 0.017+/-0.008 χ²/NDF:41.9/40
Out: -0.002+/-0.008 χ²/NDF:34.5/45
All: 0.008+/-0.005 χ²/NDF: 79.7/86

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.420+/-0.007 χ^2/NDF: 2724518.0/17

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 26.706+/-0.007 χ^2/NDF: 2649264.4/20

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

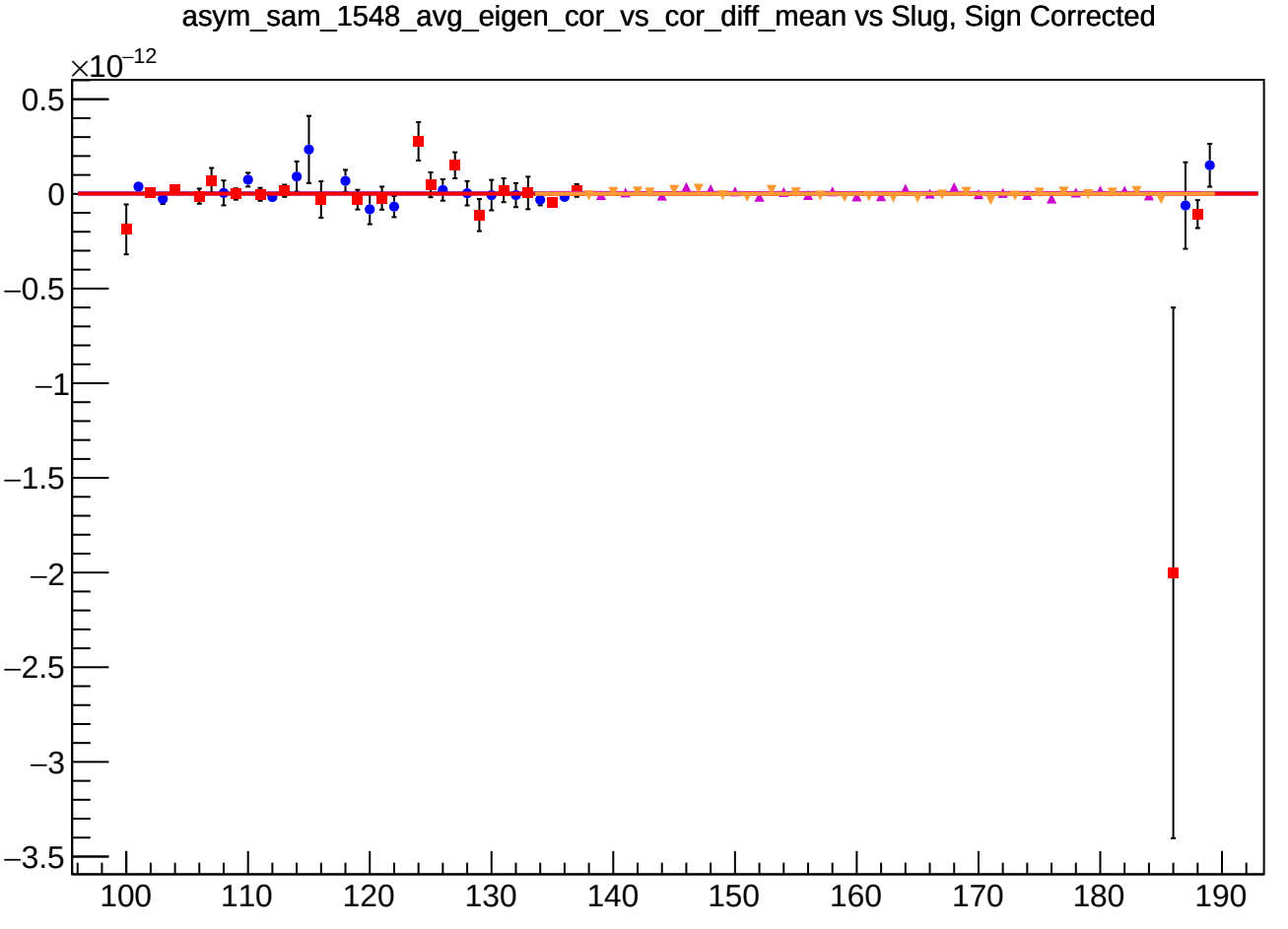
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 26.069+/-0.005 χ^2/NDF: 5389697.9/38

In: 34.249+/-0.005 χ^2/NDF:9049439.5/40

Out: 35.182+/-0.005 χ^2/NDF:9784528.1/45

All: 34.721+/-0.004 χ^2/NDF: 18849099.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 20.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.7/20

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

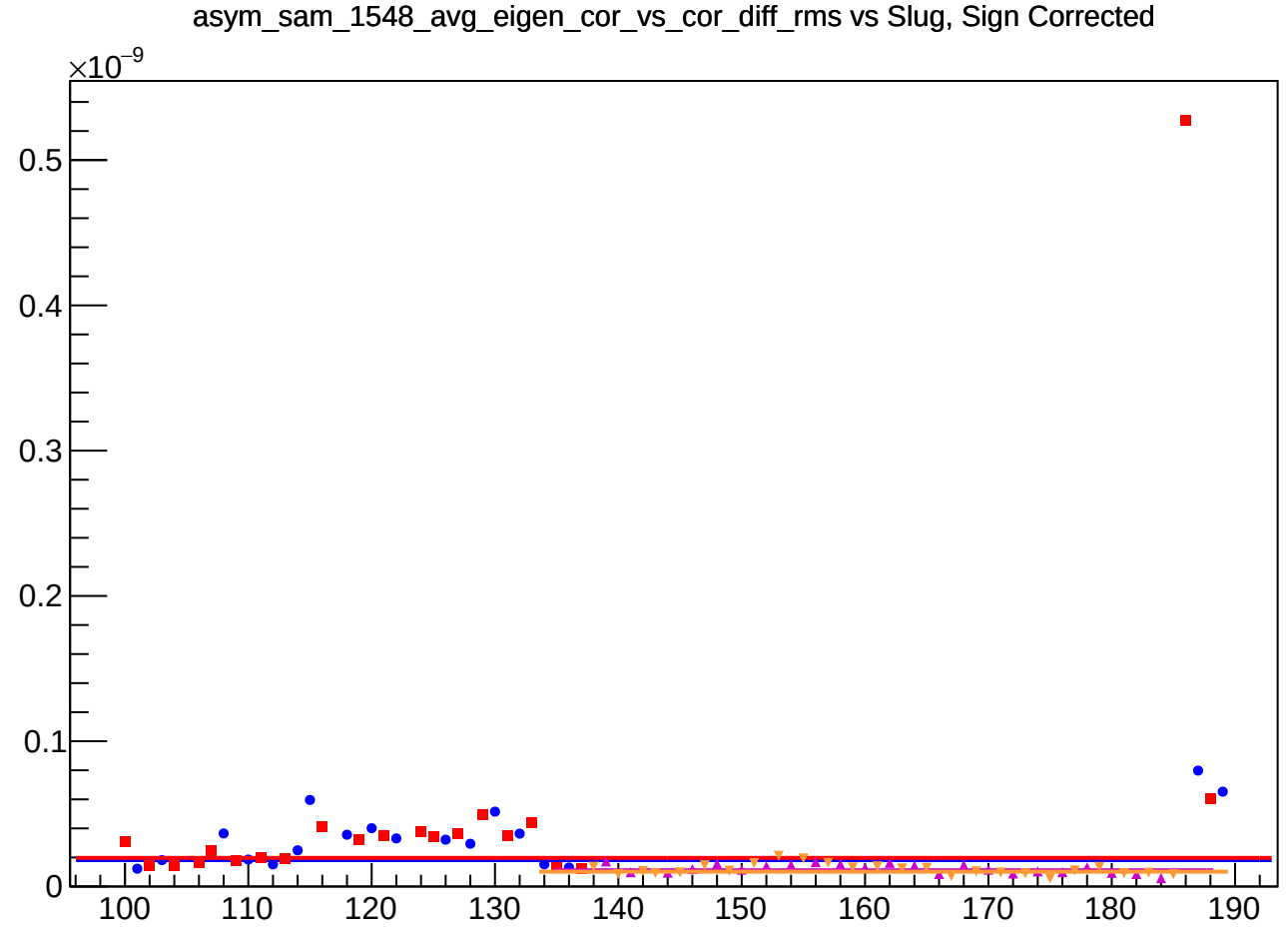
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 48.2/38

In: 0.000+/-0.000 χ^2/NDF:44.3/40

Out: 0.000+/-0.000 χ^2/NDF:53.1/45

All: 0.000+/-0.000 χ^2/NDF: 98.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 2365632.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2505027.3/20

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

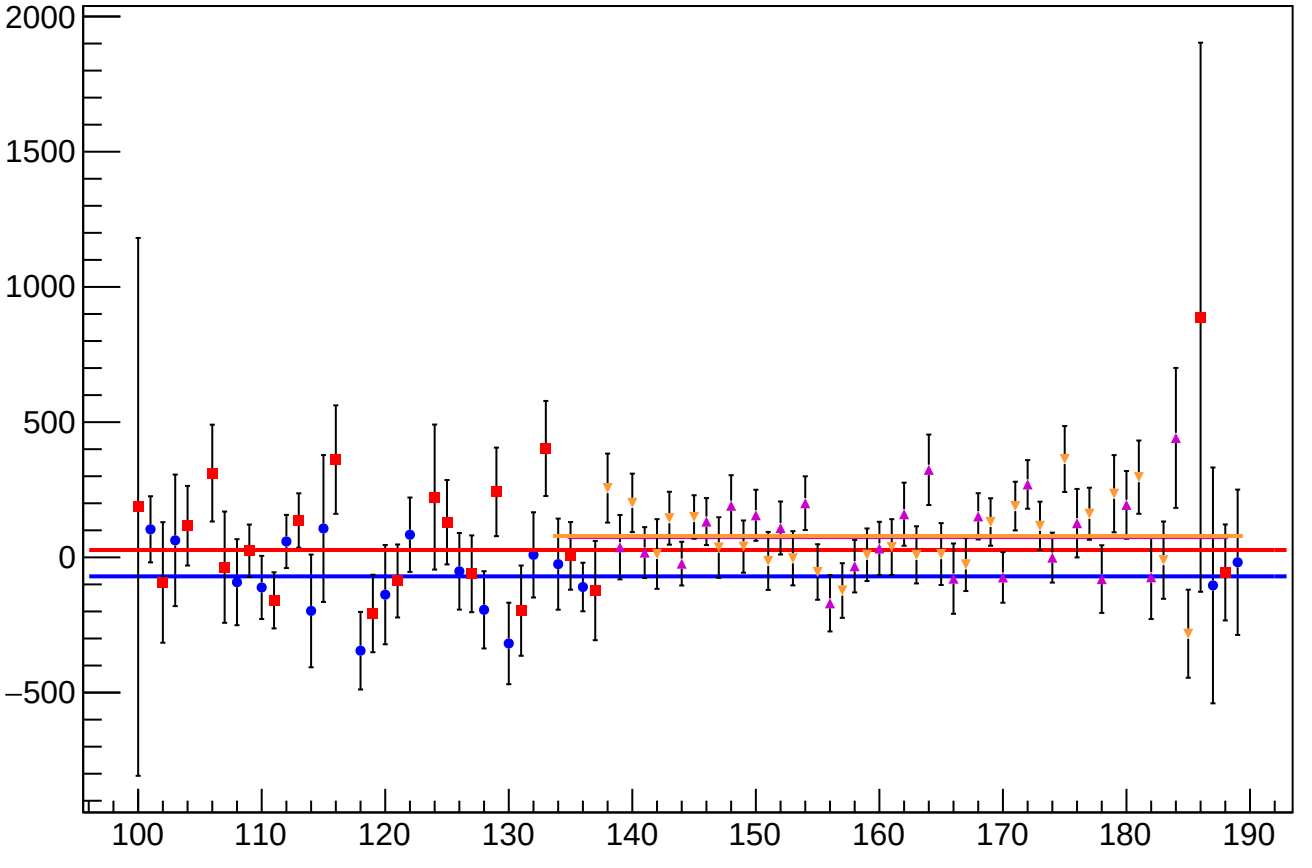
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 4899516.2/38

In: 0.000+/-0.000 χ^2/NDF:5063829.7/40

Out: 0.000+/-0.000 χ^2/NDF:6745405.4/45

All: 0.000+/-0.000 χ^2/NDF: 11909105.5/86



Right In: -70.218+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 27.298+/-33.604 χ^2/NDF: 25.0/20

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

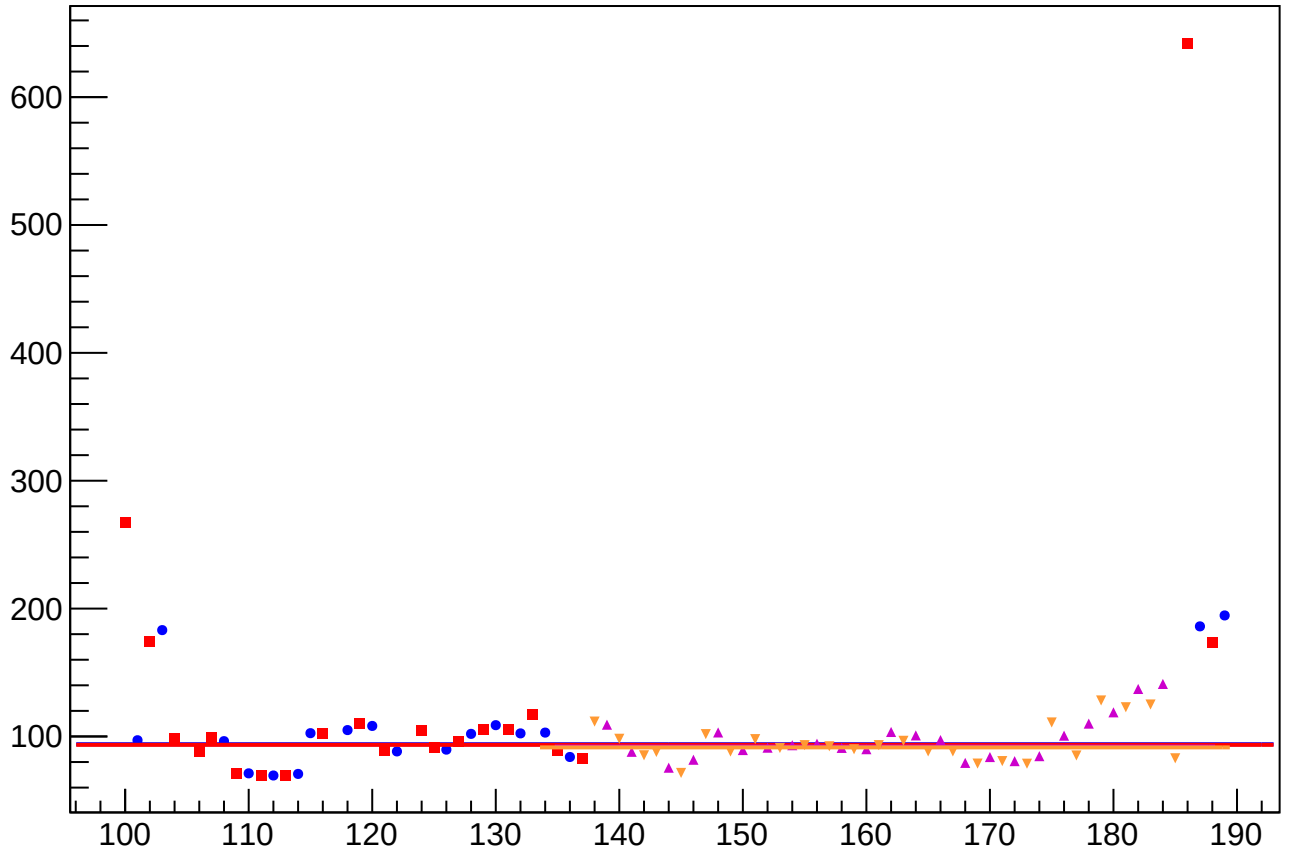
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -19.875+/-24.145 χ^2/NDF: 43.1/38

In: 33.865+/-18.484 χ^2/NDF:59.3/40

Out: 64.448+/-17.871 χ^2/NDF:58.6/45

All: 49.672+/-12.848 χ^2/NDF: 119.3/86



Right In: 93.927+/-0.025 χ^2/NDF: 959708.4/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 93.447+/-0.024 χ^2/NDF: 1755584.1/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

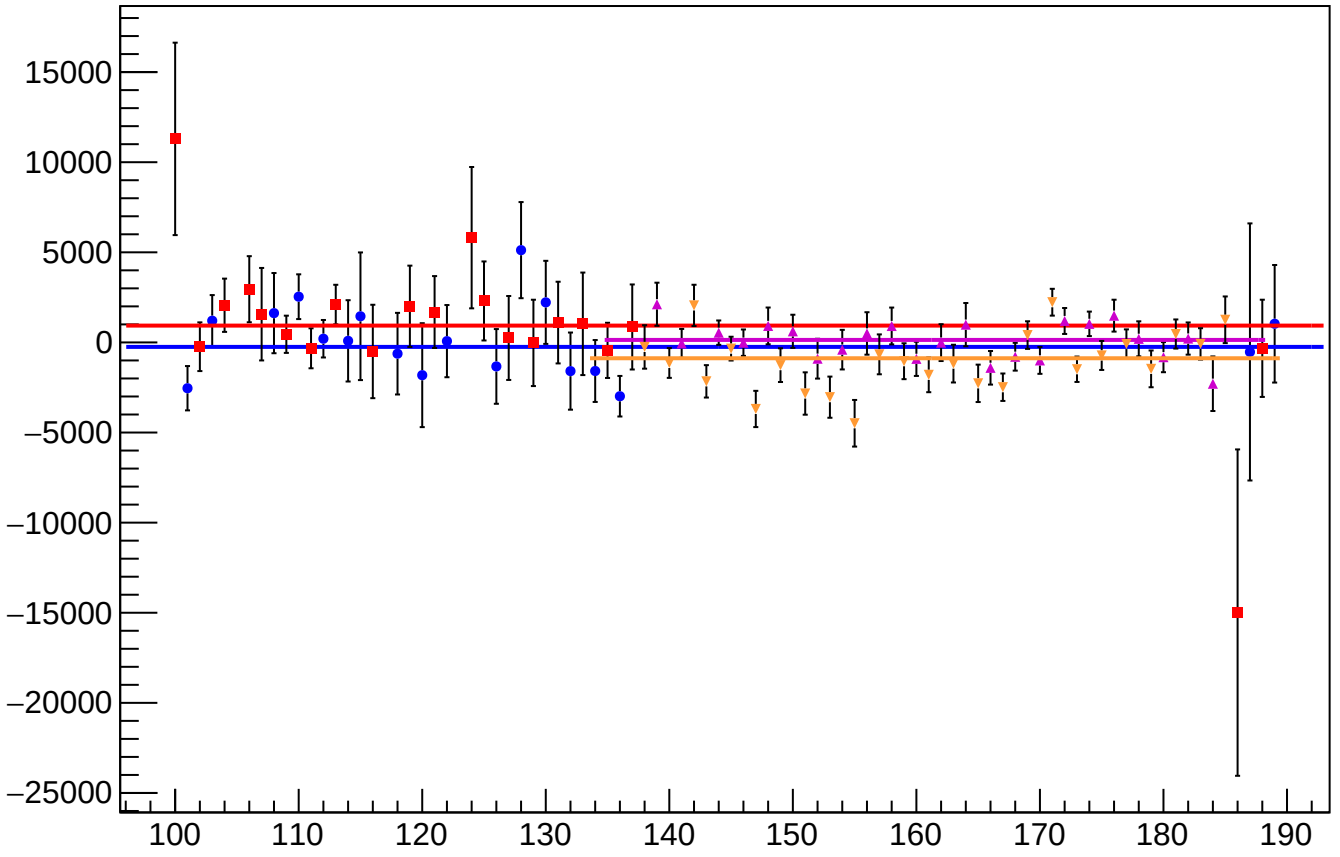
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 93.679+/-0.017 χ^2/NDF: 2715489.6/38

In: 92.618+/-0.013 χ^2/NDF:1663263.5/40

Out: 92.023+/-0.013 χ^2/NDF:2511803.7/45

All: 92.311+/-0.009 χ^2/NDF: 4176138.4/86



Right In: -248.224+/-415.442 χ^2/NDF: 23.6/17

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 933.619+/-396.091 χ^2/NDF: 16.0/20

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

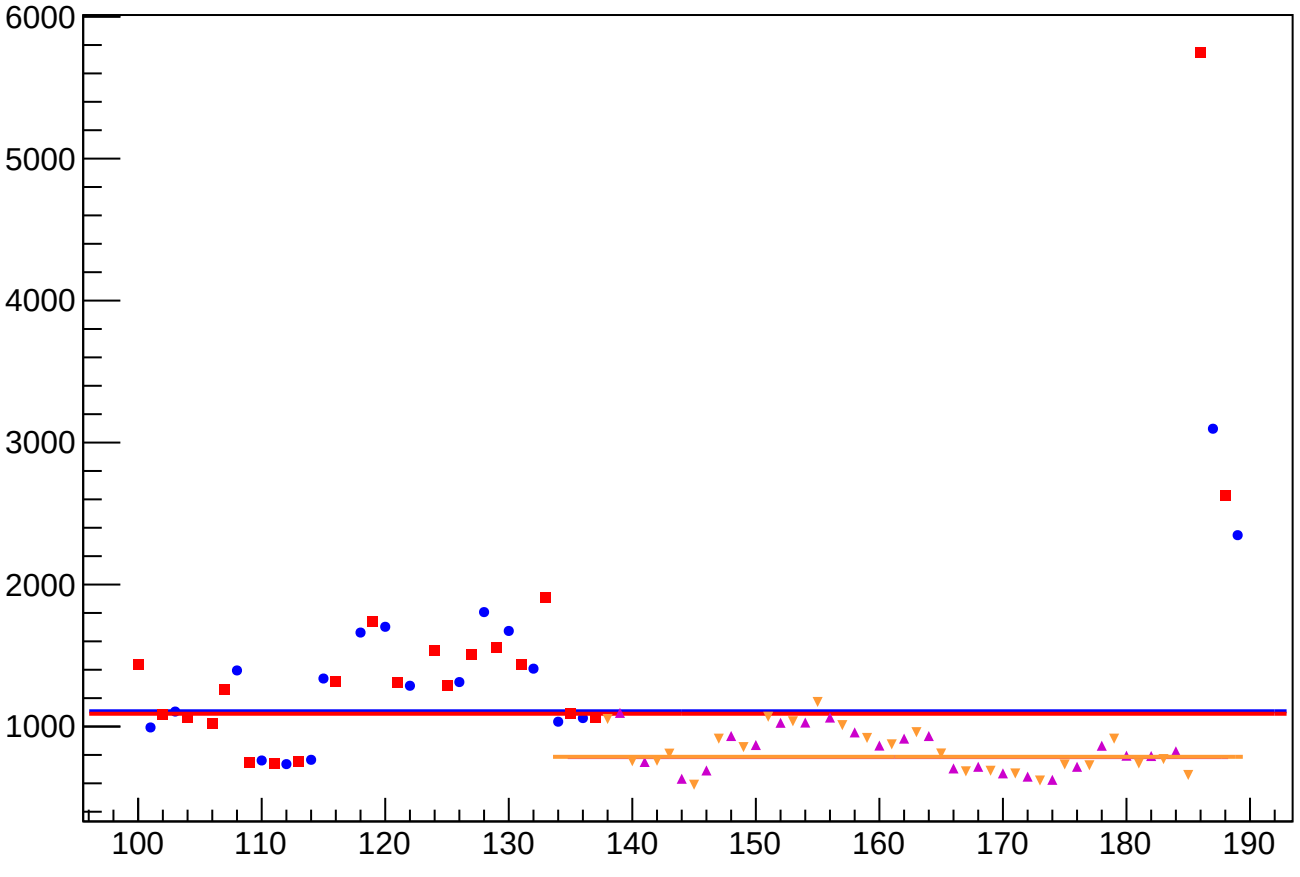
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

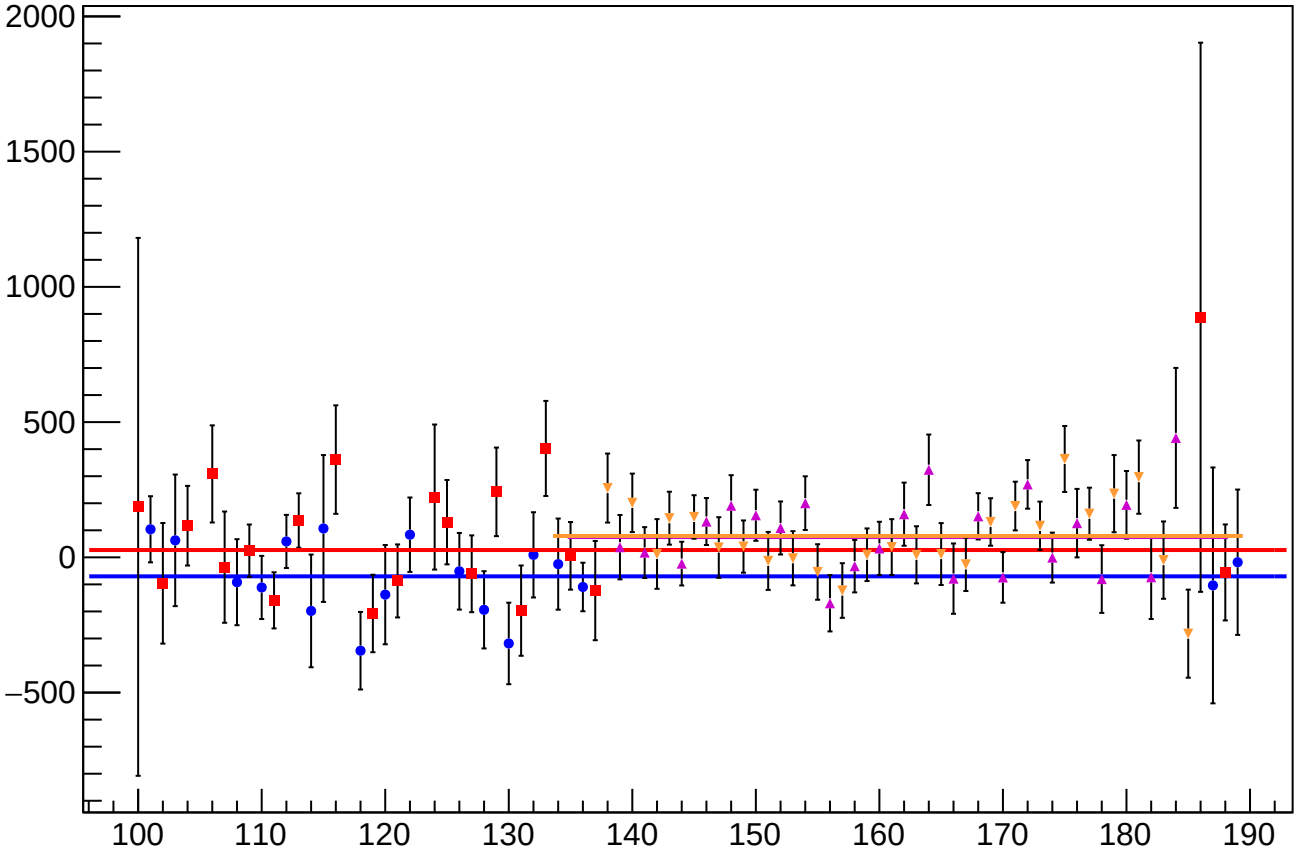
Right: 370.863+/-286.675 χ^2/NDF: 43.8/38

In: 73.783+/-170.198 χ^2/NDF:48.5/40

Out: -562.032+/-165.518 χ^2/NDF:101.0/45

All: -252.986+/-118.659 χ^2/NDF: 156.7/86


asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1107.458+/-0.294 χ²/NDF: 1506947.9/17
Left Out: 786.758+/-0.129 χ²/NDF:1210893.0/24
Right Out: 1090.104+/-0.280 χ²/NDF: 2398869.0/20
Left In: 784.833+/-0.132 χ²/NDF:1063747.2/22
Left: 785.819+/-0.092 χ²/NDF: 2274749.2/47
Right: 1098.368+/-0.203 χ²/NDF: 3907644.9/38
In: 838.981+/-0.120 χ²/NDF:3574416.3/40
Out: 839.730+/-0.117 χ²/NDF:4577972.6/45
All: 839.366+/-0.084 χ²/NDF: 8152408.8/86



Right In: -70.230+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 27.055+/-33.608 χ^2/NDF: 24.9/20

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

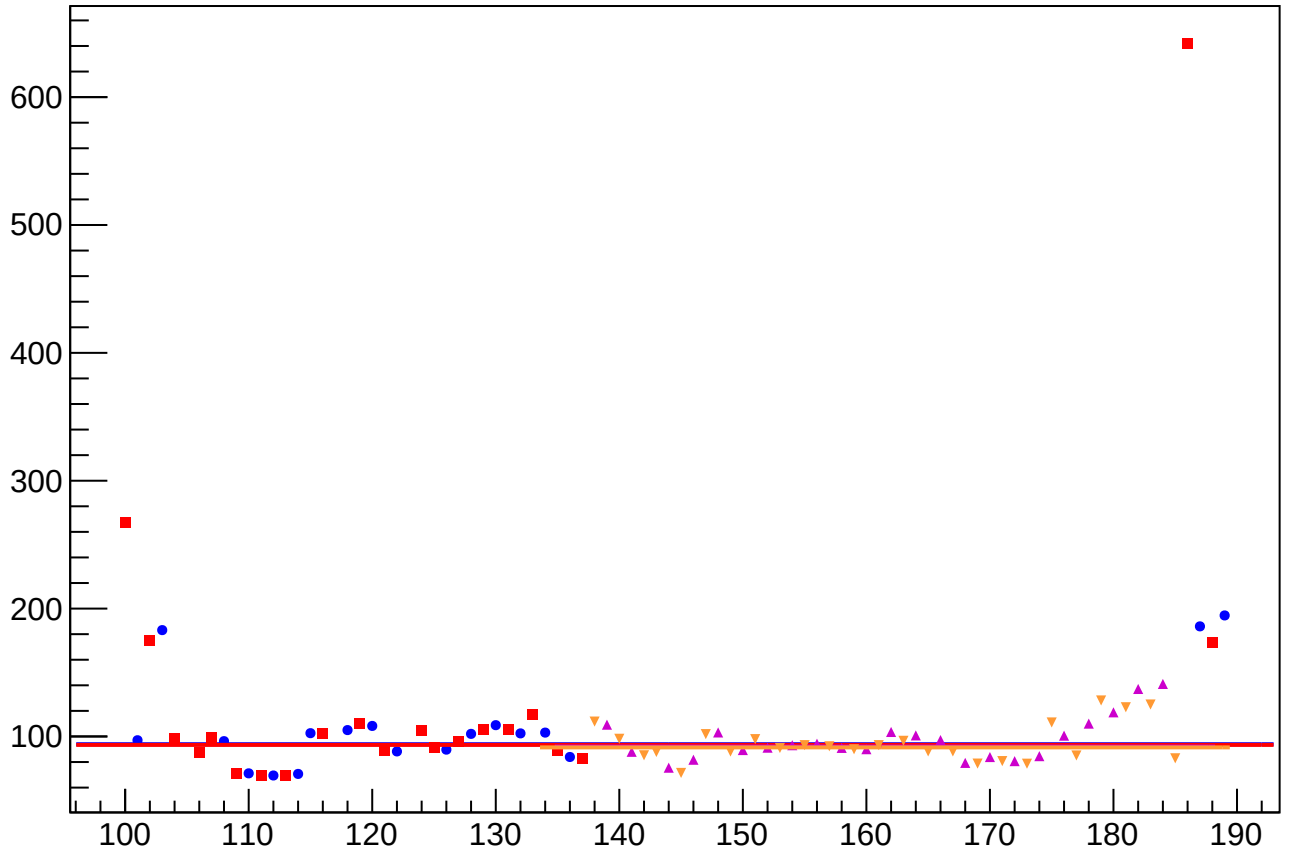
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -20.011+/-24.147 χ^2/NDF: 43.1/38

In: 33.862+/-18.484 χ^2/NDF:59.3/40

Out: 64.388+/-17.871 χ^2/NDF:58.6/45

All: 49.640+/-12.848 χ^2/NDF: 119.3/86



Right In: 93.927+/-0.025 χ^2/NDF: 959711.5/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 93.402+/-0.024 χ^2/NDF: 1756704.7/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

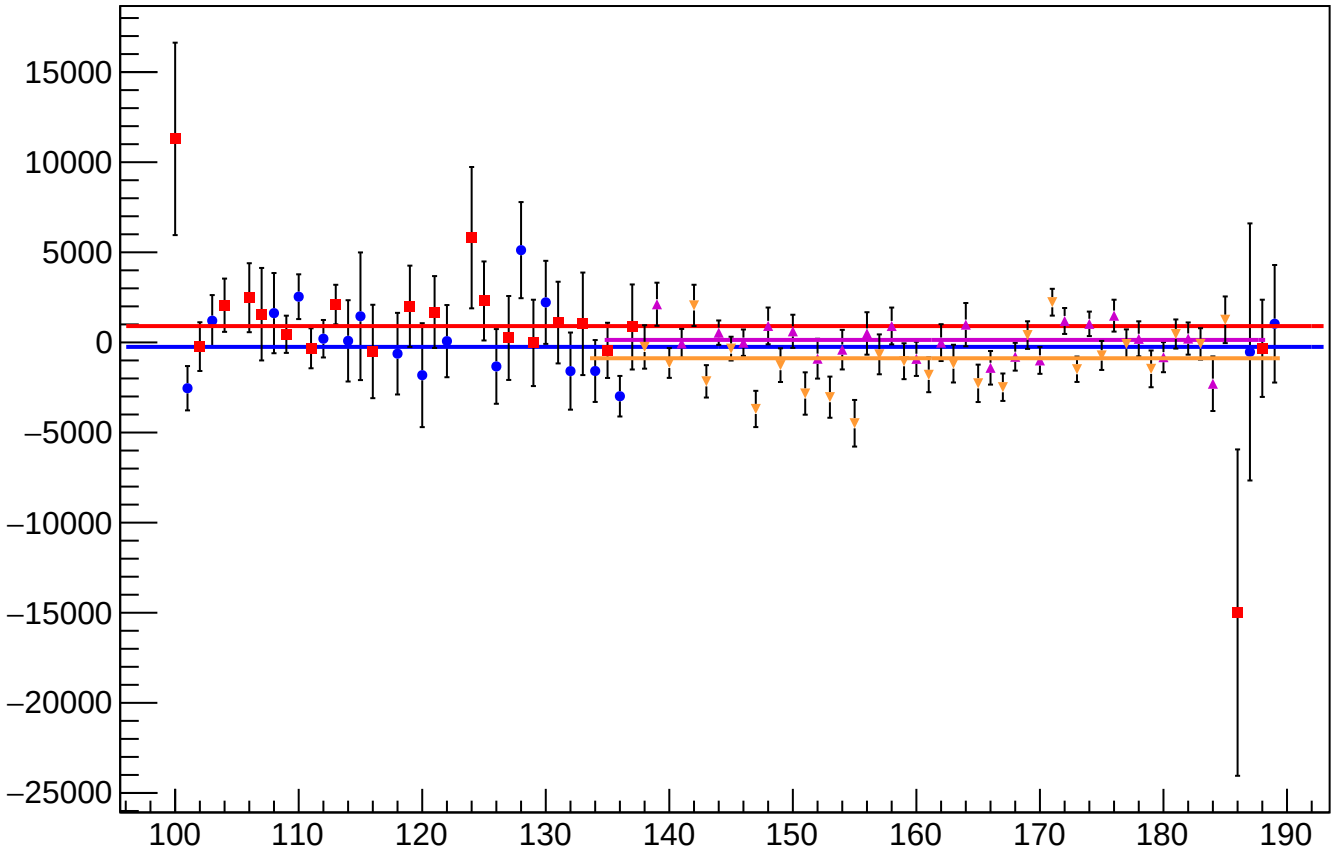
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 93.656+/-0.017 χ^2/NDF: 2716652.0/38

In: 92.618+/-0.013 χ^2/NDF:1663266.6/40

Out: 92.010+/-0.013 χ^2/NDF:2512699.9/45

All: 92.304+/-0.009 χ^2/NDF: 4177084.2/86



Right In: -248.244+/-415.445 χ^2/NDF: 23.6/17

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 906.353+/-396.871 χ^2/NDF: 15.4/20

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

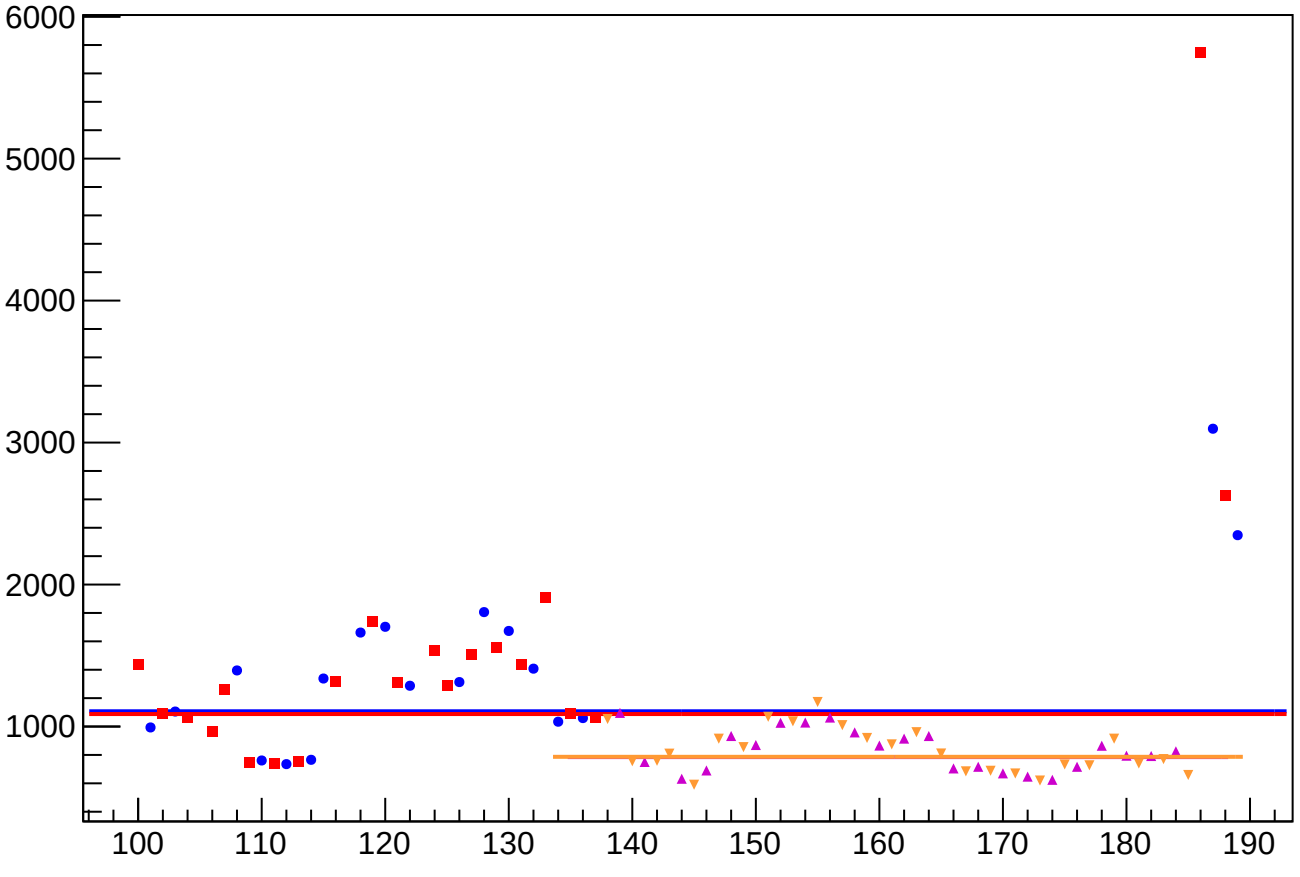
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 355.442+/-286.972 χ^2/NDF: 43.1/38

In: 73.782+/-170.198 χ^2/NDF:48.5/40

Out: -567.796+/-165.575 χ^2/NDF:99.9/45

All: -255.839+/-118.680 χ^2/NDF: 155.7/86



Right In: 1107.467+/-0.294 χ^2/NDF: 1506949.1/17

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1087.978+/-0.281 χ^2/NDF: 2404475.9/20

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

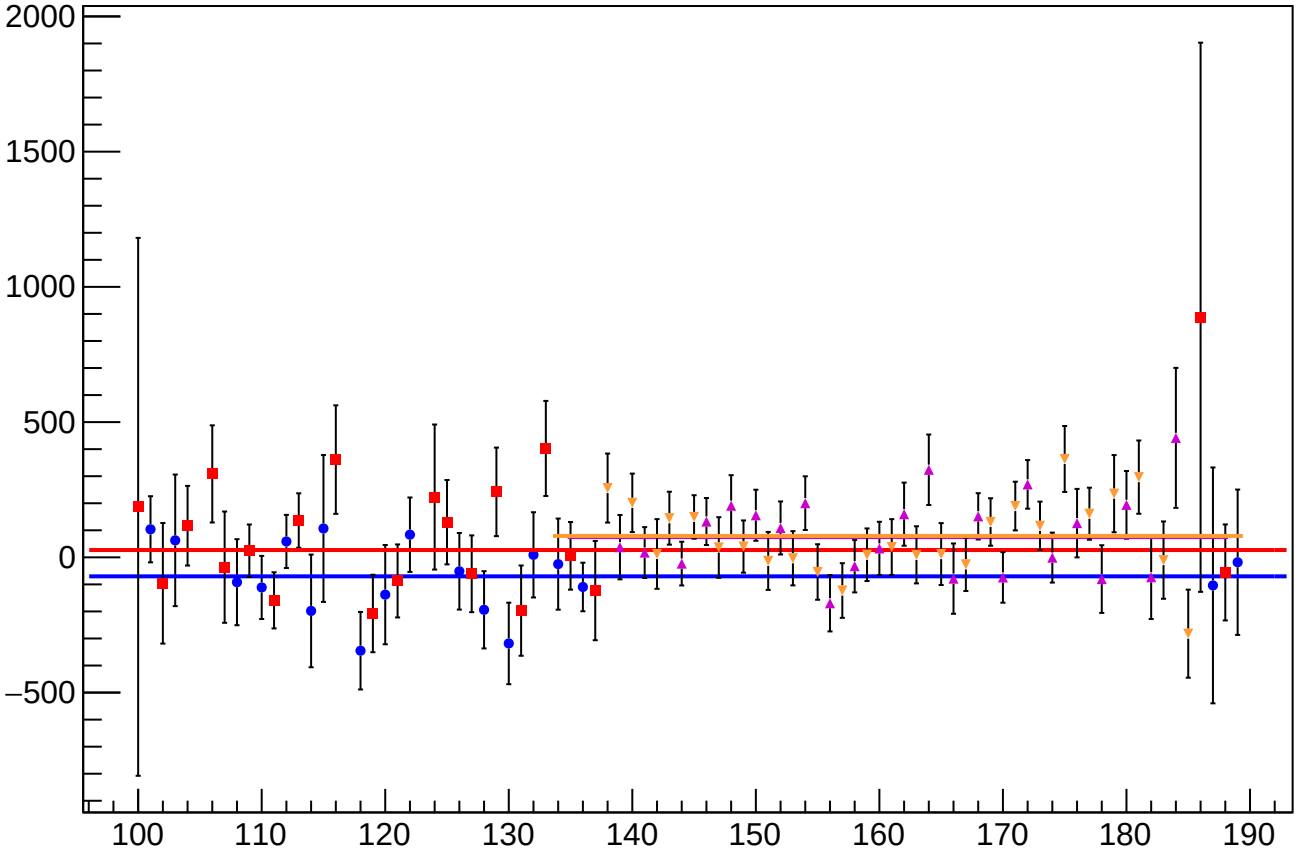
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1097.277+/-0.203 χ^2/NDF: 3913726.1/38

In: 838.982+/-0.120 χ^2/NDF:3574458.0/40

Out: 839.187+/-0.117 χ^2/NDF:4566960.0/45

All: 839.088+/-0.084 χ^2/NDF: 8141419.4/86



Right In: -70.230+/-34.715 χ^2/NDF: 14.1/17

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 27.055+/-33.608 χ^2/NDF: 24.9/20

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

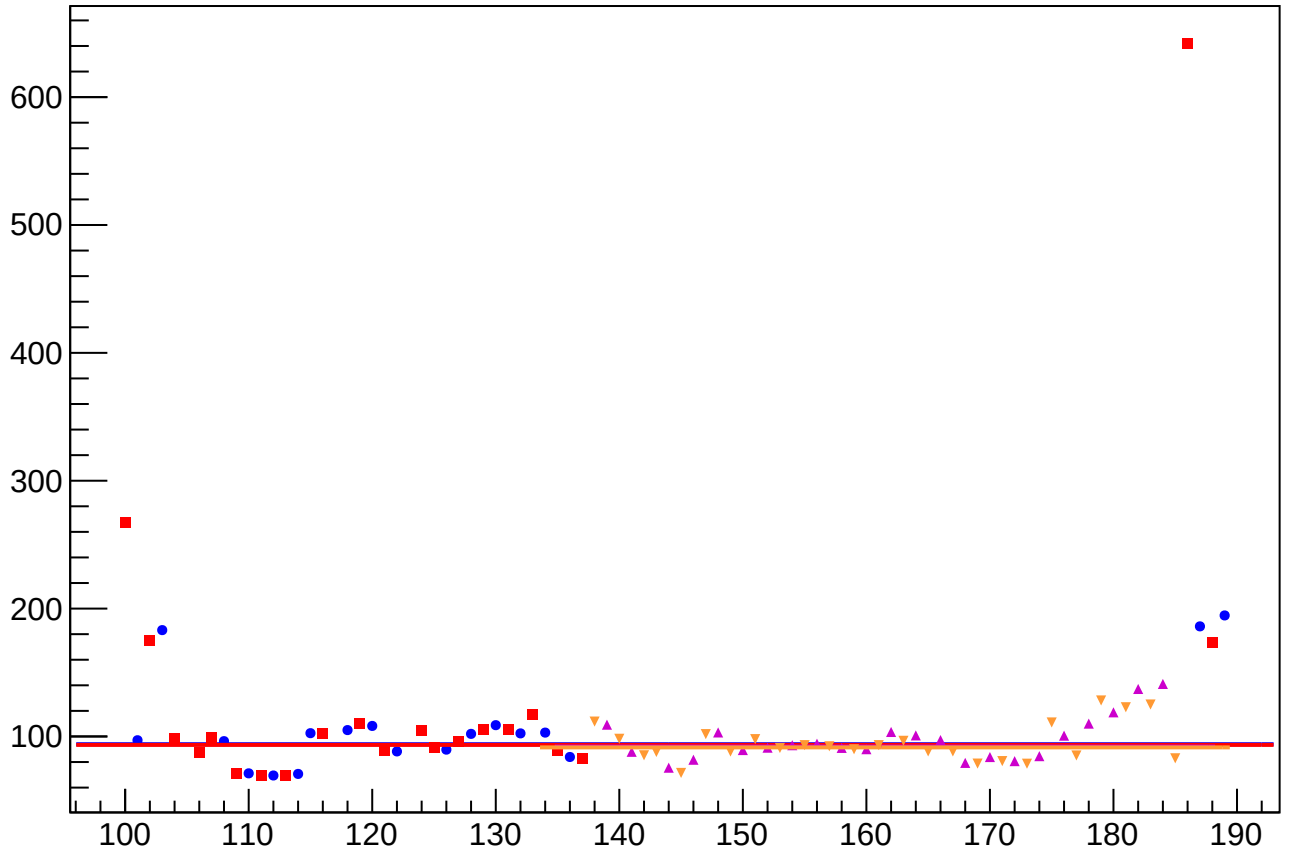
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -20.011+/-24.147 χ^2/NDF: 43.1/38

In: 33.862+/-18.484 χ^2/NDF:59.3/40

Out: 64.388+/-17.871 χ^2/NDF:58.6/45

All: 49.640+/-12.848 χ^2/NDF: 119.3/86



Right In: 93.927+/-0.025 χ^2/NDF: 959711.5/17

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 93.402+/-0.024 χ^2/NDF: 1756704.7/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

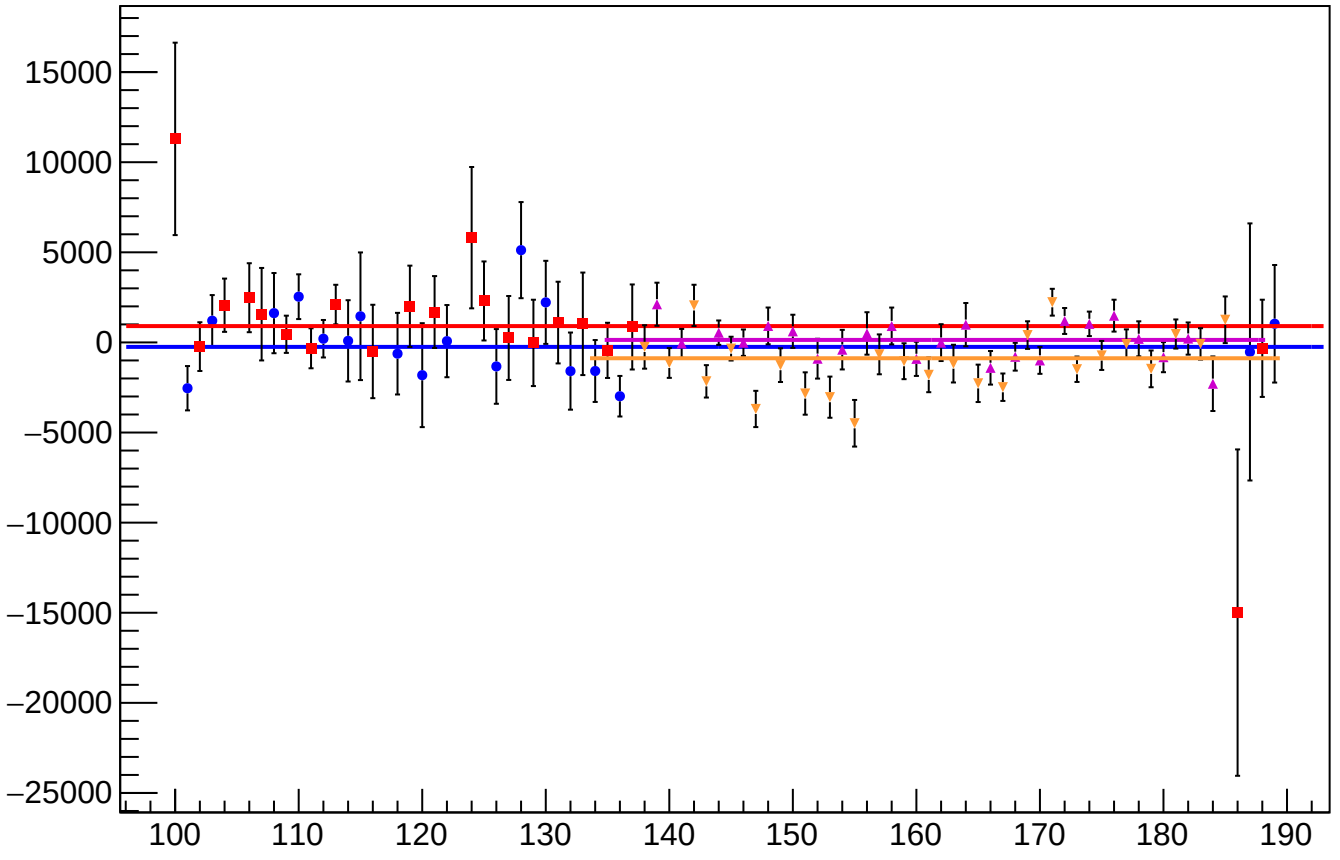
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 93.656+/-0.017 χ^2/NDF: 2716652.0/38

In: 92.618+/-0.013 χ^2/NDF:1663266.6/40

Out: 92.010+/-0.013 χ^2/NDF:2512699.9/45

All: 92.304+/-0.009 χ^2/NDF: 4177084.2/86



Right In: -248.244+/-415.445 χ^2/NDF: 23.6/17

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 906.353+/-396.871 χ^2/NDF: 15.4/20

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

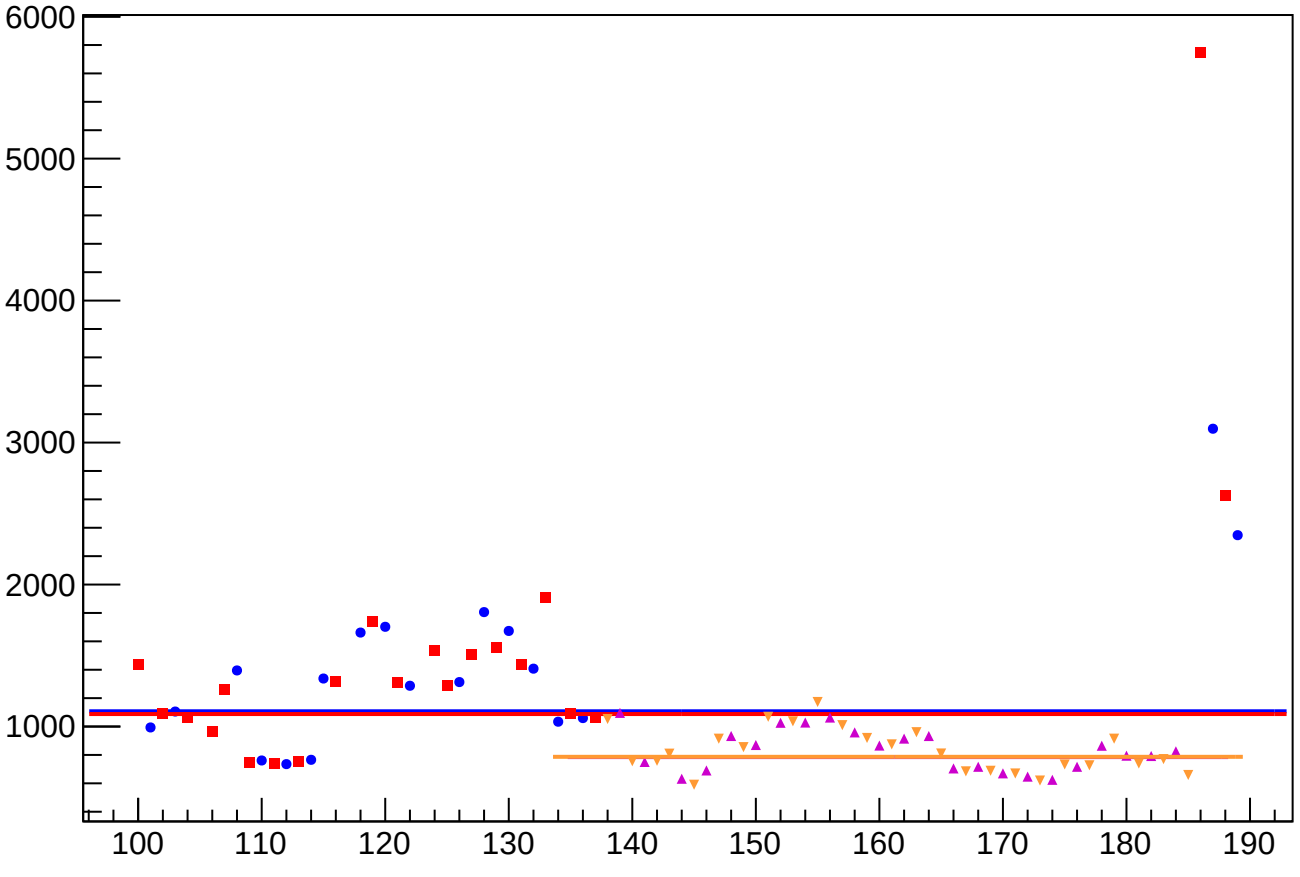
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 355.442+/-286.972 χ^2/NDF: 43.1/38

In: 73.782+/-170.198 χ^2/NDF:48.5/40

Out: -567.796+/-165.575 χ^2/NDF:99.9/45

All: -255.839+/-118.680 χ^2/NDF: 155.7/86



Right In: 1107.467+/-0.294 χ^2/NDF: 1506949.1/17

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1087.978+/-0.281 χ^2/NDF: 2404475.9/20

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

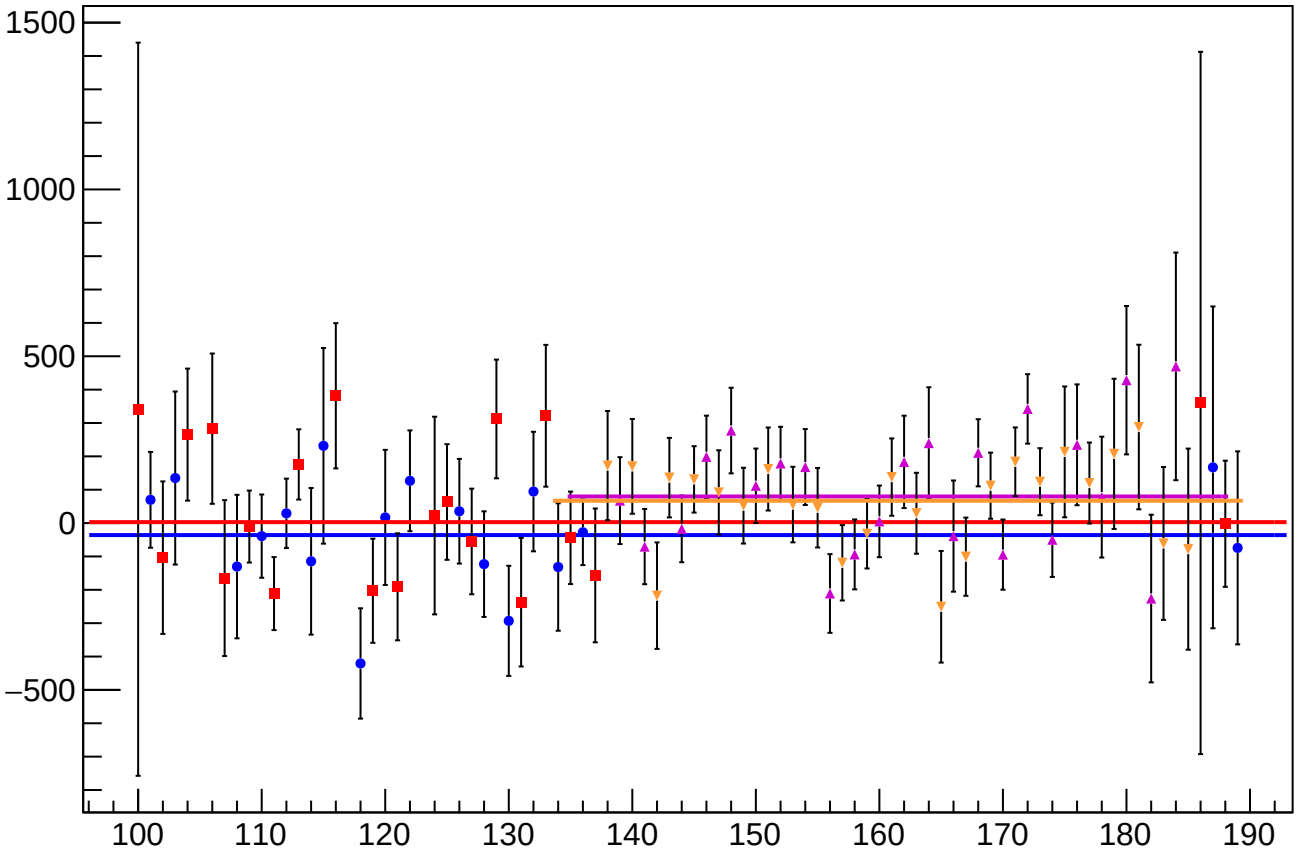
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1097.277+/-0.203 χ^2/NDF: 3913726.1/38

In: 838.982+/-0.120 χ^2/NDF:3574458.0/40

Out: 839.187+/-0.117 χ^2/NDF:4566960.0/45

All: 839.088+/-0.084 χ^2/NDF: 8141419.4/86



Right In: -35.960+/-38.518 χ^2/NDF: 13.1/17

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 2.840+/-37.386 χ^2/NDF: 24.9/20

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

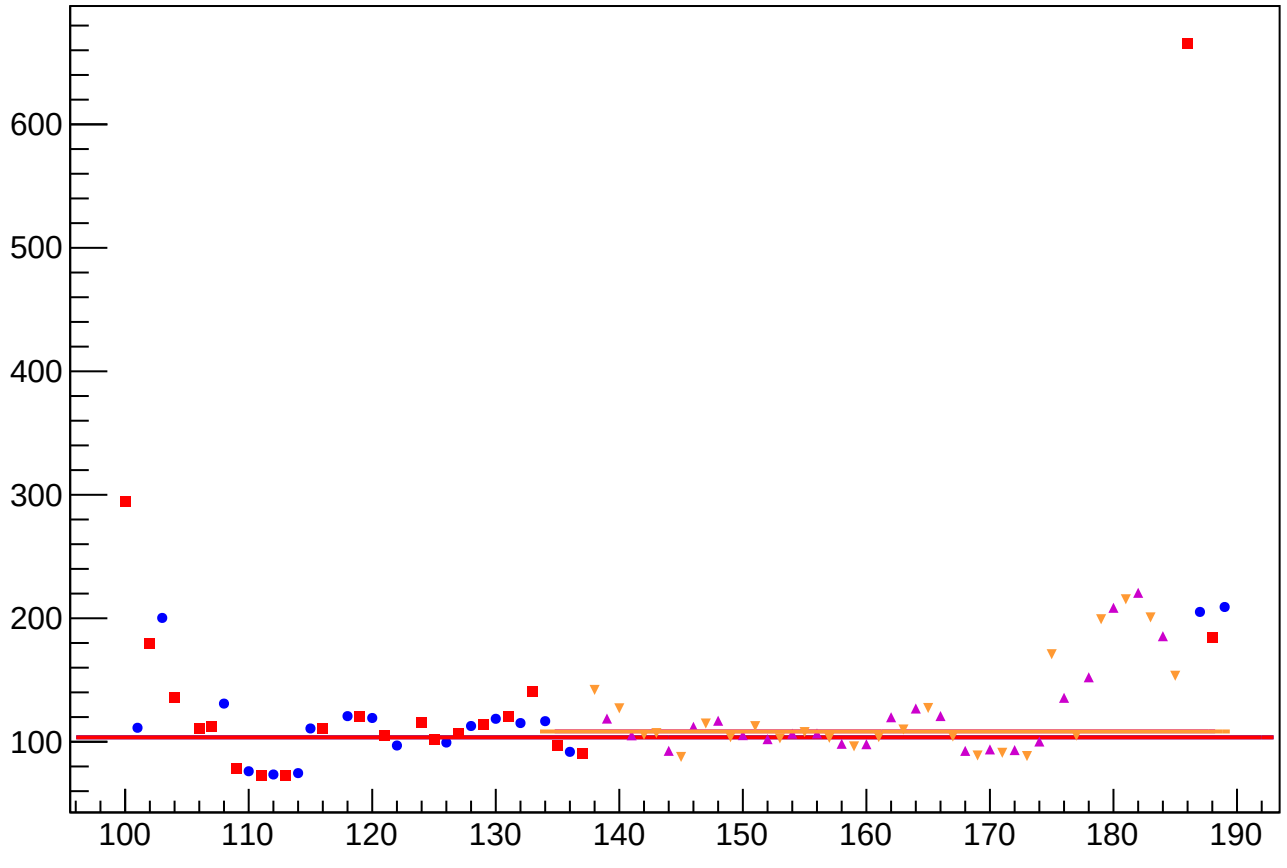
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -15.982+/-26.827 χ^2/NDF: 38.5/38

In: 42.971+/-21.719 χ^2/NDF:56.2/40

Out: 46.467+/-21.113 χ^2/NDF:46.5/45

All: 44.768+/-15.139 χ^2/NDF: 102.6/86



Right In: 103.612+/-0.027 χ^2/NDF: 1079710.4/17

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 103.576+/-0.026 χ^2/NDF: 1837413.8/20

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

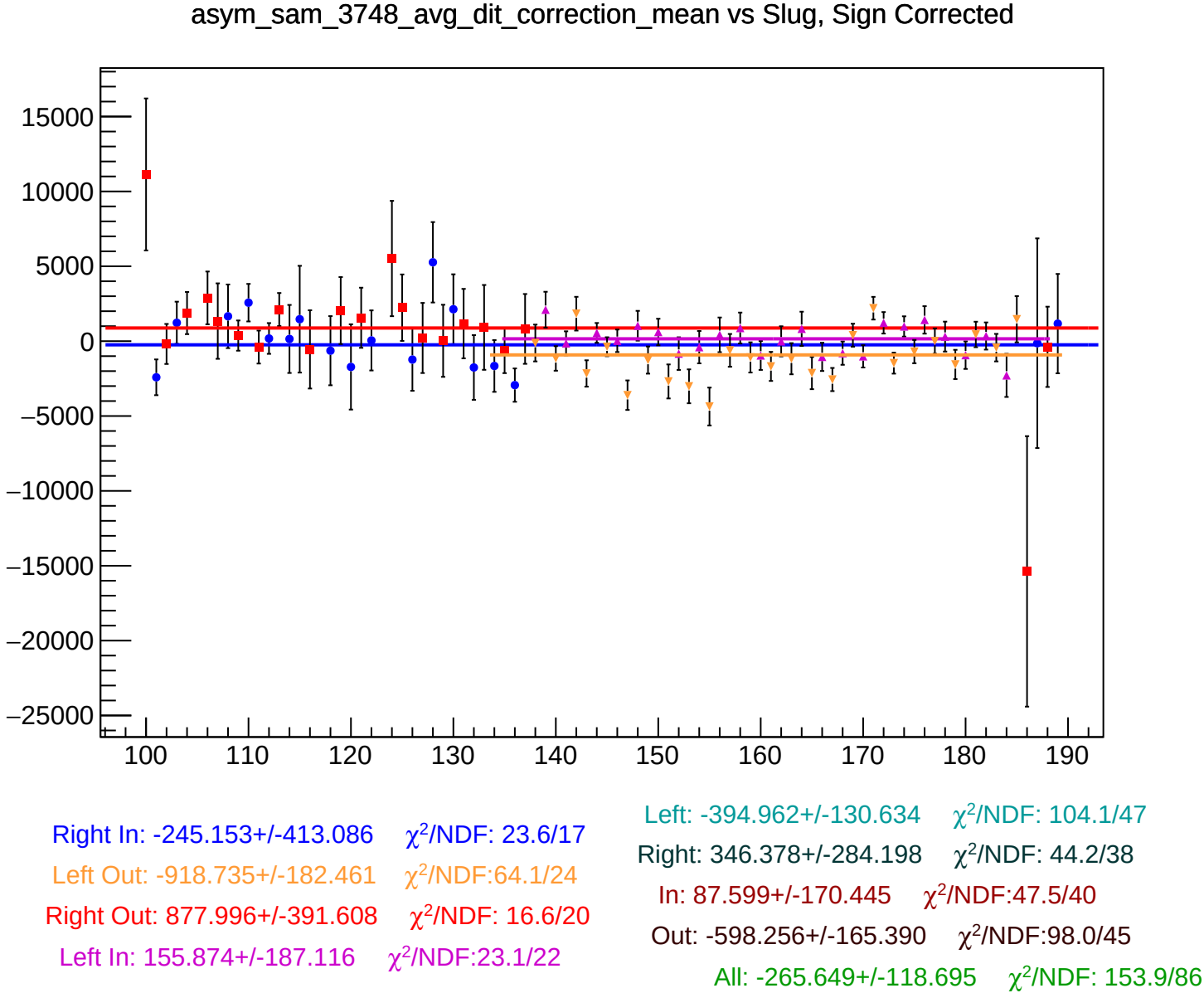
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 103.594+/-0.019 χ^2/NDF: 2917125.0/38

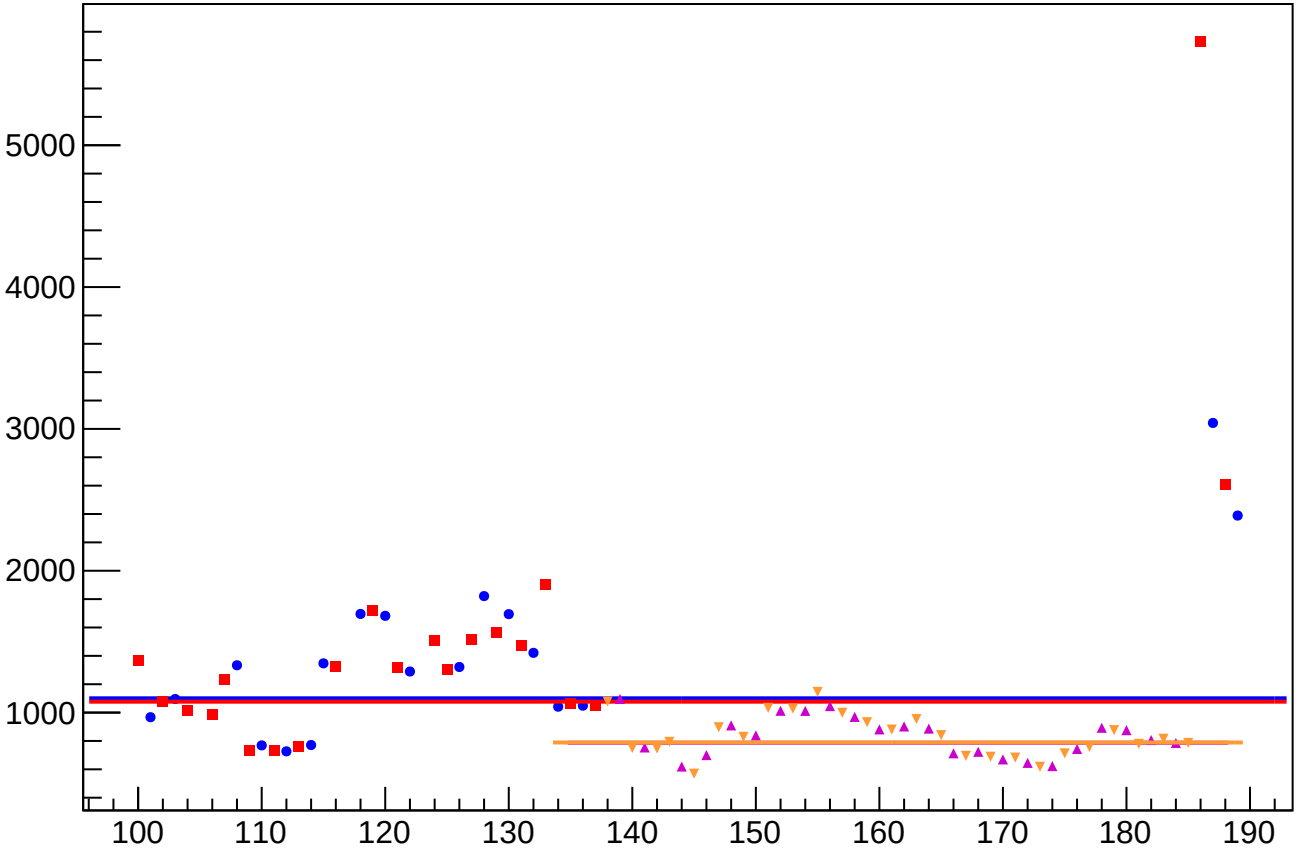
In: 106.941+/-0.015 χ^2/NDF:2481007.1/40

Out: 106.814+/-0.015 χ^2/NDF:3634037.0/45

All: 106.876+/-0.011 χ^2/NDF: 6115079.1/86


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -245.153+/-413.086 χ²/NDF: 23.6/17
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 877.996+/-391.608 χ²/NDF: 16.6/20
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 346.378+/-284.198 χ²/NDF: 44.2/38
In: 87.599+/-170.445 χ²/NDF:47.5/40
Out: -598.256+/-165.390 χ²/NDF:98.0/45
All: -265.649+/-118.695 χ²/NDF: 153.9/86

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1100.691+/-0.292 χ^2/NDF: 1540759.2/17

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1077.000+/-0.277 χ^2/NDF: 2438102.8/20

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

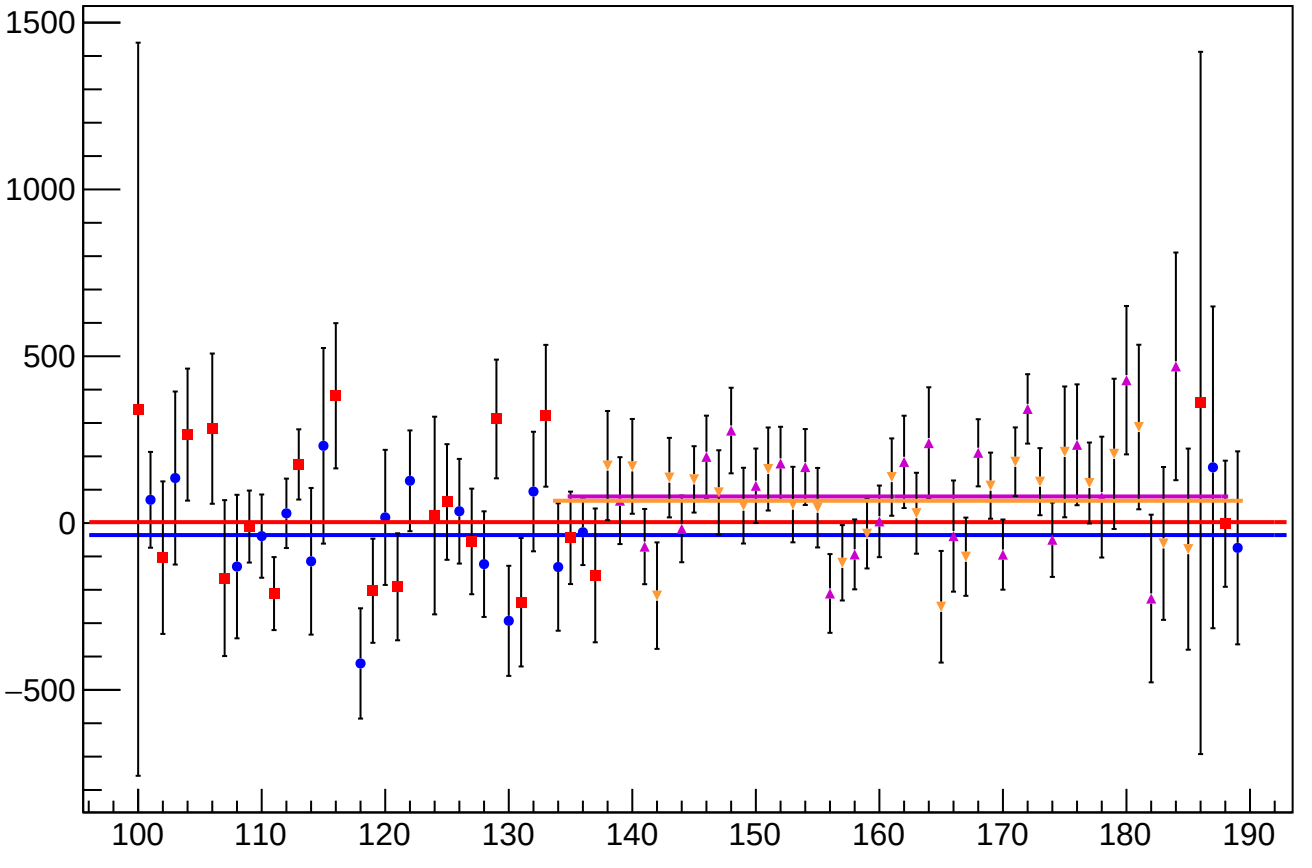
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1088.214+/-0.201 χ^2/NDF: 3982326.6/38

In: 840.729+/-0.121 χ^2/NDF:3536751.0/40

Out: 840.575+/-0.117 χ^2/NDF:4502134.9/45

All: 840.650+/-0.084 χ^2/NDF: 8038886.7/86



Right In: -35.959+/-38.518 χ^2/NDF: 13.1/17

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 2.838+/-37.386 χ^2/NDF: 24.9/20

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

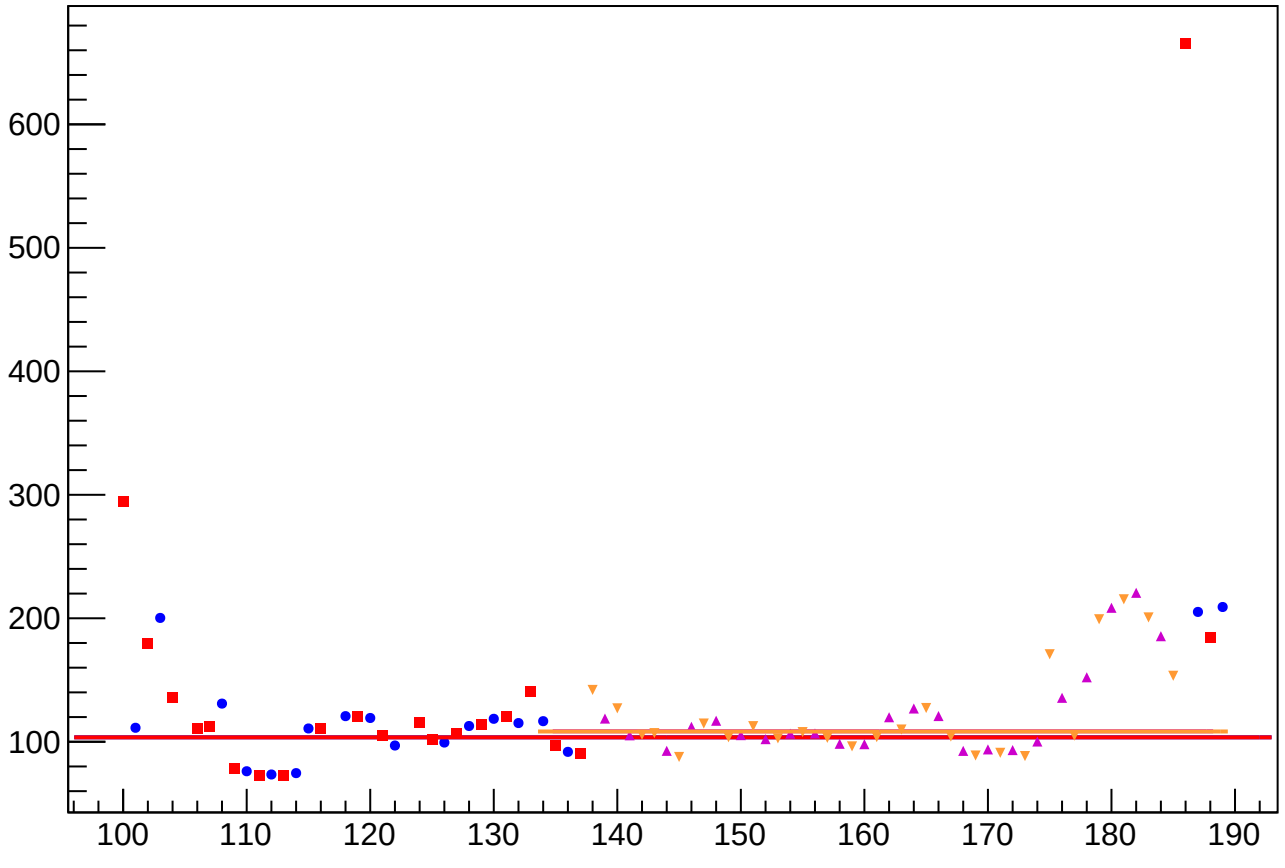
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -15.982+/-26.827 χ^2/NDF: 38.5/38

In: 42.971+/-21.719 χ^2/NDF:56.2/40

Out: 46.467+/-21.114 χ^2/NDF:46.4/45

All: 44.768+/-15.139 χ^2/NDF: 102.6/86



Right In: 103.612+/-0.027 χ^2/NDF: 1079708.2/17

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 103.577+/-0.026 χ^2/NDF: 1837421.9/20

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

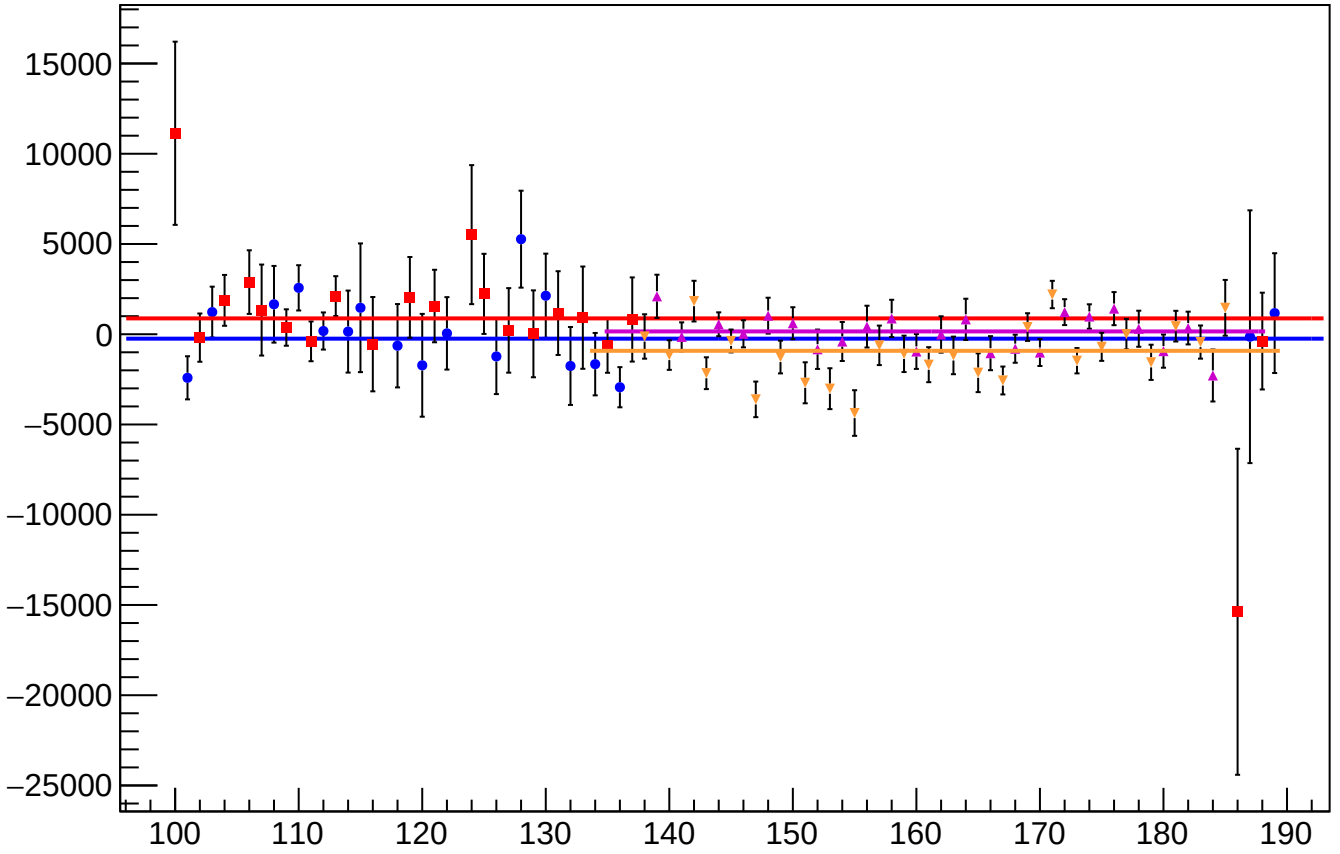
Right: 103.594+/-0.019 χ^2/NDF: 2917131.0/38

In: 106.941+/-0.015 χ^2/NDF:2480987.5/40

Out: 106.814+/-0.015 χ^2/NDF:3634041.3/45

All: 106.876+/-0.011 χ^2/NDF: 6115063.8/86

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -245.151+/-413.085 χ^2/NDF: 23.6/17

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 877.995+/-391.607 χ^2/NDF: 16.6/20

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

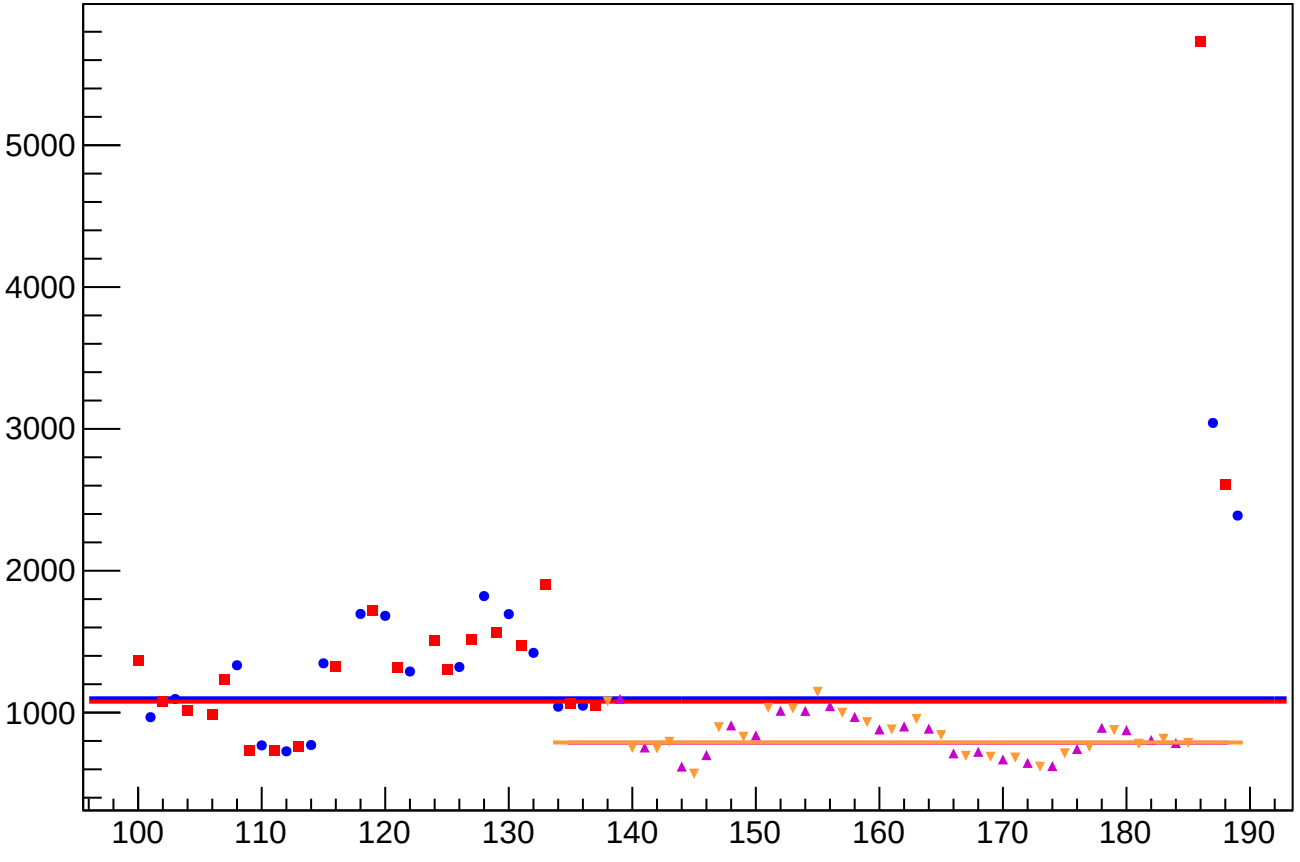
Right: 346.377+/-284.198 χ^2/NDF: 44.2/38

In: 87.598+/-170.445 χ^2/NDF:47.5/40

Out: -598.256+/-165.390 χ^2/NDF:98.0/45

All: -265.649+/-118.695 χ^2/NDF: 153.9/86

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1100.689+/-0.292 χ^2/NDF: 1540765.2/17

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1076.999+/-0.277 χ^2/NDF: 2438104.2/20

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

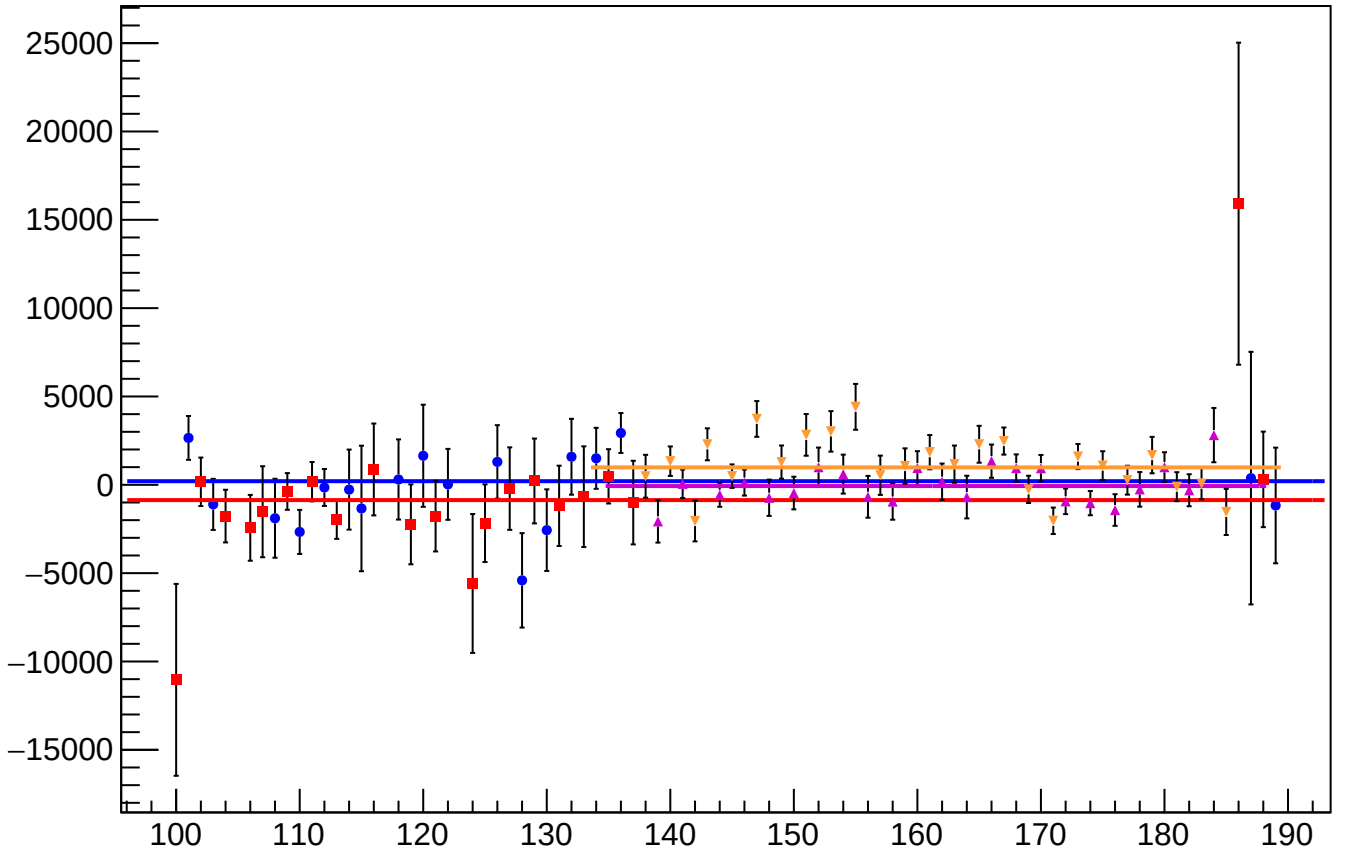
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1088.212+/-0.201 χ^2/NDF: 3982333.9/38

In: 840.728+/-0.121 χ^2/NDF:3536756.5/40

Out: 840.574+/-0.117 χ^2/NDF:4502140.0/45

All: 840.648+/-0.084 χ^2/NDF: 8038897.4/86



Right In: 205.302+/-417.664 χ^2/NDF: 24.6/17

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -864.774+/-398.315 χ^2/NDF: 14.8/20

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

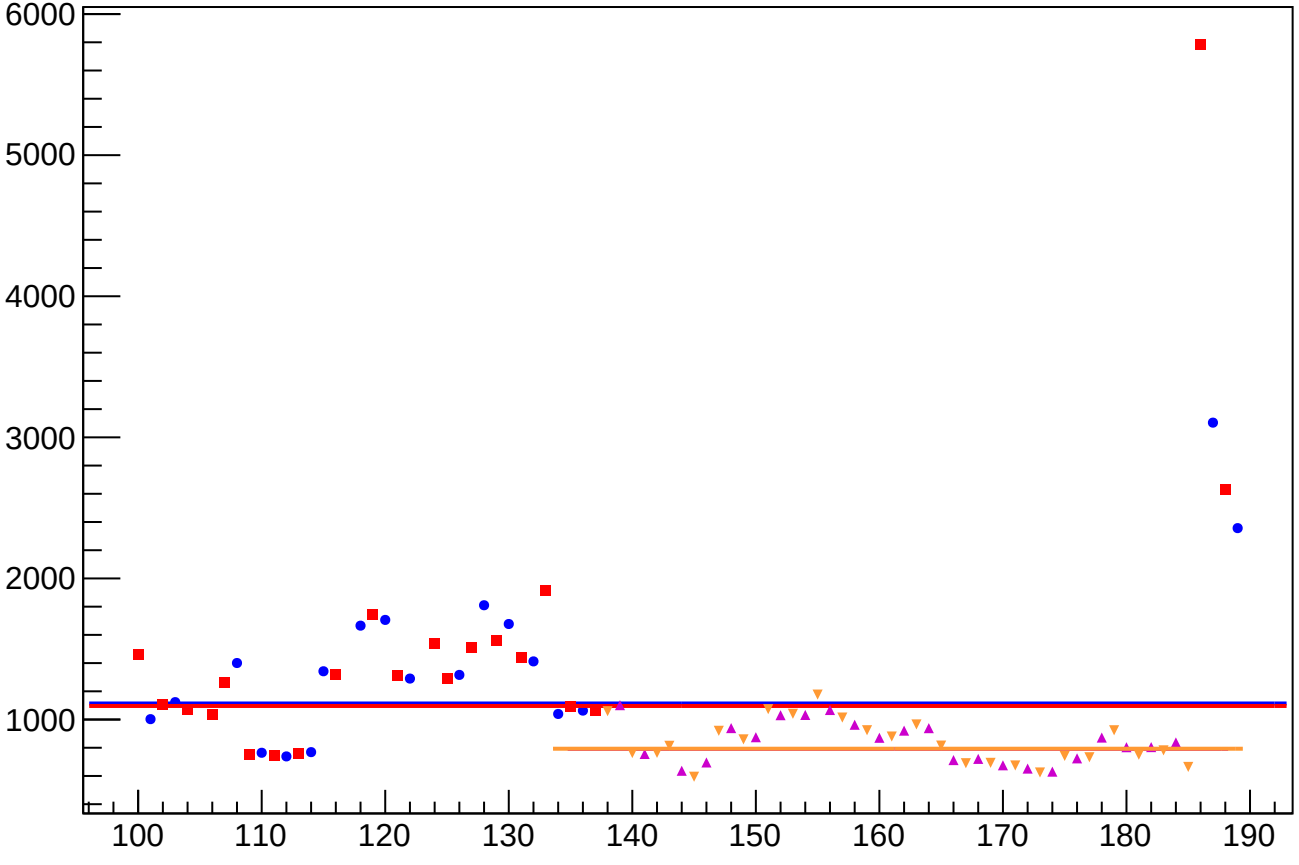
Right: -355.096+/-288.249 χ^2/NDF: 42.8/38

In: -23.678+/-171.460 χ^2/NDF:49.4/40

Out: 661.392+/-166.740 χ^2/NDF:96.3/45

All: 328.417+/-119.537 χ^2/NDF: 153.9/86

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1113.709+/-0.295 χ^2/NDF: 1499434.1/17

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1096.147+/-0.282 χ^2/NDF: 2392295.8/20

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

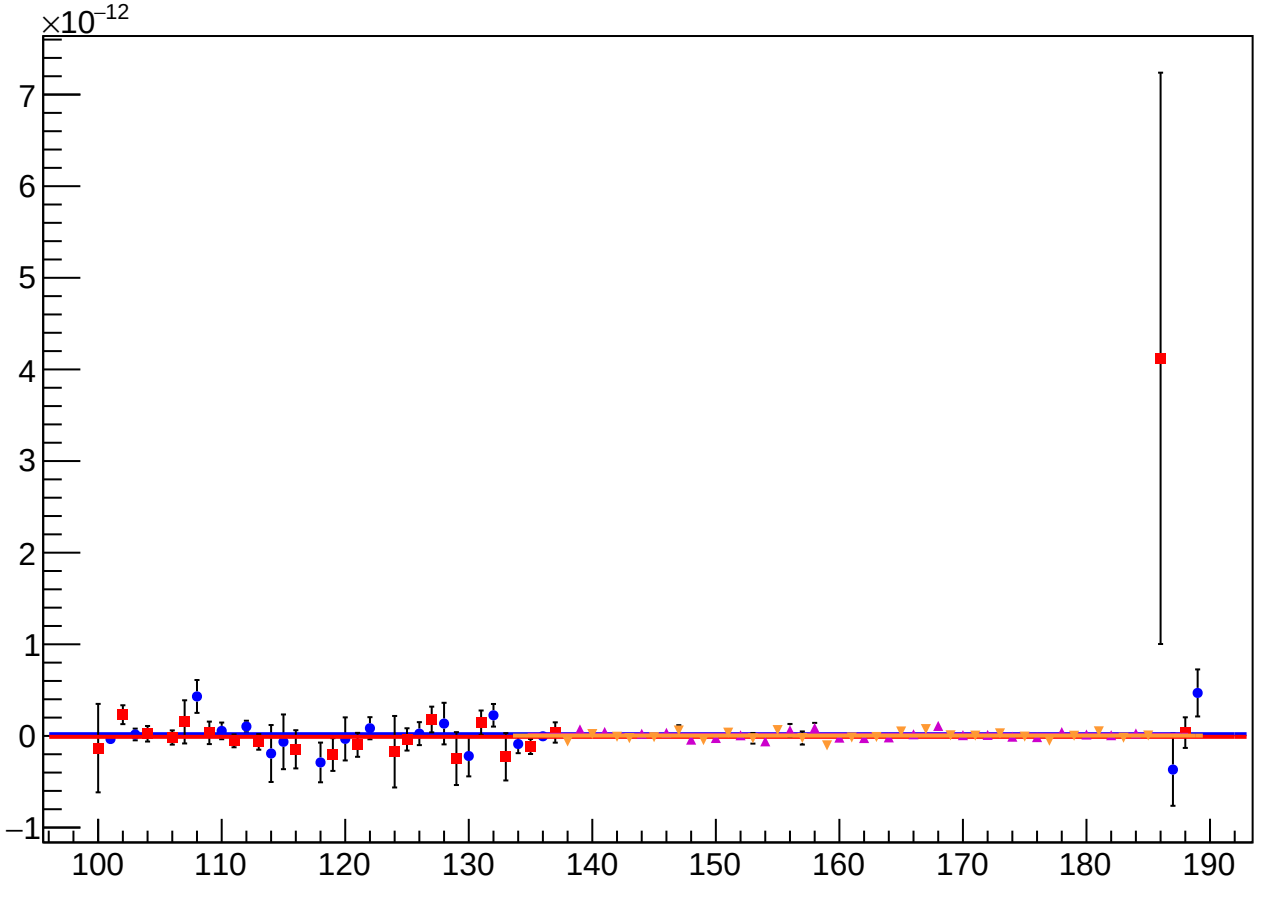
Right: 1104.512+/-0.204 χ^2/NDF: 3893581.7/38

In: 845.515+/-0.121 χ^2/NDF:3540347.9/40

Out: 846.165+/-0.118 χ^2/NDF:4541406.3/45

All: 845.849+/-0.085 χ^2/NDF: 8081768.9/86

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/20

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

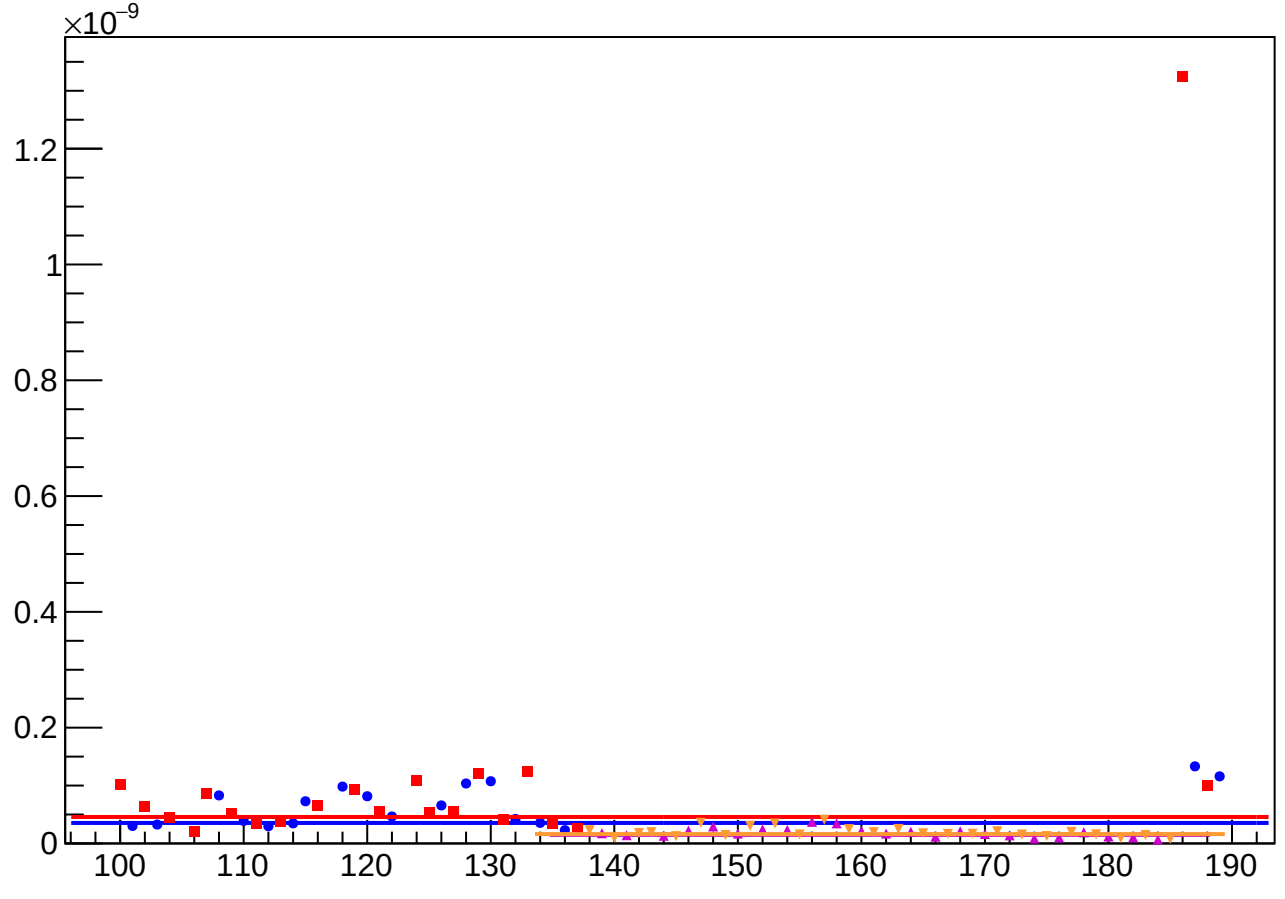
Right: 0.000+/-0.000 χ^2/NDF: 39.3/38

In: 0.000+/-0.000 χ^2/NDF:46.3/40

Out: 0.000+/-0.000 χ^2/NDF:51.9/45

All: 0.000+/-0.000 χ^2/NDF: 99.4/86

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1510668.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1627289.3/20

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

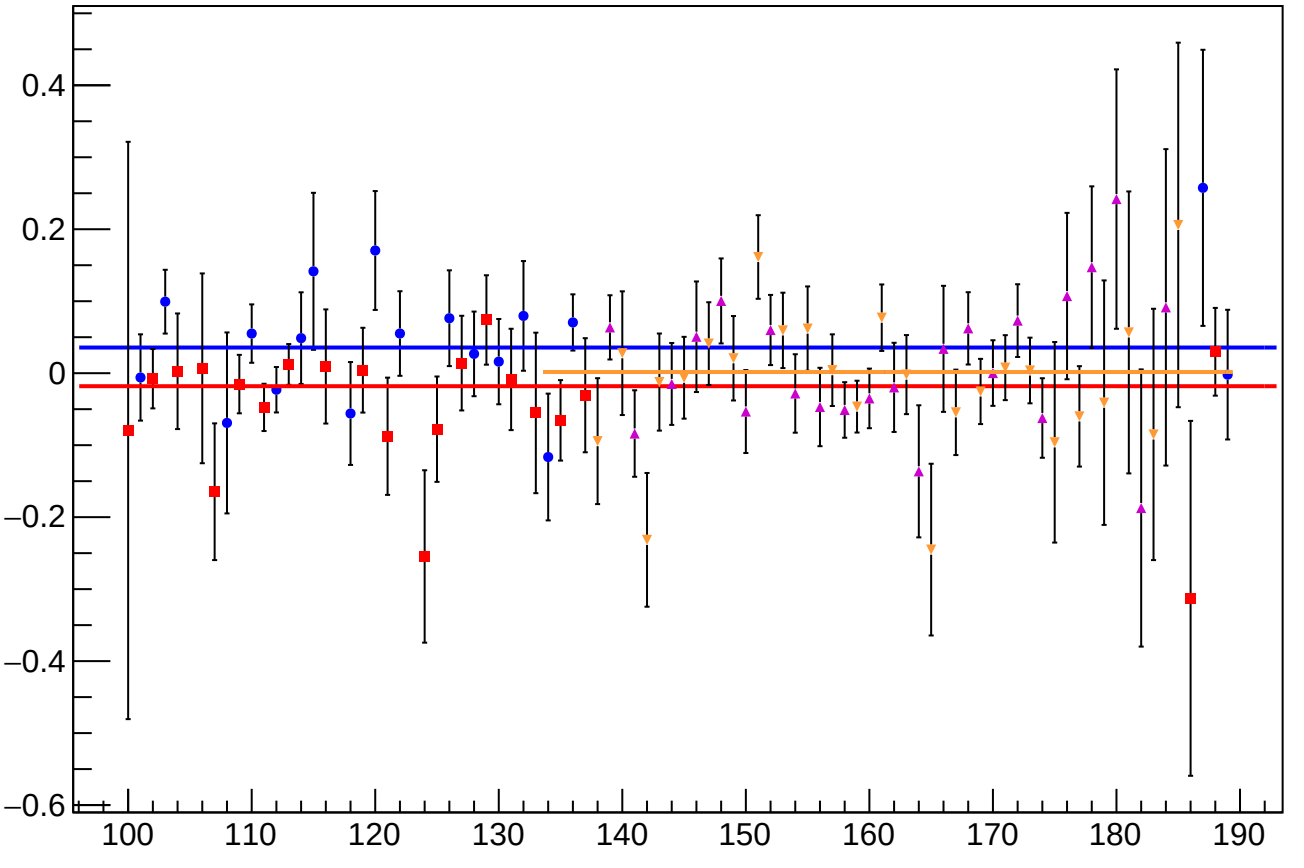
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 3318366.4/38

In: 0.000+/-0.000 χ^2/NDF:4823491.9/40

Out: 0.000+/-0.000 χ^2/NDF:5692106.3/45

All: 0.000+/-0.000 χ^2/NDF: 10561652.0/86



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

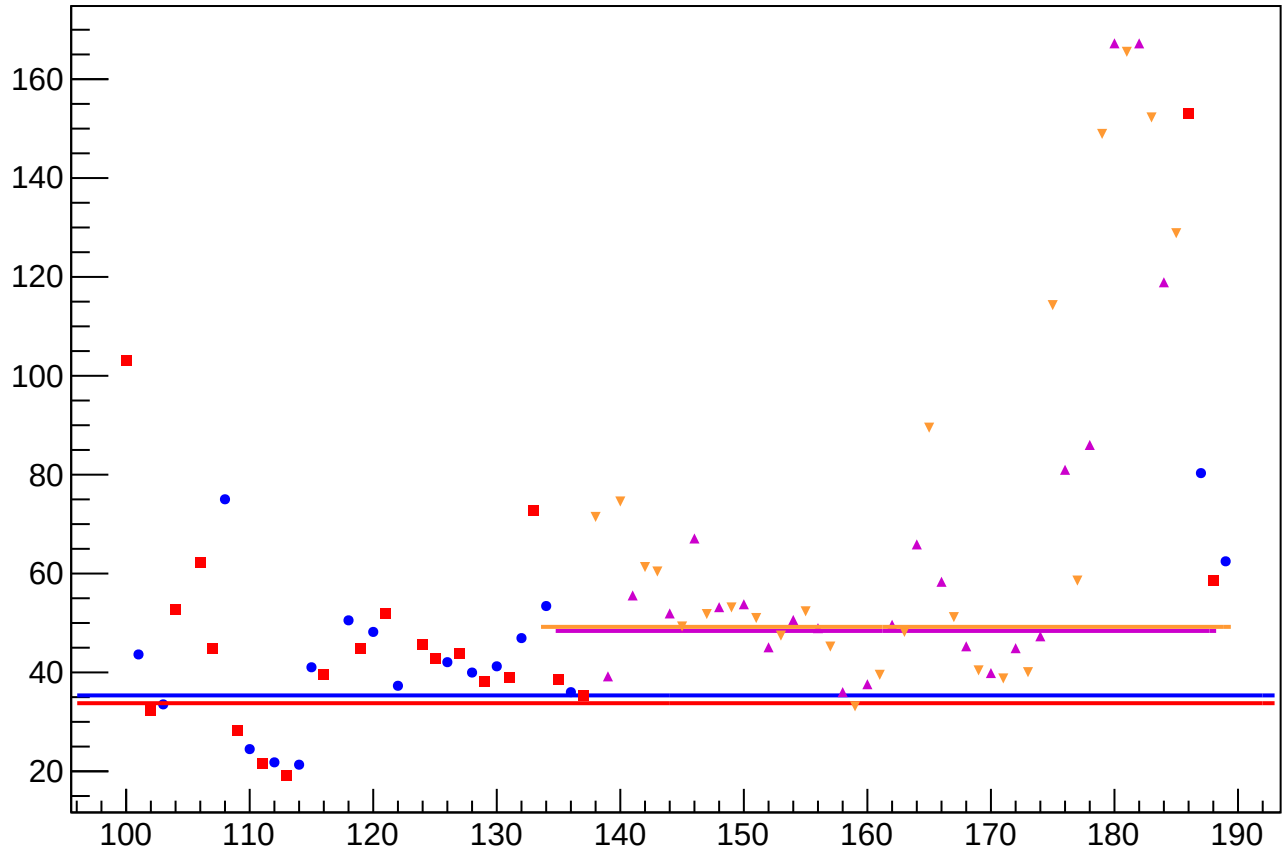
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.007+/-0.009 χ^2/NDF: 42.1/38

In: 0.017+/-0.009 χ^2/NDF:47.9/40

Out: -0.008+/-0.009 χ^2/NDF:47.1/45

All: 0.004+/-0.006 χ^2/NDF: 98.7/86



Right In: 35.349+/-0.010 χ^2/NDF: 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 33.775+/-0.009 χ^2/NDF: 2498740.9/20

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

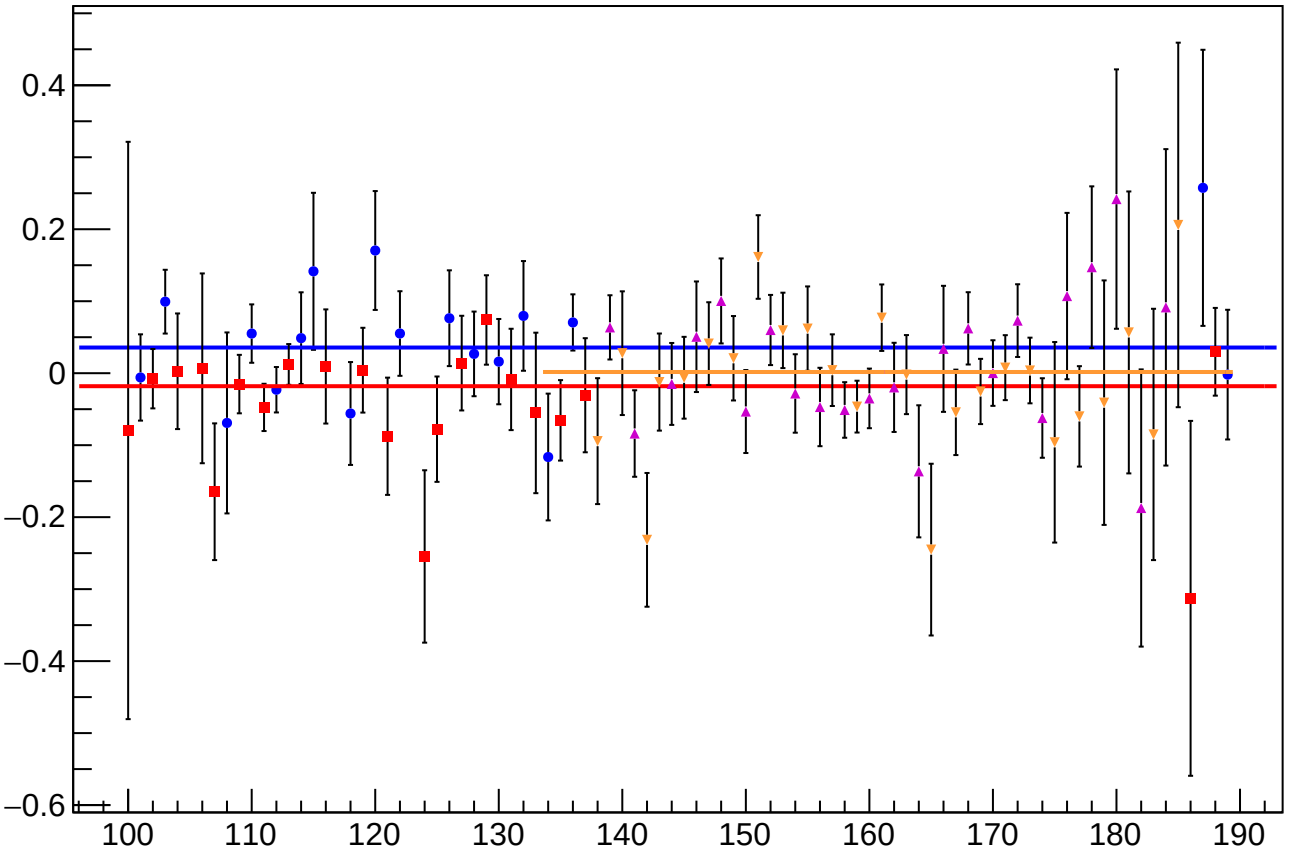
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 34.510+/-0.007 χ^2/NDF: 3983363.1/38

In: 42.531+/-0.006 χ^2/NDF:5502936.9/40

Out: 41.812+/-0.006 χ^2/NDF:8182539.3/45

All: 42.159+/-0.005 χ^2/NDF: 13691829.3/86



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

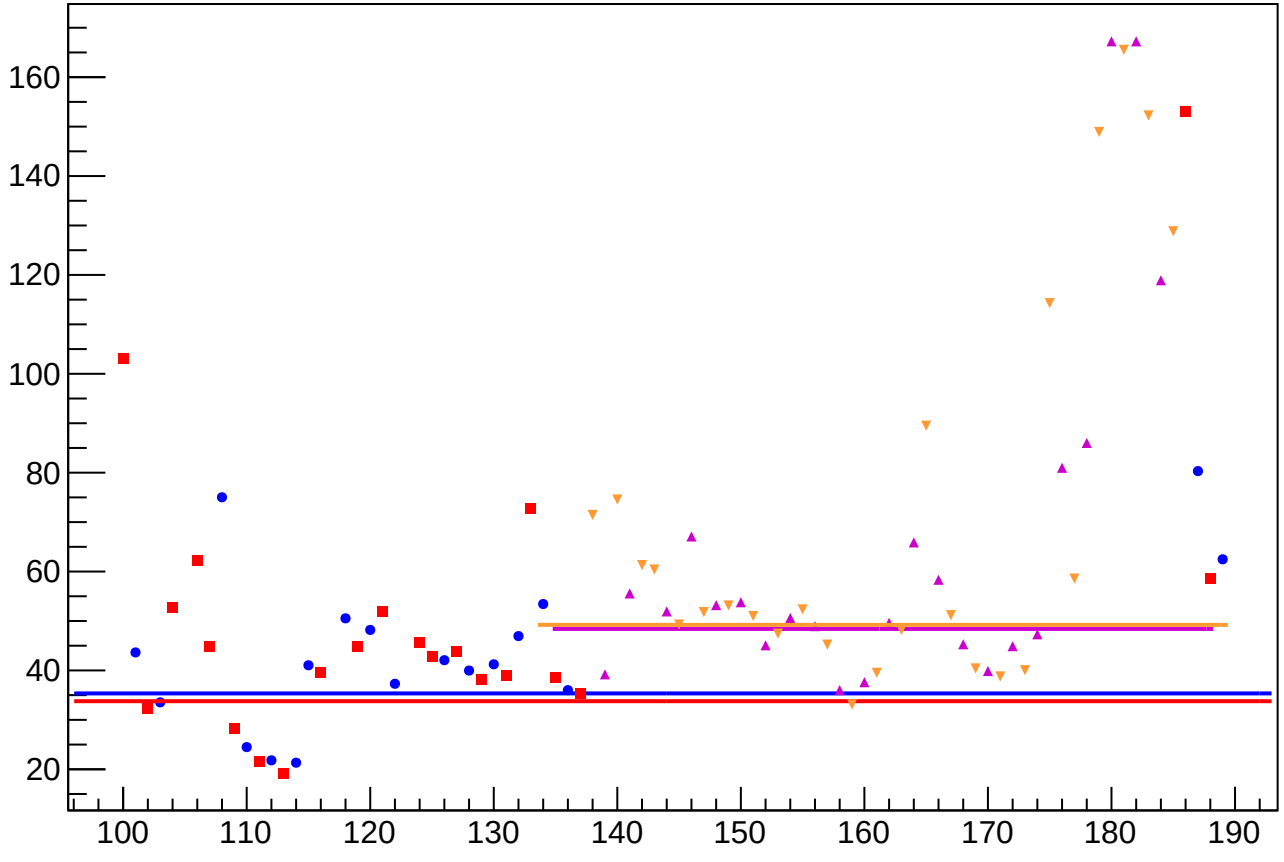
Right: 0.007+/-0.009 χ^2/NDF: 42.1/38

In: 0.017+/-0.009 χ^2/NDF:47.9/40

Out: -0.008+/-0.009 χ^2/NDF:47.1/45

All: 0.004+/-0.006 χ^2/NDF: 98.7/86

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.349+/-0.010 χ^2/NDF: 1470531.0/17

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 33.775+/-0.009 χ^2/NDF: 2498740.9/20

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

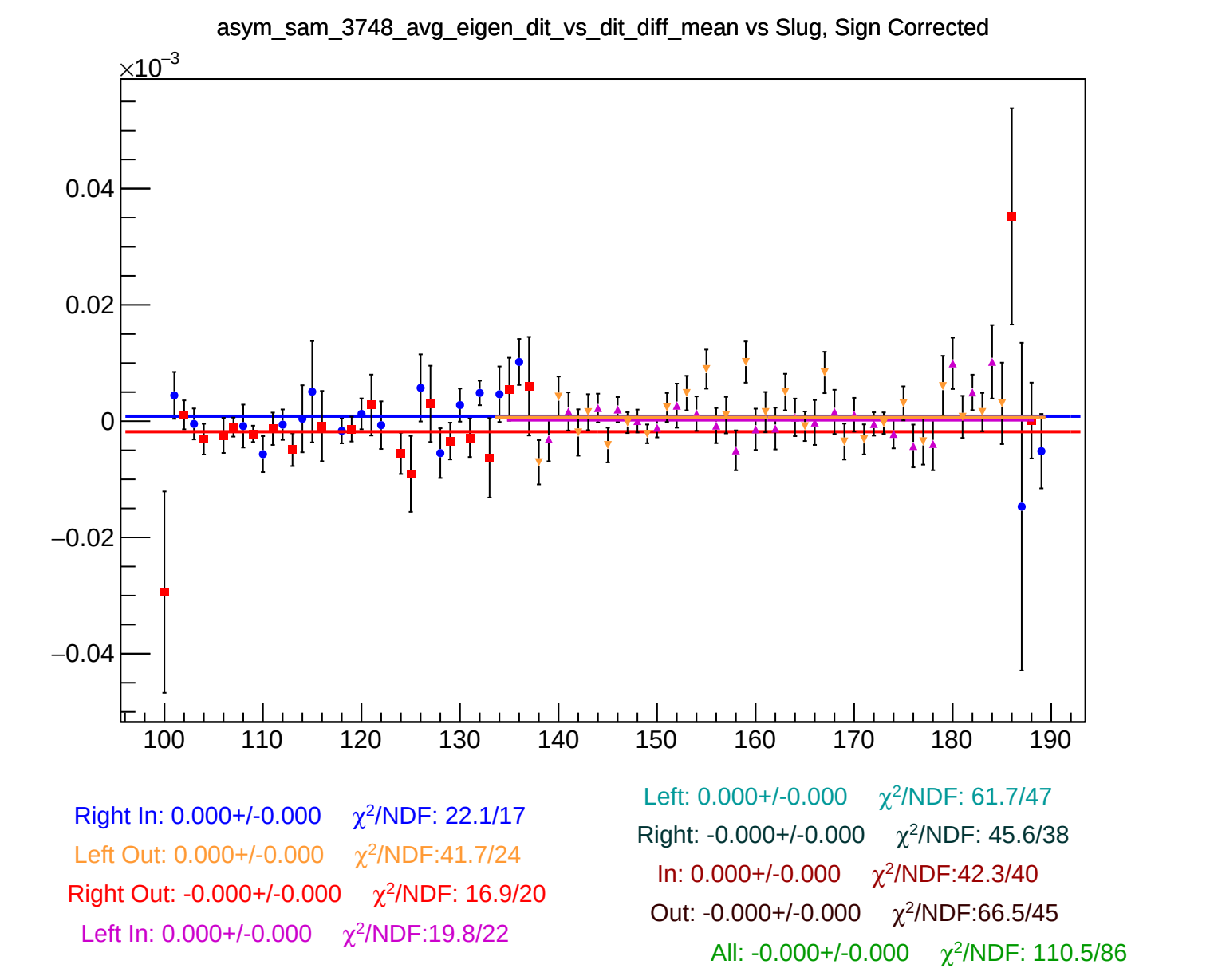
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 34.510+/-0.007 χ^2/NDF: 3983363.1/38

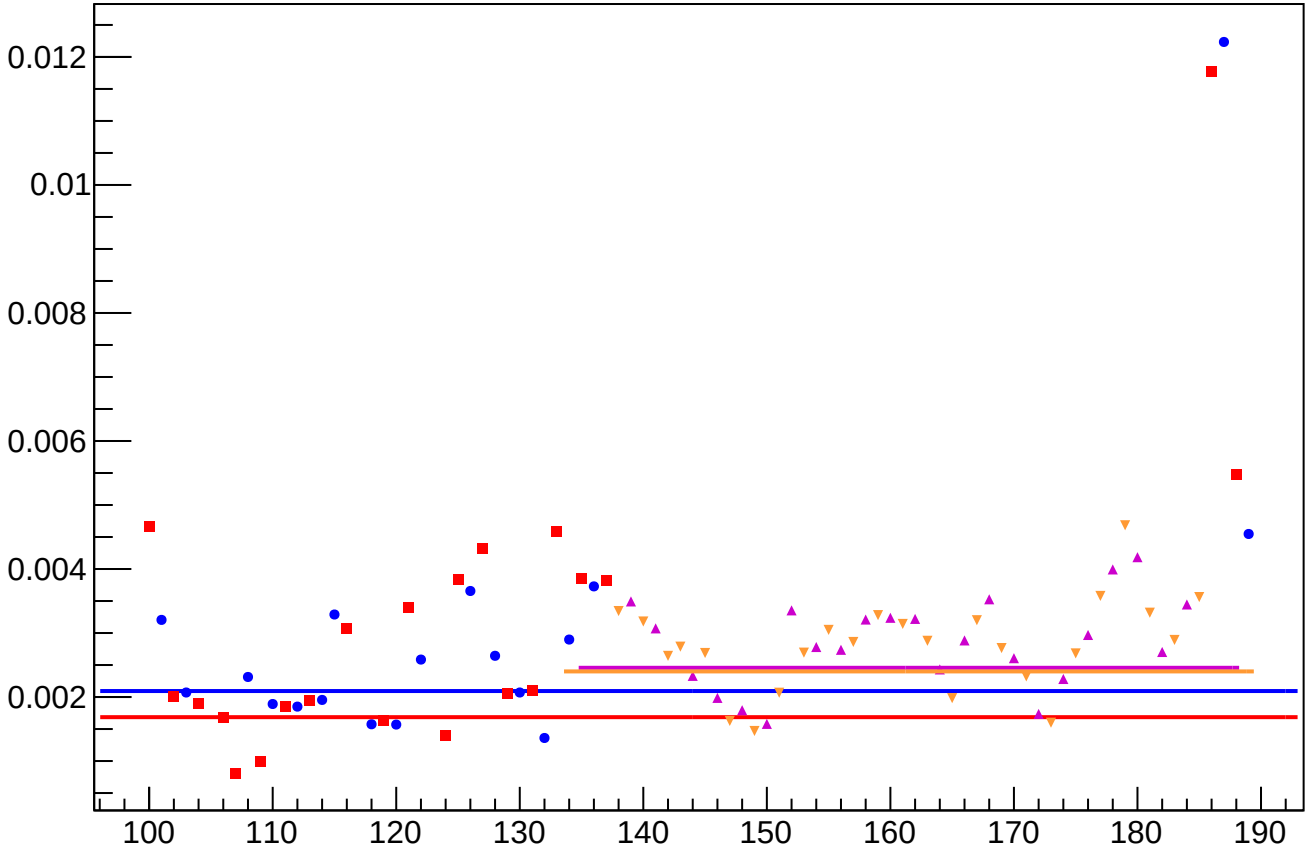
In: 42.531+/-0.006 χ^2/NDF:5502936.9/40

Out: 41.812+/-0.006 χ^2/NDF:8182539.3/45

All: 42.159+/-0.005 χ^2/NDF: 13691829.3/86


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 22.1/17
Left Out: 0.000+/-0.000 χ²/NDF:41.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.9/20
Left In: 0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 61.7/47
Right: -0.000+/-0.000 χ²/NDF: 45.6/38
In: 0.000+/-0.000 χ²/NDF:42.3/40
Out: -0.000+/-0.000 χ²/NDF:66.5/45
All: -0.000+/-0.000 χ²/NDF: 110.5/86

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1820006.3/17

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4202365.6/20

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

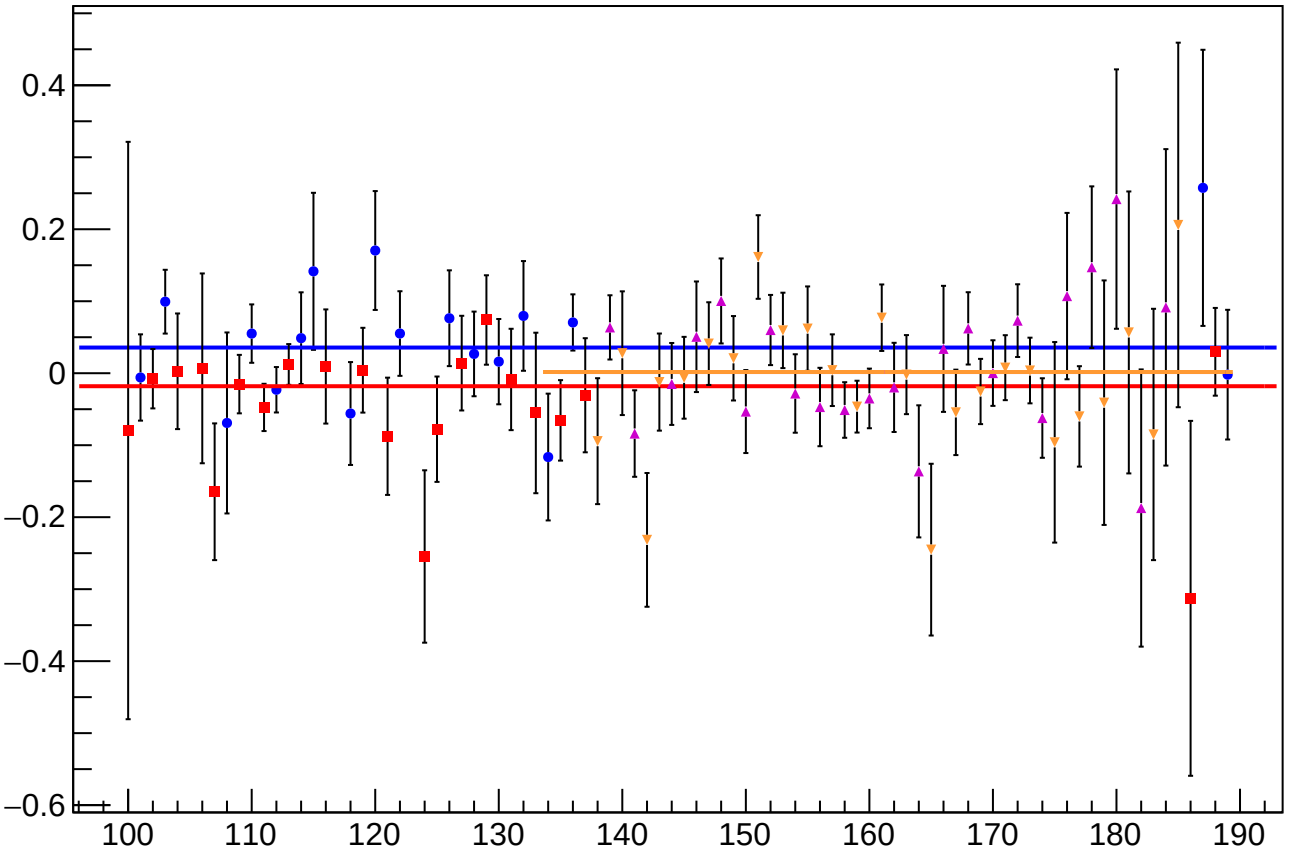
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 6328924.2/38

In: 0.002+/-0.000 χ^2/NDF:4712147.3/40

Out: 0.002+/-0.000 χ^2/NDF:8648839.4/45

All: 0.002+/-0.000 χ^2/NDF: 13611993.2/86



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

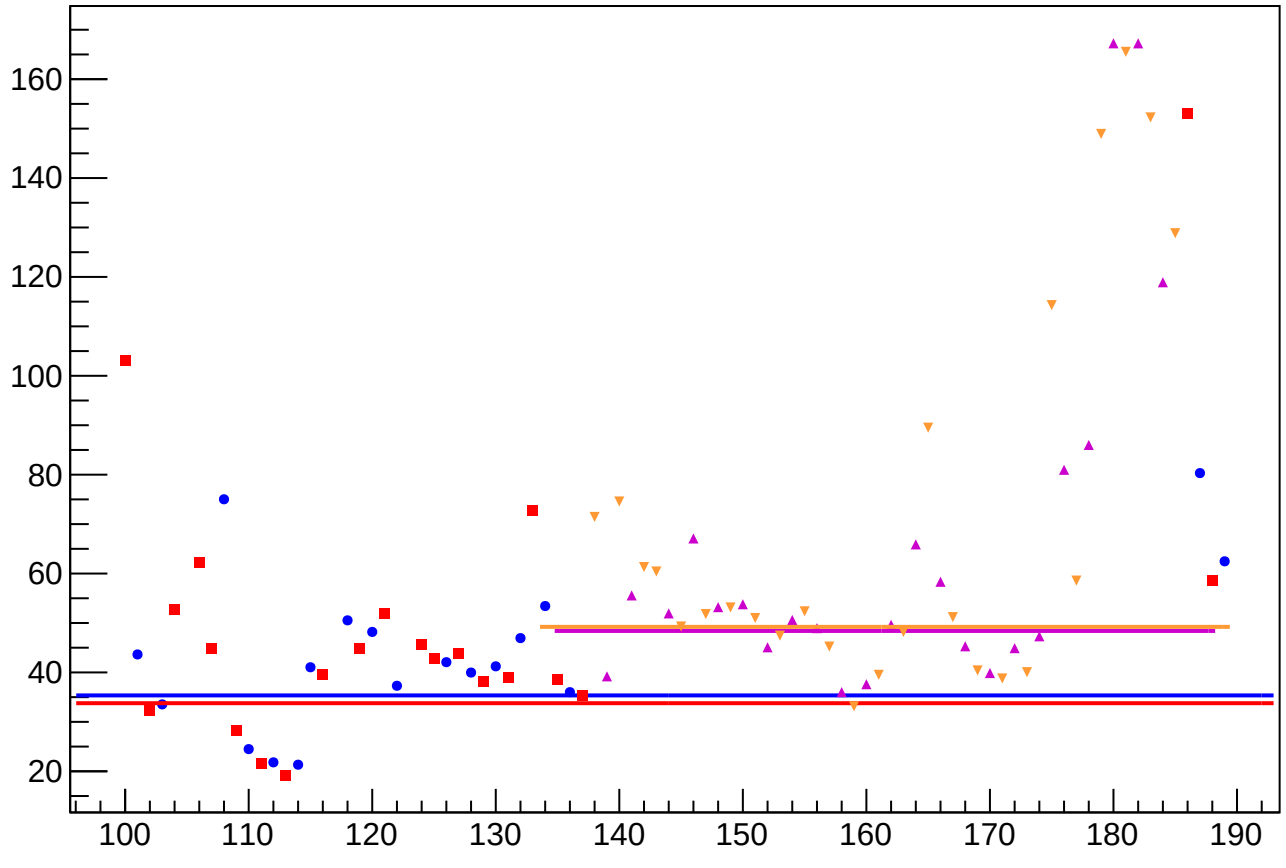
Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

Right: 0.007+/-0.009 χ^2/NDF: 42.1/38

In: 0.017+/-0.009 χ^2/NDF:47.9/40

Out: -0.008+/-0.009 χ^2/NDF:47.1/45

All: 0.004+/-0.006 χ^2/NDF: 98.7/86



Right In: 35.349+/-0.010 χ^2/NDF: 1470475.8/17

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 33.775+/-0.009 χ^2/NDF: 2498738.0/20

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

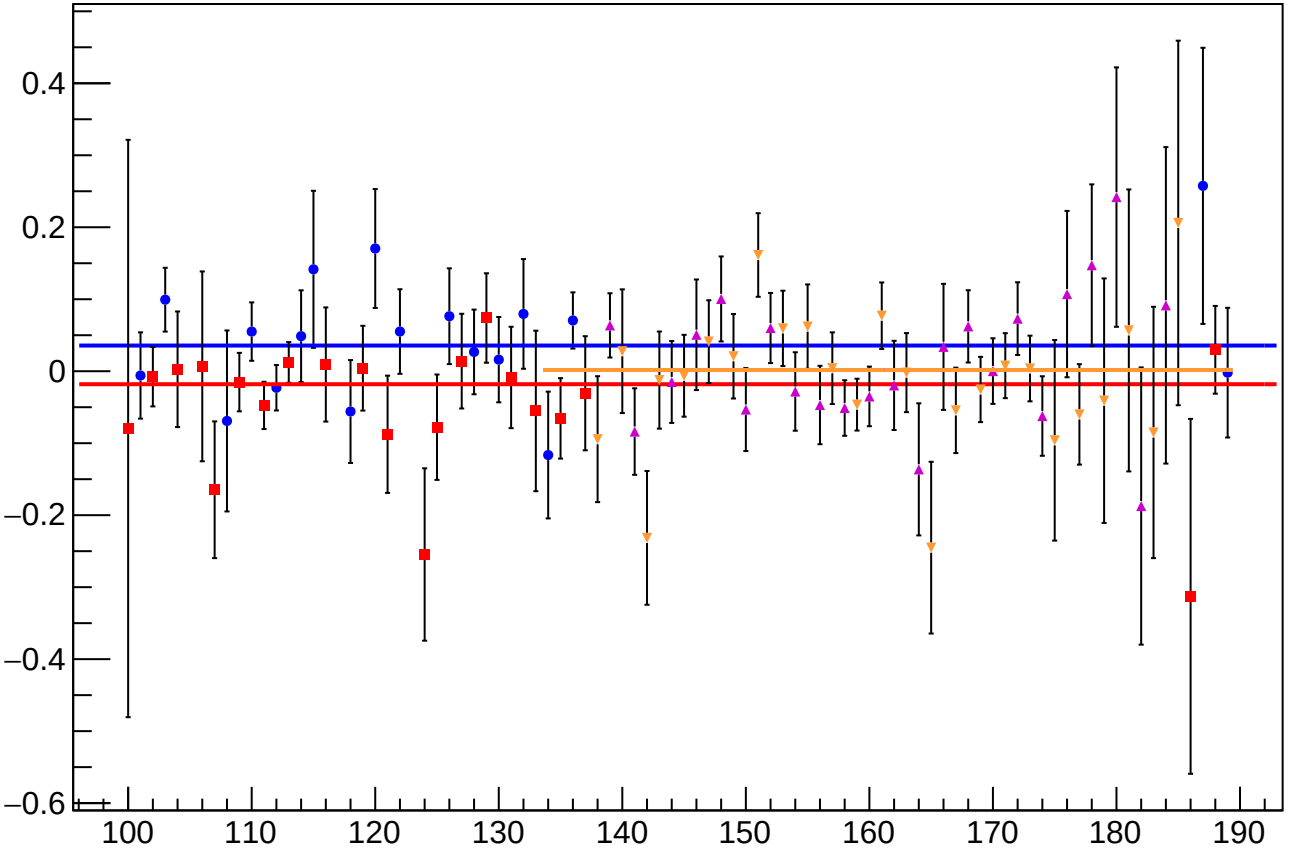
Right: 34.510+/-0.007 χ^2/NDF: 3983303.8/38

In: 42.532+/-0.006 χ^2/NDF:5502864.1/40

Out: 41.812+/-0.006 χ^2/NDF:8182508.7/45

All: 42.160+/-0.005 χ^2/NDF: 13691724.8/86

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.014 χ^2/NDF: 18.5/17

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

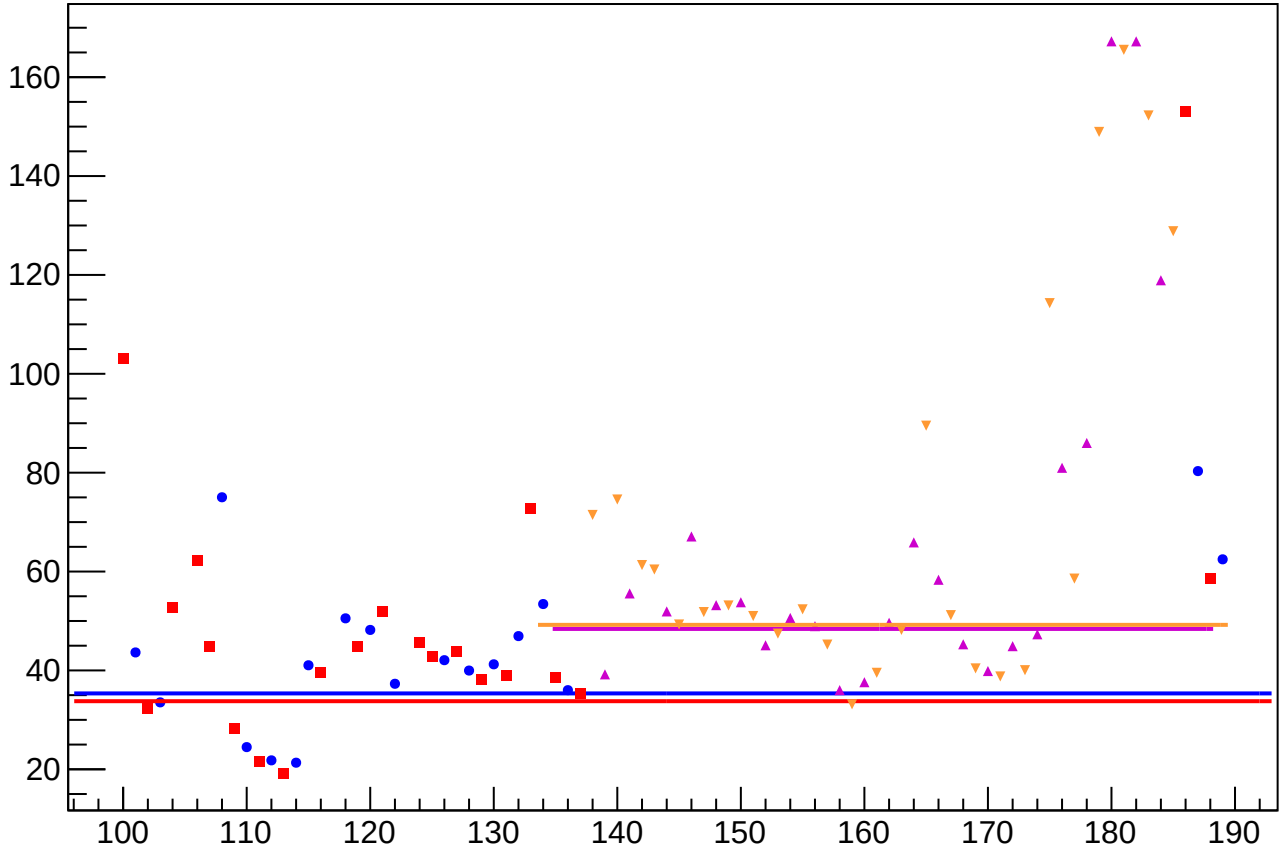
Right: 0.007+/-0.009 χ^2/NDF: 42.1/38

In: 0.017+/-0.009 χ^2/NDF:47.9/40

Out: -0.008+/-0.009 χ^2/NDF:47.1/45

All: 0.004+/-0.006 χ^2/NDF: 98.7/86

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.349+/-0.010 χ^2/NDF: 1470475.8/17

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 33.775+/-0.009 χ^2/NDF: 2498738.0/20

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

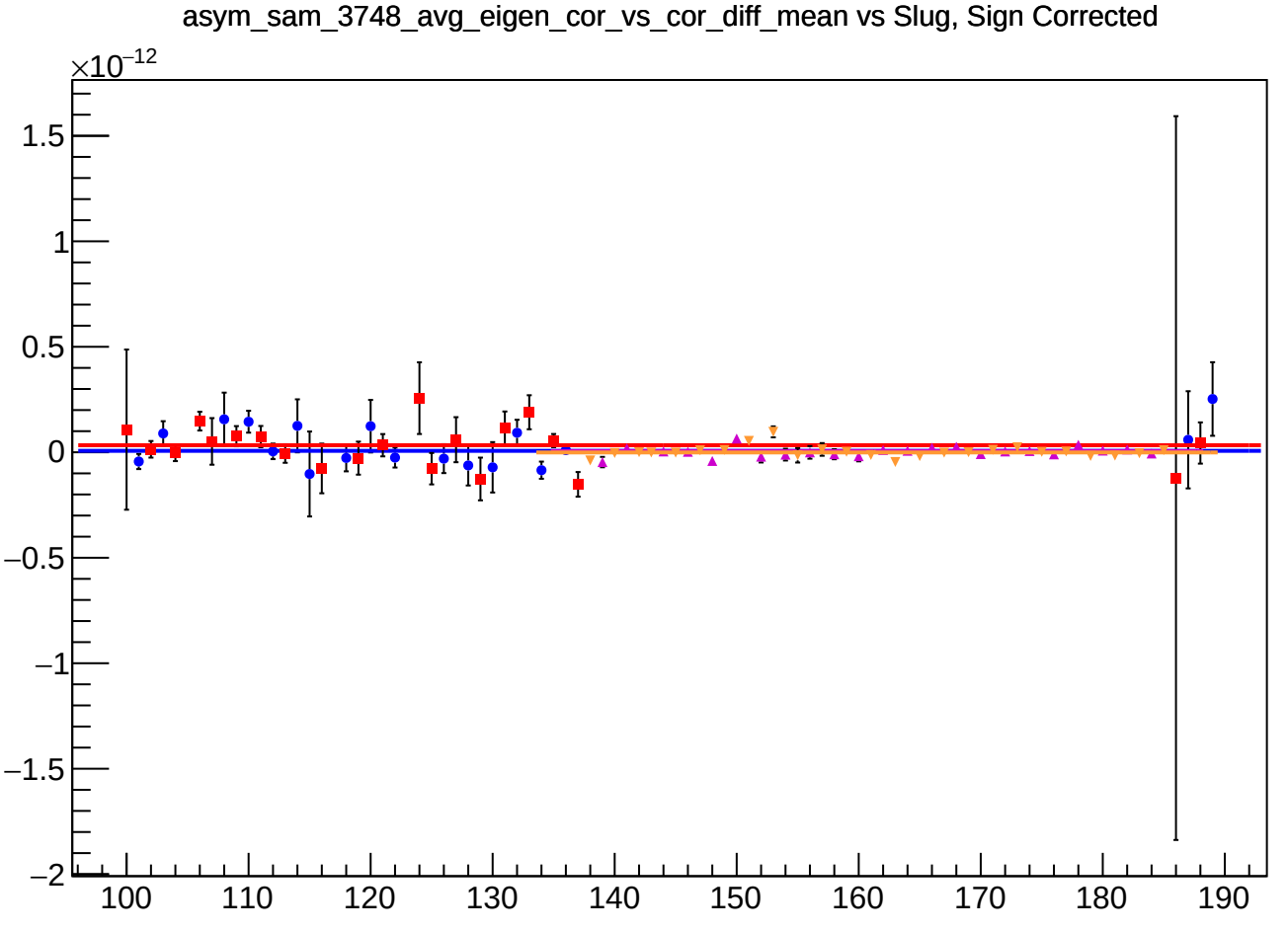
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 34.510+/-0.007 χ^2/NDF: 3983303.8/38

In: 42.532+/-0.006 χ^2/NDF:5502864.1/40

Out: 41.812+/-0.006 χ^2/NDF:8182508.7/45

All: 42.160+/-0.005 χ^2/NDF: 13691724.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/20

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

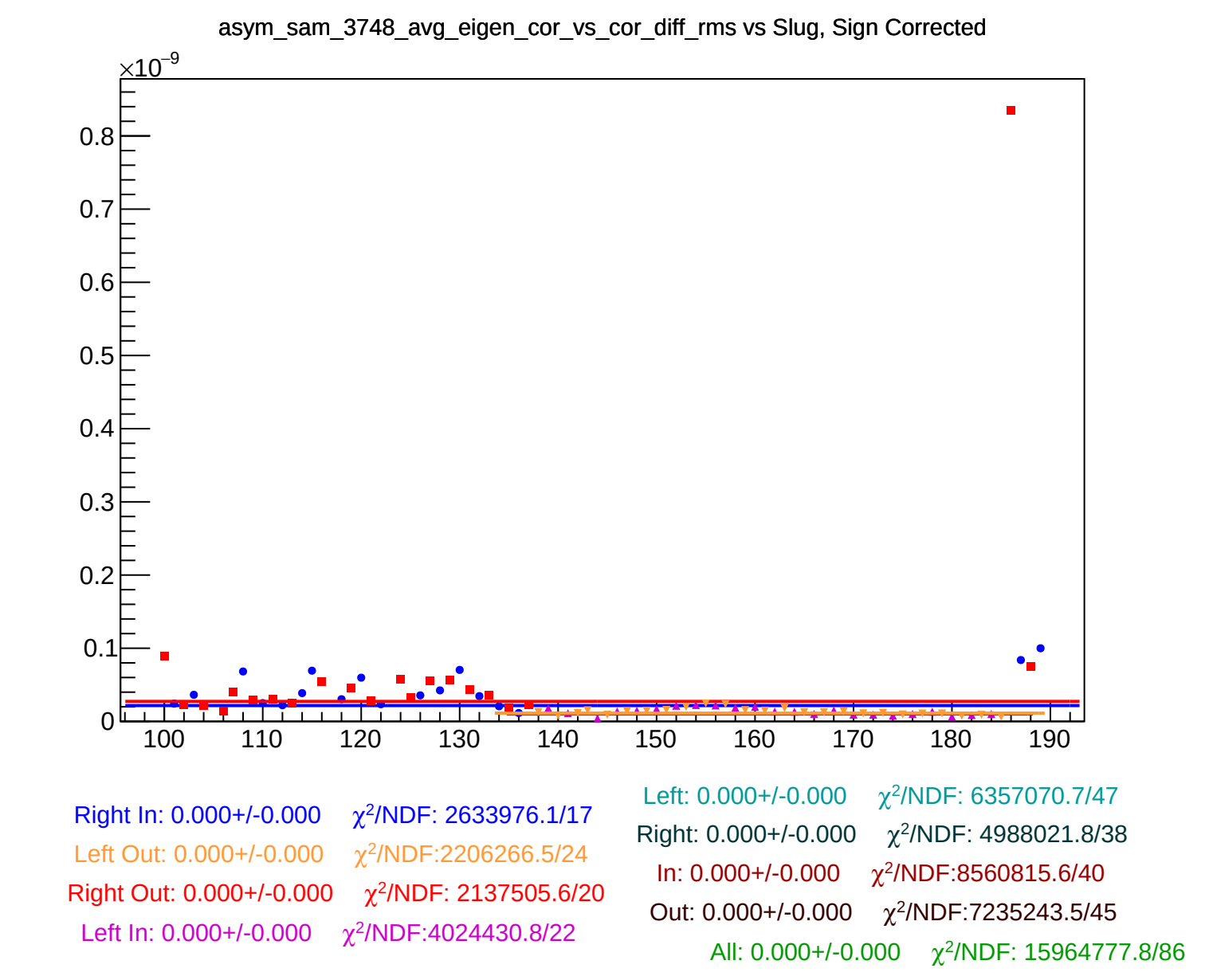
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

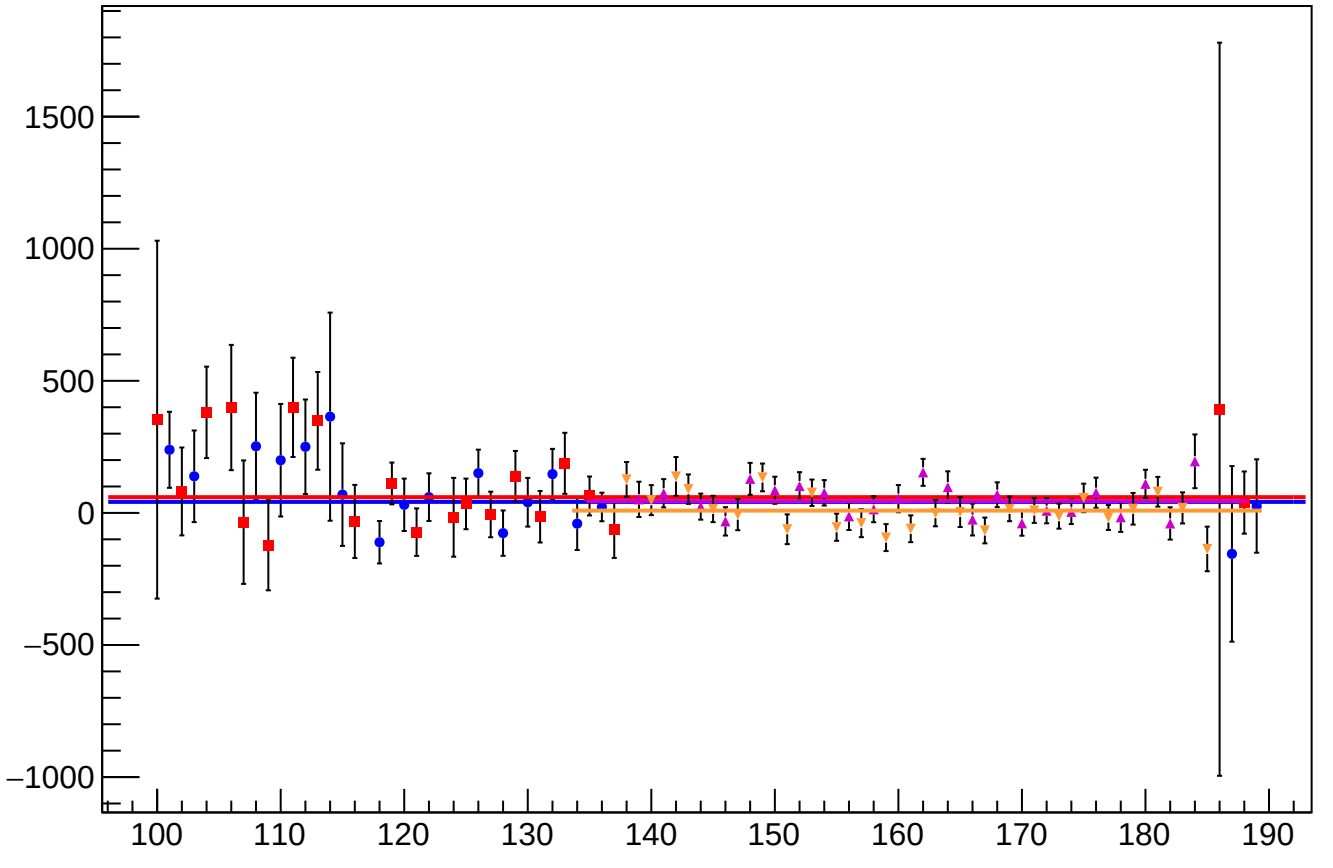
Right: 0.000+/-0.000 χ^2/NDF: 61.5/38

In: 0.000+/-0.000 χ^2/NDF:54.1/40

Out: 0.000+/-0.000 χ^2/NDF:77.1/45

All: 0.000+/-0.000 χ^2/NDF: 132.0/86


asym_sam_3748_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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2633976.1/17
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 2137505.6/20
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
Left: 0.000+/-0.000 χ²/NDF: 6357070.7/47
Right: 0.000+/-0.000 χ²/NDF: 4988021.8/38
In: 0.000+/-0.000 χ²/NDF:8560815.6/40
Out: 0.000+/-0.000 χ²/NDF:7235243.5/45
All: 0.000+/-0.000 χ²/NDF: 15964777.8/86



Right In: 41.731+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 59.636+/-26.214 χ^2/NDF: 20.5/20

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

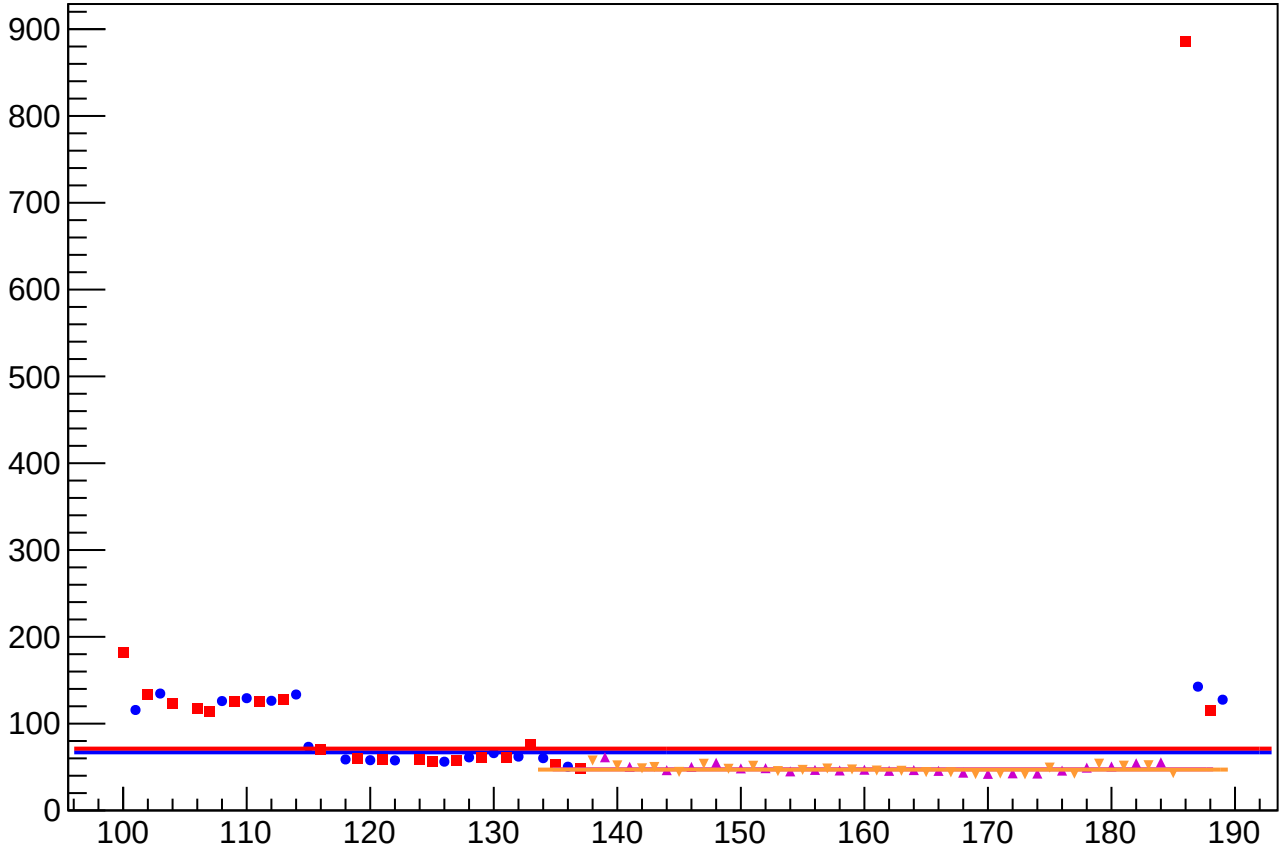
Right: 50.414+/-18.255 χ^2/NDF: 36.1/38

In: 44.088+/-10.211 χ^2/NDF:42.3/40

Out: 16.103+/-9.962 χ^2/NDF:58.3/45

All: 29.750+/-7.130 χ^2/NDF: 104.5/86

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 66.957+/-0.018 χ^2/NDF: 1794470.9/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 71.231+/-0.019 χ^2/NDF: 2620829.2/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

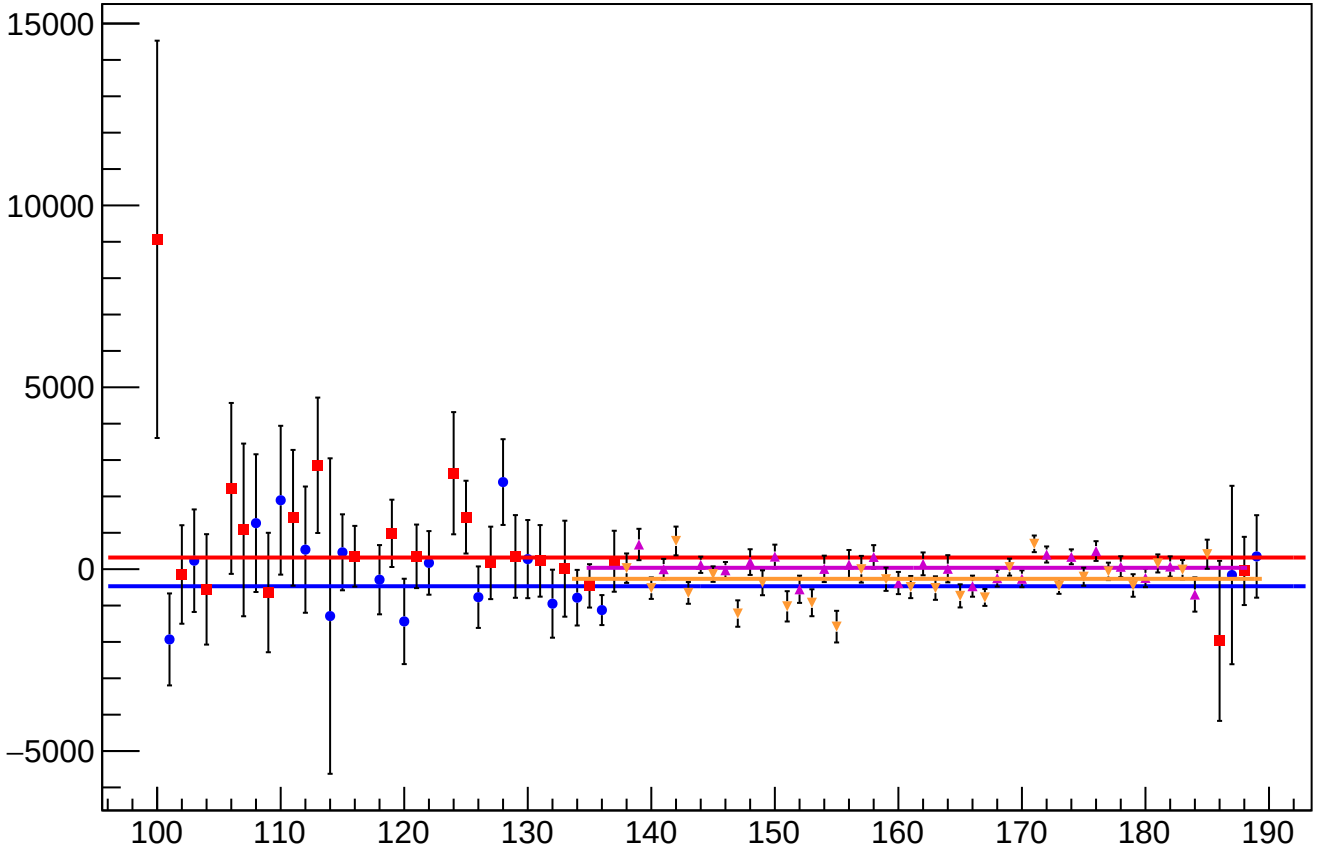
Right: 69.029+/-0.013 χ^2/NDF: 4442683.9/38

In: 50.538+/-0.007 χ^2/NDF:3058926.5/40

Out: 50.554+/-0.007 χ^2/NDF:4362733.5/45

All: 50.546+/-0.005 χ^2/NDF: 7421662.6/86

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -469.270+/-230.905 χ^2/NDF: 16.2/17

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 320.191+/-245.778 χ^2/NDF: 13.0/20

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

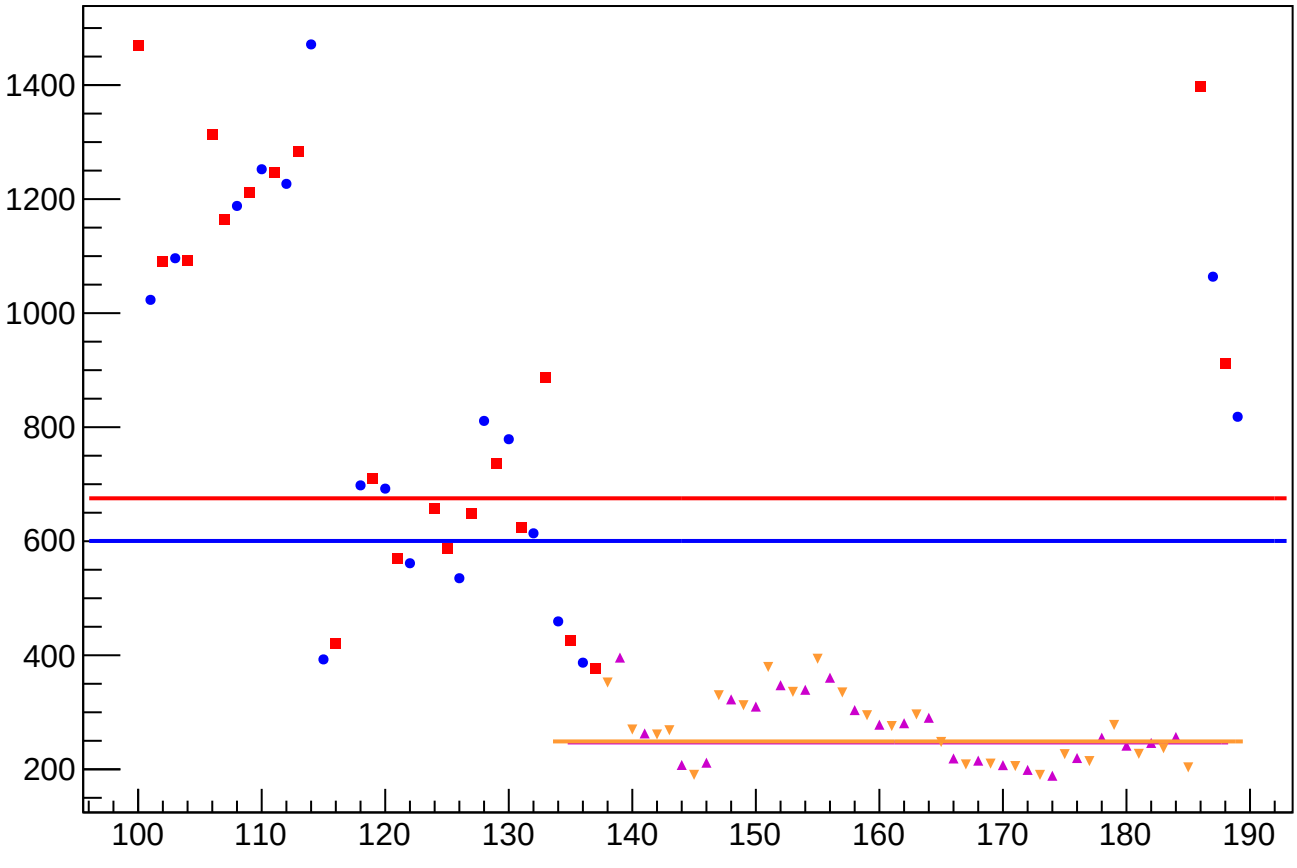
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -99.147+/-168.287 χ^2/NDF: 34.7/38

In: 6.312+/-57.308 χ^2/NDF:47.3/40

Out: -234.747+/-56.478 χ^2/NDF:88.2/45

All: -115.976+/-40.226 χ^2/NDF: 144.5/86



Right In: 600.479+/-0.163 χ^2/NDF: 2205147.8/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 675.288+/-0.174 χ^2/NDF: 2472533.3/20

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

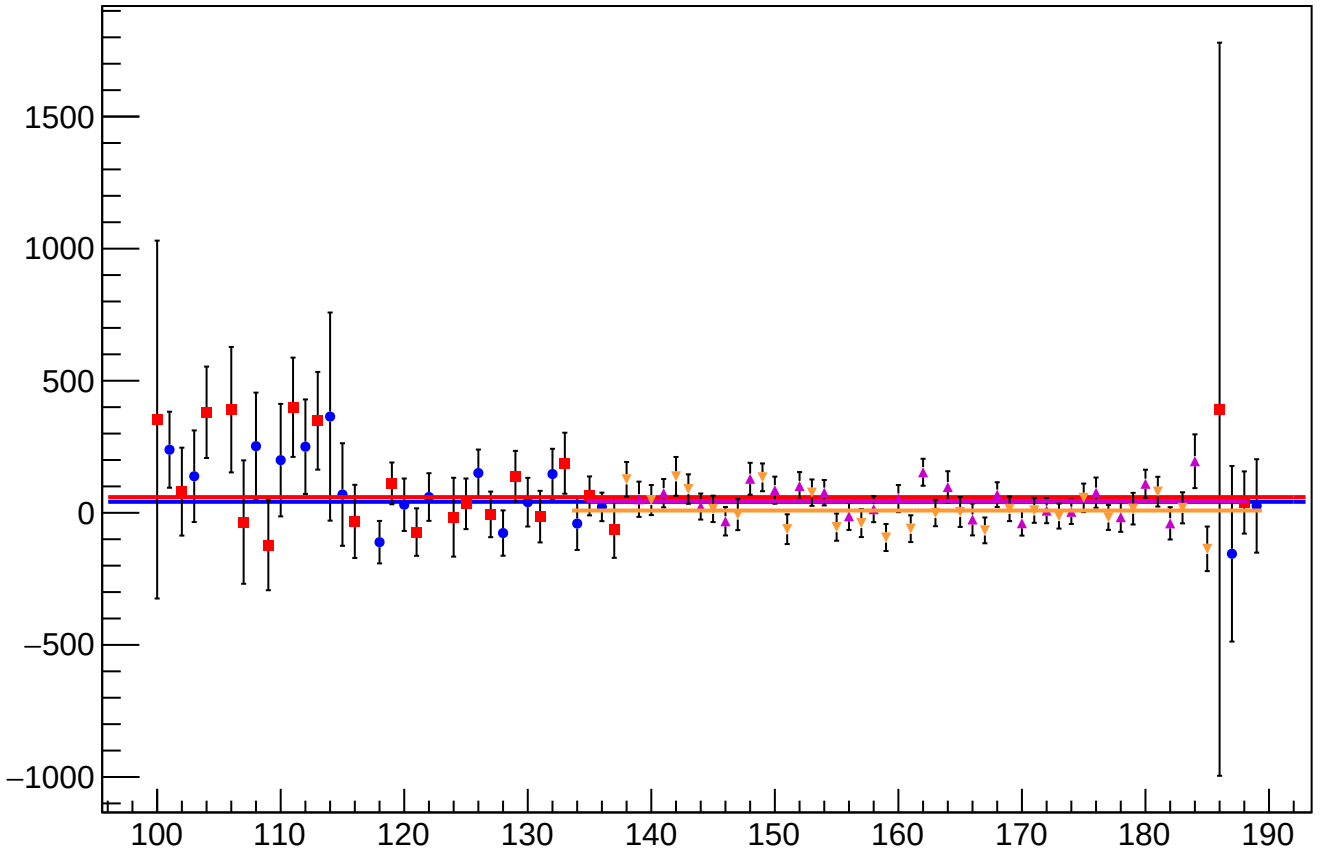
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 635.552+/-0.119 χ^2/NDF: 4776101.5/38

In: 268.876+/-0.041 χ^2/NDF:8085119.2/40

Out: 271.407+/-0.040 χ^2/NDF:9838037.4/45

All: 270.160+/-0.028 χ^2/NDF: 17925135.1/86



Right In: 41.724+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 59.493+/-26.215 χ^2/NDF: 20.4/20

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

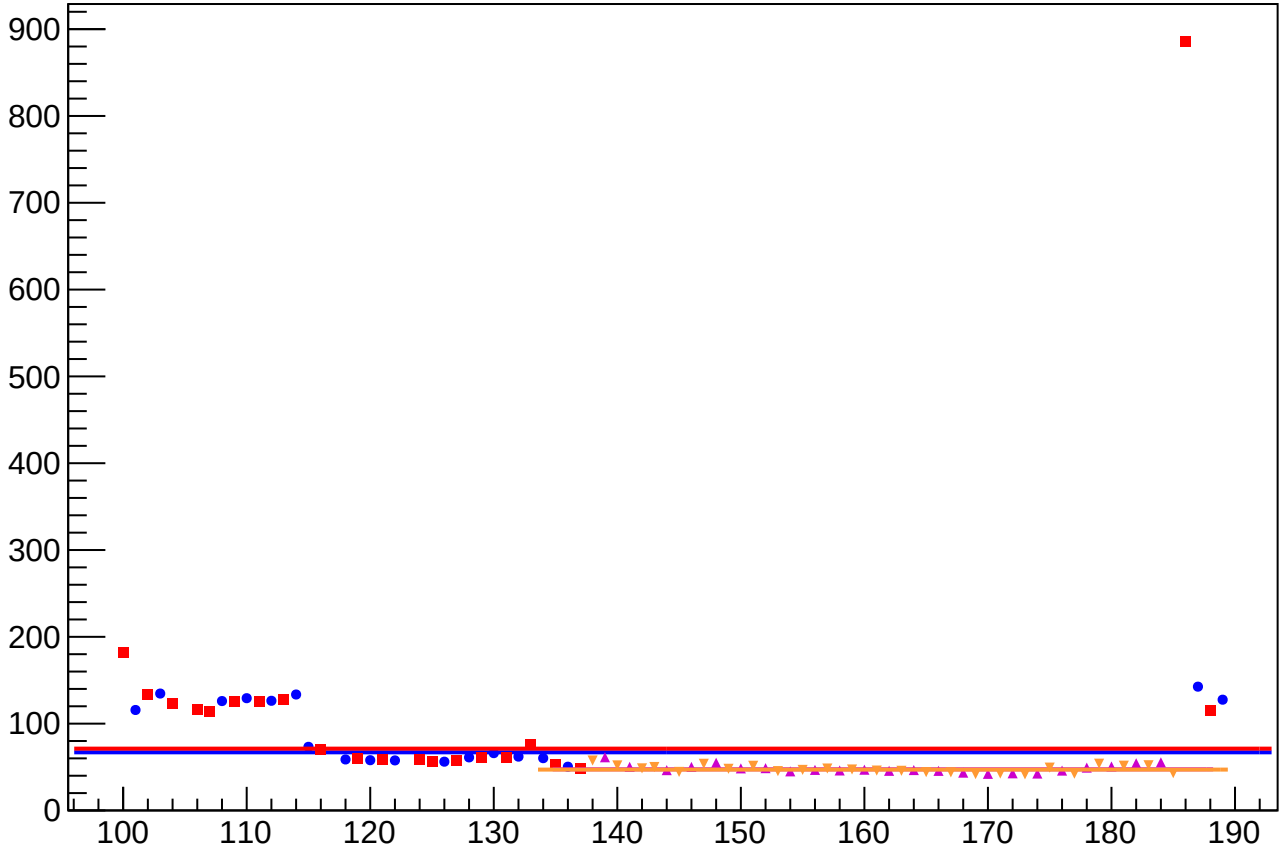
Right: 50.341+/-18.255 χ^2/NDF: 35.9/38

In: 44.086+/-10.211 χ^2/NDF:42.3/40

Out: 16.084+/-9.962 χ^2/NDF:58.2/45

All: 29.739+/-7.130 χ^2/NDF: 104.4/86

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 66.957+/-0.018 χ^2/NDF: 1794473.2/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 71.217+/-0.019 χ^2/NDF: 2617691.4/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

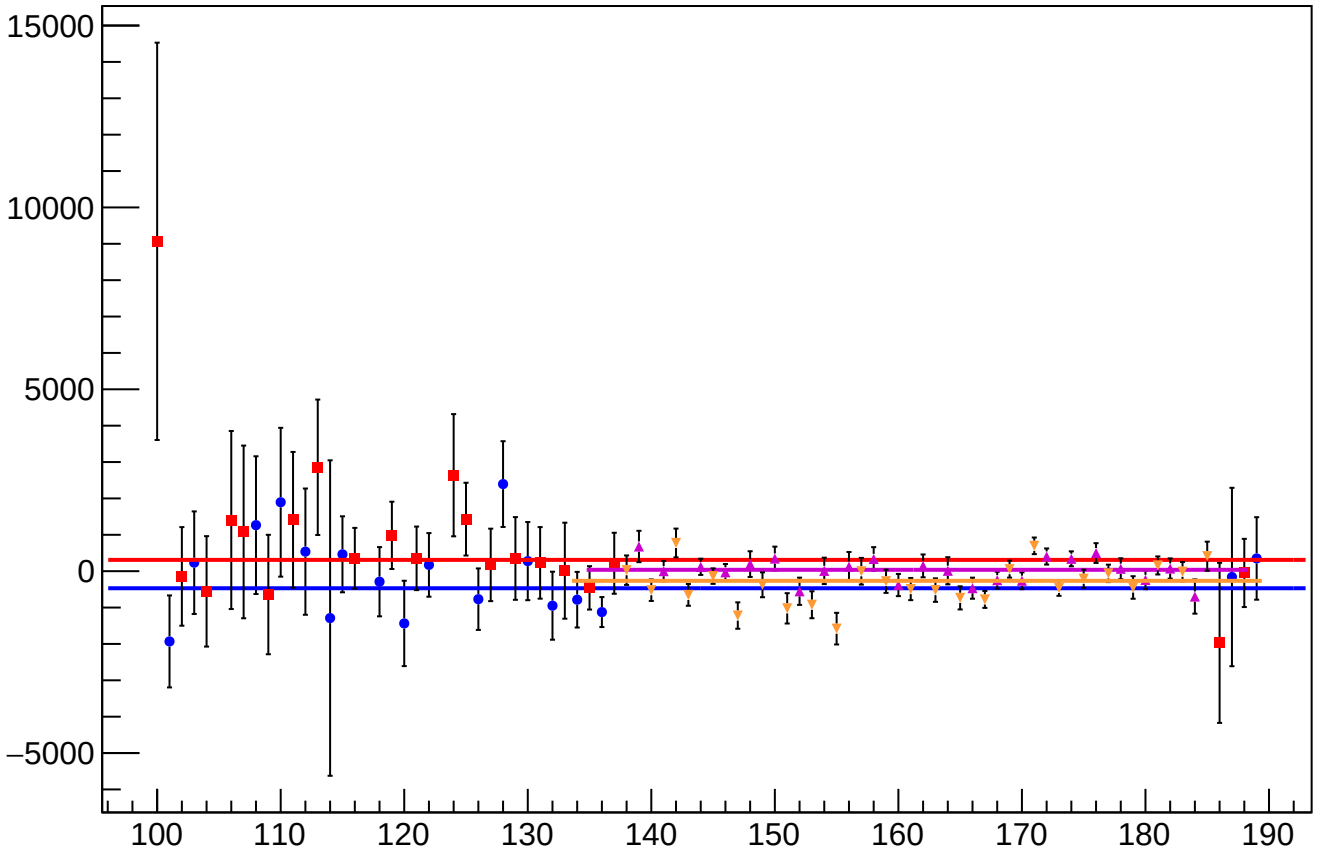
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 69.023+/-0.013 χ^2/NDF: 4439374.2/38

In: 50.538+/-0.007 χ^2/NDF:3058928.5/40

Out: 50.552+/-0.007 χ^2/NDF:4357896.0/45

All: 50.545+/-0.005 χ^2/NDF: 7416826.4/86



Right In: -469.253+/-230.906 χ^2/NDF: 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 310.435+/-245.890 χ^2/NDF: 12.6/20

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

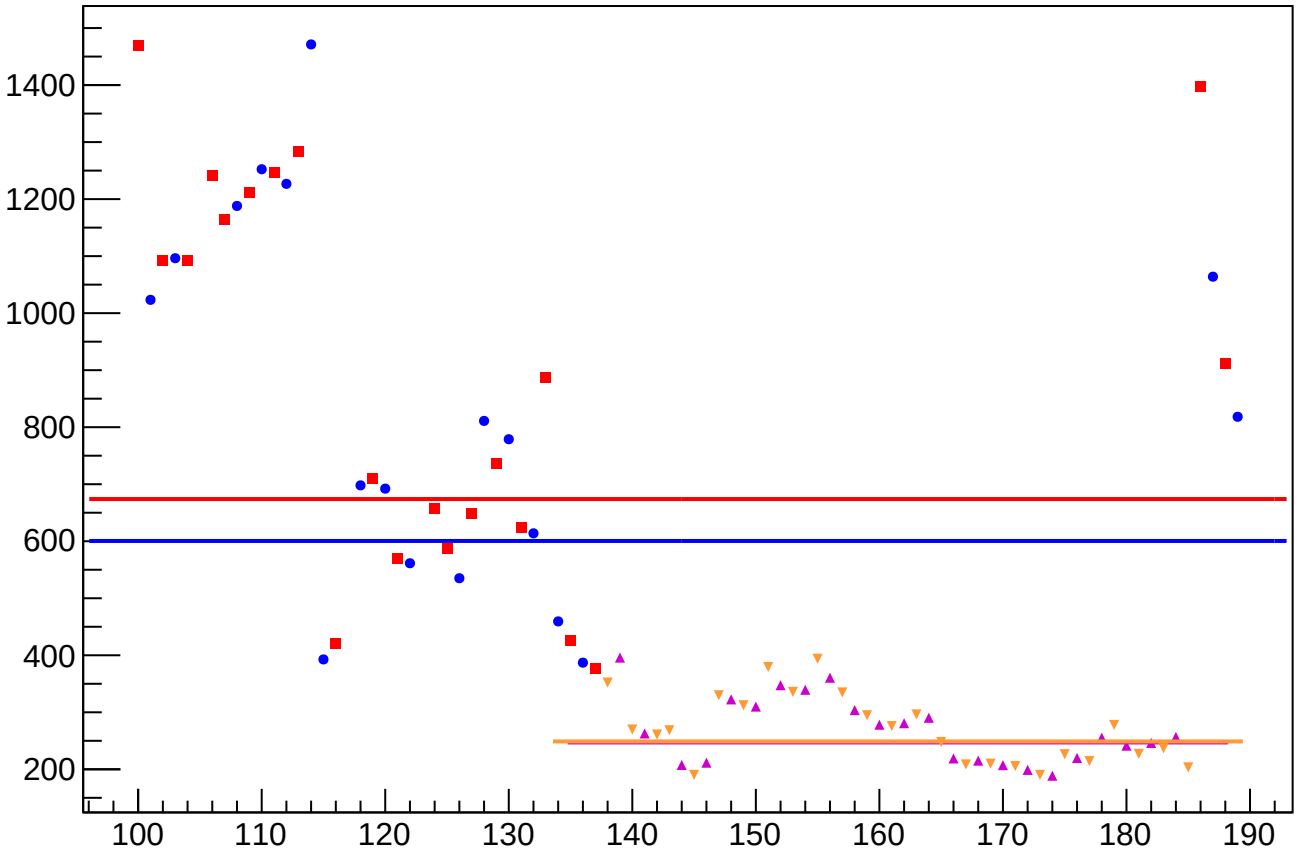
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -103.888+/-168.323 χ^2/NDF: 34.1/38

In: 6.310+/-57.308 χ^2/NDF:47.3/40

Out: -235.284+/-56.480 χ^2/NDF:87.6/45

All: -116.247+/-40.227 χ^2/NDF: 143.9/86



Right In: 600.479+/-0.163 χ^2/NDF: 2205185.2/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 674.019+/-0.174 χ^2/NDF: 2432421.7/20

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

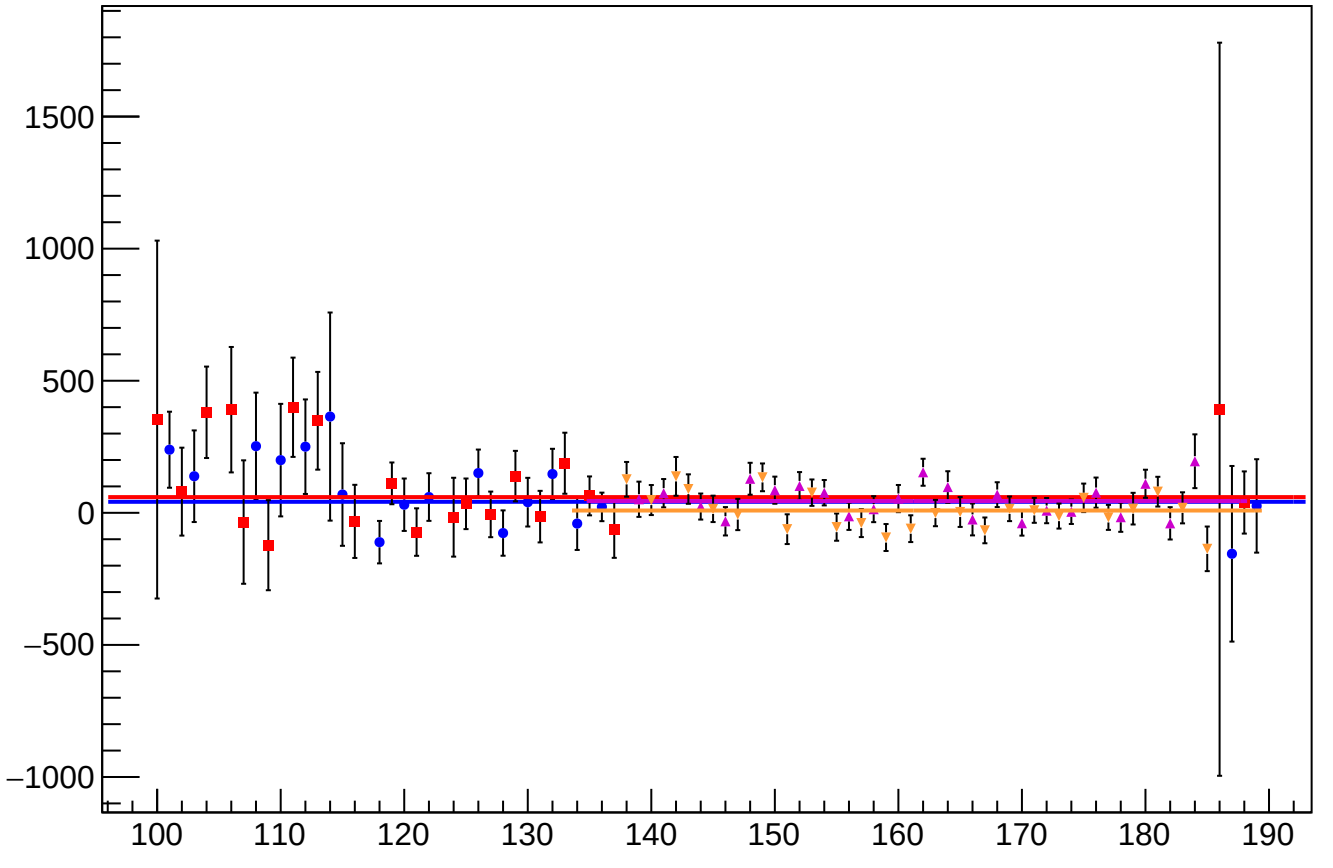
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 634.940+/-0.119 χ^2/NDF: 4732671.8/38

In: 268.876+/-0.041 χ^2/NDF:8085130.3/40

Out: 271.320+/-0.040 χ^2/NDF:9759180.8/45

All: 270.116+/-0.028 χ^2/NDF: 17846156.6/86



Right In: 41.724+/-25.436 χ^2/NDF: 15.3/17

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 59.493+/-26.215 χ^2/NDF: 20.4/20

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

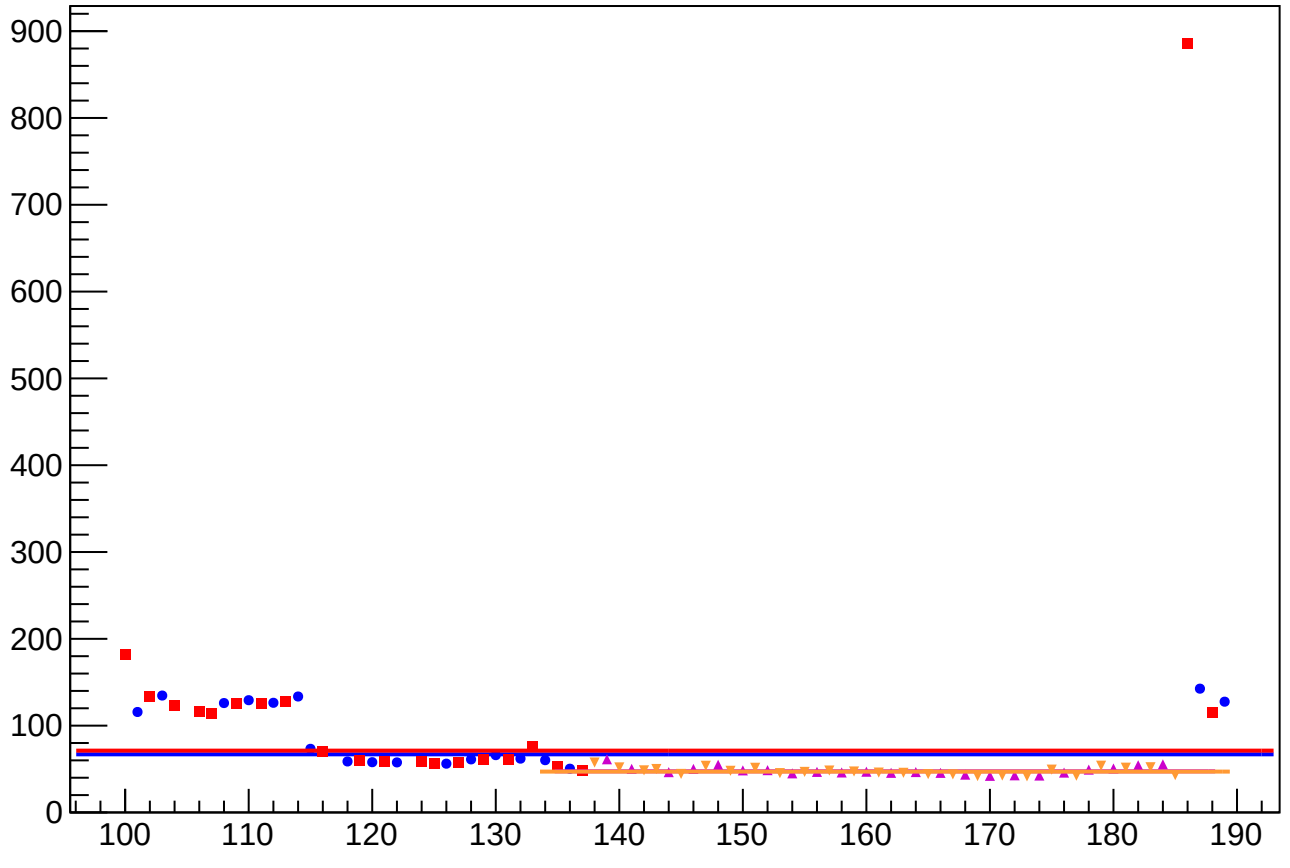
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.341+/-18.255 χ^2/NDF: 35.9/38

In: 44.086+/-10.211 χ^2/NDF:42.3/40

Out: 16.084+/-9.962 χ^2/NDF:58.2/45

All: 29.739+/-7.130 χ^2/NDF: 104.4/86



Right In: 66.957+/-0.018 χ^2/NDF: 1794473.2/17

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 71.217+/-0.019 χ^2/NDF: 2617691.4/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

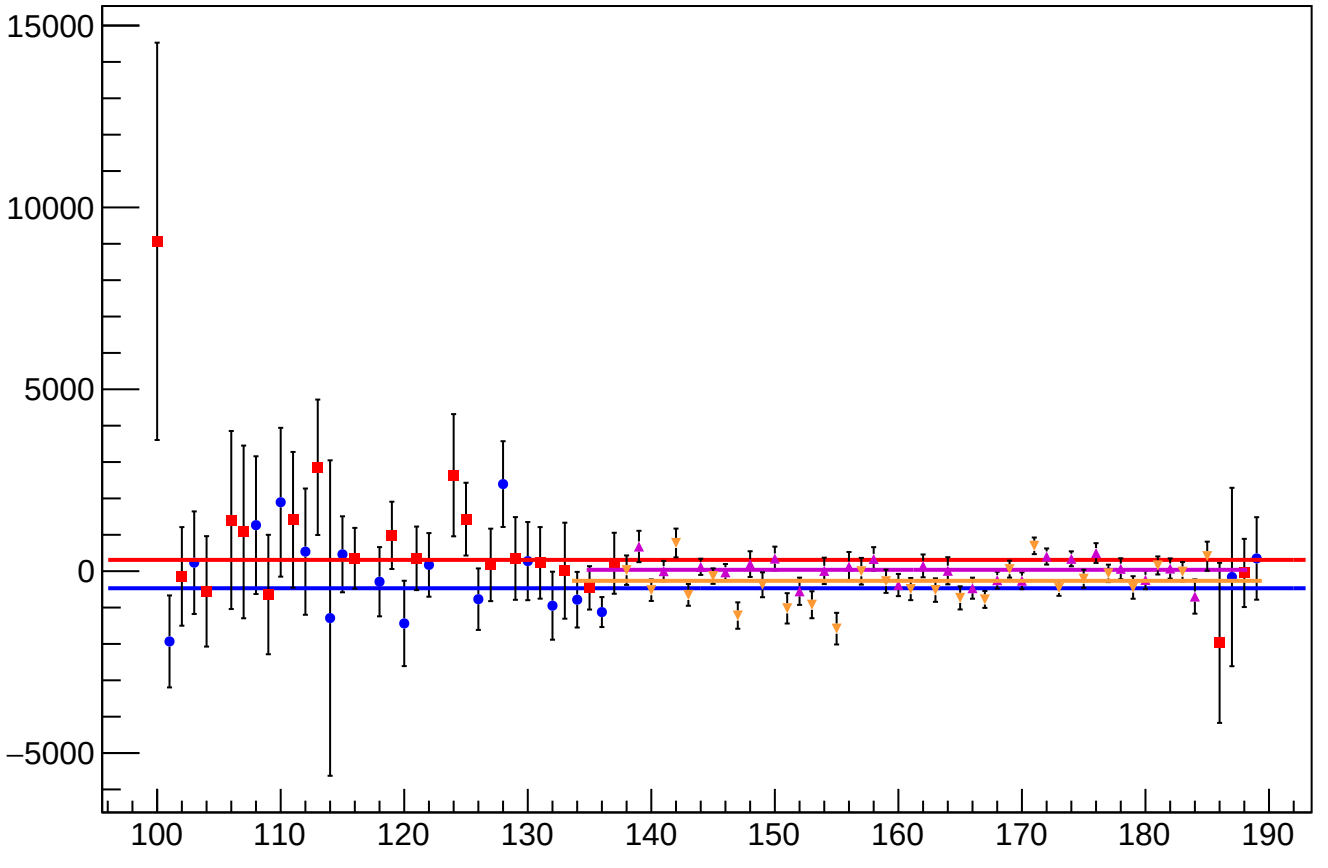
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 69.023+/-0.013 χ^2/NDF: 4439374.2/38

In: 50.538+/-0.007 χ^2/NDF:3058928.5/40

Out: 50.552+/-0.007 χ^2/NDF:4357896.0/45

All: 50.545+/-0.005 χ^2/NDF: 7416826.4/86



Right In: -469.253+/-230.906 χ^2/NDF: 16.2/17

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 310.435+/-245.890 χ^2/NDF: 12.6/20

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

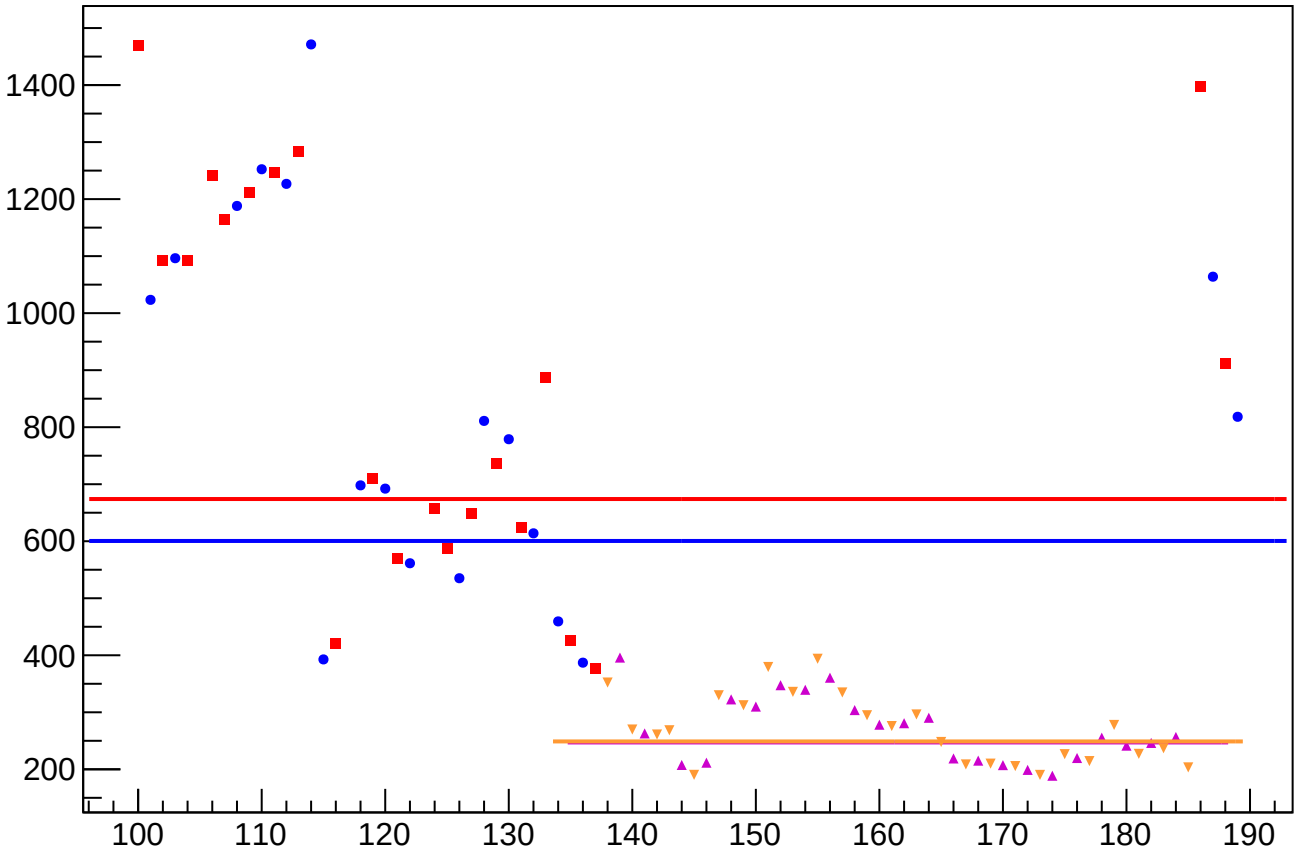
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -103.888+/-168.323 χ^2/NDF: 34.1/38

In: 6.310+/-57.308 χ^2/NDF:47.3/40

Out: -235.284+/-56.480 χ^2/NDF:87.6/45

All: -116.247+/-40.227 χ^2/NDF: 143.9/86



Right In: 600.479+/-0.163 χ^2/NDF: 2205185.2/17

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 674.019+/-0.174 χ^2/NDF: 2432421.7/20

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

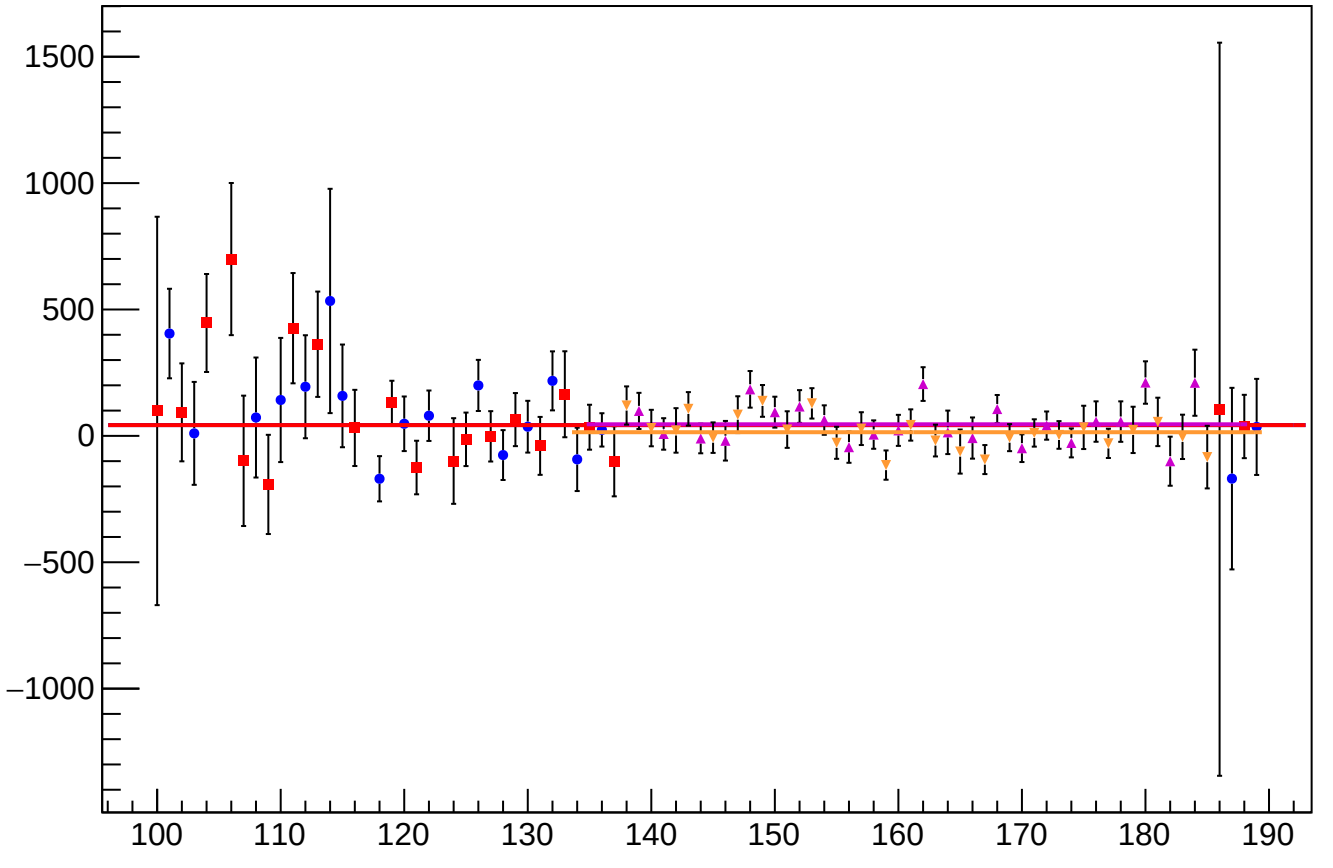
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 634.940+/-0.119 χ^2/NDF: 4732671.8/38

In: 268.876+/-0.041 χ^2/NDF:8085130.3/40

Out: 271.320+/-0.040 χ^2/NDF:9759180.8/45

All: 270.116+/-0.028 χ^2/NDF: 17846156.6/86



Right In: 42.738+/-29.446 χ^2/NDF: 20.0/17

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 42.590+/-30.313 χ^2/NDF: 23.3/20

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

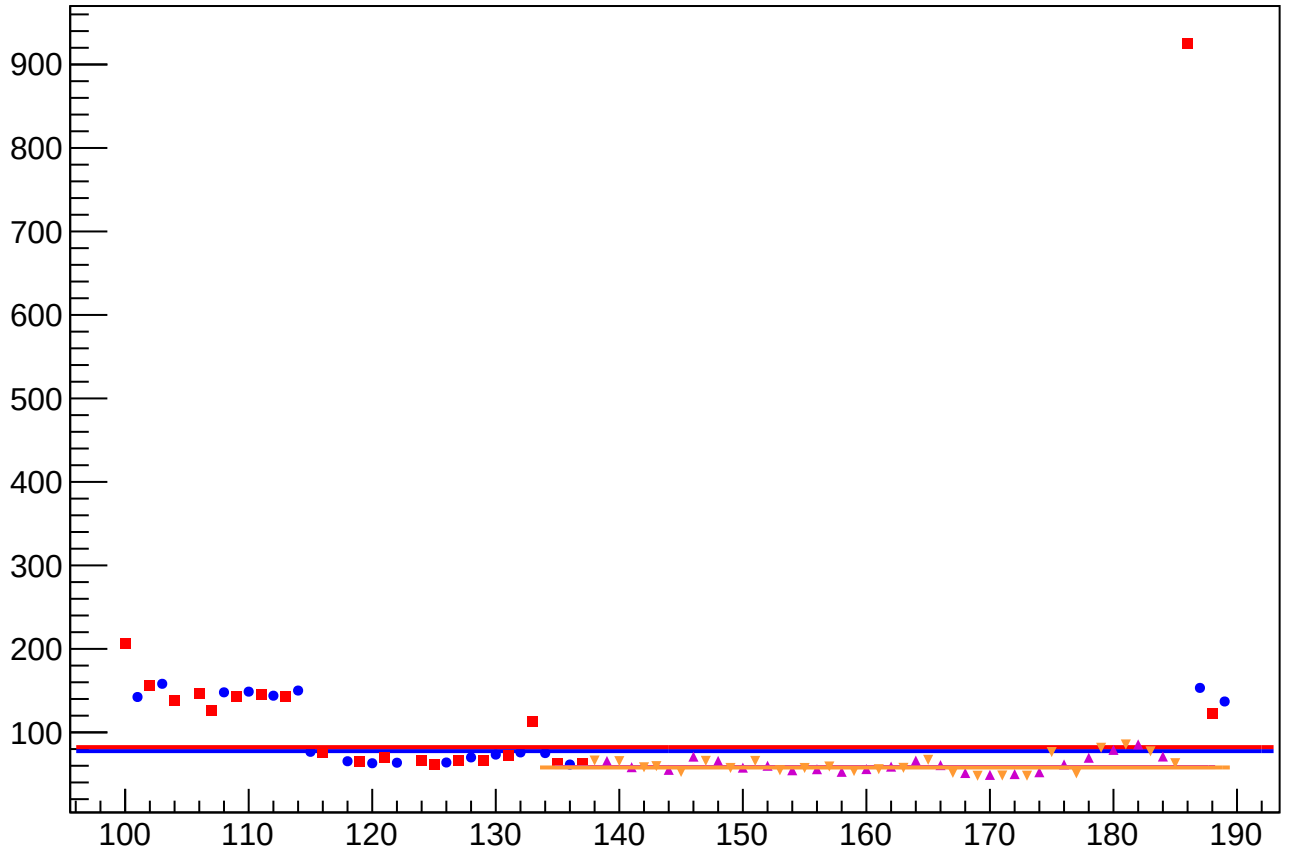
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 42.666+/-21.121 χ^2/NDF: 43.3/38

In: 45.245+/-12.593 χ^2/NDF:50.7/40

Out: 19.121+/-12.297 χ^2/NDF:48.5/45

All: 31.873+/-8.798 χ^2/NDF: 101.4/86



Right In: 77.541+/-0.021 χ^2/NDF: 1758991.6/17

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 82.326+/-0.021 χ^2/NDF: 2576761.9/20

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

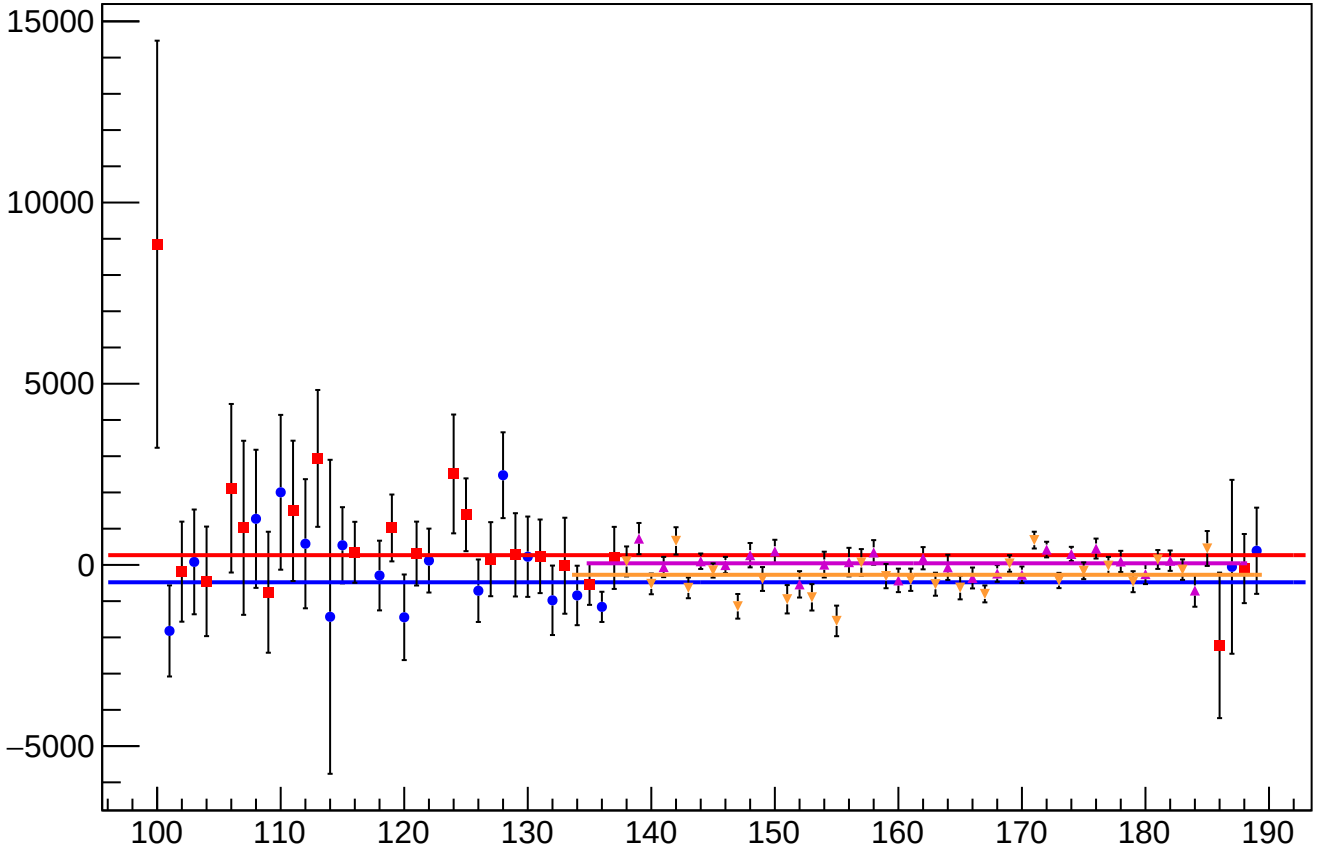
Right: 79.864+/-0.015 χ^2/NDF: 4361397.1/38

In: 61.966+/-0.009 χ^2/NDF:3093781.8/40

Out: 61.975+/-0.009 χ^2/NDF:4552830.9/45

All: 61.970+/-0.006 χ^2/NDF: 7646613.2/86

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -479.136+/-235.359 χ^2/NDF: 16.4/17

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 269.276+/-245.942 χ^2/NDF: 13.7/20

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

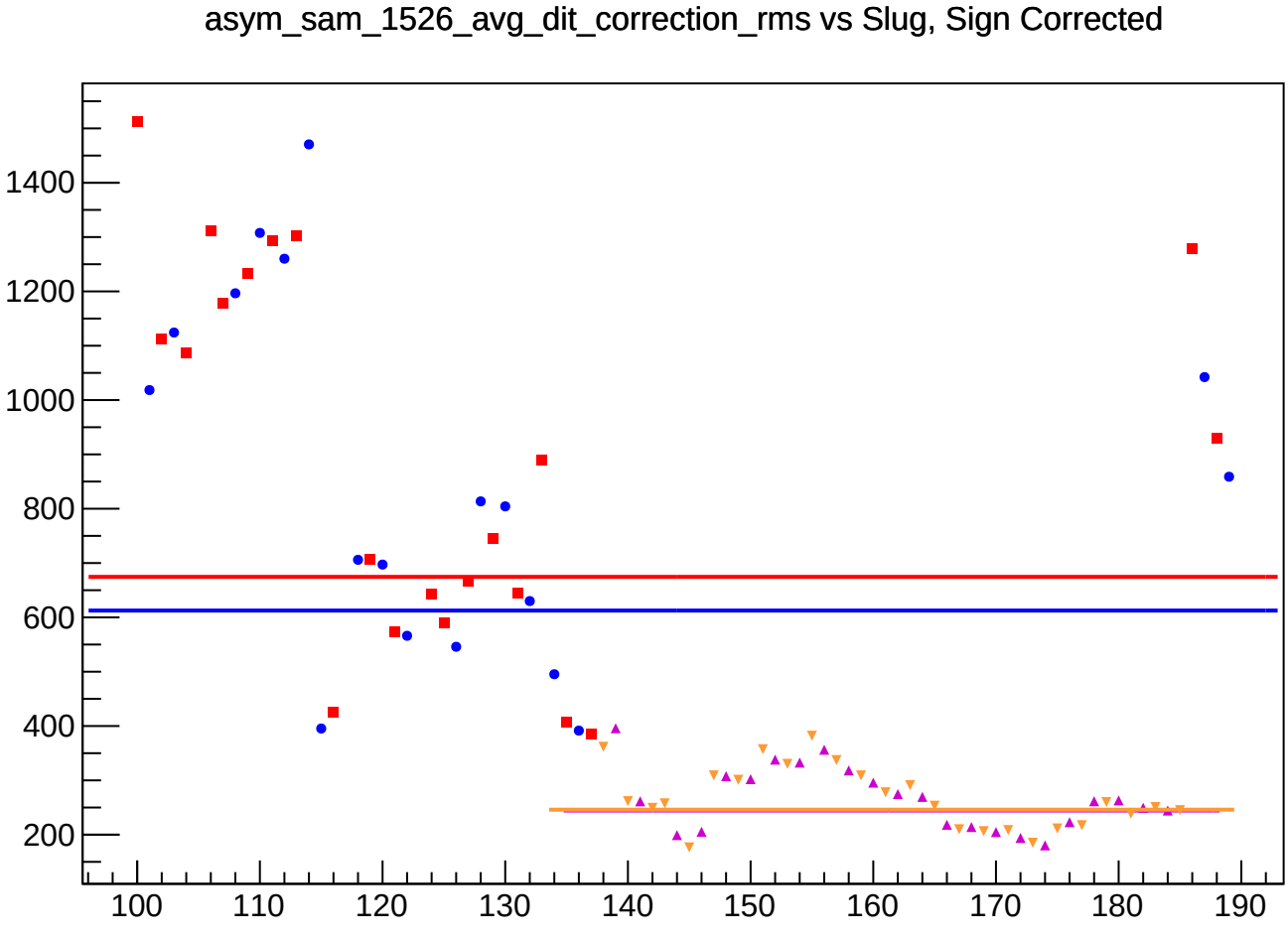
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -121.379+/-170.042 χ^2/NDF: 34.9/38

In: 13.969+/-56.877 χ^2/NDF:47.5/40

Out: -244.643+/-55.782 χ^2/NDF:84.0/45

All: -117.851+/-39.825 χ^2/NDF: 142.1/86



Right In: 612.528+/-0.166 χ^2/NDF: 2204946.3/17

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 674.544+/-0.174 χ^2/NDF: 2554610.9/20

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

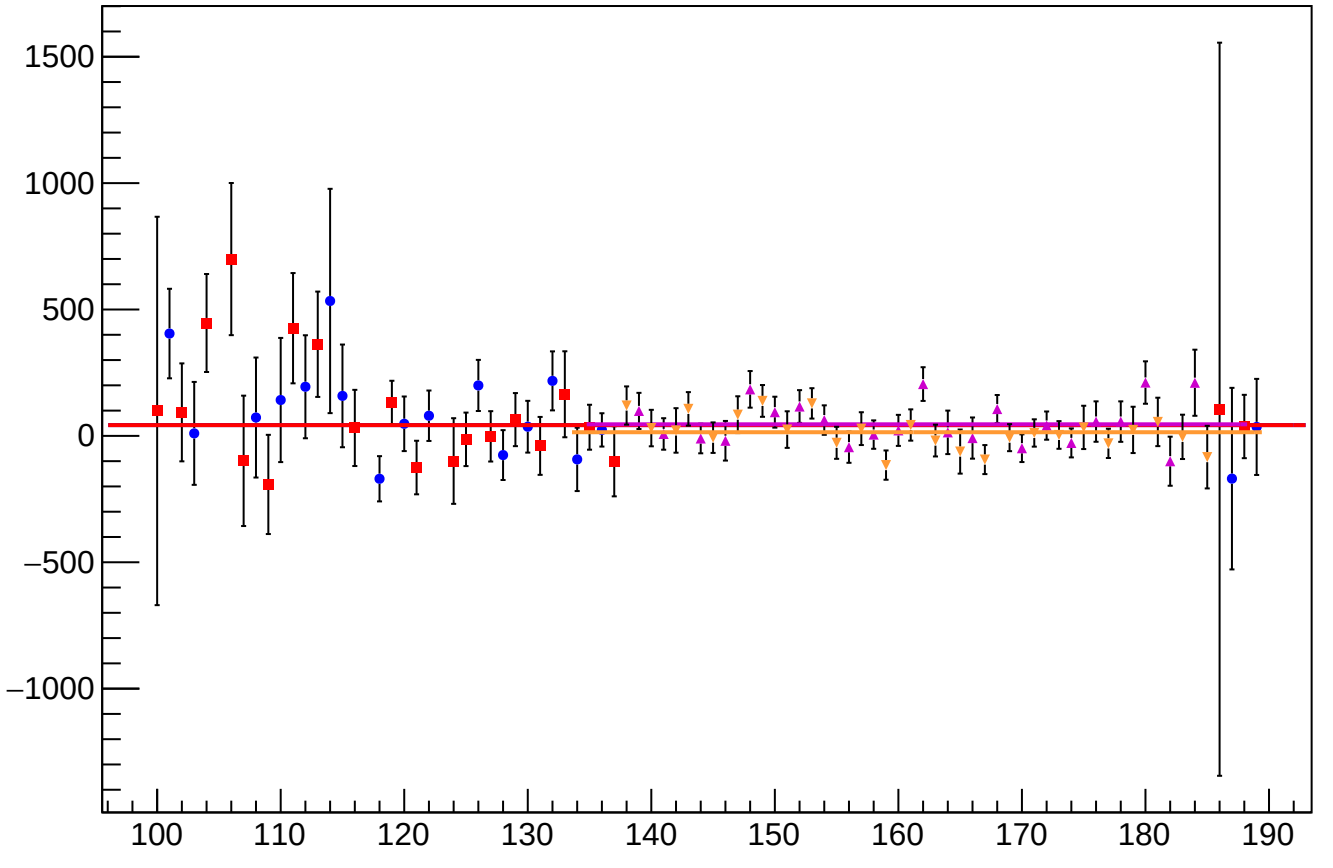
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 642.173+/-0.120 χ^2/NDF: 4825933.8/38

In: 265.946+/-0.040 χ^2/NDF:8407857.3/40

Out: 268.061+/-0.039 χ^2/NDF:9994667.7/45

All: 267.024+/-0.028 χ^2/NDF: 18403934.6/86



Right In: 42.740+/-29.445 χ^2/NDF: 20.0/17

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 42.590+/-30.313 χ^2/NDF: 23.3/20

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

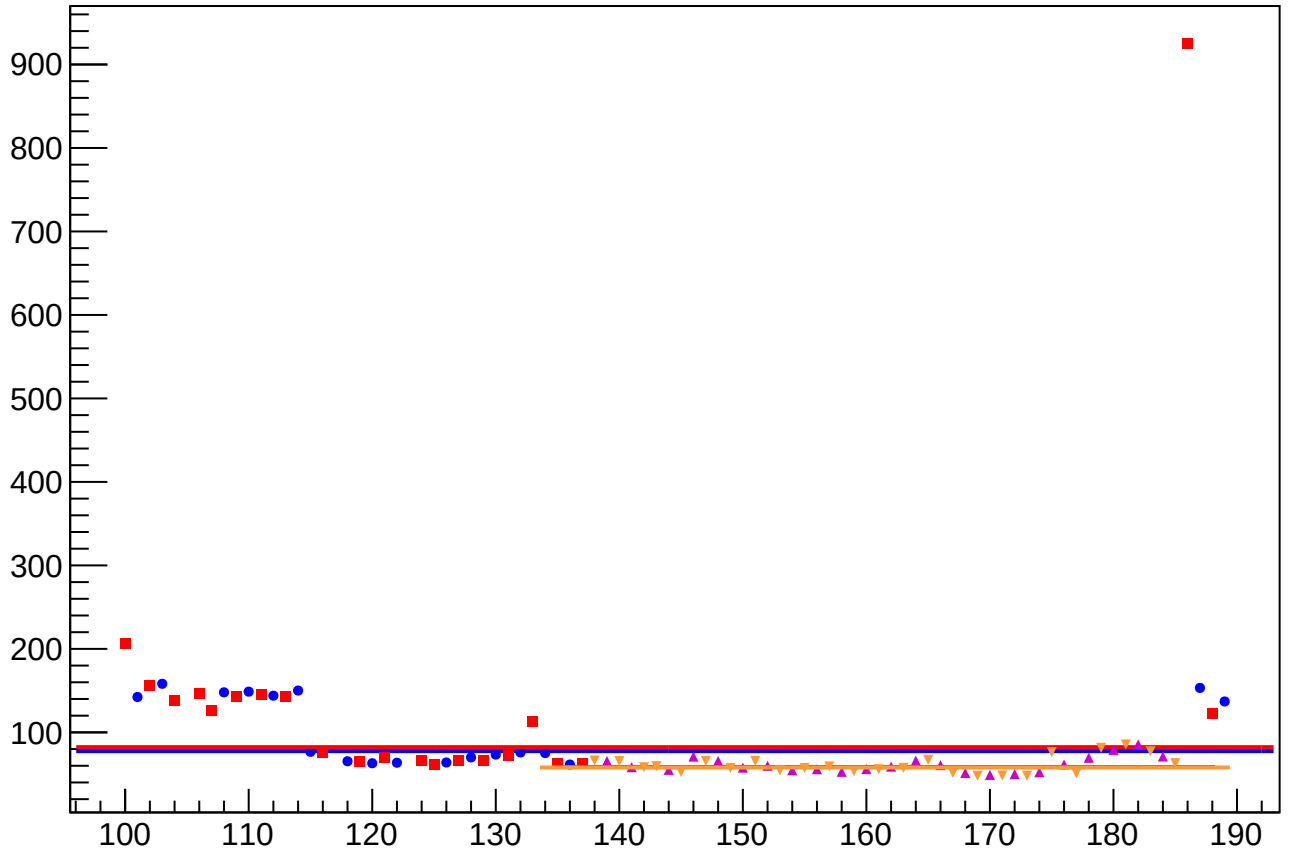
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 42.667+/-21.121 χ^2/NDF: 43.3/38

In: 45.245+/-12.593 χ^2/NDF:50.7/40

Out: 19.121+/-12.297 χ^2/NDF:48.5/45

All: 31.873+/-8.798 χ^2/NDF: 101.4/86



Right In: 77.541+/-0.021 χ^2/NDF: 1758980.7/17

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 82.326+/-0.021 χ^2/NDF: 2576759.3/20

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

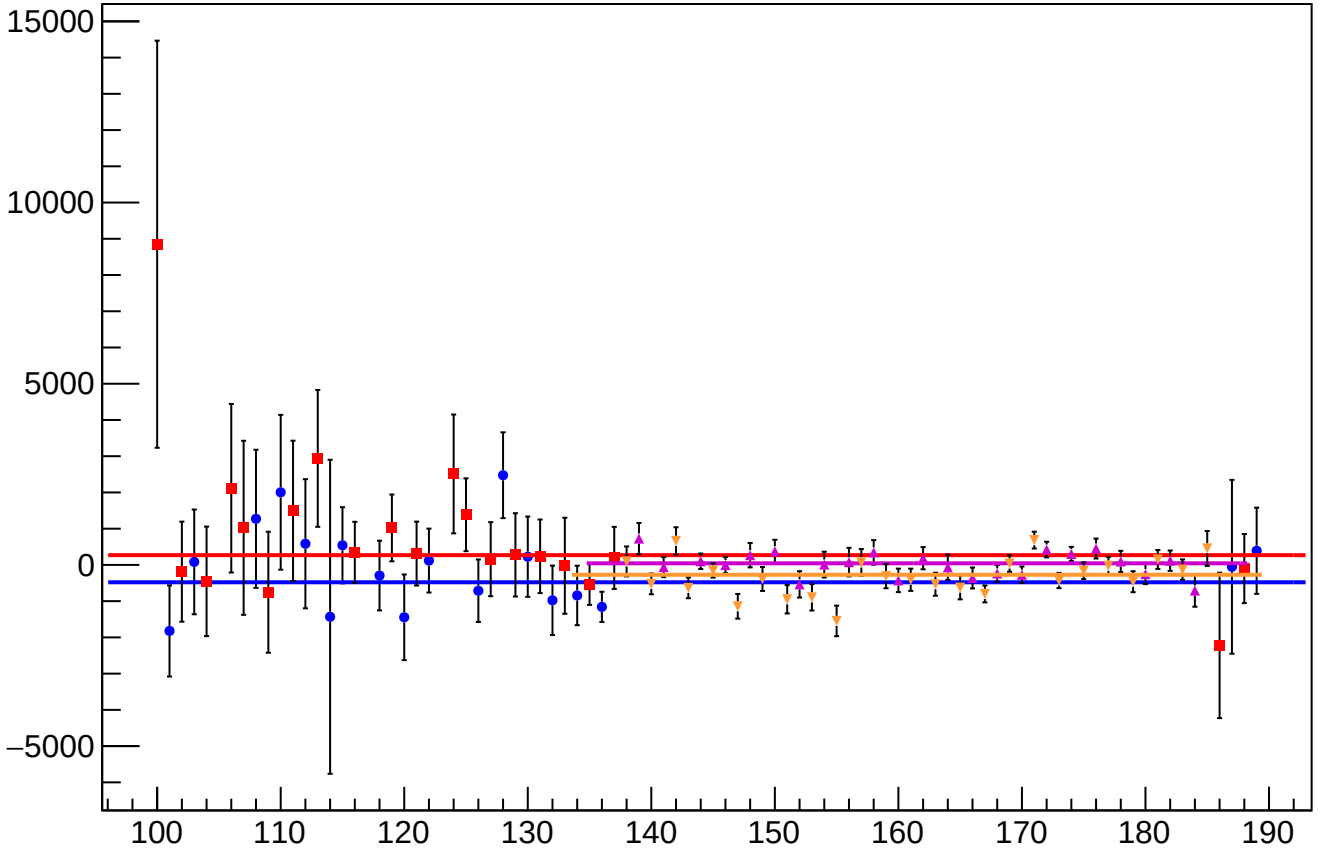
Right: 79.864+/-0.015 χ^2/NDF: 4361384.1/38

In: 61.966+/-0.009 χ^2/NDF:3093732.1/40

Out: 61.975+/-0.009 χ^2/NDF:4552805.5/45

All: 61.970+/-0.006 χ^2/NDF: 7646538.1/86

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -479.134+/-235.358 χ^2/NDF: 16.4/17

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 269.276+/-245.942 χ^2/NDF: 13.7/20

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

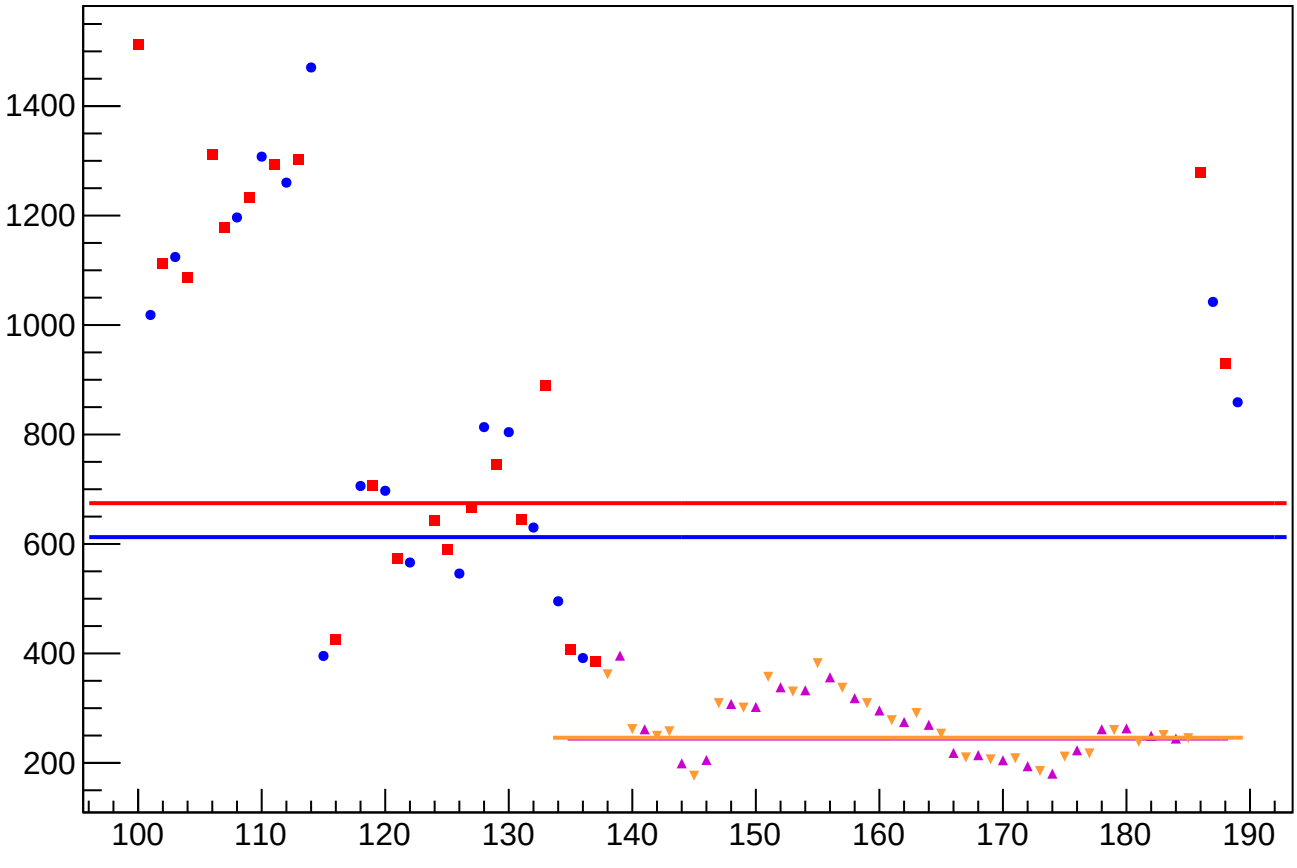
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -121.378+/-170.042 χ^2/NDF: 34.9/38

In: 13.969+/-56.877 χ^2/NDF:47.5/40

Out: -244.642+/-55.781 χ^2/NDF:84.0/45

All: -117.851+/-39.825 χ^2/NDF: 142.1/86



Right In: 612.528+/-0.166 χ^2/NDF: 2204928.6/17

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 674.543+/-0.174 χ^2/NDF: 2554592.7/20

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

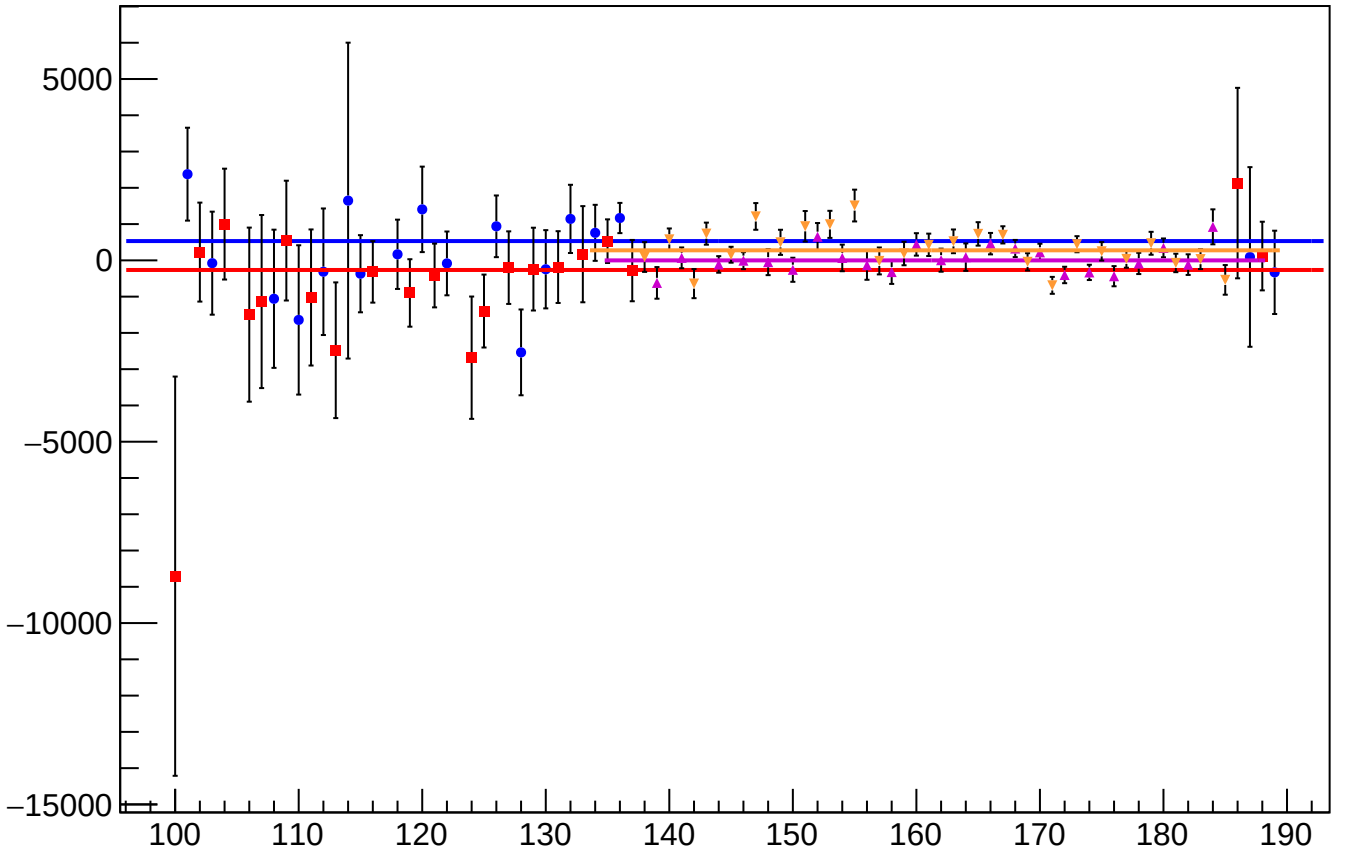
Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

Right: 642.172+/-0.120 χ^2/NDF: 4825898.0/38

In: 265.945+/-0.040 χ^2/NDF:8407836.1/40

Out: 268.060+/-0.039 χ^2/NDF:9994664.4/45

All: 267.023+/-0.028 χ^2/NDF: 18403909.8/86



Right In: 531.968+/-232.877 χ^2/NDF: 17.2/17

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -265.054+/-248.013 χ^2/NDF: 12.1/20

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

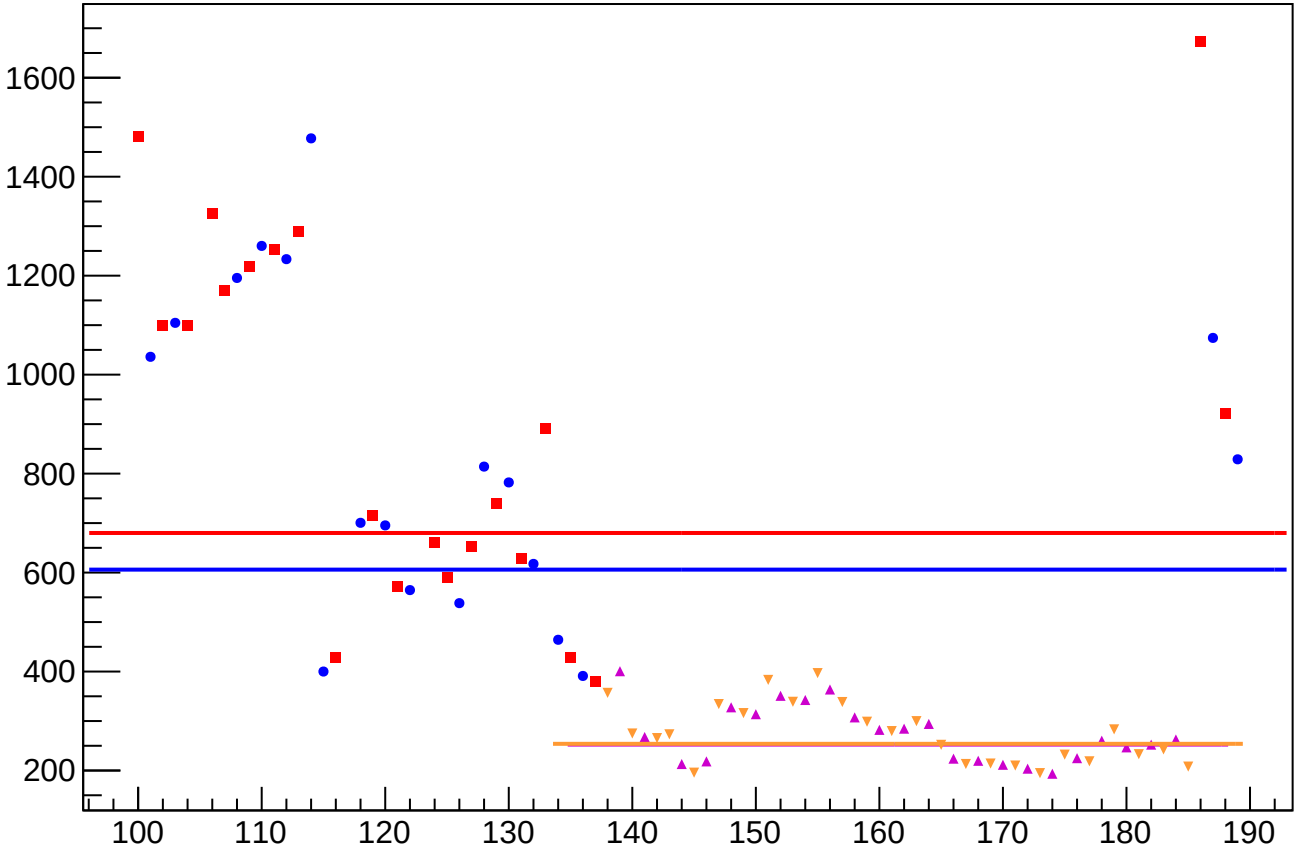
Right: 158.519+/-169.768 χ^2/NDF: 34.7/38

In: 32.964+/-58.426 χ^2/NDF:50.2/40

Out: 247.902+/-57.535 χ^2/NDF:80.7/45

All: 142.084+/-40.995 χ^2/NDF: 137.7/86

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 605.979+/-0.165 χ^2/NDF: 2189412.4/17

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 680.021+/-0.175 χ^2/NDF: 2528657.9/20

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

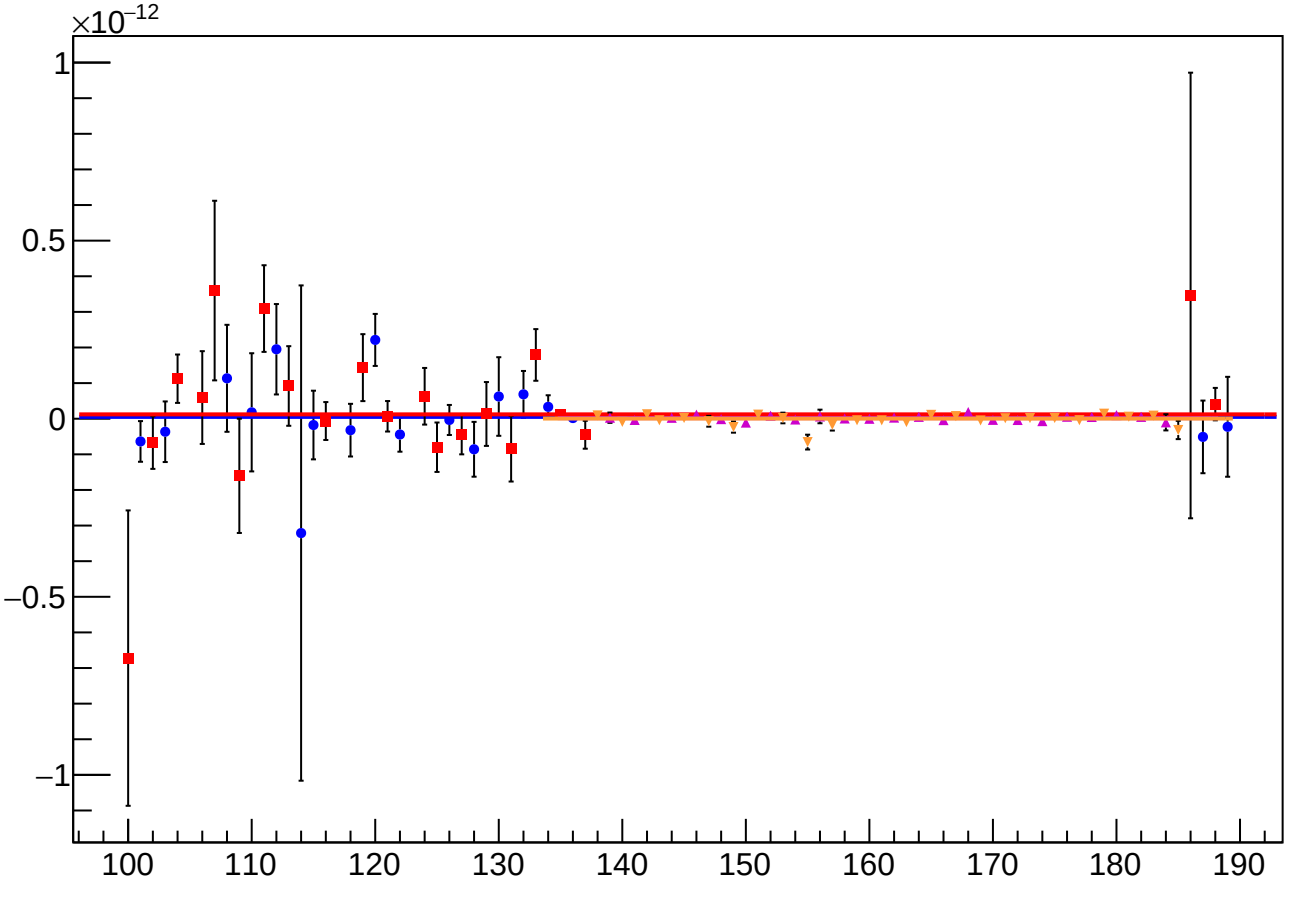
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 640.672+/-0.120 χ^2/NDF: 4812803.9/38

In: 274.646+/-0.041 χ^2/NDF:7922116.8/40

Out: 276.883+/-0.041 χ^2/NDF:9704292.9/45

All: 275.782+/-0.029 χ^2/NDF: 17627897.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/20

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

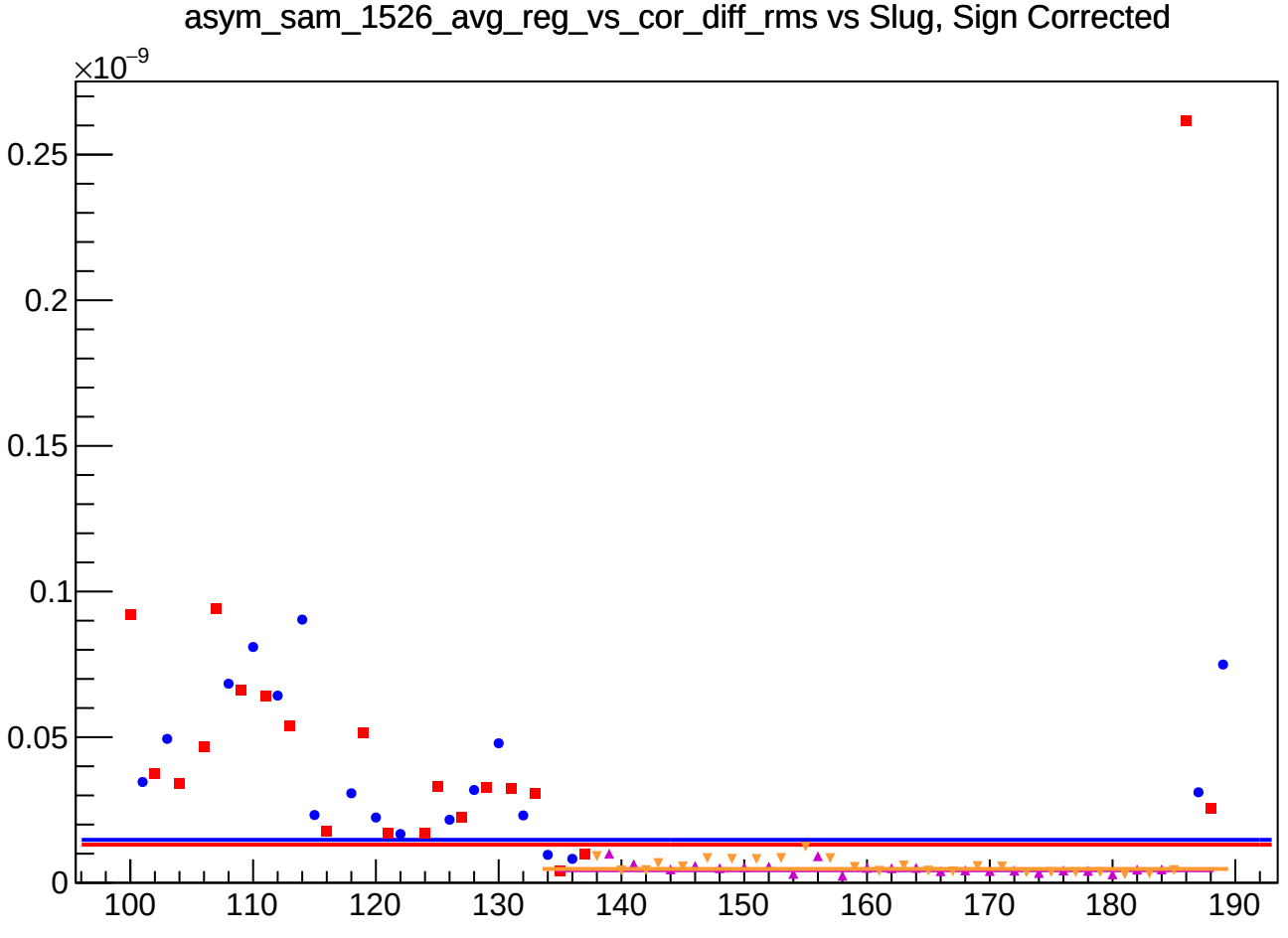
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 49.0/38

In: 0.000+/-0.000 χ^2/NDF:32.7/40

Out: 0.000+/-0.000 χ^2/NDF:58.3/45

All: 0.000+/-0.000 χ^2/NDF: 91.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 2917603.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3946881.9/20

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

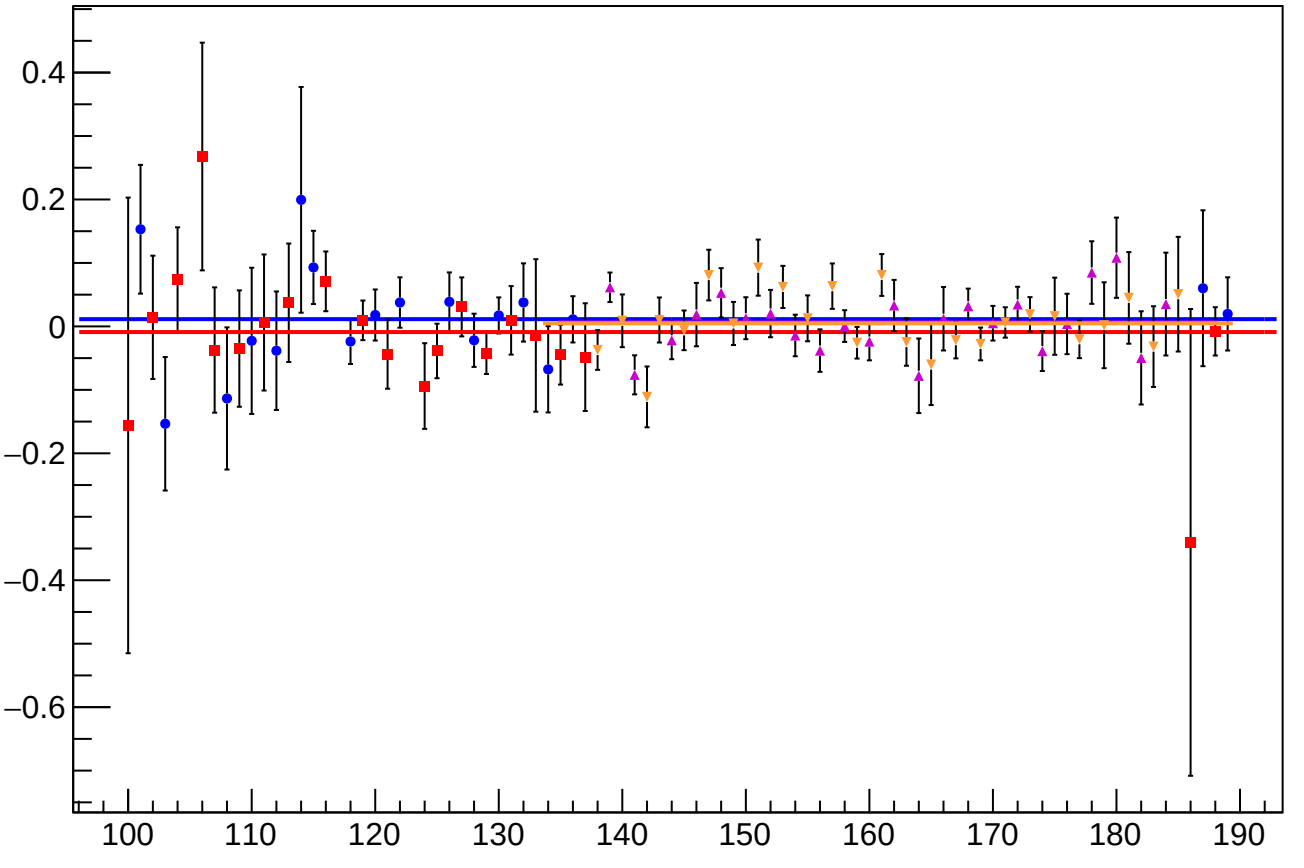
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6890471.4/38

In: 0.000+/-0.000 χ^2/NDF:5837566.2/40

Out: 0.000+/-0.000 χ^2/NDF:6830350.5/45

All: 0.000+/-0.000 χ^2/NDF: 12713826.7/86



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

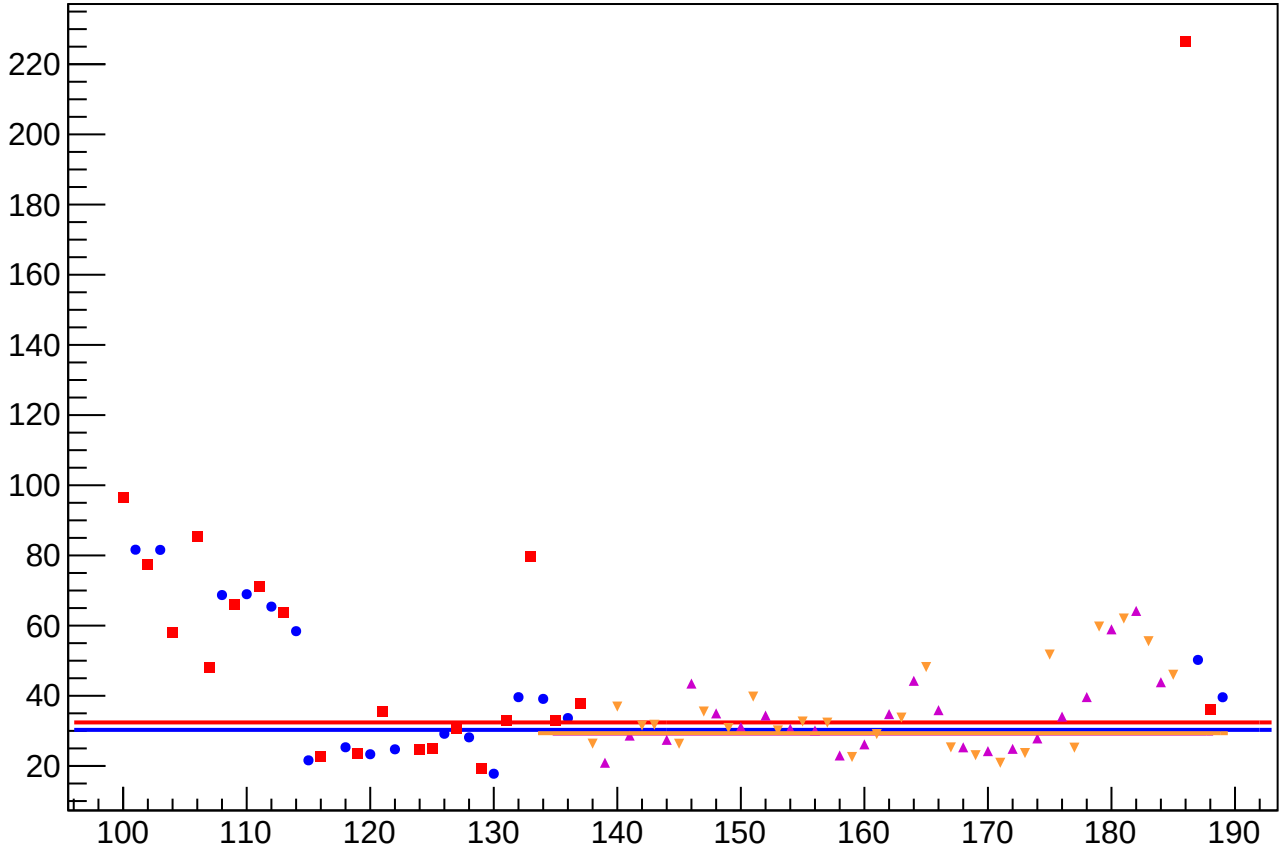
Right: 0.001+/-0.009 χ^2/NDF: 27.9/38

In: 0.008+/-0.006 χ^2/NDF:44.4/40

Out: 0.002+/-0.006 χ^2/NDF:48.1/45

All: 0.005+/-0.004 χ^2/NDF: 93.0/86

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.284+/-0.009 χ^2/NDF: 2558486.4/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.407+/-0.009 χ^2/NDF: 3232157.6/20

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

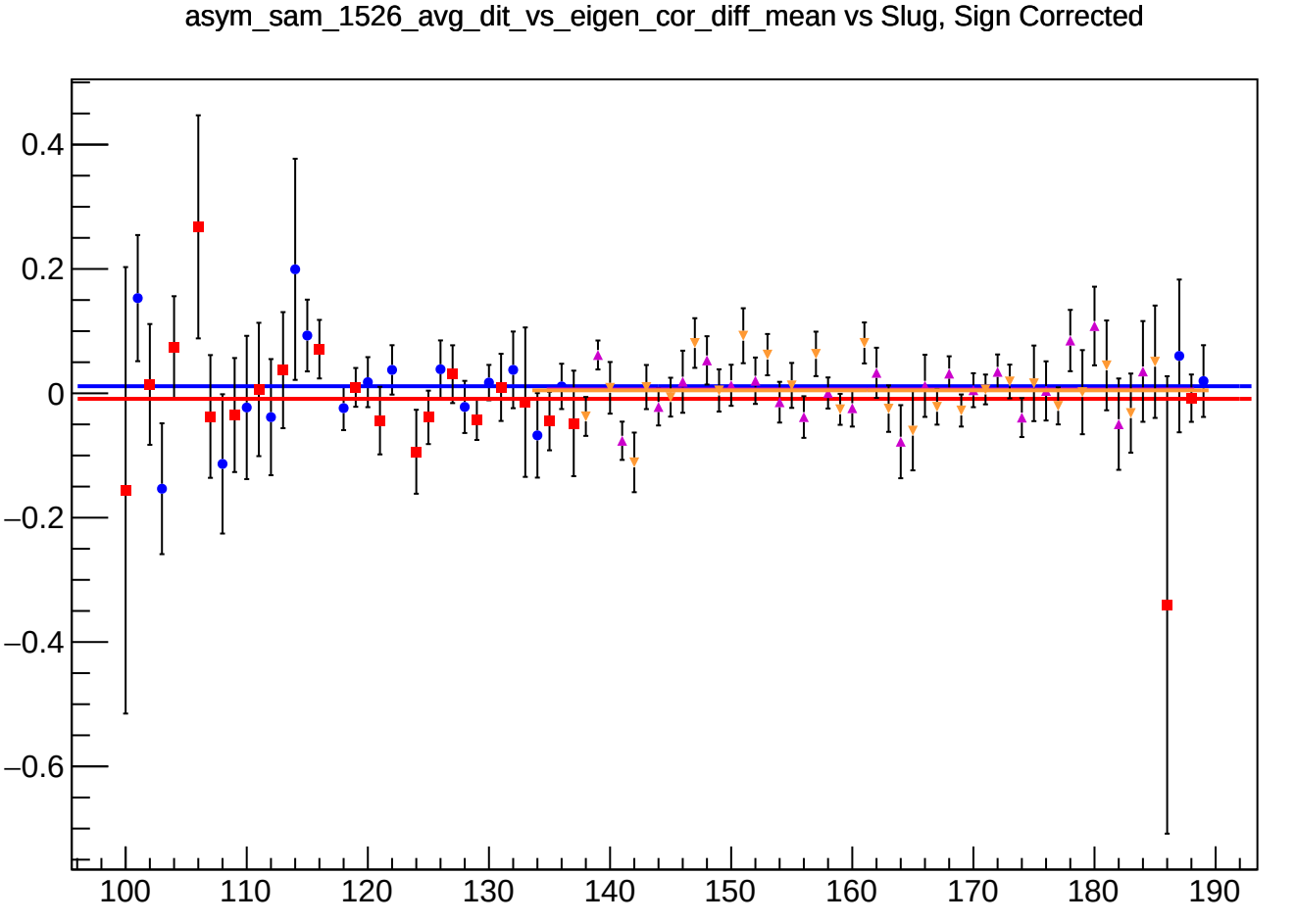
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.320+/-0.006 χ^2/NDF: 5820174.0/38

In: 29.503+/-0.004 χ^2/NDF:4667222.9/40

Out: 30.087+/-0.004 χ^2/NDF:6010455.0/45

All: 29.798+/-0.003 χ^2/NDF: 10686542.4/86



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

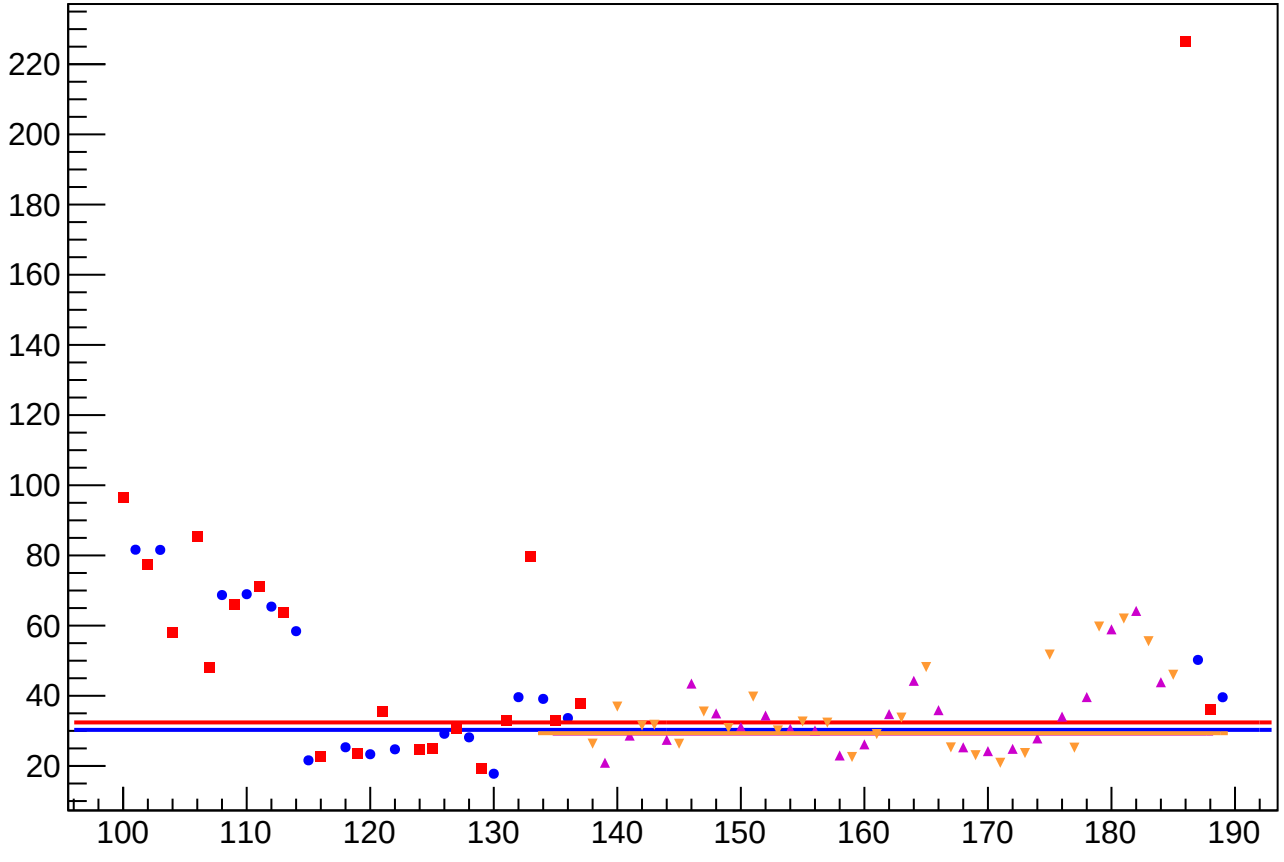
Right: 0.001+/-0.009 χ^2/NDF: 27.9/38

In: 0.008+/-0.006 χ^2/NDF:44.4/40

Out: 0.002+/-0.006 χ^2/NDF:48.1/45

All: 0.005+/-0.004 χ^2/NDF: 93.0/86

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.284+/-0.009 χ^2/NDF: 2558486.4/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.407+/-0.009 χ^2/NDF: 3232157.6/20

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

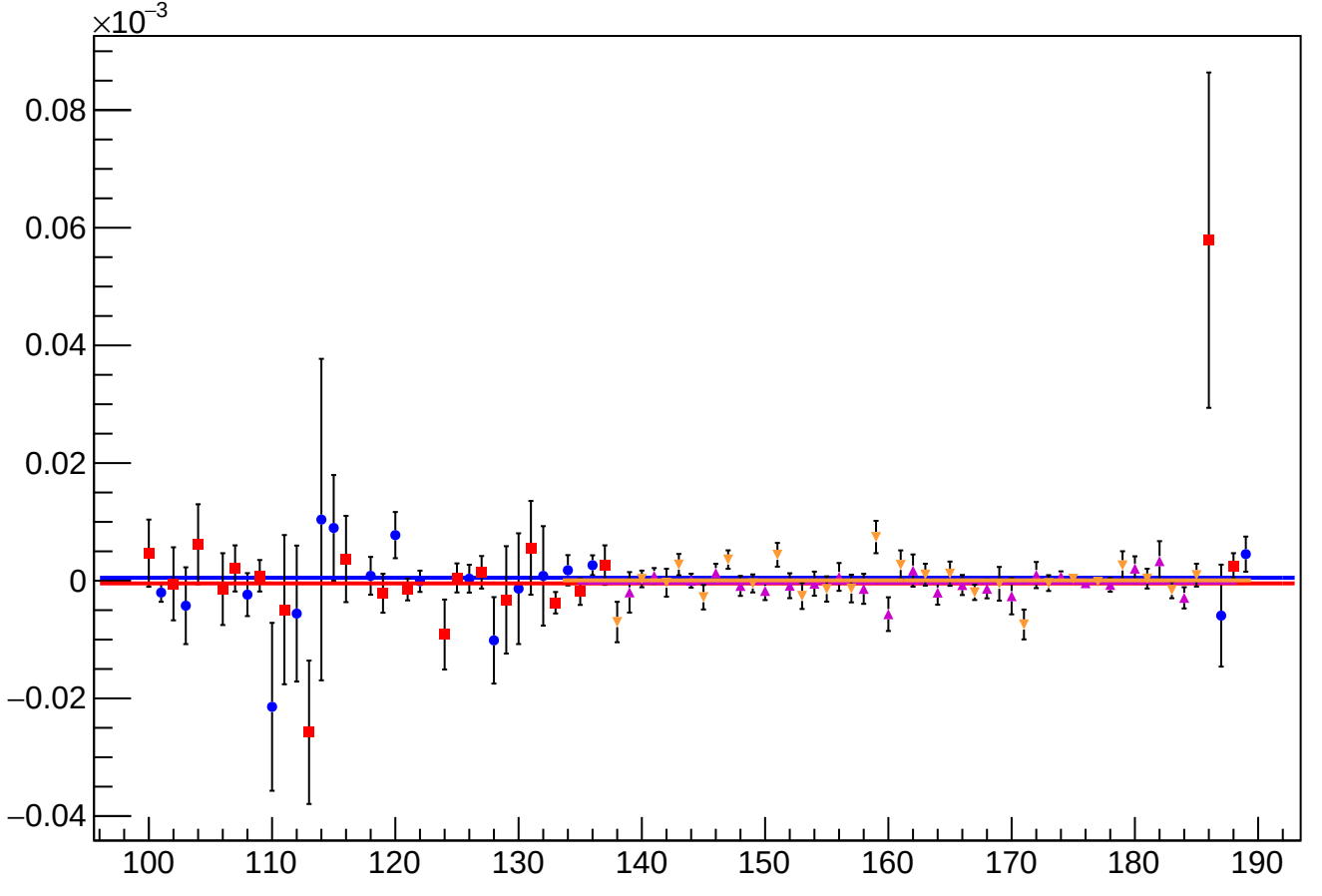
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.320+/-0.006 χ^2/NDF: 5820174.0/38

In: 29.503+/-0.004 χ^2/NDF:4667222.9/40

Out: 30.087+/-0.004 χ^2/NDF:6010455.0/45

All: 29.798+/-0.003 χ^2/NDF: 10686542.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 17.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/20

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

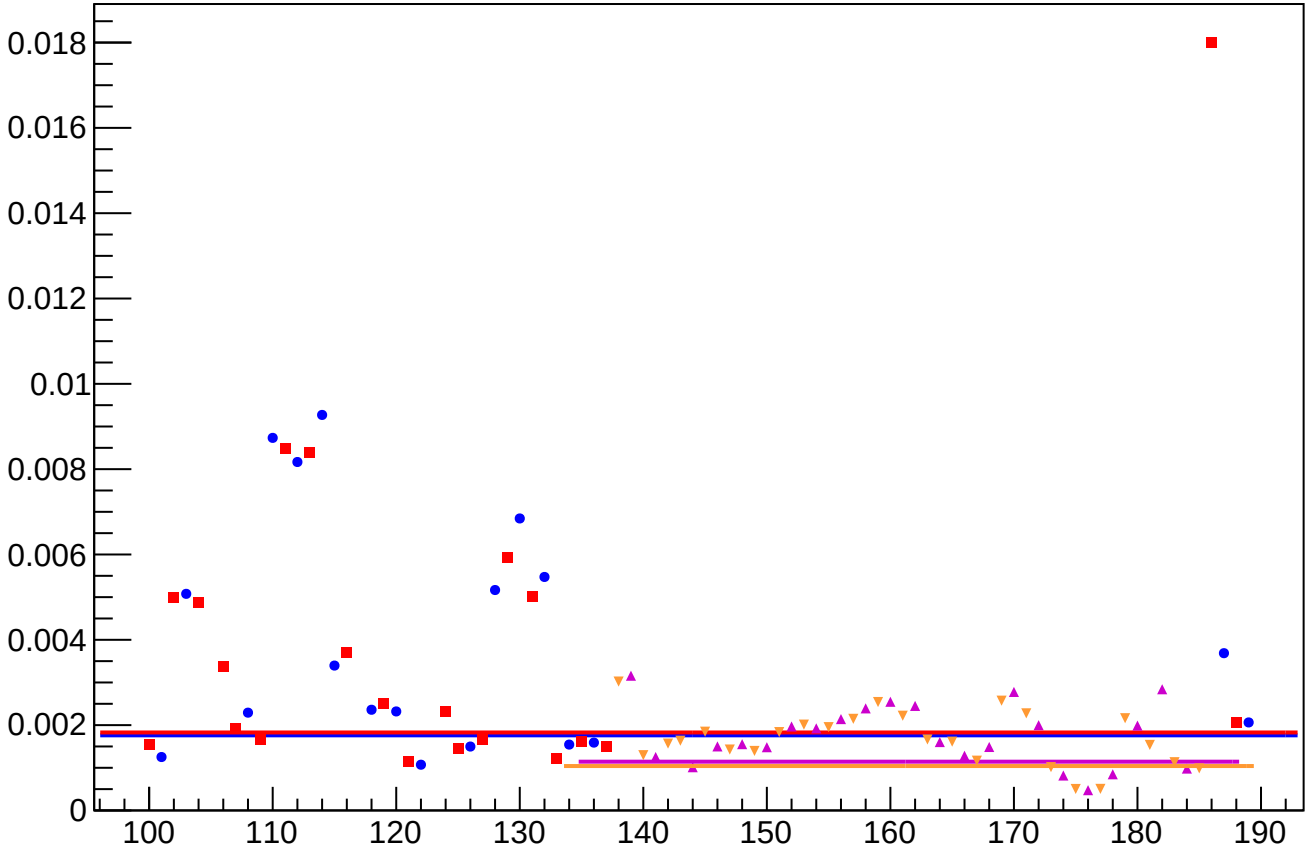
Right: 0.000+/-0.000 χ^2/NDF: 39.9/38

In: -0.000+/-0.000 χ^2/NDF:33.8/40

Out: 0.000+/-0.000 χ^2/NDF:66.0/45

All: -0.000+/-0.000 χ^2/NDF: 100.0/86

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4055656.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4395961.2/20

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

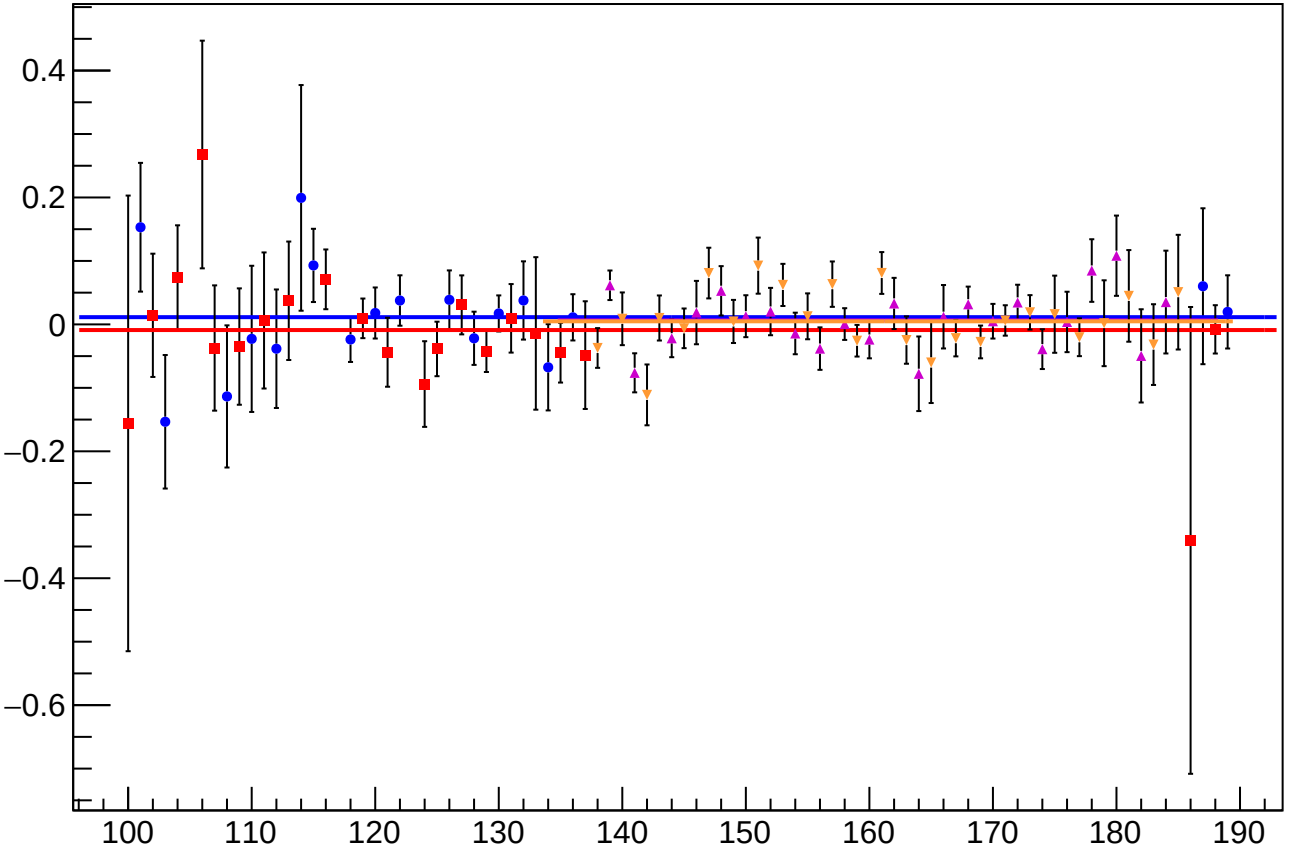
Right: 0.002+/-0.000 χ^2/NDF: 8460040.1/38

In: 0.001+/-0.000 χ^2/NDF:13543867.2/40

Out: 0.001+/-0.000 χ^2/NDF:16251871.8/45

All: 0.001+/-0.000 χ^2/NDF: 29916863.3/86

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/17

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

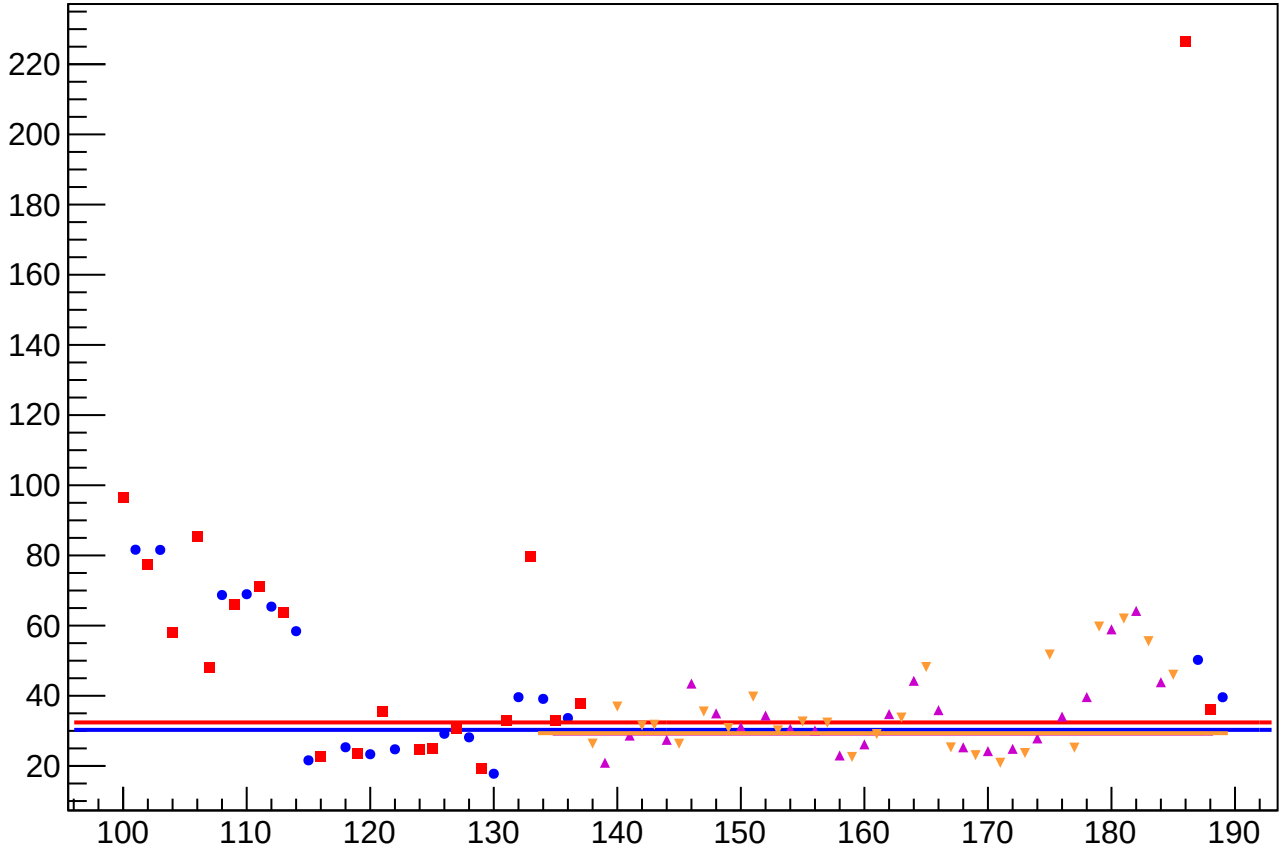
Right: 0.001+/-0.009 χ^2/NDF: 27.9/38

In: 0.008+/-0.006 χ^2/NDF:44.4/40

Out: 0.002+/-0.006 χ^2/NDF:48.1/45

All: 0.005+/-0.004 χ^2/NDF: 93.0/86

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.282+/-0.009 χ^2/NDF: 2558722.2/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.406+/-0.009 χ^2/NDF: 3232350.2/20

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

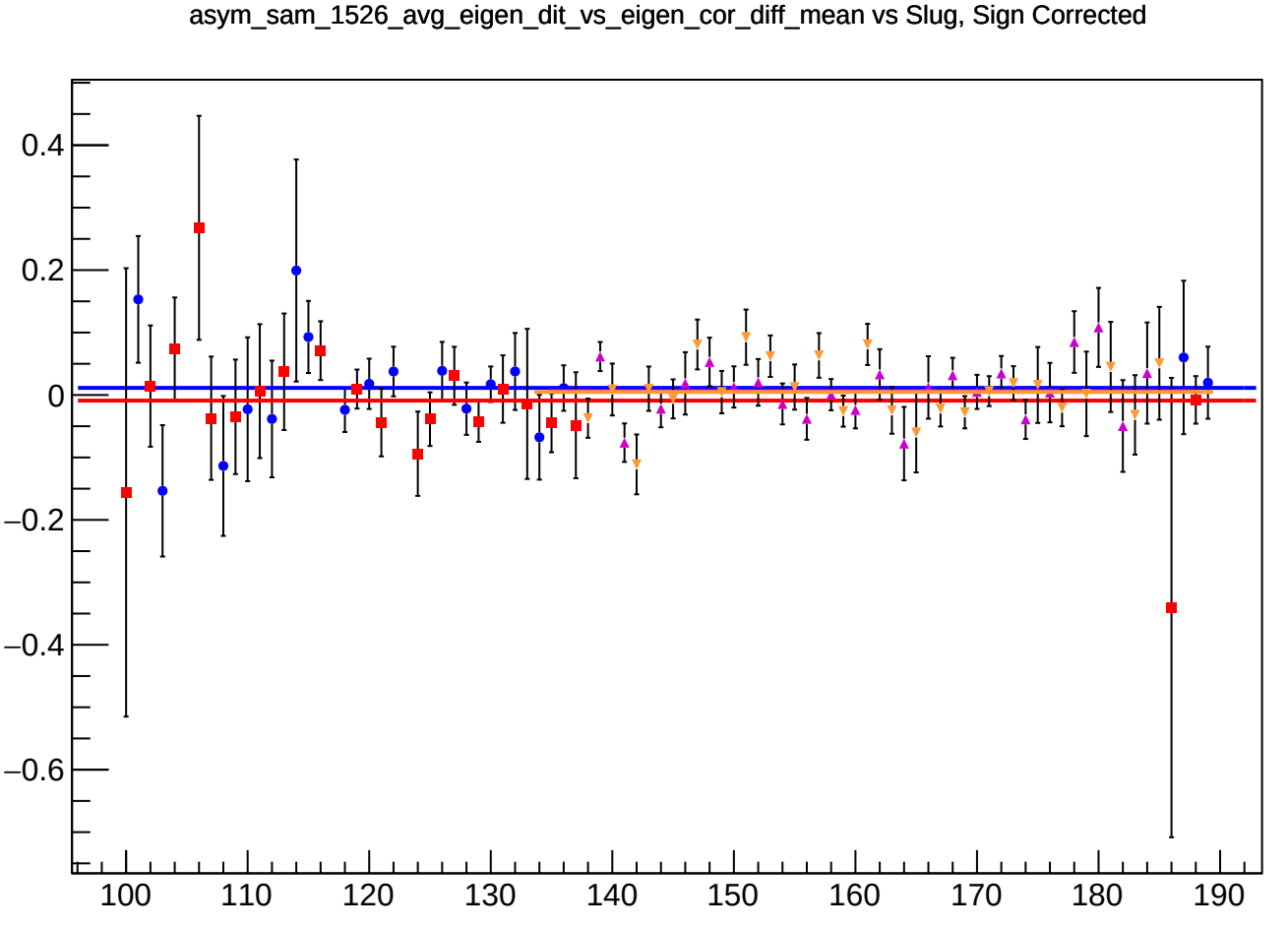
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.319+/-0.006 χ^2/NDF: 5820605.6/38

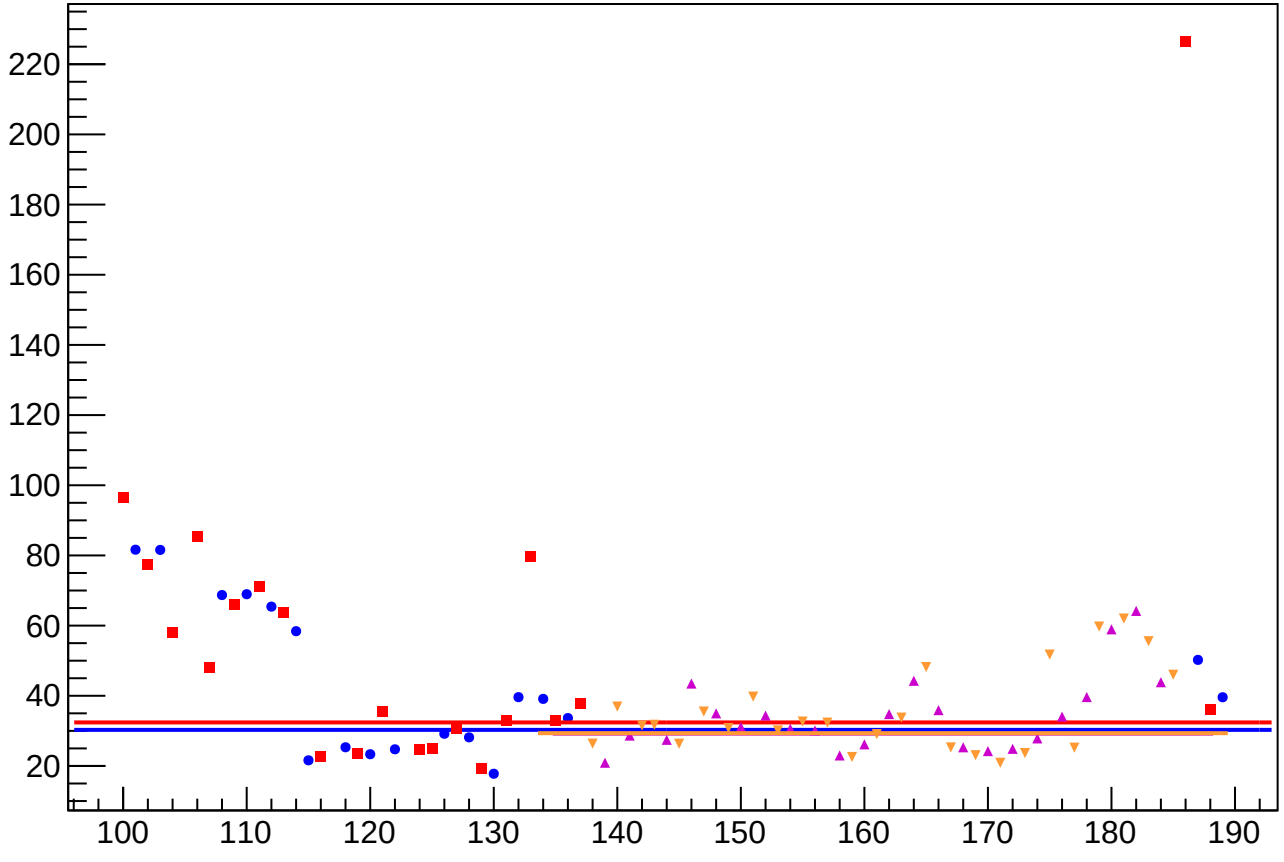
In: 29.503+/-0.004 χ^2/NDF:4667389.2/40

Out: 30.087+/-0.004 χ^2/NDF:6010613.1/45

All: 29.798+/-0.003 χ^2/NDF: 10686863.7/86


asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: 0.011+/-0.012 χ²/NDF: 13.3/17
Left Out: 0.005+/-0.007 χ²/NDF:34.0/24
Right Out: -0.009+/-0.012 χ²/NDF: 13.2/20
Left In: 0.006+/-0.007 χ²/NDF:31.0/22
Left: 0.006+/-0.005 χ²/NDF: 65.0/47
Right: 0.001+/-0.009 χ²/NDF: 27.9/38
In: 0.008+/-0.006 χ²/NDF:44.4/40
Out: 0.002+/-0.006 χ²/NDF:48.1/45
All: 0.005+/-0.004 χ²/NDF: 93.0/86

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.282+/-0.009 χ^2/NDF: 2558722.2/17

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.406+/-0.009 χ^2/NDF: 3232350.2/20

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

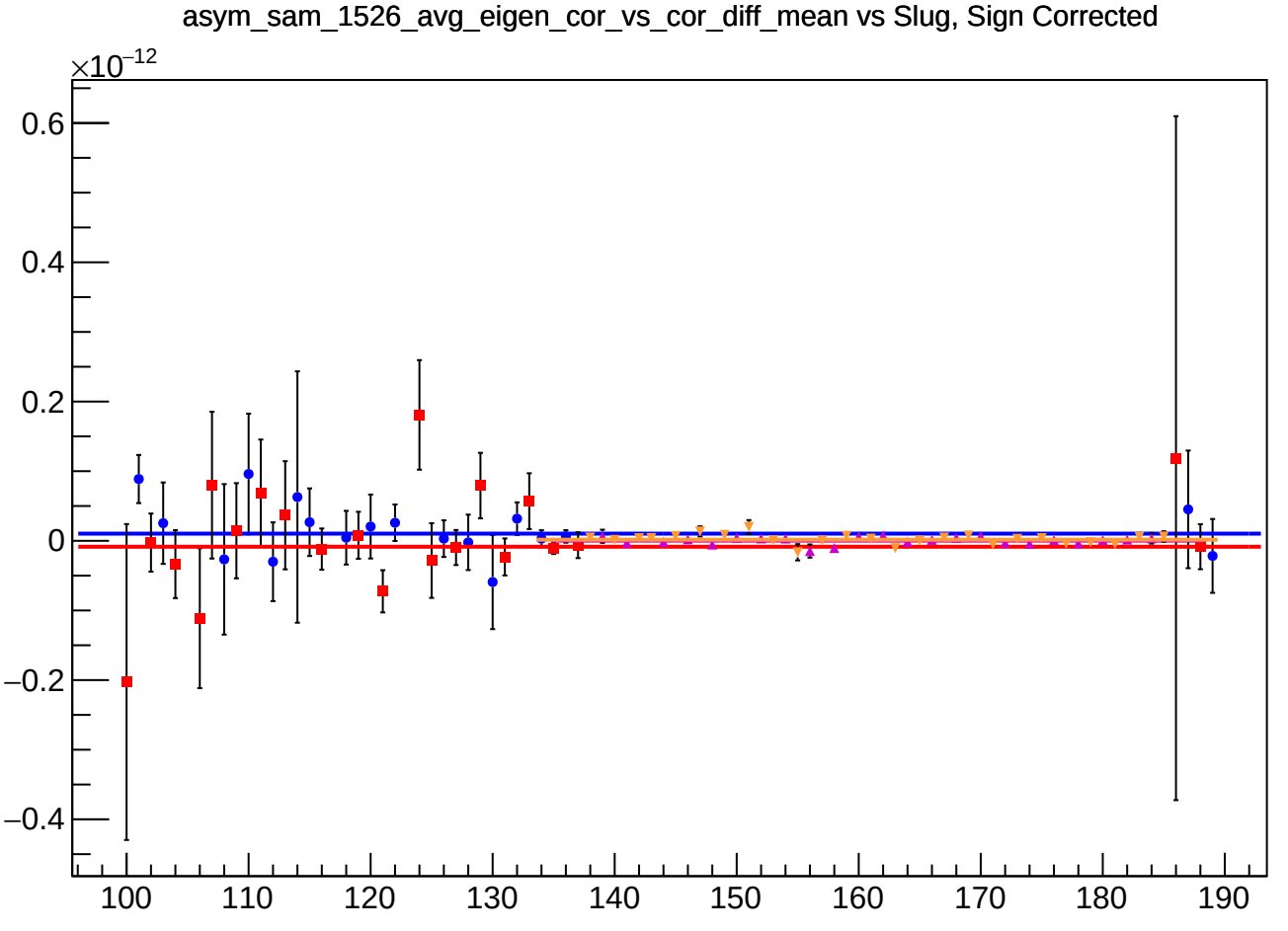
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.319+/-0.006 χ^2/NDF: 5820605.6/38

In: 29.503+/-0.004 χ^2/NDF:4667389.2/40

Out: 30.087+/-0.004 χ^2/NDF:6010613.1/45

All: 29.798+/-0.003 χ^2/NDF: 10686863.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 10.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

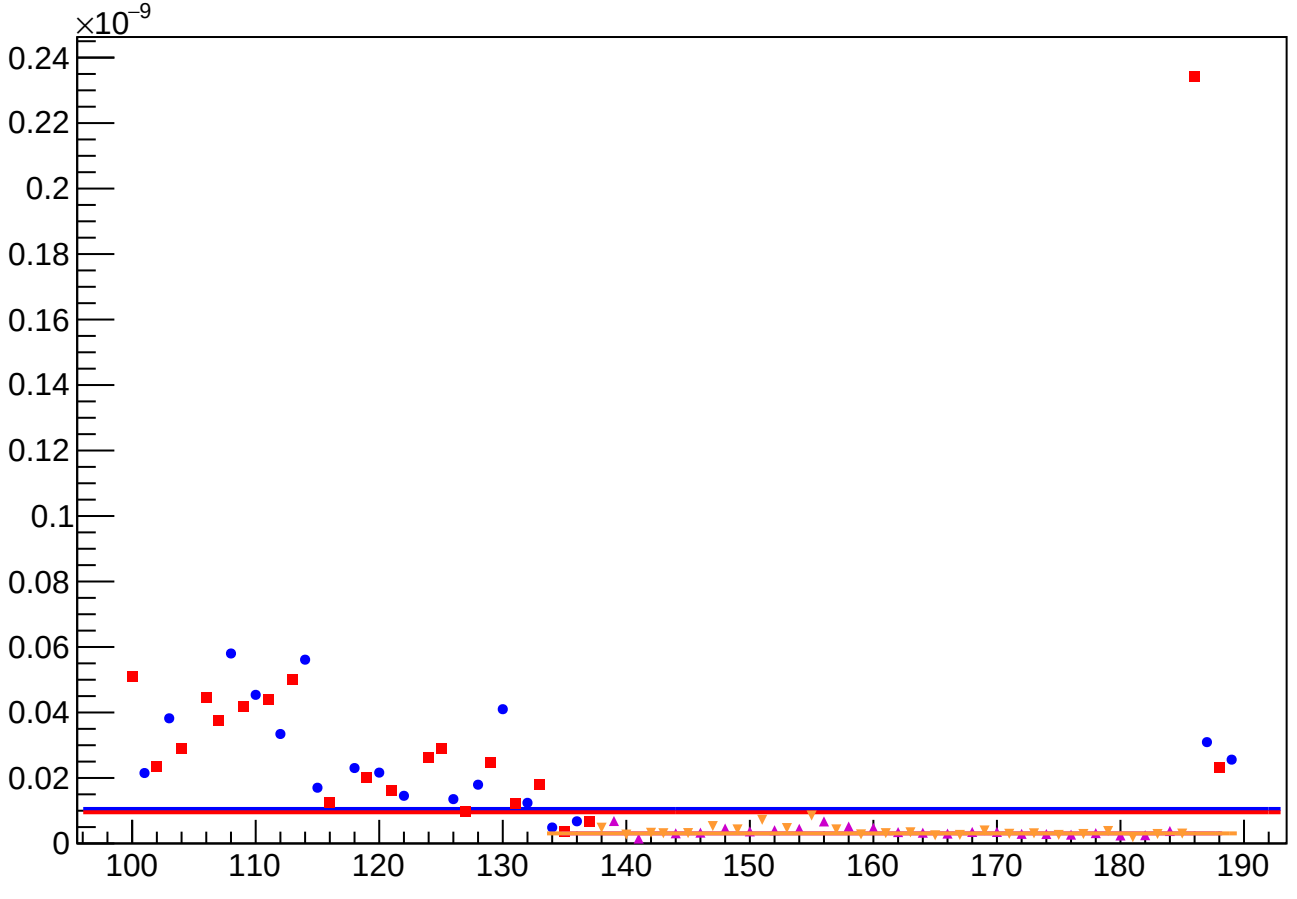
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

Right: 0.000+/-0.000 χ^2/NDF: 37.2/38

In: 0.000+/-0.000 χ^2/NDF:32.0/40

Out: 0.000+/-0.000 χ^2/NDF:59.4/45

All: 0.000+/-0.000 χ^2/NDF: 91.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 3794696.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5295883.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

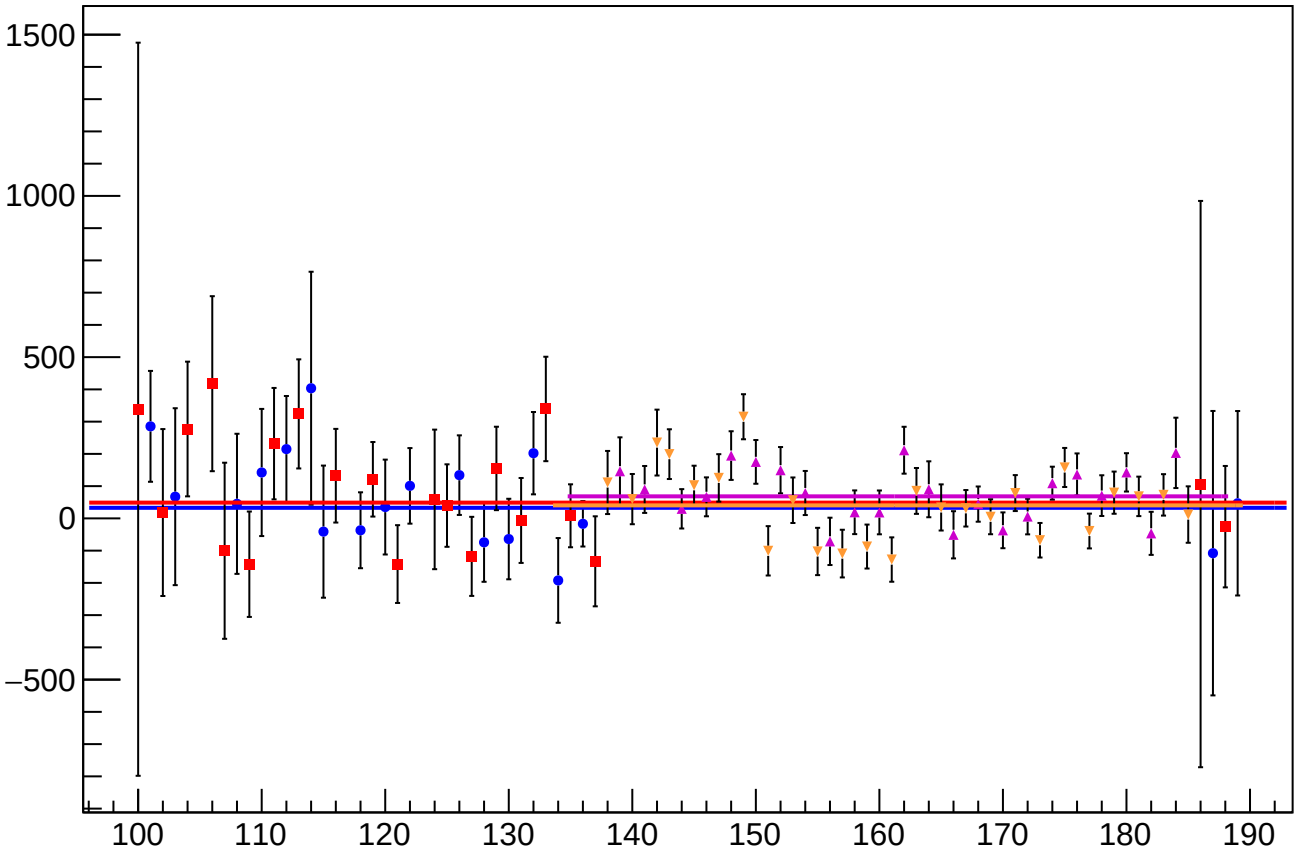
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9119963.6/38

In: 0.000+/-0.000 χ^2/NDF:9011312.5/40

Out: 0.000+/-0.000 χ^2/NDF:9711913.0/45

All: 0.000+/-0.000 χ^2/NDF: 18724398.6/86



Right In: 32.798+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 48.871+/-34.243 χ^2/NDF: 19.7/20

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

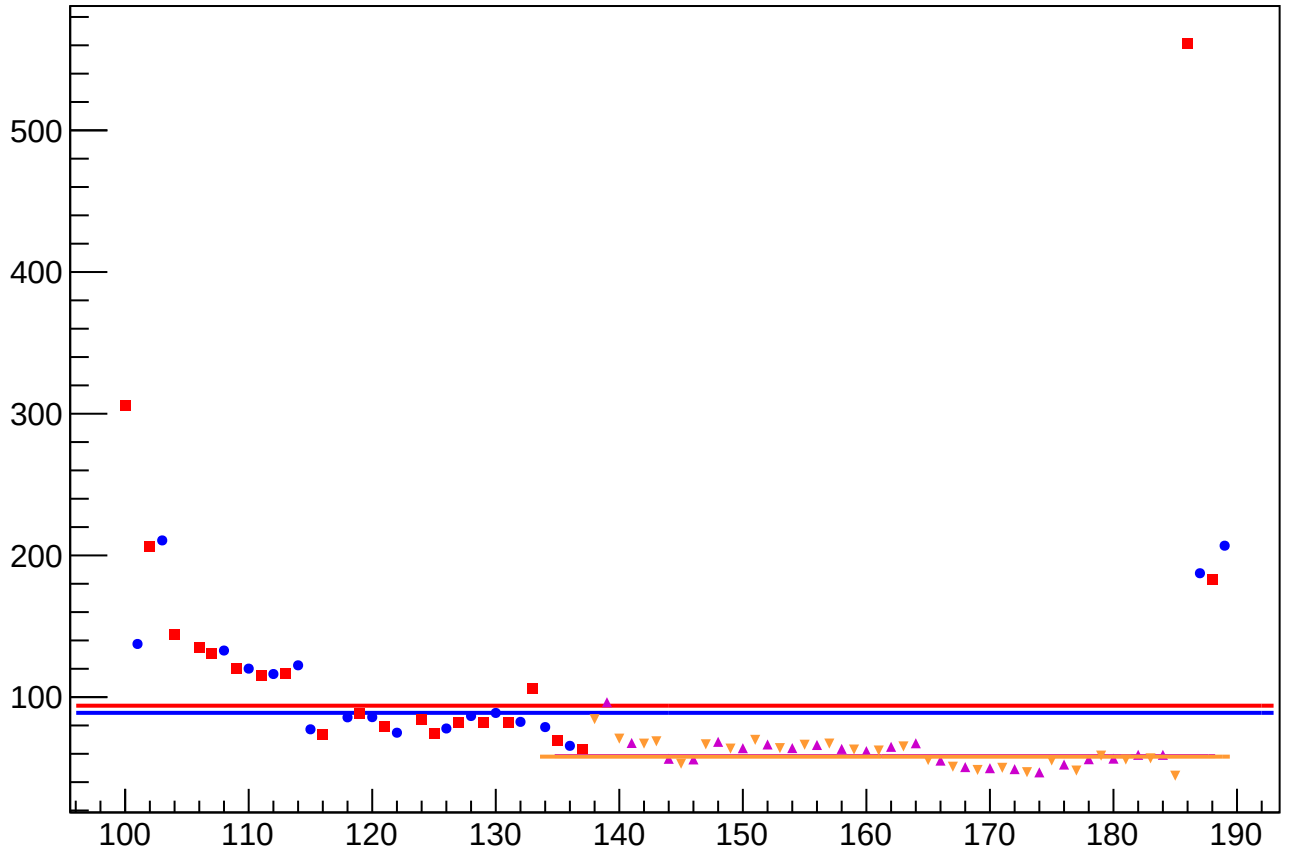
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 40.670+/-23.964 χ^2/NDF: 32.8/38

In: 63.158+/-12.815 χ^2/NDF:45.6/40

Out: 41.475+/-12.480 χ^2/NDF:79.2/45

All: 52.030+/-8.941 χ^2/NDF: 126.3/86



Right In: 88.903+/-0.024 χ^2/NDF: 1487617.3/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 93.950+/-0.024 χ^2/NDF: 2190429.5/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

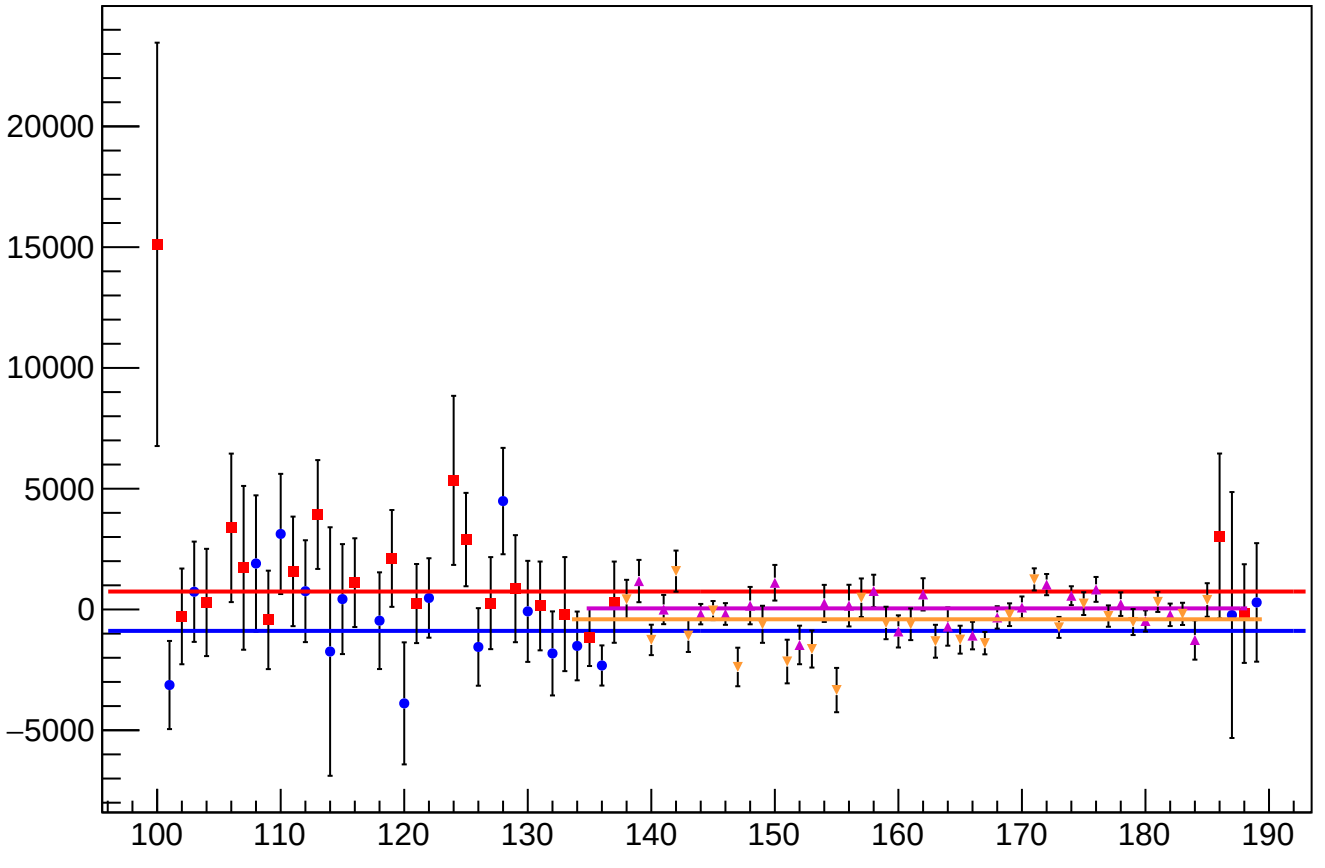
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 91.375+/-0.017 χ^2/NDF: 3700213.5/38

In: 62.848+/-0.009 χ^2/NDF:3635313.4/40

Out: 62.771+/-0.009 χ^2/NDF:4910124.0/45

All: 62.809+/-0.006 χ^2/NDF: 8545474.1/86



Right In: -886.841+/-432.377 χ^2/NDF: 18.8/17

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 742.455+/-452.073 χ^2/NDF: 13.7/20

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

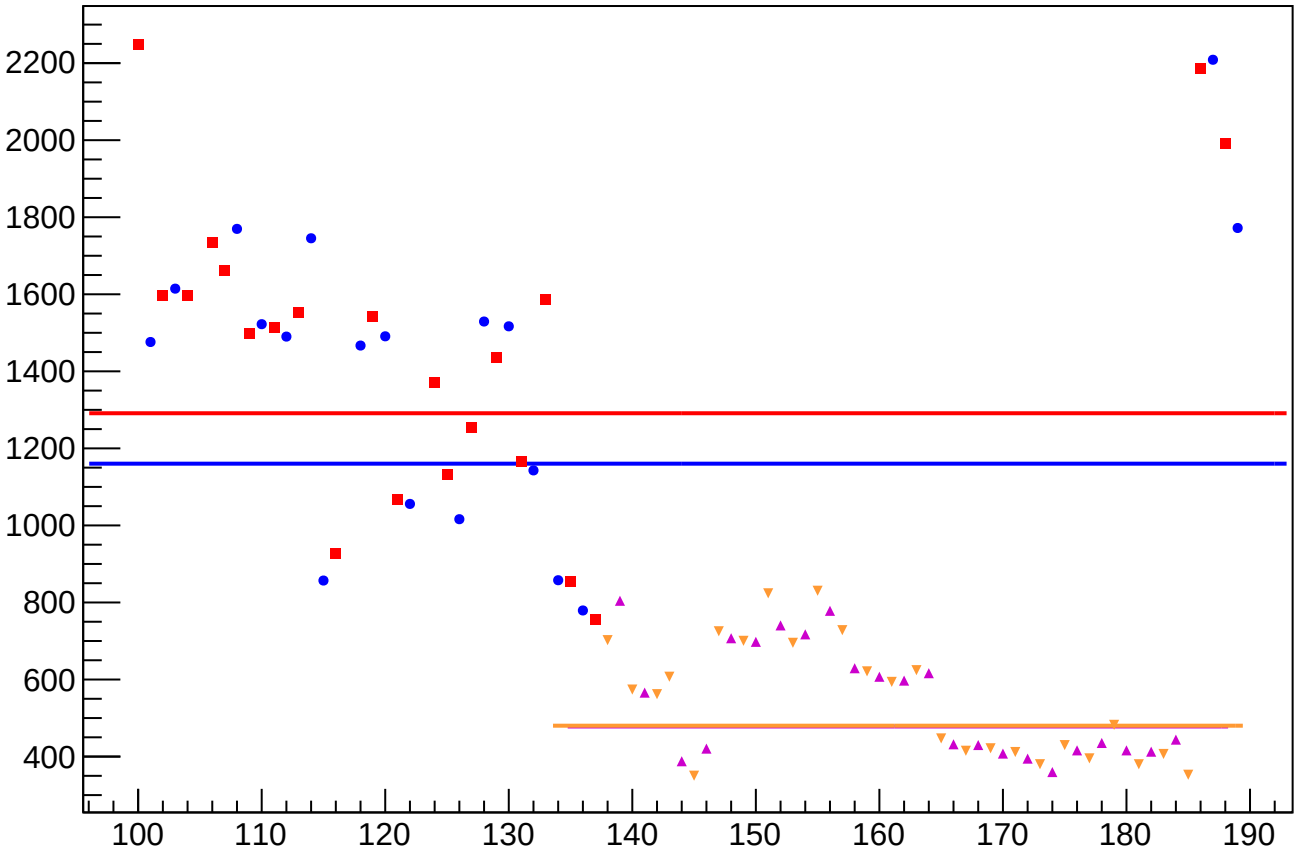
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

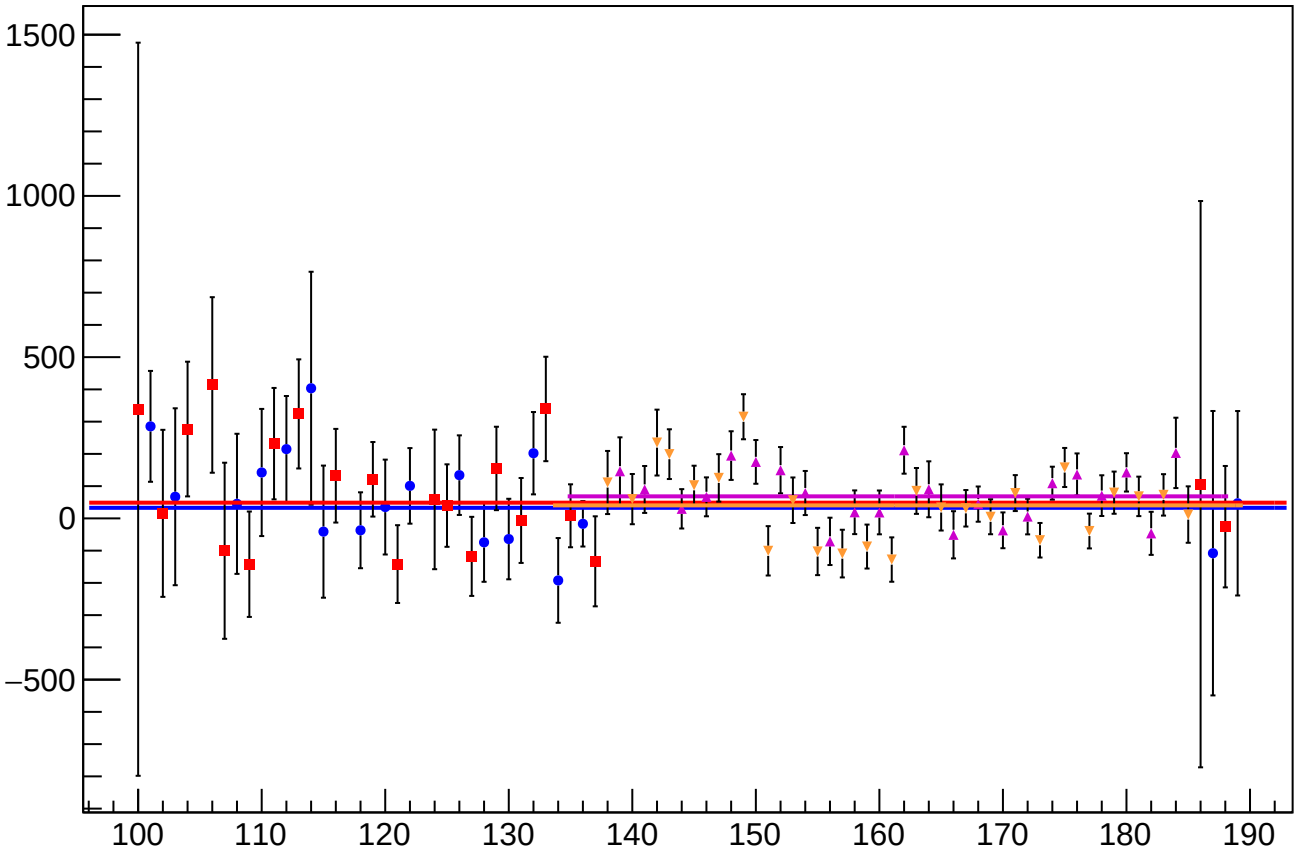
Right: -108.458+/-312.467 χ^2/NDF: 39.2/38

In: -17.489+/-111.826 χ^2/NDF:54.2/40

Out: -338.240+/-110.054 χ^2/NDF:82.9/45

All: -180.426+/-78.439 χ^2/NDF: 141.3/86


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
180
190
Right In: 1160.300+/-0.306 χ²/NDF: 1341126.0/17
Left Out: 480.162+/-0.080 χ²/NDF:2582213.9/24
Right Out: 1291.201+/-0.320 χ²/NDF: 1294753.1/20
Left In: 478.084+/-0.082 χ²/NDF:2215520.4/22
Left: 479.144+/-0.057 χ²/NDF: 4798063.1/47
Right: 1222.837+/-0.221 χ²/NDF: 2723454.3/38
In: 523.717+/-0.079 χ²/NDF:8202686.5/40
Out: 528.228+/-0.078 χ²/NDF:9932667.2/45
All: 526.008+/-0.055 χ²/NDF: 18137006.6/86



Right In: 32.790+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 48.727+/-34.245 χ^2/NDF: 19.7/20

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

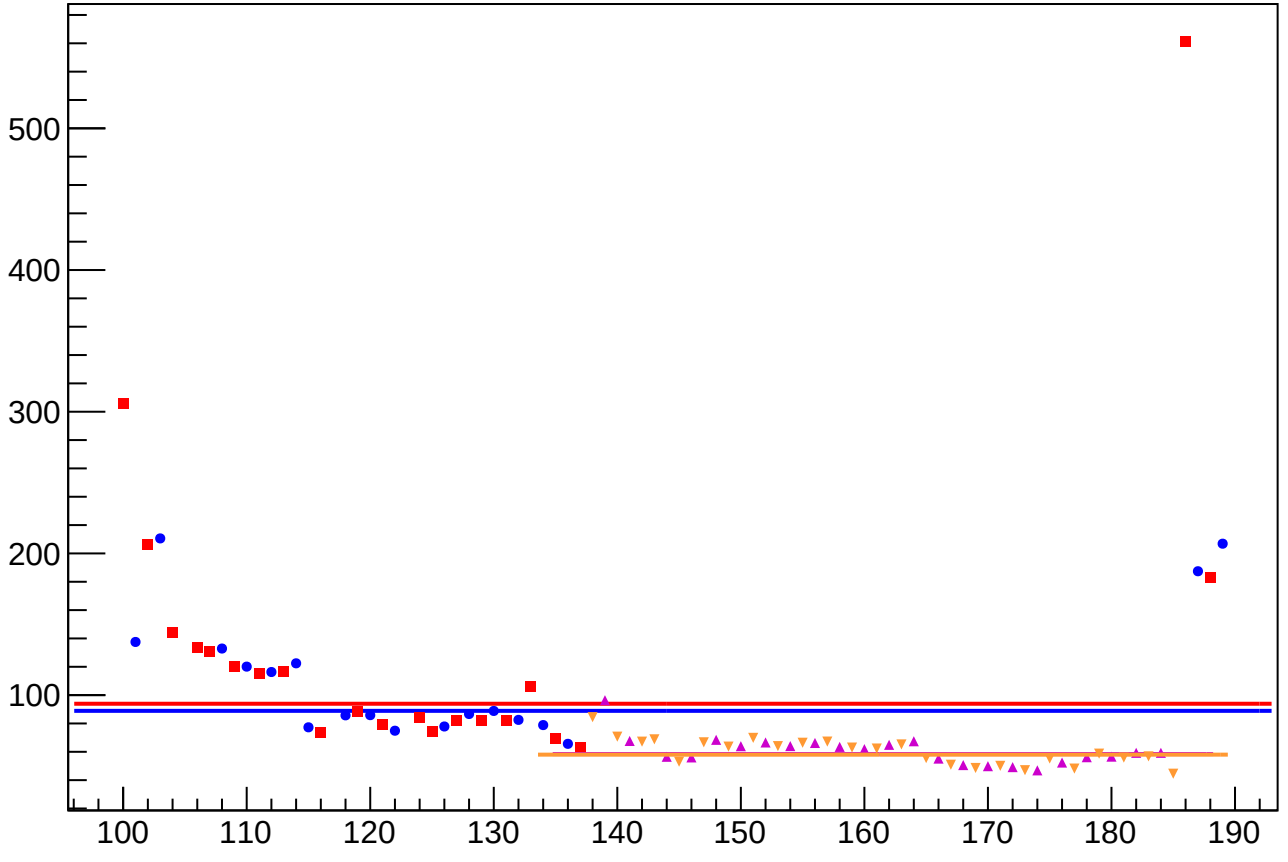
Right: 40.595+/-23.965 χ^2/NDF: 32.7/38

In: 63.156+/-12.815 χ^2/NDF:45.6/40

Out: 41.458+/-12.480 χ^2/NDF:79.1/45

All: 52.020+/-8.941 χ^2/NDF: 126.2/86

cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 88.903+/-0.024 χ^2/NDF: 1487620.1/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 93.915+/-0.024 χ^2/NDF: 2186196.6/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

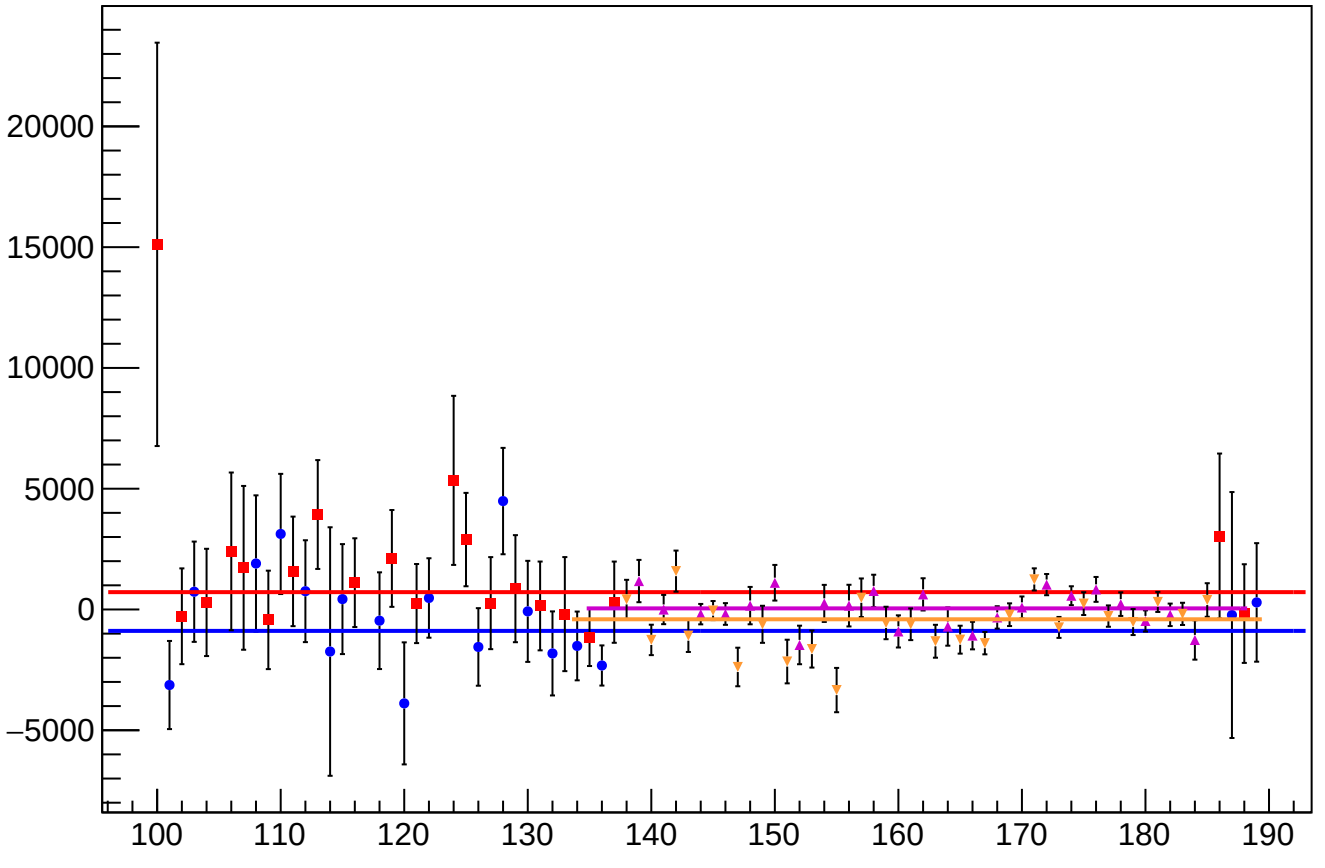
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 91.357+/-0.017 χ^2/NDF: 3695672.8/38

In: 62.848+/-0.009 χ^2/NDF:3635315.7/40

Out: 62.766+/-0.009 χ^2/NDF:4901937.6/45

All: 62.806+/-0.006 χ^2/NDF: 8537295.0/86



Right In: -886.809+/-432.378 χ^2/NDF: 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 717.614+/-452.648 χ^2/NDF: 13.2/20

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

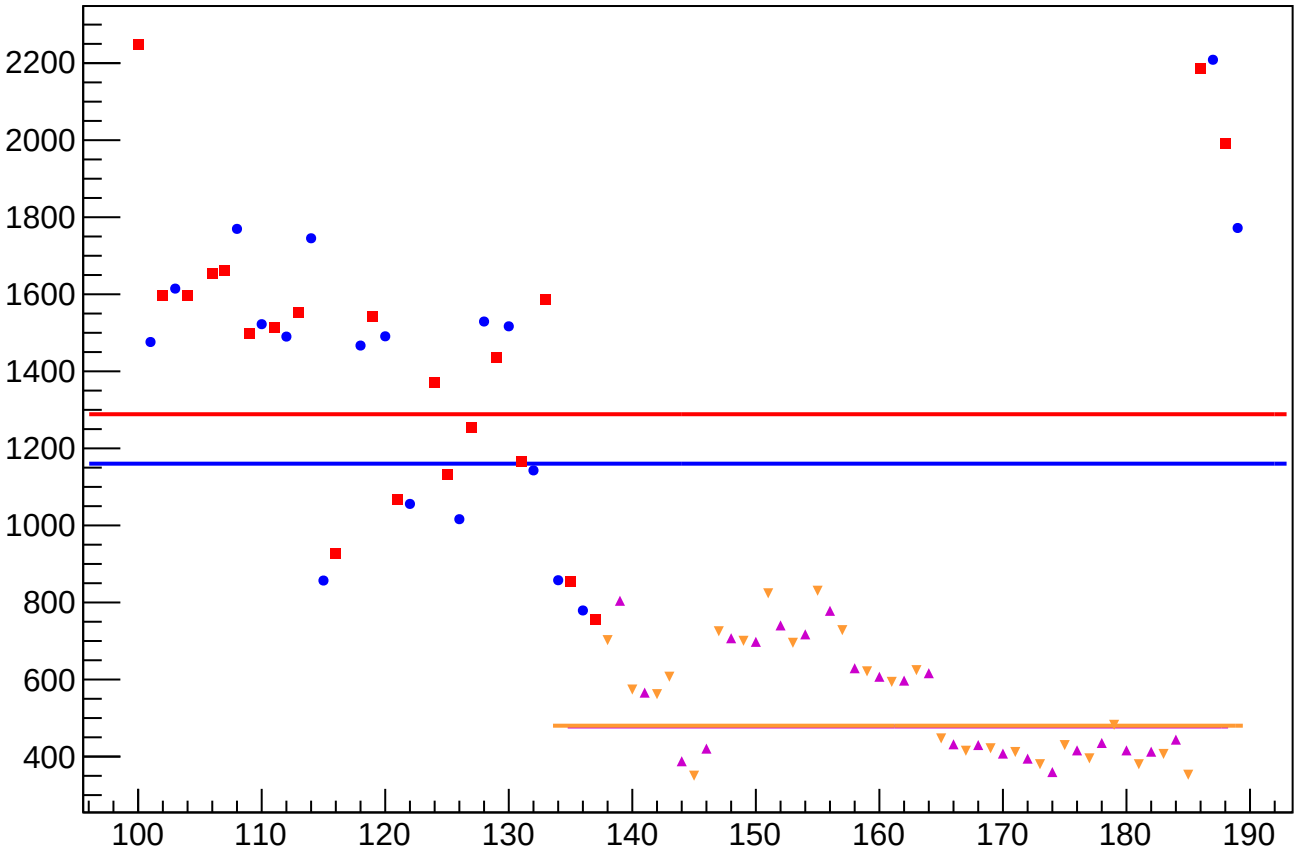
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -121.324+/-312.658 χ^2/NDF: 38.5/38

In: -17.487+/-111.826 χ^2/NDF:54.2/40

Out: -339.870+/-110.062 χ^2/NDF:82.2/45

All: -181.241+/-78.442 χ^2/NDF: 140.6/86



Right In: 1160.302+/-0.306 χ^2/NDF: 1341161.7/17

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1288.647+/-0.320 χ^2/NDF: 1278466.1/20

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

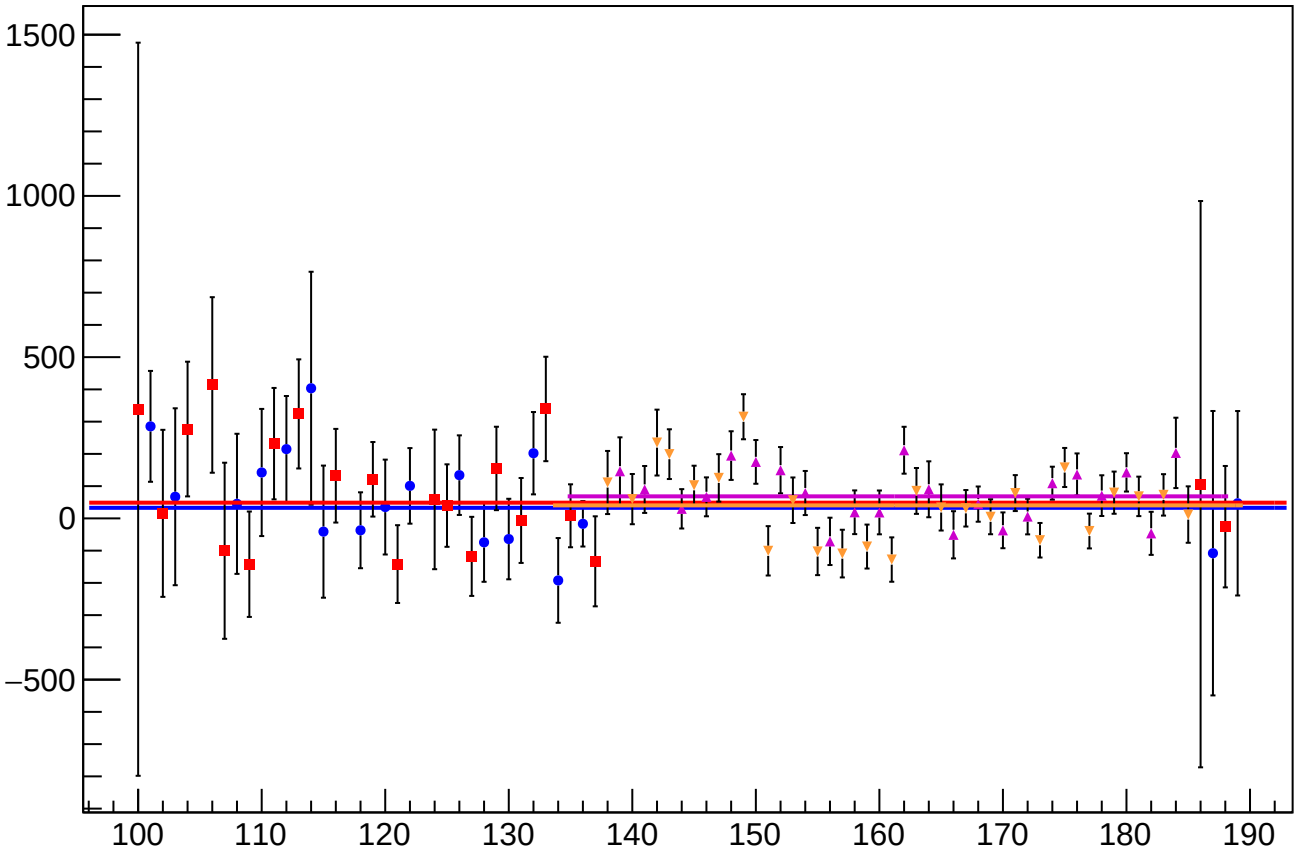
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1221.536+/-0.221 χ^2/NDF: 2703705.6/38

In: 523.717+/-0.079 χ^2/NDF:8202713.8/40

Out: 527.962+/-0.078 χ^2/NDF:9863927.5/45

All: 525.873+/-0.055 χ^2/NDF: 18068105.0/86



Right In: 32.790+/-33.548 χ^2/NDF: 12.9/17

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 48.727+/-34.245 χ^2/NDF: 19.7/20

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

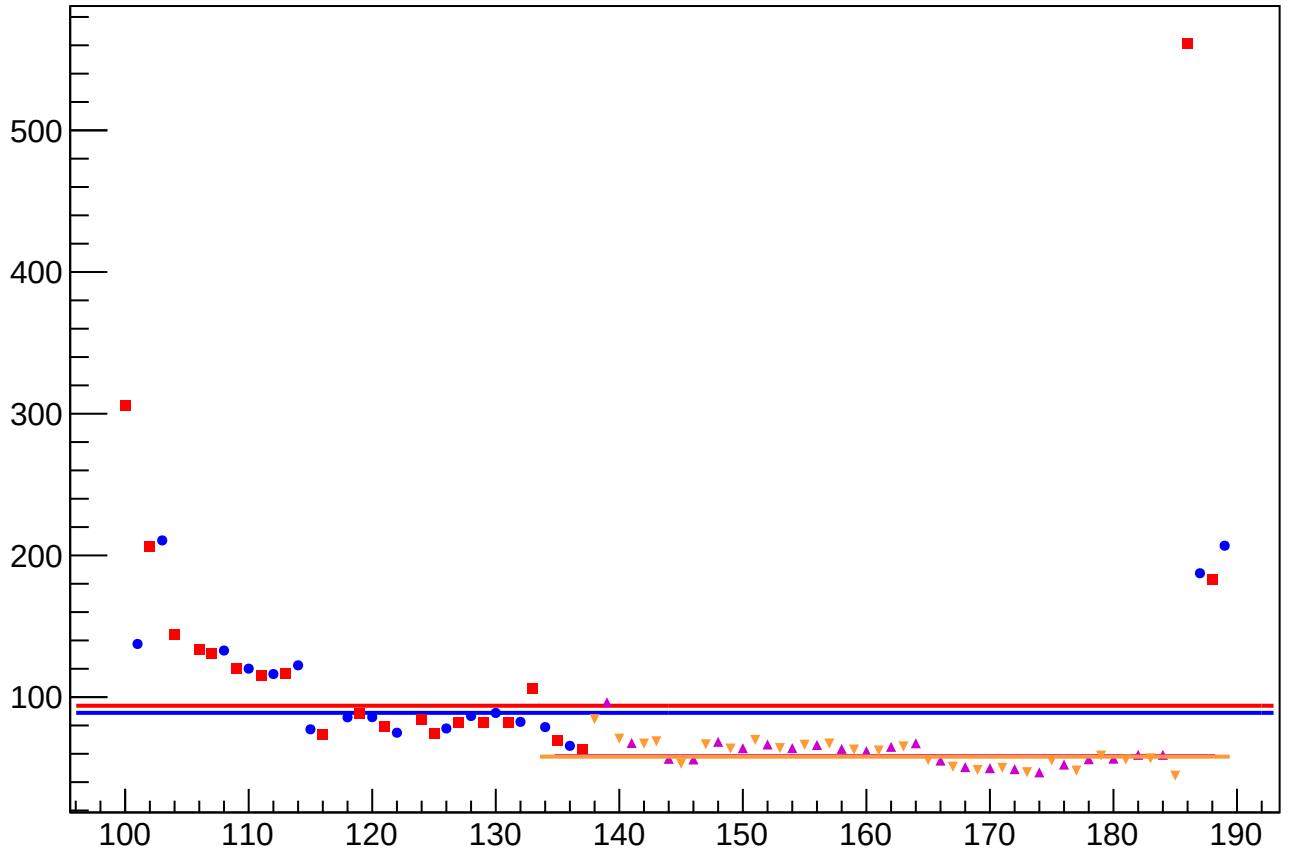
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 40.595+/-23.965 χ^2/NDF: 32.7/38

In: 63.156+/-12.815 χ^2/NDF:45.6/40

Out: 41.458+/-12.480 χ^2/NDF:79.1/45

All: 52.020+/-8.941 χ^2/NDF: 126.2/86



Right In: 88.903+/-0.024 χ^2/NDF: 1487620.1/17

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 93.915+/-0.024 χ^2/NDF: 2186196.6/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

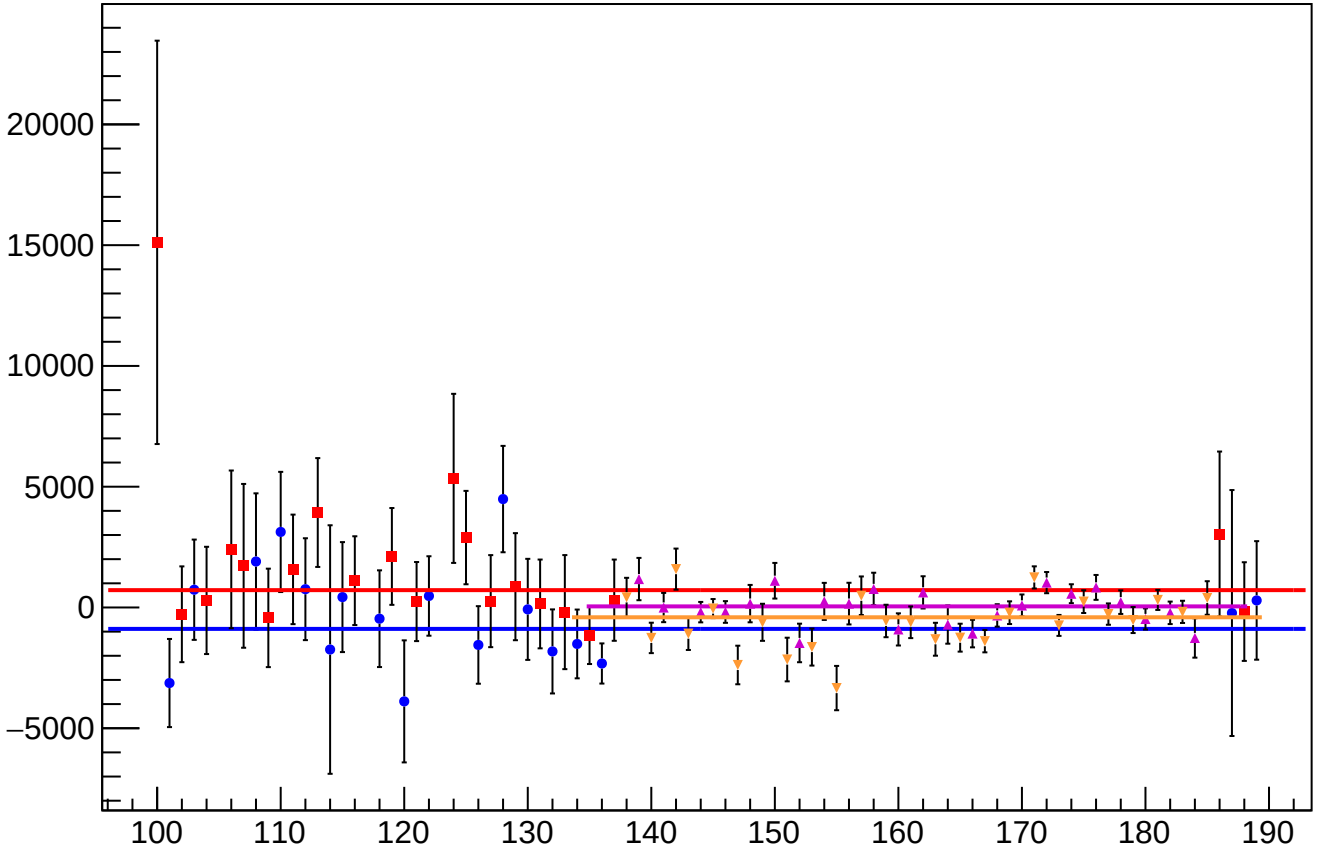
Right: 91.357+/-0.017 χ^2/NDF: 3695672.8/38

In: 62.848+/-0.009 χ^2/NDF:3635315.7/40

Out: 62.766+/-0.009 χ^2/NDF:4901937.6/45

All: 62.806+/-0.006 χ^2/NDF: 8537295.0/86

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -886.809+/-432.378 χ^2/NDF: 18.8/17

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 717.614+/-452.648 χ^2/NDF: 13.2/20

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

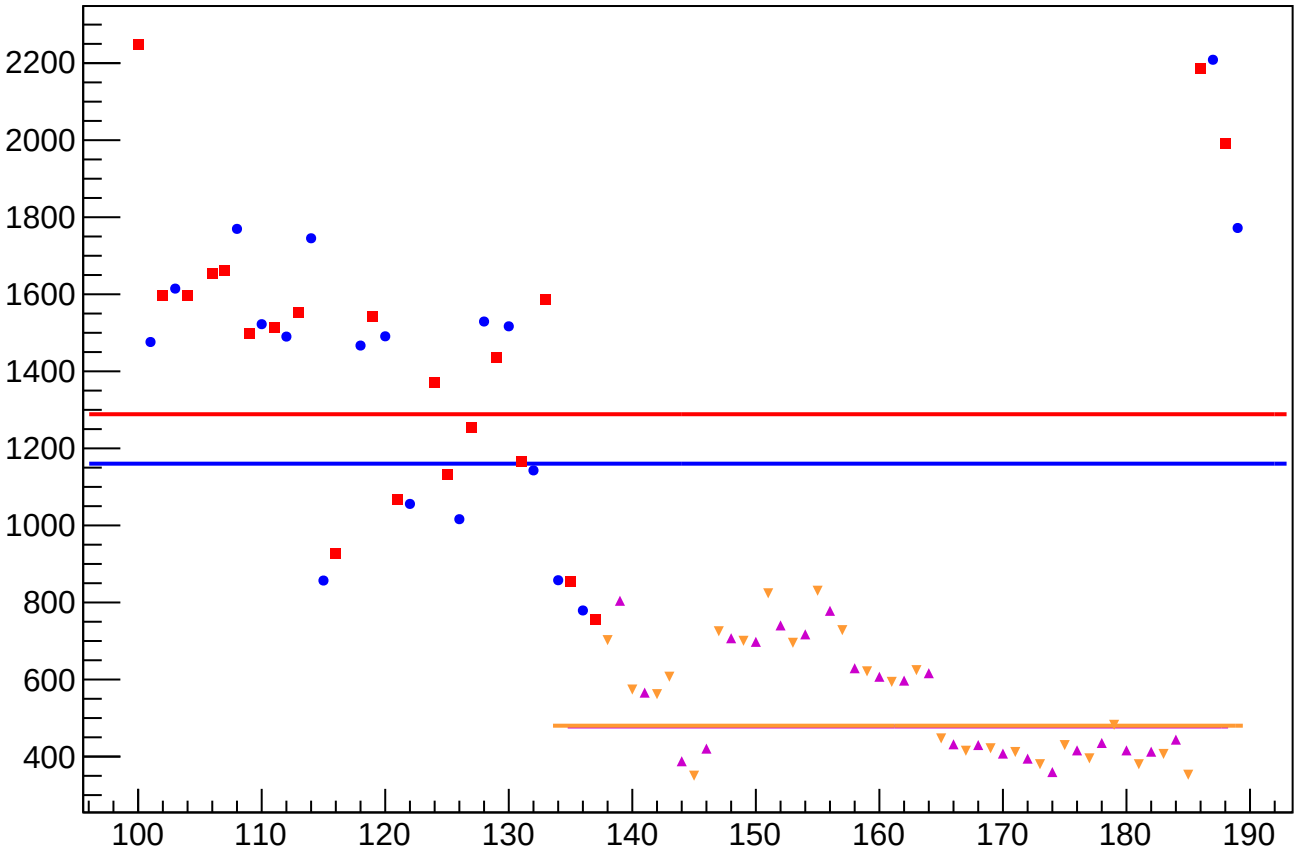
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -121.324+/-312.658 χ^2/NDF: 38.5/38

In: -17.487+/-111.826 χ^2/NDF:54.2/40

Out: -339.870+/-110.062 χ^2/NDF:82.2/45

All: -181.241+/-78.442 χ^2/NDF: 140.6/86



Right In: 1160.302+/-0.306 χ^2/NDF: 1341161.7/17

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1288.647+/-0.320 χ^2/NDF: 1278466.1/20

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

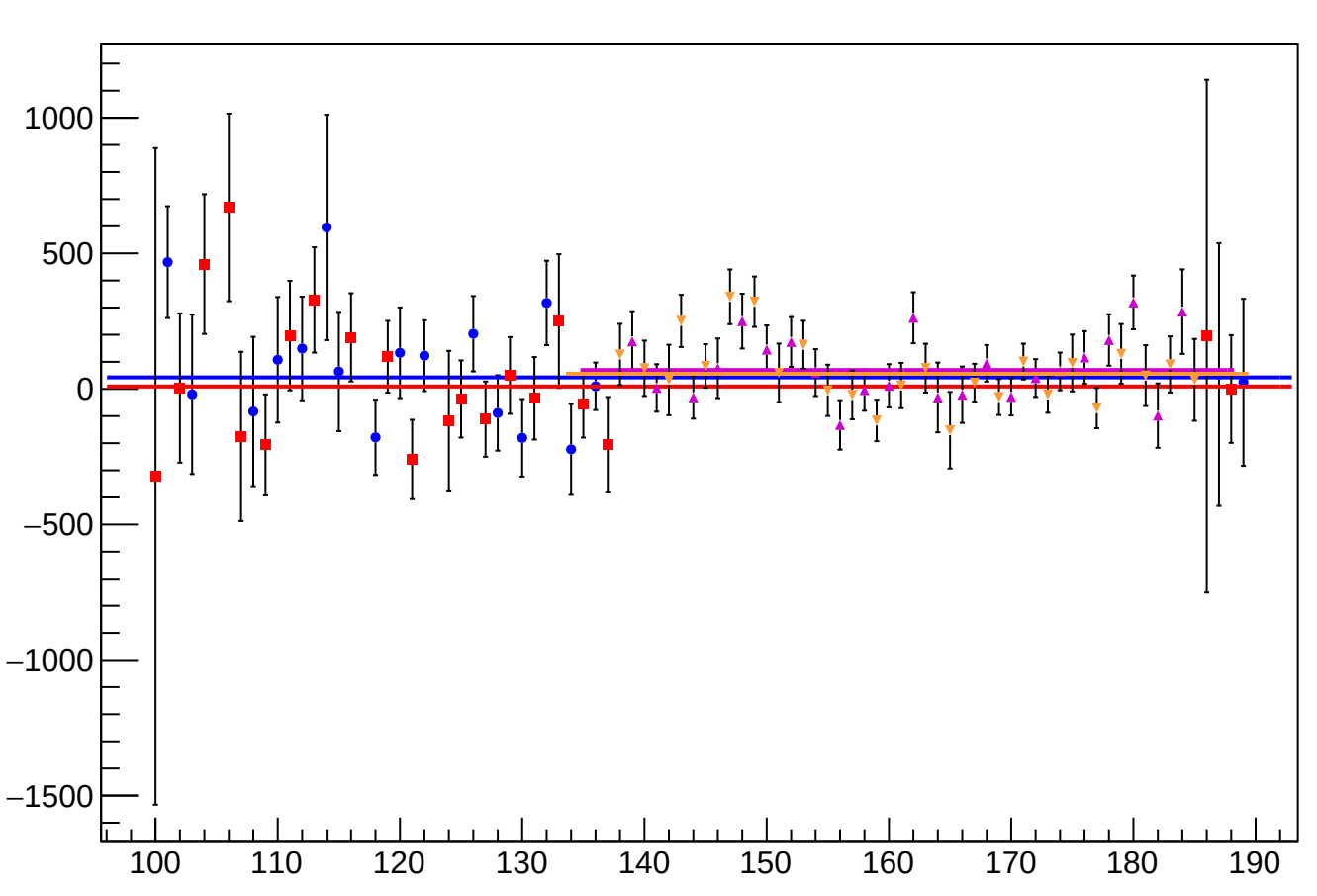
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1221.536+/-0.221 χ^2/NDF: 2703705.6/38

In: 523.717+/-0.079 χ^2/NDF:8202713.8/40

Out: 527.962+/-0.078 χ^2/NDF:9863927.5/45

All: 525.873+/-0.055 χ^2/NDF: 18068105.0/86



Right In: 42.677+/-39.484 χ^2/NDF: 20.3/17

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 8.952+/-40.173 χ^2/NDF: 21.4/20

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

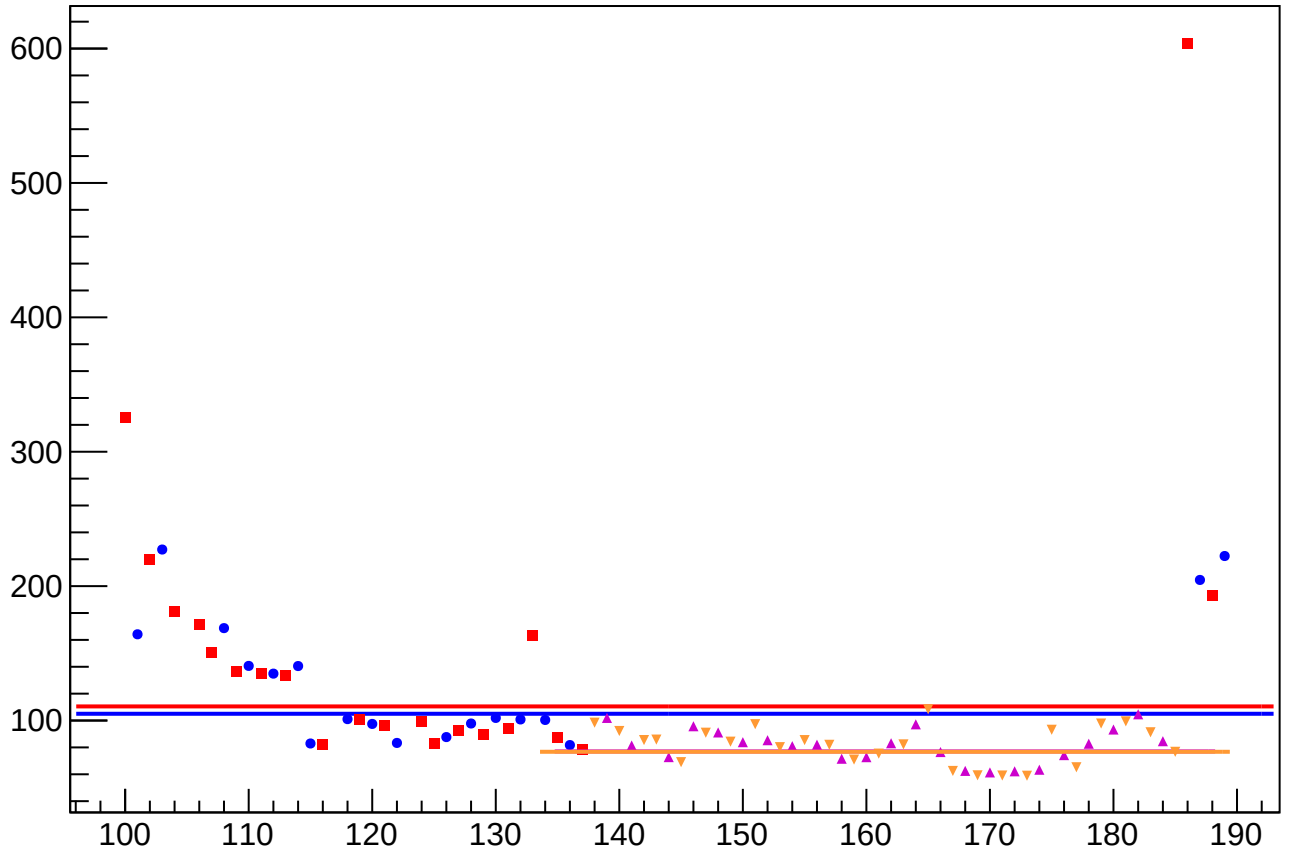
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.106+/-28.160 χ^2/NDF: 42.1/38

In: 64.955+/-16.750 χ^2/NDF:55.2/40

Out: 48.128+/-16.388 χ^2/NDF:60.8/45

All: 56.358+/-11.714 χ^2/NDF: 116.6/86



Right In: 105.029+/-0.028 χ^2/NDF: 1365927.0/17

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 110.500+/-0.028 χ^2/NDF: 2106494.2/20

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

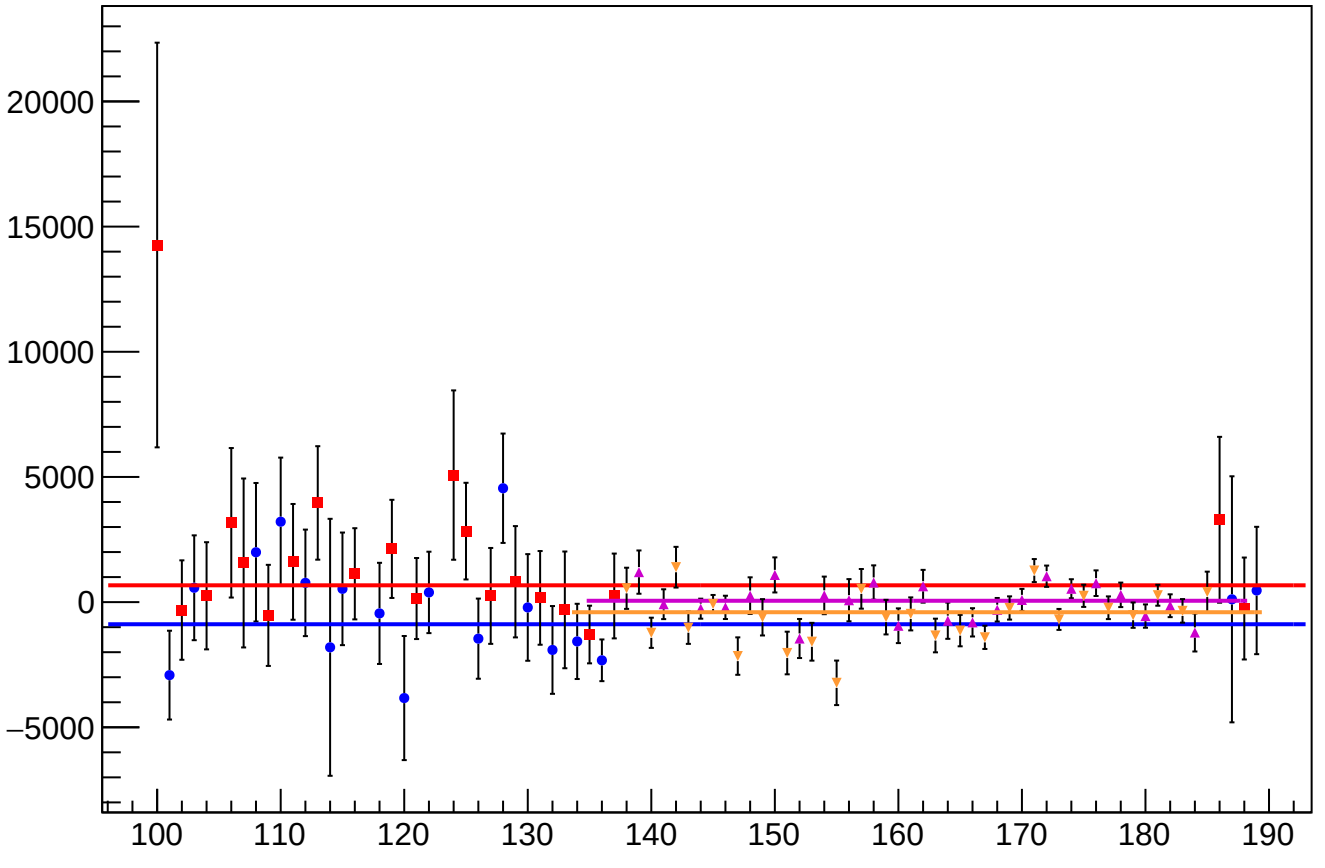
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 107.717+/-0.020 χ^2/NDF: 3491289.5/38

In: 82.059+/-0.012 χ^2/NDF:3050207.2/40

Out: 82.361+/-0.012 χ^2/NDF:4518233.6/45

All: 82.213+/-0.008 χ^2/NDF: 7568773.5/86



Right In: -883.466+/-434.459 χ^2/NDF: 18.8/17

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 671.738+/-447.528 χ^2/NDF: 14.3/20

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

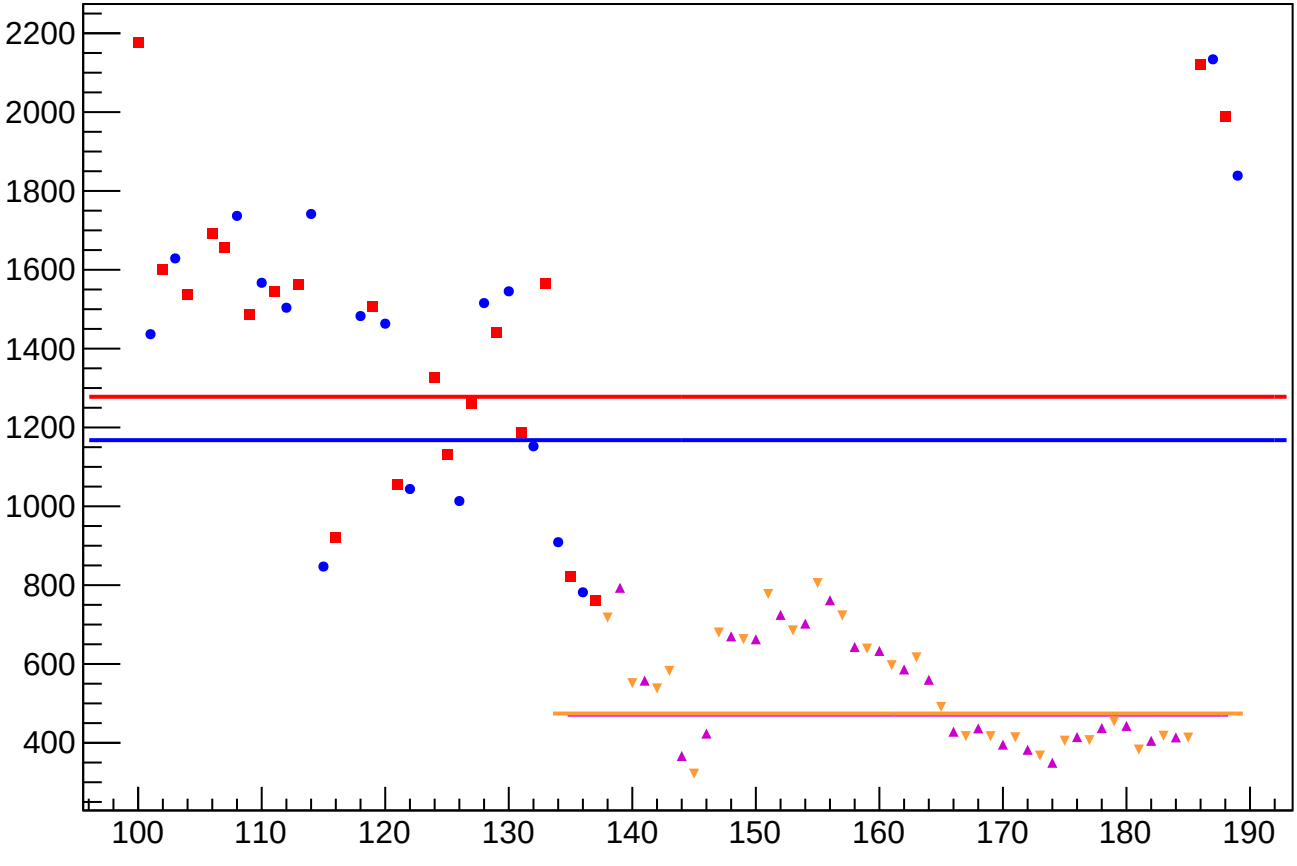
Right: -128.903+/-311.727 χ^2/NDF: 39.3/38

In: -6.430+/-110.469 χ^2/NDF:53.8/40

Out: -340.249+/-108.442 χ^2/NDF:80.5/45

All: -176.430+/-77.387 χ^2/NDF: 139.0/86

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1167.824+/-0.307 χ^2/NDF: 1317952.9/17

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1277.883+/-0.316 χ^2/NDF: 1321669.0/20

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

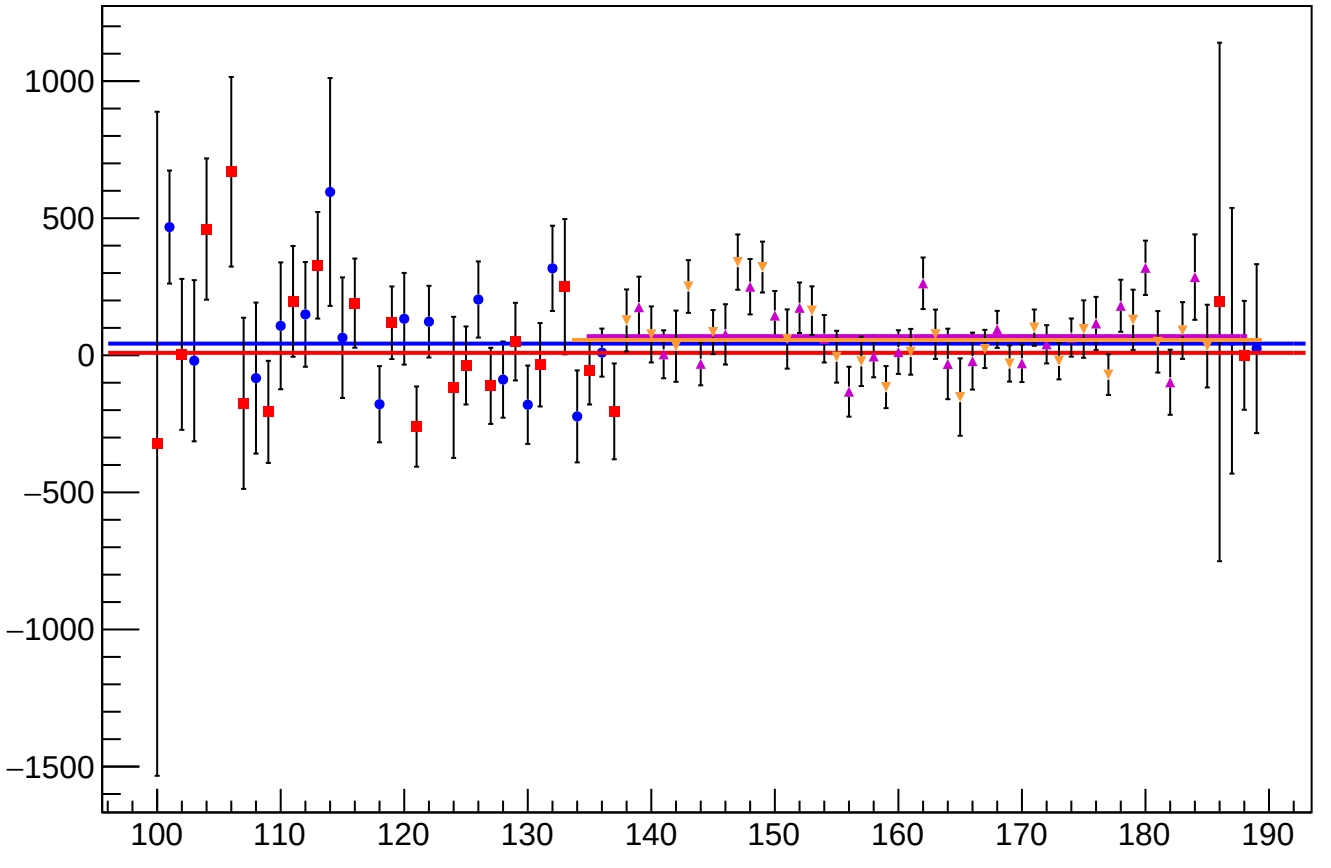
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1221.223+/-0.220 χ^2/NDF: 2701893.9/38

In: 516.478+/-0.078 χ^2/NDF:8333282.8/40

Out: 521.477+/-0.077 χ^2/NDF:9930519.0/45

All: 519.024+/-0.055 χ^2/NDF: 18265888.0/86



Right In: 42.677+/-39.484 χ^2/NDF: 20.3/17

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 8.949+/-40.173 χ^2/NDF: 21.4/20

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

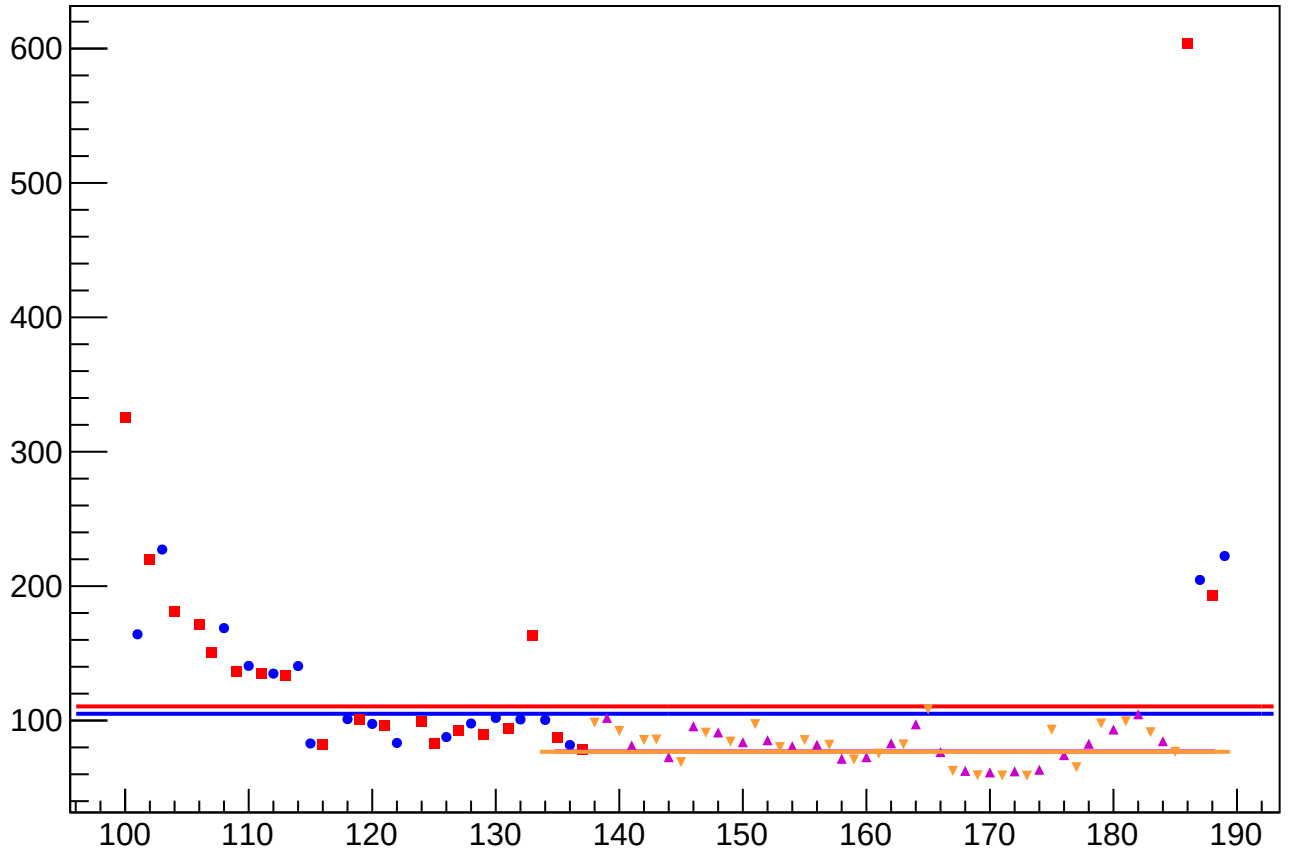
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.105+/-28.160 χ^2/NDF: 42.1/38

In: 64.954+/-16.750 χ^2/NDF:55.2/40

Out: 48.127+/-16.388 χ^2/NDF:60.8/45

All: 56.357+/-11.714 χ^2/NDF: 116.6/86



Right In: 105.029+/-0.028 χ^2/NDF: 1365926.0/17

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 110.500+/-0.028 χ^2/NDF: 2106500.4/20

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

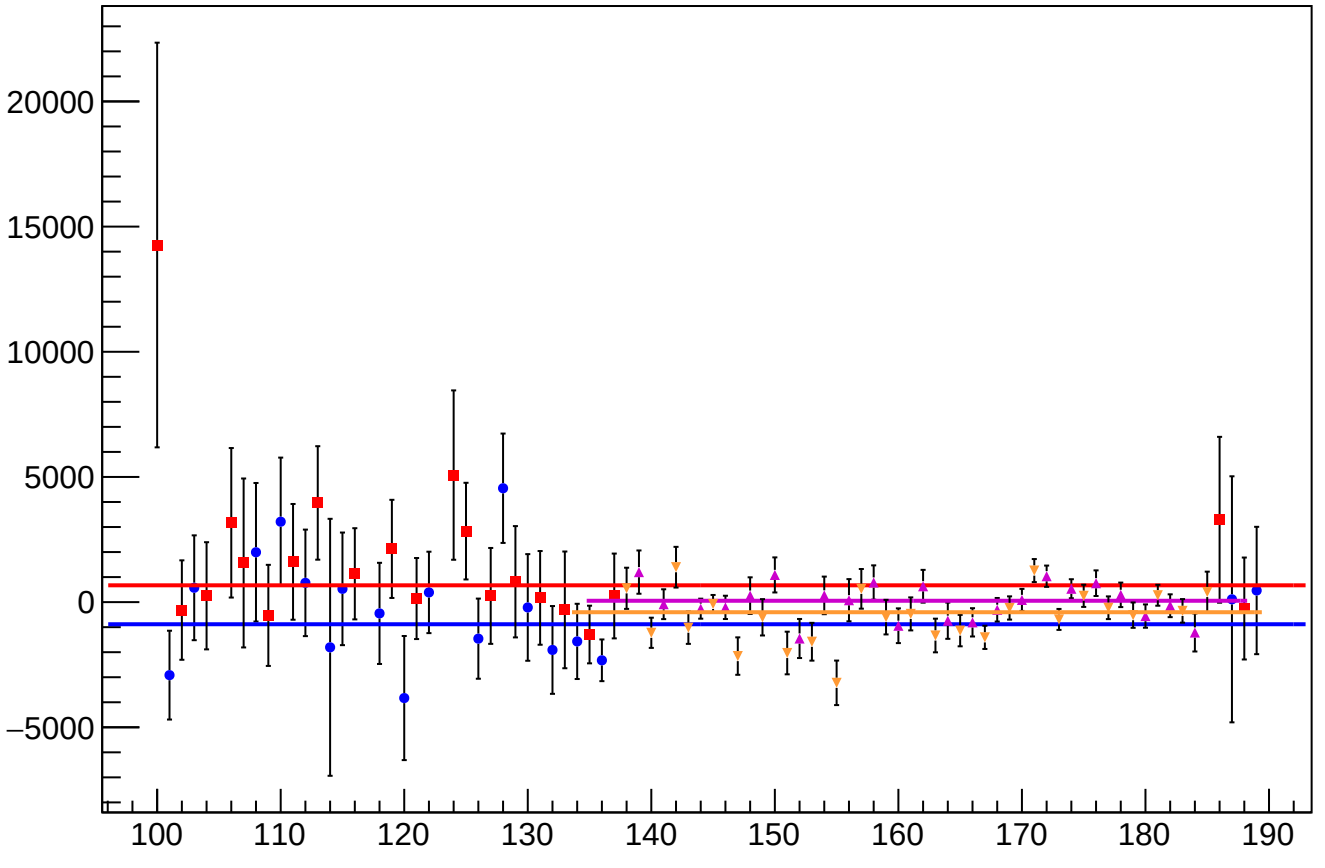
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 107.717+/-0.020 χ^2/NDF: 3491295.8/38

In: 82.059+/-0.012 χ^2/NDF:3050168.7/40

Out: 82.361+/-0.012 χ^2/NDF:4518214.1/45

All: 82.213+/-0.008 χ^2/NDF: 7568715.5/86



Right In: -883.462+/-434.459 χ^2/NDF: 18.8/17

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 671.739+/-447.527 χ^2/NDF: 14.3/20

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

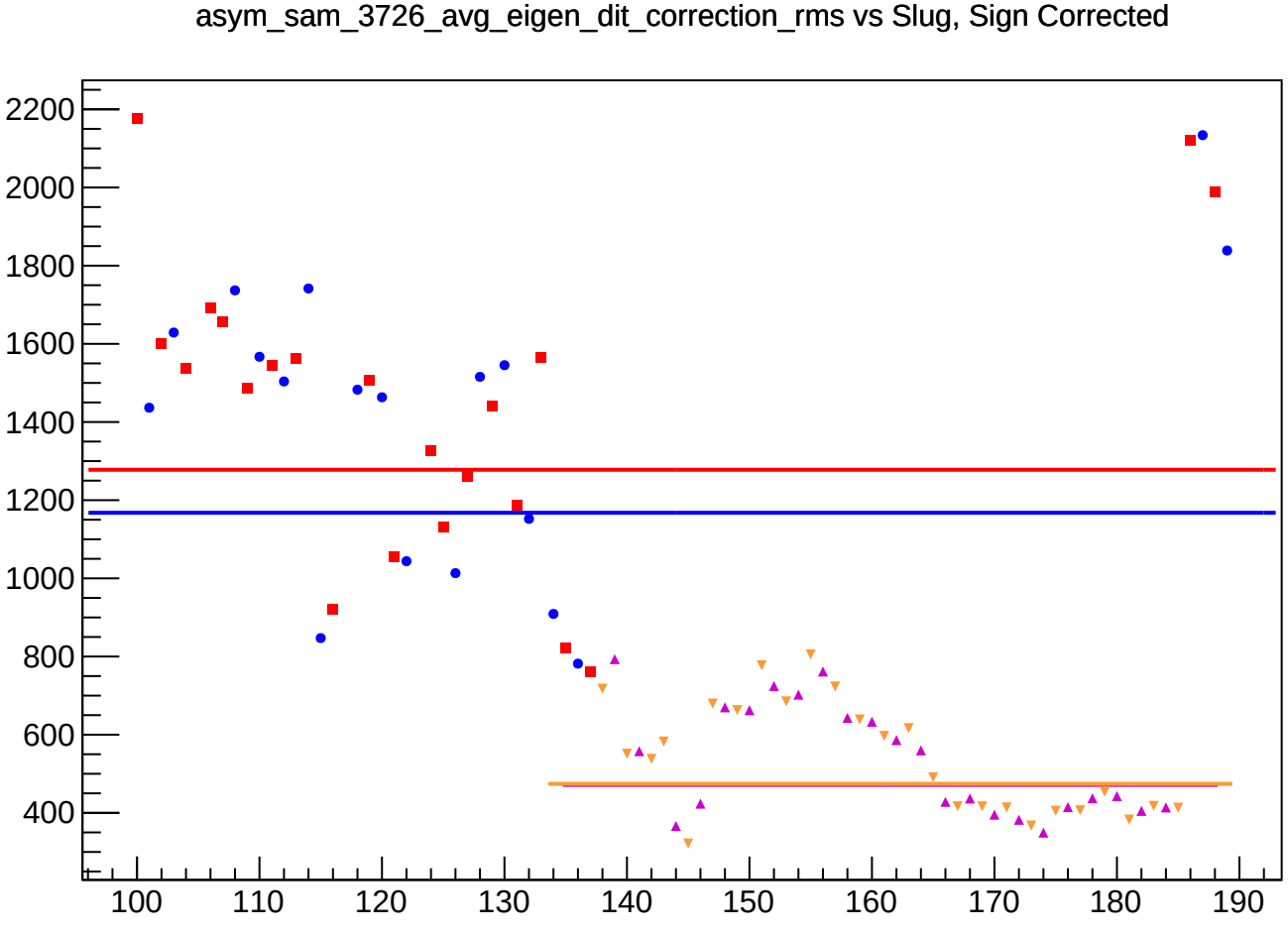
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -128.901+/-311.726 χ^2/NDF: 39.3/38

In: -6.430+/-110.469 χ^2/NDF:53.8/40

Out: -340.248+/-108.442 χ^2/NDF:80.5/45

All: -176.430+/-77.387 χ^2/NDF: 139.0/86



Right In: 1167.823+/-0.307 χ^2/NDF: 1317940.7/17

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1277.881+/-0.316 χ^2/NDF: 1321659.4/20

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

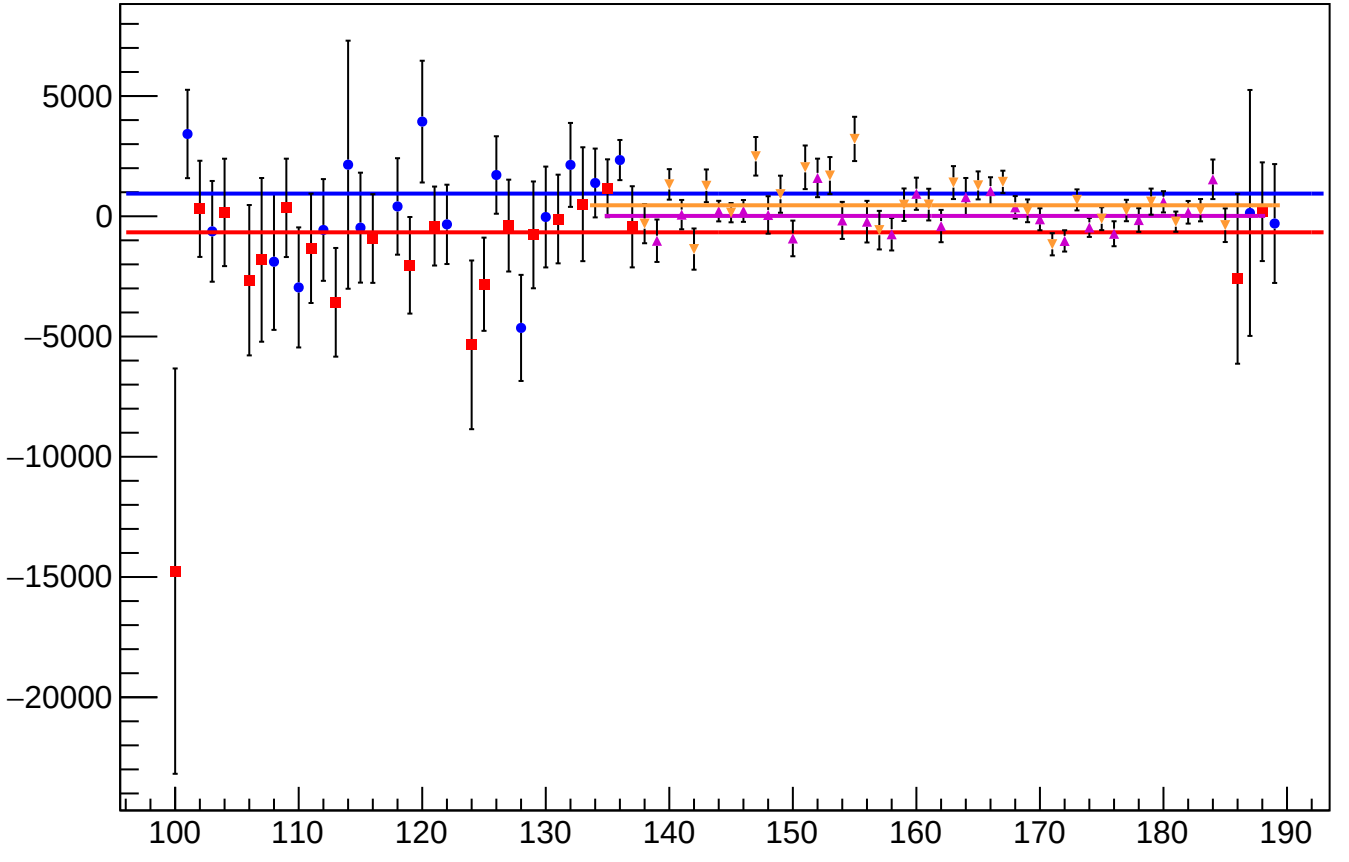
Right: 1221.222+/-0.220 χ^2/NDF: 2701871.6/38

In: 516.478+/-0.078 χ^2/NDF:8333264.4/40

Out: 521.477+/-0.077 χ^2/NDF:9930510.7/45

All: 519.024+/-0.055 χ^2/NDF: 18265861.1/86

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 943.380+/-434.128 χ^2/NDF: 19.3/17

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -666.899+/-454.023 χ^2/NDF: 12.4/20

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

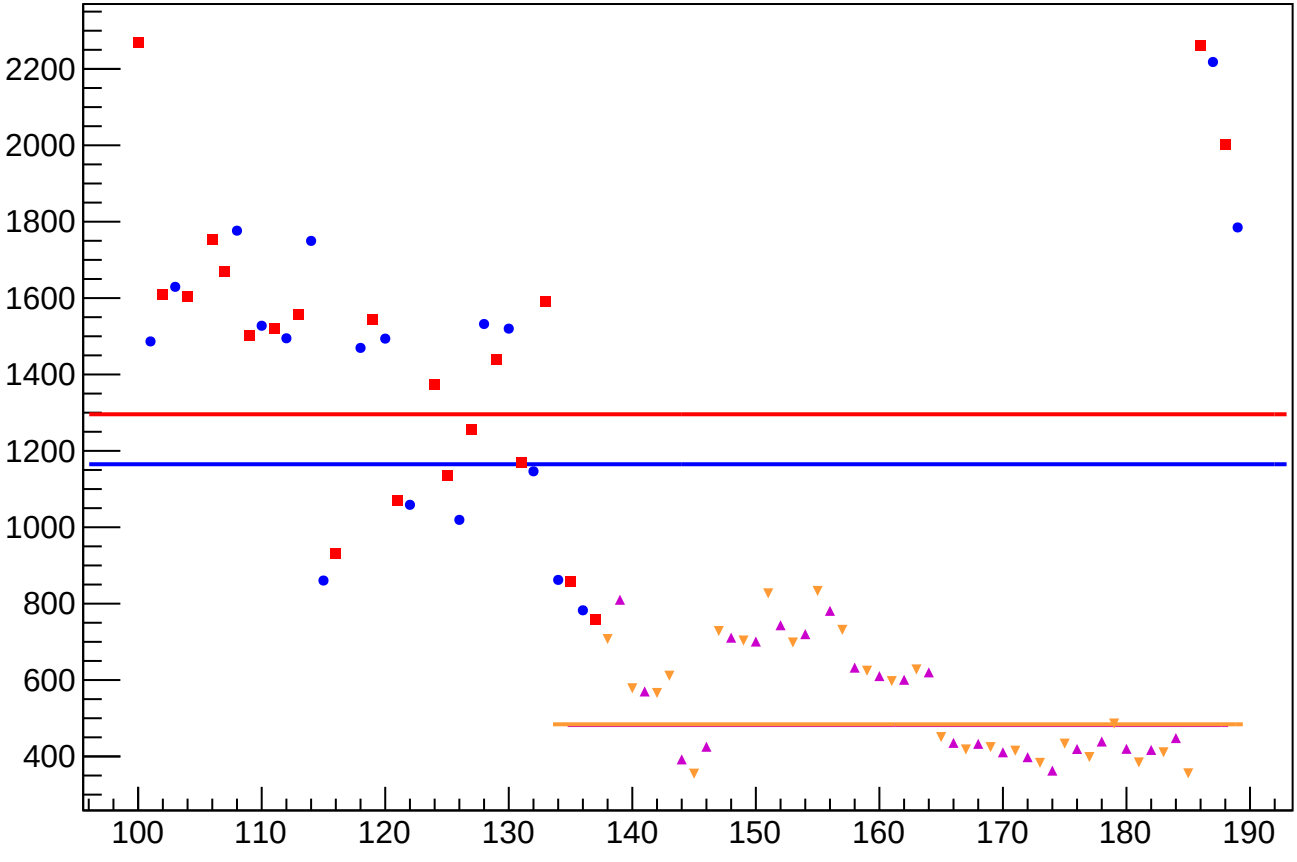
Right: 174.293+/-313.773 χ^2/NDF: 38.3/38

In: 77.649+/-112.700 χ^2/NDF:53.9/40

Out: 390.228+/-110.888 χ^2/NDF:77.5/45

All: 236.471+/-79.043 χ^2/NDF: 135.3/86

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1164.996+/-0.307 χ^2/NDF: 1342232.6/17

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1295.802+/-0.321 χ^2/NDF: 1312873.2/20

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

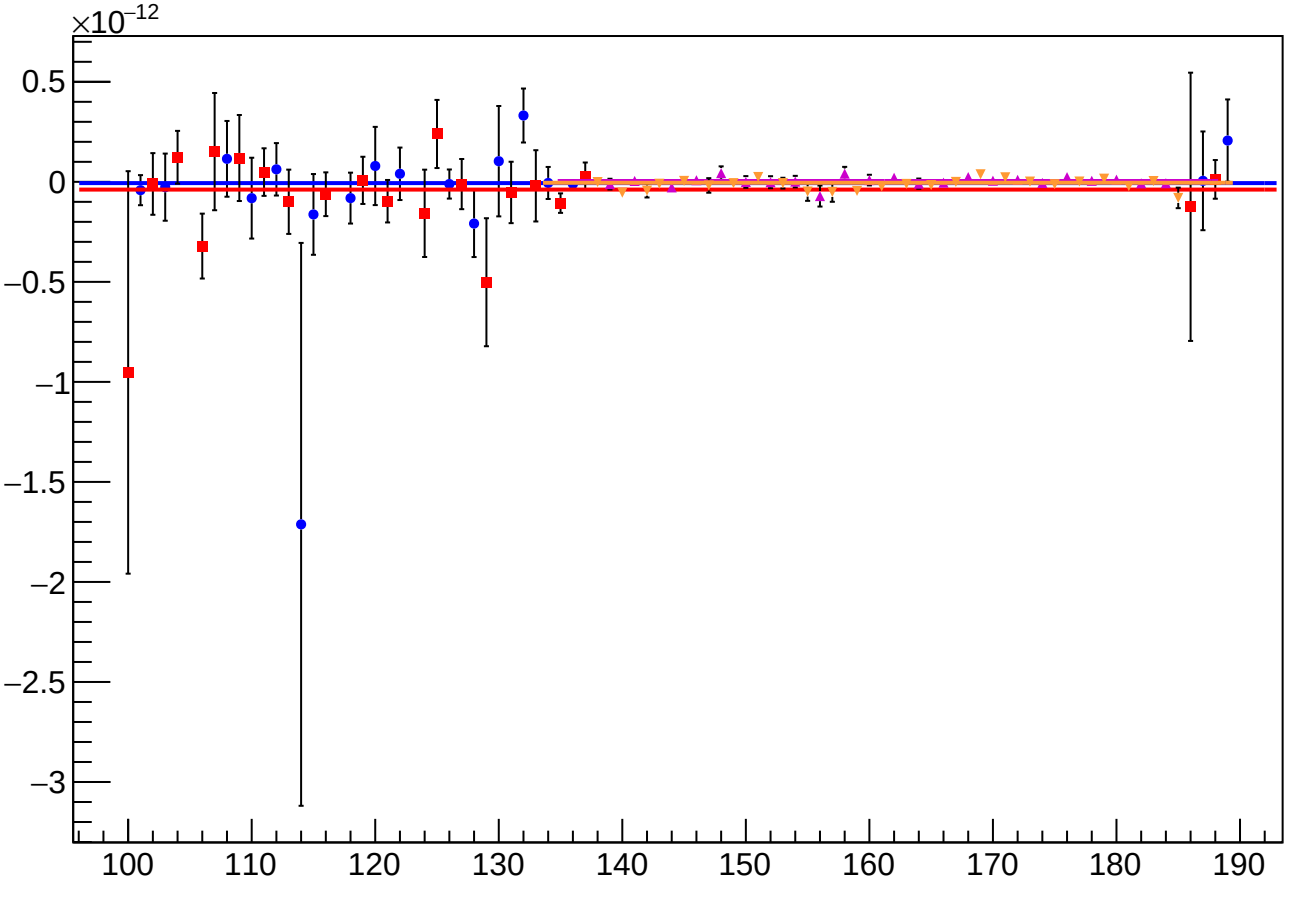
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1227.471+/-0.222 χ^2/NDF: 2741826.3/38

In: 528.178+/-0.080 χ^2/NDF:8143440.2/40

Out: 532.545+/-0.078 χ^2/NDF:9872079.9/45

All: 530.397+/-0.056 χ^2/NDF: 18017046.1/86



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/20

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

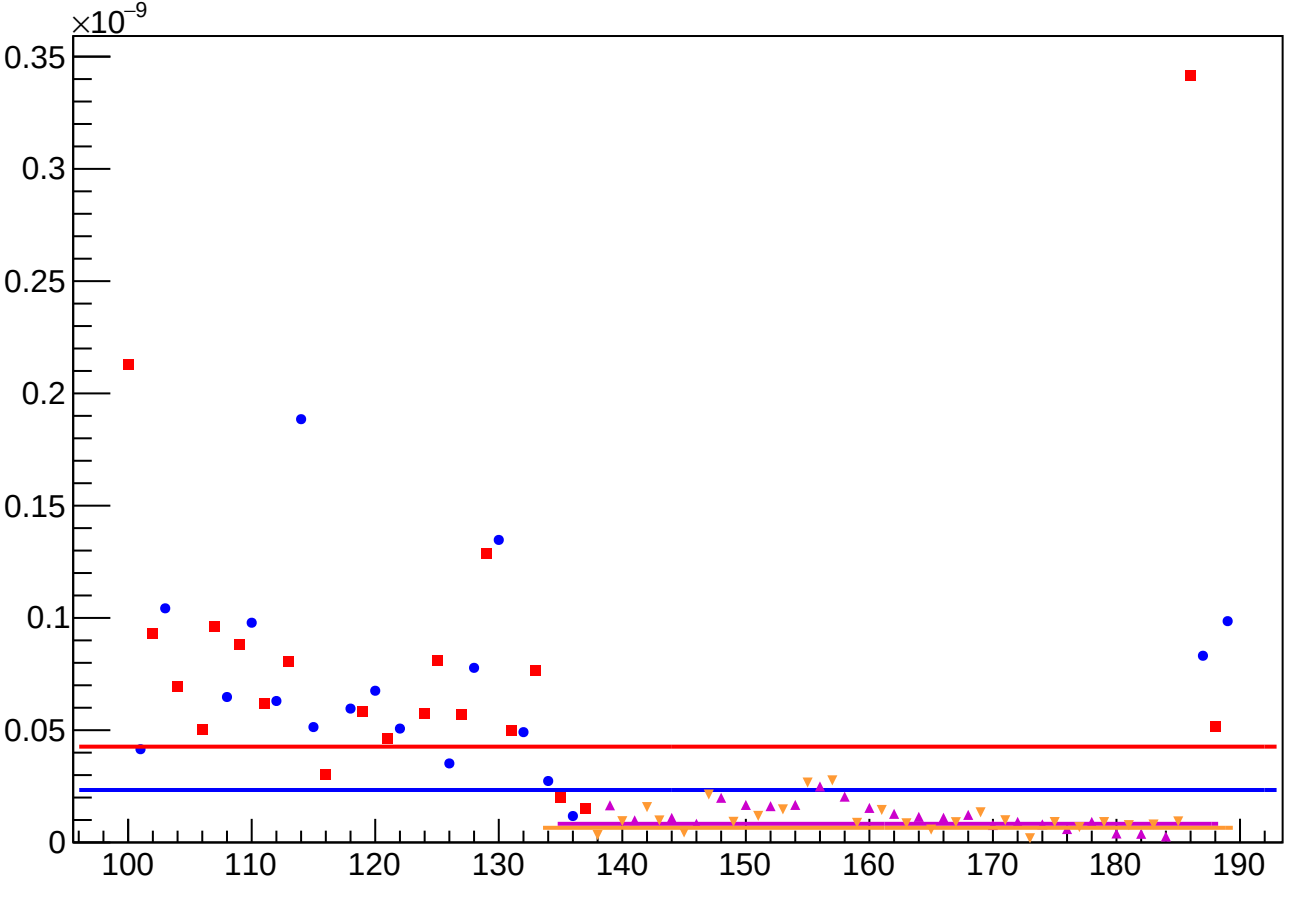
Right: -0.000+/-0.000 χ^2/NDF: 29.7/38

In: 0.000+/-0.000 χ^2/NDF:28.2/40

Out: -0.000+/-0.000 χ^2/NDF:48.6/45

All: -0.000+/-0.000 χ^2/NDF: 80.1/86

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3242661.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2266912.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

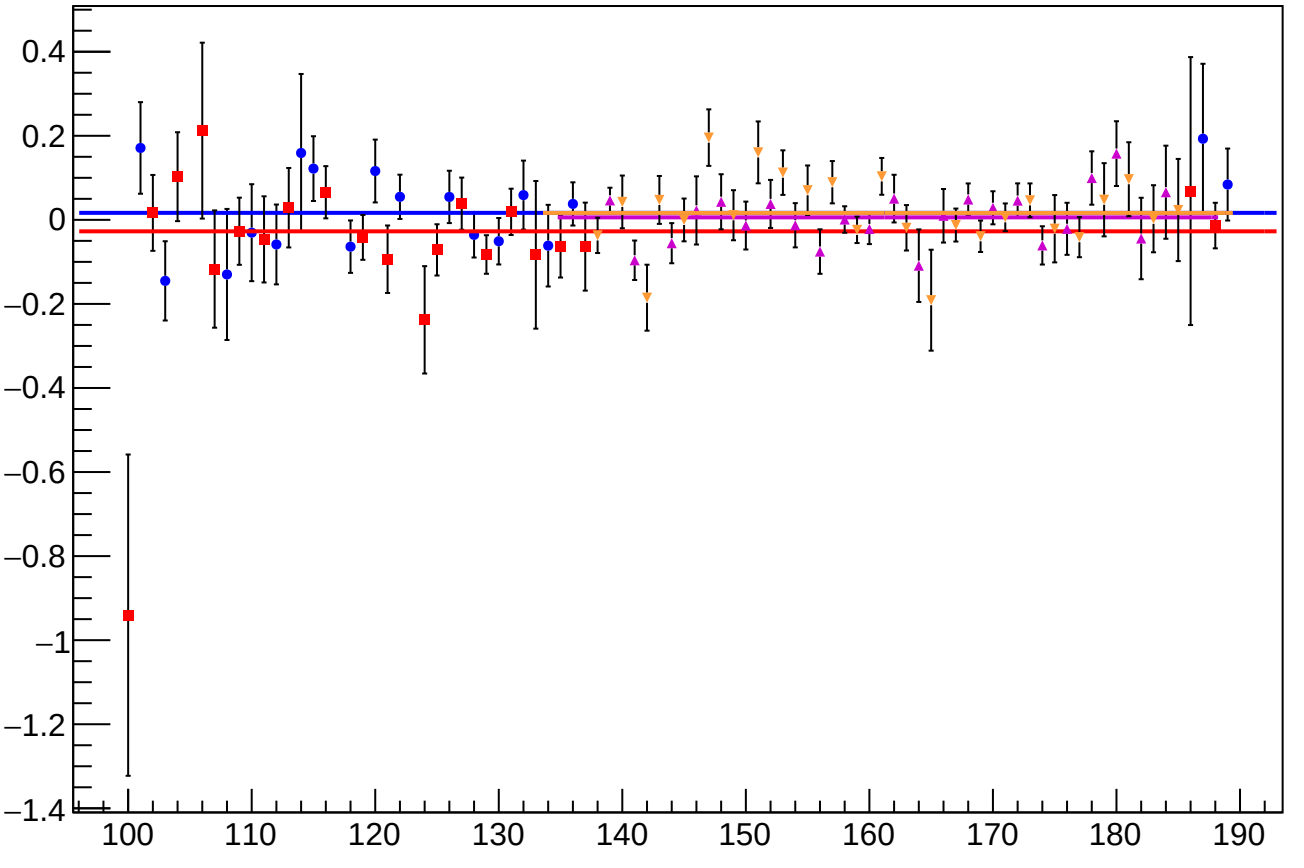
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 6273350.3/38

In: 0.000+/-0.000 χ^2/NDF:7498347.3/40

Out: 0.000+/-0.000 χ^2/NDF:9798270.9/45

All: 0.000+/-0.000 χ^2/NDF: 17615993.8/86



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

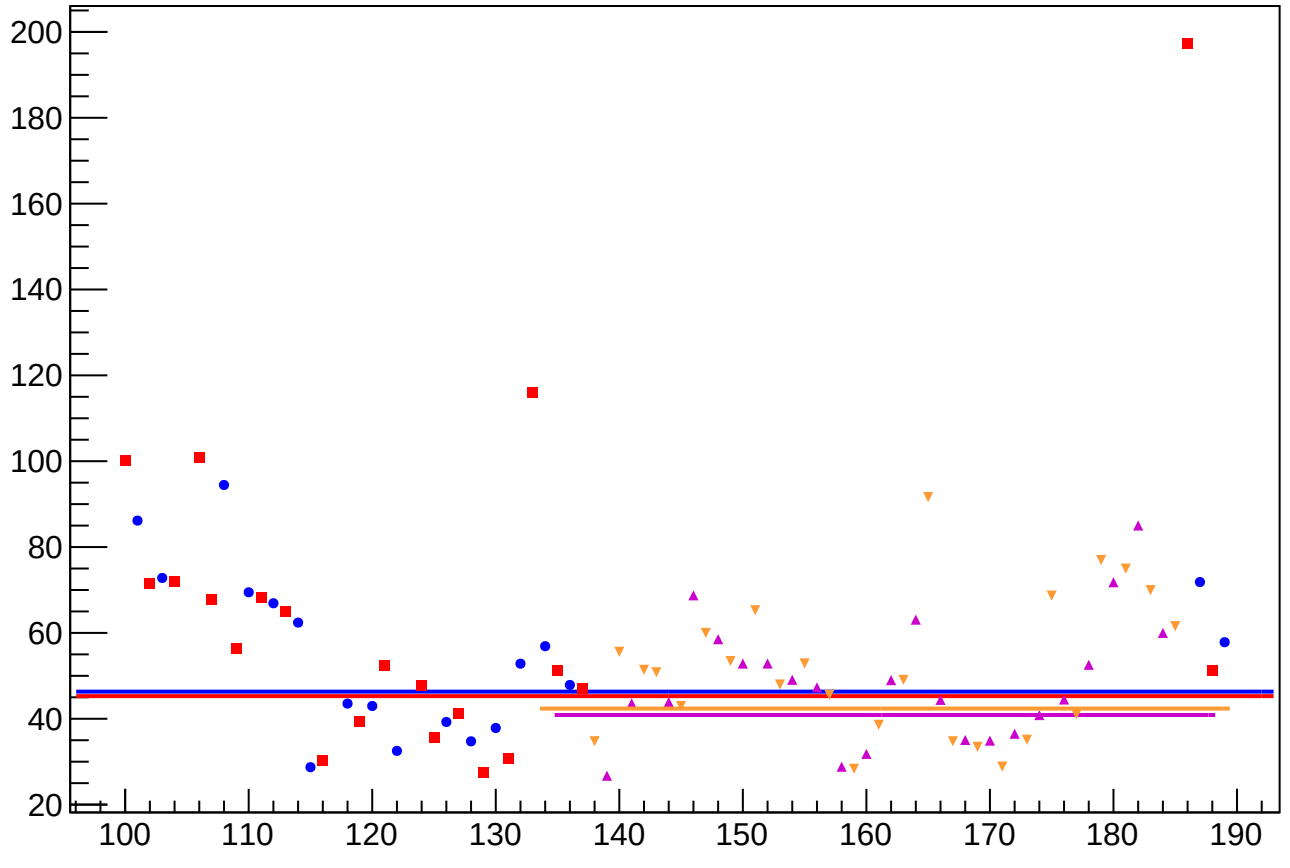
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.006+/-0.012 χ^2/NDF: 41.4/38

In: 0.009+/-0.009 χ^2/NDF:44.7/40

Out: 0.005+/-0.009 χ^2/NDF:65.6/45

All: 0.007+/-0.006 χ^2/NDF: 110.5/86



Right In: 46.321+/-0.013 χ^2/NDF: 1334942.0/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 45.269+/-0.012 χ^2/NDF: 2230445.9/20

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

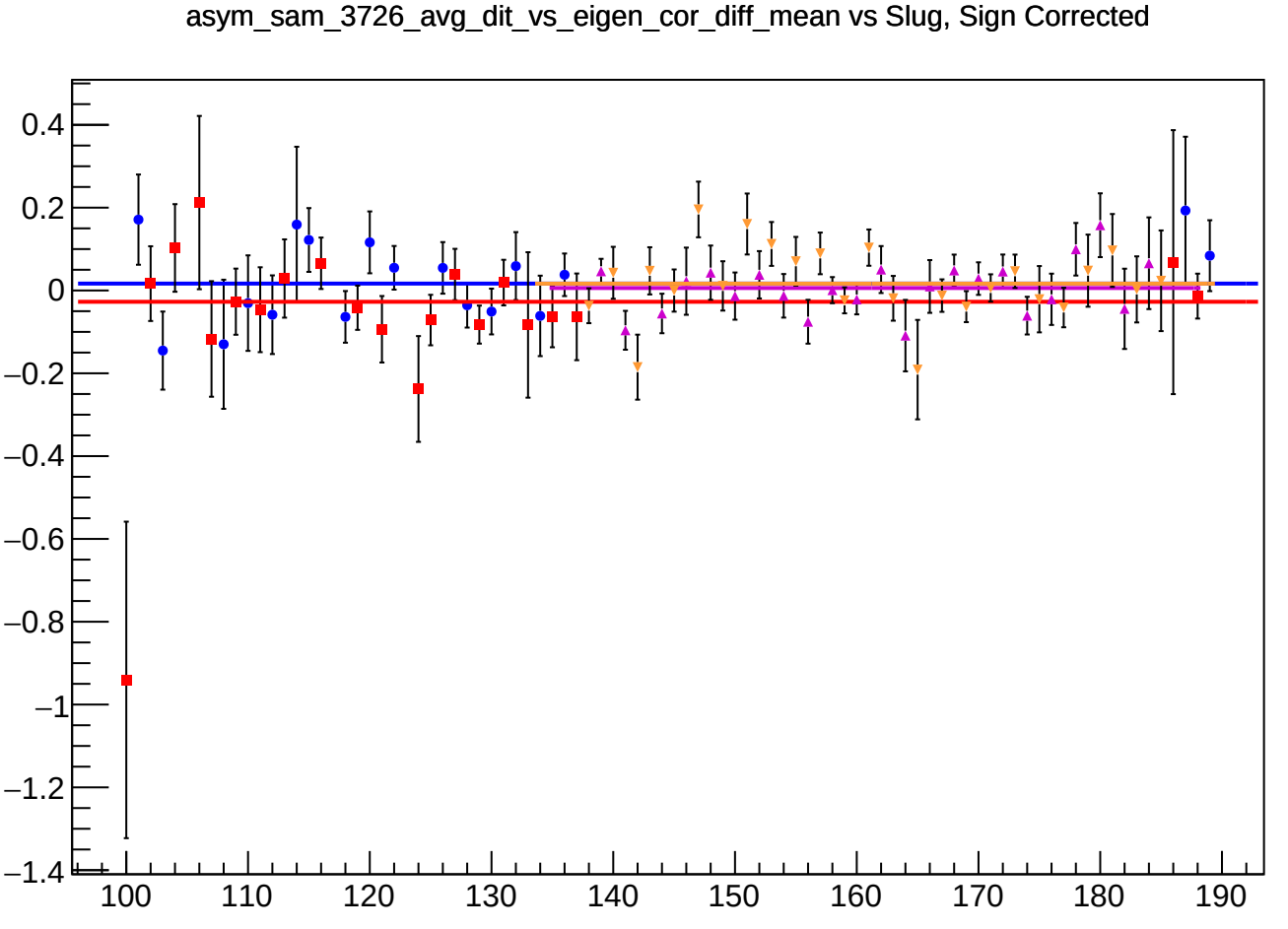
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.769+/-0.009 χ^2/NDF: 3569045.3/38

In: 42.239+/-0.006 χ^2/NDF:4153099.4/40

Out: 43.160+/-0.006 χ^2/NDF:5463875.4/45

All: 42.703+/-0.004 χ^2/NDF: 9627756.9/86



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

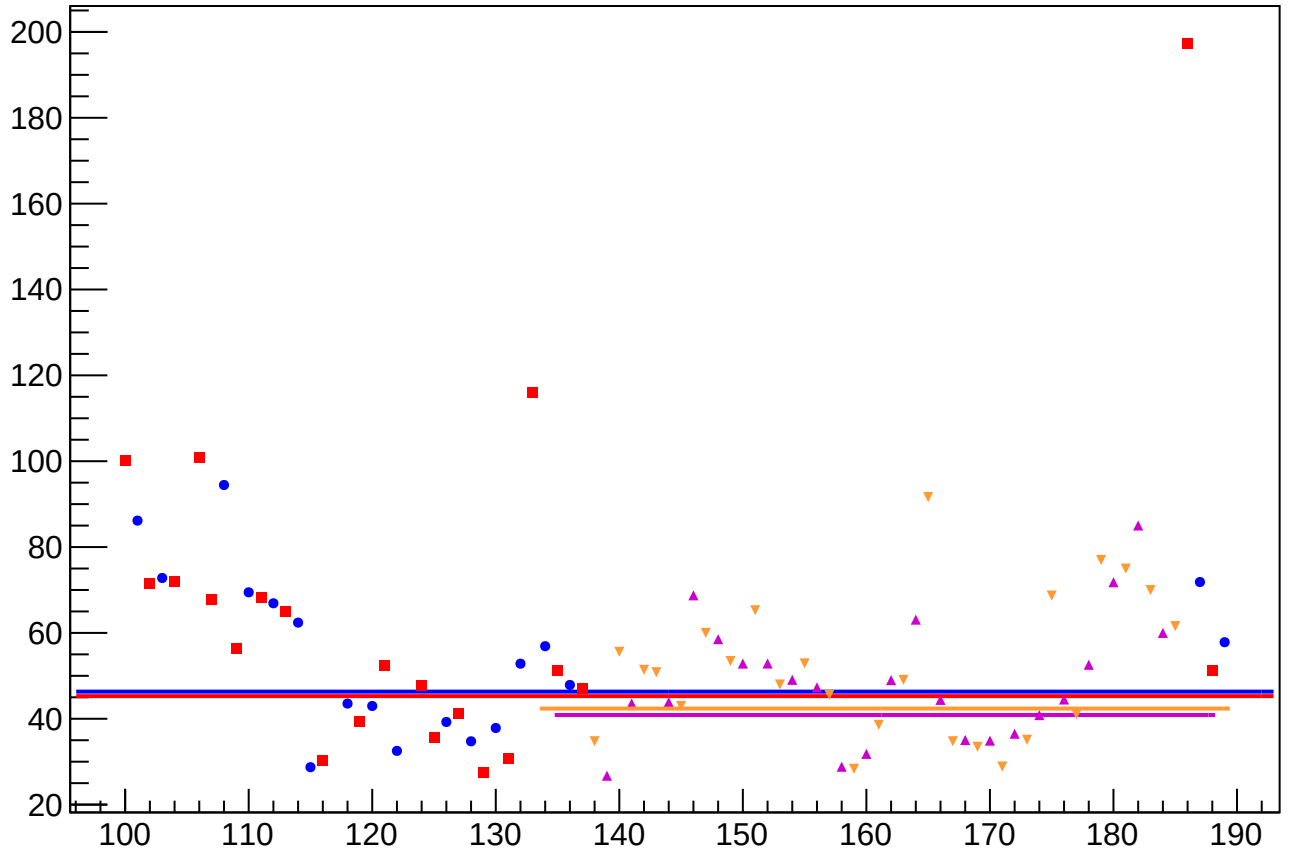
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.006+/-0.012 χ^2/NDF: 41.4/38

In: 0.009+/-0.009 χ^2/NDF:44.7/40

Out: 0.005+/-0.009 χ^2/NDF:65.6/45

All: 0.007+/-0.006 χ^2/NDF: 110.5/86



Right In: 46.321+/-0.013 χ^2/NDF: 1334942.0/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 45.269+/-0.012 χ^2/NDF: 2230445.9/20

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

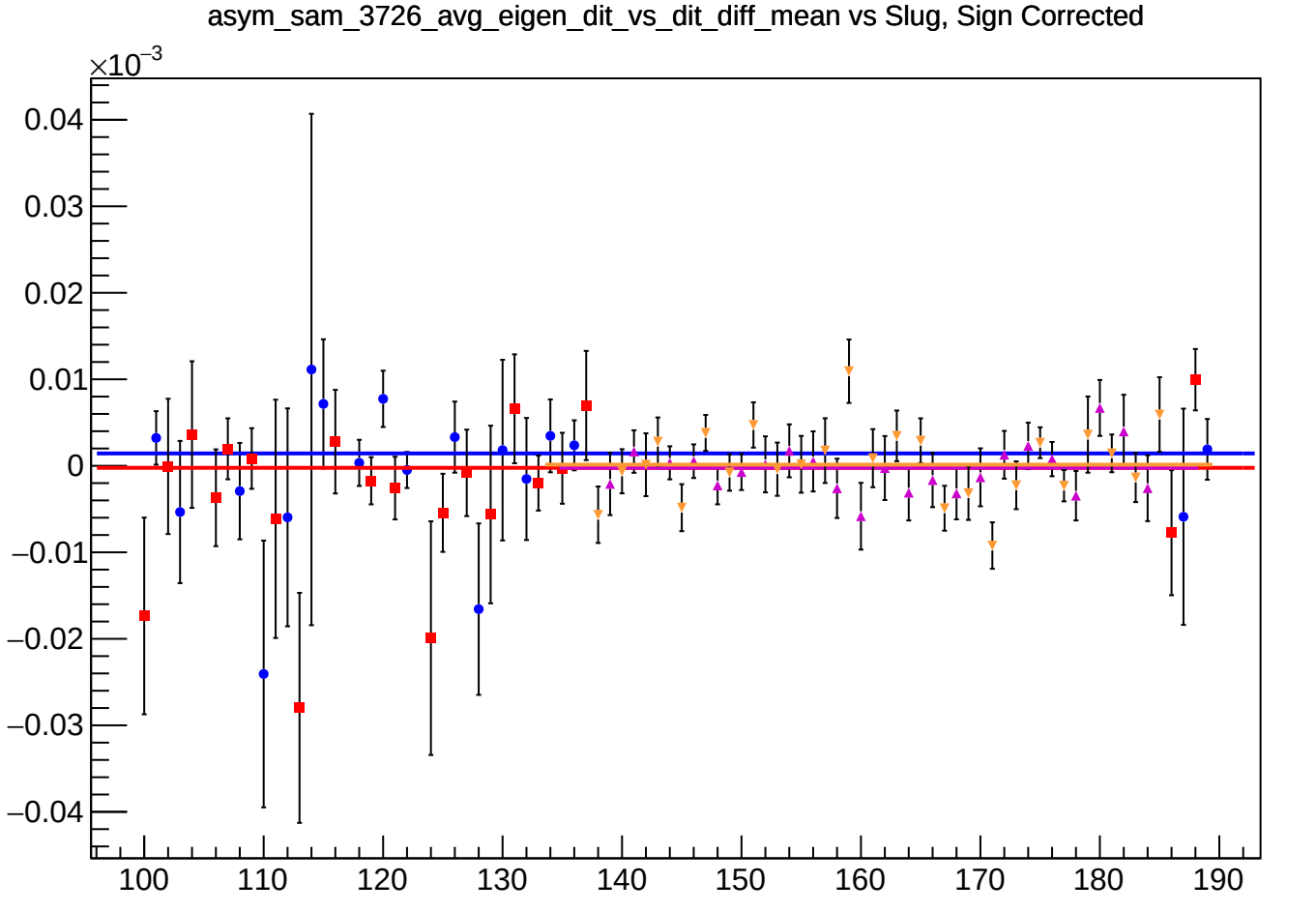
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

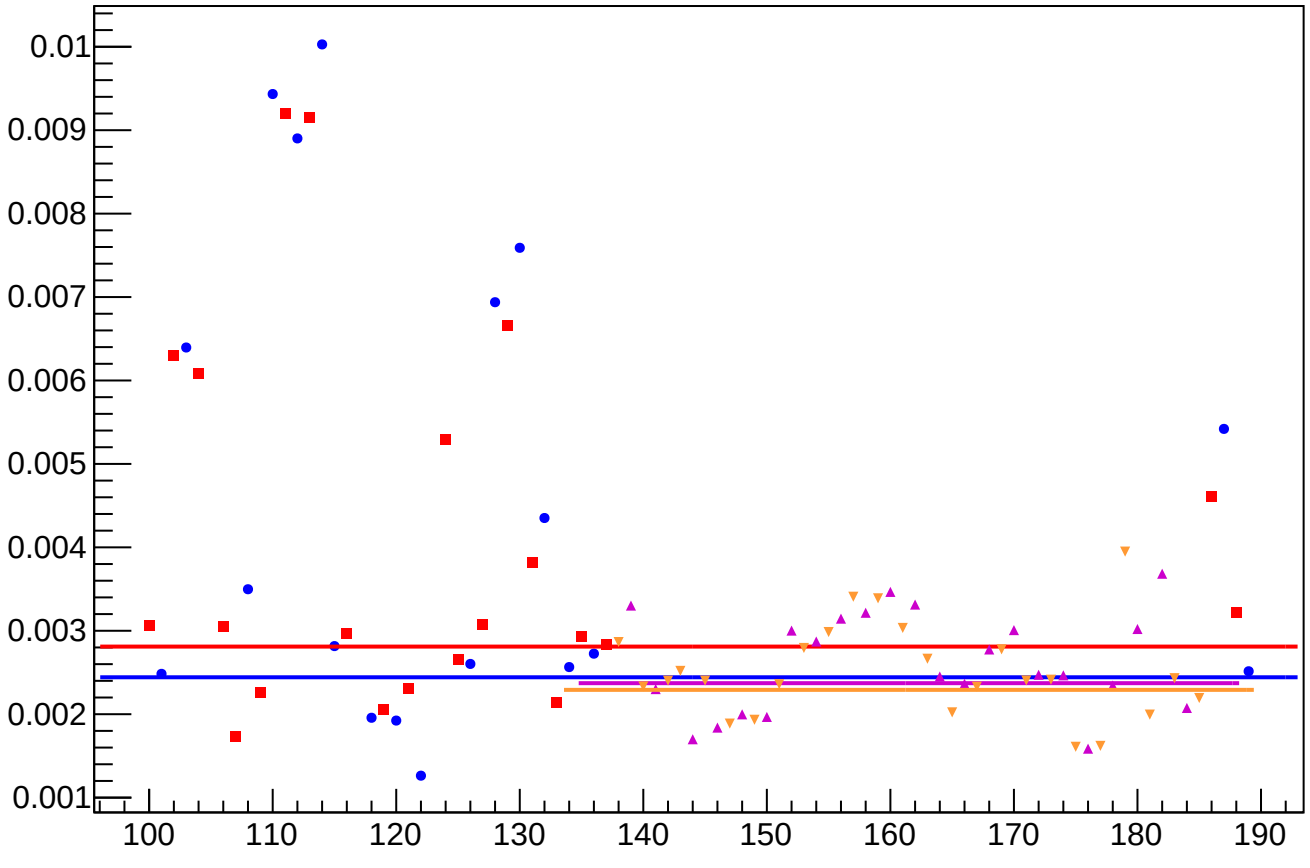
Right: 45.769+/-0.009 χ^2/NDF: 3569045.3/38

In: 42.239+/-0.006 χ^2/NDF:4153099.4/40

Out: 43.160+/-0.006 χ^2/NDF:5463875.4/45

All: 42.703+/-0.004 χ^2/NDF: 9627756.9/86


asym_sam_3726_avg_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
−0.04
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.6/17
Left Out: 0.000+/-0.000 χ²/NDF:49.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.7/20
Left In: -0.000+/-0.000 χ²/NDF:15.8/22
Left: -0.000+/-0.000 χ²/NDF: 66.0/47
Right: 0.000+/-0.000 χ²/NDF: 40.6/38
In: 0.000+/-0.000 χ²/NDF:32.5/40
Out: 0.000+/-0.000 χ²/NDF:74.7/45
All: 0.000+/-0.000 χ²/NDF: 107.2/86



Right In: 0.002+/-0.000 χ^2/NDF: 3547793.0/17

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2666458.6/20

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

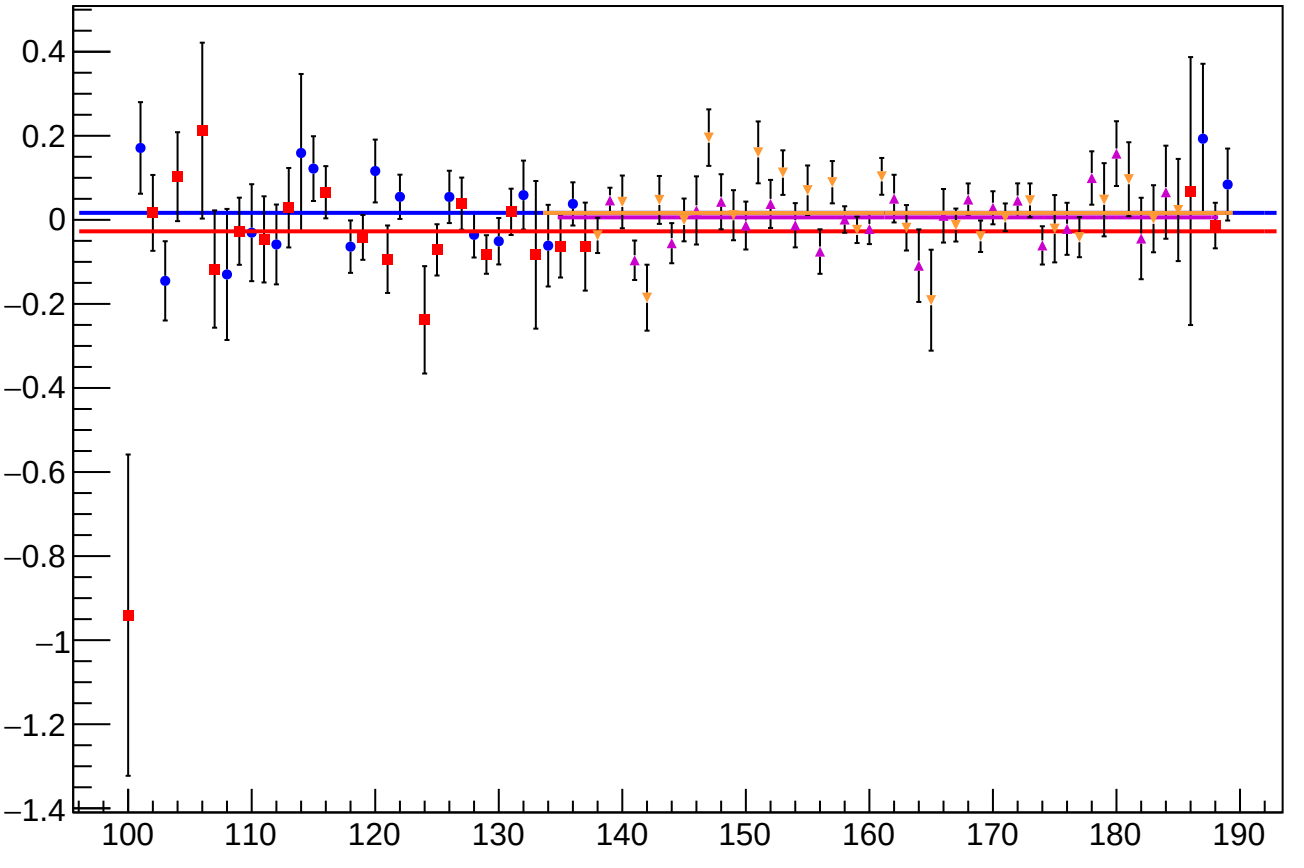
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6342447.8/38

In: 0.002+/-0.000 χ^2/NDF:5575642.8/40

Out: 0.002+/-0.000 χ^2/NDF:4867590.9/45

All: 0.002+/-0.000 χ^2/NDF: 10443511.3/86



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

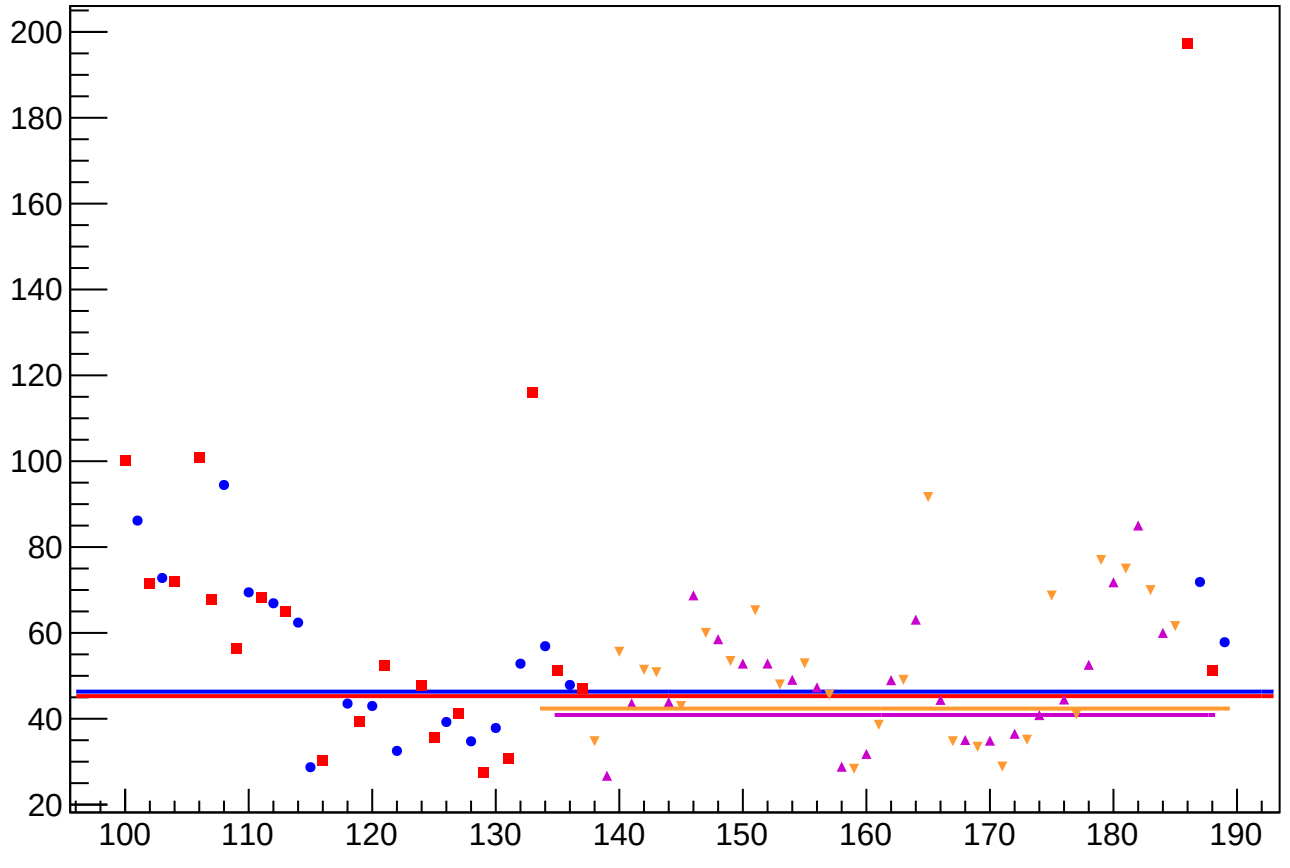
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.006+/-0.012 χ^2/NDF: 41.4/38

In: 0.009+/-0.009 χ^2/NDF:44.7/40

Out: 0.005+/-0.009 χ^2/NDF:65.6/45

All: 0.007+/-0.006 χ^2/NDF: 110.5/86



Right In: 46.321+/-0.013 χ^2/NDF: 1334906.7/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 45.270+/-0.012 χ^2/NDF: 2230366.1/20

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

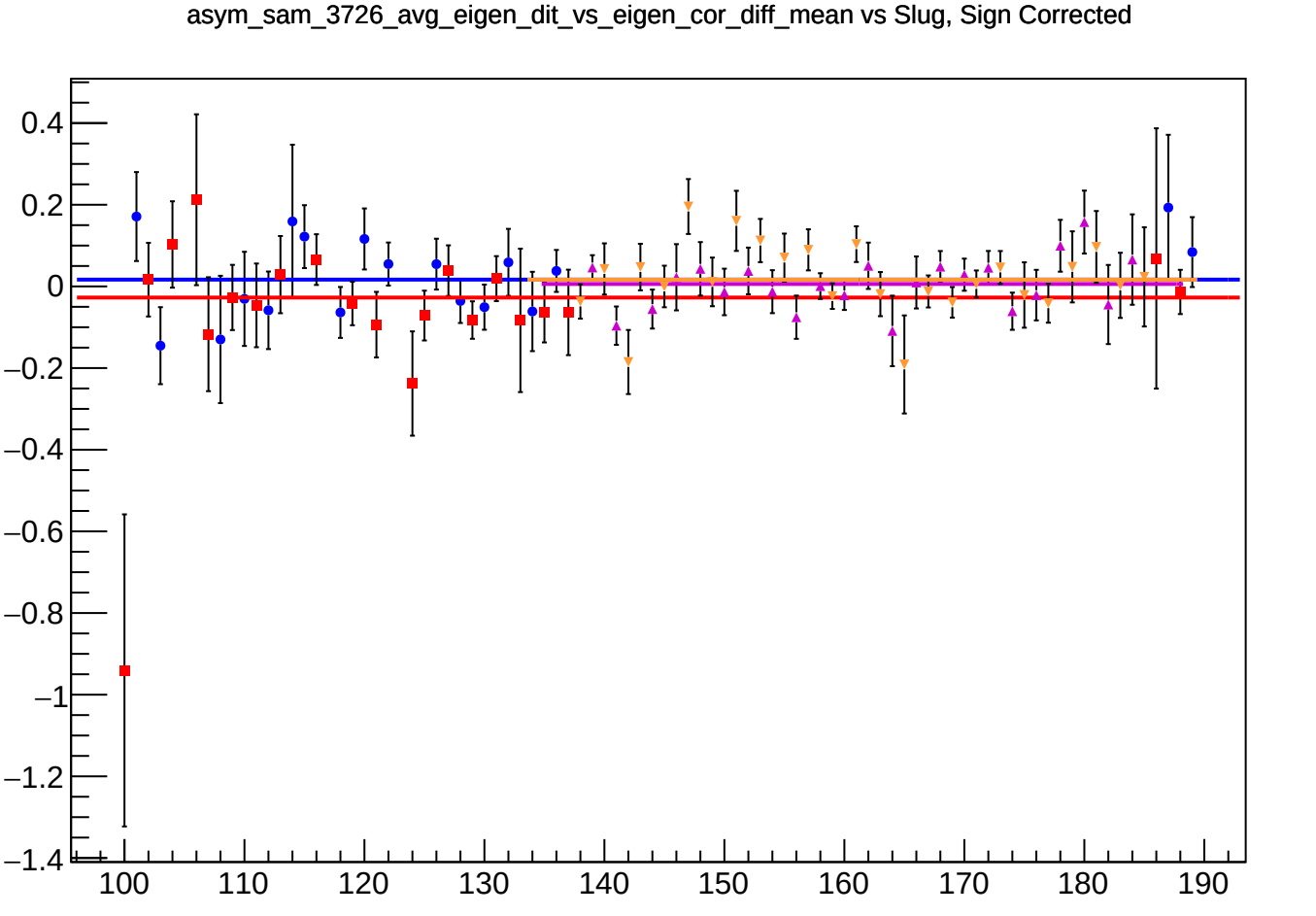
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 45.769+/-0.009 χ^2/NDF: 3568927.5/38

In: 42.240+/-0.006 χ^2/NDF:4153064.4/40

Out: 43.161+/-0.006 χ^2/NDF:5463825.8/45

All: 42.704+/-0.004 χ^2/NDF: 9627673.2/86



Right In: 0.017+/-0.018 χ^2/NDF: 18.5/17

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

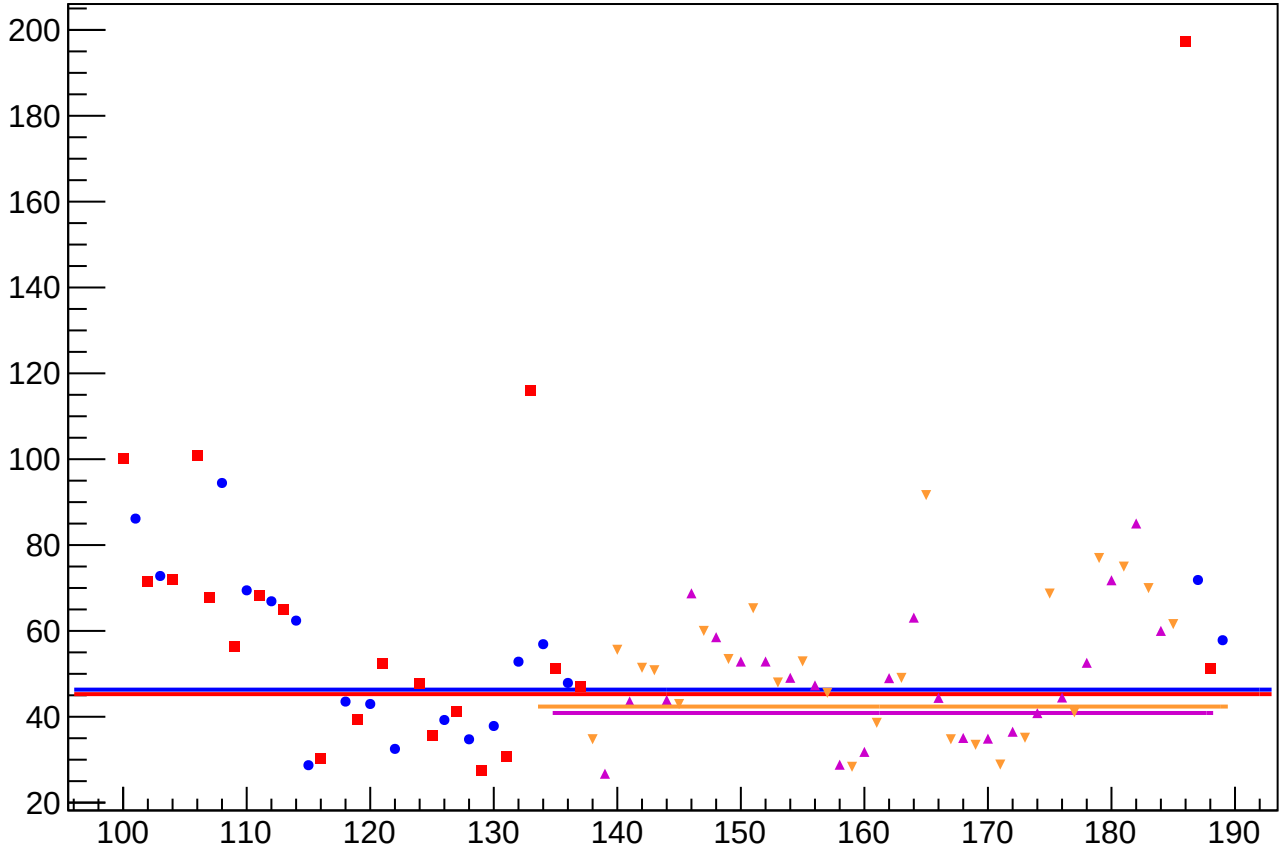
Right: -0.006+/-0.012 χ^2/NDF: 41.4/38

In: 0.009+/-0.009 χ^2/NDF:44.7/40

Out: 0.005+/-0.009 χ^2/NDF:65.6/45

All: 0.007+/-0.006 χ^2/NDF: 110.5/86

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.321+/-0.013 χ^2/NDF: 1334906.7/17

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 45.270+/-0.012 χ^2/NDF: 2230366.1/20

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

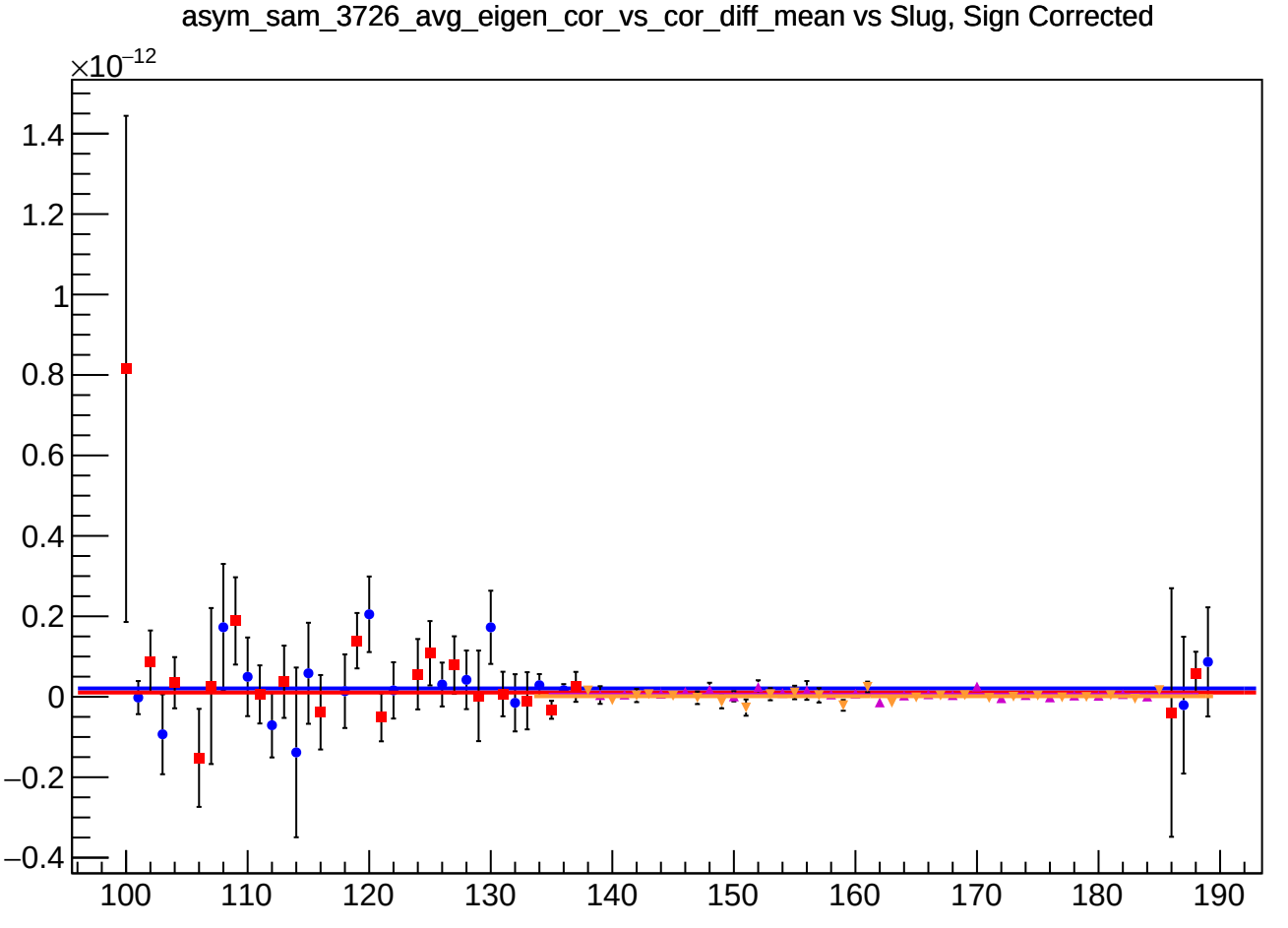
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

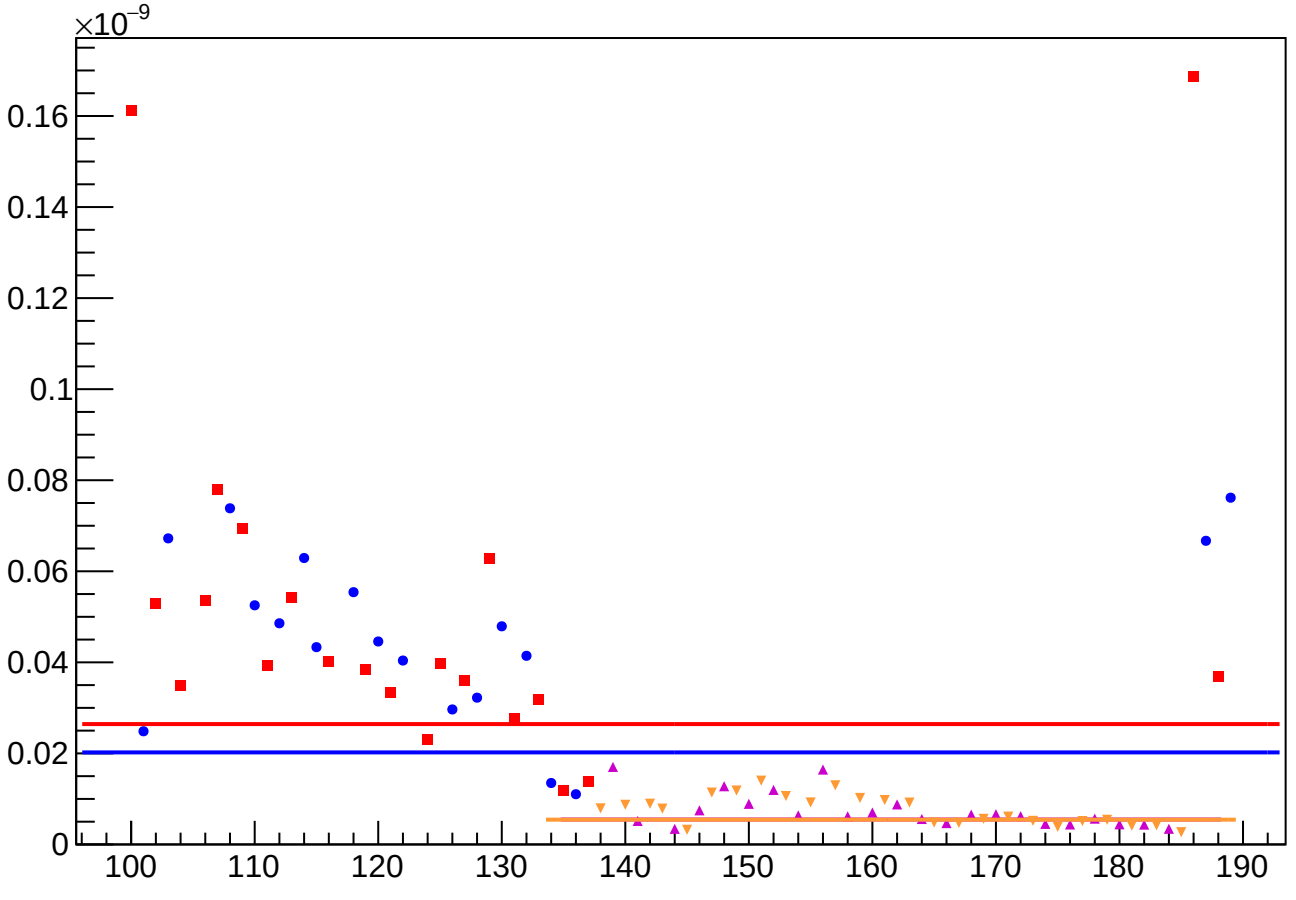
Right: 45.769+/-0.009 χ^2/NDF: 3568927.5/38

In: 42.240+/-0.006 χ^2/NDF:4153064.4/40

Out: 43.161+/-0.006 χ^2/NDF:5463825.8/45

All: 42.704+/-0.004 χ^2/NDF: 9627673.2/86


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.1/17
Left Out: 0.000+/-0.000 χ²/NDF:19.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.5/20
Left In: 0.000+/-0.000 χ²/NDF:13.2/22
Left: 0.000+/-0.000 χ²/NDF: 35.1/47
Right: 0.000+/-0.000 χ²/NDF: 32.0/38
In: 0.000+/-0.000 χ²/NDF:27.2/40
Out: 0.000+/-0.000 χ²/NDF:39.7/45
All: 0.000+/-0.000 χ²/NDF: 69.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 3735790.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3207145.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

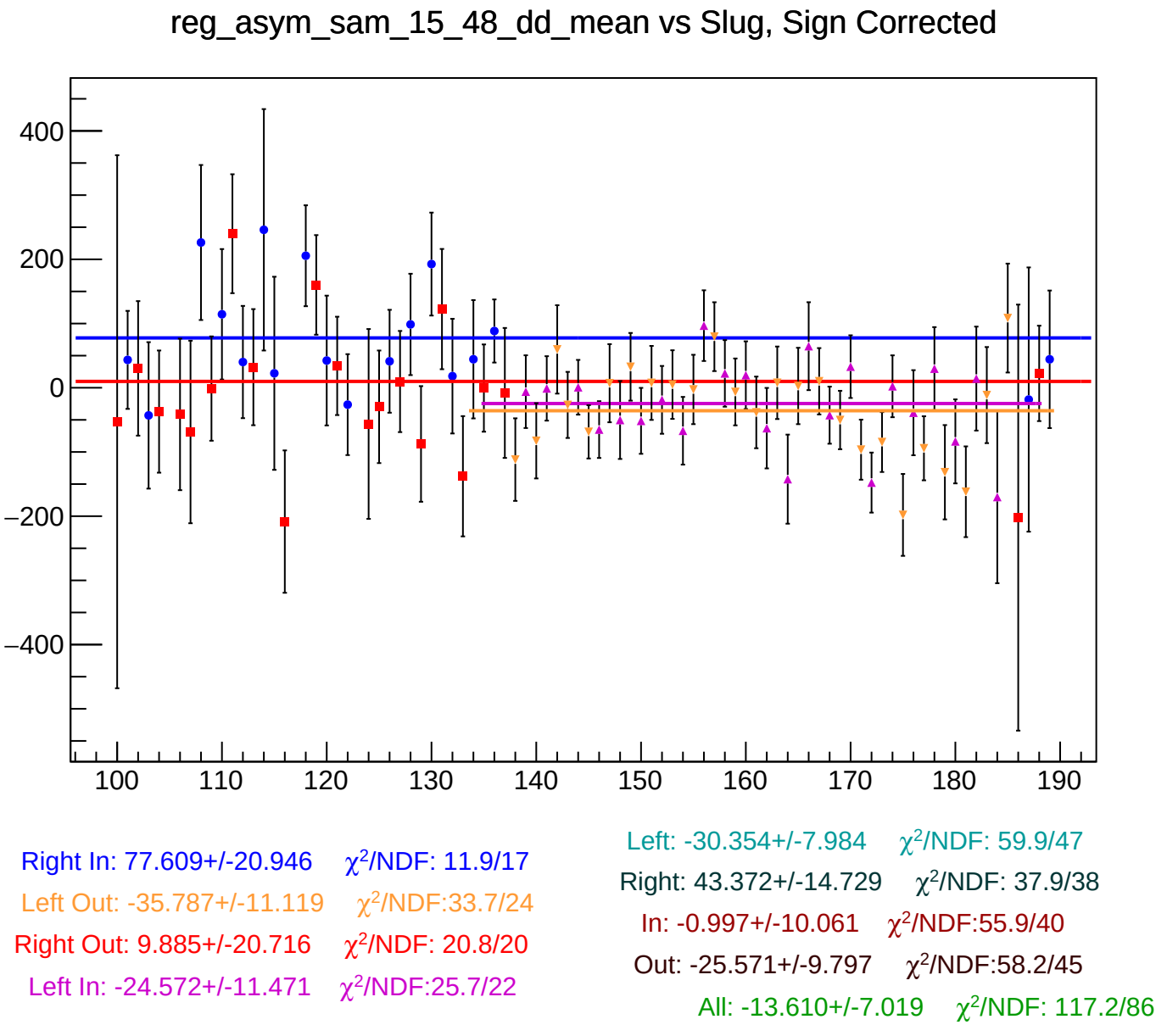
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

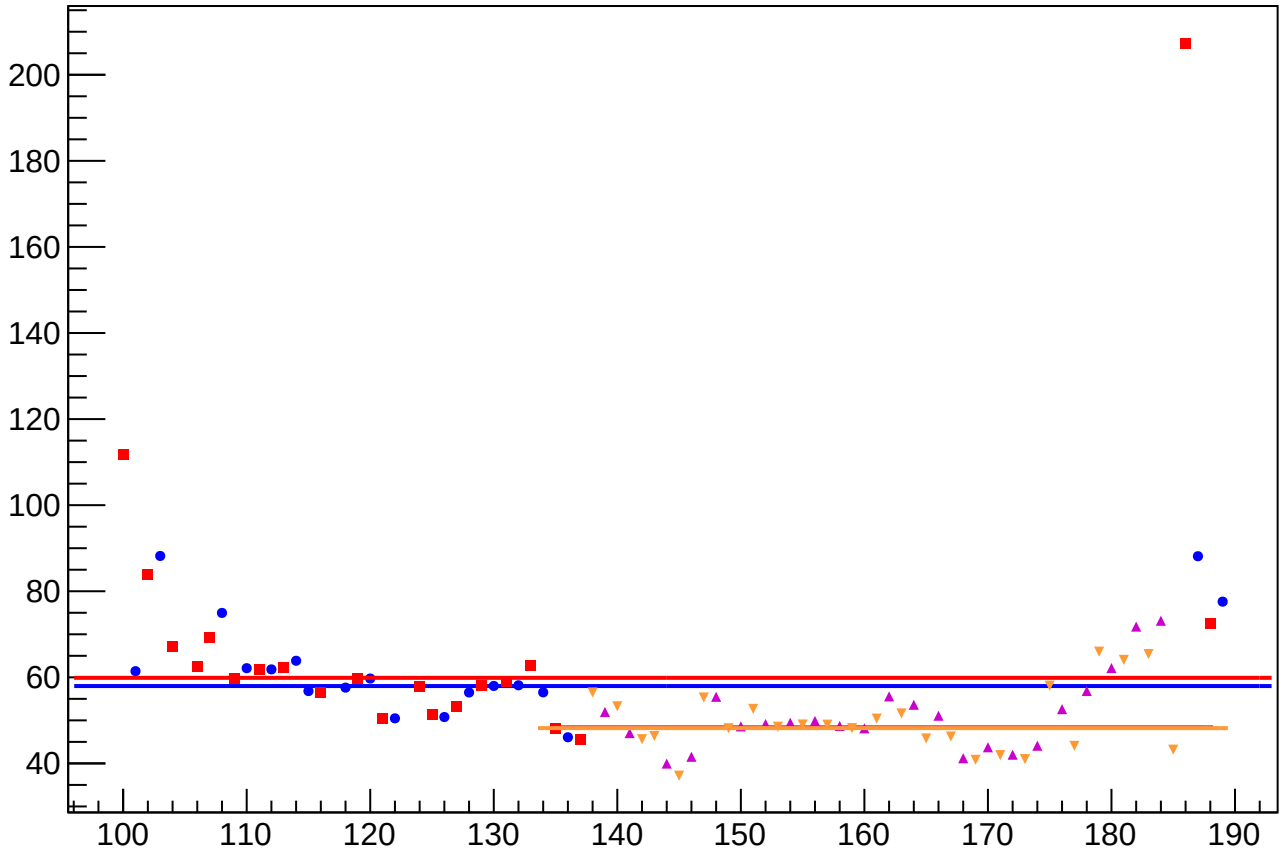
Right: 0.000+/-0.000 χ^2/NDF: 7200988.3/38

In: 0.000+/-0.000 χ^2/NDF:9964279.2/40

Out: 0.000+/-0.000 χ^2/NDF:11908212.3/45

All: 0.000+/-0.000 χ^2/NDF: 21873491.5/86


reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 77.609+/-20.946 χ²/NDF: 11.9/17
Left Out: -35.787+/-11.119 χ²/NDF:33.7/24
Right Out: 9.885+/-20.716 χ²/NDF: 20.8/20
Left In: -24.572+/-11.471 χ²/NDF:25.7/22
Left: -30.354+/-7.984 χ²/NDF: 59.9/47
Right: 43.372+/-14.729 χ²/NDF: 37.9/38
In: -0.997+/-10.061 χ²/NDF:55.9/40
Out: -25.571+/-9.797 χ²/NDF:58.2/45
All: -13.610+/-7.019 χ²/NDF: 117.2/86



Right In: 57.971+/-0.015 χ^2/NDF: 457039.7/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 59.884+/-0.015 χ^2/NDF: 780211.9/20

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

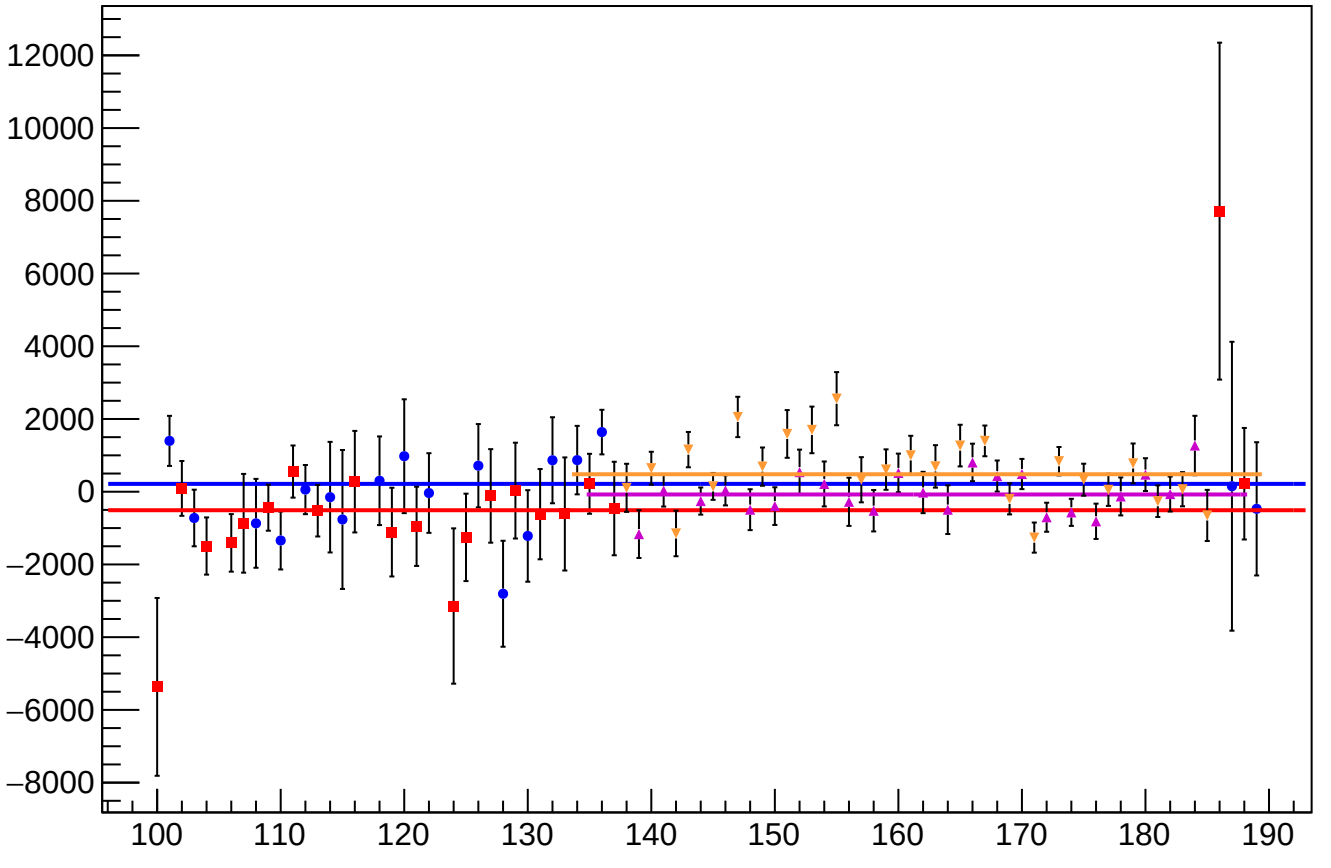
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 58.938+/-0.010 χ^2/NDF: 1245686.7/38

In: 50.593+/-0.007 χ^2/NDF:1474958.5/40

Out: 50.812+/-0.007 χ^2/NDF:2054576.3/45

All: 50.706+/-0.005 χ^2/NDF: 3530020.4/86



Right In: 215.371+/-238.728 χ^2/NDF: 21.8/17

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -508.981+/-224.525 χ^2/NDF: 16.8/20

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

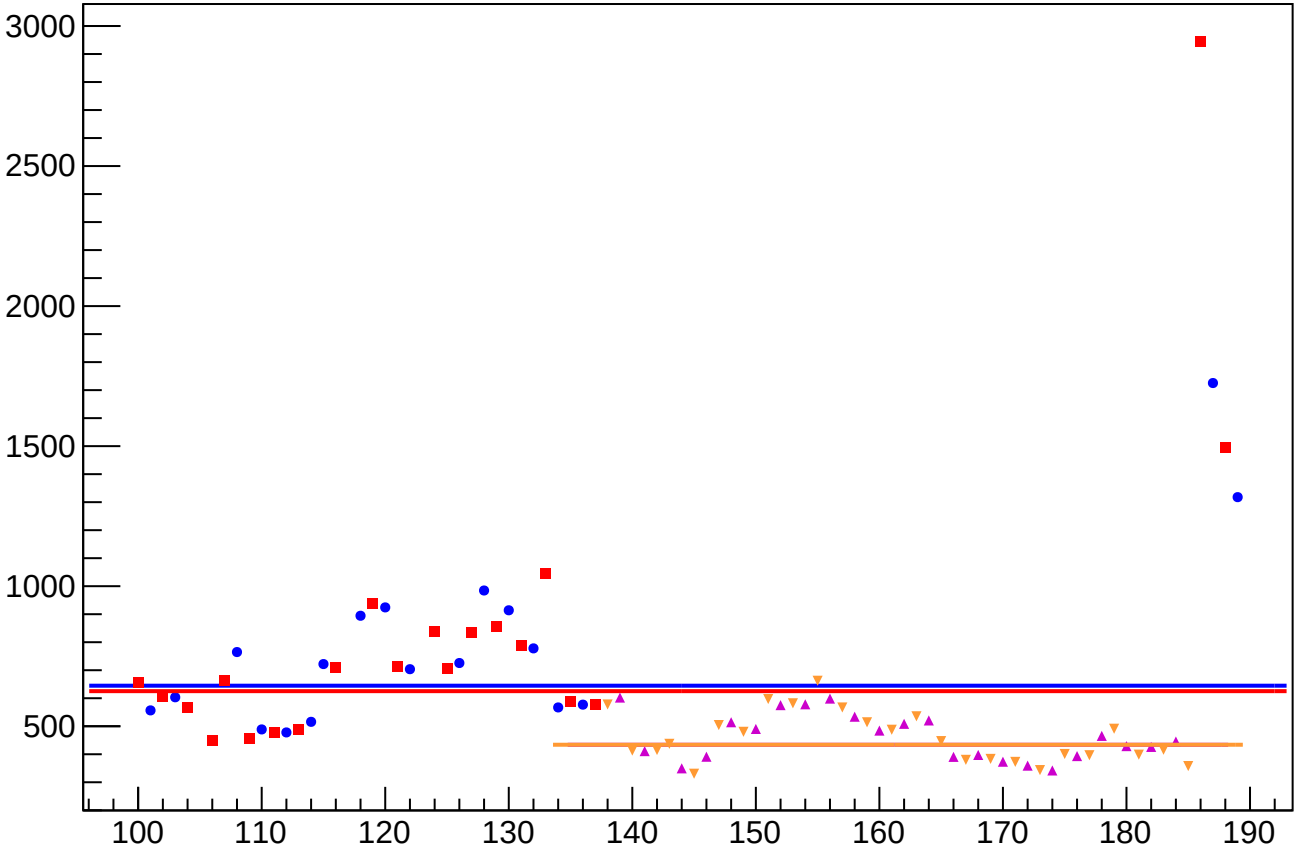
Right: -168.994+/-163.554 χ^2/NDF: 43.4/38

In: -29.892+/-94.672 χ^2/NDF:47.5/40

Out: 315.034+/-91.749 χ^2/NDF:102.2/45

All: 147.978+/-65.886 χ^2/NDF: 156.5/86

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 644.752+/-0.169 χ^2/NDF: 1119183.1/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 625.250+/-0.159 χ^2/NDF: 2041425.4/20

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

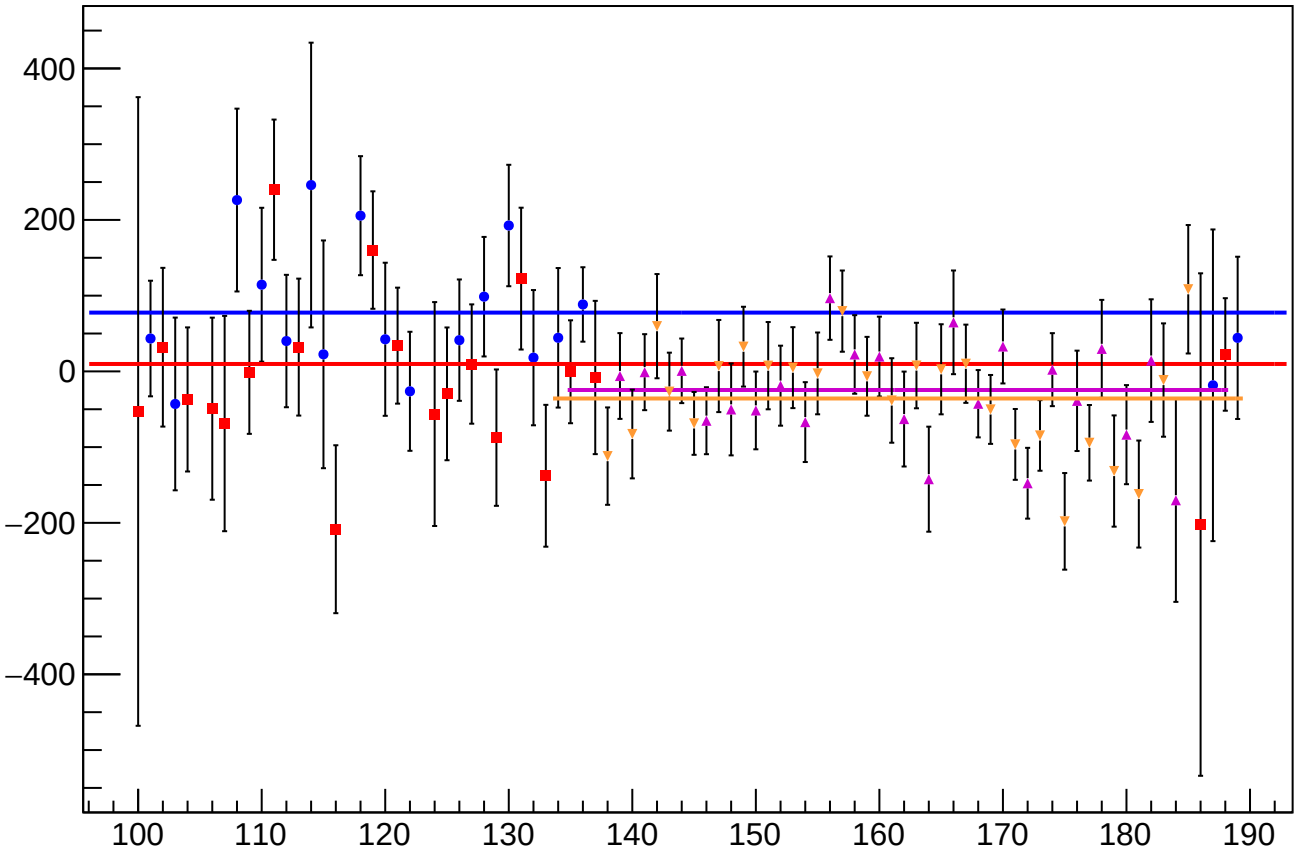
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 634.404+/-0.116 χ^2/NDF: 3167690.8/38

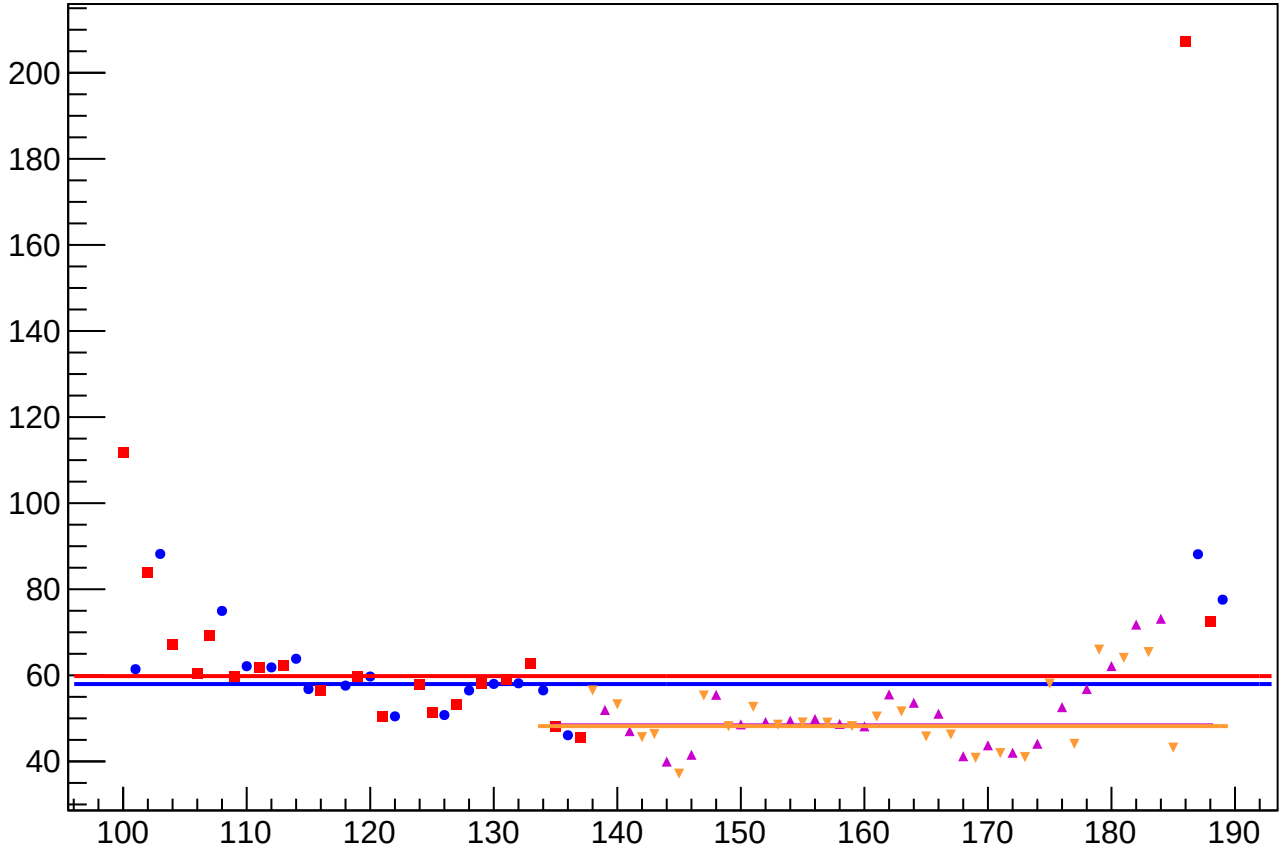
In: 466.910+/-0.067 χ^2/NDF:3531019.9/40

Out: 465.890+/-0.065 χ^2/NDF:4494632.4/45

All: 466.384+/-0.047 χ^2/NDF: 8025771.9/86


cor_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 77.613+/-20.946 χ²/NDF: 11.9/17
Left Out: -35.792+/-11.119 χ²/NDF:33.7/24
Right Out: 9.784+/-20.728 χ²/NDF: 20.8/20
Left In: -24.573+/-11.471 χ²/NDF:25.7/22
Left: -30.357+/-7.984 χ²/NDF: 59.9/47
Right: 43.343+/-14.733 χ²/NDF: 38.0/38
In: -0.997+/-10.061 χ²/NDF:55.9/40
Out: -25.607+/-9.799 χ²/NDF:58.3/45
All: -13.627+/-7.020 χ²/NDF: 117.3/86

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 57.971+/-0.015 χ^2/NDF: 457043.3/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 59.821+/-0.015 χ^2/NDF: 779506.5/20

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

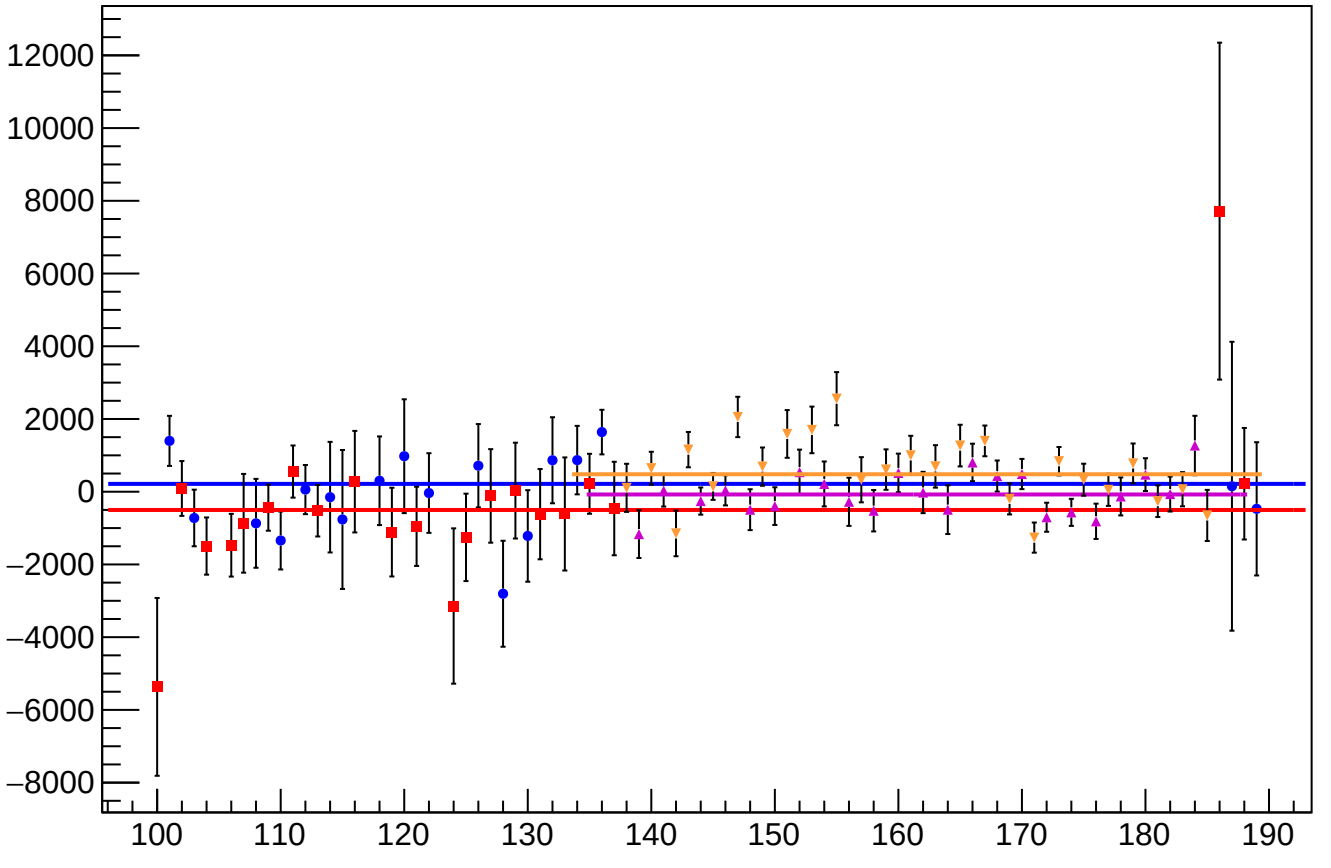
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 58.906+/-0.010 χ^2/NDF: 1244434.3/38

In: 50.593+/-0.007 χ^2/NDF:1474962.5/40

Out: 50.796+/-0.007 χ^2/NDF:2048122.5/45

All: 50.697+/-0.005 χ^2/NDF: 3523500.5/86



Right In: 215.407+/-238.730 χ^2/NDF: 21.8/17

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -502.022+/-225.982 χ^2/NDF: 16.7/20

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

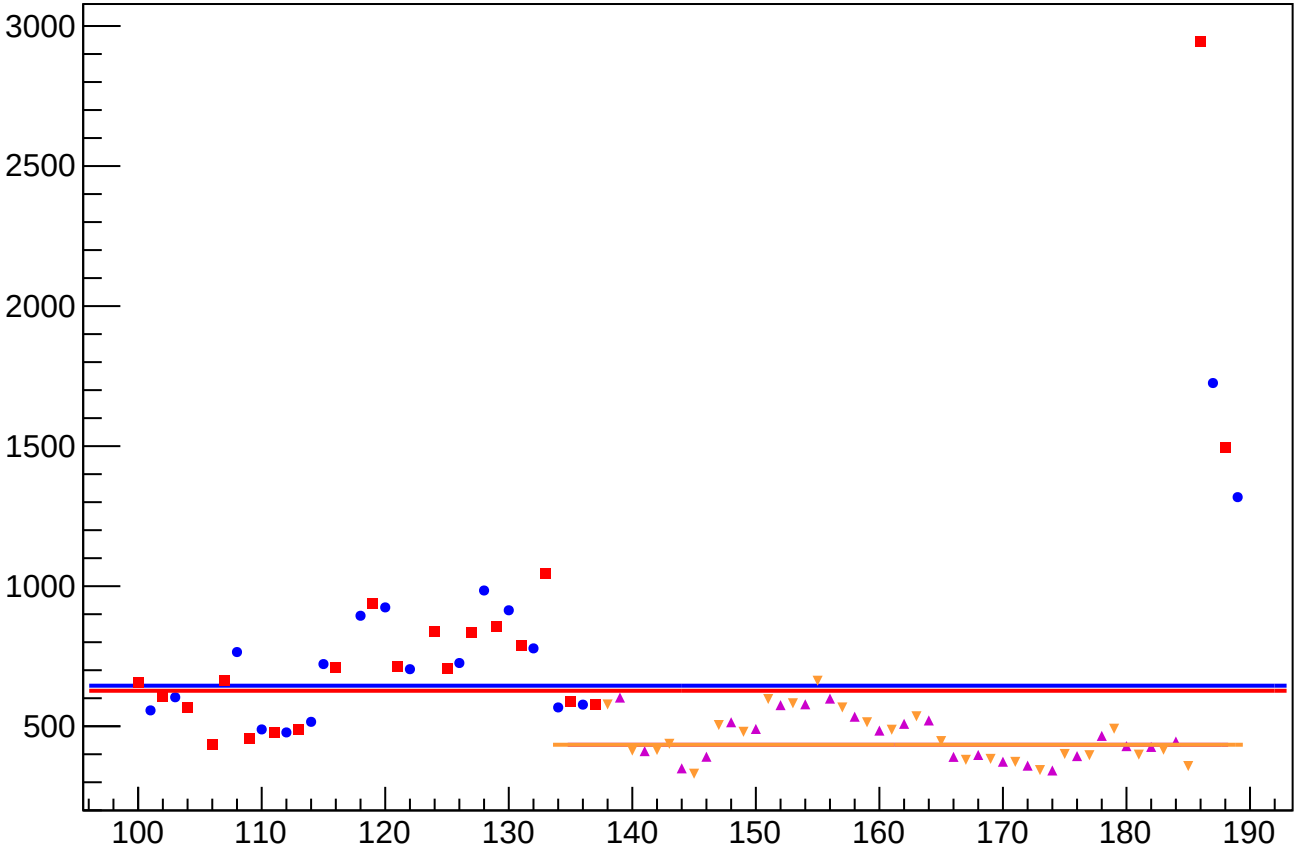
Right: -162.973+/-164.115 χ^2/NDF: 43.3/38

In: -29.890+/-94.672 χ^2/NDF:47.5/40

Out: 317.953+/-91.848 χ^2/NDF:101.7/45

All: 149.298+/-65.922 χ^2/NDF: 156.2/86

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 644.757+/-0.169 χ^2/NDF: 1119169.7/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 626.671+/-0.160 χ^2/NDF: 2038387.6/20

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

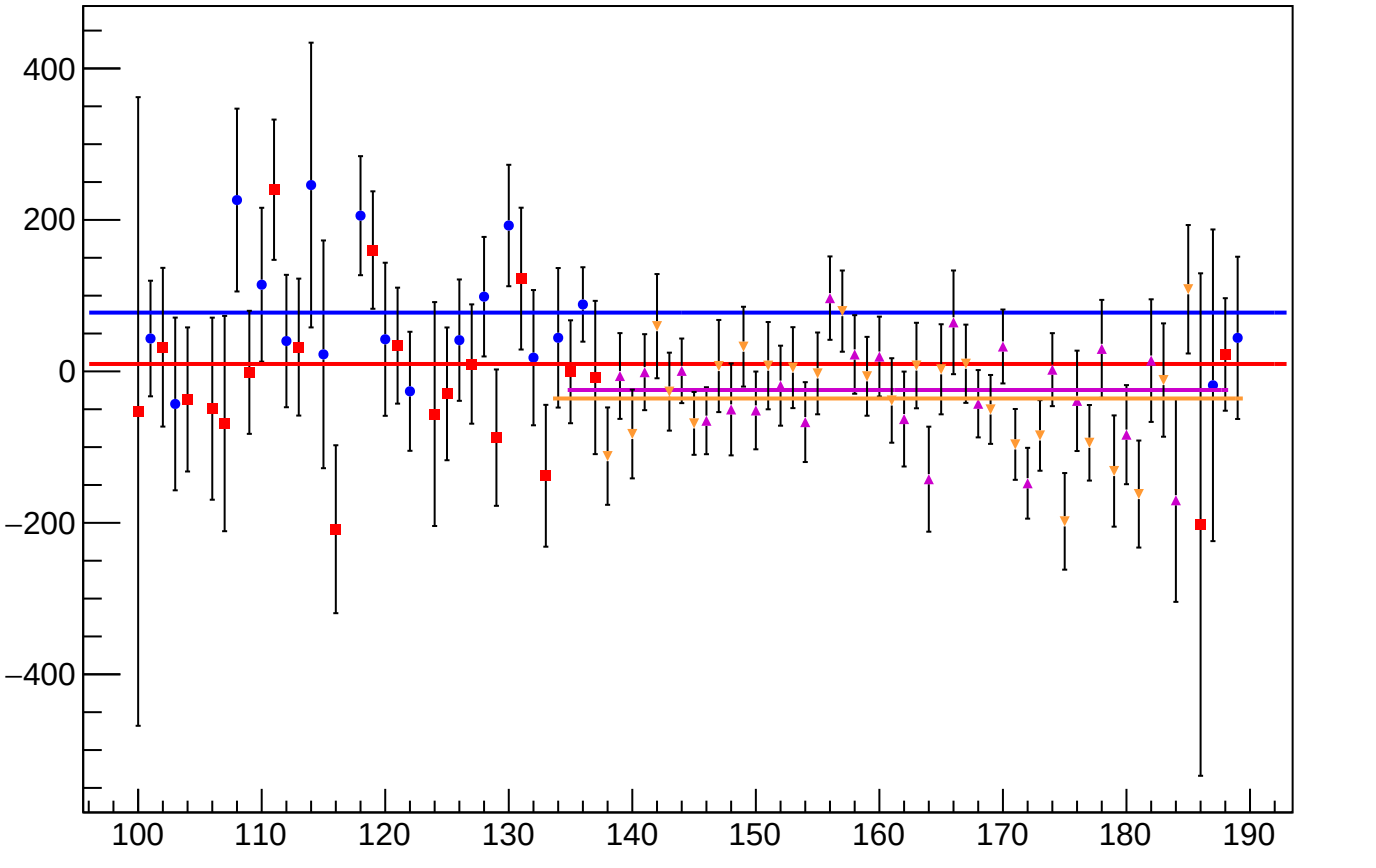
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

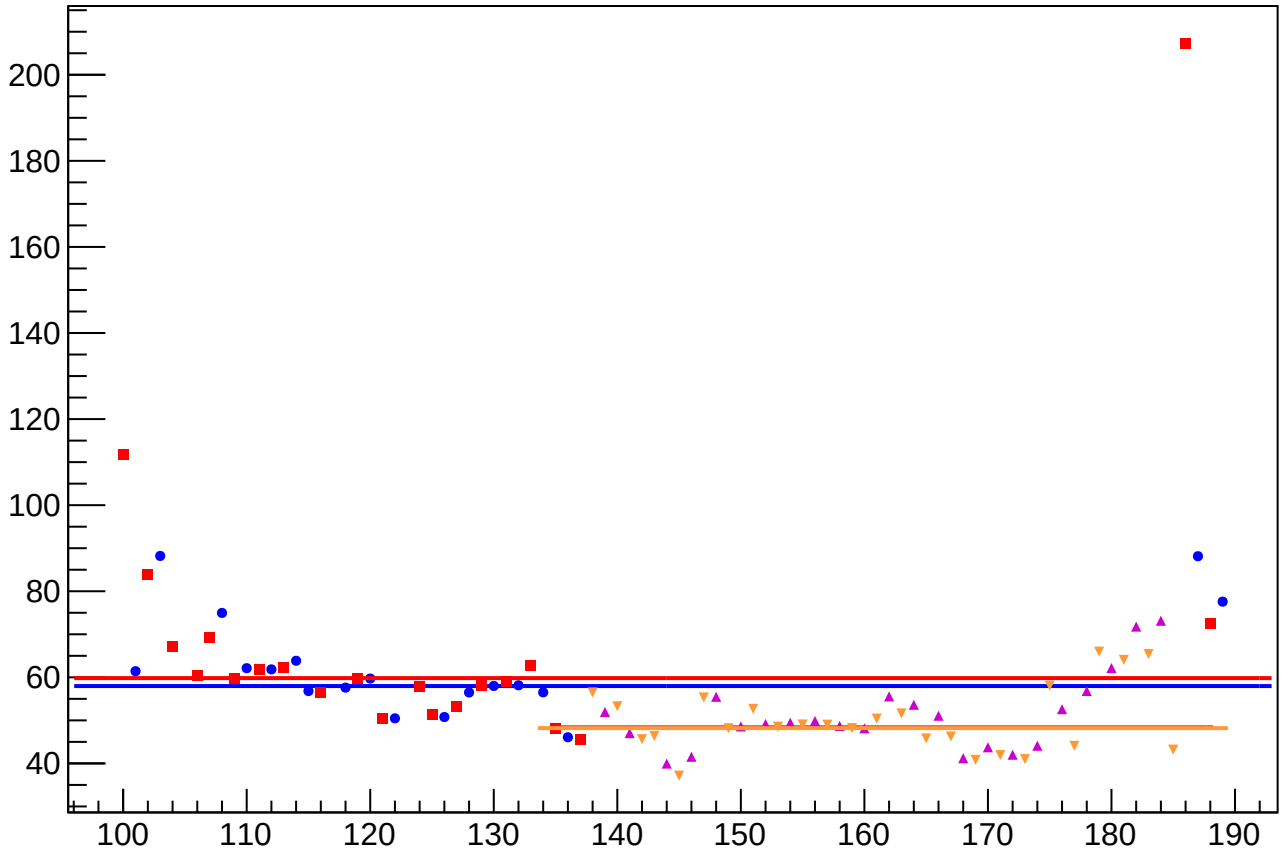
Right: 635.218+/-0.116 χ^2/NDF: 3163611.0/38

In: 466.910+/-0.067 χ^2/NDF:3531049.4/40

Out: 465.782+/-0.065 χ^2/NDF:4496456.5/45

All: 466.329+/-0.047 χ^2/NDF: 8027652.2/86


eigen_cor_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 77.613+/-20.946 χ²/NDF: 11.9/17
Left Out: -35.792+/-11.119 χ²/NDF:33.7/24
Right Out: 9.784+/-20.728 χ²/NDF: 20.8/20
Left In: -24.573+/-11.471 χ²/NDF:25.7/22
Left: -30.357+/-7.984 χ²/NDF: 59.9/47
Right: 43.343+/-14.733 χ²/NDF: 38.0/38
In: -0.997+/-10.061 χ²/NDF:55.9/40
Out: -25.607+/-9.799 χ²/NDF:58.3/45
All: -13.627+/-7.020 χ²/NDF: 117.3/86



Right In: 57.971+/-0.015 χ^2/NDF: 457043.3/17

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 59.821+/-0.015 χ^2/NDF: 779506.5/20

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

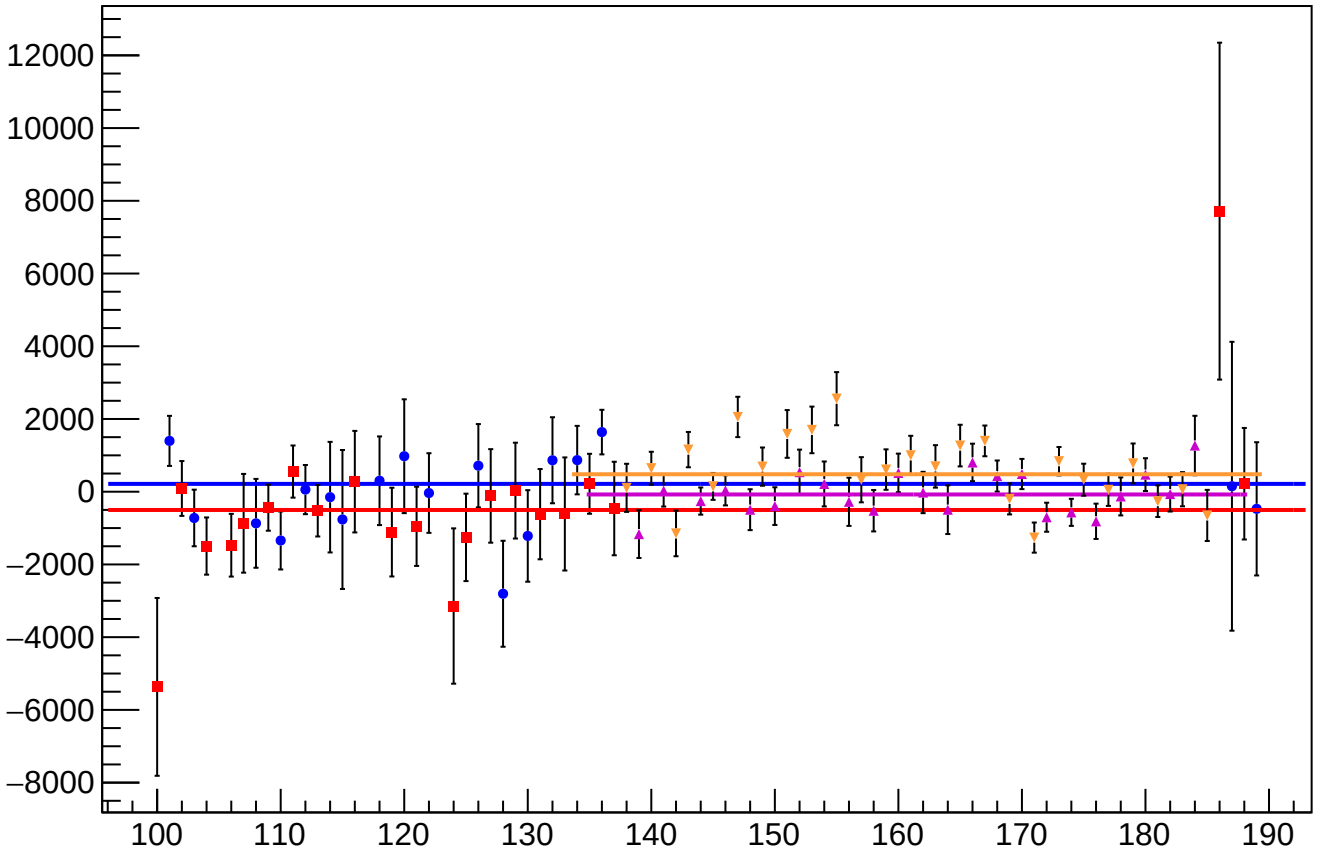
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 58.906+/-0.010 χ^2/NDF: 1244434.3/38

In: 50.593+/-0.007 χ^2/NDF:1474962.5/40

Out: 50.796+/-0.007 χ^2/NDF:2048122.5/45

All: 50.697+/-0.005 χ^2/NDF: 3523500.5/86



Right In: 215.407+/-238.730 χ^2/NDF: 21.8/17

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -502.022+/-225.982 χ^2/NDF: 16.7/20

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

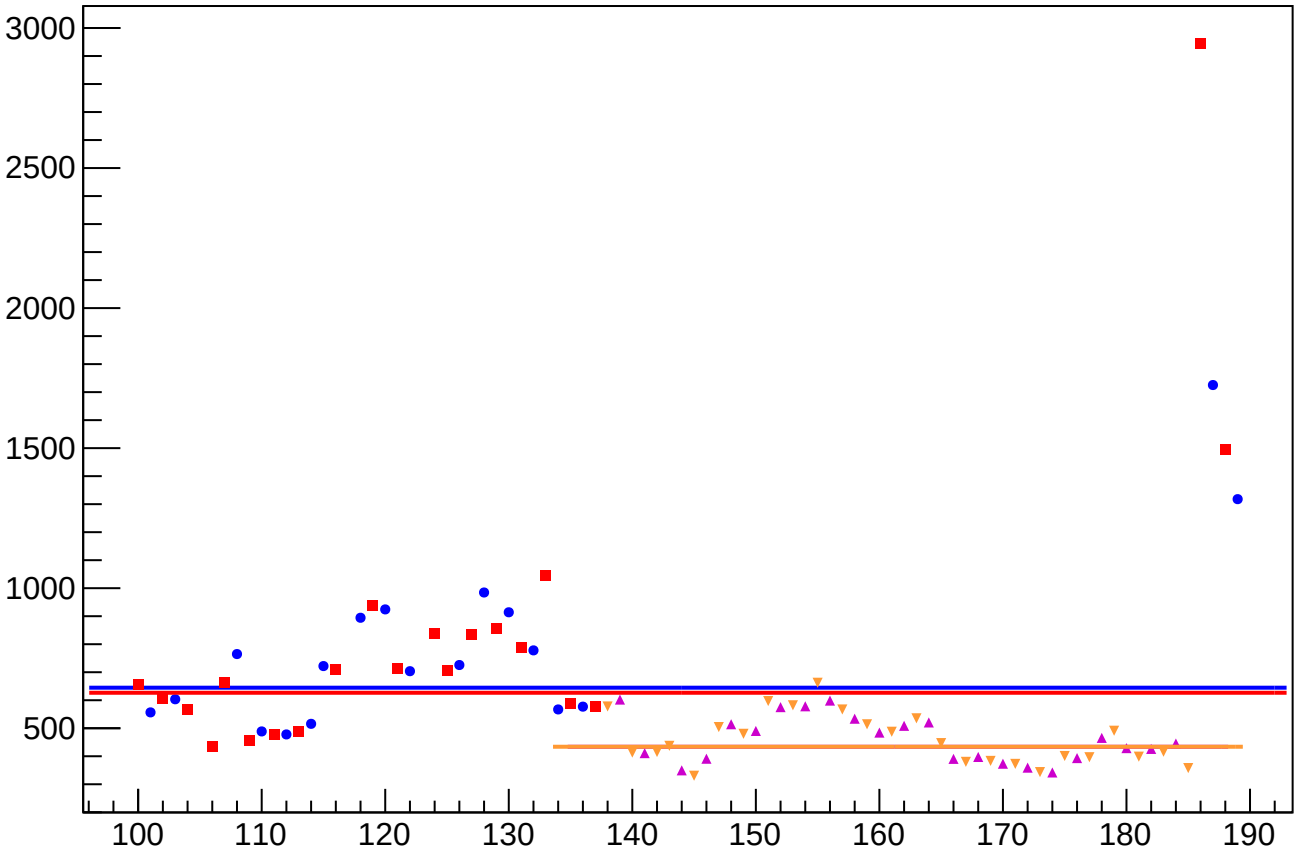
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -162.973+/-164.115 χ^2/NDF: 43.3/38

In: -29.890+/-94.672 χ^2/NDF:47.5/40

Out: 317.953+/-91.848 χ^2/NDF:101.7/45

All: 149.298+/-65.922 χ^2/NDF: 156.2/86



Right In: 644.757+/-0.169 χ^2/NDF: 1119169.7/17

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 626.671+/-0.160 χ^2/NDF: 2038387.6/20

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

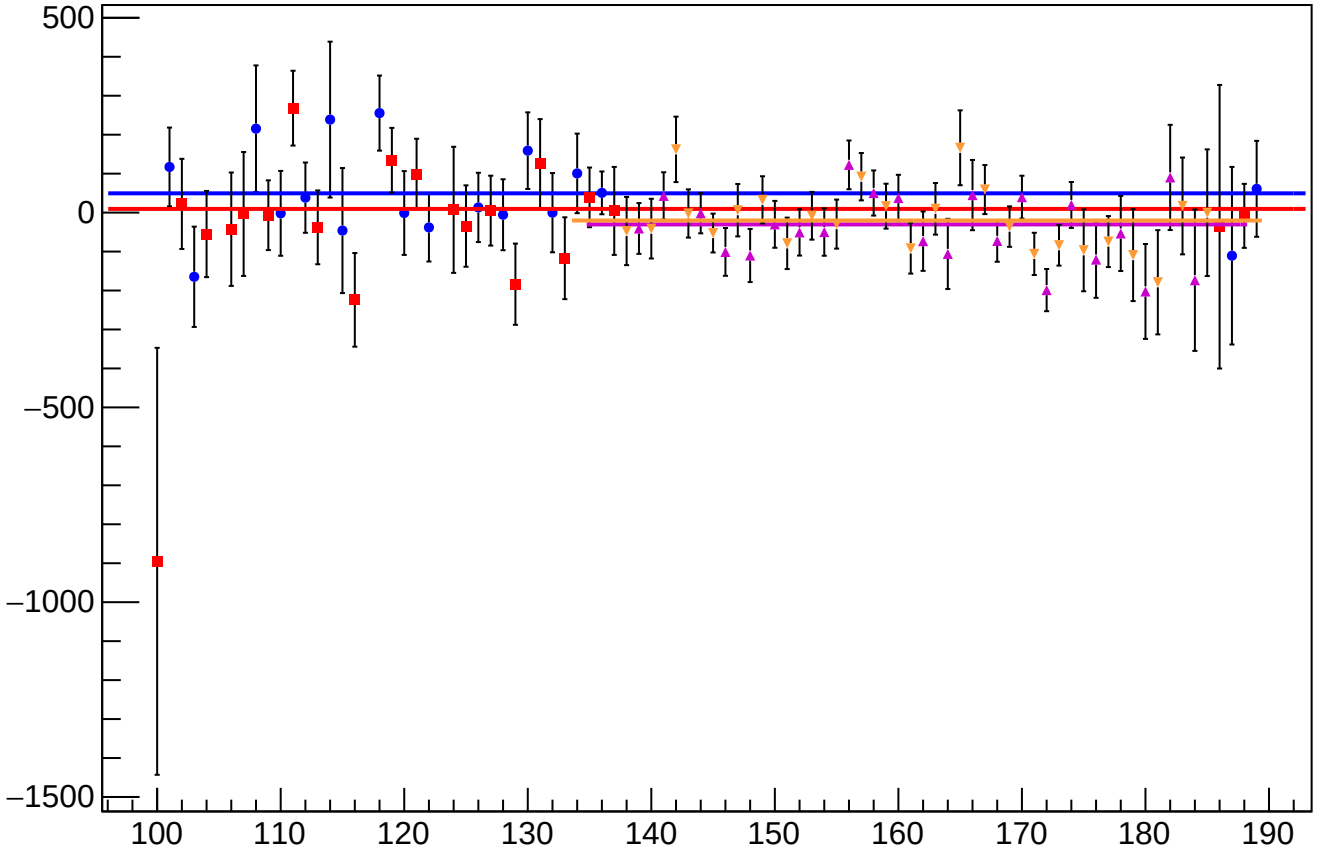
Right: 635.218+/-0.116 χ^2/NDF: 3163611.0/38

In: 466.910+/-0.067 χ^2/NDF:3531049.4/40

Out: 465.782+/-0.065 χ^2/NDF:4496456.5/45

All: 466.329+/-0.047 χ^2/NDF: 8027652.2/86

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 49.470+/-23.889 χ^2/NDF: 14.3/17

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 9.491+/-23.275 χ^2/NDF: 24.1/20

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

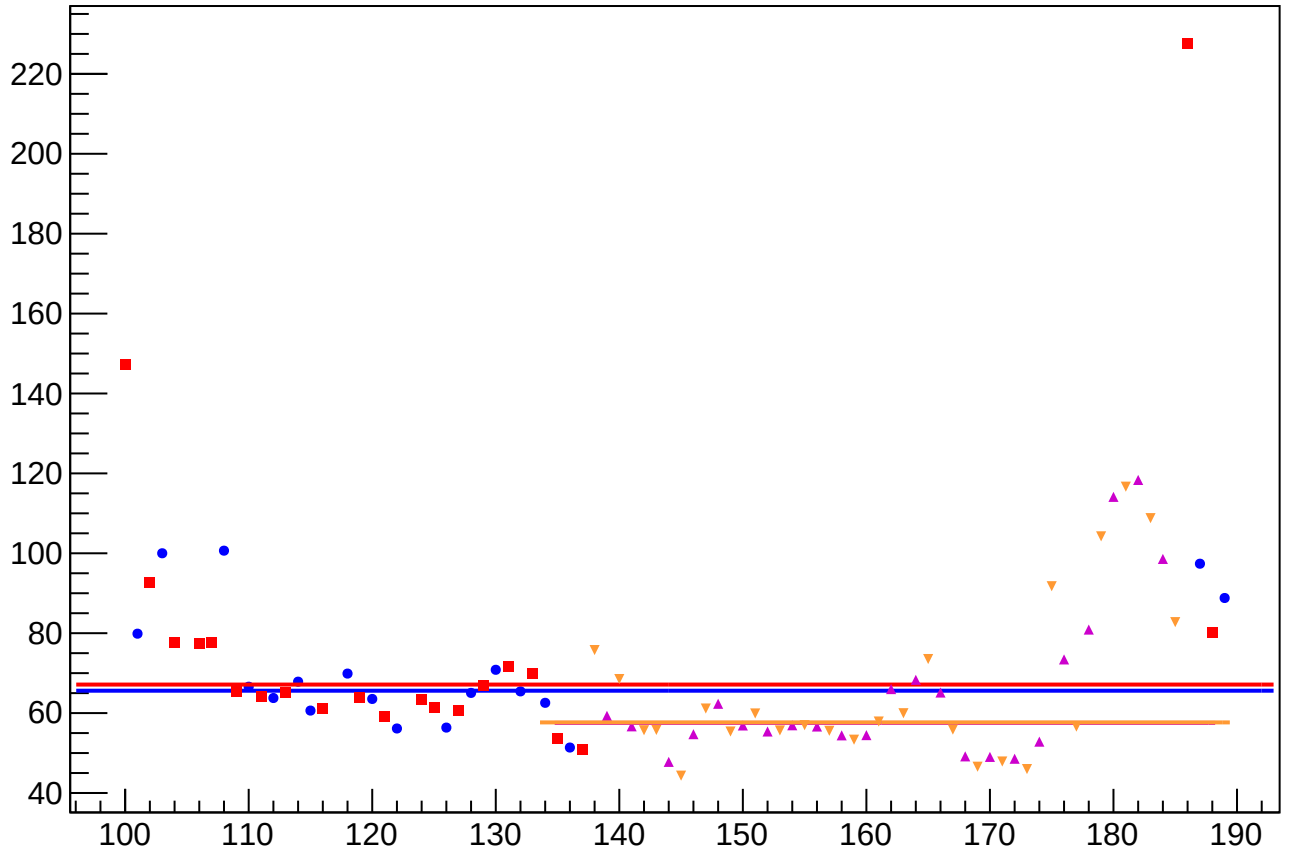
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 28.960+/-16.671 χ^2/NDF: 39.8/38

In: -9.967+/-12.065 χ^2/NDF:55.2/40

Out: -12.665+/-11.766 χ^2/NDF:50.4/45

All: -11.350+/-8.423 χ^2/NDF: 105.7/86



Right In: 65.603+/-0.017 χ^2/NDF: 580440.3/17

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 67.141+/-0.016 χ^2/NDF: 770096.0/20

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

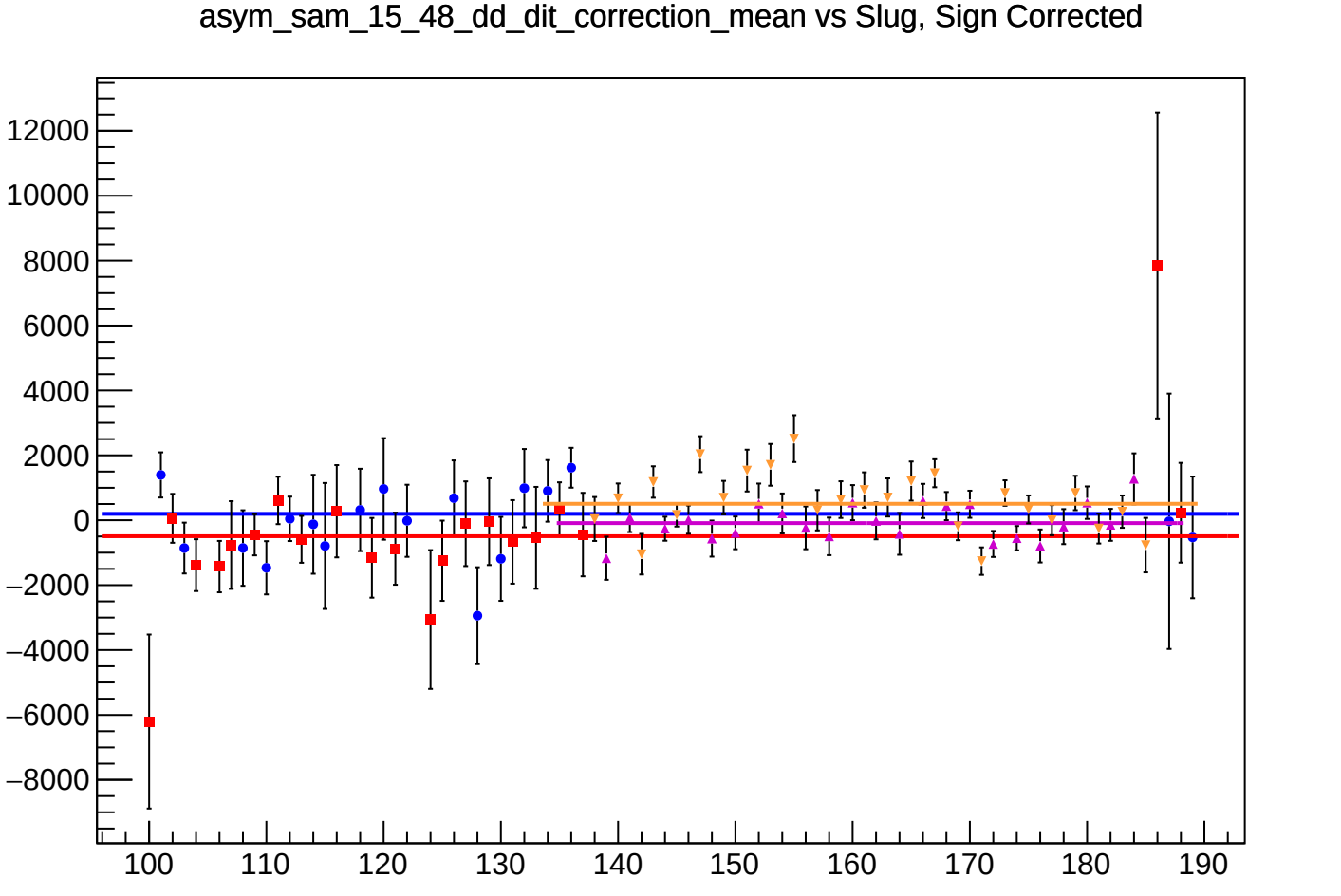
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 66.392+/-0.012 χ^2/NDF: 1354789.6/38

In: 59.596+/-0.009 χ^2/NDF:2193446.8/40

Out: 60.089+/-0.008 χ^2/NDF:2926445.6/45

All: 59.849+/-0.006 χ^2/NDF: 5121601.6/86



Right In: 196.872+/-241.309 χ^2/NDF: 22.6/17

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -492.699+/-226.893 χ^2/NDF: 17.2/20

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

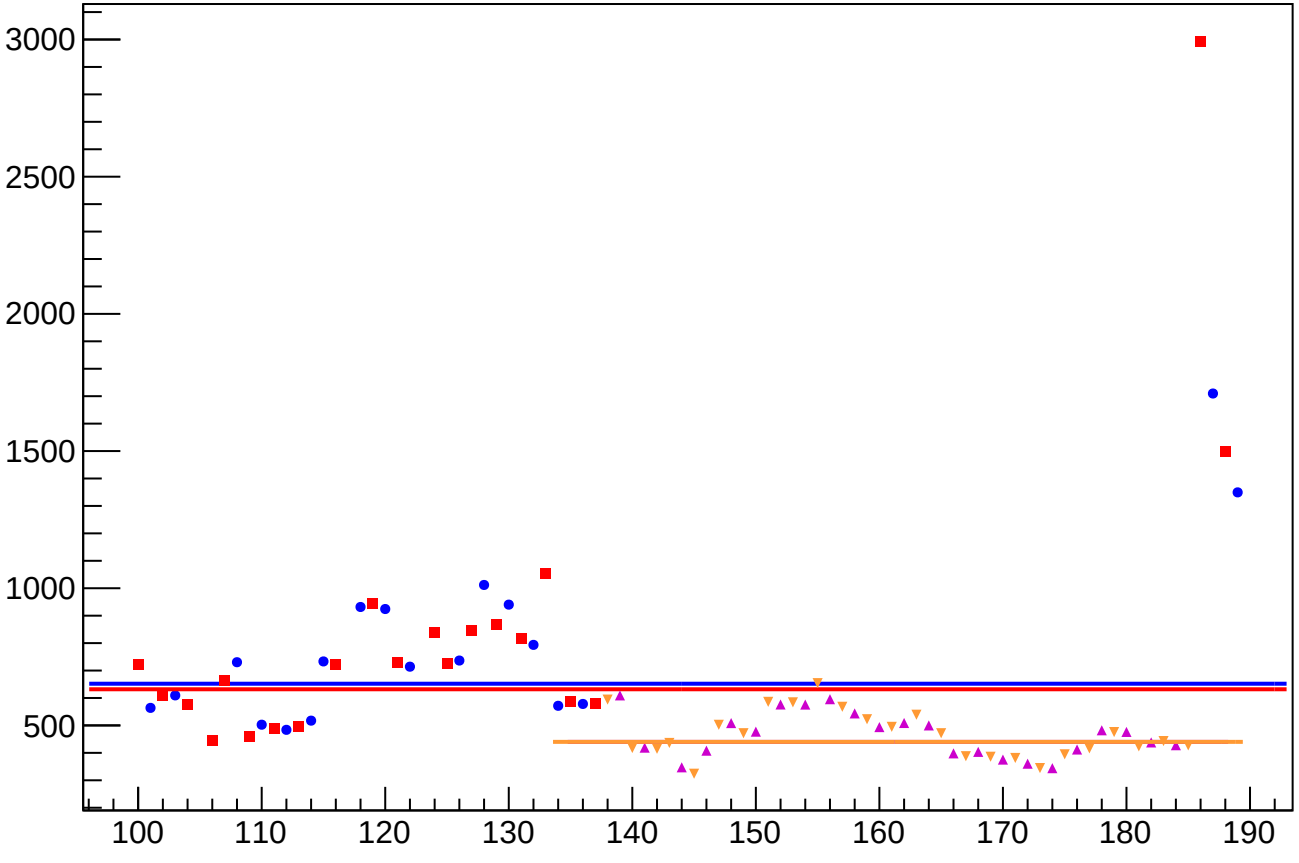
Right: -169.126+/-165.299 χ^2/NDF: 44.1/38

In: -43.380+/-95.926 χ^2/NDF:47.1/40

Out: 339.685+/-92.862 χ^2/NDF:99.2/45

All: 154.370+/-66.720 χ^2/NDF: 154.5/86

asym_sam_15_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 651.988+/-0.171 χ^2/NDF: 1134734.1/17

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 631.755+/-0.160 χ^2/NDF: 2054593.5/20

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

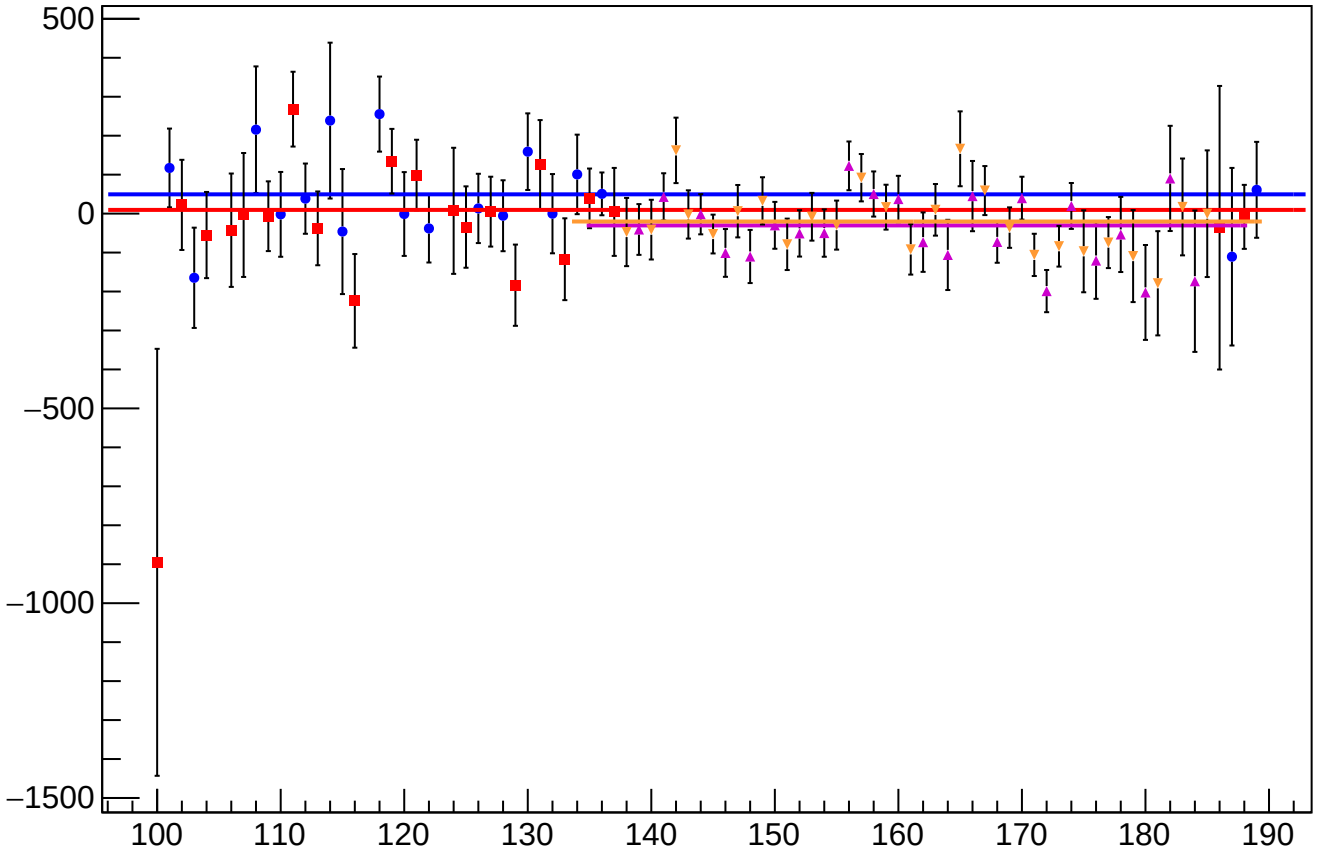
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 641.249+/-0.117 χ^2/NDF: 3196791.1/38

In: 473.396+/-0.068 χ^2/NDF:3497739.8/40

Out: 472.183+/-0.066 χ^2/NDF:4439862.7/45

All: 472.770+/-0.047 χ^2/NDF: 7937767.7/86



Right In: 49.468+/-23.889 χ^2/NDF: 14.3/17

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 9.490+/-23.275 χ^2/NDF: 24.1/20

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

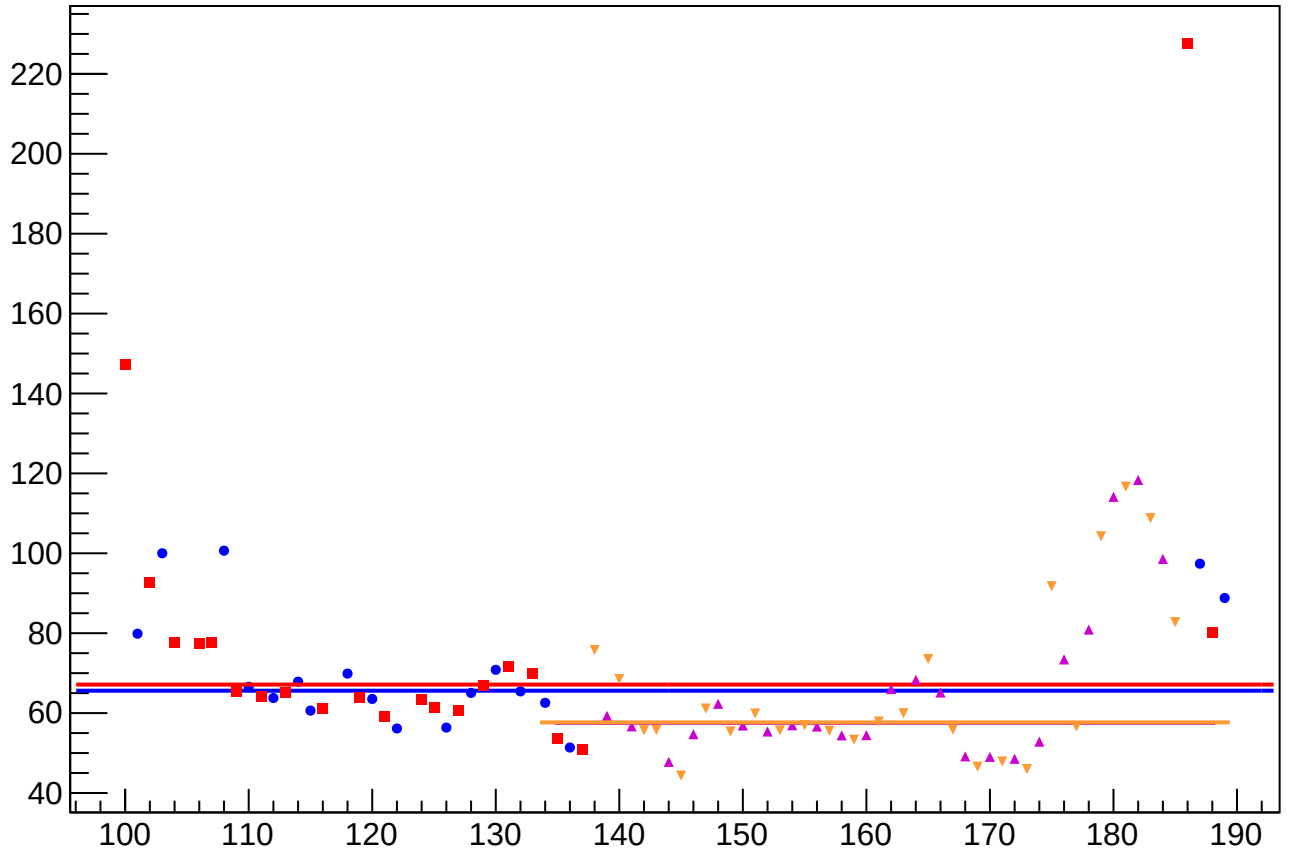
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 28.959+/-16.671 χ^2/NDF: 39.8/38

In: -9.967+/-12.065 χ^2/NDF:55.2/40

Out: -12.666+/-11.766 χ^2/NDF:50.4/45

All: -11.350+/-8.423 χ^2/NDF: 105.7/86



Right In: 65.602+/-0.017 χ^2/NDF: 580436.3/17

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 67.140+/-0.016 χ^2/NDF: 770105.9/20

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

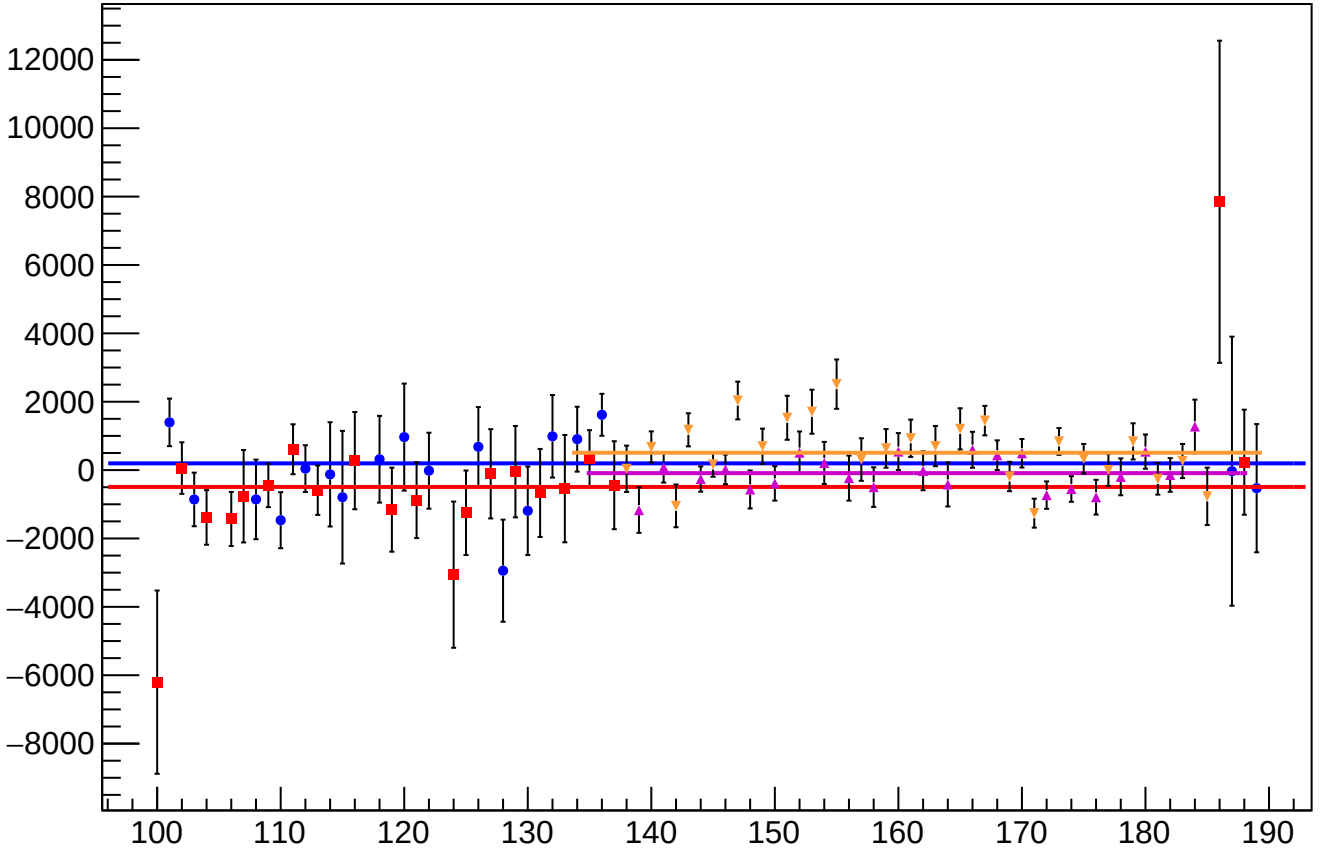
Right: 66.391+/-0.012 χ^2/NDF: 1354795.4/38

In: 59.596+/-0.009 χ^2/NDF:2193419.6/40

Out: 60.089+/-0.008 χ^2/NDF:2926438.9/45

All: 59.849+/-0.006 χ^2/NDF: 5121568.0/86

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 196.872+/-241.309 χ^2/NDF: 22.6/17

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -492.698+/-226.892 χ^2/NDF: 17.2/20

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

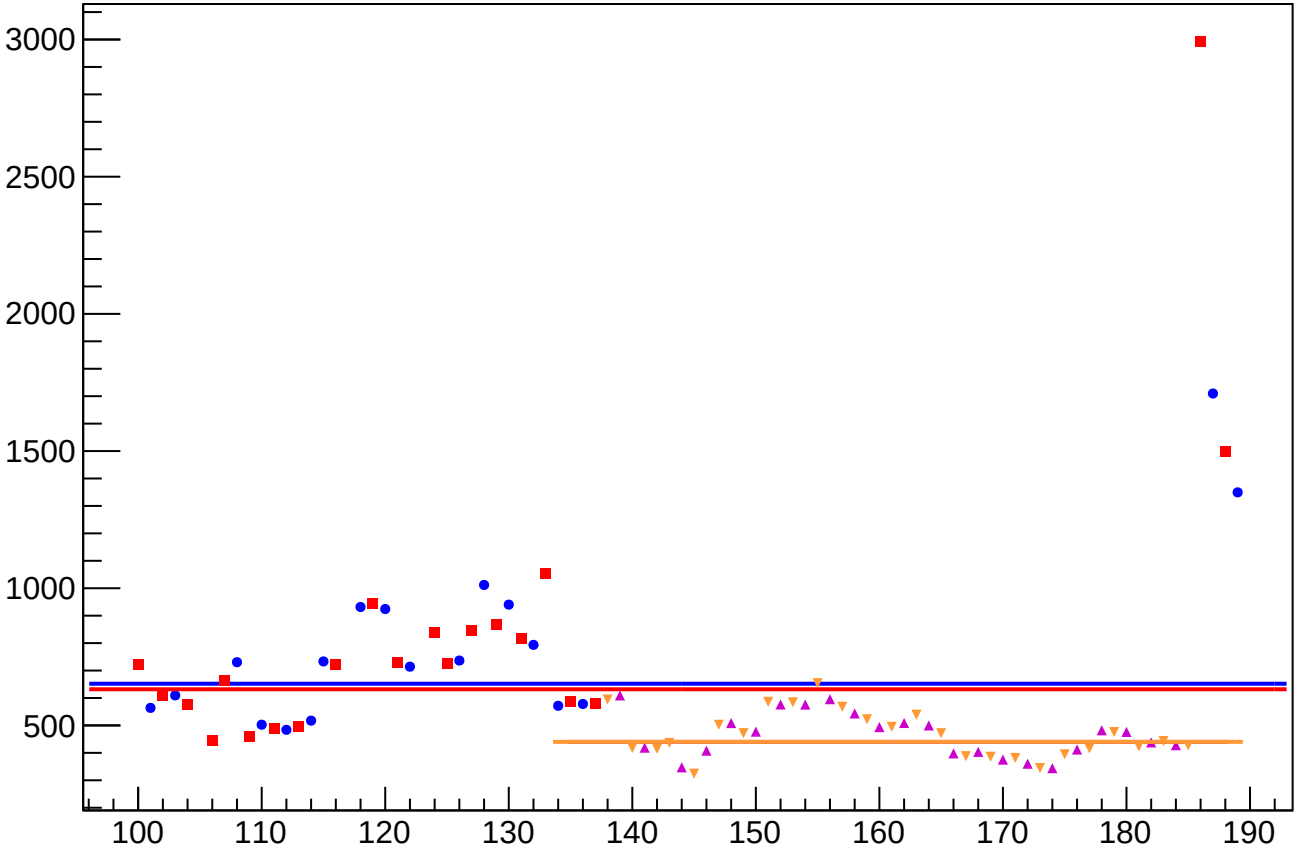
Right: -169.126+/-165.299 χ^2/NDF: 44.1/38

In: -43.380+/-95.926 χ^2/NDF:47.1/40

Out: 339.685+/-92.862 χ^2/NDF:99.2/45

All: 154.369+/-66.720 χ^2/NDF: 154.5/86

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 651.988+/-0.171 χ^2/NDF: 1134736.7/17

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 631.754+/-0.160 χ^2/NDF: 2054594.8/20

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

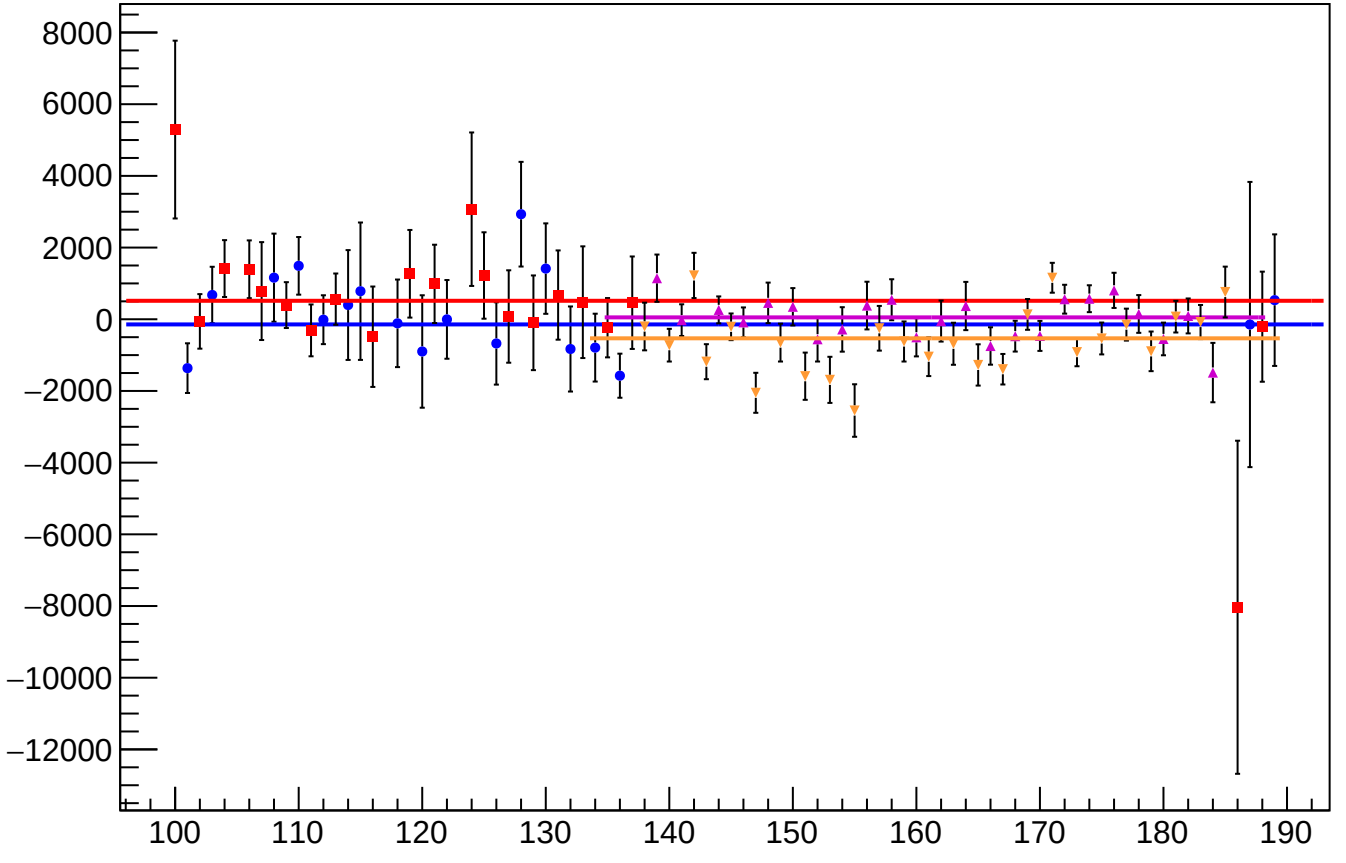
Right: 641.248+/-0.117 χ^2/NDF: 3196795.0/38

In: 473.395+/-0.068 χ^2/NDF:3497757.7/40

Out: 472.182+/-0.066 χ^2/NDF:4439879.4/45

All: 472.769+/-0.047 χ^2/NDF: 7937802.2/86

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -143.833+/-240.065 χ^2/NDF: 22.6/17

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 515.369+/-226.121 χ^2/NDF: 15.8/20

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

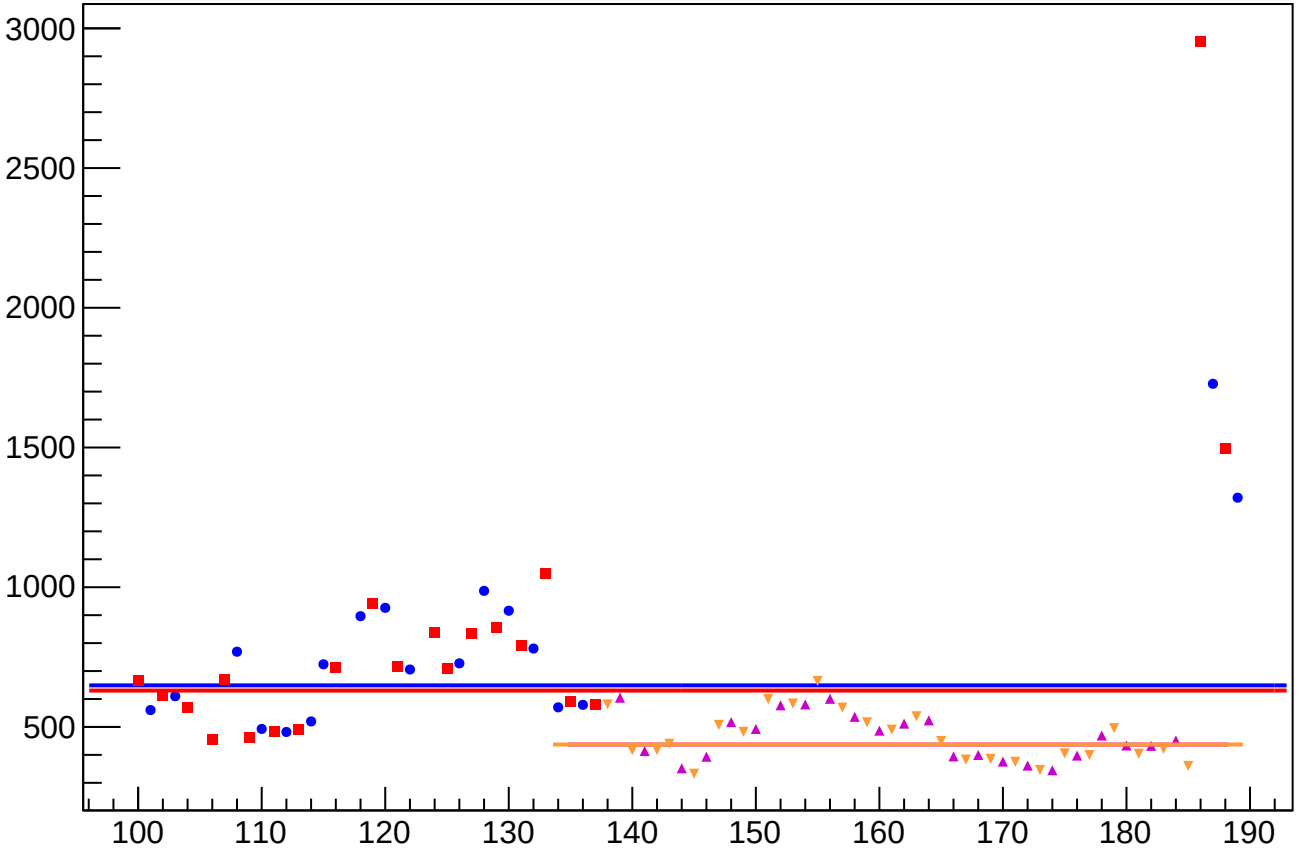
Right: 205.468+/-164.601 χ^2/NDF: 42.4/38

In: 21.586+/-95.329 χ^2/NDF:47.3/40

Out: -356.732+/-92.405 χ^2/NDF:99.2/45

All: -173.464+/-66.350 χ^2/NDF: 154.6/86

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 648.714+/-0.170 χ^2/NDF: 1104600.4/17

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 630.248+/-0.160 χ^2/NDF: 2013297.7/20

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

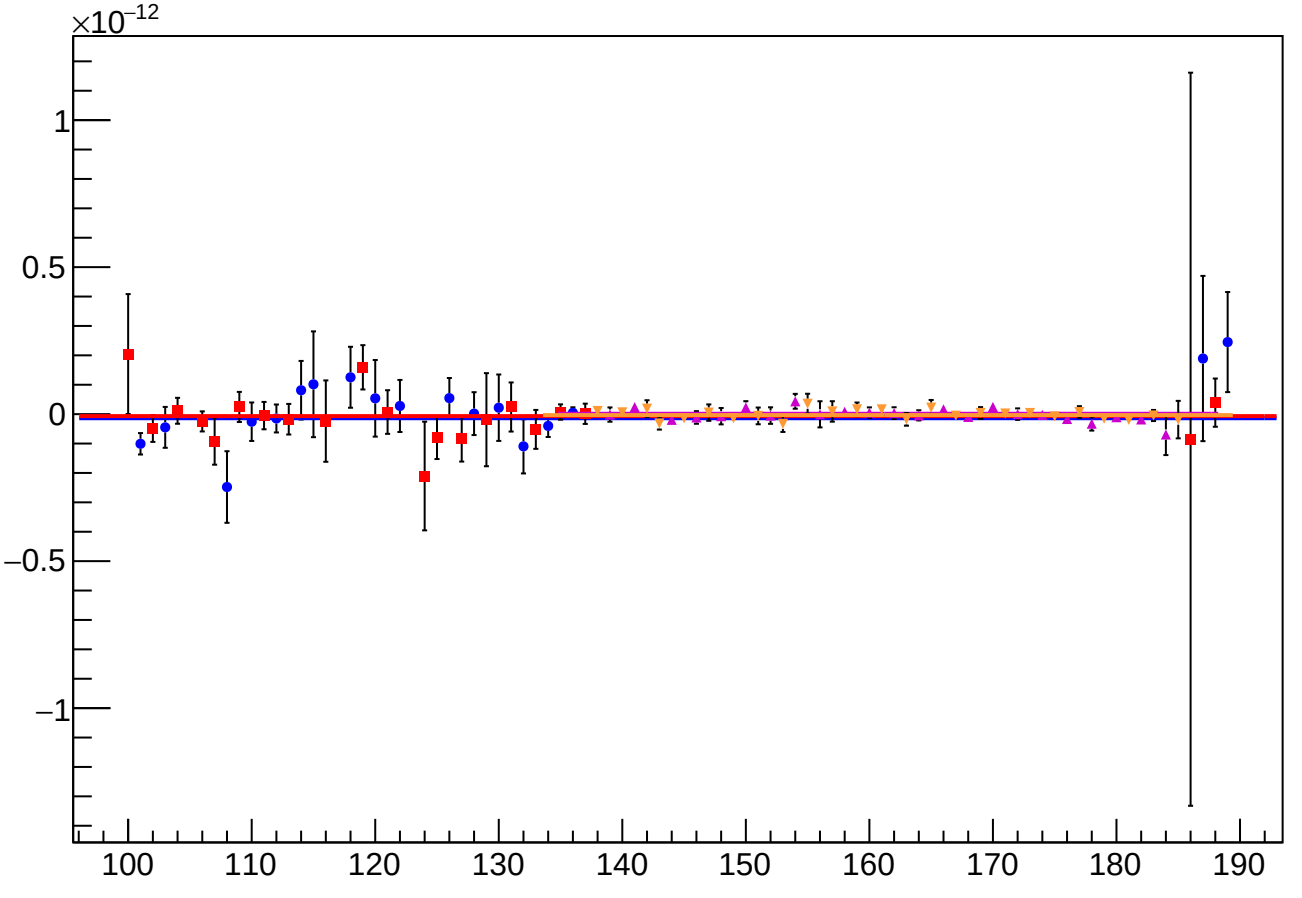
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 638.929+/-0.116 χ^2/NDF: 3124169.0/38

In: 470.332+/-0.067 χ^2/NDF:3495641.5/40

Out: 469.403+/-0.065 χ^2/NDF:4455588.9/45

All: 469.853+/-0.047 χ^2/NDF: 7951328.3/86



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

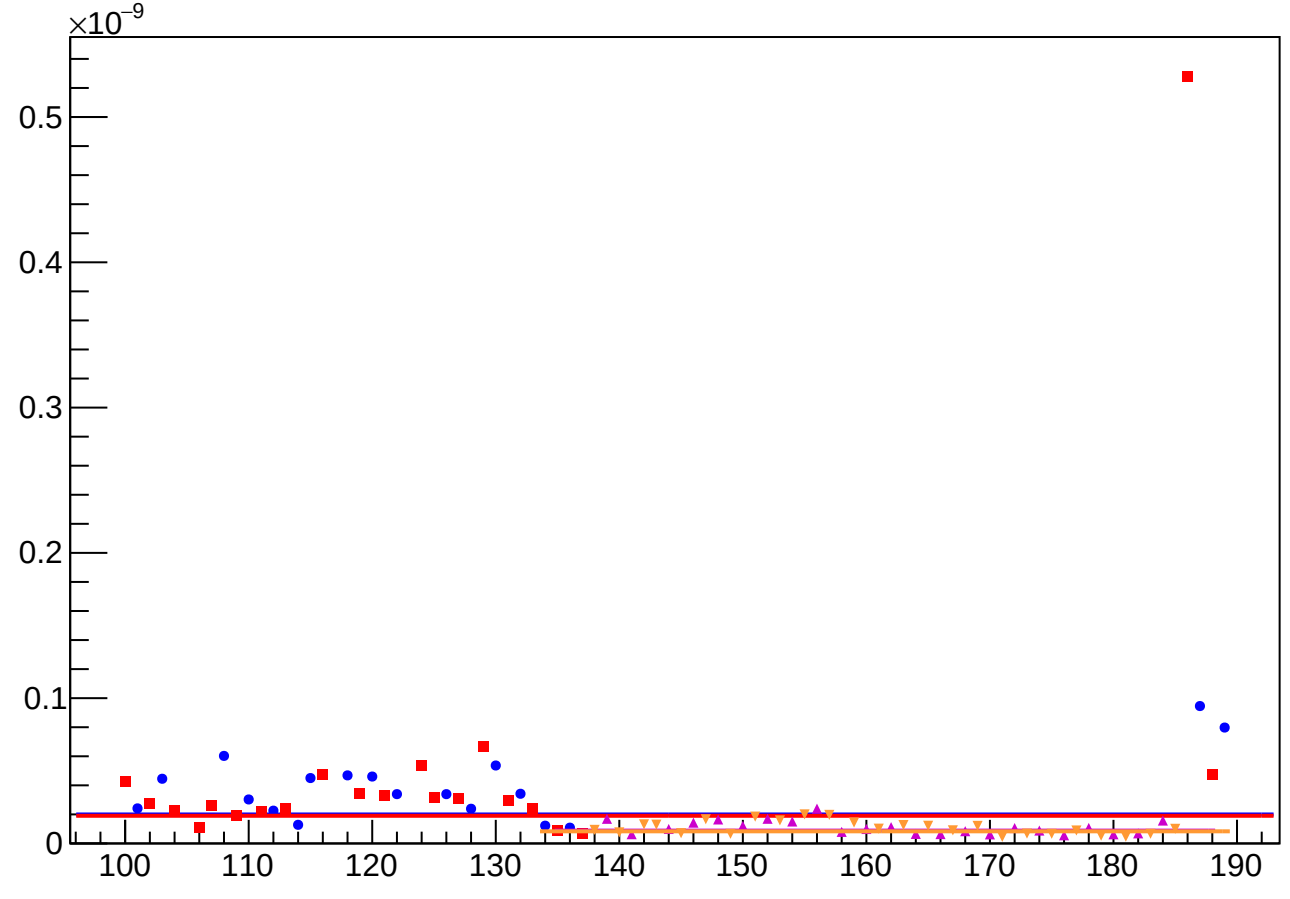
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 33.2/38

In: 0.000+/-0.000 χ^2/NDF:43.2/40

Out: -0.000+/-0.000 χ^2/NDF:27.7/45

All: -0.000+/-0.000 χ^2/NDF: 71.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 2126523.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2019176.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

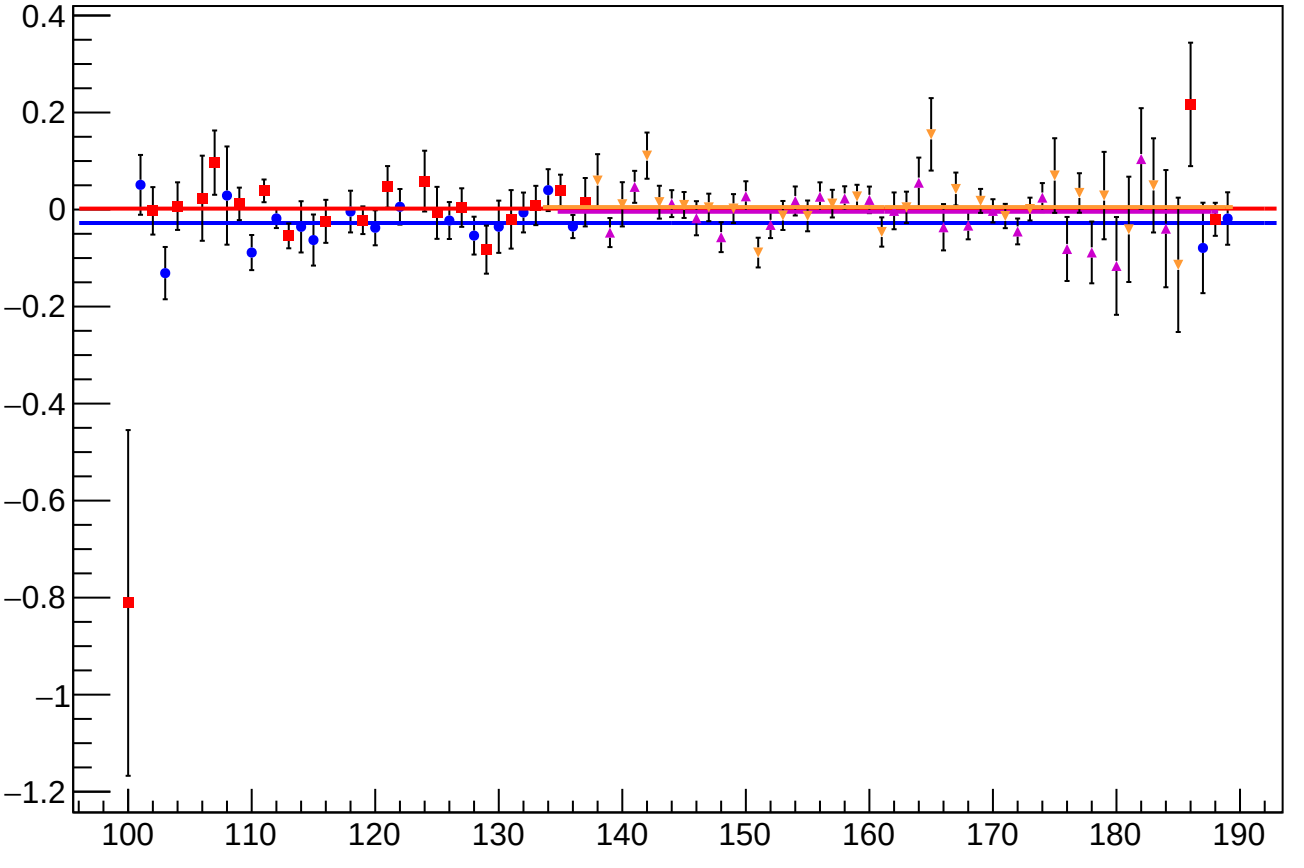
Right: 0.000+/-0.000 χ^2/NDF: 4150961.6/38

In: 0.000+/-0.000 χ^2/NDF:5213229.5/40

Out: 0.000+/-0.000 χ^2/NDF:5690168.0/45

All: 0.000+/-0.000 χ^2/NDF: 10929350.8/86

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

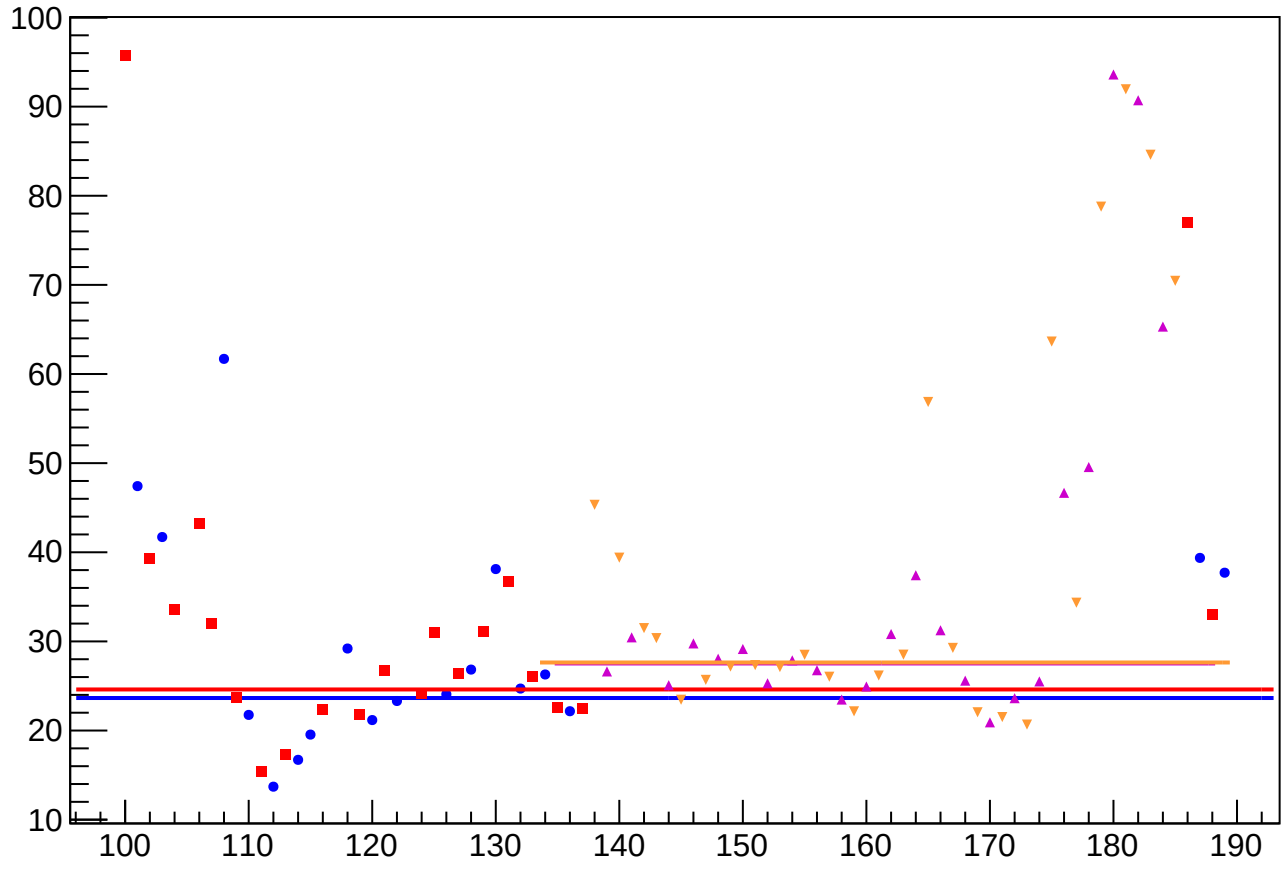
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.006 χ^2/NDF: 44.7/38

In: -0.013+/-0.006 χ^2/NDF:43.1/40

Out: 0.004+/-0.005 χ^2/NDF:53.9/45

All: -0.004+/-0.004 χ^2/NDF: 101.7/86



Right In: 23.649+/-0.007 χ^2/NDF: 1764182.9/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 24.609+/-0.006 χ^2/NDF: 1569087.3/20

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

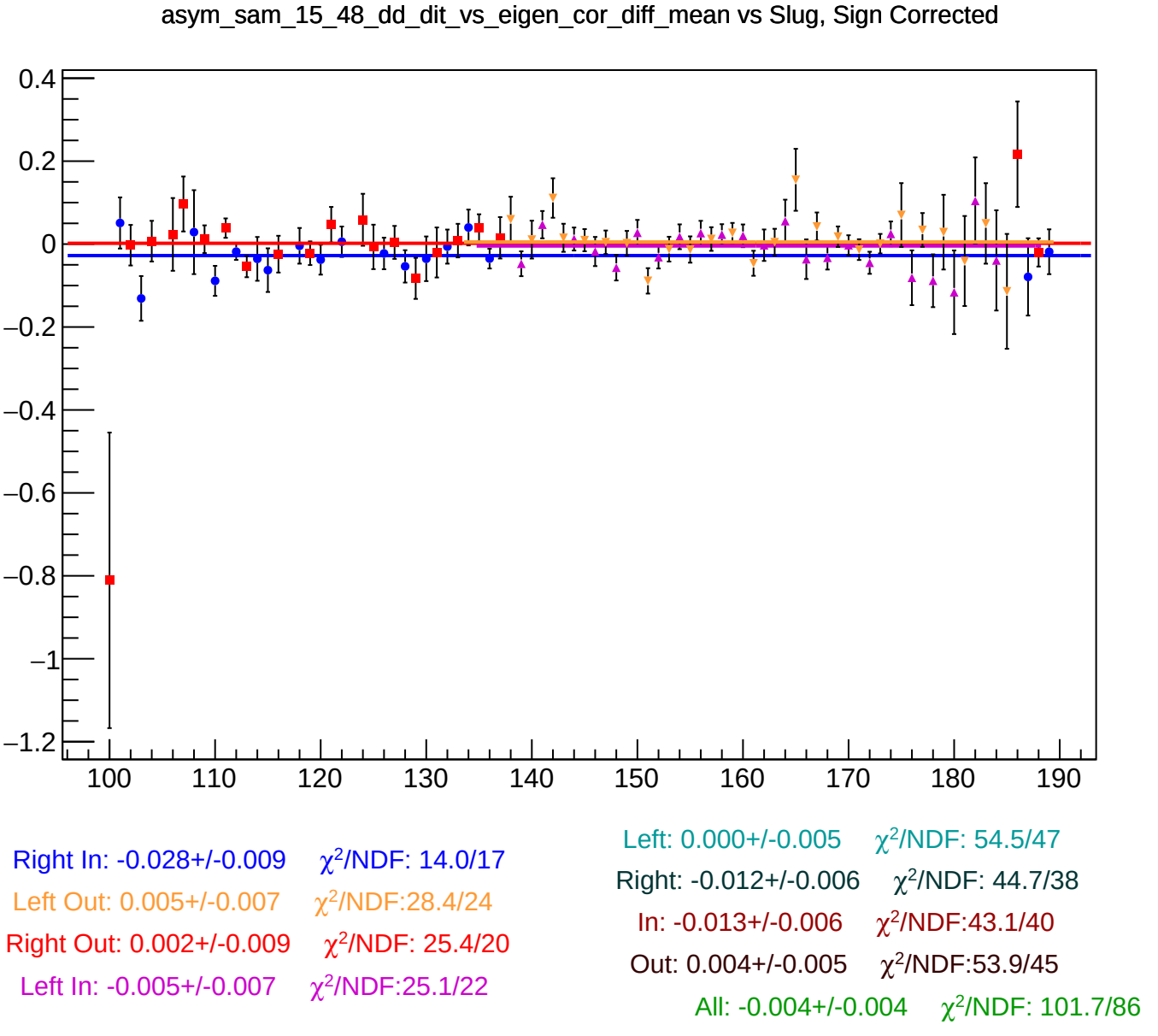
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

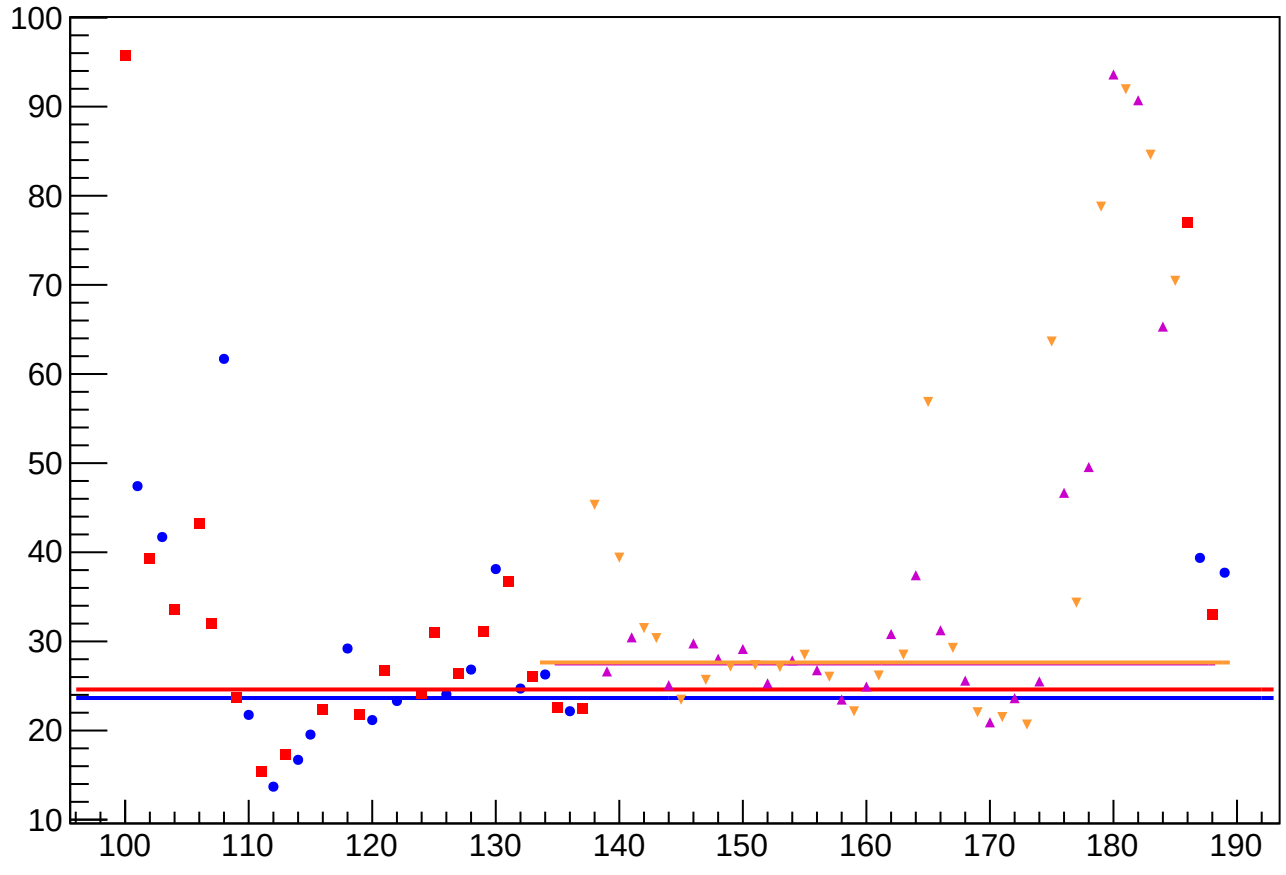
Right: 24.143+/-0.005 χ^2/NDF: 3344453.8/38

In: 26.110+/-0.004 χ^2/NDF:4623533.4/40

Out: 26.516+/-0.004 χ^2/NDF:5687491.3/45

All: 26.318+/-0.003 χ^2/NDF: 10316474.2/86


asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.028+/-0.009 χ²/NDF: 14.0/17
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: 0.002+/-0.009 χ²/NDF: 25.4/20
Left In: -0.005+/-0.007 χ²/NDF:25.1/22
Left: 0.000+/-0.005 χ²/NDF: 54.5/47
Right: -0.012+/-0.006 χ²/NDF: 44.7/38
In: -0.013+/-0.006 χ²/NDF:43.1/40
Out: 0.004+/-0.005 χ²/NDF:53.9/45
All: -0.004+/-0.004 χ²/NDF: 101.7/86



Right In: 23.649+/-0.007 χ^2/NDF: 1764182.9/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 24.609+/-0.006 χ^2/NDF: 1569087.3/20

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

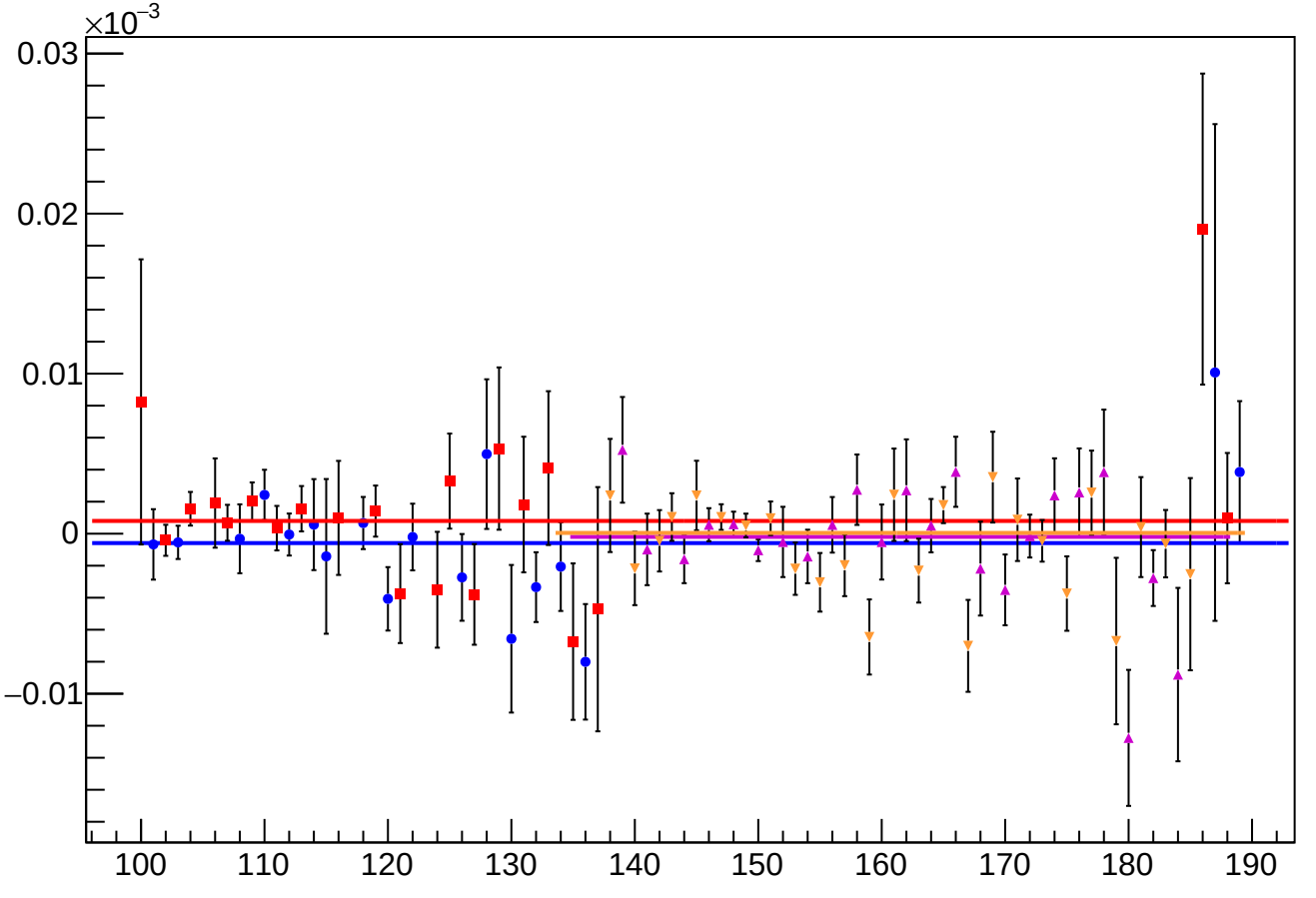
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 24.143+/-0.005 χ^2/NDF: 3344453.8/38

In: 26.110+/-0.004 χ^2/NDF:4623533.4/40

Out: 26.516+/-0.004 χ^2/NDF:5687491.3/45

All: 26.318+/-0.003 χ^2/NDF: 10316474.2/86



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

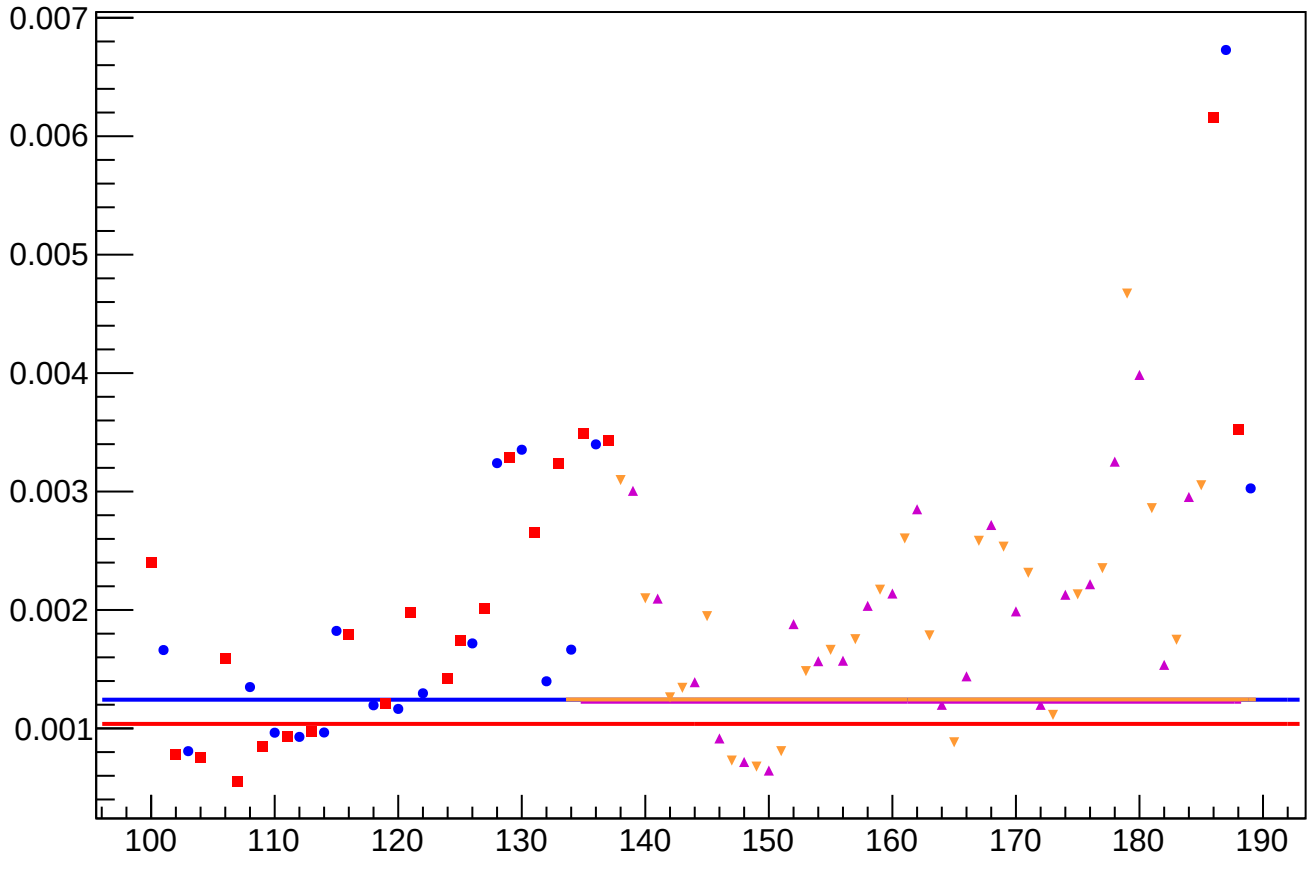
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 42.3/38

In: -0.000+/-0.000 χ^2/NDF:52.8/40

Out: 0.000+/-0.000 χ^2/NDF:57.7/45

All: 0.000+/-0.000 χ^2/NDF: 113.4/86



Right In: 0.001+/-0.000 χ^2/NDF: 2847705.5/17

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4591552.2/20

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

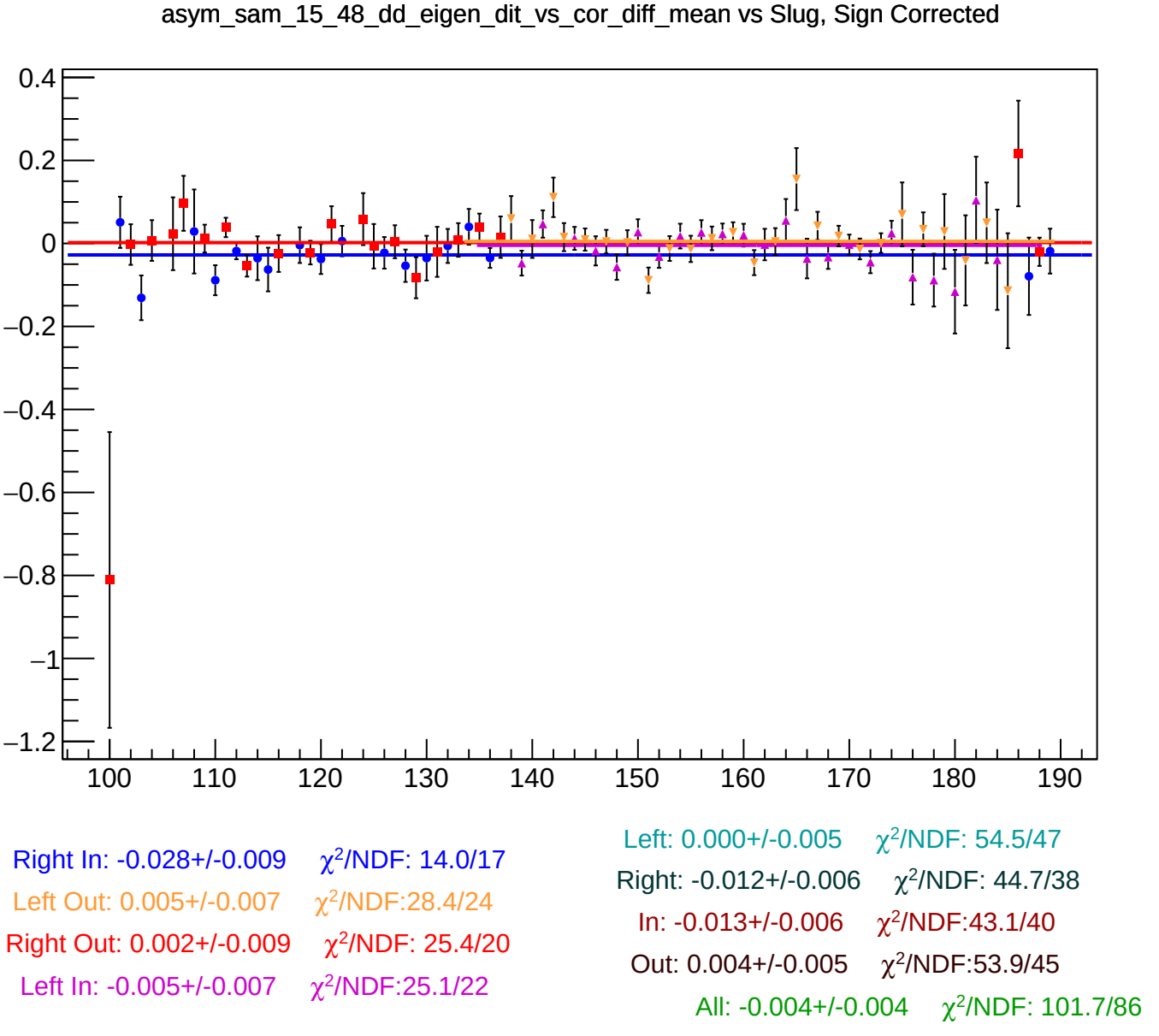
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

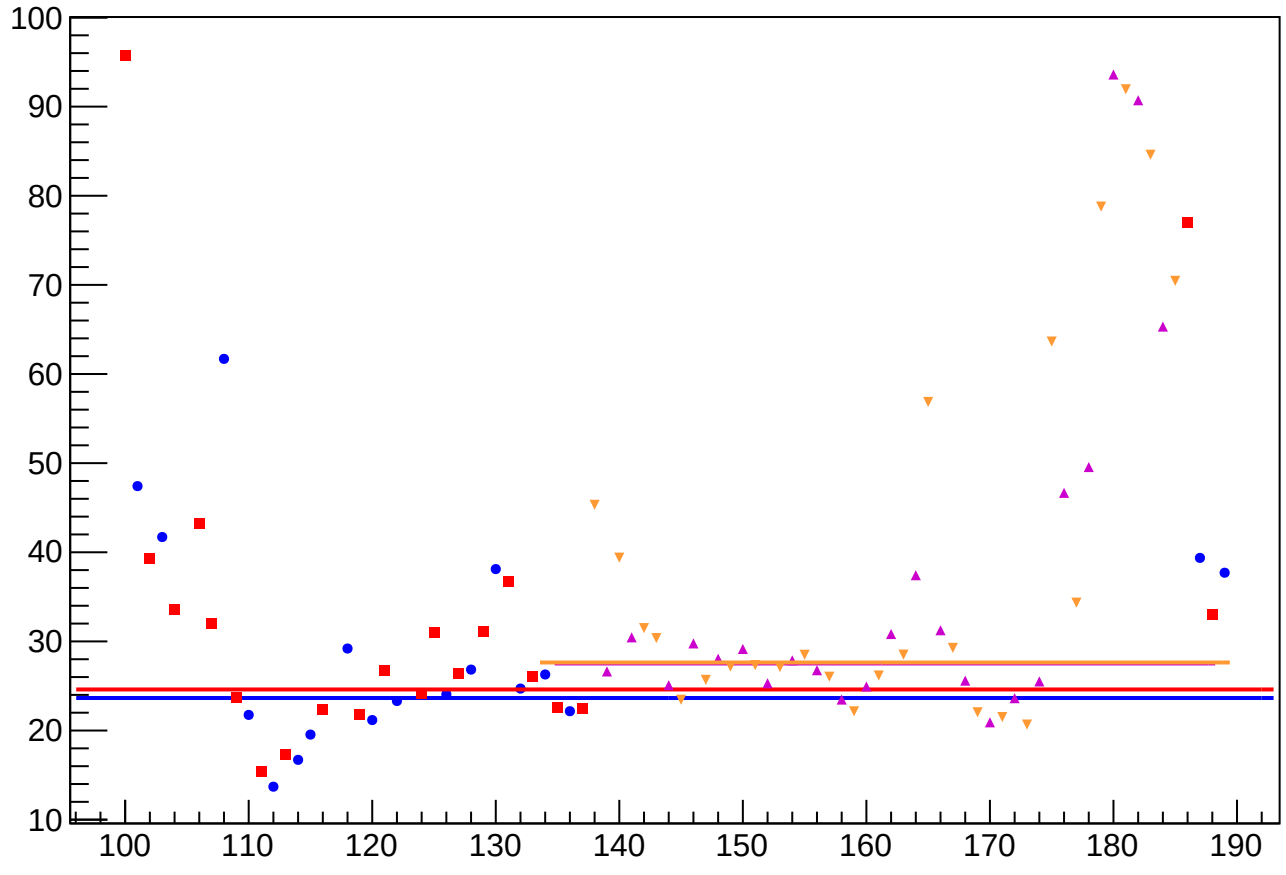
Right: 0.001+/-0.000 χ^2/NDF: 7638373.6/38

In: 0.001+/-0.000 χ^2/NDF:10672212.6/40

Out: 0.001+/-0.000 χ^2/NDF:13238180.4/45

All: 0.001+/-0.000 χ^2/NDF: 23968492.1/86


asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.028+/-0.009 χ²/NDF: 14.0/17
Left Out: 0.005+/-0.007 χ²/NDF:28.4/24
Right Out: 0.002+/-0.009 χ²/NDF: 25.4/20
Left In: -0.005+/-0.007 χ²/NDF:25.1/22
Left: 0.000+/-0.005 χ²/NDF: 54.5/47
Right: -0.012+/-0.006 χ²/NDF: 44.7/38
In: -0.013+/-0.006 χ²/NDF:43.1/40
Out: 0.004+/-0.005 χ²/NDF:53.9/45
All: -0.004+/-0.004 χ²/NDF: 101.7/86



Right In: 23.649+/-0.007 χ^2/NDF: 1764189.8/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 24.609+/-0.006 χ^2/NDF: 1569163.4/20

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

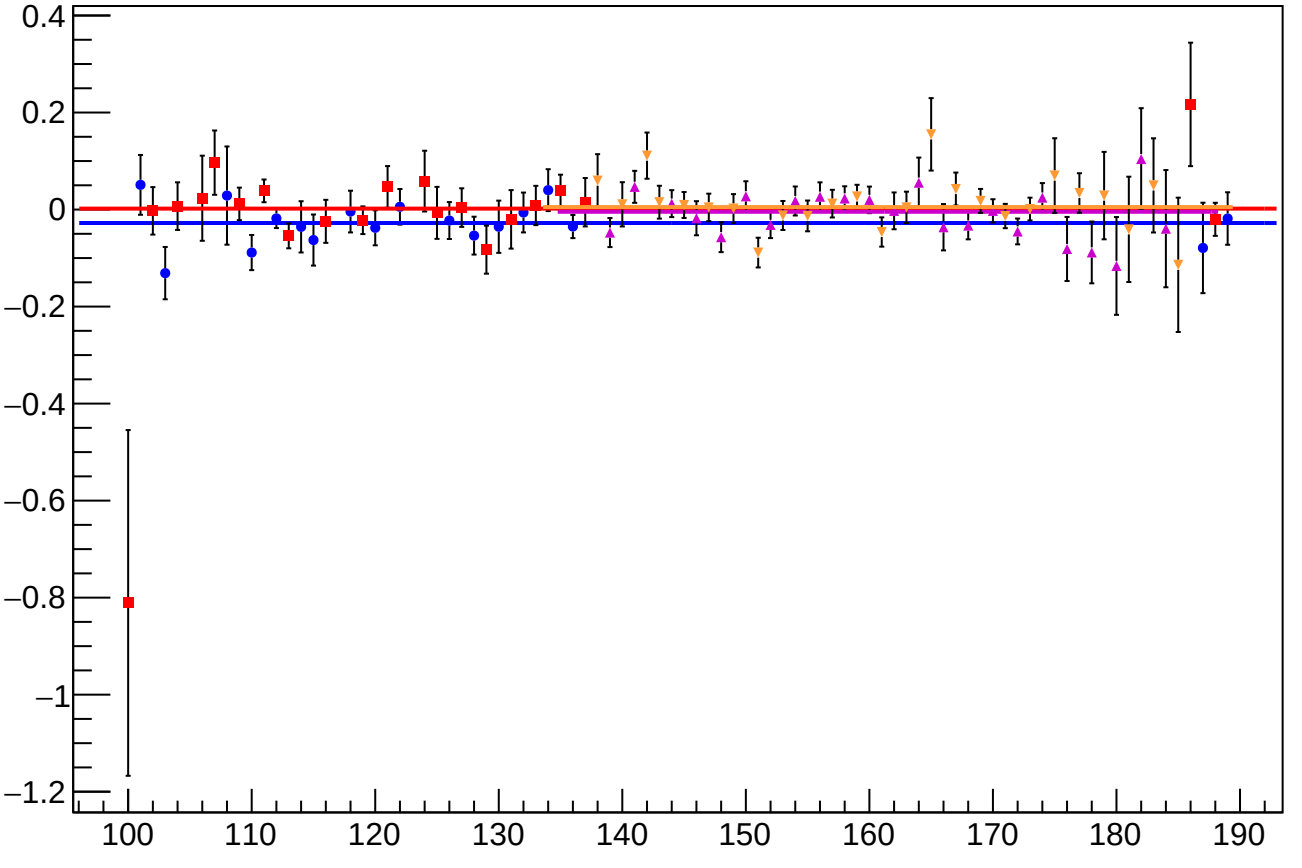
Right: 24.143+/-0.005 χ^2/NDF: 3344536.5/38

In: 26.110+/-0.004 χ^2/NDF:4623556.0/40

Out: 26.516+/-0.004 χ^2/NDF:5687561.6/45

All: 26.318+/-0.003 χ^2/NDF: 10316569.1/86

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/17

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

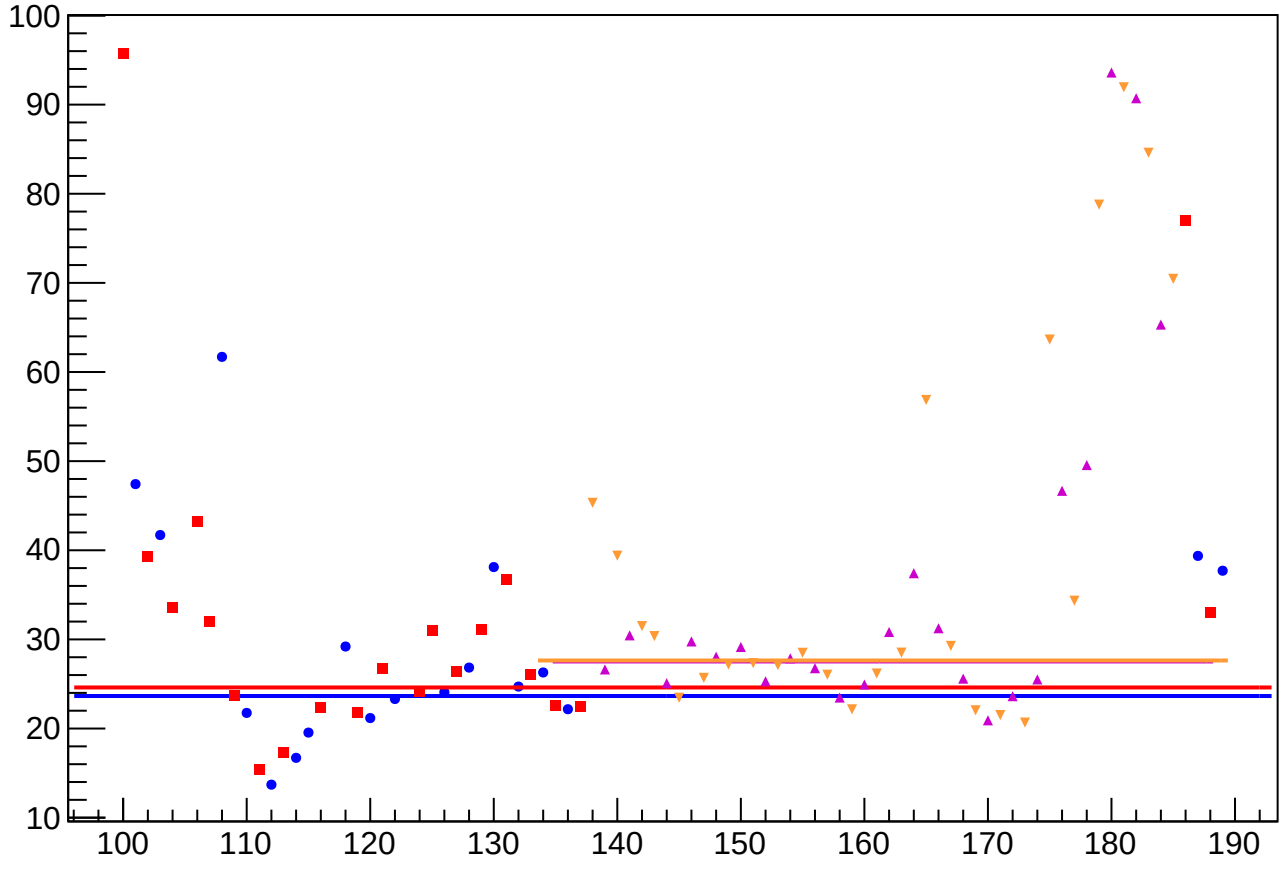
Right: -0.012+/-0.006 χ^2/NDF: 44.7/38

In: -0.013+/-0.006 χ^2/NDF:43.1/40

Out: 0.004+/-0.005 χ^2/NDF:53.9/45

All: -0.004+/-0.004 χ^2/NDF: 101.7/86

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.649+/-0.007 χ^2/NDF: 1764189.8/17

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 24.609+/-0.006 χ^2/NDF: 1569163.4/20

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

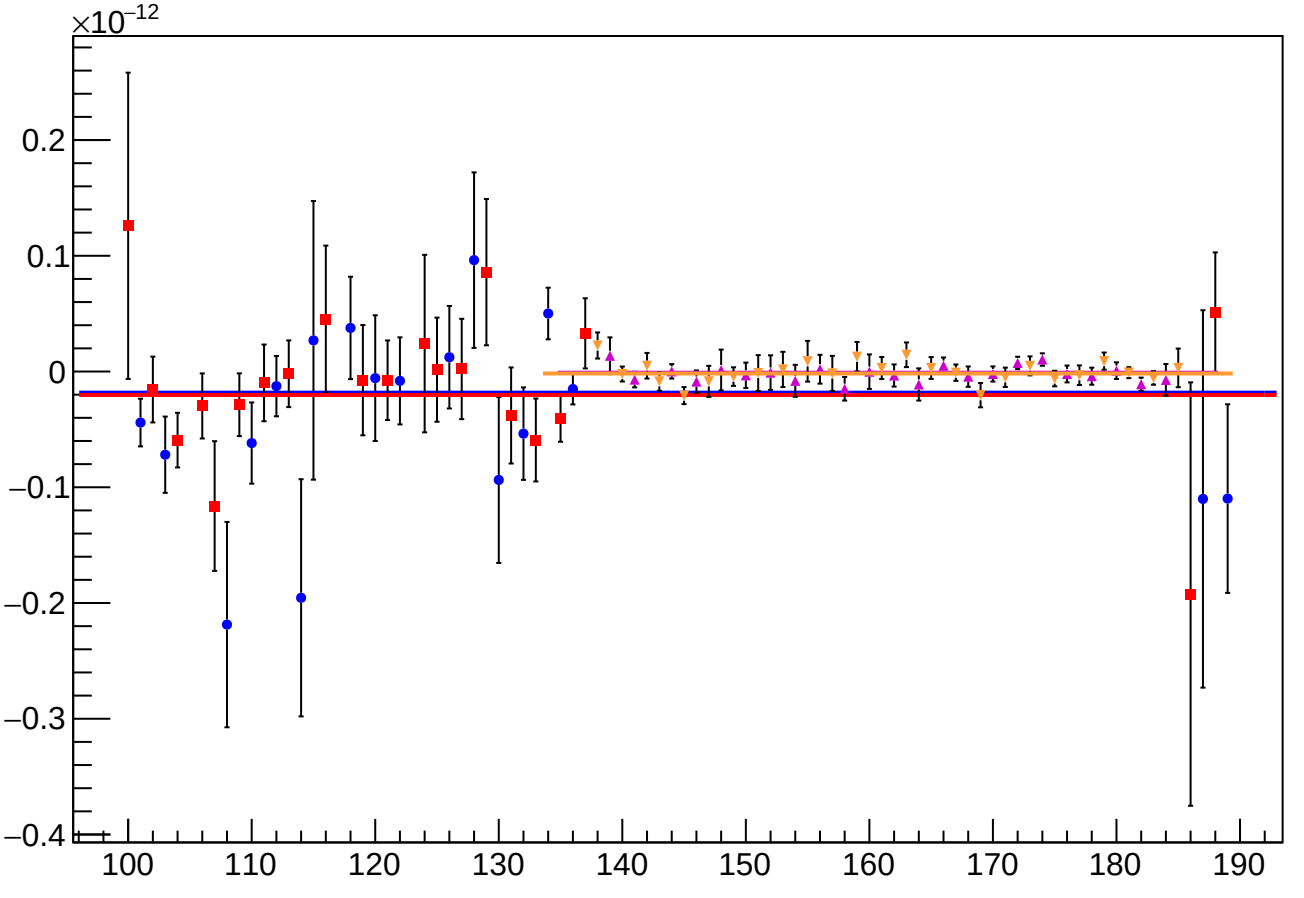
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 24.143+/-0.005 χ^2/NDF: 3344536.5/38

In: 26.110+/-0.004 χ^2/NDF:4623556.0/40

Out: 26.516+/-0.004 χ^2/NDF:5687561.6/45

All: 26.318+/-0.003 χ^2/NDF: 10316569.1/86



Right In: -0.000+/-0.000 χ^2/NDF: 31.5/17

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/20

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

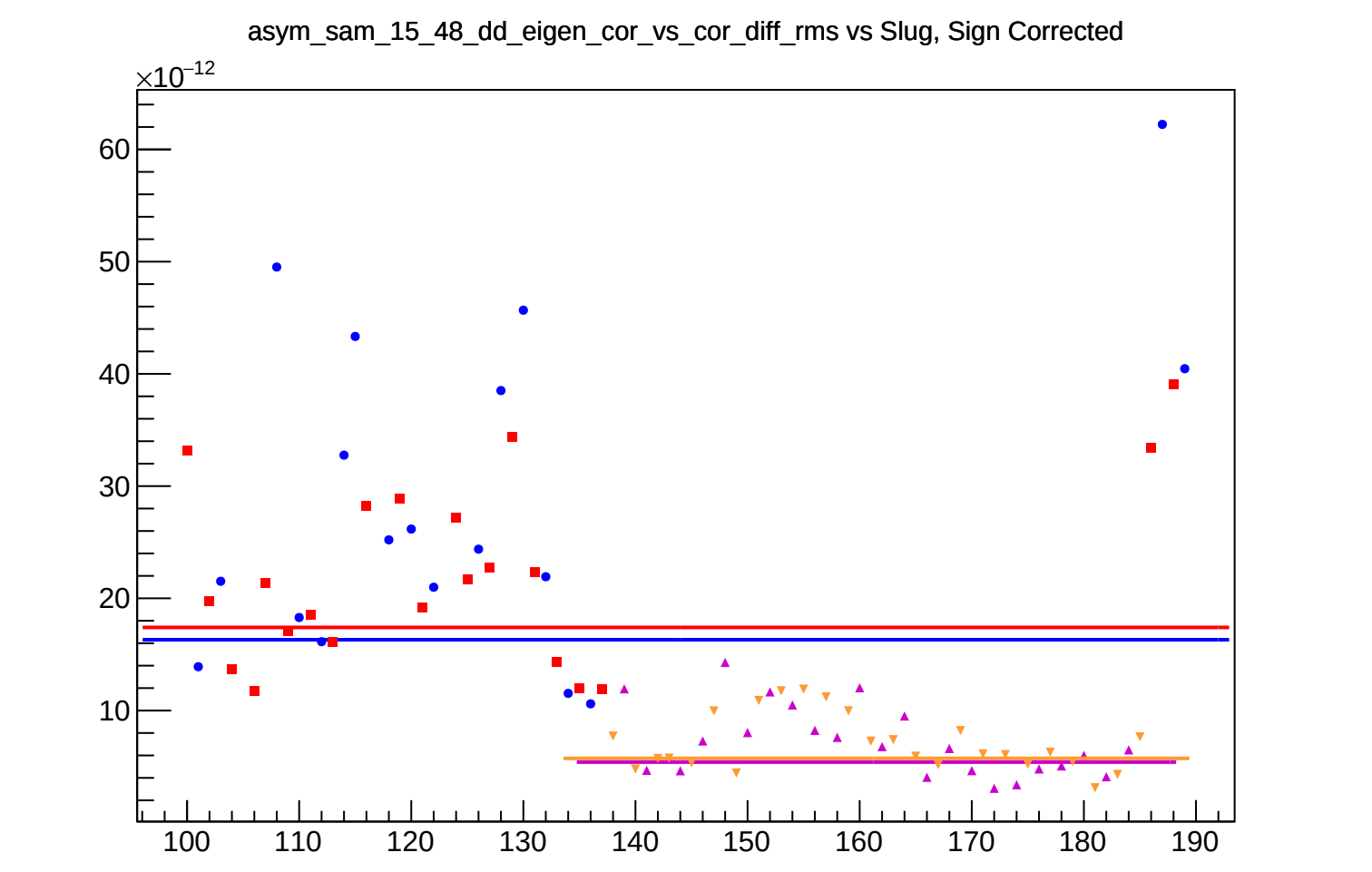
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 52.3/38

In: -0.000+/-0.000 χ^2/NDF:52.7/40

Out: -0.000+/-0.000 χ^2/NDF:50.7/45

All: -0.000+/-0.000 χ^2/NDF: 103.5/86



Right In: 0.000+/-0.000 χ^2/NDF: 2102531.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1211318.0/20

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

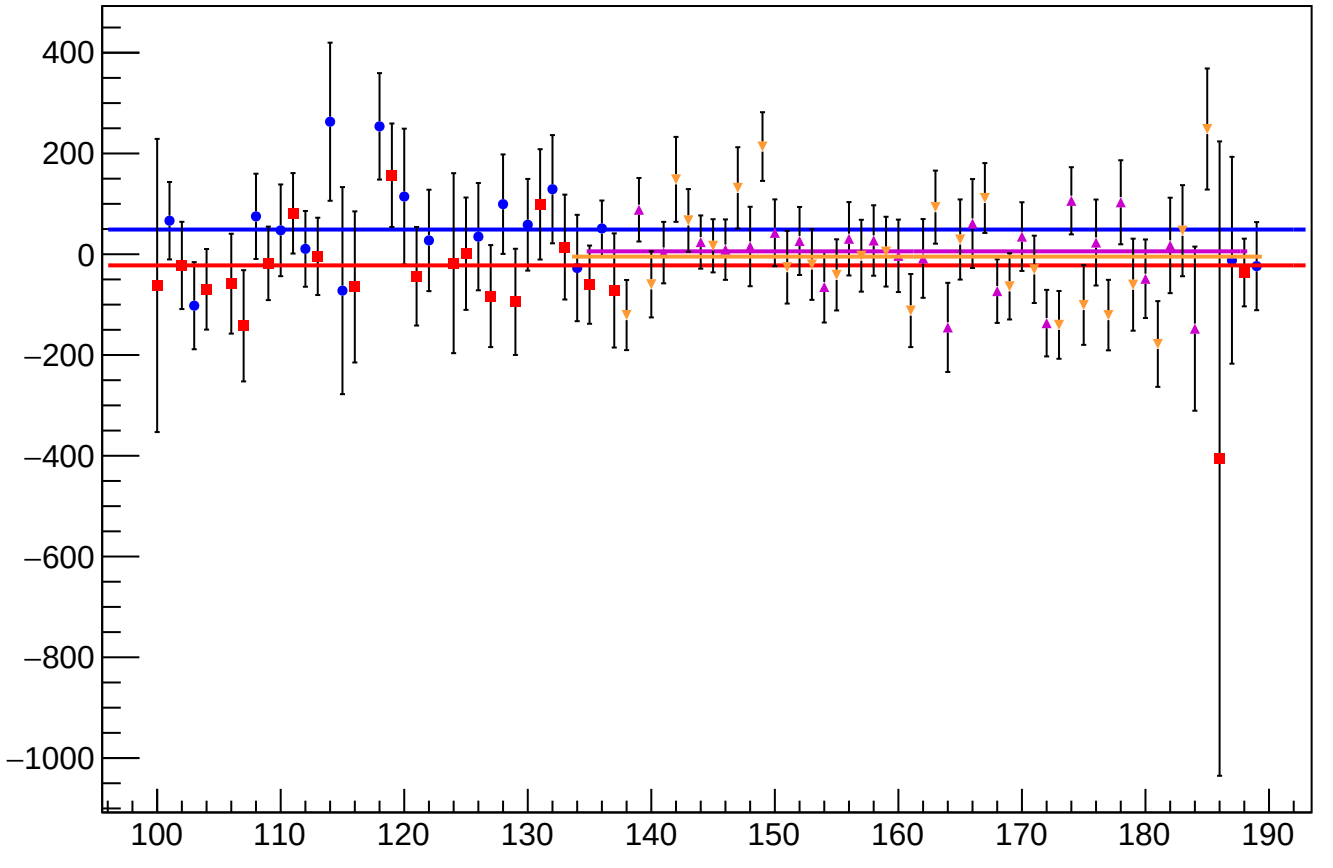
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 3333897.9/38

In: 0.000+/-0.000 χ^2/NDF:9380140.9/40

Out: 0.000+/-0.000 χ^2/NDF:8131008.3/45

All: 0.000+/-0.000 χ^2/NDF: 17557445.0/86



Right In: 49.003+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -22.110+/-21.384 χ^2/NDF: 9.7/20

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

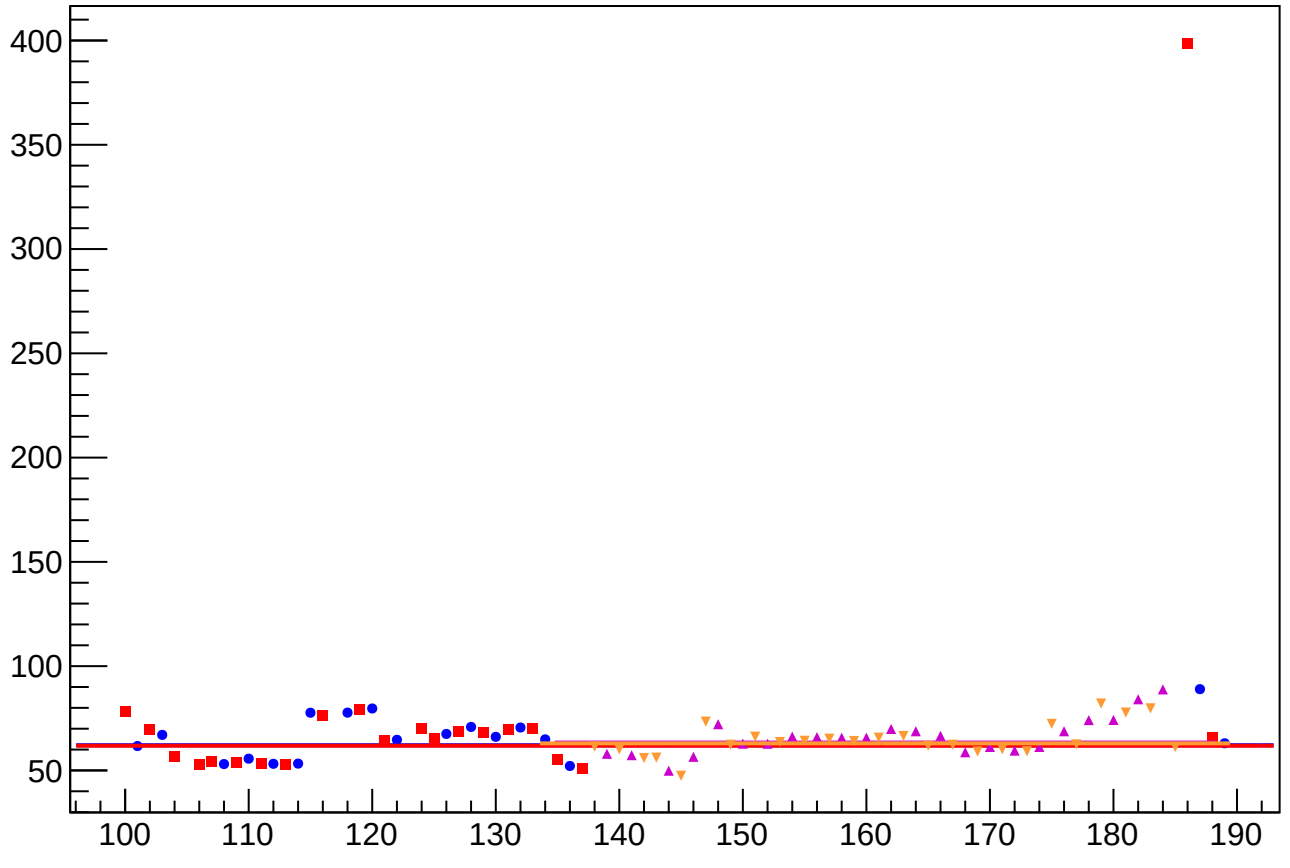
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 11.999+/-15.425 χ^2/NDF: 26.8/38

In: 19.179+/-12.402 χ^2/NDF:32.8/40

Out: -10.177+/-11.962 χ^2/NDF:57.5/45

All: 3.971+/-8.610 χ^2/NDF: 93.1/86



Right In: 62.082+/-0.016 χ^2/NDF: 302293.8/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.846+/-0.015 χ^2/NDF: 866080.4/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

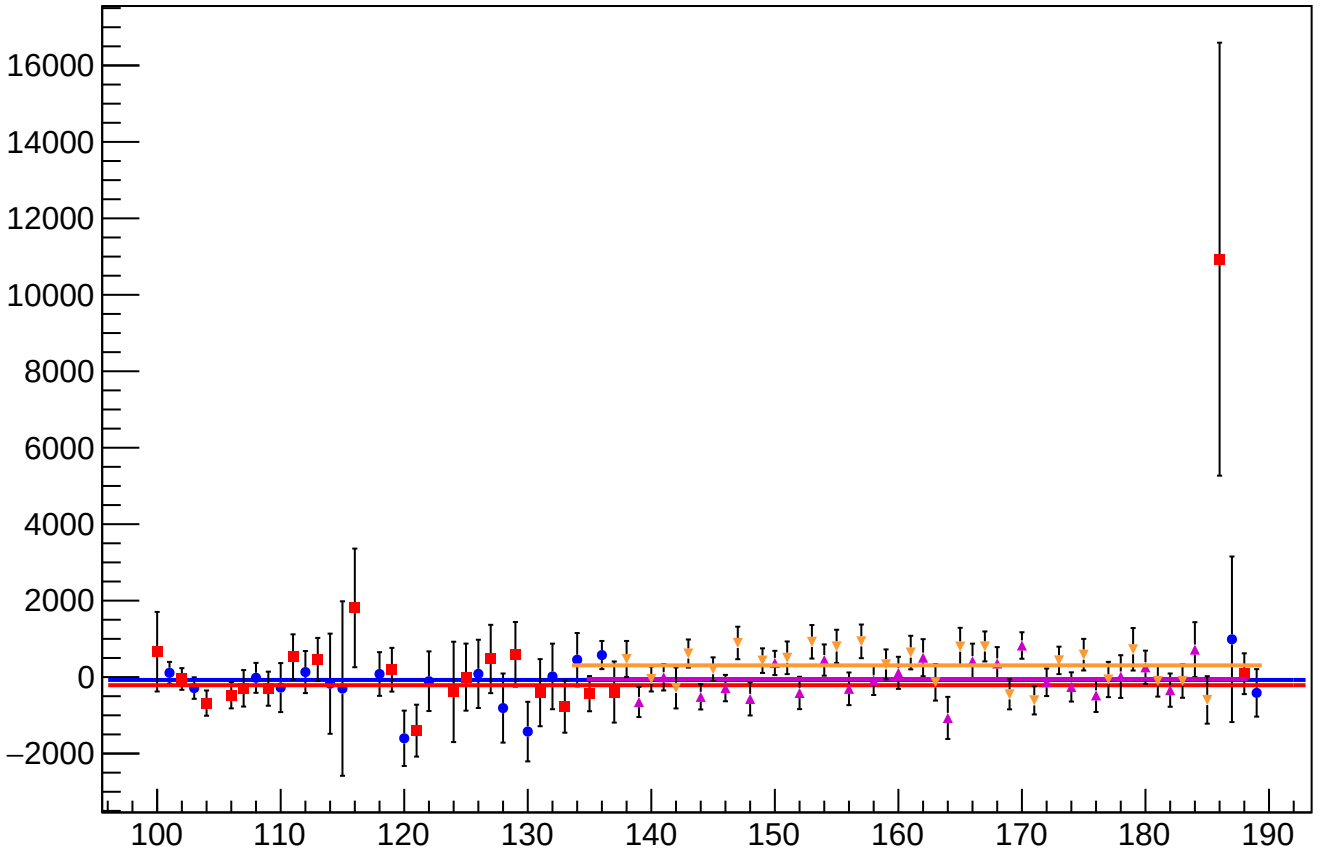
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.959+/-0.011 χ^2/NDF: 1168490.5/38

In: 62.967+/-0.009 χ^2/NDF:803804.5/40

Out: 62.623+/-0.008 χ^2/NDF:1396778.0/45

All: 62.789+/-0.006 χ^2/NDF: 2201383.4/86



Right In: -74.749+/-126.722 χ^2/NDF: 13.7/17

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -212.065+/-119.636 χ^2/NDF: 18.7/20

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

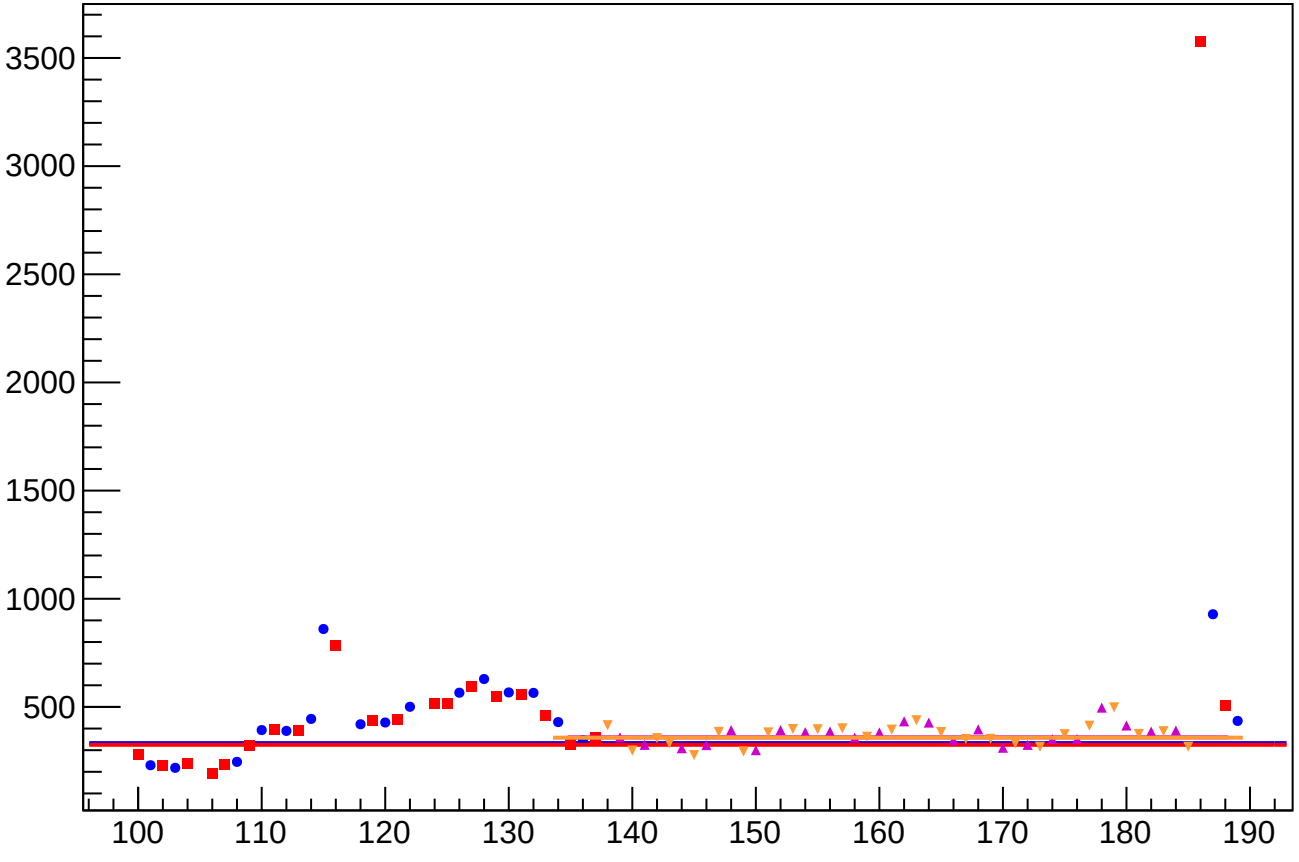
Right: -147.353+/-86.993 χ^2/NDF: 33.1/38

In: -57.680+/-70.498 χ^2/NDF:41.0/40

Out: 140.221+/-67.840 χ^2/NDF:62.2/45

All: 45.072+/-48.883 χ^2/NDF: 107.3/86

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 332.750+/-0.090 χ^2/NDF: 1944990.5/17

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 324.939+/-0.085 χ^2/NDF: 2700702.0/20

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

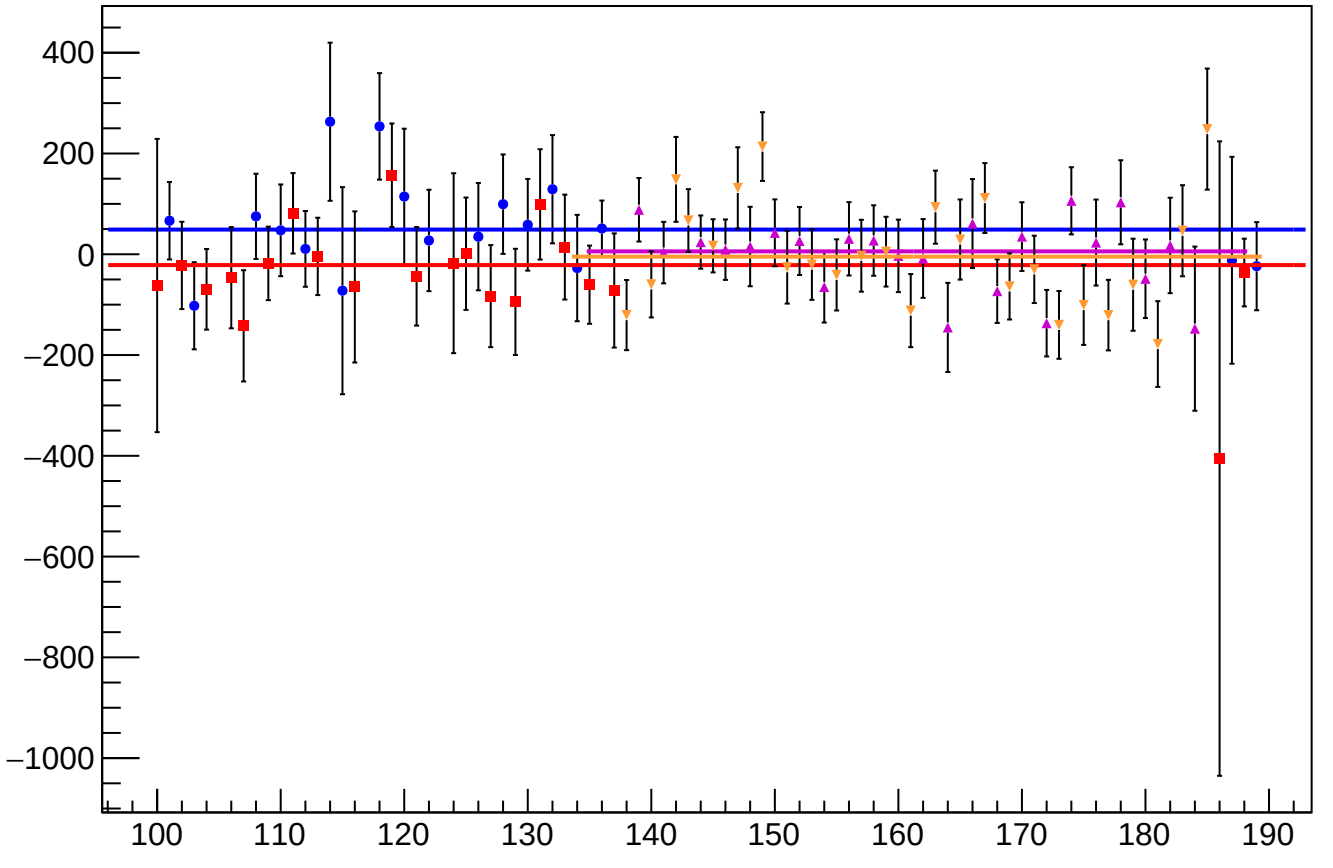
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 328.620+/-0.062 χ^2/NDF: 4649710.5/38

In: 351.118+/-0.050 χ^2/NDF:2525598.7/40

Out: 347.187+/-0.048 χ^2/NDF:3486378.8/45

All: 349.077+/-0.035 χ^2/NDF: 6015205.2/86



Right In: 48.997+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -21.514+/-21.398 χ^2/NDF: 9.6/20

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

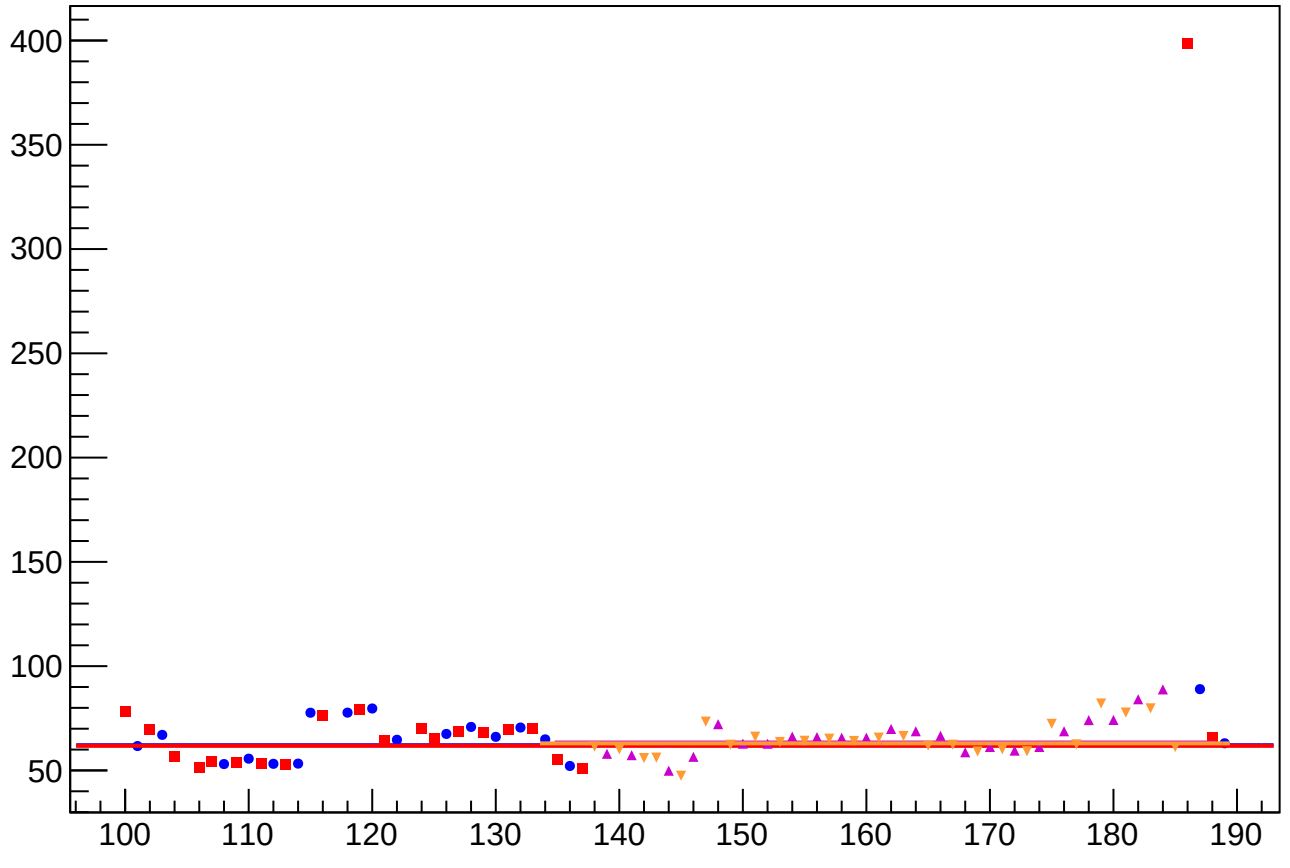
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 12.329+/-15.431 χ^2/NDF: 26.7/38

In: 19.176+/-12.402 χ^2/NDF:32.8/40

Out: -9.989+/-11.965 χ^2/NDF:57.4/45

All: 4.070+/-8.611 χ^2/NDF: 93.0/86



Right In: 62.082+/-0.016 χ^2/NDF: 302294.0/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.811+/-0.015 χ^2/NDF: 869754.8/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

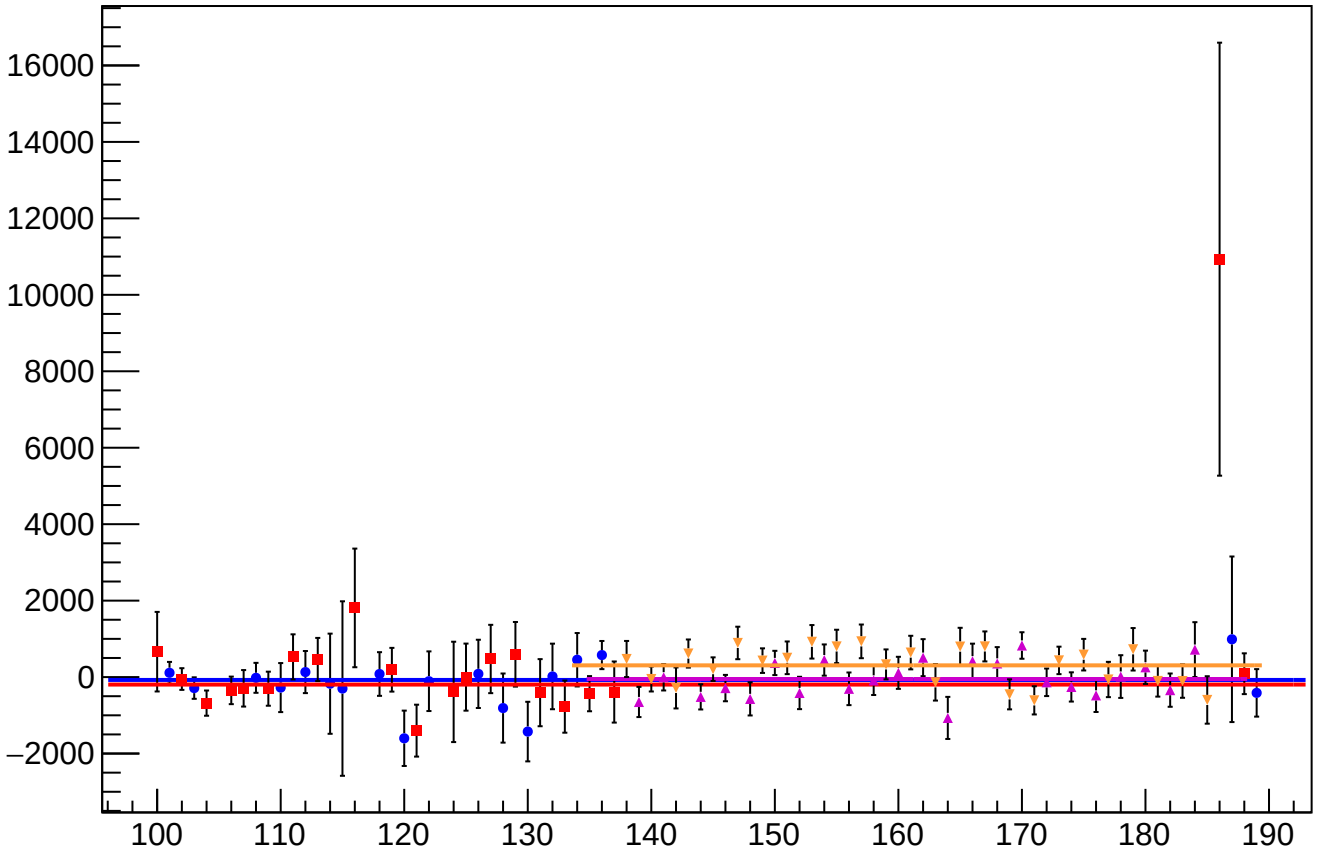
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.941+/-0.011 χ^2/NDF: 1172202.7/38

In: 62.967+/-0.009 χ^2/NDF:803804.7/40

Out: 62.612+/-0.008 χ^2/NDF:1400693.6/45

All: 62.783+/-0.006 χ^2/NDF: 2205349.8/86



Right In: -74.736+/-126.723 χ^2/NDF: 13.7/17

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -195.427+/-120.284 χ^2/NDF: 18.3/20

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

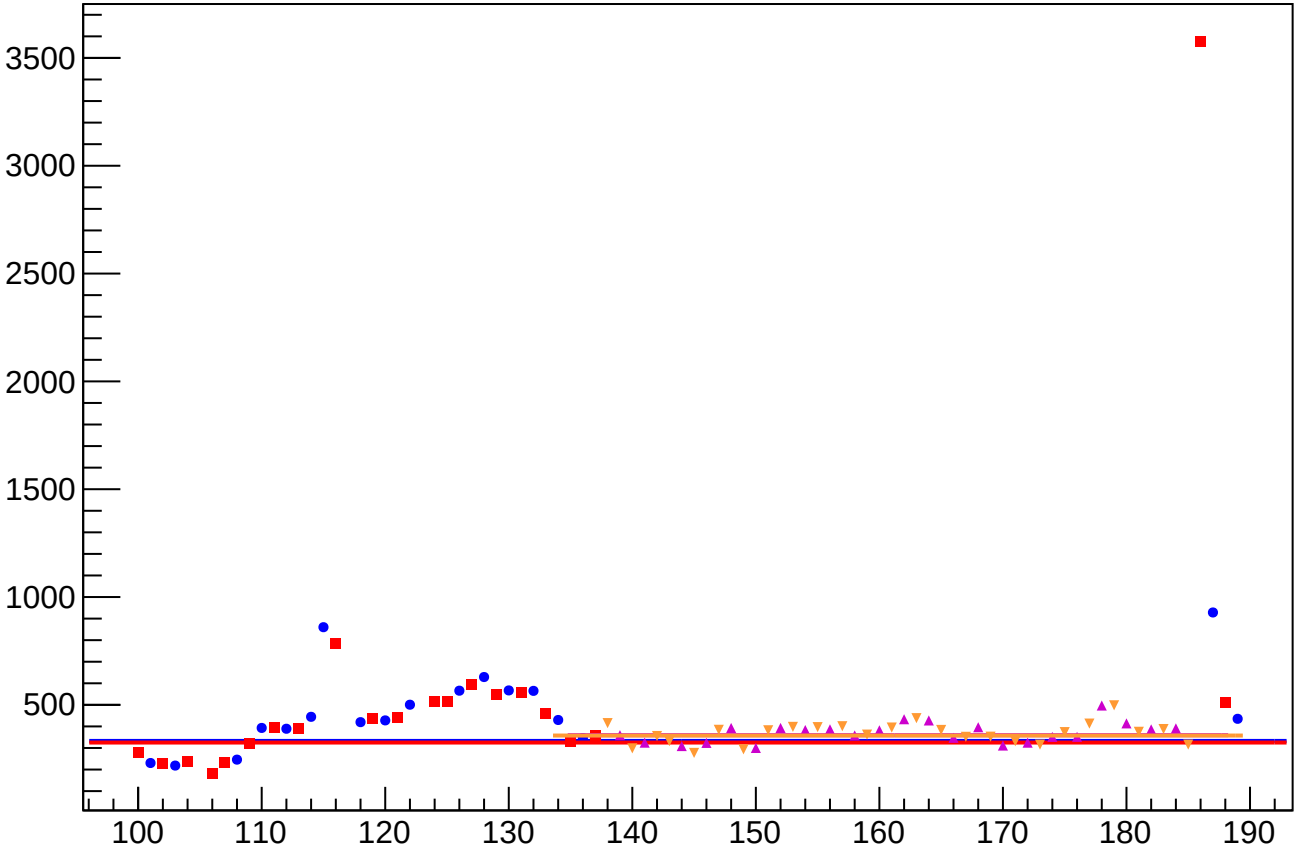
Right: -138.225+/-87.241 χ^2/NDF: 32.5/38

In: -57.675+/-70.498 χ^2/NDF:41.0/40

Out: 146.748+/-67.957 χ^2/NDF:60.8/45

All: 48.287+/-48.927 χ^2/NDF: 106.2/86

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 332.753+/-0.090 χ^2/NDF: 1944924.5/17

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 325.240+/-0.085 χ^2/NDF: 2718377.0/20

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

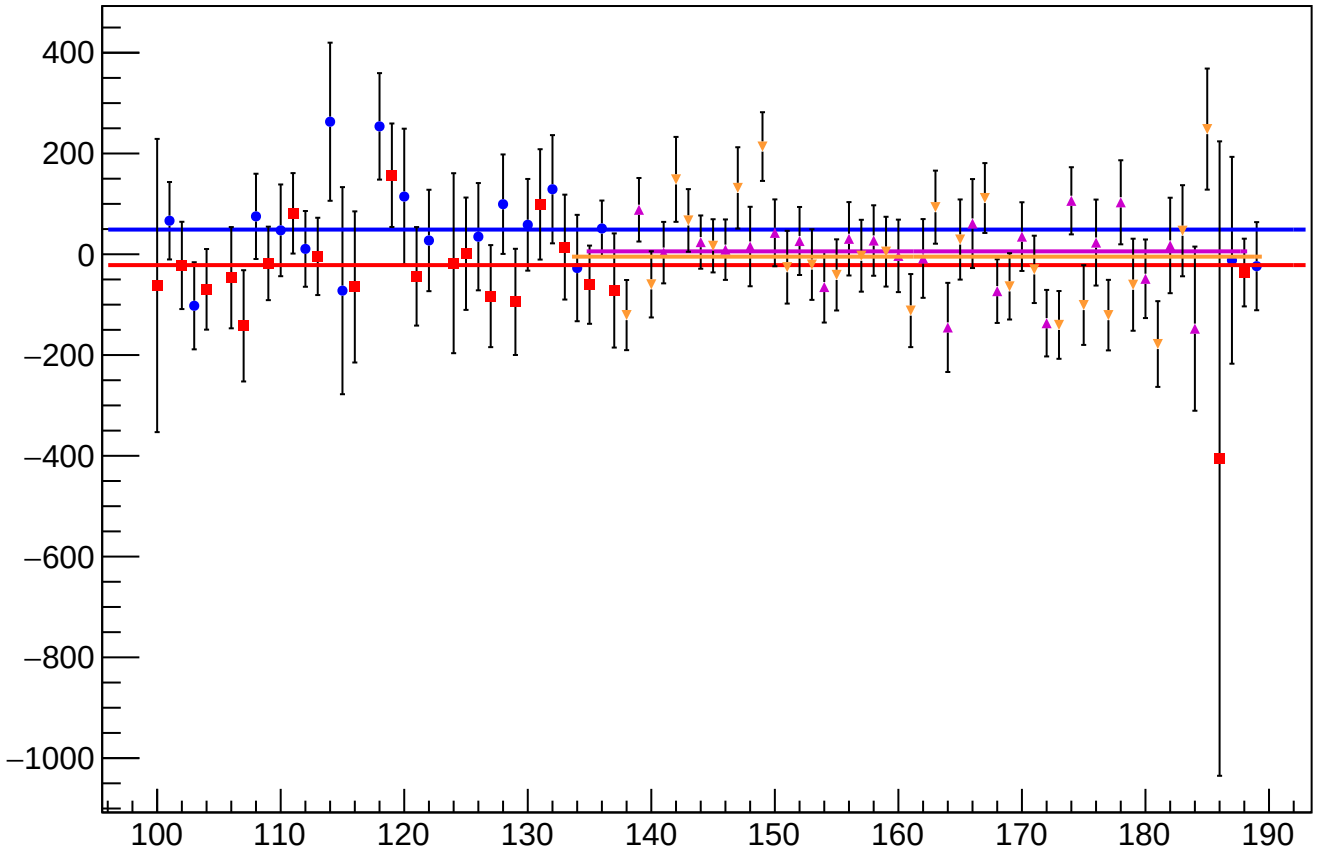
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 328.801+/-0.062 χ^2/NDF: 4666999.2/38

In: 351.119+/-0.050 χ^2/NDF:2525522.3/40

Out: 347.361+/-0.048 χ^2/NDF:3501453.7/45

All: 349.171+/-0.035 χ^2/NDF: 6029921.9/86



Right In: 48.997+/-22.273 χ^2/NDF: 11.9/17

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -21.514+/-21.398 χ^2/NDF: 9.6/20

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

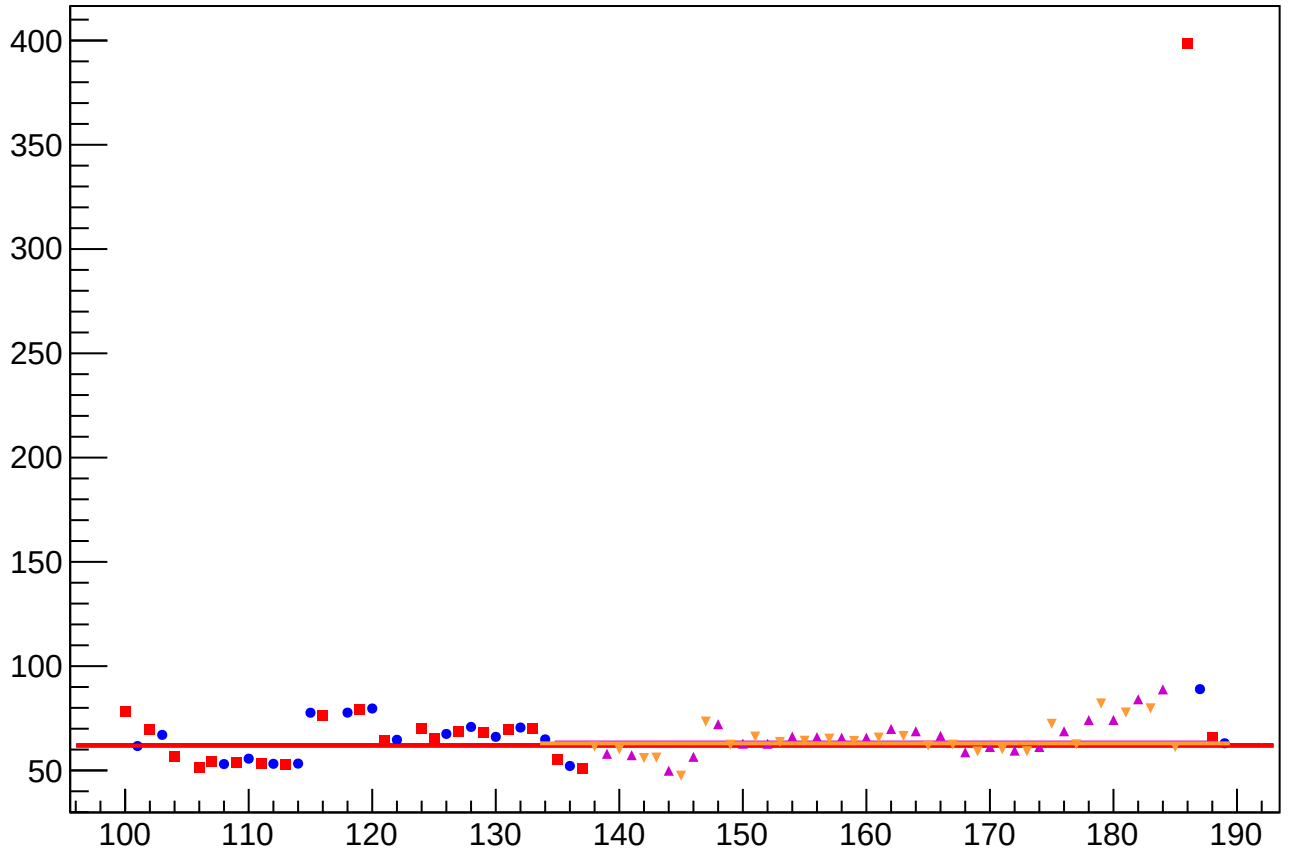
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 12.329+/-15.431 χ^2/NDF: 26.7/38

In: 19.176+/-12.402 χ^2/NDF:32.8/40

Out: -9.989+/-11.965 χ^2/NDF:57.4/45

All: 4.070+/-8.611 χ^2/NDF: 93.0/86



Right In: 62.082+/-0.016 χ^2/NDF: 302294.0/17

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.811+/-0.015 χ^2/NDF: 869754.8/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

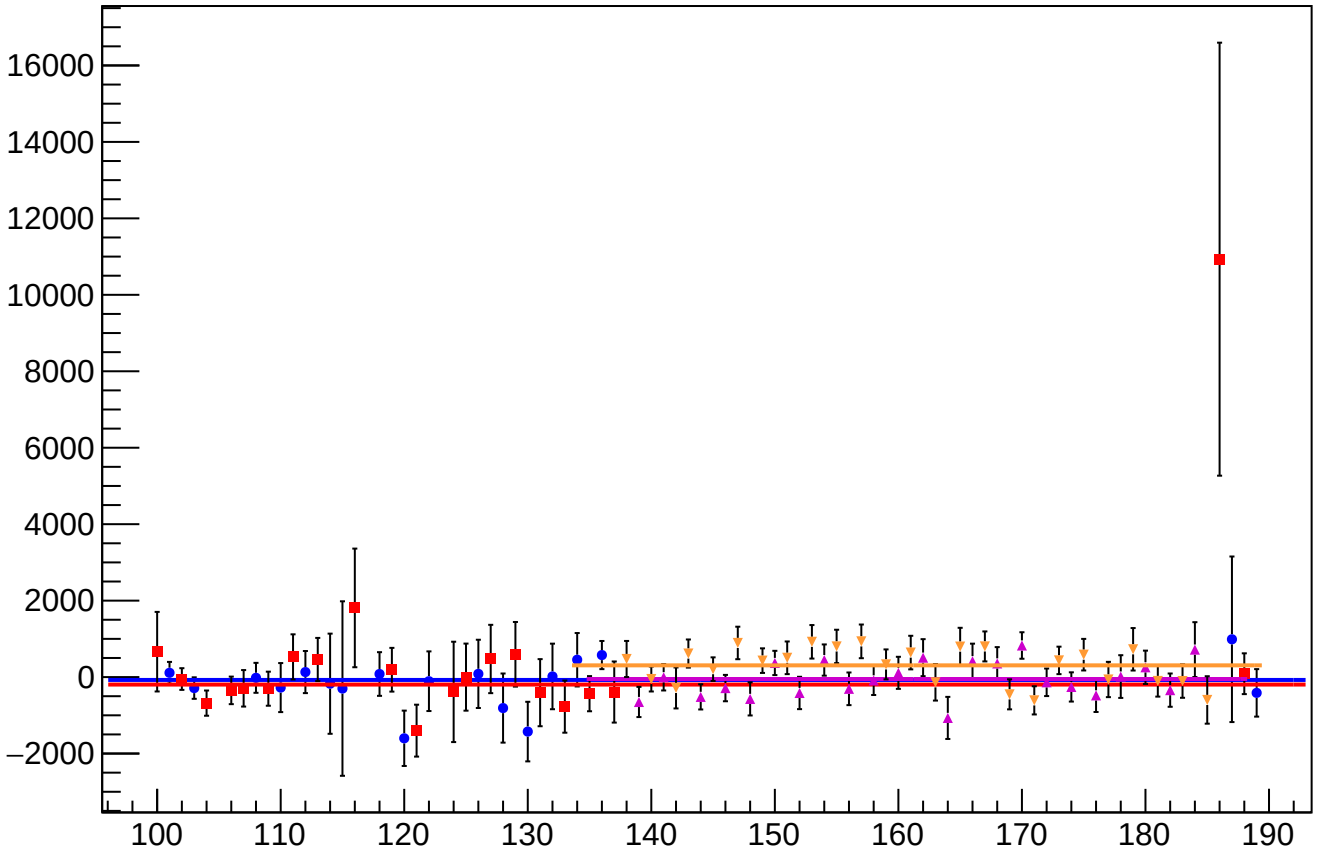
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.941+/-0.011 χ^2/NDF: 1172202.7/38

In: 62.967+/-0.009 χ^2/NDF:803804.7/40

Out: 62.612+/-0.008 χ^2/NDF:1400693.6/45

All: 62.783+/-0.006 χ^2/NDF: 2205349.8/86



Right In: -74.736+/-126.723 χ^2/NDF: 13.7/17

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -195.427+/-120.284 χ^2/NDF: 18.3/20

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

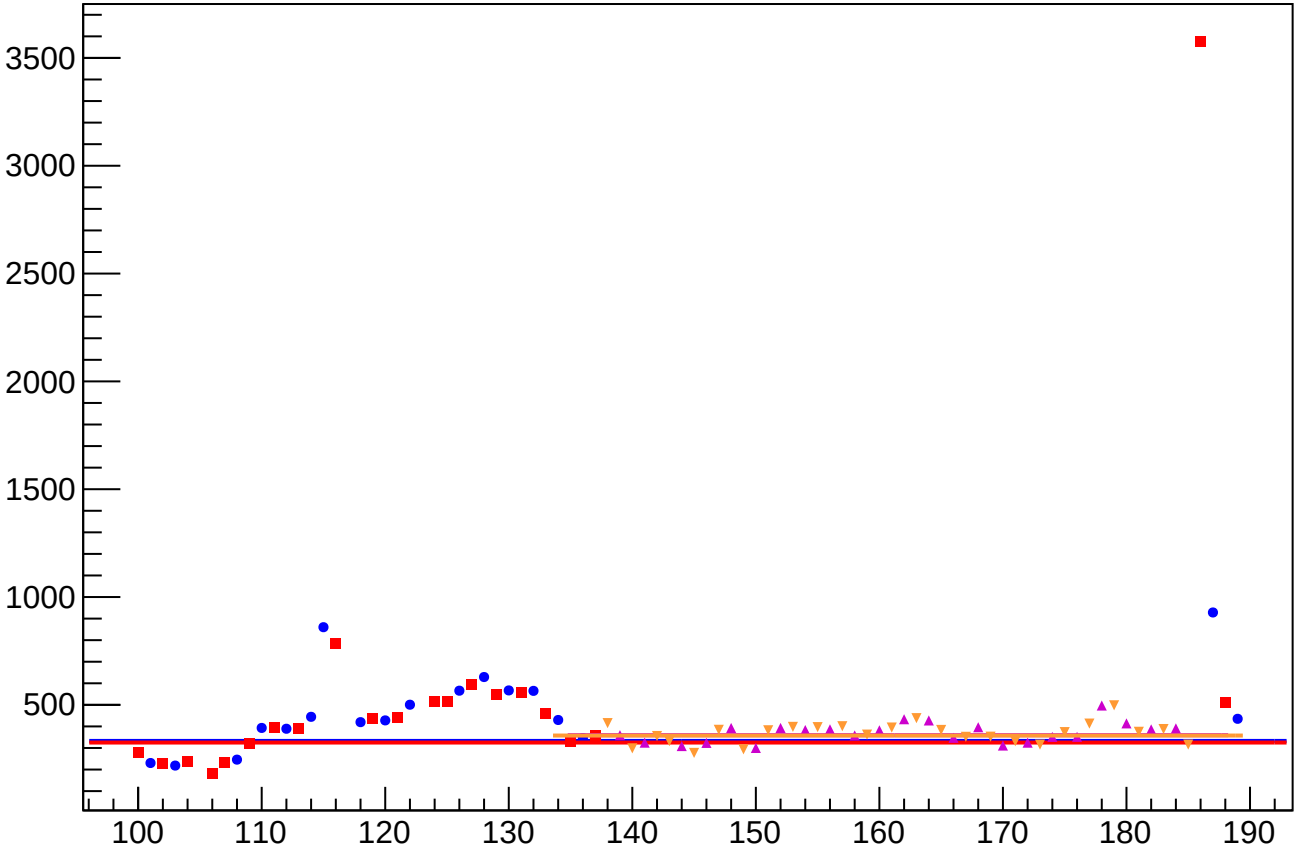
Right: -138.225+/-87.241 χ^2/NDF: 32.5/38

In: -57.675+/-70.498 χ^2/NDF:41.0/40

Out: 146.748+/-67.957 χ^2/NDF:60.8/45

All: 48.287+/-48.927 χ^2/NDF: 106.2/86

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 332.753+/-0.090 χ^2/NDF: 1944924.5/17

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 325.240+/-0.085 χ^2/NDF: 2718377.0/20

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

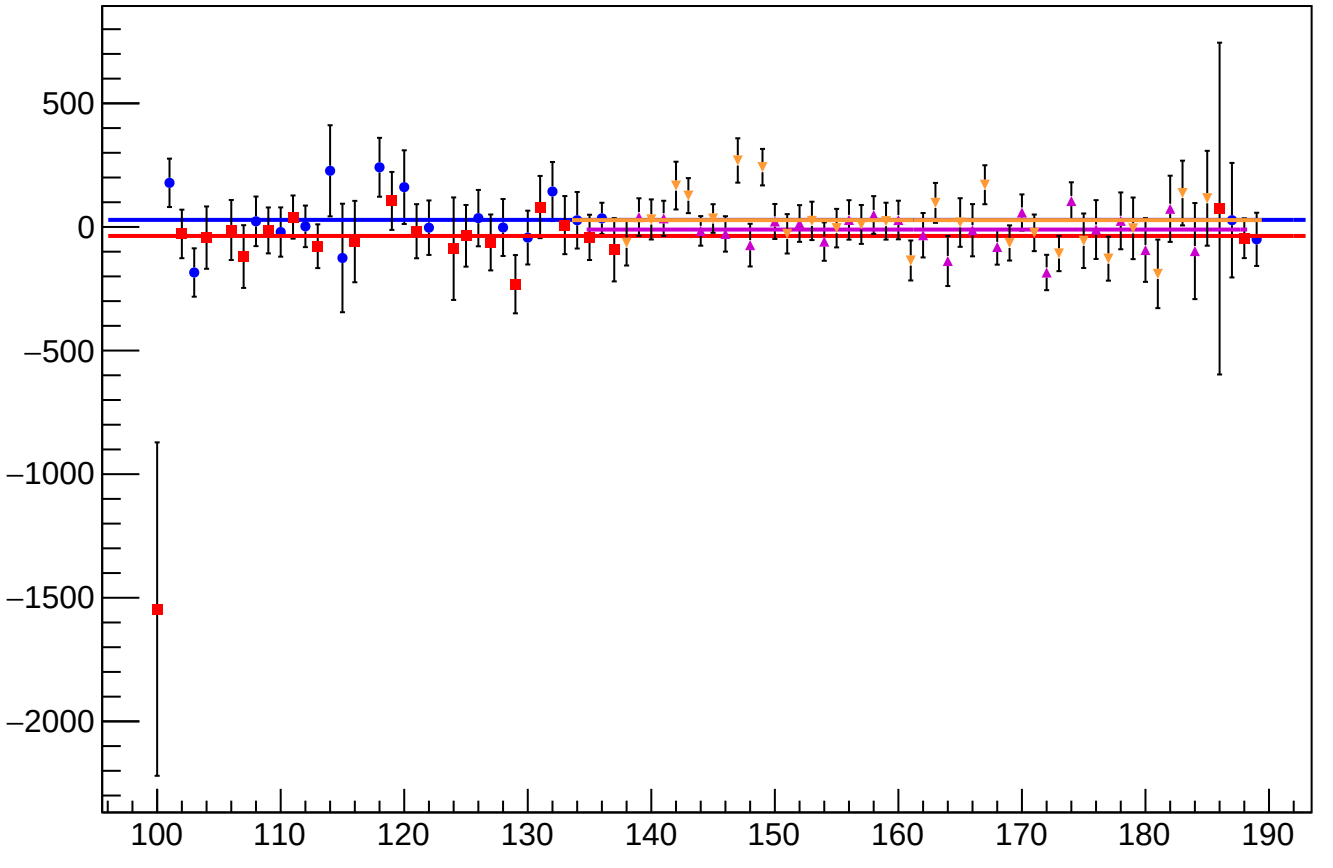
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 328.801+/-0.062 χ^2/NDF: 4666999.2/38

In: 351.119+/-0.050 χ^2/NDF:2525522.3/40

Out: 347.361+/-0.048 χ^2/NDF:3501453.7/45

All: 349.171+/-0.035 χ^2/NDF: 6029921.9/86



Right In: 28.642+/-25.498 χ^2/NDF: 15.1/17

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -36.394+/-25.184 χ^2/NDF: 12.1/20

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

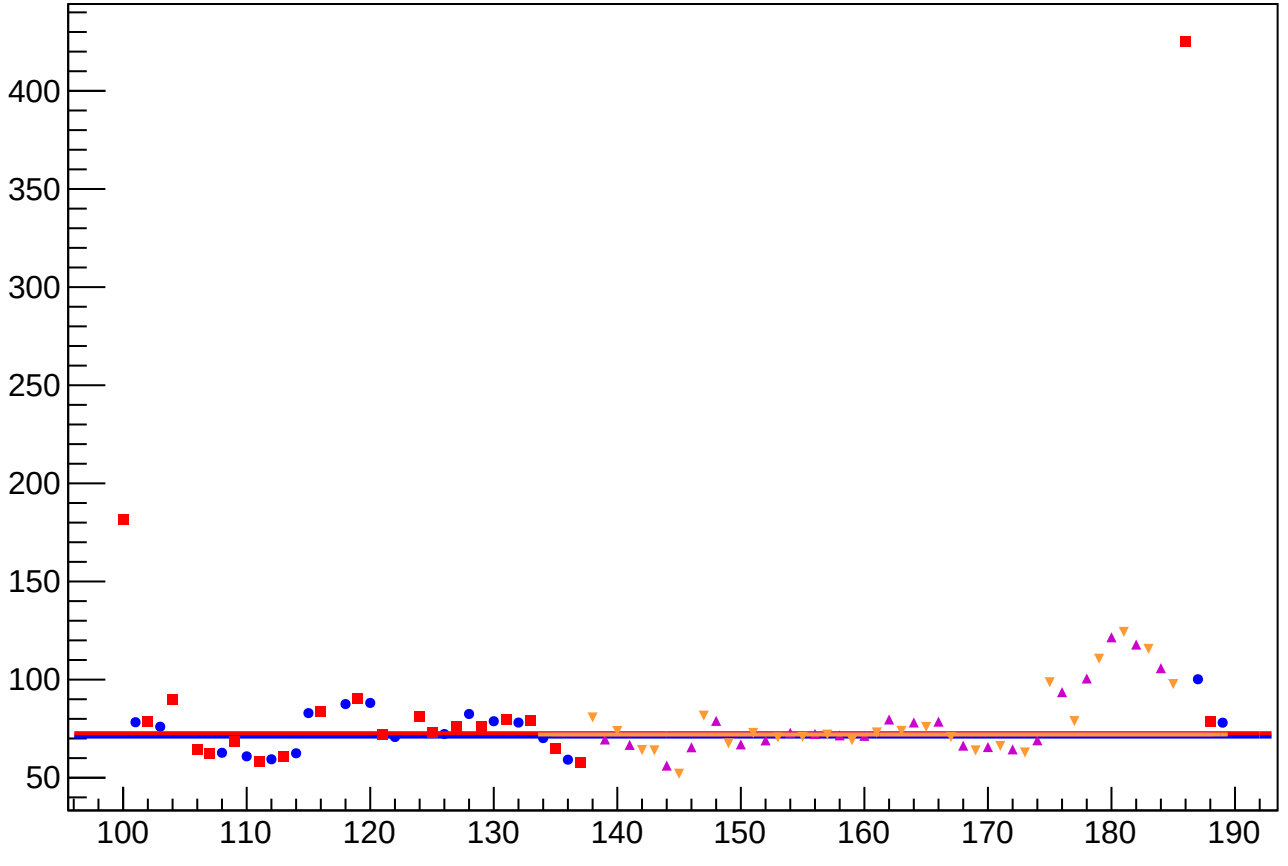
Right: -4.279+/-17.918 χ^2/NDF: 30.5/38

In: 1.751+/-14.273 χ^2/NDF:32.8/40

Out: 8.005+/-13.942 χ^2/NDF:59.0/45

All: 4.951+/-9.974 χ^2/NDF: 91.9/86

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.974+/-0.018 χ^2/NDF: 311587.4/17

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 72.698+/-0.018 χ^2/NDF: 892865.1/20

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

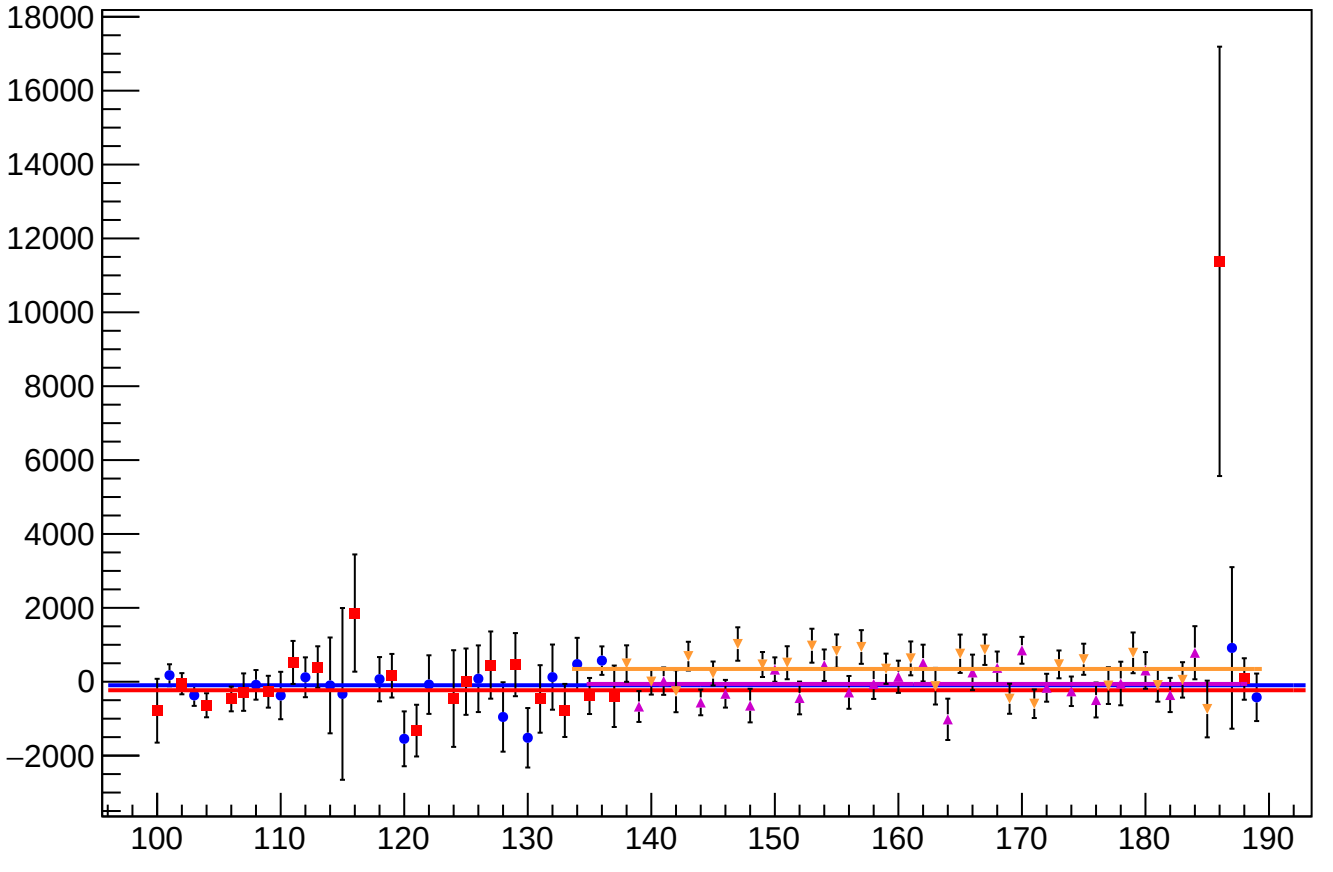
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 71.846+/-0.013 χ^2/NDF: 1209080.9/38

In: 71.742+/-0.010 χ^2/NDF:1373087.1/40

Out: 72.242+/-0.010 χ^2/NDF:2163280.9/45

All: 71.998+/-0.007 χ^2/NDF: 3537625.9/86



Right In: -95.392+/-129.897 χ^2/NDF: 14.2/17

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -230.521+/-120.406 χ^2/NDF: 16.8/20

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

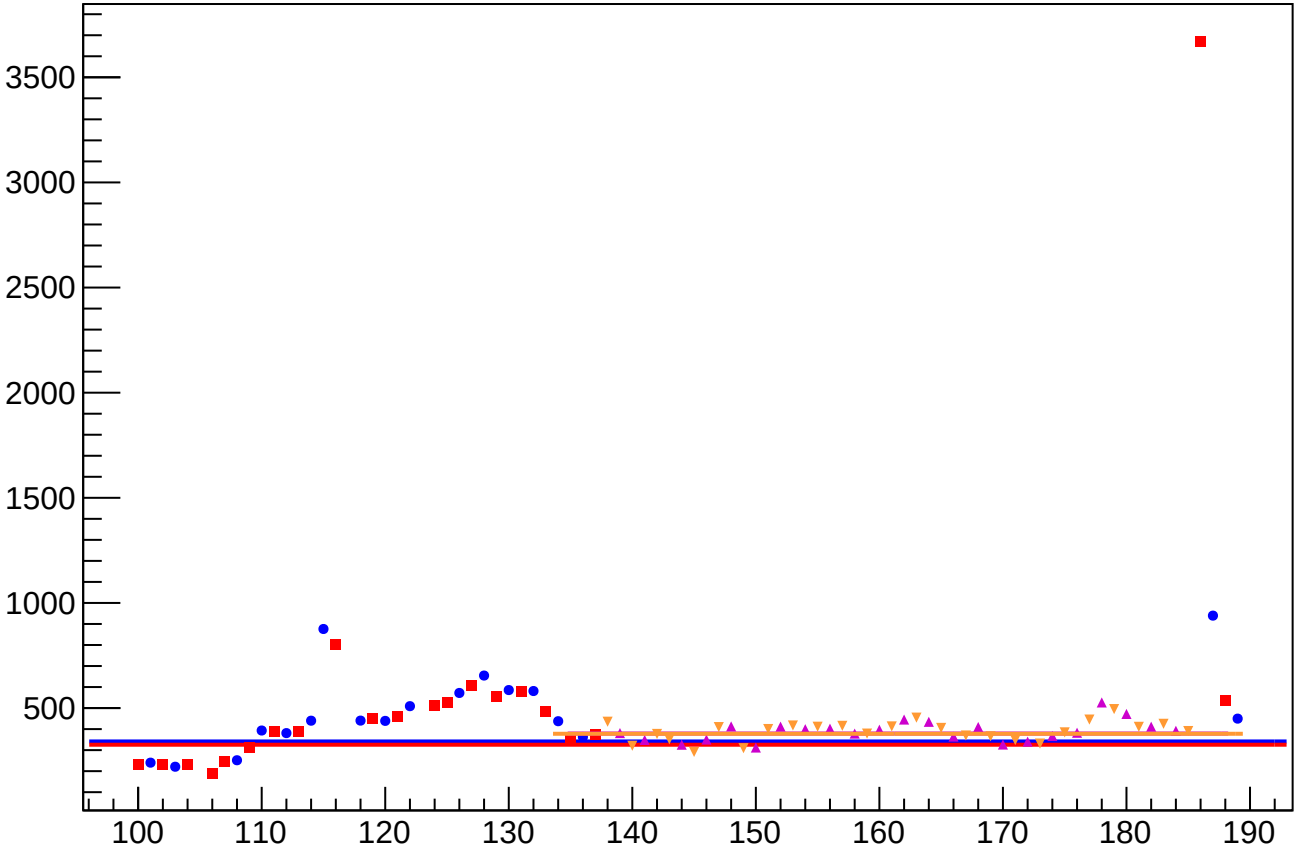
Right: -168.073+/-88.305 χ^2/NDF: 31.5/38

In: -71.315+/-73.650 χ^2/NDF:40.1/40

Out: 148.762+/-70.423 χ^2/NDF:60.8/45

All: 43.650+/-50.899 χ^2/NDF: 105.5/86

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 341.276+/-0.092 χ^2/NDF: 1942656.6/17

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 325.704+/-0.085 χ^2/NDF: 2870303.4/20

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

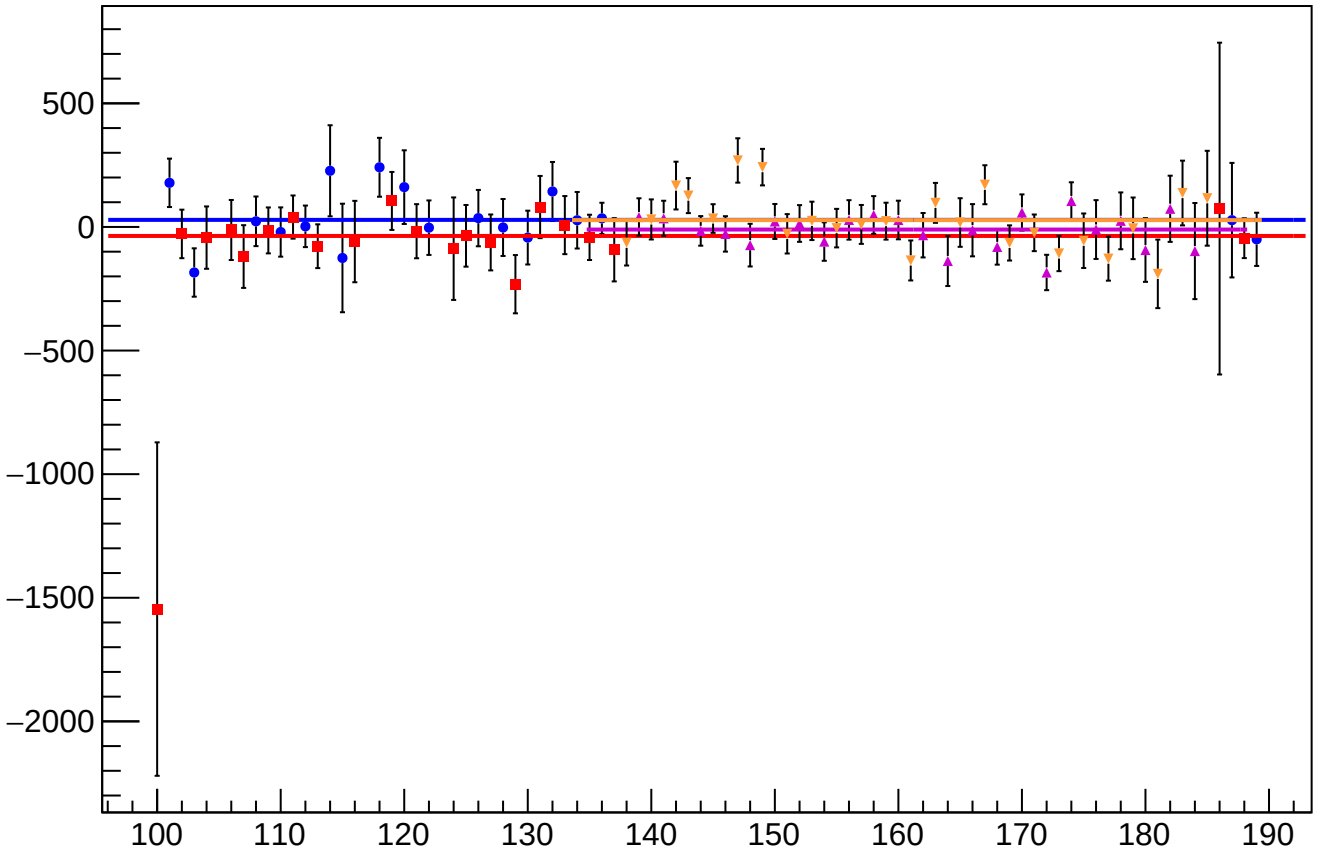
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 332.900+/-0.062 χ^2/NDF: 4828420.0/38

In: 366.784+/-0.052 χ^2/NDF:2584003.0/40

Out: 359.976+/-0.050 χ^2/NDF:3753316.5/45

All: 363.228+/-0.036 χ^2/NDF: 6346245.5/86



Right In: 28.641+/-25.498 χ^2/NDF: 15.1/17

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -36.395+/-25.184 χ^2/NDF: 12.1/20

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

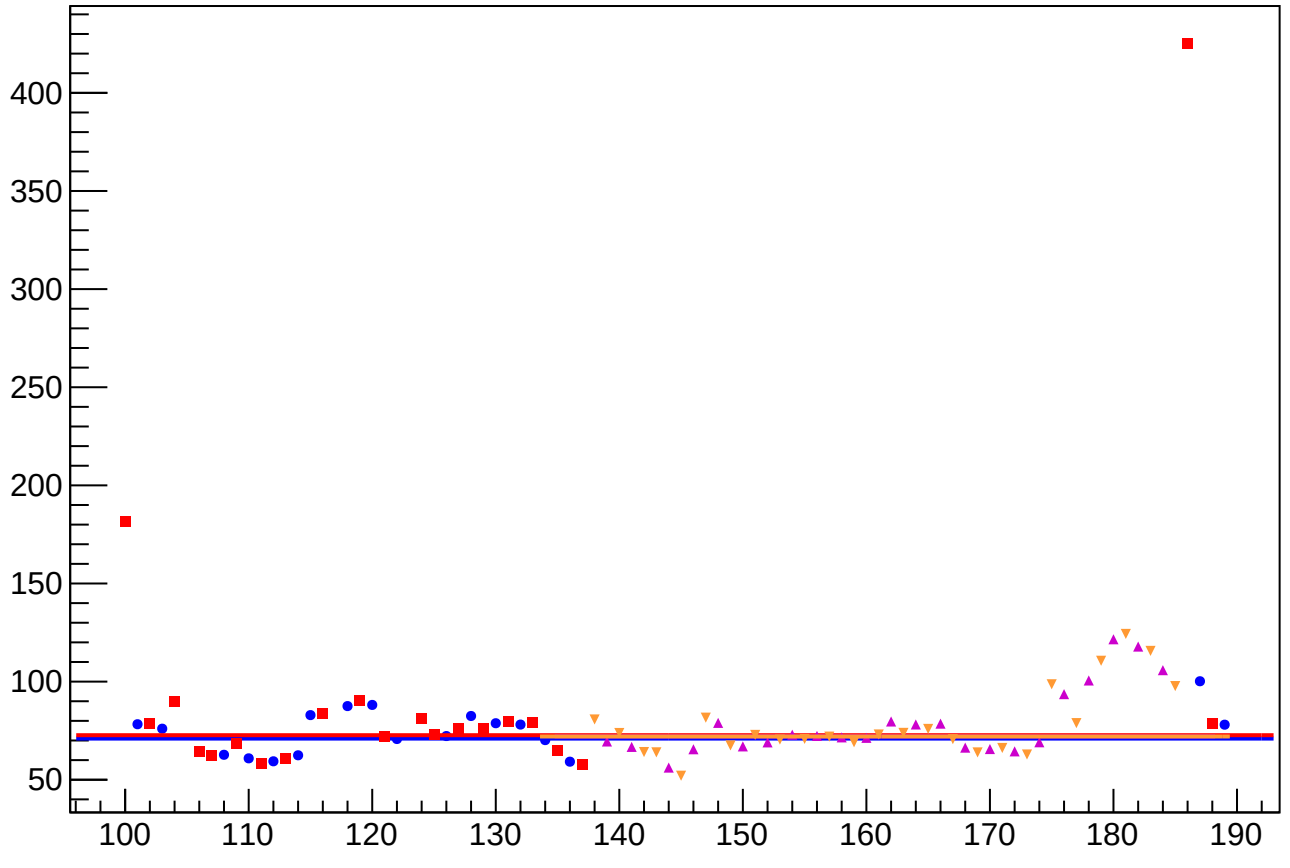
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -4.279+/-17.918 χ^2/NDF: 30.5/38

In: 1.751+/-14.273 χ^2/NDF:32.8/40

Out: 8.004+/-13.942 χ^2/NDF:59.0/45

All: 4.951+/-9.974 χ^2/NDF: 91.9/86



Right In: 70.974+/-0.018 χ^2/NDF: 311588.3/17

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 72.698+/-0.018 χ^2/NDF: 892866.5/20

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

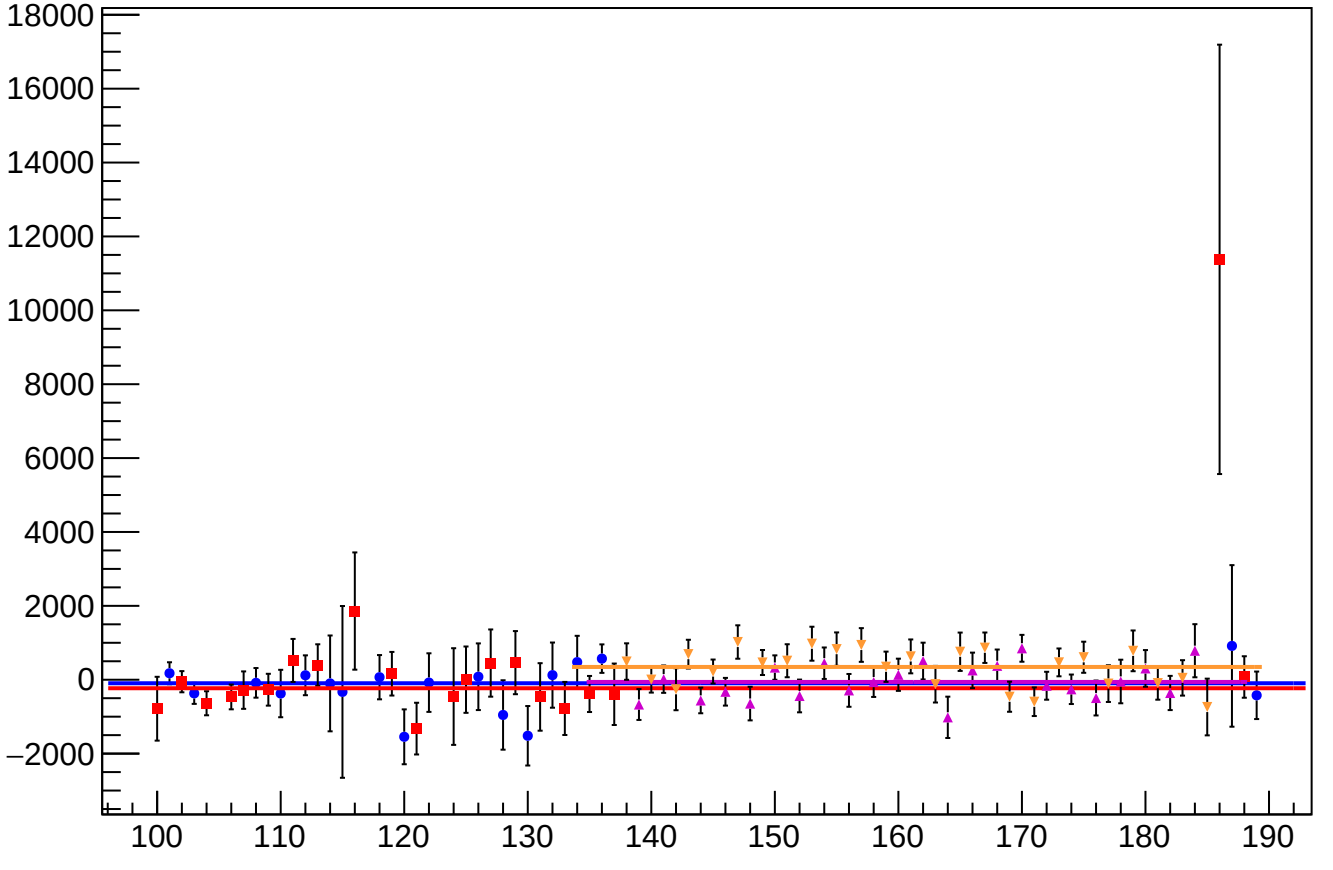
Right: 71.846+/-0.013 χ^2/NDF: 1209082.9/38

In: 71.742+/-0.010 χ^2/NDF:1373077.5/40

Out: 72.242+/-0.010 χ^2/NDF:2163289.9/45

All: 71.998+/-0.007 χ^2/NDF: 3537625.3/86

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -95.393+/-129.897 χ^2/NDF: 14.2/17

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -230.521+/-120.406 χ^2/NDF: 16.8/20

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

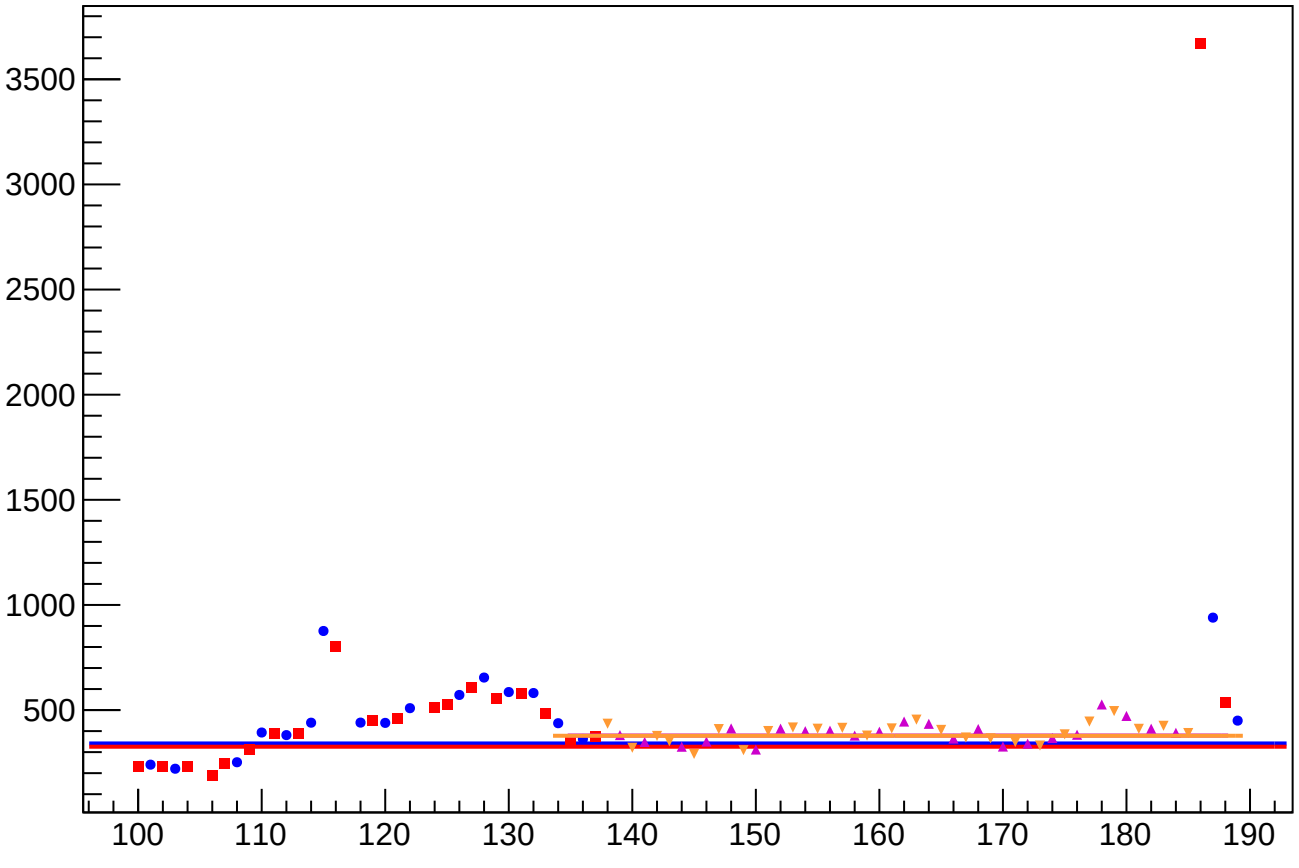
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -168.074+/-88.305 χ^2/NDF: 31.5/38

In: -71.315+/-73.650 χ^2/NDF:40.1/40

Out: 148.761+/-70.423 χ^2/NDF:60.8/45

All: 43.650+/-50.899 χ^2/NDF: 105.5/86



Right In: 341.276+/-0.092 χ^2/NDF: 1942653.0/17

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 325.704+/-0.085 χ^2/NDF: 2870297.5/20

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

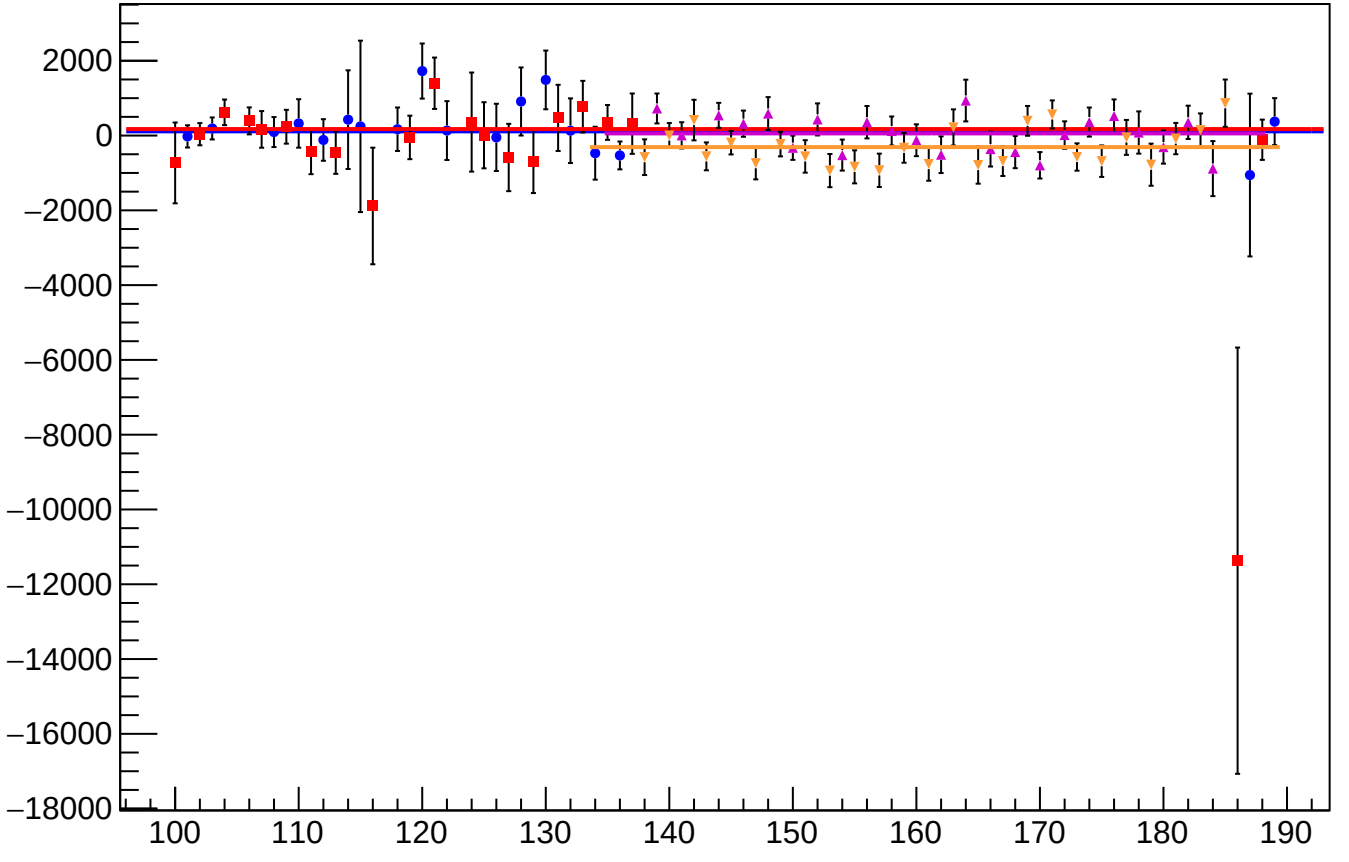
Right: 332.900+/-0.062 χ^2/NDF: 4828410.9/38

In: 366.784+/-0.052 χ^2/NDF:2583992.7/40

Out: 359.976+/-0.050 χ^2/NDF:3753307.7/45

All: 363.227+/-0.036 χ^2/NDF: 6346226.7/86

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 112.670+/-129.926 χ^2/NDF: 13.4/17

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 173.366+/-122.841 χ^2/NDF: 17.5/20

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

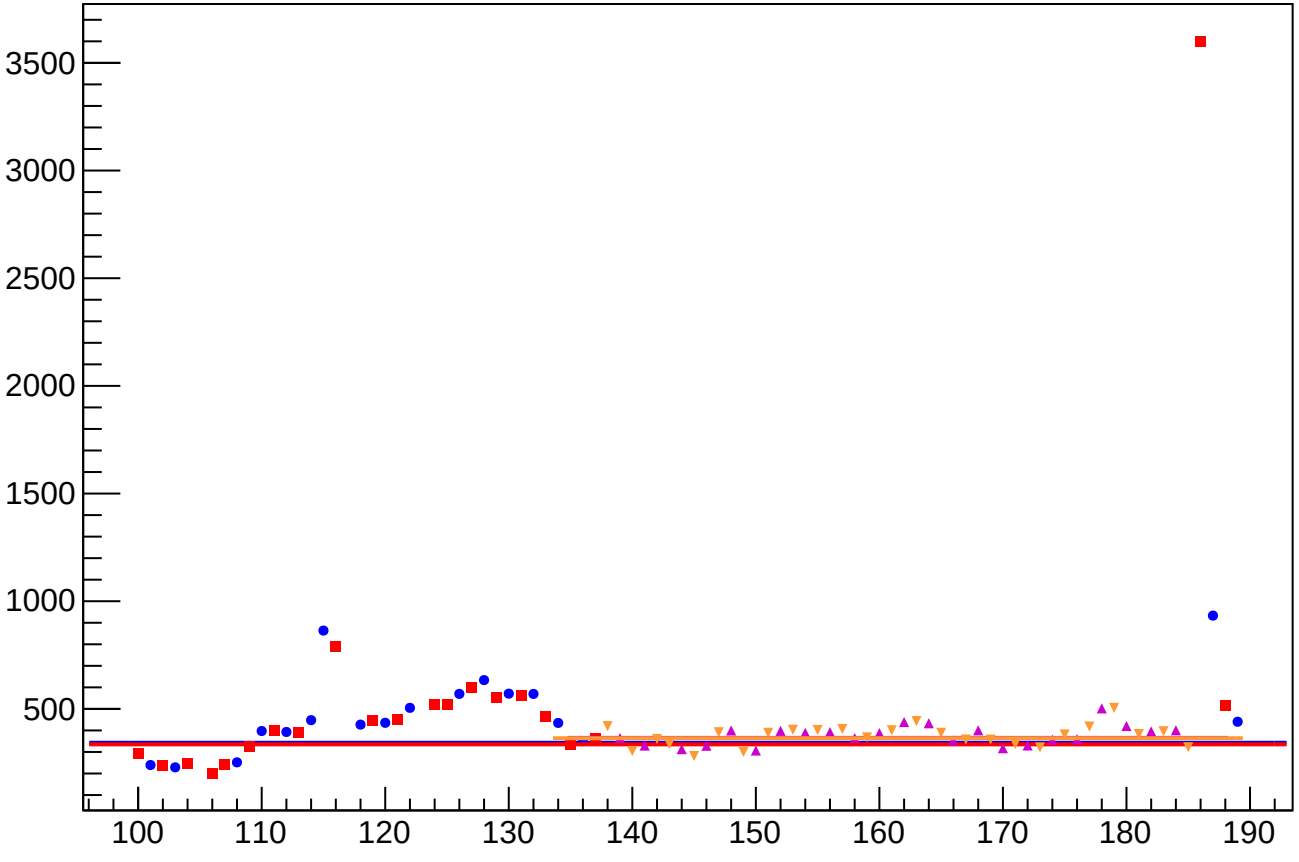
Right: 144.718+/-89.261 χ^2/NDF: 31.1/38

In: 74.399+/-71.843 χ^2/NDF:41.5/40

Out: -156.271+/-69.173 χ^2/NDF:58.1/45

All: -45.303+/-49.830 χ^2/NDF: 104.9/86

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 342.679+/-0.092 χ^2/NDF: 1819482.5/17

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 335.295+/-0.087 χ^2/NDF: 2557562.3/20

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

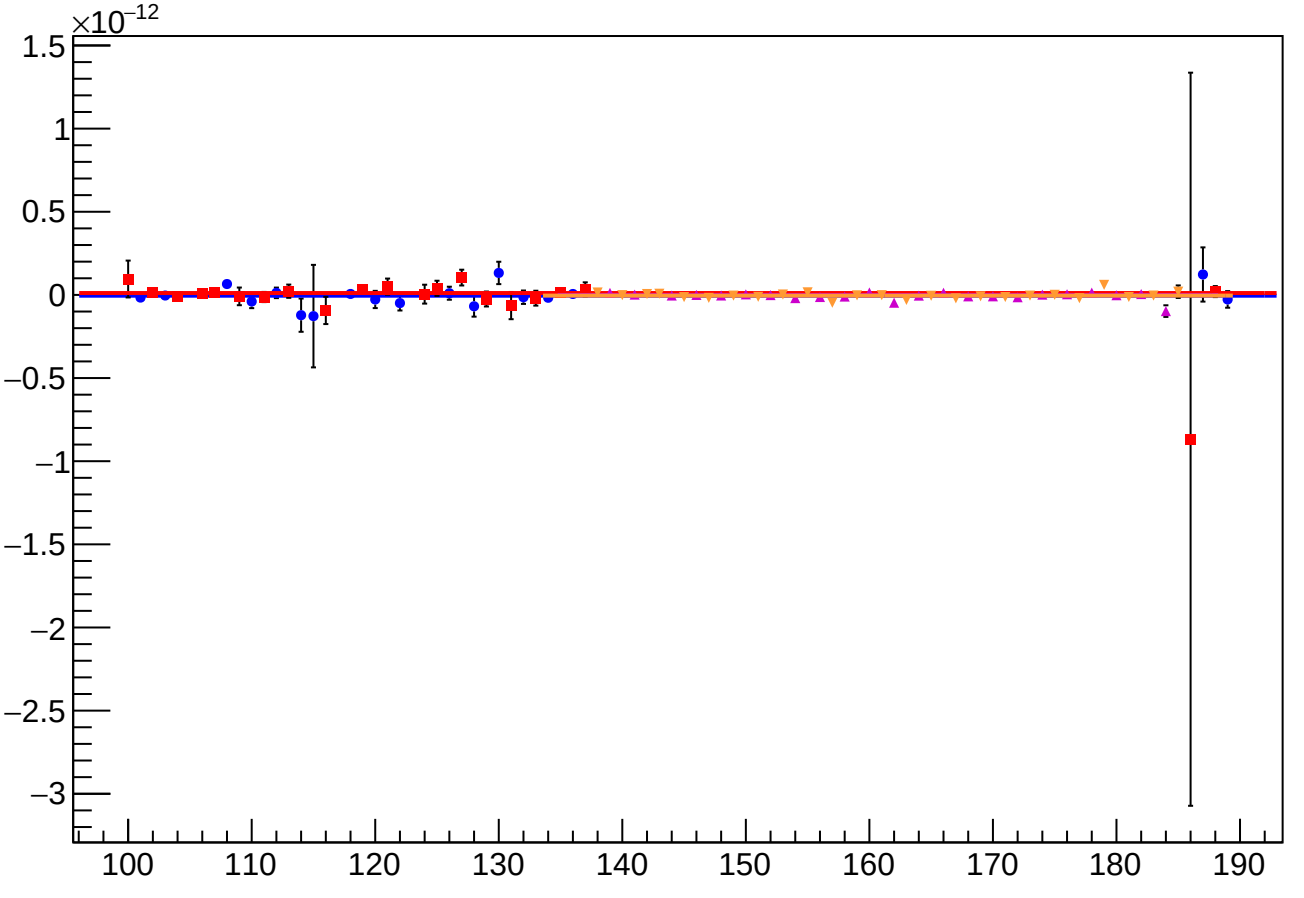
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 338.780+/-0.063 χ^2/NDF: 4380455.5/38

In: 358.400+/-0.051 χ^2/NDF:2371158.0/40

Out: 354.703+/-0.049 χ^2/NDF:3299908.5/45

All: 356.481+/-0.035 χ^2/NDF: 5673815.5/86



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/20

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

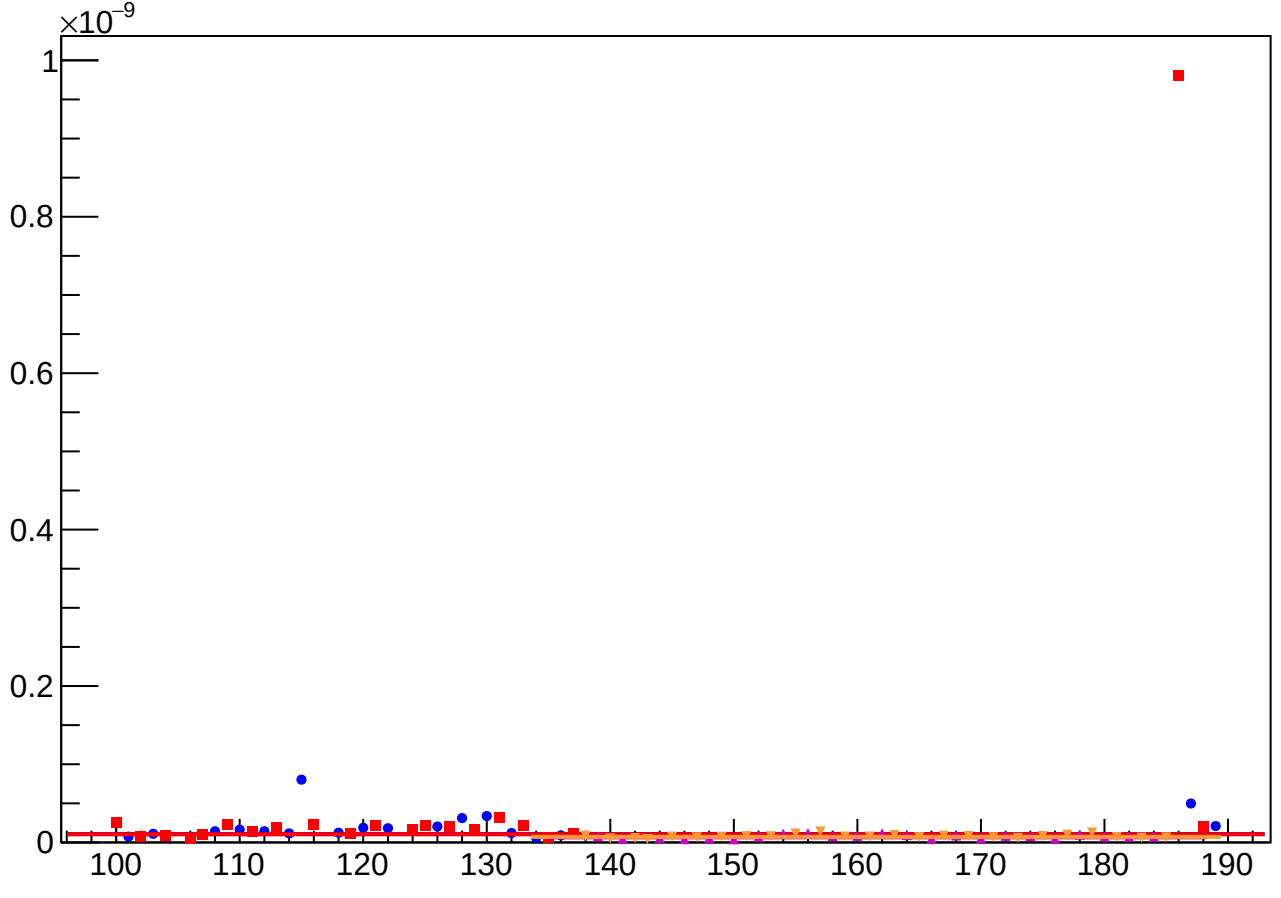
Right: 0.000+/-0.000 χ^2/NDF: 33.1/38

In: -0.000+/-0.000 χ^2/NDF:39.3/40

Out: -0.000+/-0.000 χ^2/NDF:39.6/45

All: -0.000+/-0.000 χ^2/NDF: 78.9/86

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1386461.7/17

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2014449.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

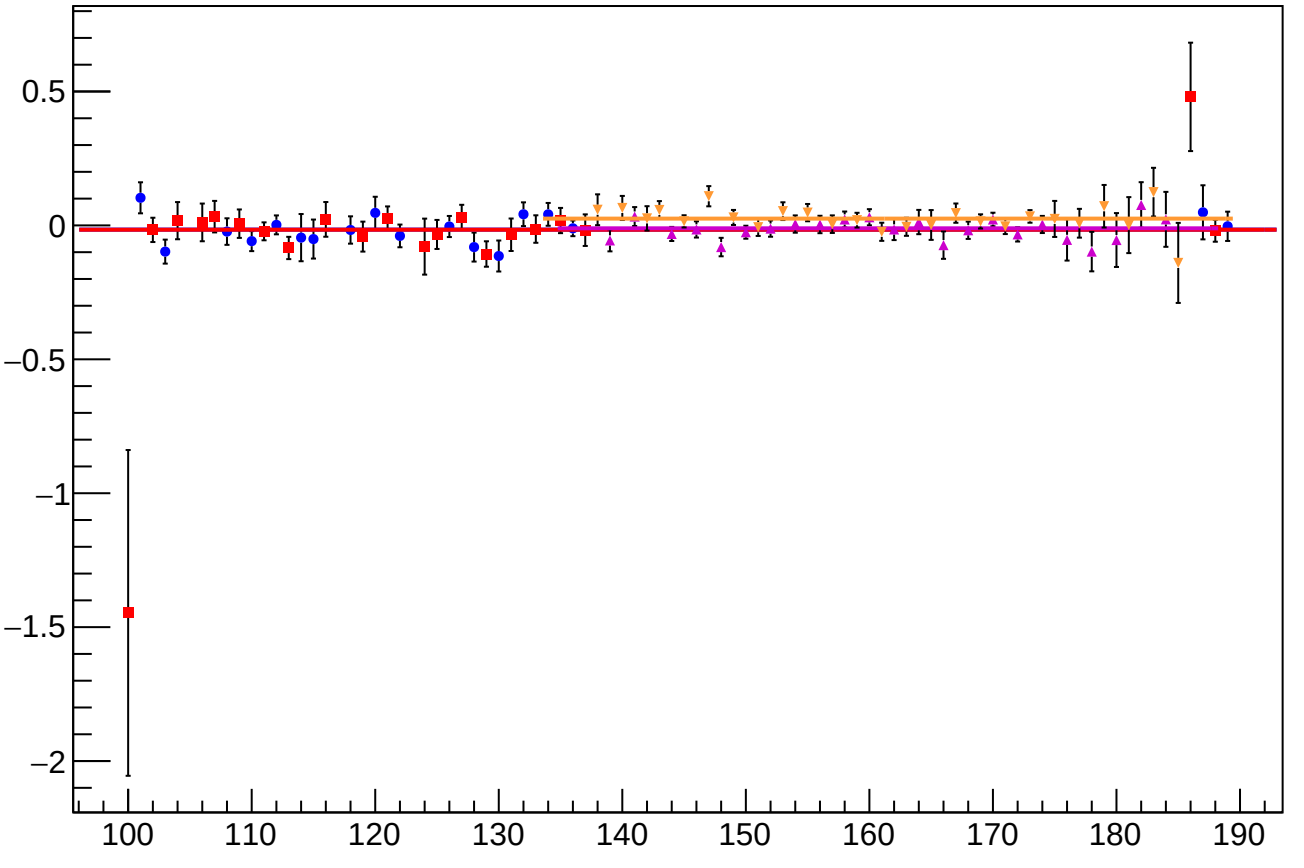
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 3402552.4/38

In: 0.000+/-0.000 χ^2/NDF:3352133.9/40

Out: 0.000+/-0.000 χ^2/NDF:3356235.8/45

All: 0.000+/-0.000 χ^2/NDF: 6757994.5/86



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

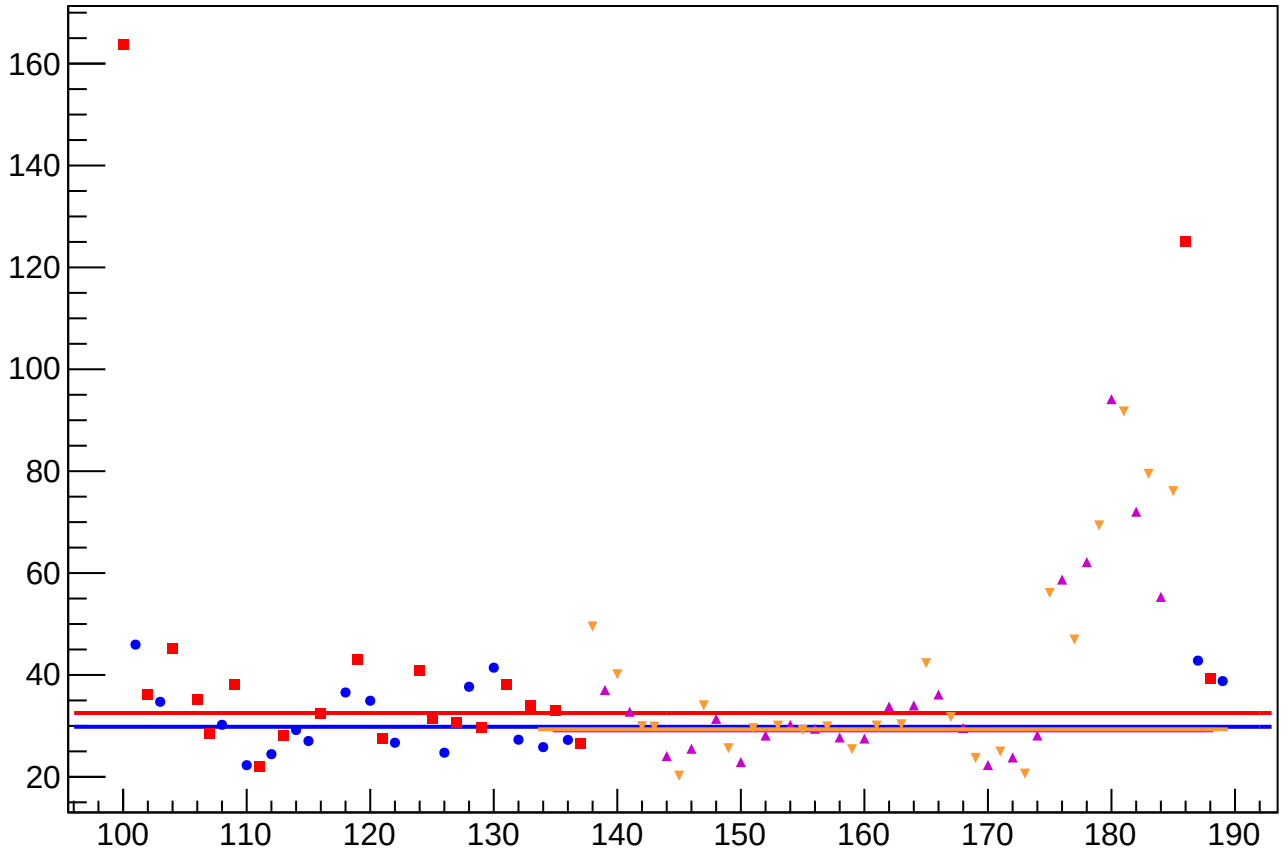
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 42.2/38

In: -0.012+/-0.006 χ^2/NDF:38.4/40

Out: 0.014+/-0.006 χ^2/NDF:49.5/45

All: 0.001+/-0.004 χ^2/NDF: 97.2/86



Right In: 29.828+/-0.008 χ^2/NDF: 652246.3/17

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 32.530+/-0.008 χ^2/NDF: 1054929.9/20

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

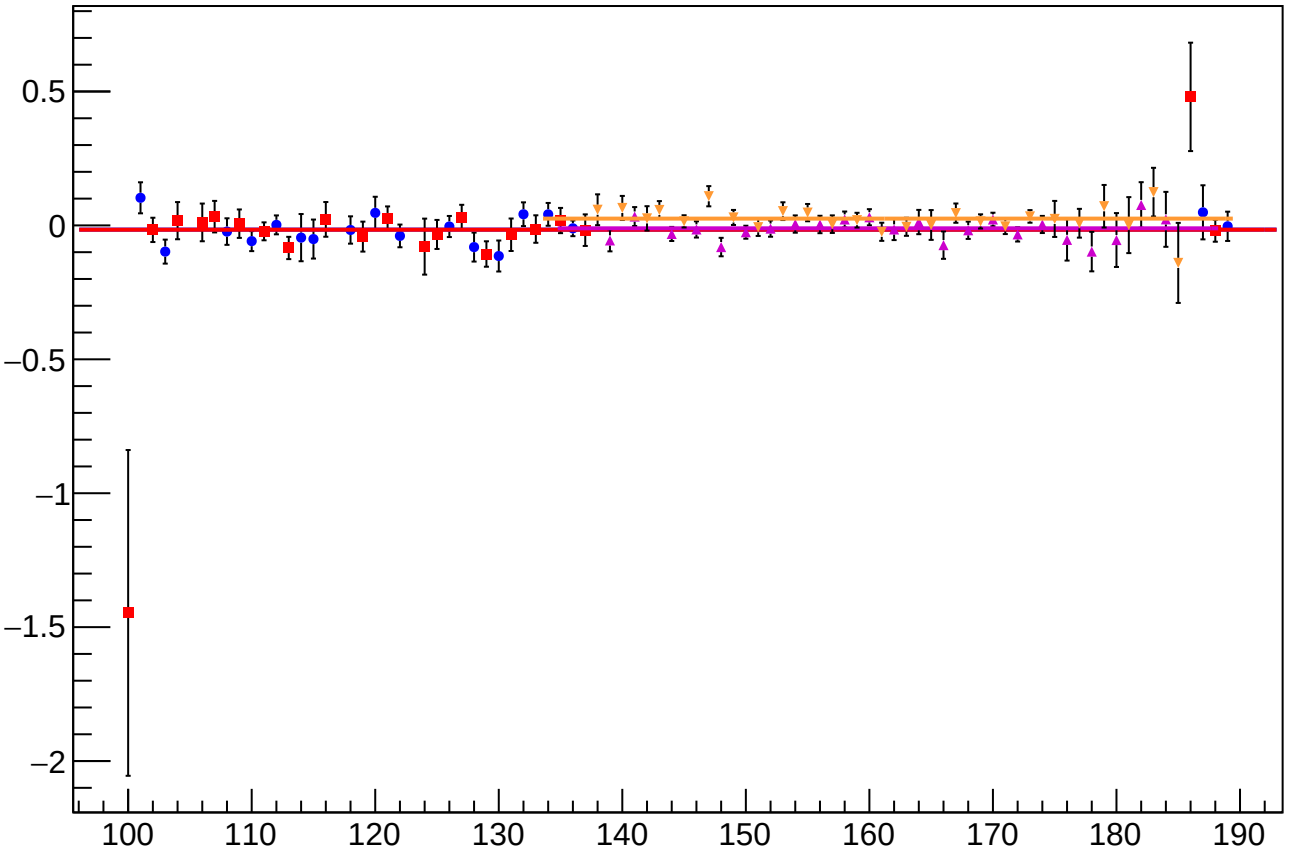
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 31.115+/-0.006 χ^2/NDF: 1764180.9/38

In: 29.338+/-0.004 χ^2/NDF:3497018.8/40

Out: 30.221+/-0.004 χ^2/NDF:5039669.2/45

All: 29.779+/-0.003 χ^2/NDF: 8557664.0/86



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

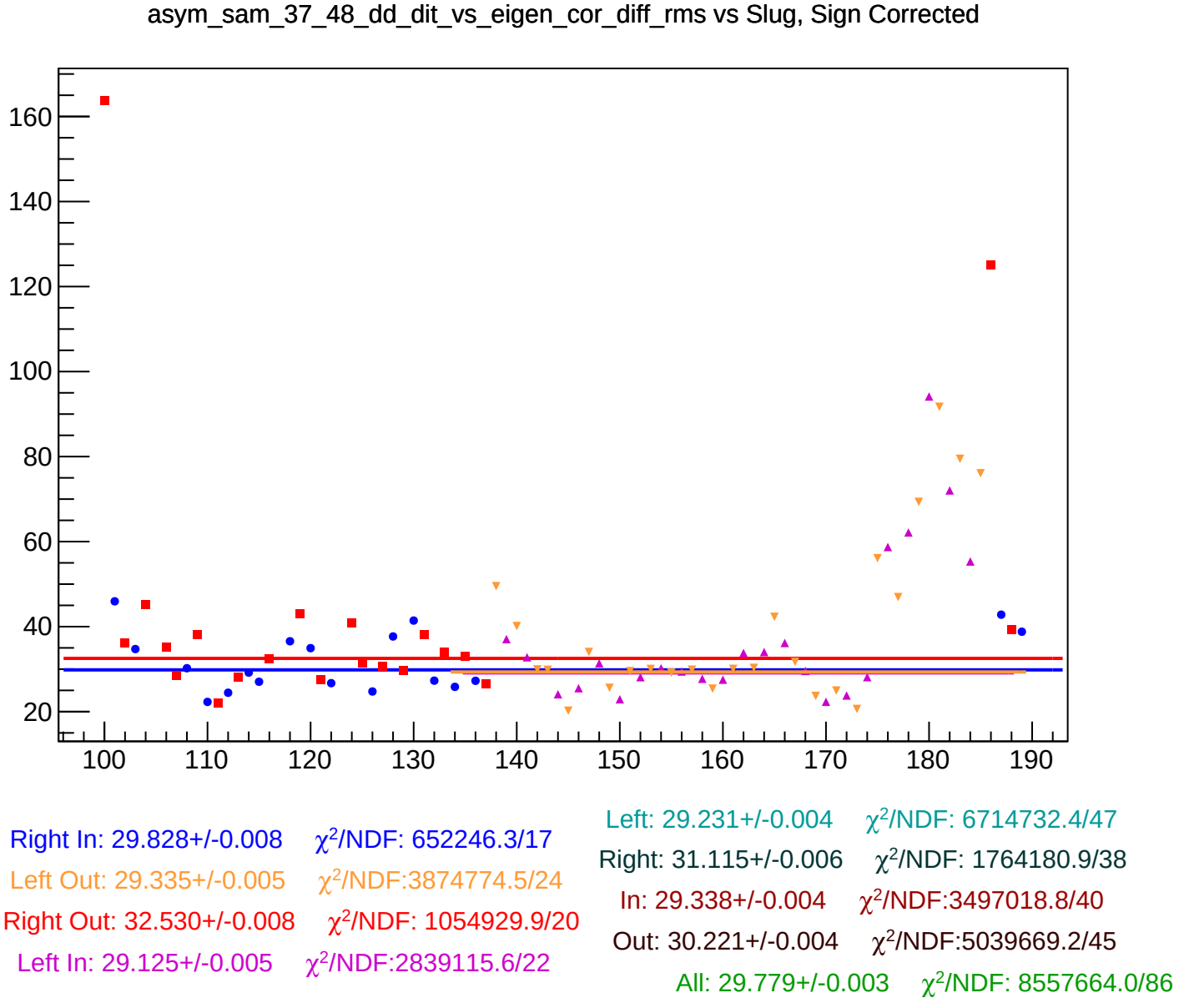
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

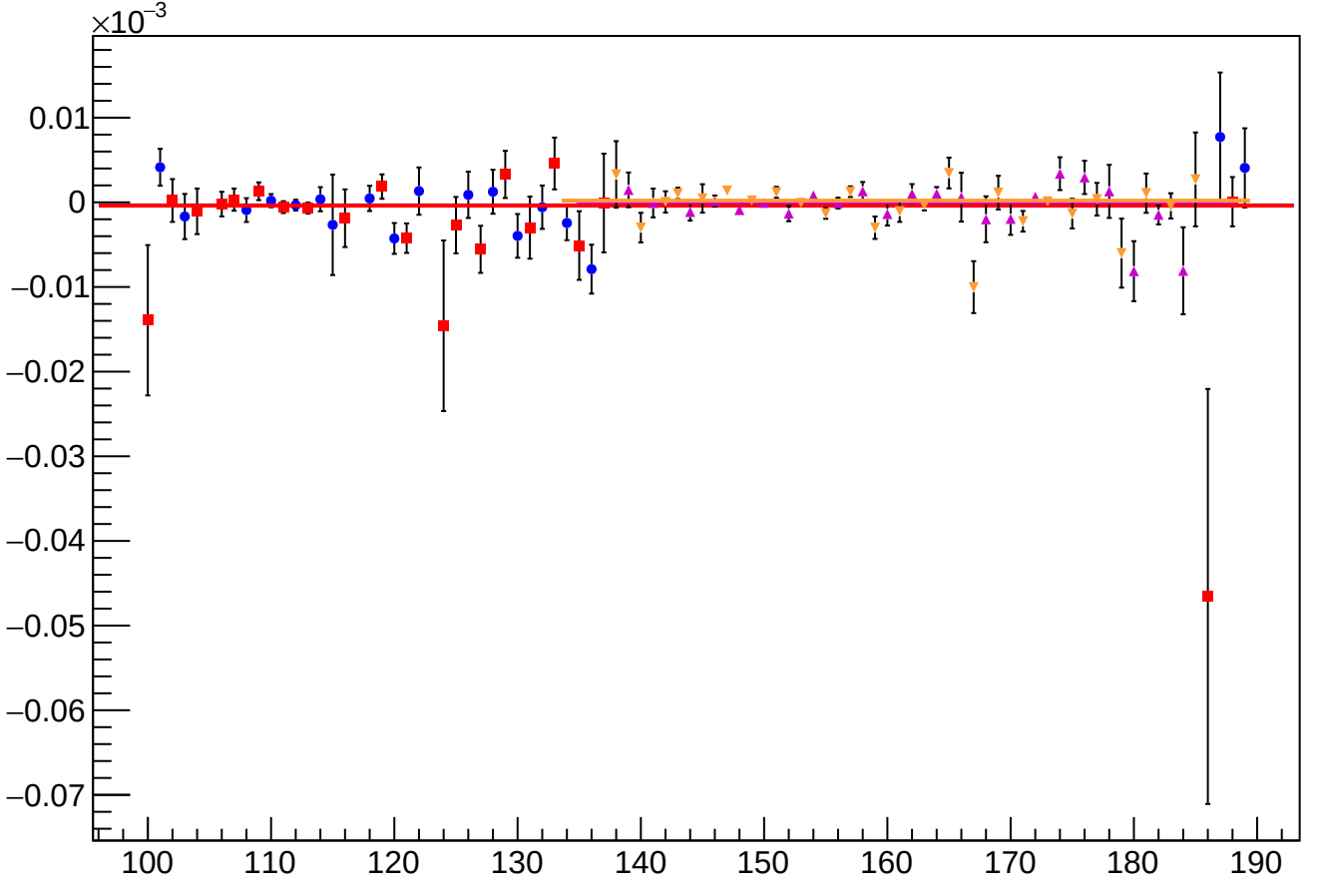
Right: -0.016+/-0.008 χ^2/NDF: 42.2/38

In: -0.012+/-0.006 χ^2/NDF:38.4/40

Out: 0.014+/-0.006 χ^2/NDF:49.5/45

All: 0.001+/-0.004 χ^2/NDF: 97.2/86


asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
190
Right In: 29.828+/-0.008 χ²/NDF: 652246.3/17
Left Out: 29.335+/-0.005 χ²/NDF:3874774.5/24
Right Out: 32.530+/-0.008 χ²/NDF: 1054929.9/20
Left In: 29.125+/-0.005 χ²/NDF:2839115.6/22
Left: 29.231+/-0.004 χ²/NDF: 6714732.4/47
Right: 31.115+/-0.006 χ²/NDF: 1764180.9/38
In: 29.338+/-0.004 χ²/NDF:3497018.8/40
Out: 30.221+/-0.004 χ²/NDF:5039669.2/45
All: 29.779+/-0.003 χ²/NDF: 8557664.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/20

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

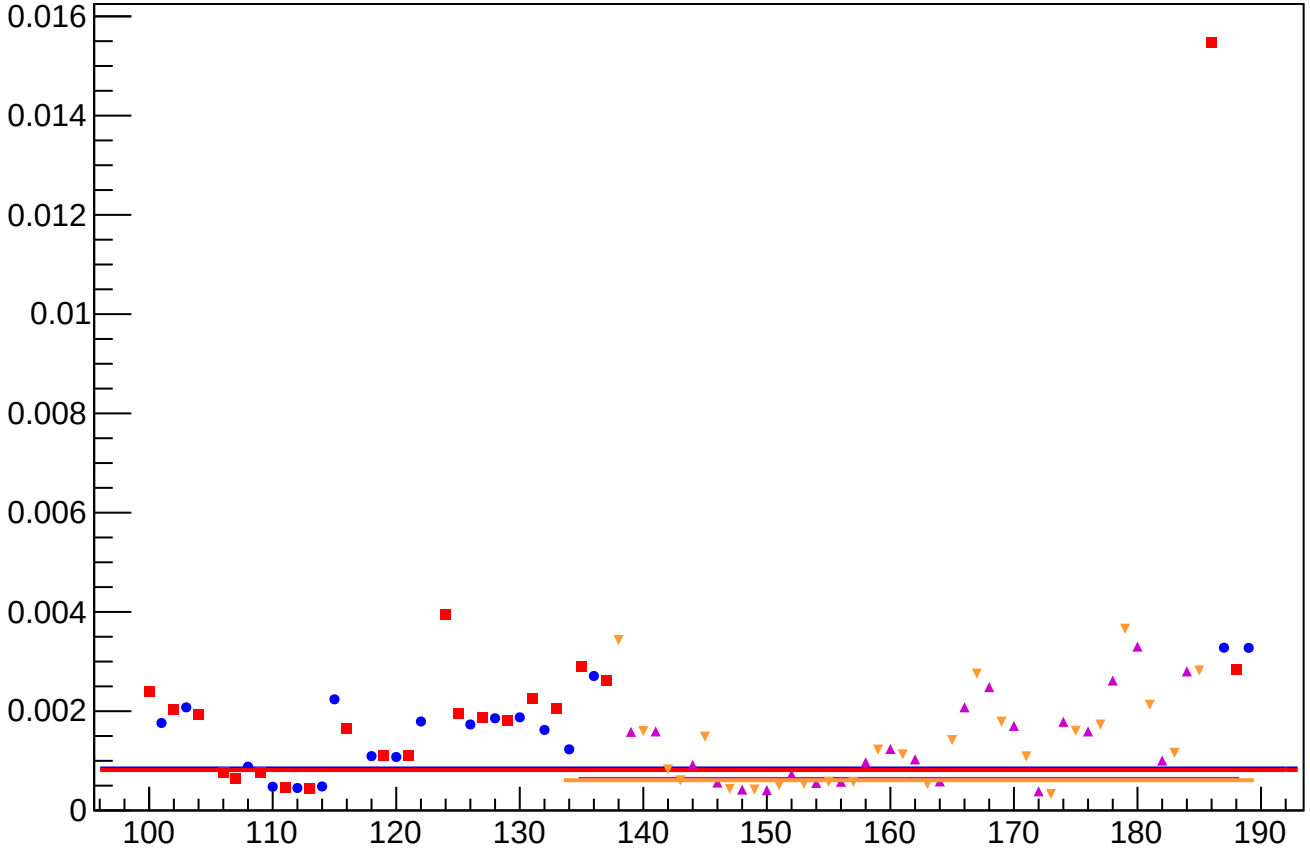
Right: -0.000+/-0.000 χ^2/NDF: 52.2/38

In: -0.000+/-0.000 χ^2/NDF:57.0/40

Out: 0.000+/-0.000 χ^2/NDF:83.8/45

All: 0.000+/-0.000 χ^2/NDF: 141.3/86

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5198868.6/17

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6340887.7/20

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

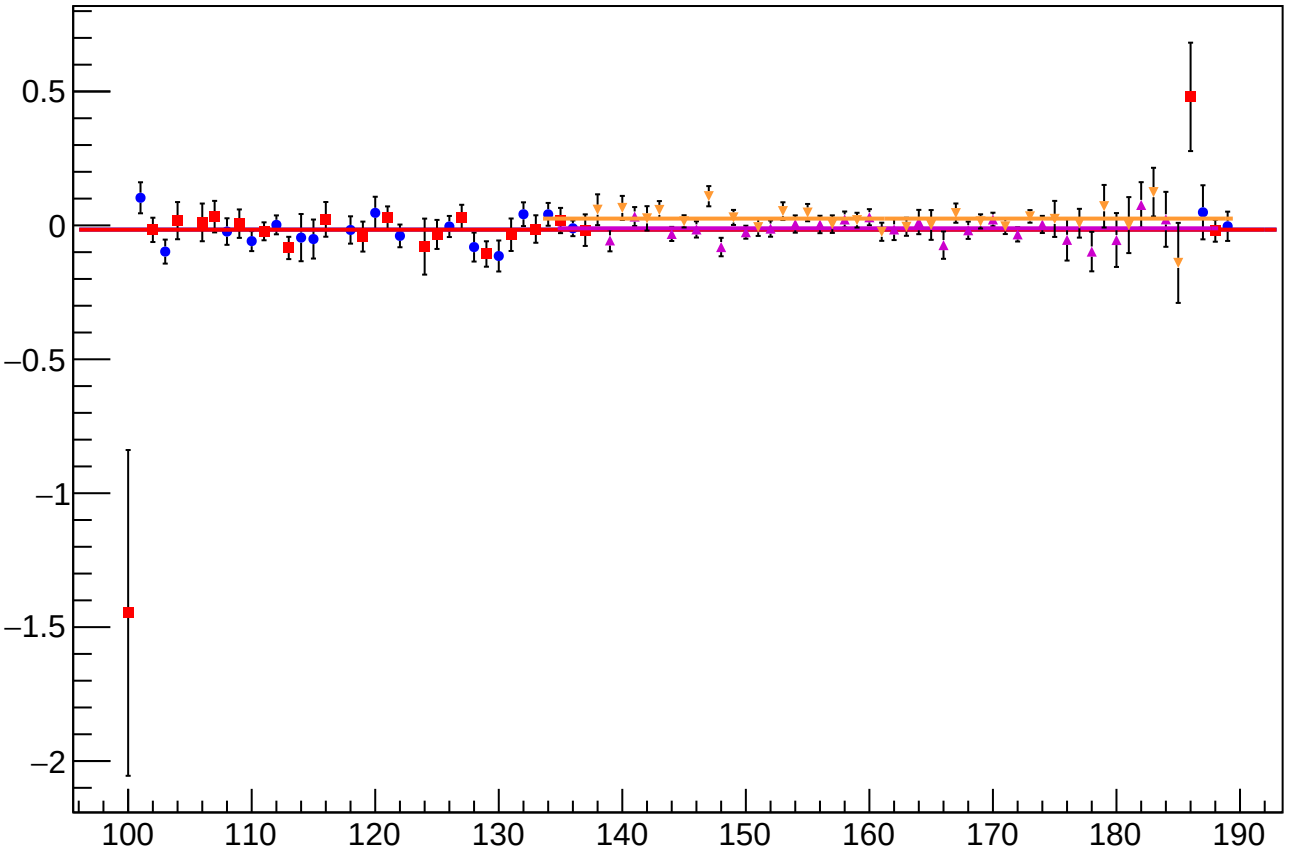
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 11547628.9/38

In: 0.001+/-0.000 χ^2/NDF:15099750.1/40

Out: 0.001+/-0.000 χ^2/NDF:17870485.9/45

All: 0.001+/-0.000 χ^2/NDF: 33001067.0/86



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

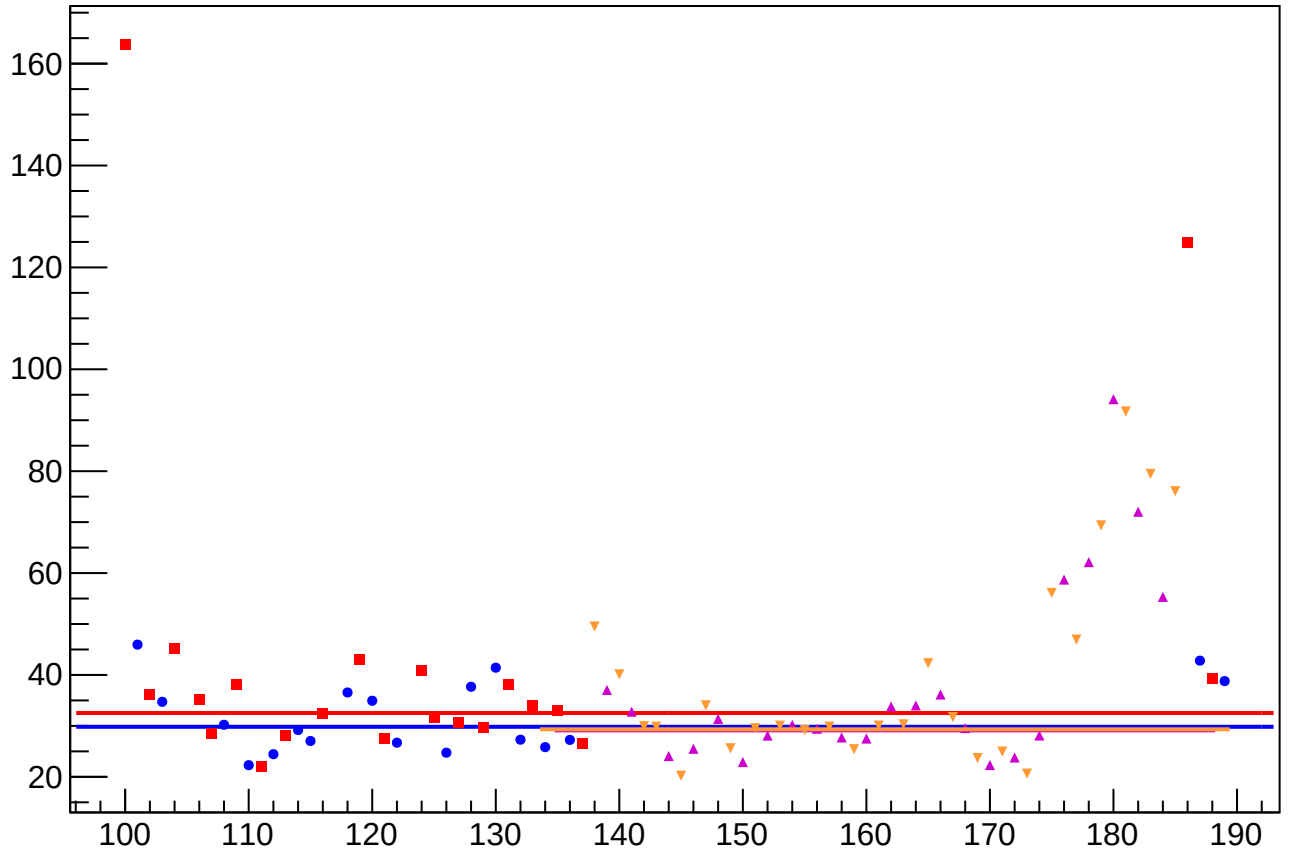
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 42.1/38

In: -0.012+/-0.006 χ^2/NDF:38.4/40

Out: 0.014+/-0.006 χ^2/NDF:49.5/45

All: 0.001+/-0.004 χ^2/NDF: 97.2/86



Right In: 29.828+/-0.008 χ^2/NDF: 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 32.531+/-0.008 χ^2/NDF: 1054879.0/20

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

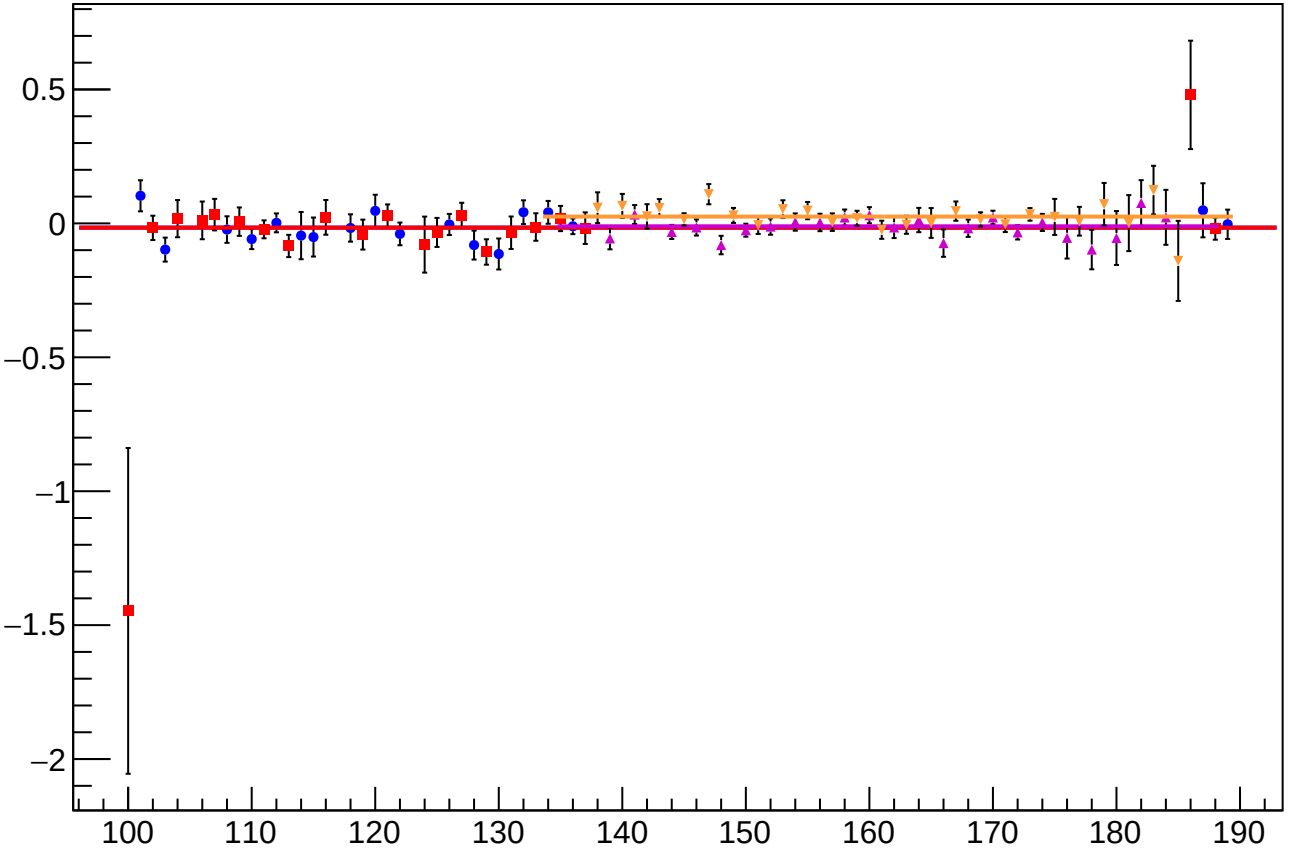
Right: 31.115+/-0.006 χ^2/NDF: 1764104.6/38

In: 29.338+/-0.004 χ^2/NDF:3496955.0/40

Out: 30.221+/-0.004 χ^2/NDF:5039712.0/45

All: 29.779+/-0.003 χ^2/NDF: 8557642.8/86

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 19.3/17

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

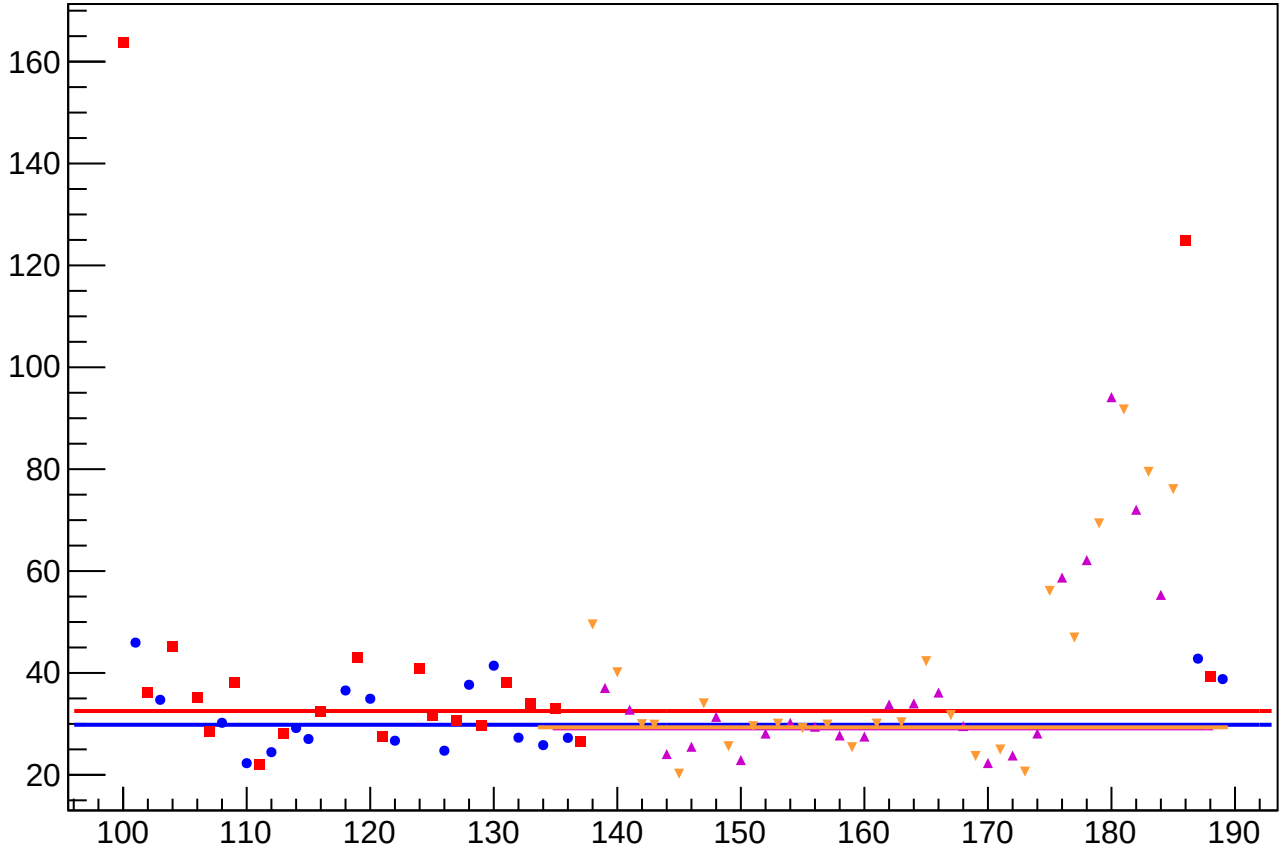
Right: -0.016+/-0.008 χ^2/NDF: 42.1/38

In: -0.012+/-0.006 χ^2/NDF:38.4/40

Out: 0.014+/-0.006 χ^2/NDF:49.5/45

All: 0.001+/-0.004 χ^2/NDF: 97.2/86

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.828+/-0.008 χ^2/NDF: 652215.6/17

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 32.531+/-0.008 χ^2/NDF: 1054879.0/20

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

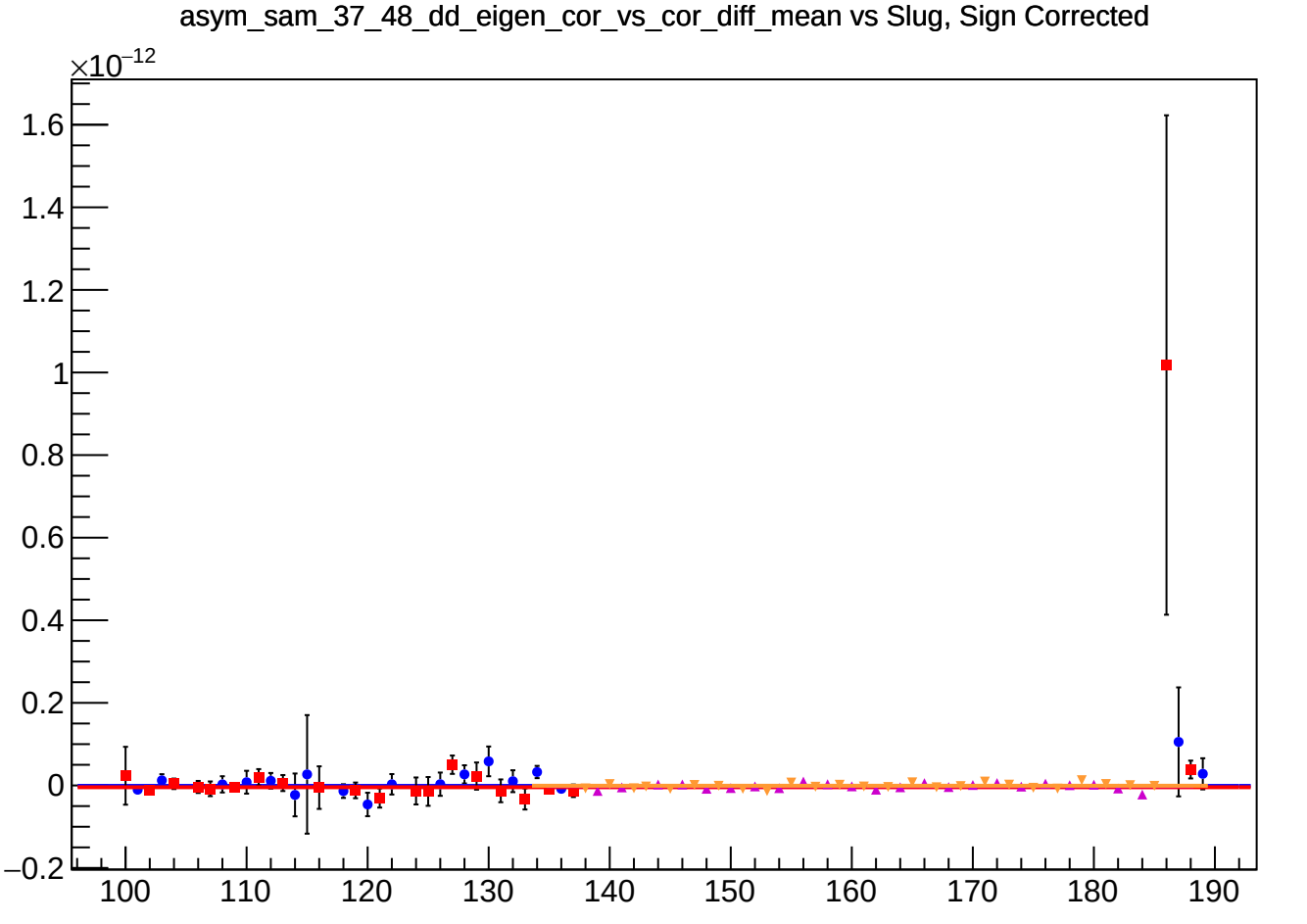
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 31.115+/-0.006 χ^2/NDF: 1764104.6/38

In: 29.338+/-0.004 χ^2/NDF:3496955.0/40

Out: 30.221+/-0.004 χ^2/NDF:5039712.0/45

All: 29.779+/-0.003 χ^2/NDF: 8557642.8/86



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/20

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

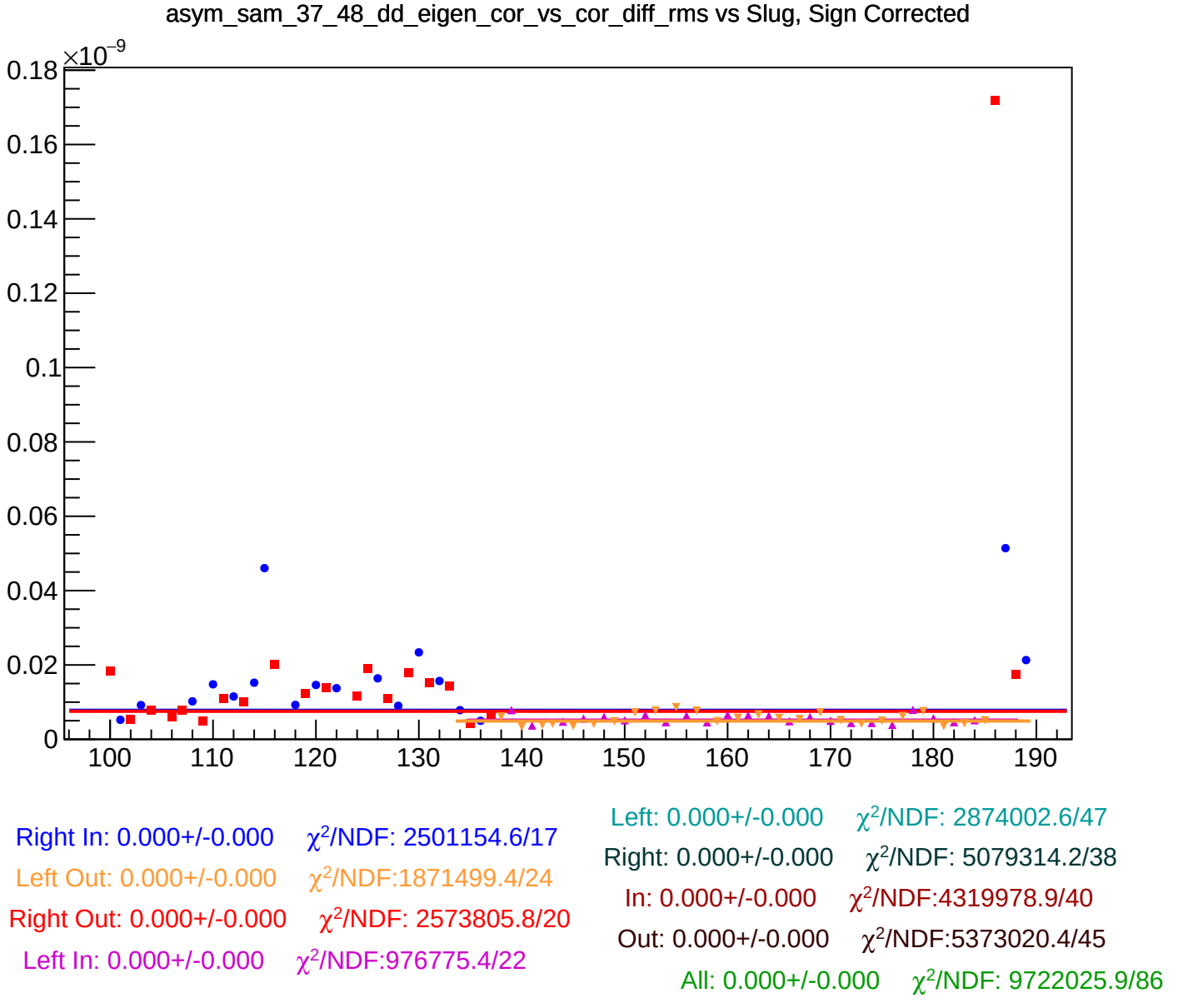
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

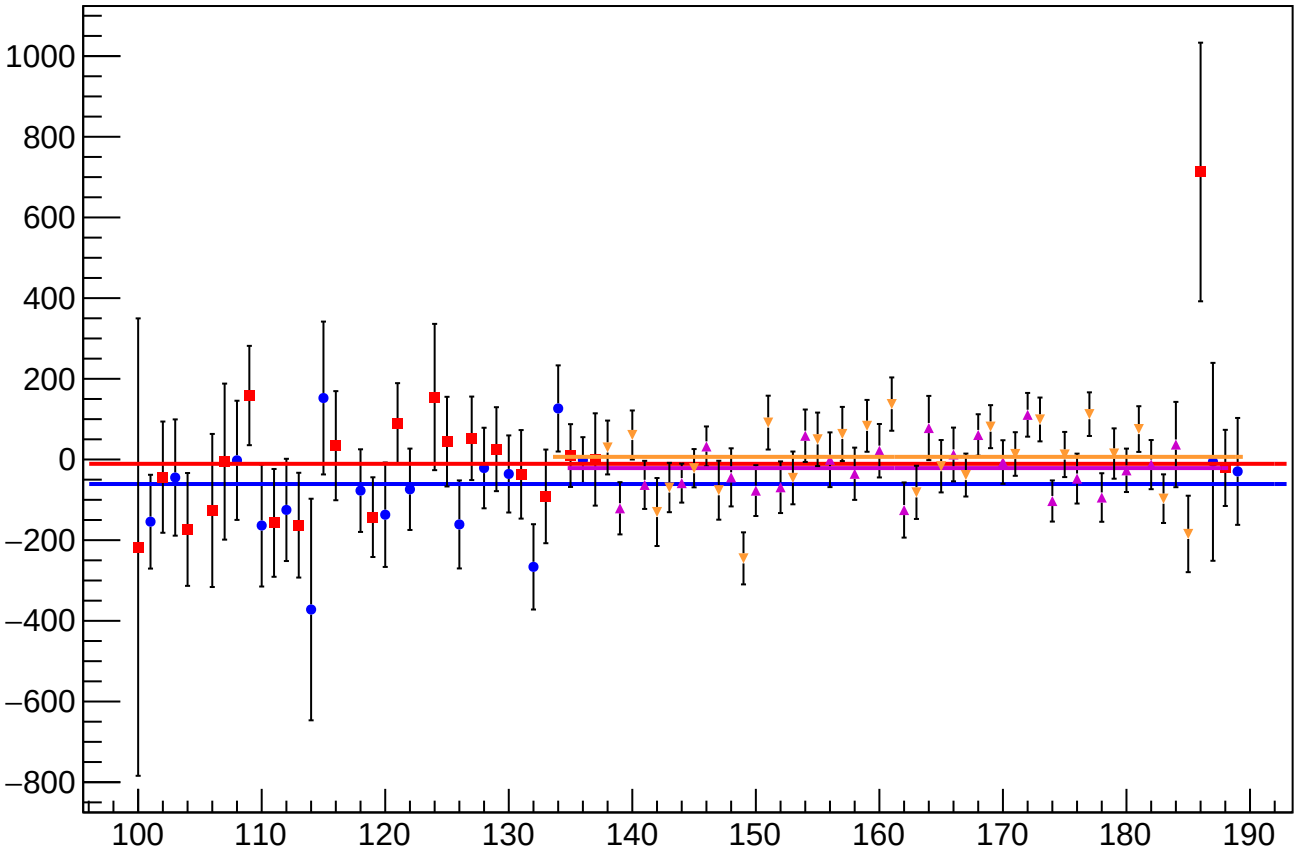
Right: -0.000+/-0.000 χ^2/NDF: 38.8/38

In: -0.000+/-0.000 χ^2/NDF:34.7/40

Out: -0.000+/-0.000 χ^2/NDF:36.2/45

All: -0.000+/-0.000 χ^2/NDF: 71.0/86


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2501154.6/17
Left Out: 0.000+/-0.000 χ²/NDF:1871499.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2573805.8/20
Left In: 0.000+/-0.000 χ²/NDF:976775.4/22
Left: 0.000+/-0.000 χ²/NDF: 2874002.6/47
Right: 0.000+/-0.000 χ²/NDF: 5079314.2/38
In: 0.000+/-0.000 χ²/NDF:4319978.9/40
Out: 0.000+/-0.000 χ²/NDF:5373020.4/45
All: 0.000+/-0.000 χ²/NDF: 9722025.9/86



Right In: -60.802+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -10.737+/-26.549 χ^2/NDF: 16.6/20

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

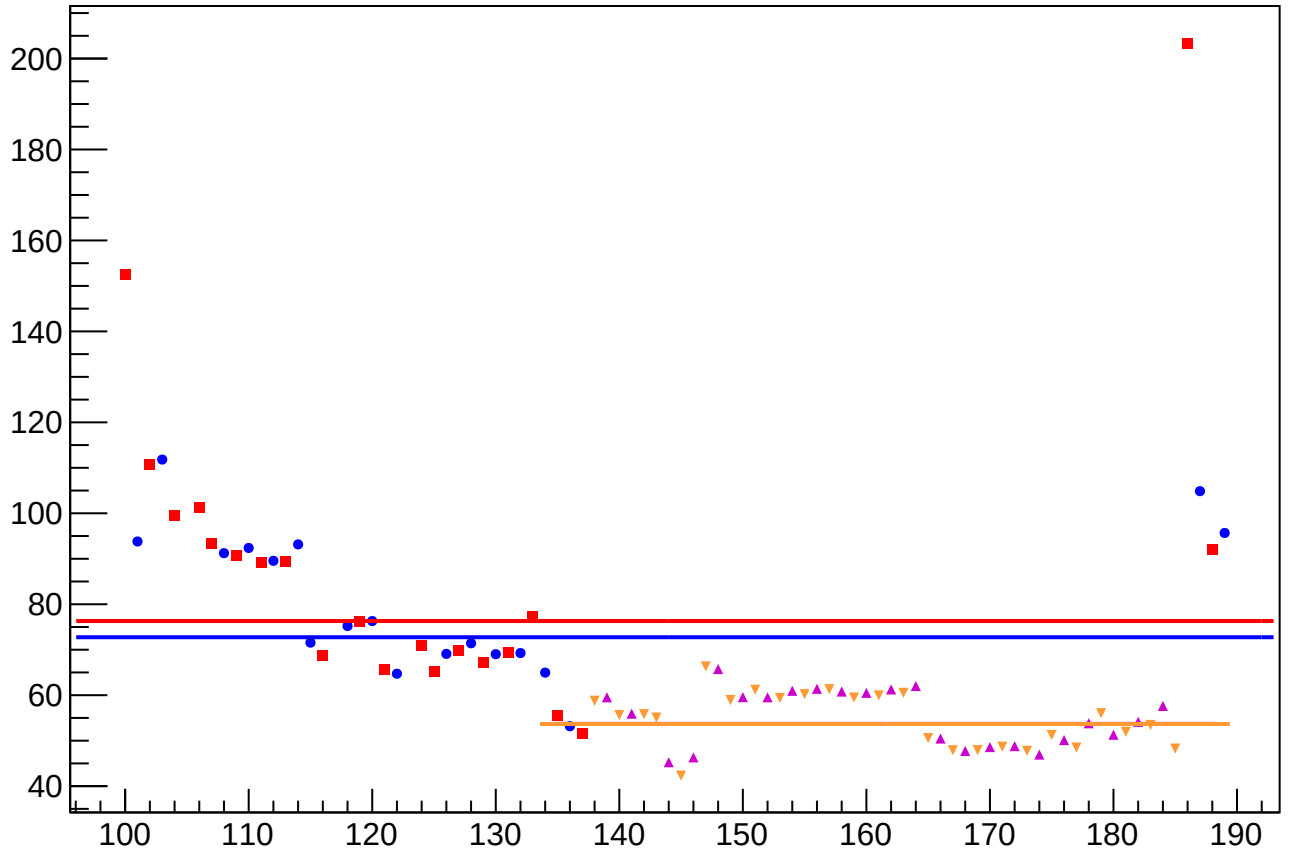
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -35.815+/-18.756 χ^2/NDF: 32.0/38

In: -28.659+/-11.416 χ^2/NDF:40.8/40

Out: 3.478+/-11.151 χ^2/NDF:67.5/45

All: -12.214+/-7.977 χ^2/NDF: 112.4/86



Right In: 72.746+/-0.019 χ^2/NDF: 690131.4/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.312+/-0.019 χ^2/NDF: 1021879.9/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

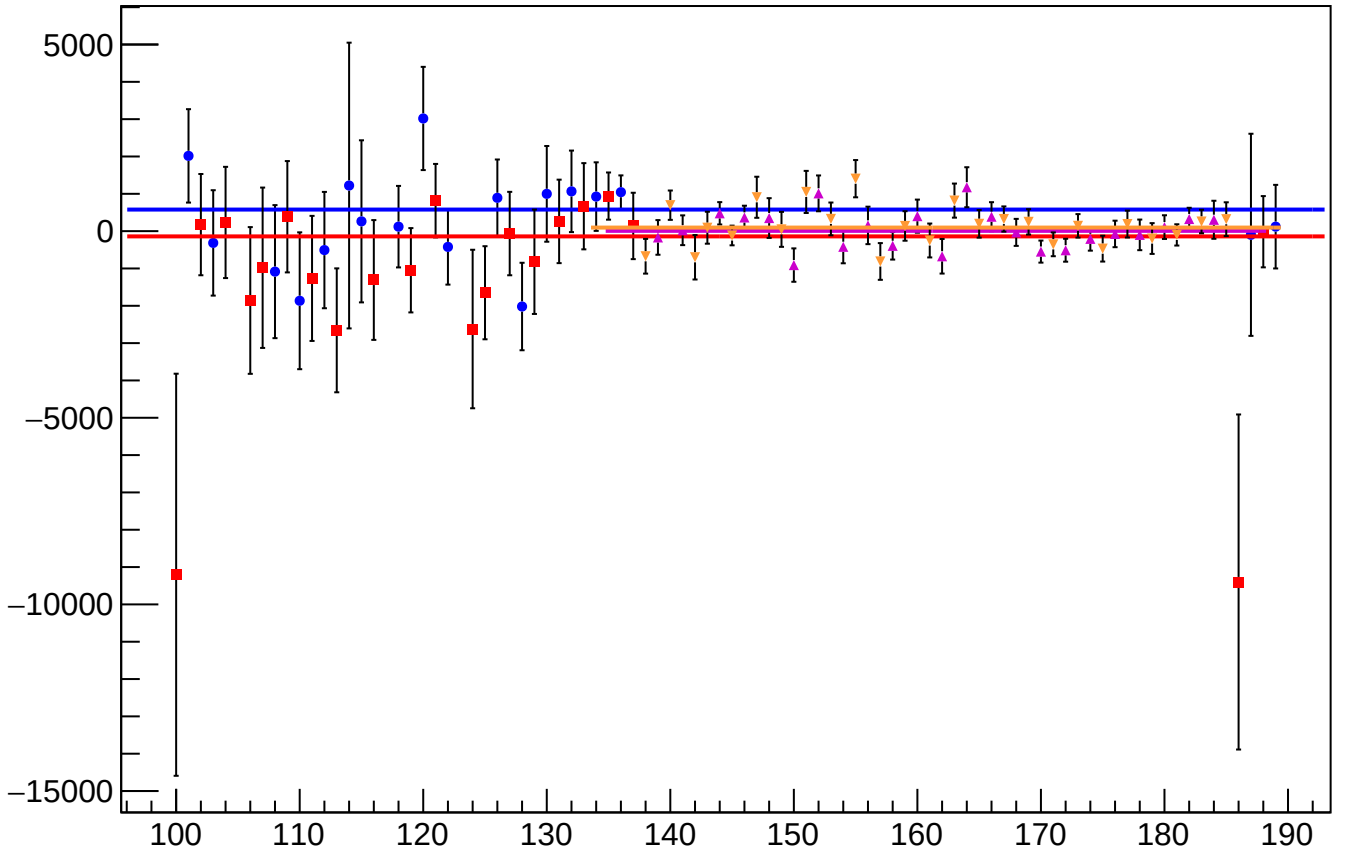
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.526+/-0.013 χ^2/NDF: 1730082.0/38

In: 57.230+/-0.008 χ^2/NDF:2003317.0/40

Out: 57.661+/-0.008 χ^2/NDF:2692557.6/45

All: 57.450+/-0.006 χ^2/NDF: 4697332.0/86



Right In: 577.998+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -140.681+/-271.981 χ^2/NDF: 19.8/20

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

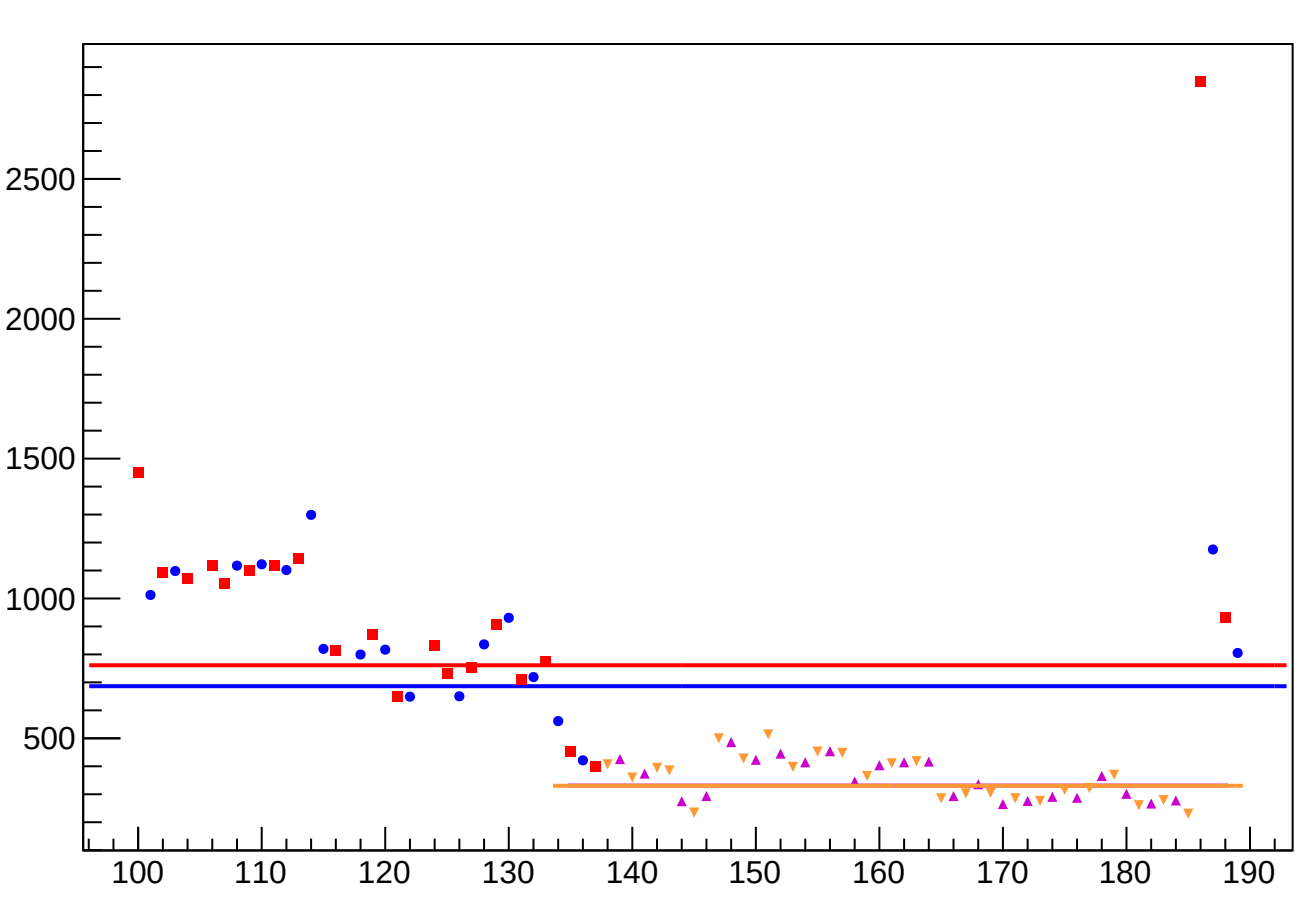
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 237.115+/-187.316 χ^2/NDF: 39.5/38

In: 56.770+/-75.657 χ^2/NDF:52.7/40

Out: 77.878+/-74.208 χ^2/NDF:53.7/45

All: 67.528+/-52.978 χ^2/NDF: 106.5/86



Right In: 686.329+/-0.183 χ^2/NDF: 1709085.1/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 761.199+/-0.192 χ^2/NDF: 2026882.4/20

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

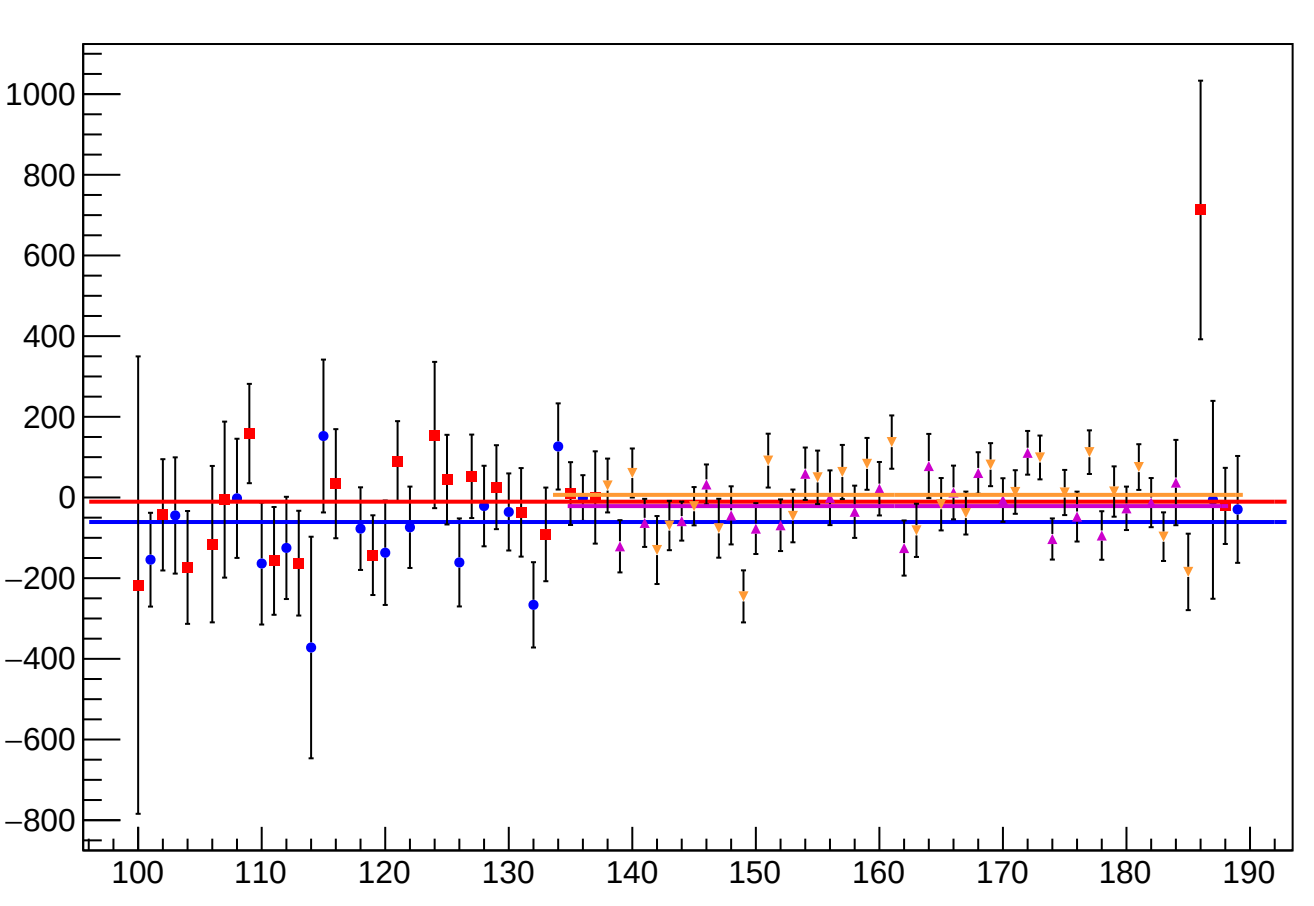
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 721.842+/-0.132 χ^2/NDF: 3815637.3/38

In: 361.525+/-0.053 χ^2/NDF:6492364.8/40

Out: 362.475+/-0.052 χ^2/NDF:8423399.2/45

All: 362.009+/-0.037 χ^2/NDF: 14915924.5/86



Right In: -60.794+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -10.407+/-26.561 χ^2/NDF: 16.5/20

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

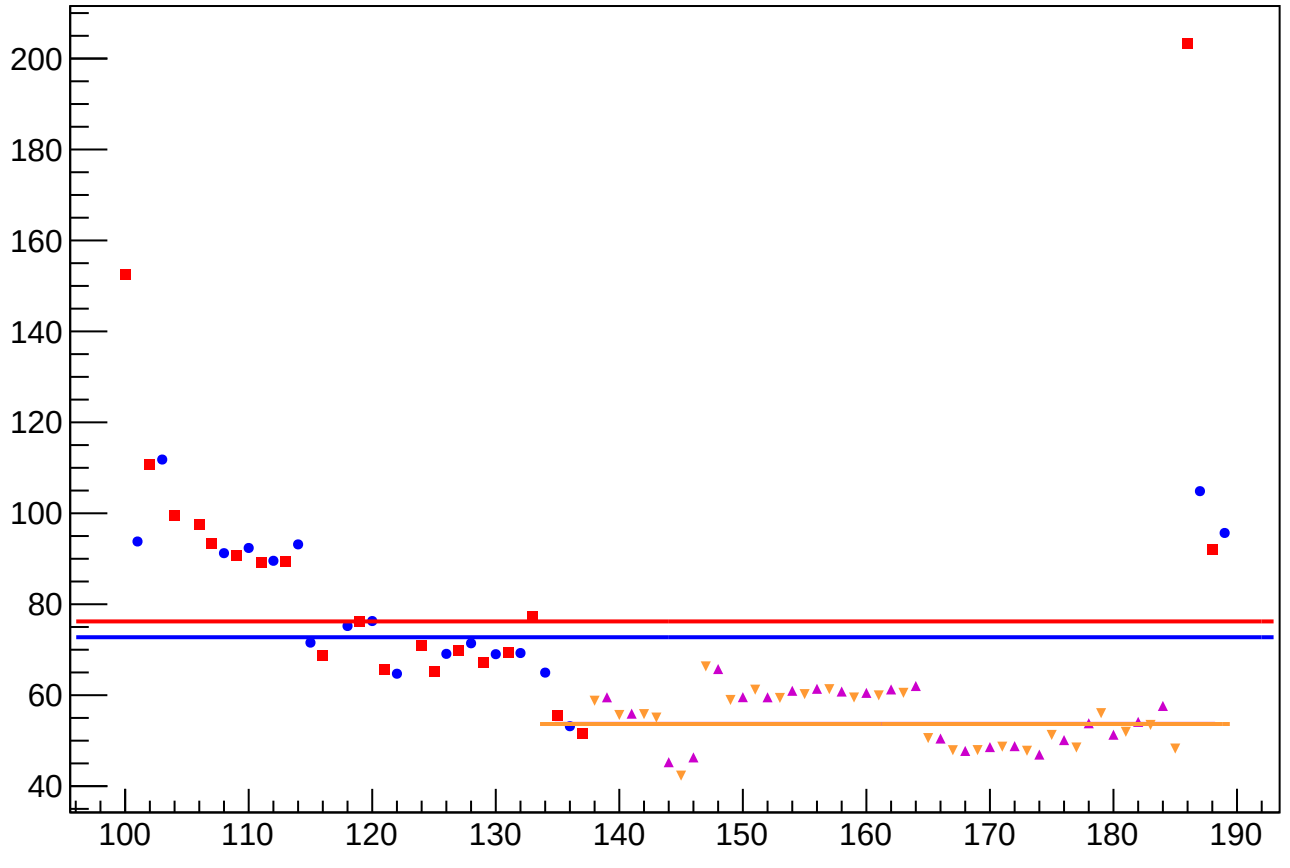
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -35.657+/-18.760 χ^2/NDF: 31.9/38

In: -28.657+/-11.416 χ^2/NDF:40.8/40

Out: 3.541+/-11.152 χ^2/NDF:67.4/45

All: -12.182+/-7.977 χ^2/NDF: 112.3/86



Right In: 72.746+/-0.019 χ^2/NDF: 690133.8/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.222+/-0.019 χ^2/NDF: 1011636.8/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

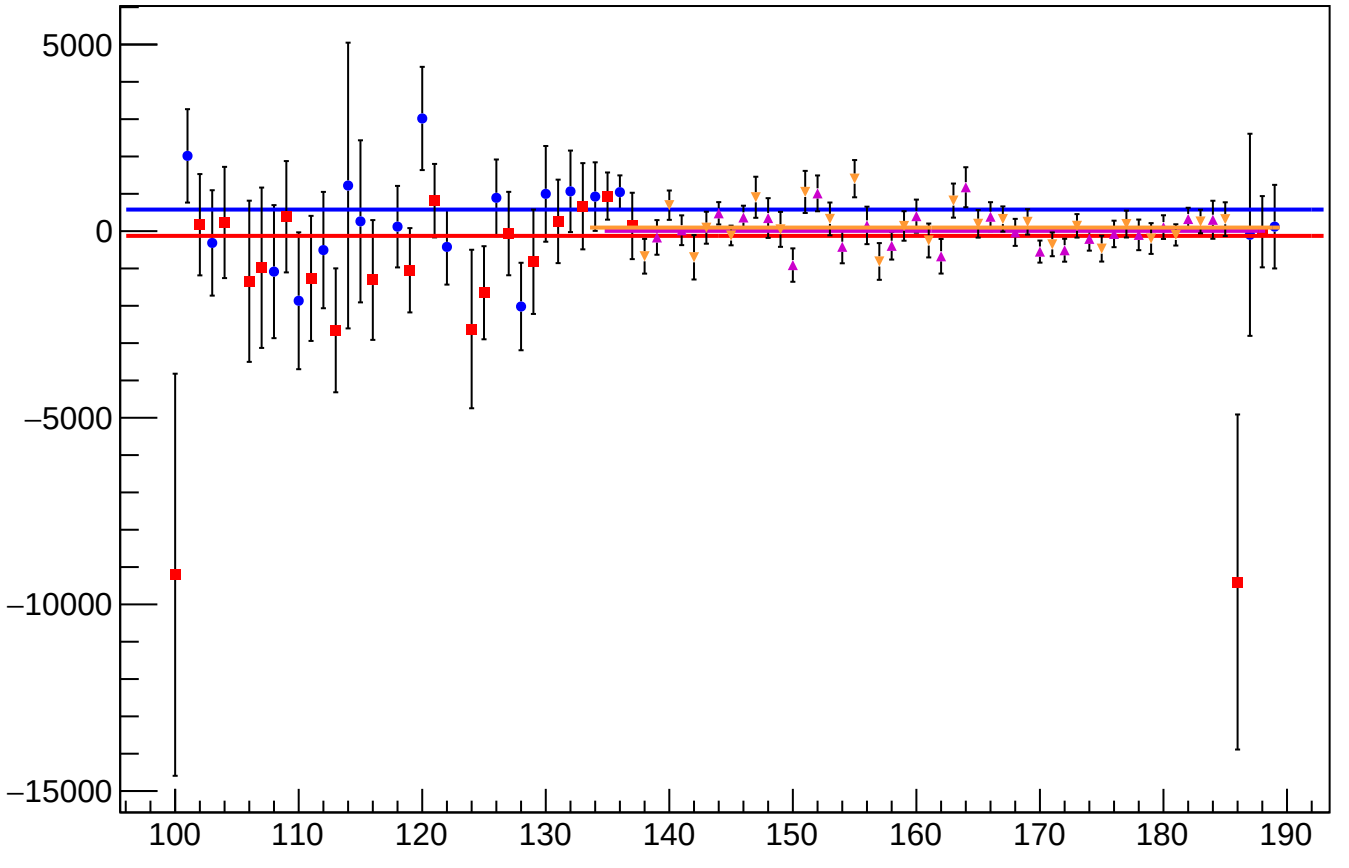
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.480+/-0.013 χ^2/NDF: 1718941.6/38

In: 57.230+/-0.008 χ^2/NDF:2003319.5/40

Out: 57.642+/-0.008 χ^2/NDF:2672044.9/45

All: 57.441+/-0.006 χ^2/NDF: 4676698.7/86



Right In: 577.987+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -126.975+/-272.435 χ^2/NDF: 19.4/20

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

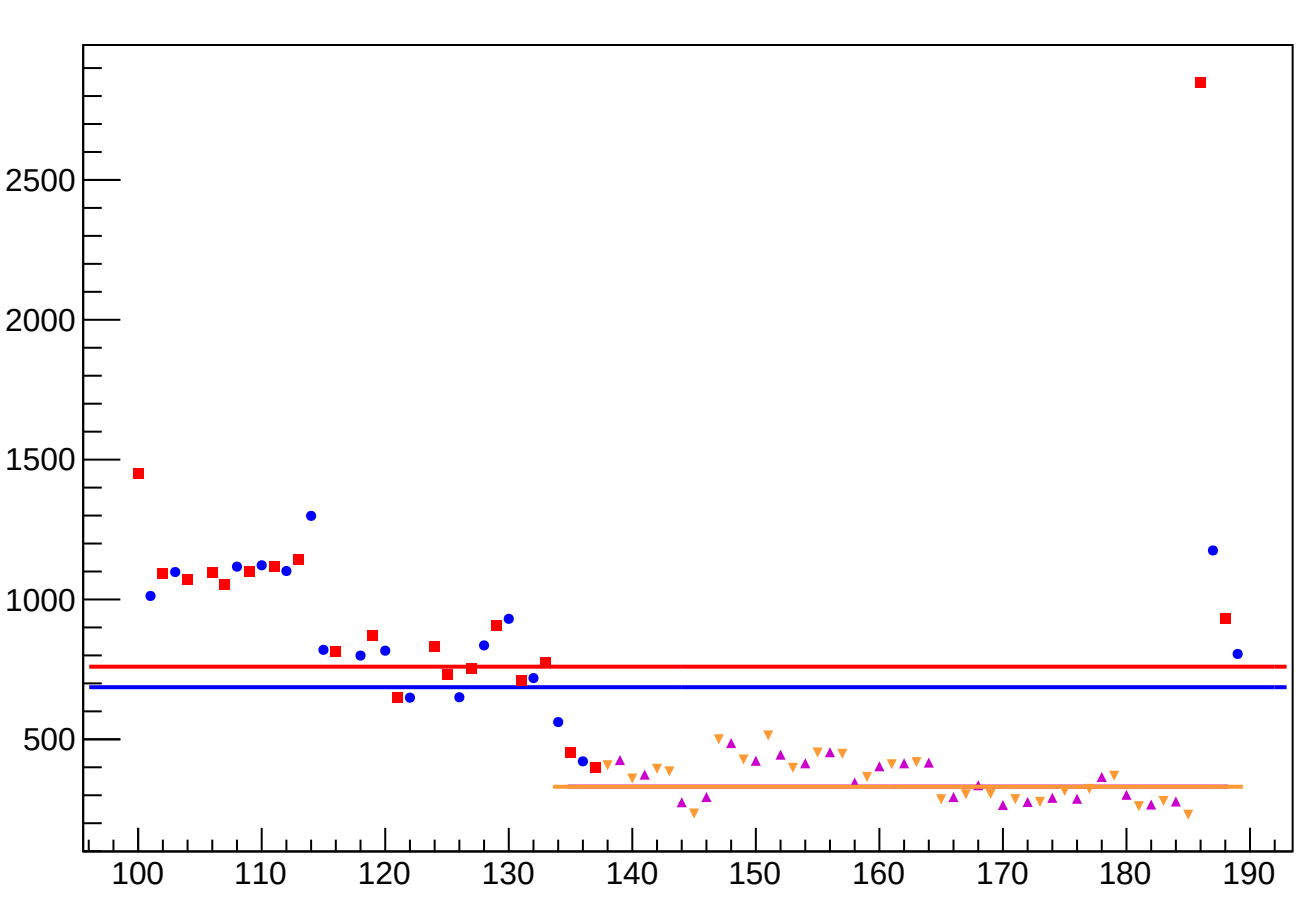
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 244.196+/-187.464 χ^2/NDF: 38.9/38

In: 56.766+/-75.657 χ^2/NDF:52.7/40

Out: 78.951+/-74.217 χ^2/NDF:53.2/45

All: 68.072+/-52.981 χ^2/NDF: 105.9/86



Right In: 686.330+/-0.183 χ^2/NDF: 1709110.3/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 759.673+/-0.193 χ^2/NDF: 2009109.0/20

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

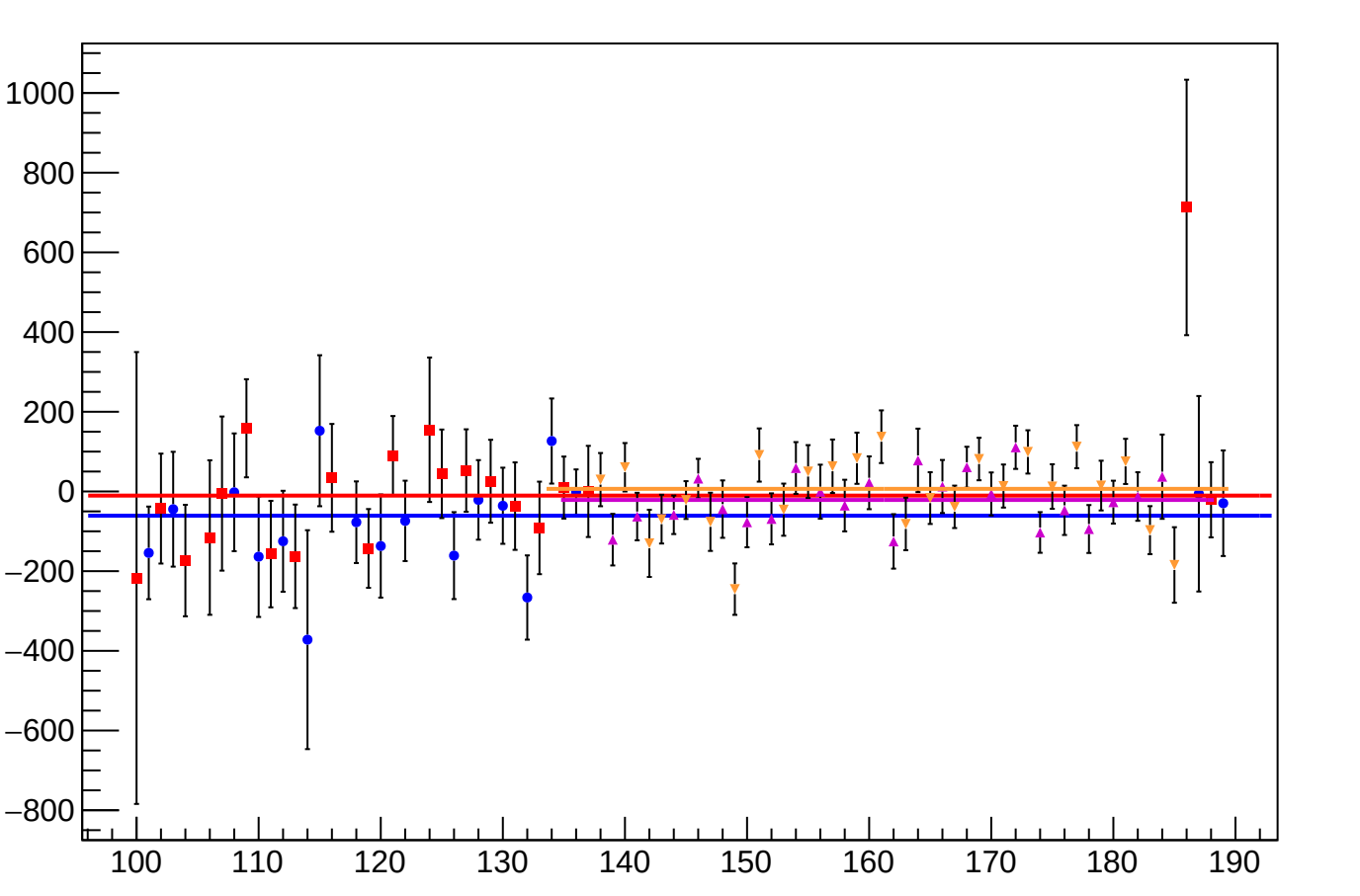
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 721.057+/-0.133 χ^2/NDF: 3794538.1/38

In: 361.525+/-0.053 χ^2/NDF:6492396.0/40

Out: 362.262+/-0.052 χ^2/NDF:8358537.1/45

All: 361.901+/-0.037 χ^2/NDF: 14851029.9/86



Right In: -60.794+/-26.501 χ^2/NDF: 13.6/17

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -10.407+/-26.561 χ^2/NDF: 16.5/20

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

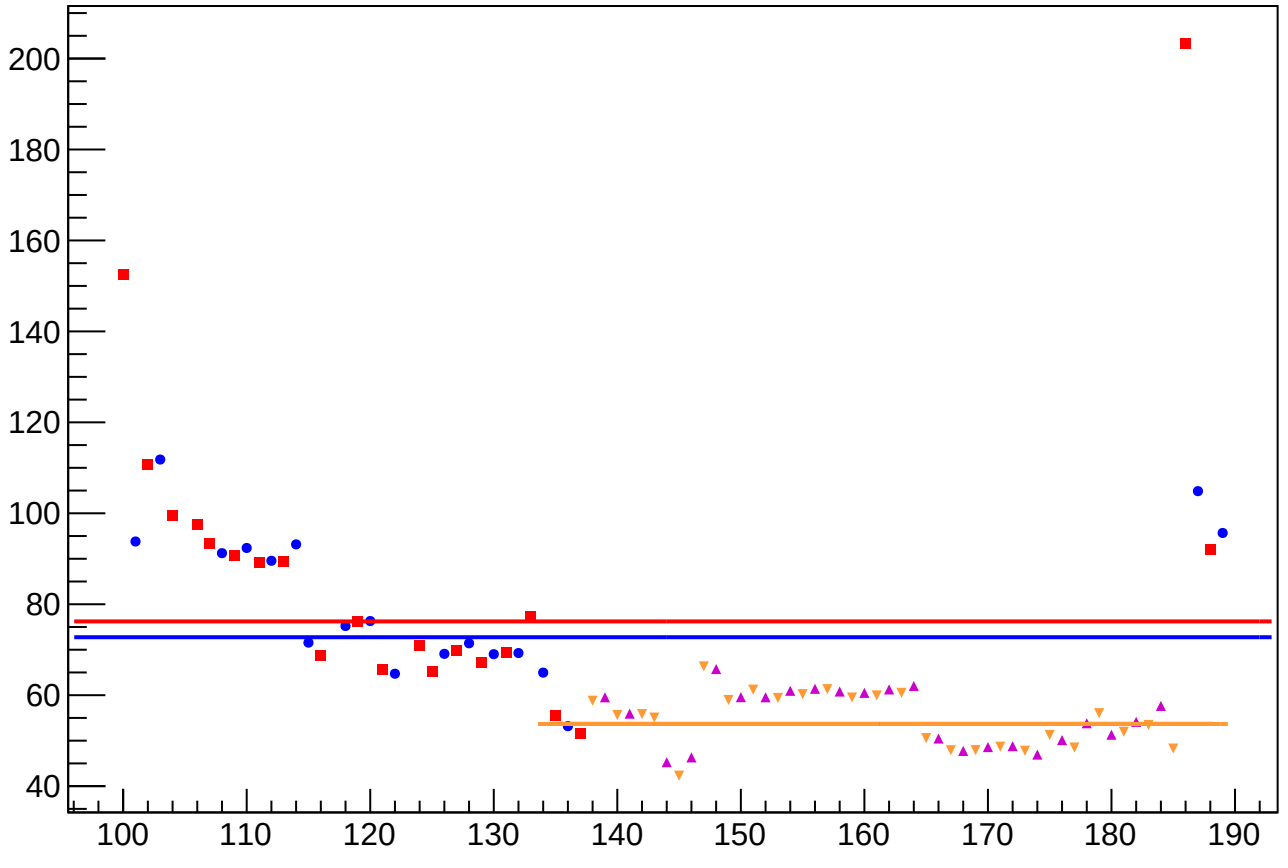
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -35.657+/-18.760 χ^2/NDF: 31.9/38

In: -28.657+/-11.416 χ^2/NDF:40.8/40

Out: 3.541+/-11.152 χ^2/NDF:67.4/45

All: -12.182+/-7.977 χ^2/NDF: 112.3/86



Right In: 72.746+/-0.019 χ^2/NDF: 690133.8/17

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.222+/-0.019 χ^2/NDF: 1011636.8/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

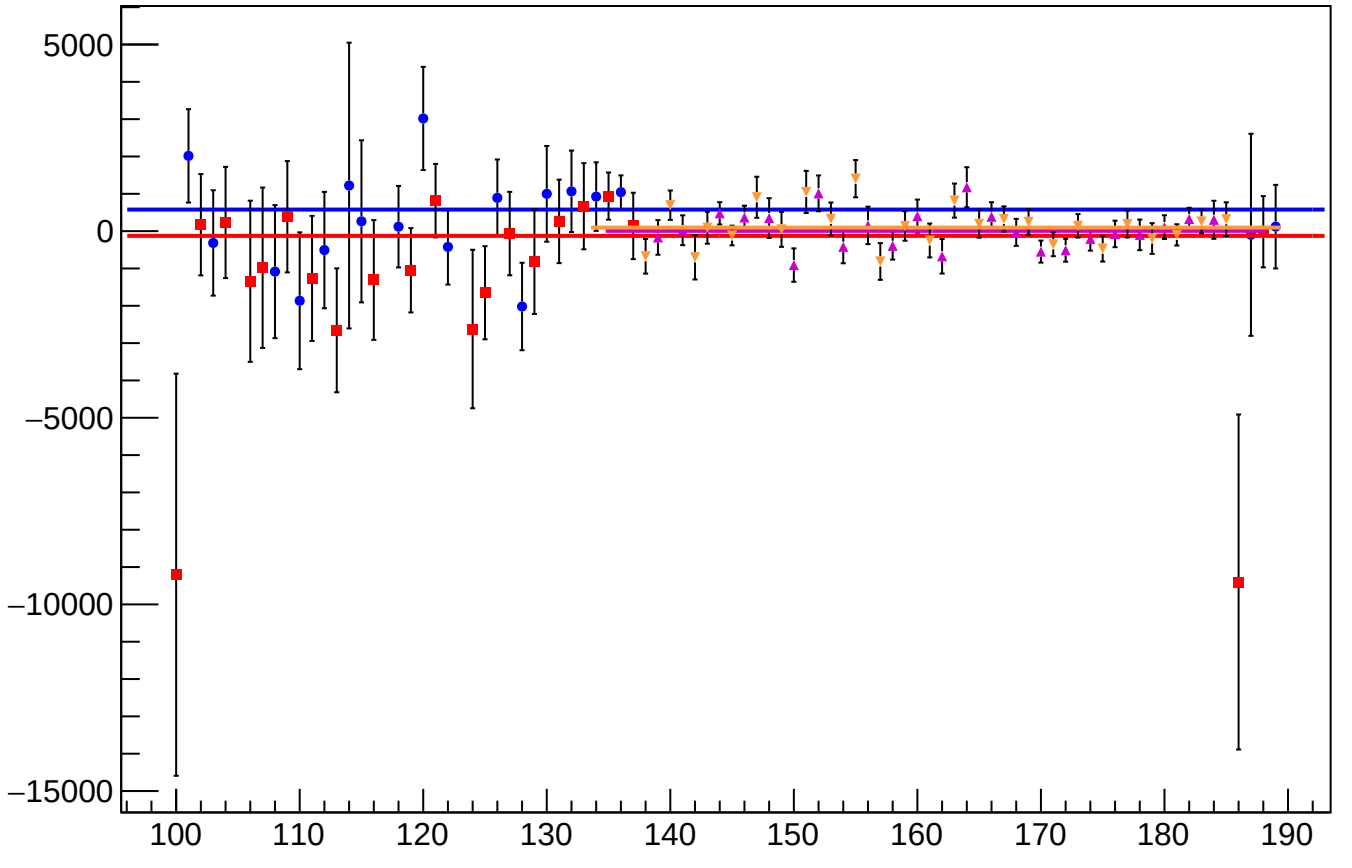
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.480+/-0.013 χ^2/NDF: 1718941.6/38

In: 57.230+/-0.008 χ^2/NDF:2003319.5/40

Out: 57.642+/-0.008 χ^2/NDF:2672044.9/45

All: 57.441+/-0.006 χ^2/NDF: 4676698.7/86



Right In: 577.987+/-258.353 χ^2/NDF: 15.9/17

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -126.975+/-272.435 χ^2/NDF: 19.4/20

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

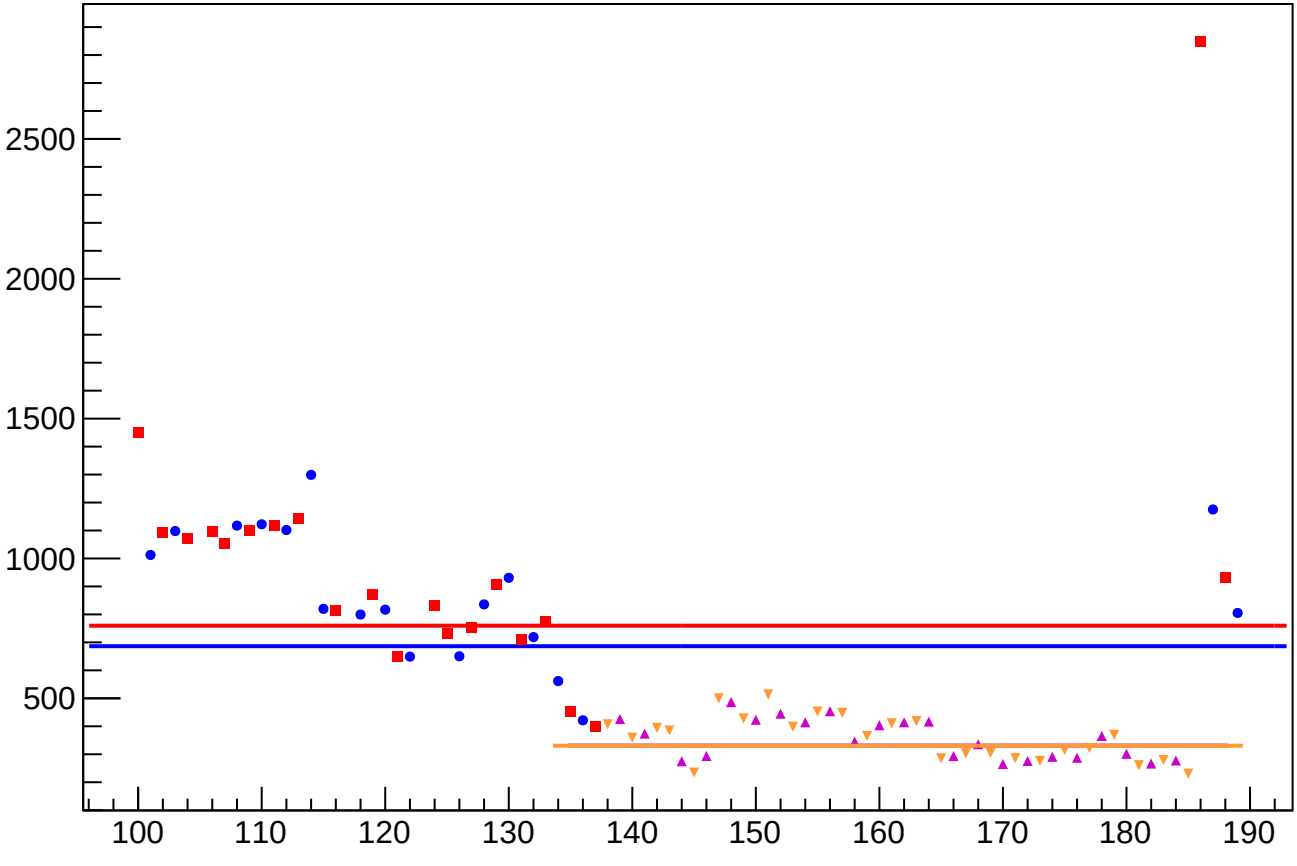
Right: 244.196+/-187.464 χ^2/NDF: 38.9/38

In: 56.766+/-75.657 χ^2/NDF:52.7/40

Out: 78.951+/-74.217 χ^2/NDF:53.2/45

All: 68.072+/-52.981 χ^2/NDF: 105.9/86

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 686.330+/-0.183 χ^2/NDF: 1709110.3/17

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 759.673+/-0.193 χ^2/NDF: 2009109.0/20

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

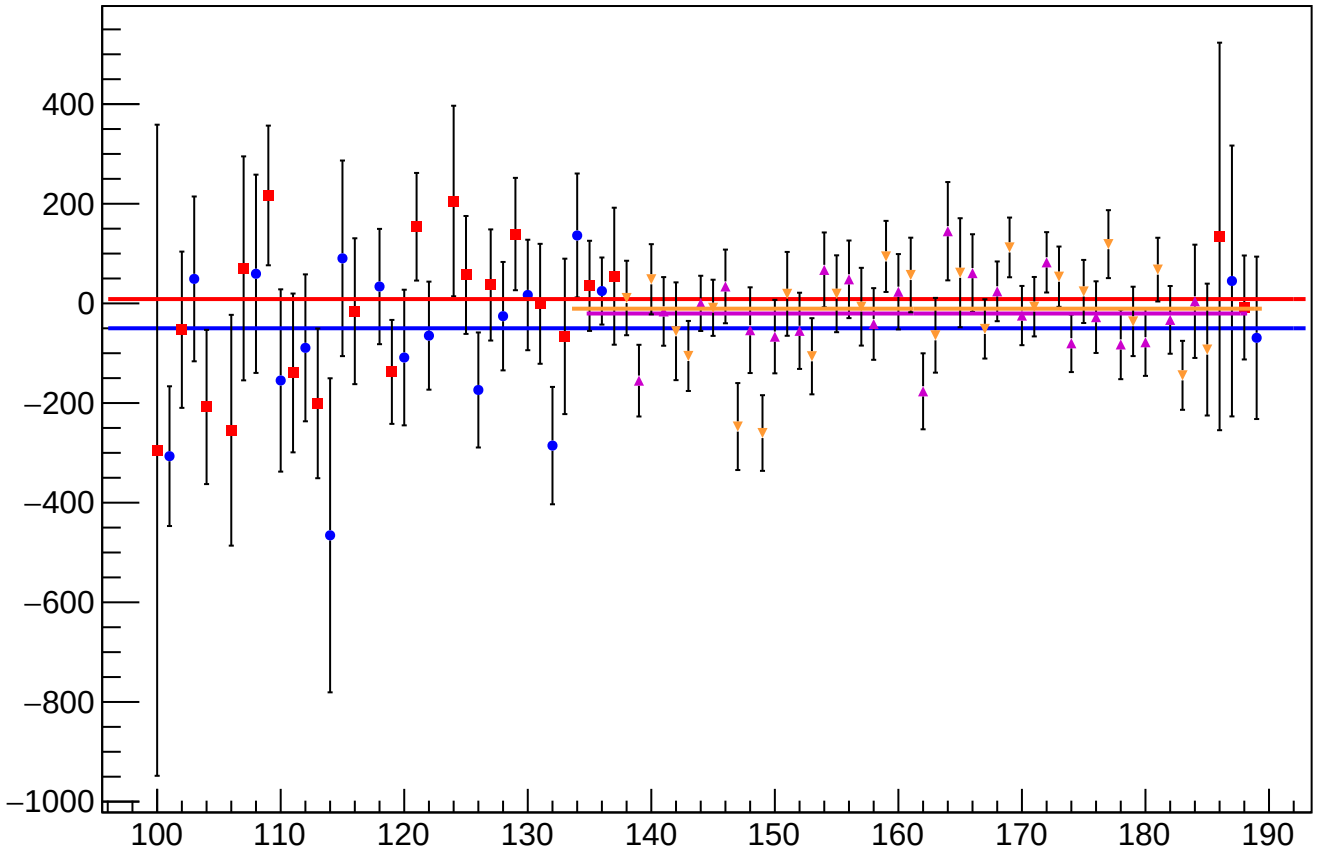
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 721.057+/-0.133 χ^2/NDF: 3794538.1/38

In: 361.525+/-0.053 χ^2/NDF:6492396.0/40

Out: 362.262+/-0.052 χ^2/NDF:8358537.1/45

All: 361.901+/-0.037 χ^2/NDF: 14851029.9/86



Right In: -49.923+/-30.322 χ^2/NDF: 16.6/17

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 8.680+/-29.835 χ^2/NDF: 15.7/20

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

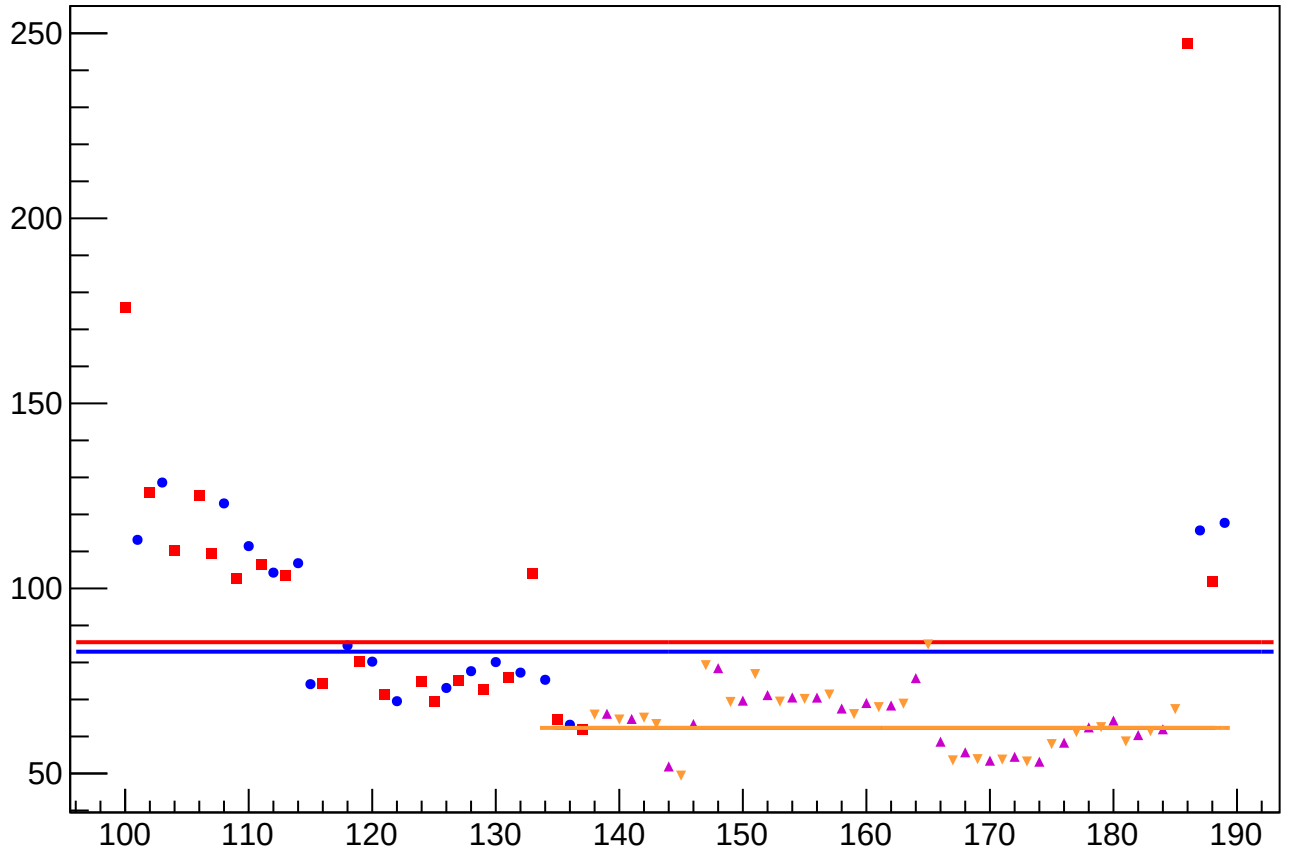
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -20.147+/-21.266 χ^2/NDF: 34.2/38

In: -25.973+/-13.264 χ^2/NDF:39.0/40

Out: -7.005+/-12.903 χ^2/NDF:58.2/45

All: -16.228+/-9.249 χ^2/NDF: 98.3/86



Right In: 82.910+/-0.021 χ^2/NDF: 789090.7/17

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 85.473+/-0.021 χ^2/NDF: 1137757.5/20

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

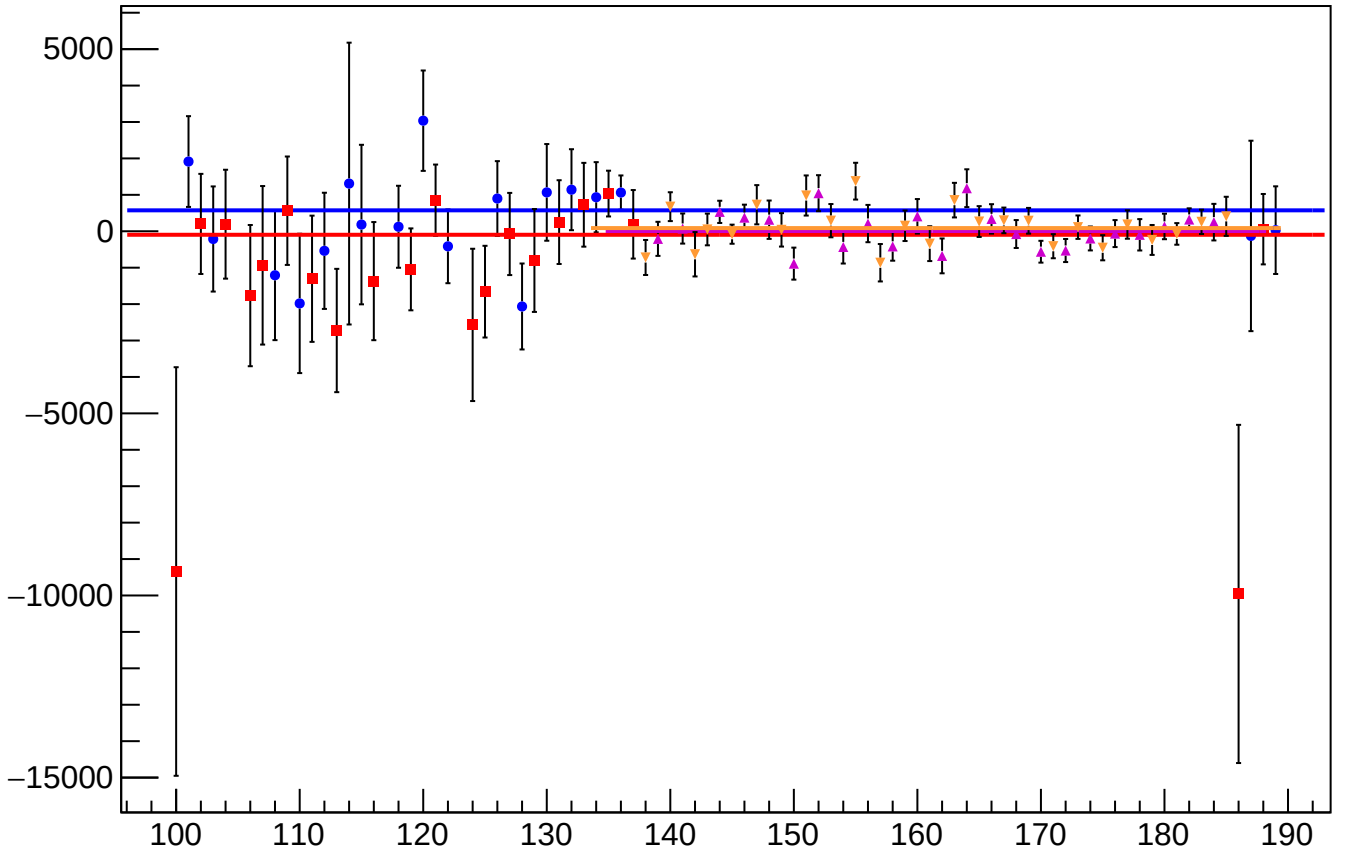
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 84.213+/-0.015 χ^2/NDF: 1934110.6/38

In: 66.252+/-0.009 χ^2/NDF:2020094.2/40

Out: 66.648+/-0.009 χ^2/NDF:2753568.6/45

All: 66.455+/-0.007 χ^2/NDF: 4774576.4/86



Right In: 574.458+/-265.761 χ^2/NDF: 16.1/17

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -96.437+/-274.496 χ^2/NDF: 20.7/20

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

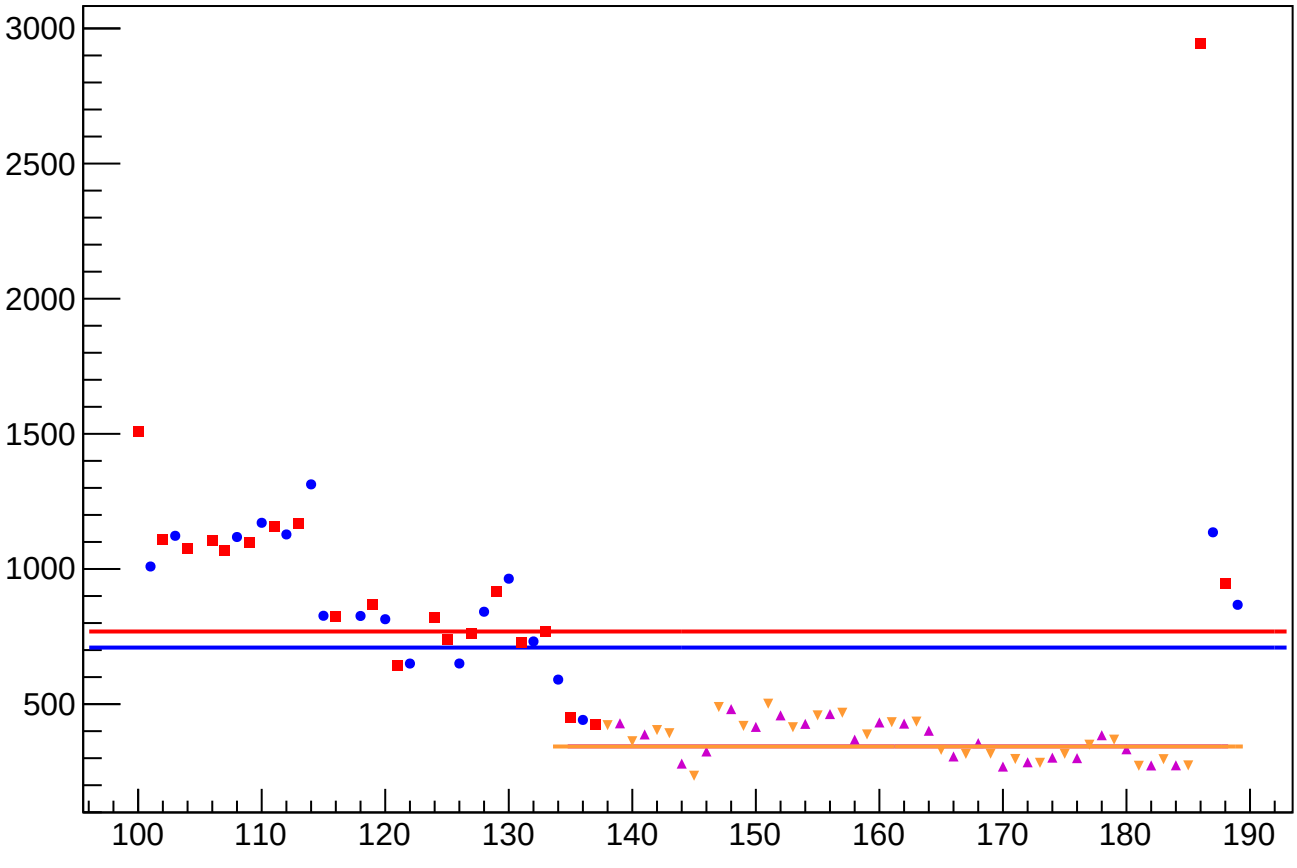
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 249.855+/-190.935 χ^2/NDF: 39.9/38

In: 55.989+/-78.451 χ^2/NDF:52.7/40

Out: 72.679+/-76.660 χ^2/NDF:52.8/45

All: 64.527+/-54.829 χ^2/NDF: 105.5/86



Right In: 709.254+/-0.188 χ^2/NDF: 1607666.0/17

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 768.700+/-0.194 χ^2/NDF: 2017736.8/20

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

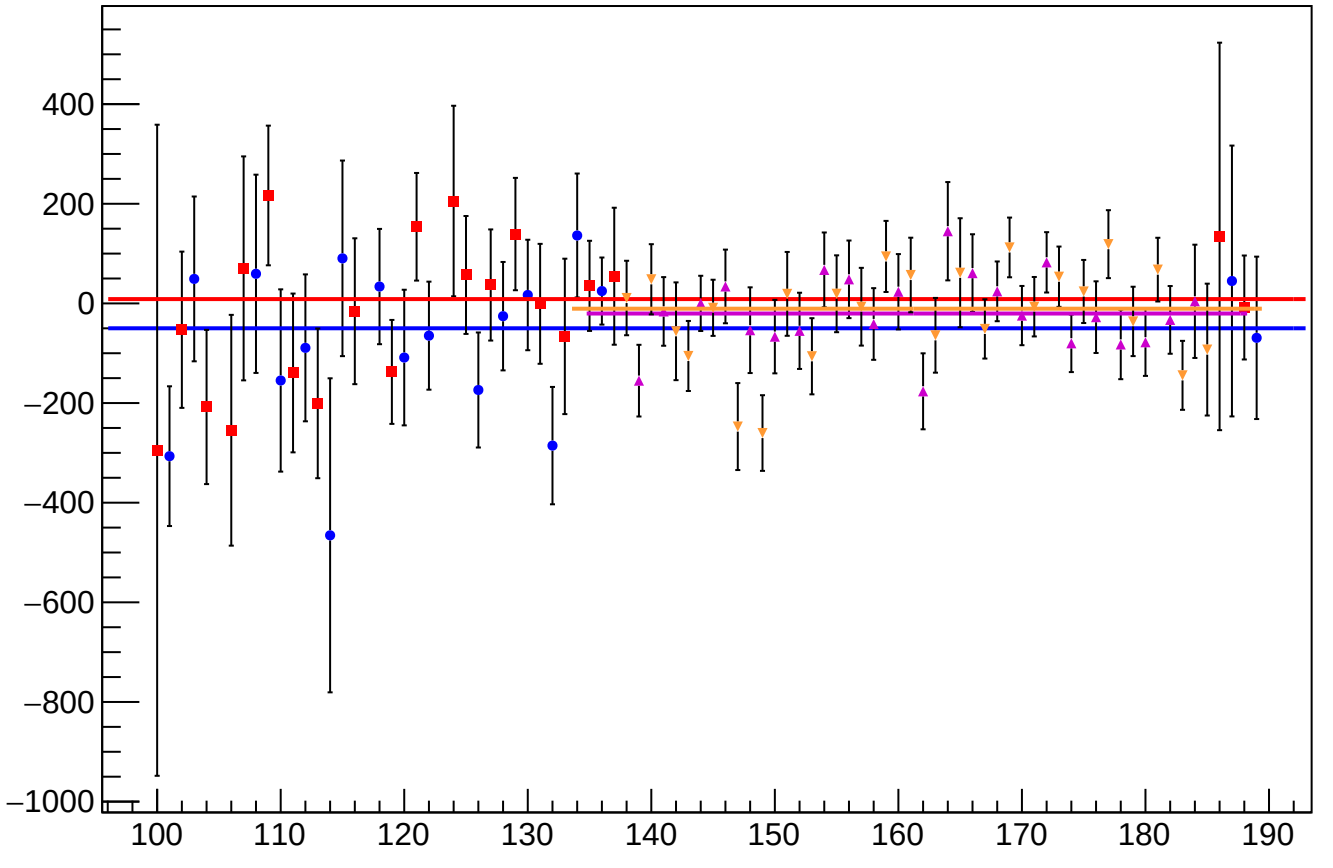
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 738.016+/-0.135 χ^2/NDF: 3673818.9/38

In: 375.570+/-0.055 χ^2/NDF:6319985.5/40

Out: 376.410+/-0.054 χ^2/NDF:8043501.1/45

All: 376.000+/-0.039 χ^2/NDF: 14363603.8/86



Right In: -49.923+/-30.322 χ^2/NDF: 16.6/17

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 8.680+/-29.835 χ^2/NDF: 15.7/20

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

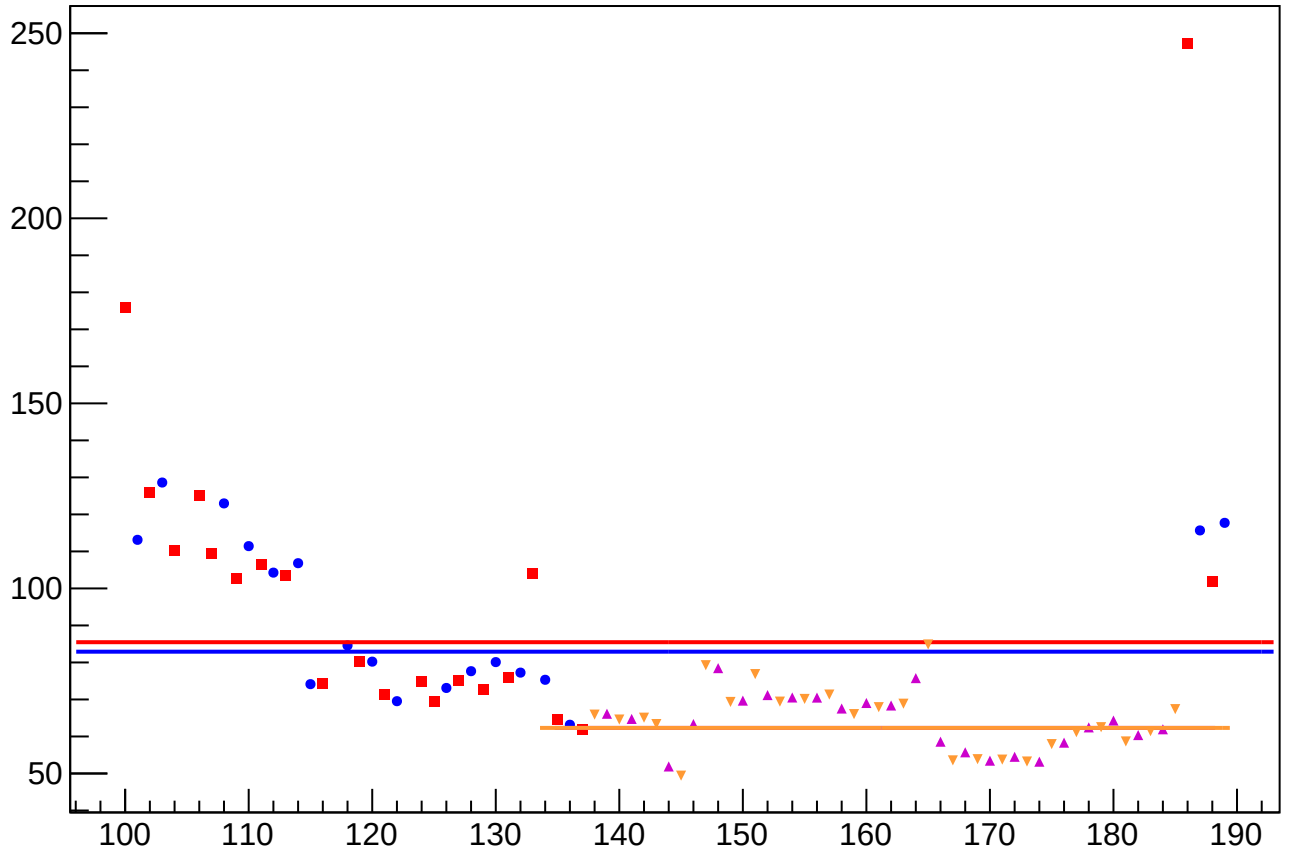
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -20.147+/-21.266 χ^2/NDF: 34.2/38

In: -25.973+/-13.264 χ^2/NDF:39.0/40

Out: -7.004+/-12.903 χ^2/NDF:58.2/45

All: -16.227+/-9.249 χ^2/NDF: 98.3/86



Right In: 82.910+/-0.021 χ^2/NDF: 789087.7/17

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 85.473+/-0.021 χ^2/NDF: 1137737.4/20

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

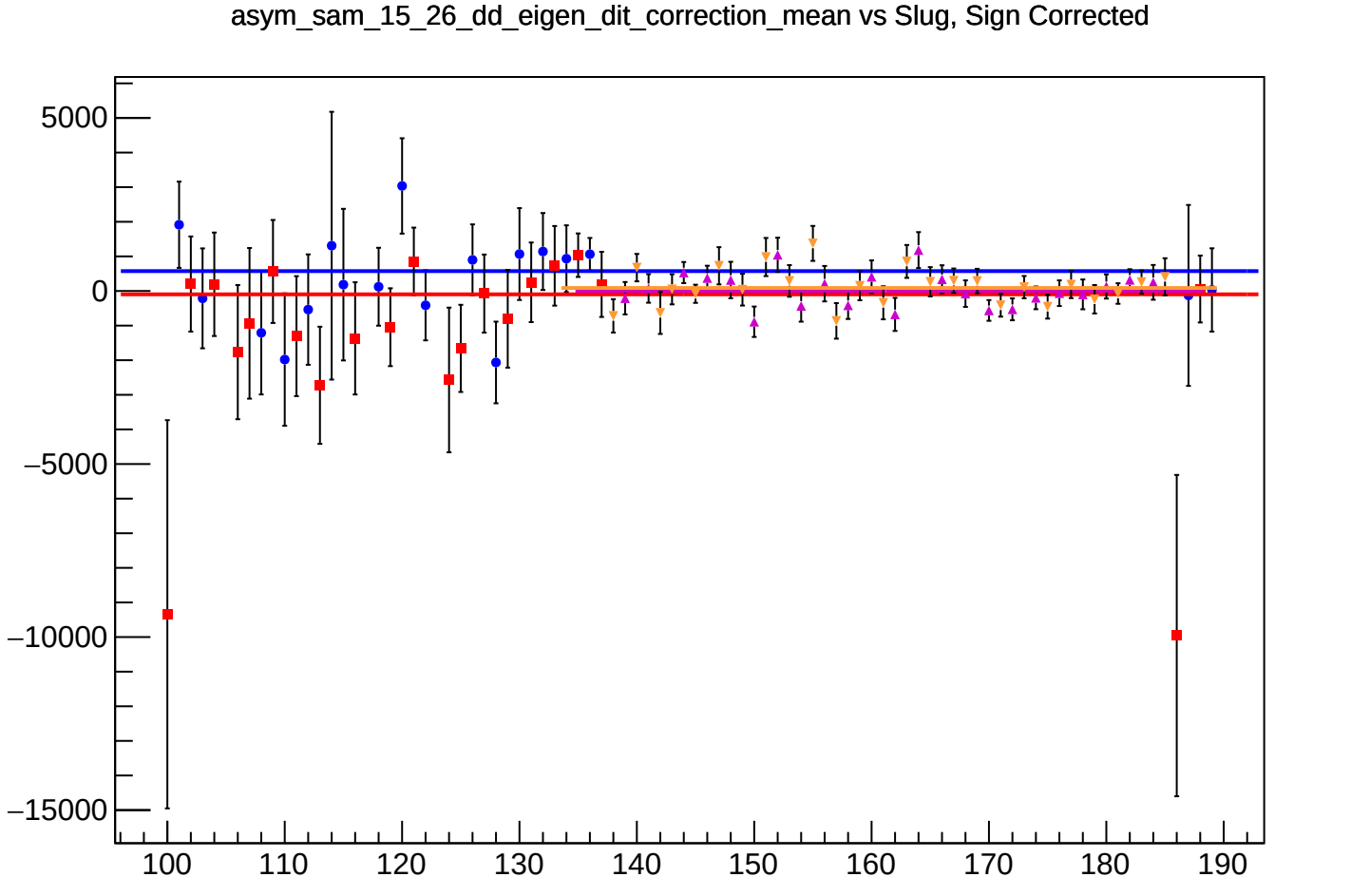
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 84.212+/-0.015 χ^2/NDF: 1934088.7/38

In: 66.252+/-0.009 χ^2/NDF:2020044.7/40

Out: 66.648+/-0.009 χ^2/NDF:2753525.3/45

All: 66.455+/-0.007 χ^2/NDF: 4774483.3/86



Right In: 574.458+/-265.761 χ^2/NDF: 16.1/17

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -96.438+/-274.495 χ^2/NDF: 20.7/20

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

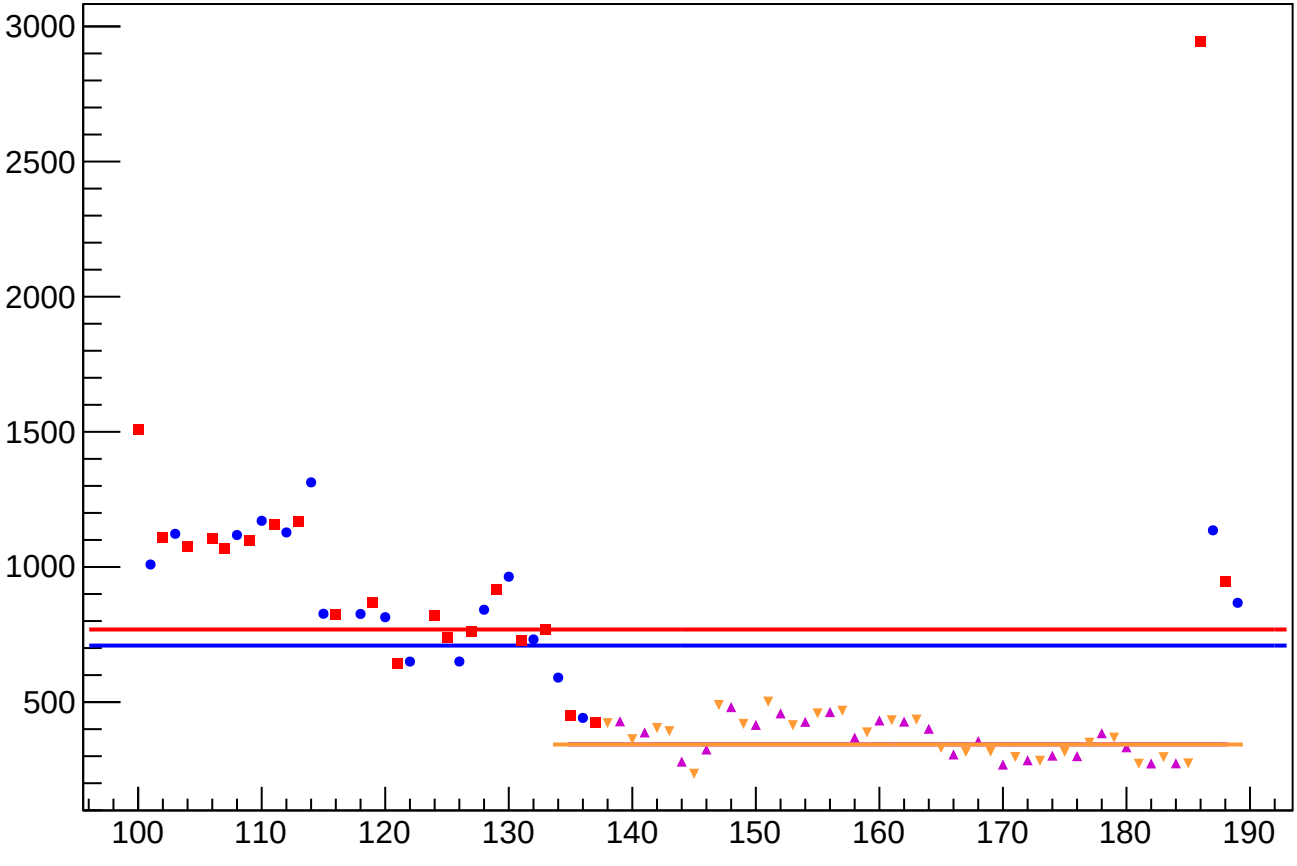
Right: 249.854+/-190.934 χ^2/NDF: 39.9/38

In: 55.990+/-78.452 χ^2/NDF:52.7/40

Out: 72.679+/-76.660 χ^2/NDF:52.8/45

All: 64.527+/-54.829 χ^2/NDF: 105.5/86

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 709.253+/-0.188 χ^2/NDF: 1607651.3/17

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 768.699+/-0.194 χ^2/NDF: 2017725.2/20

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

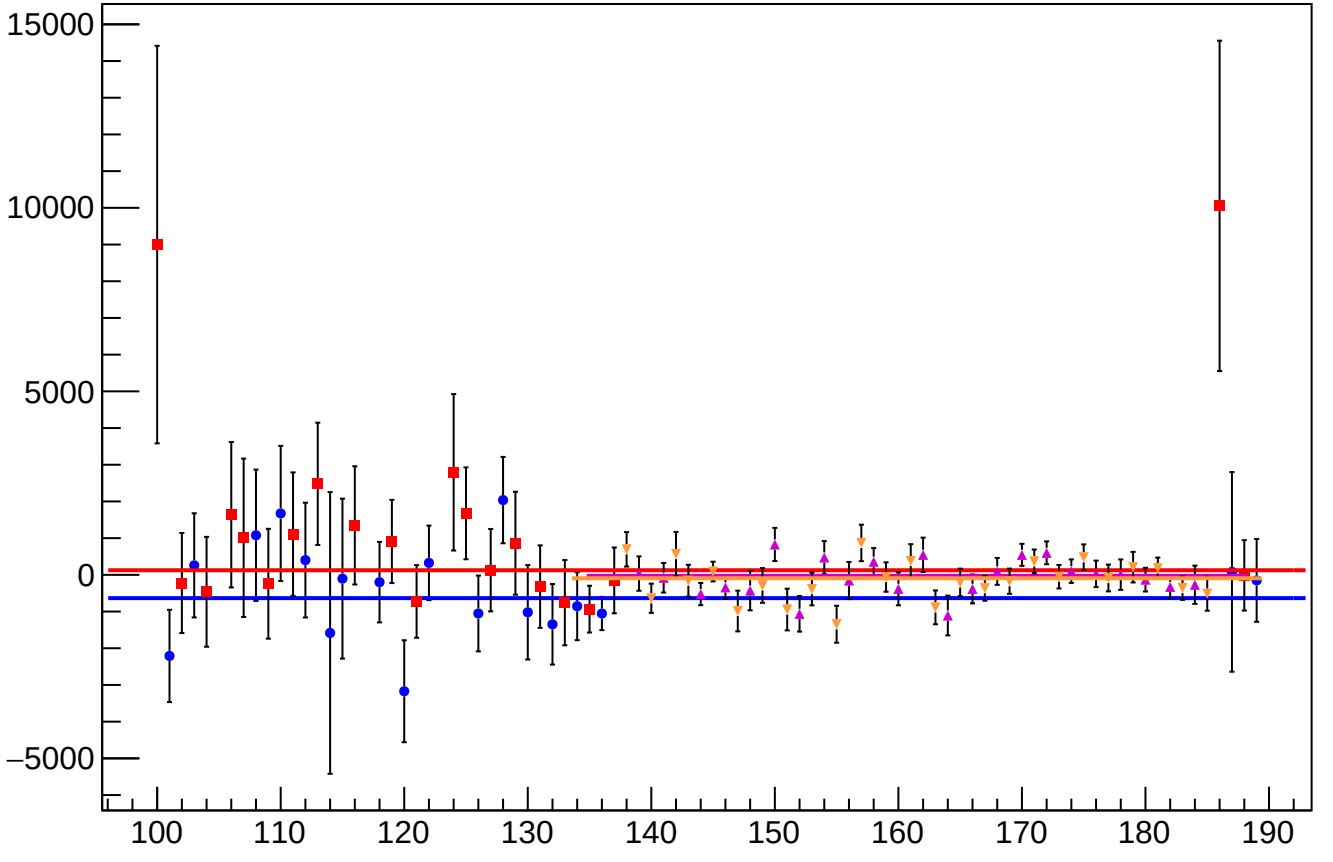
Right: 738.015+/-0.135 χ^2/NDF: 3673792.4/38

In: 375.570+/-0.055 χ^2/NDF:6319977.3/40

Out: 376.410+/-0.054 χ^2/NDF:8043501.9/45

All: 376.000+/-0.039 χ^2/NDF: 14363596.5/86

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -634.155+/-259.963 χ^2/NDF: 16.4/17

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 125.656+/-273.479 χ^2/NDF: 19.7/20

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

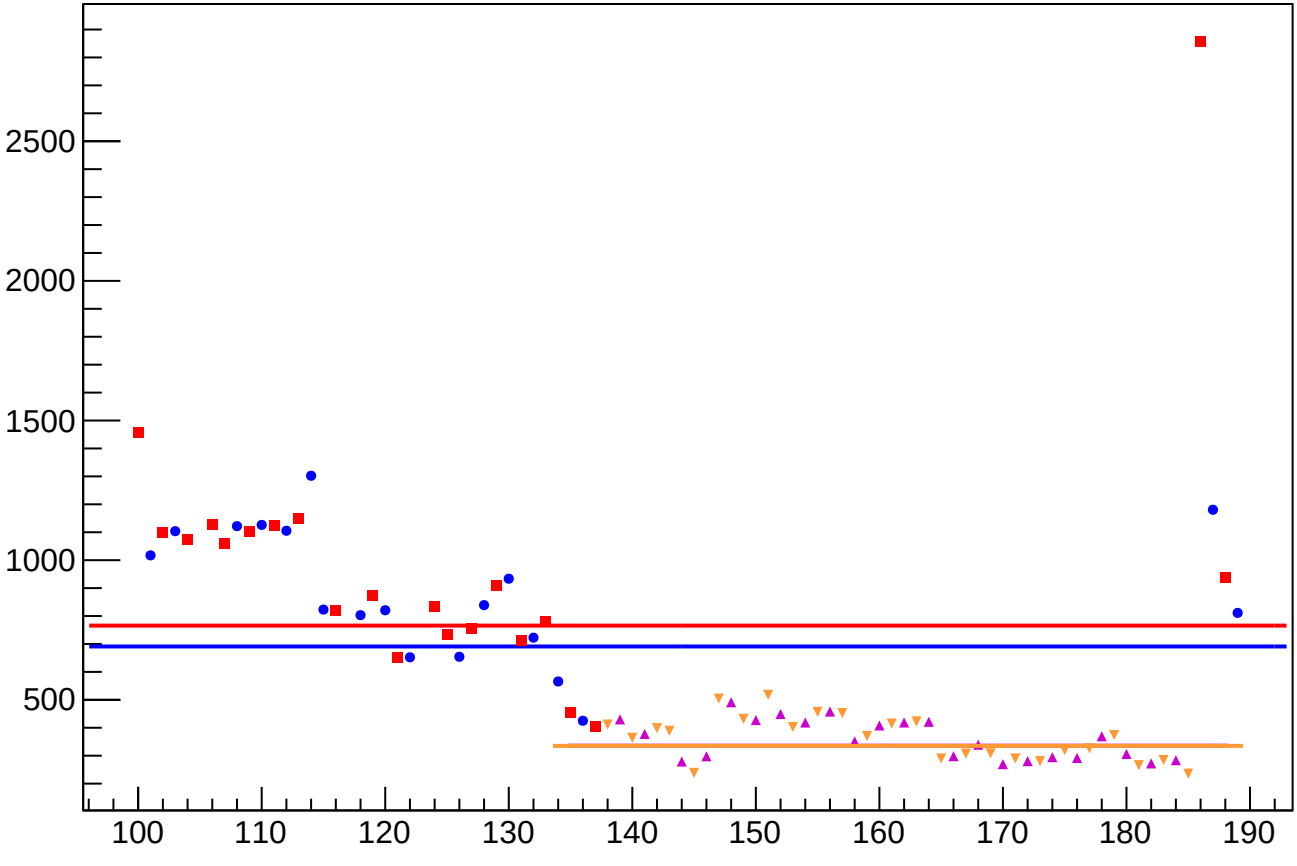
Right: -273.488+/-188.419 χ^2/NDF: 40.2/38

In: -79.932+/-76.642 χ^2/NDF:52.3/40

Out: -76.175+/-75.173 χ^2/NDF:54.5/45

All: -78.017+/-53.667 χ^2/NDF: 106.8/86

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 691.047+/-0.184 χ^2/NDF: 1692144.0/17

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 765.727+/-0.193 χ^2/NDF: 2013476.8/20

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

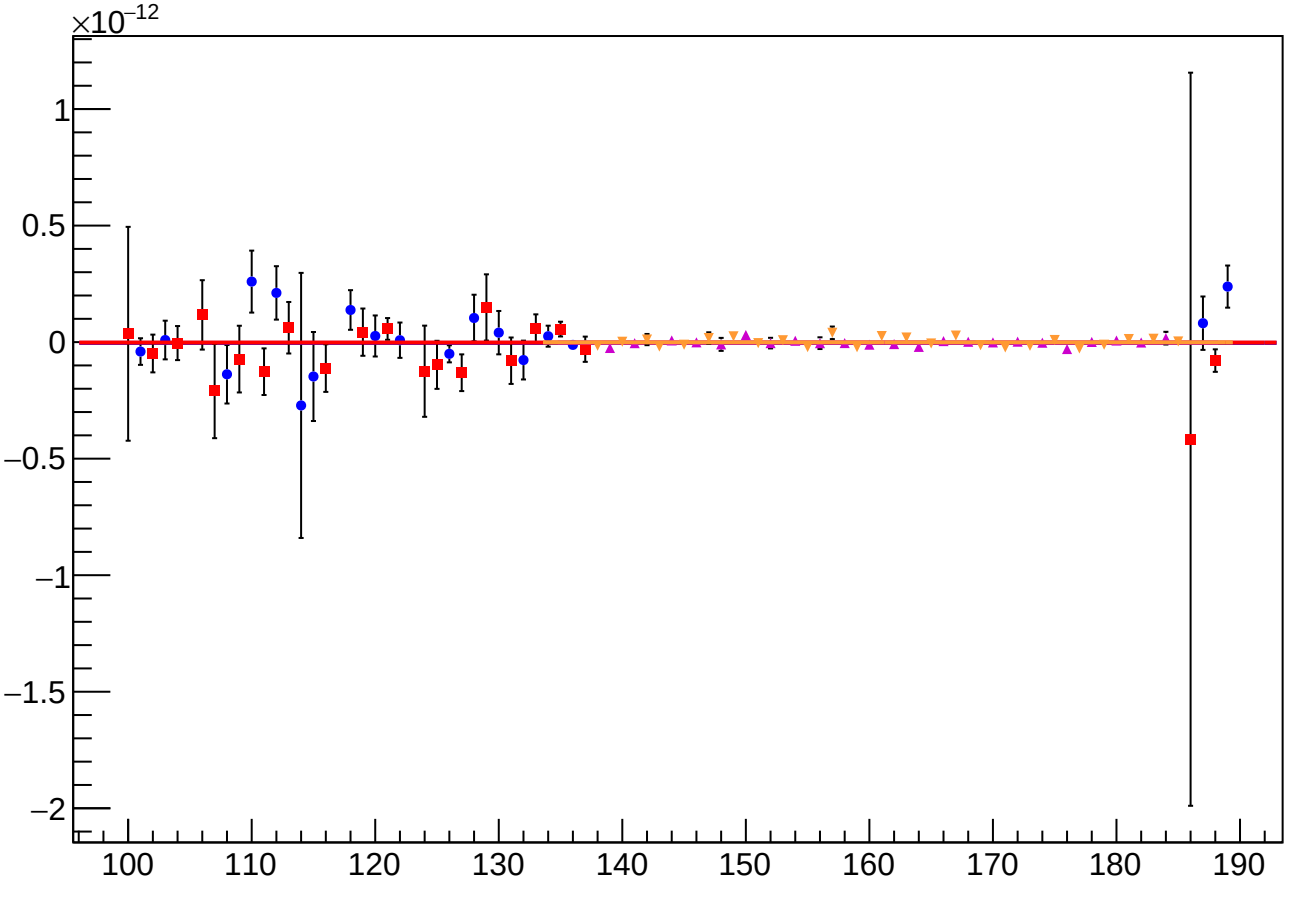
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 726.496+/-0.133 χ^2/NDF: 3783966.1/38

In: 366.666+/-0.054 χ^2/NDF:6393938.9/40

Out: 367.683+/-0.053 χ^2/NDF:8302651.0/45

All: 367.184+/-0.038 χ^2/NDF: 14696769.2/86



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/17

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/20

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

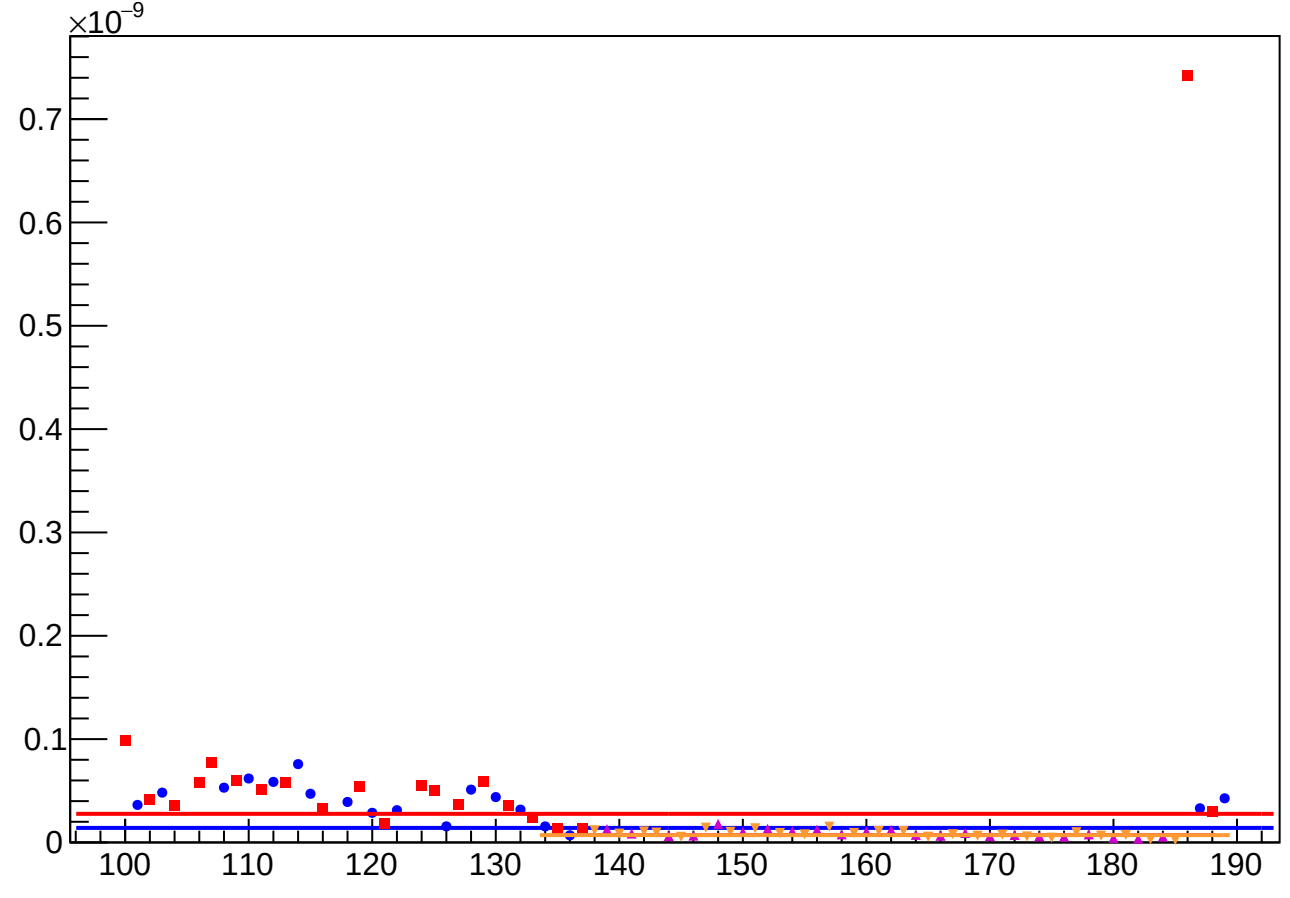
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 45.0/38

In: -0.000+/-0.000 χ^2/NDF:39.8/40

Out: -0.000+/-0.000 χ^2/NDF:53.2/45

All: -0.000+/-0.000 χ^2/NDF: 93.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 3305922.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2155884.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

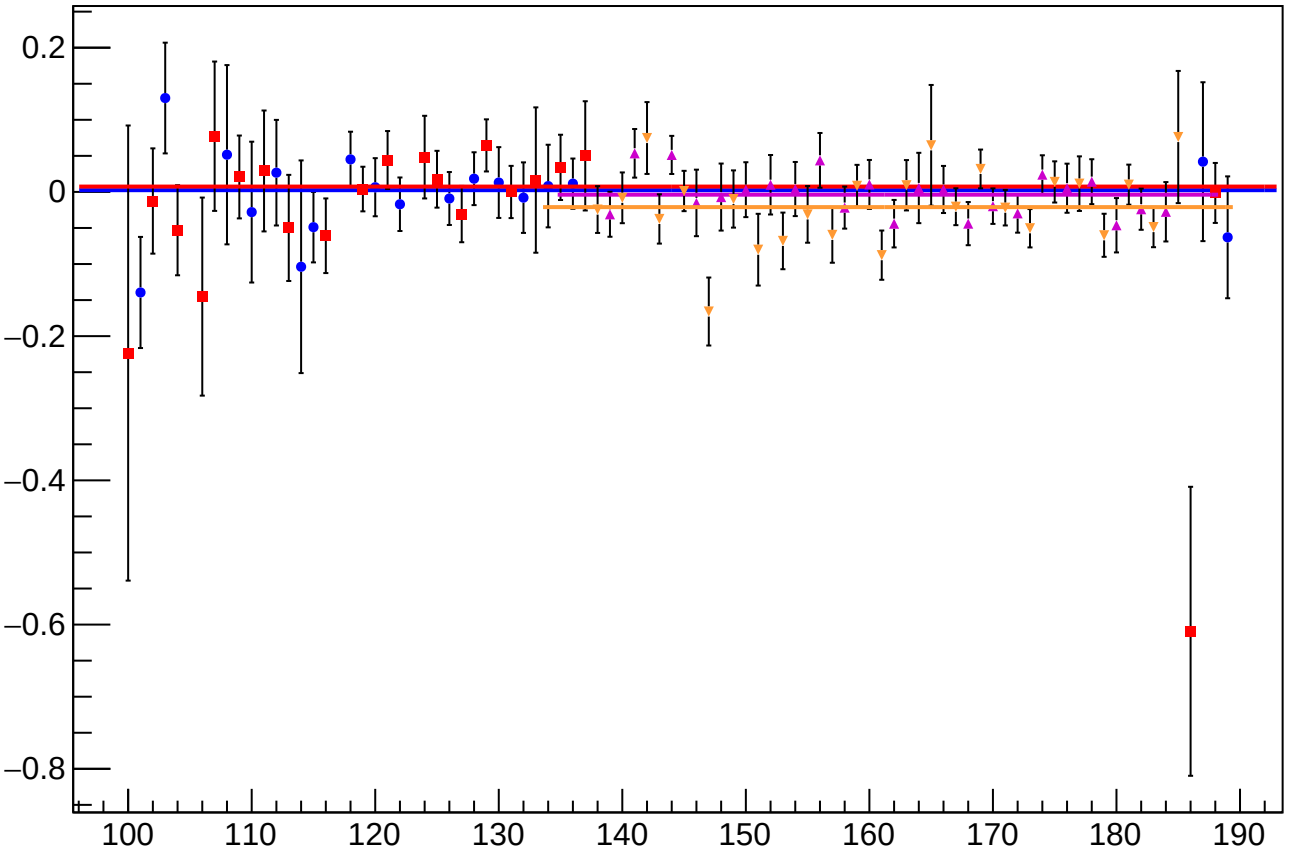
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6455127.1/38

In: 0.000+/-0.000 χ^2/NDF:5723929.8/40

Out: 0.000+/-0.000 χ^2/NDF:7258465.3/45

All: 0.000+/-0.000 χ^2/NDF: 12982707.6/86



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

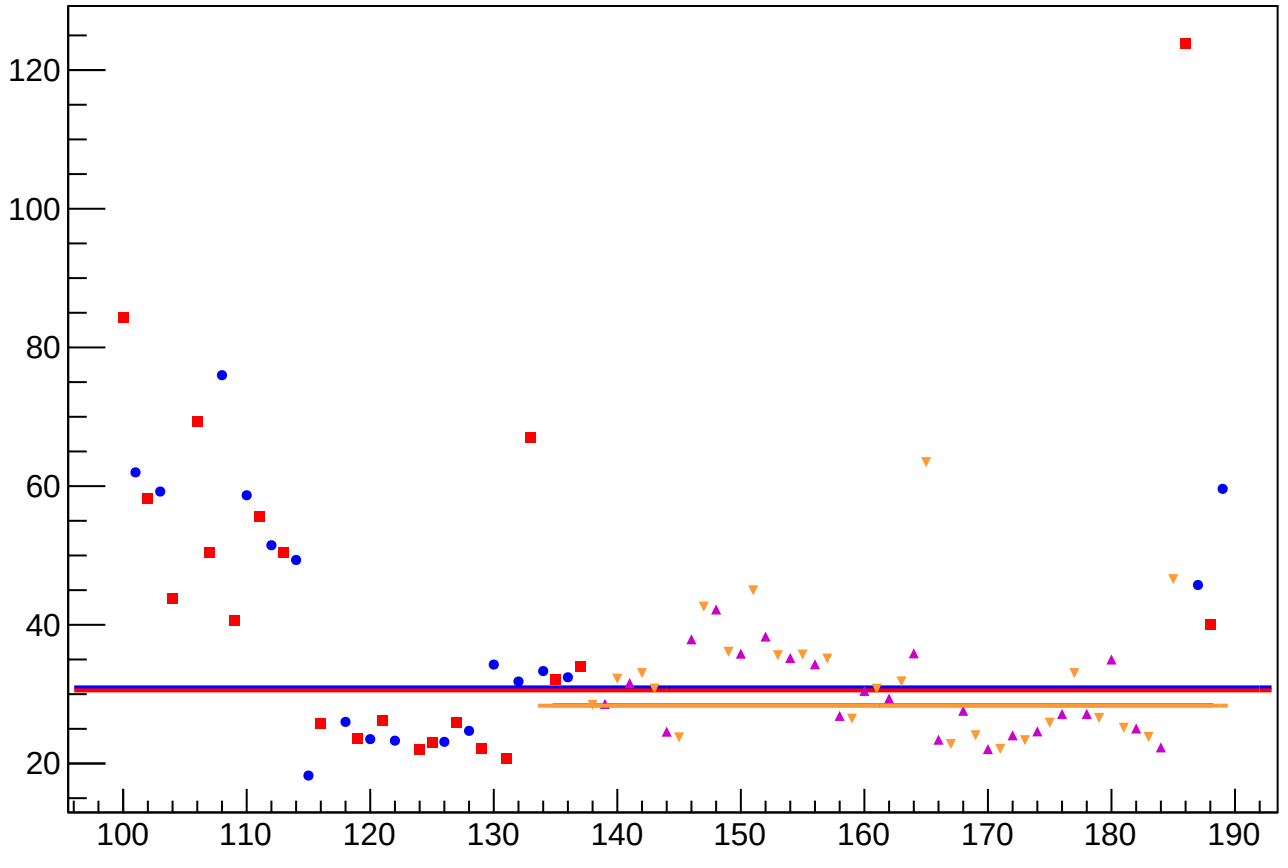
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.005+/-0.008 χ^2/NDF: 31.8/38

In: -0.002+/-0.006 χ^2/NDF:29.7/40

Out: -0.014+/-0.006 χ^2/NDF:62.7/45

All: -0.008+/-0.004 χ^2/NDF: 94.3/86



Right In: 30.975+/-0.009 χ^2/NDF: 1961184.0/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 30.541+/-0.008 χ^2/NDF: 2402901.7/20

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

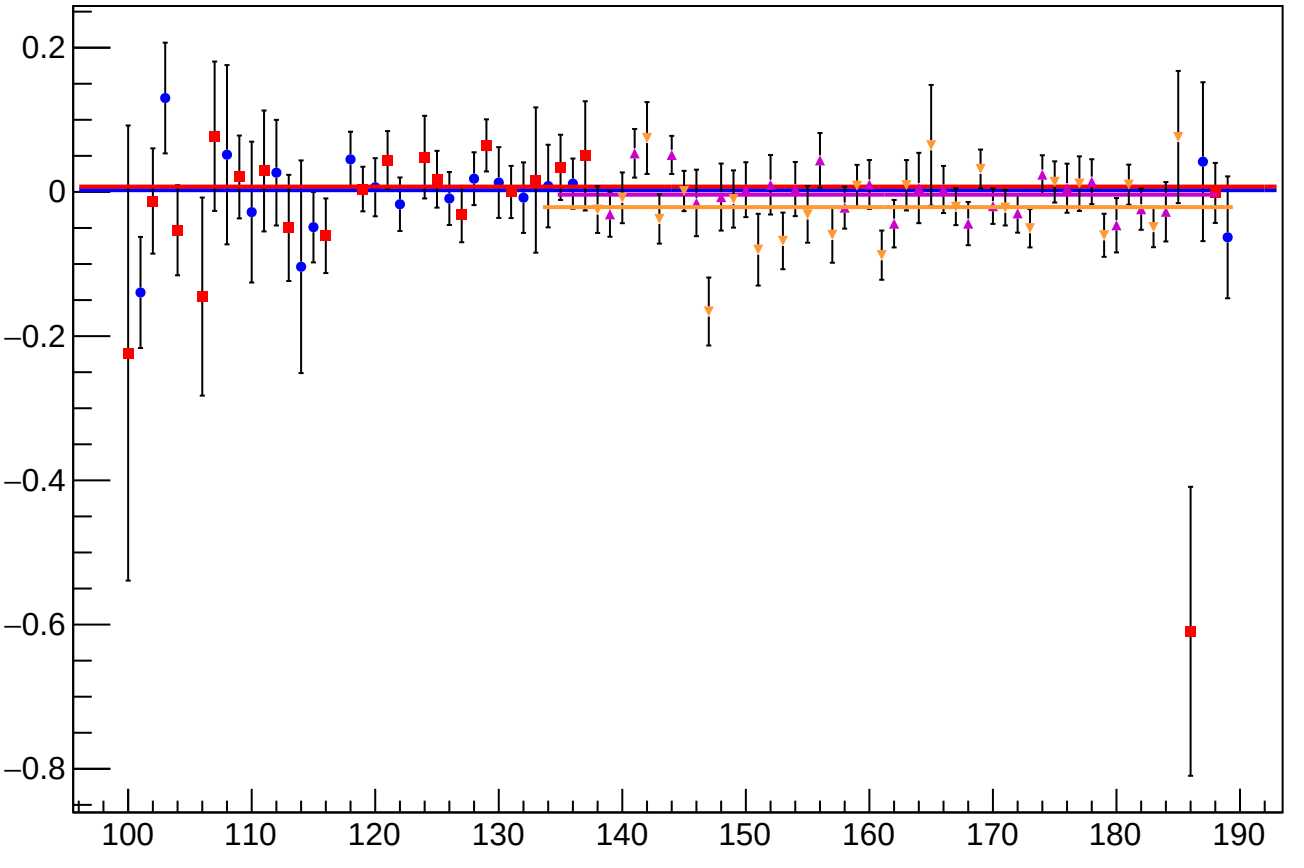
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 30.744+/-0.006 χ^2/NDF: 4365457.6/38

In: 29.020+/-0.004 χ^2/NDF:3129325.7/40

Out: 28.906+/-0.004 χ^2/NDF:4192329.0/45

All: 28.961+/-0.003 χ^2/NDF: 7322028.9/86



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

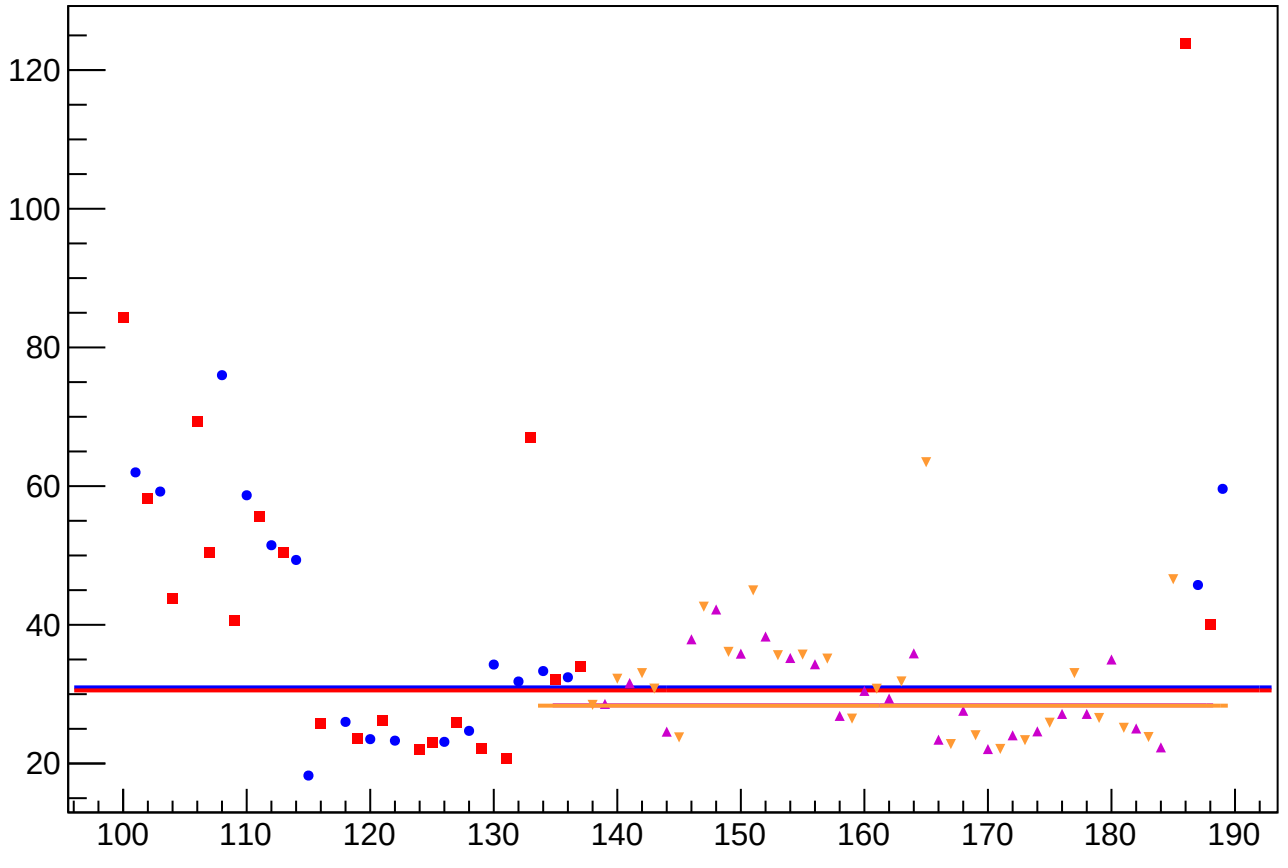
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.005+/-0.008 χ^2/NDF: 31.8/38

In: -0.002+/-0.006 χ^2/NDF:29.7/40

Out: -0.014+/-0.006 χ^2/NDF:62.7/45

All: -0.008+/-0.004 χ^2/NDF: 94.3/86



Right In: 30.975+/-0.009 χ^2/NDF: 1961184.0/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 30.541+/-0.008 χ^2/NDF: 2402901.7/20

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

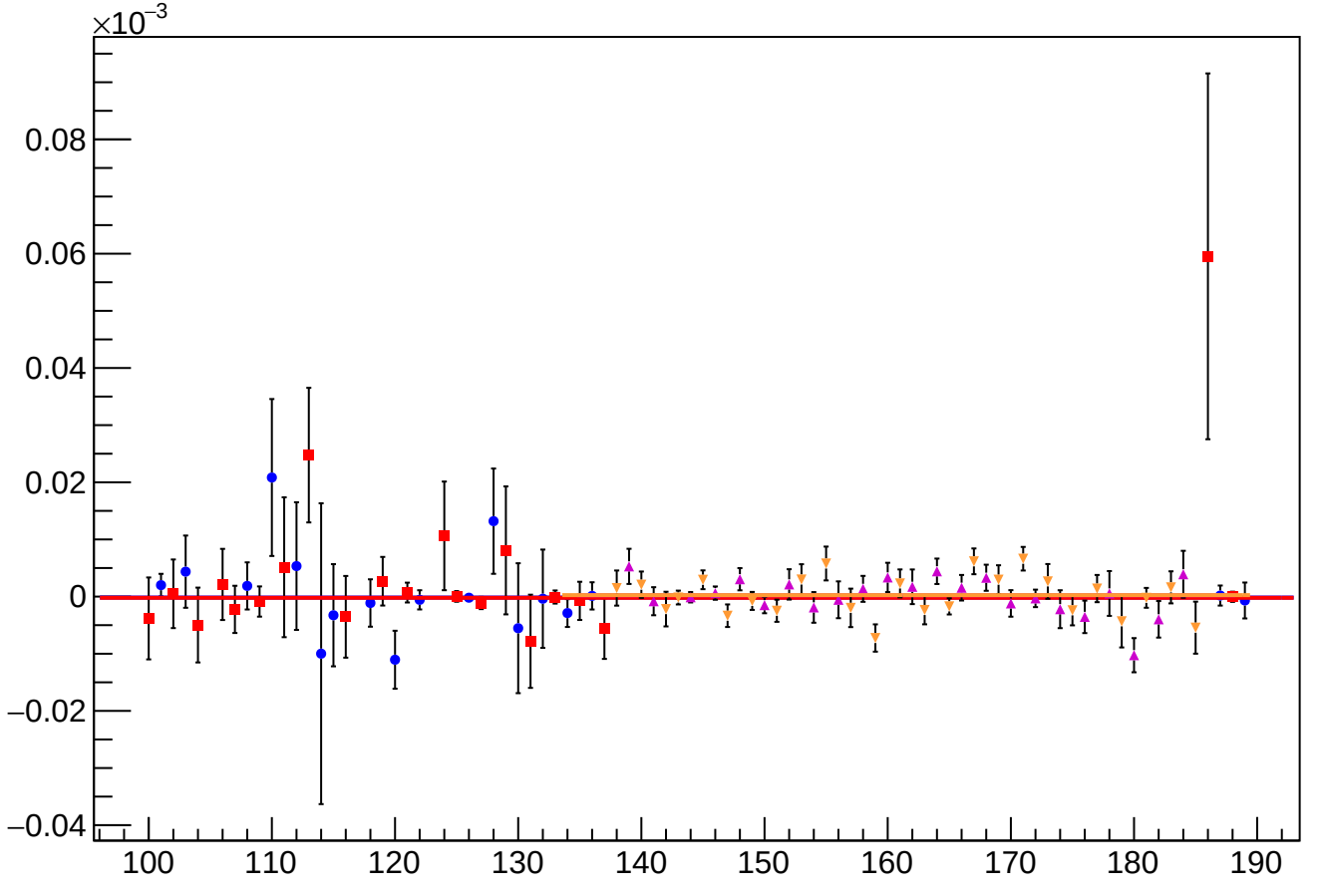
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 30.744+/-0.006 χ^2/NDF: 4365457.6/38

In: 29.020+/-0.004 χ^2/NDF:3129325.7/40

Out: 28.906+/-0.004 χ^2/NDF:4192329.0/45

All: 28.961+/-0.003 χ^2/NDF: 7322028.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/20

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

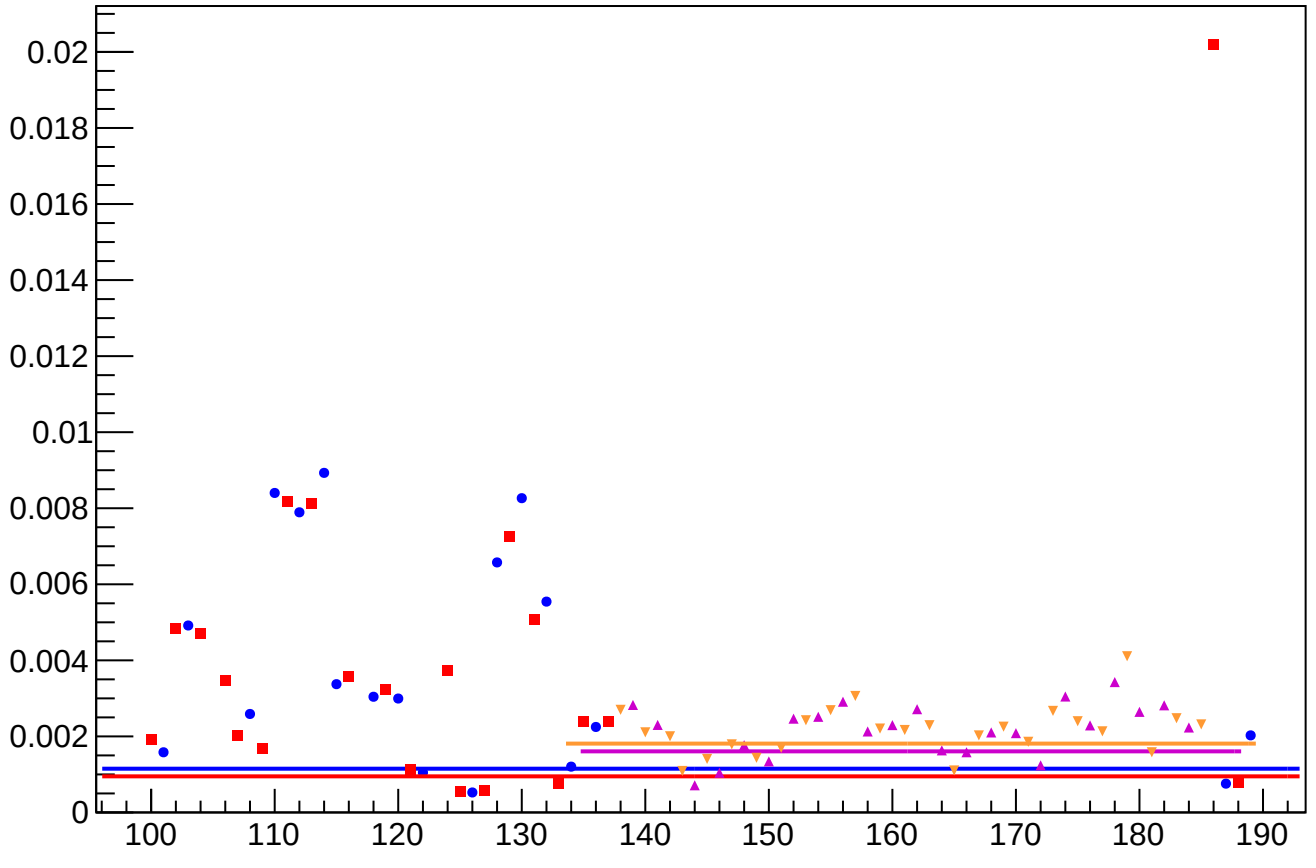
Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

Right: -0.000+/-0.000 χ^2/NDF: 28.2/38

In: 0.000+/-0.000 χ^2/NDF:46.7/40

Out: 0.000+/-0.000 χ^2/NDF:66.3/45

All: 0.000+/-0.000 χ^2/NDF: 113.1/86



Right In: 0.001+/-0.000 χ^2/NDF: 7138933.7/17

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7740818.5/20

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

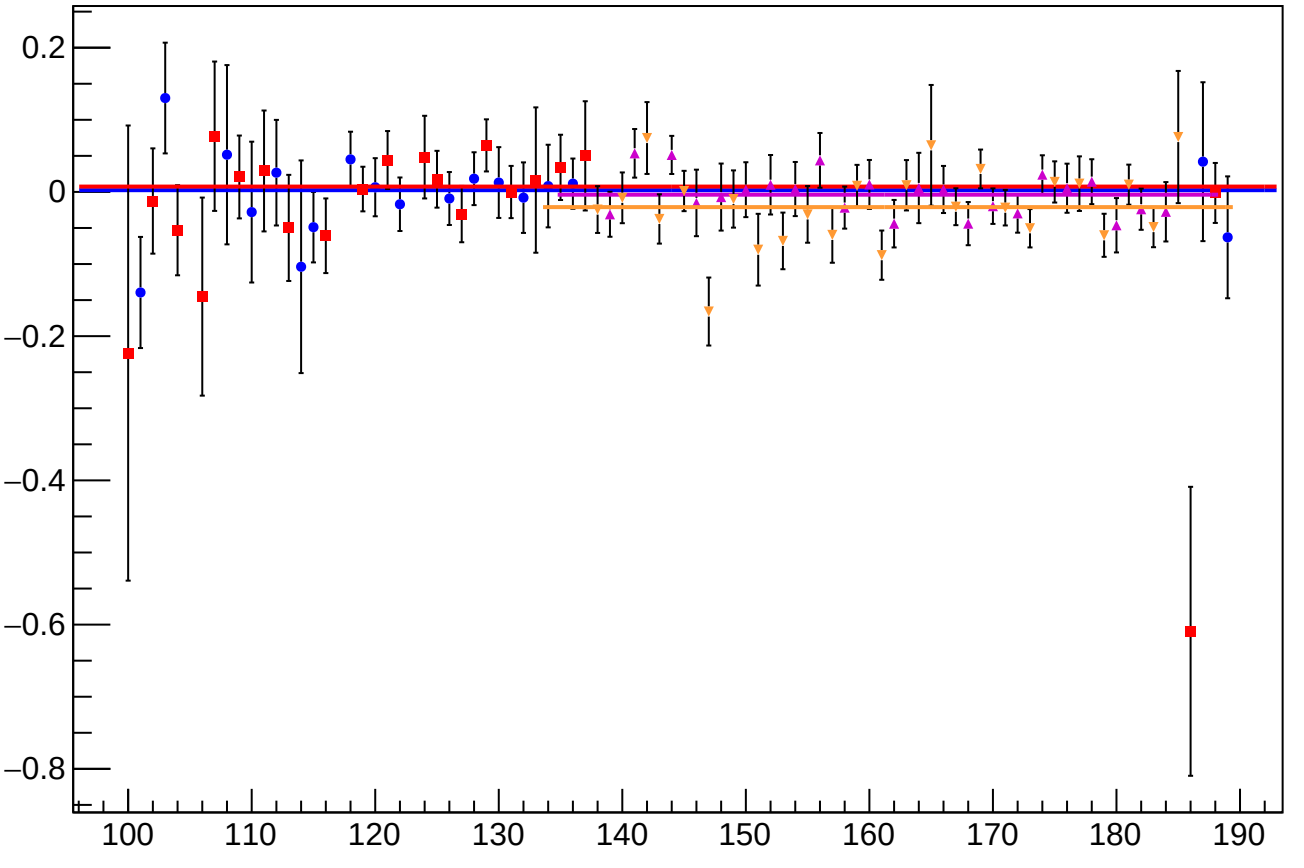
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 15033067.5/38

In: 0.001+/-0.000 χ^2/NDF:13996904.1/40

Out: 0.001+/-0.000 χ^2/NDF:14957974.7/45

All: 0.001+/-0.000 χ^2/NDF: 28977215.6/86



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

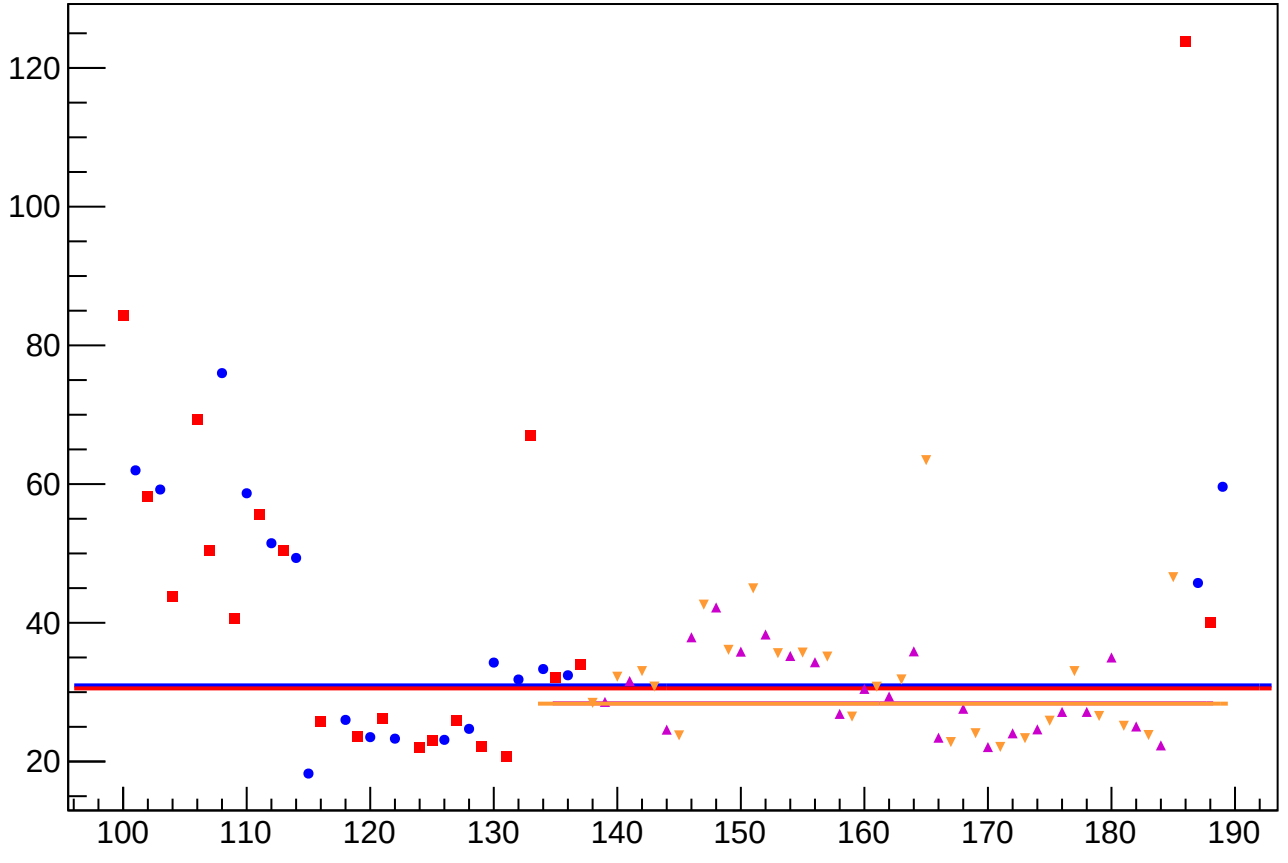
Right: 0.005+/-0.008 χ^2/NDF: 31.8/38

In: -0.002+/-0.006 χ^2/NDF:29.7/40

Out: -0.014+/-0.006 χ^2/NDF:62.7/45

All: -0.008+/-0.004 χ^2/NDF: 94.3/86

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.975+/-0.009 χ^2/NDF: 1961022.7/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 30.540+/-0.008 χ^2/NDF: 2402877.8/20

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

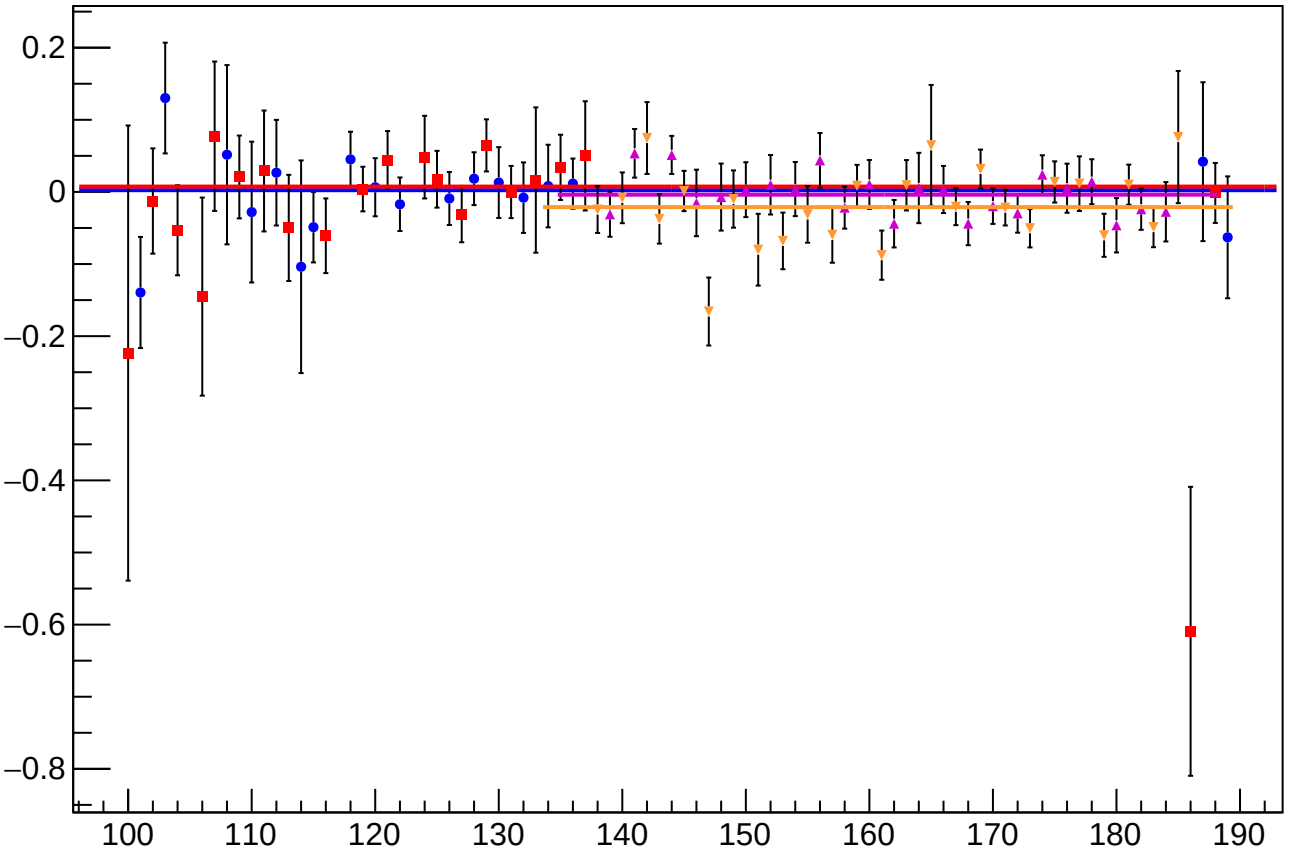
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 30.744+/-0.006 χ^2/NDF: 4365276.1/38

In: 29.020+/-0.004 χ^2/NDF:3129156.7/40

Out: 28.906+/-0.004 χ^2/NDF:4192269.2/45

All: 28.961+/-0.003 χ^2/NDF: 7321802.0/86



Right In: 0.002+/-0.012 χ^2/NDF: 10.9/17

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

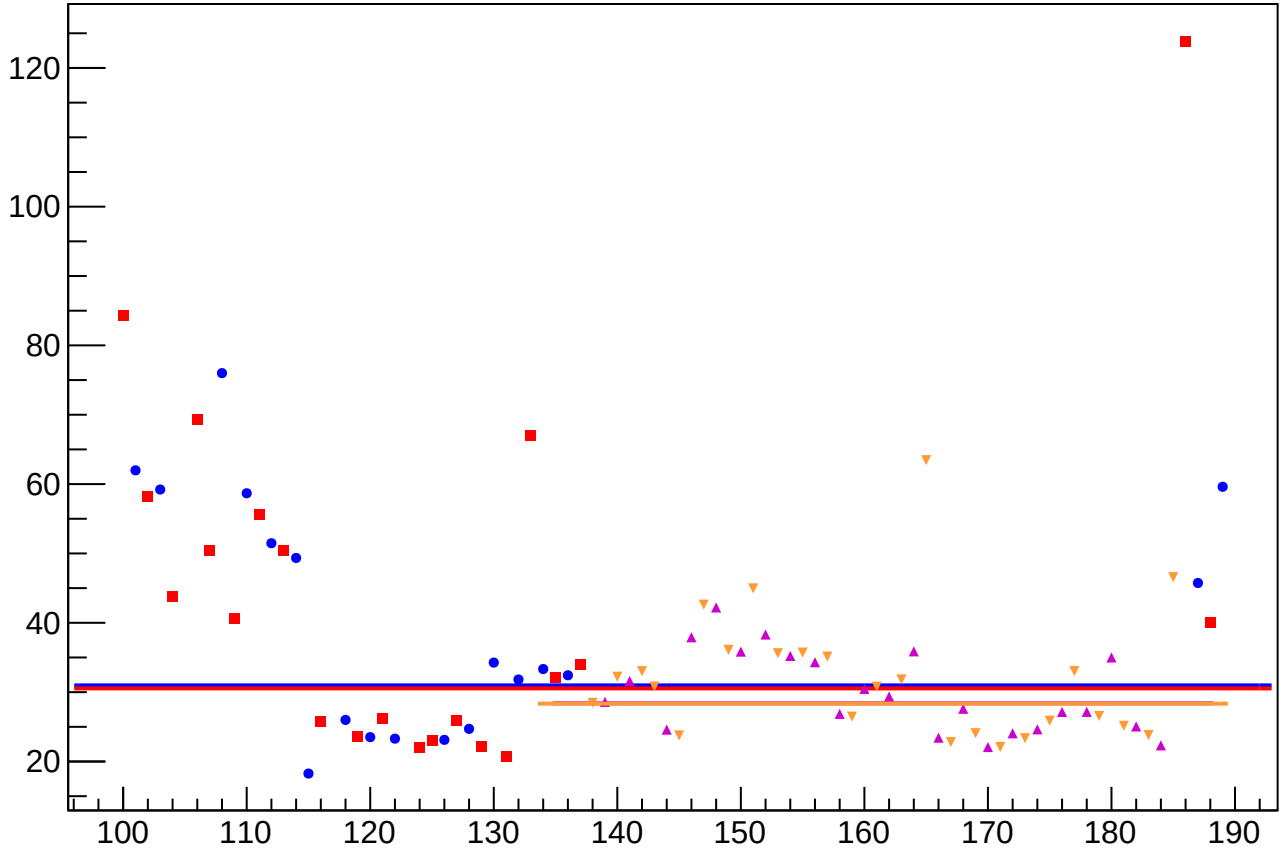
Right: 0.005+/-0.008 χ^2/NDF: 31.8/38

In: -0.002+/-0.006 χ^2/NDF:29.7/40

Out: -0.014+/-0.006 χ^2/NDF:62.7/45

All: -0.008+/-0.004 χ^2/NDF: 94.3/86

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.975+/-0.009 χ^2/NDF: 1961022.7/17

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 30.540+/-0.008 χ^2/NDF: 2402877.8/20

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

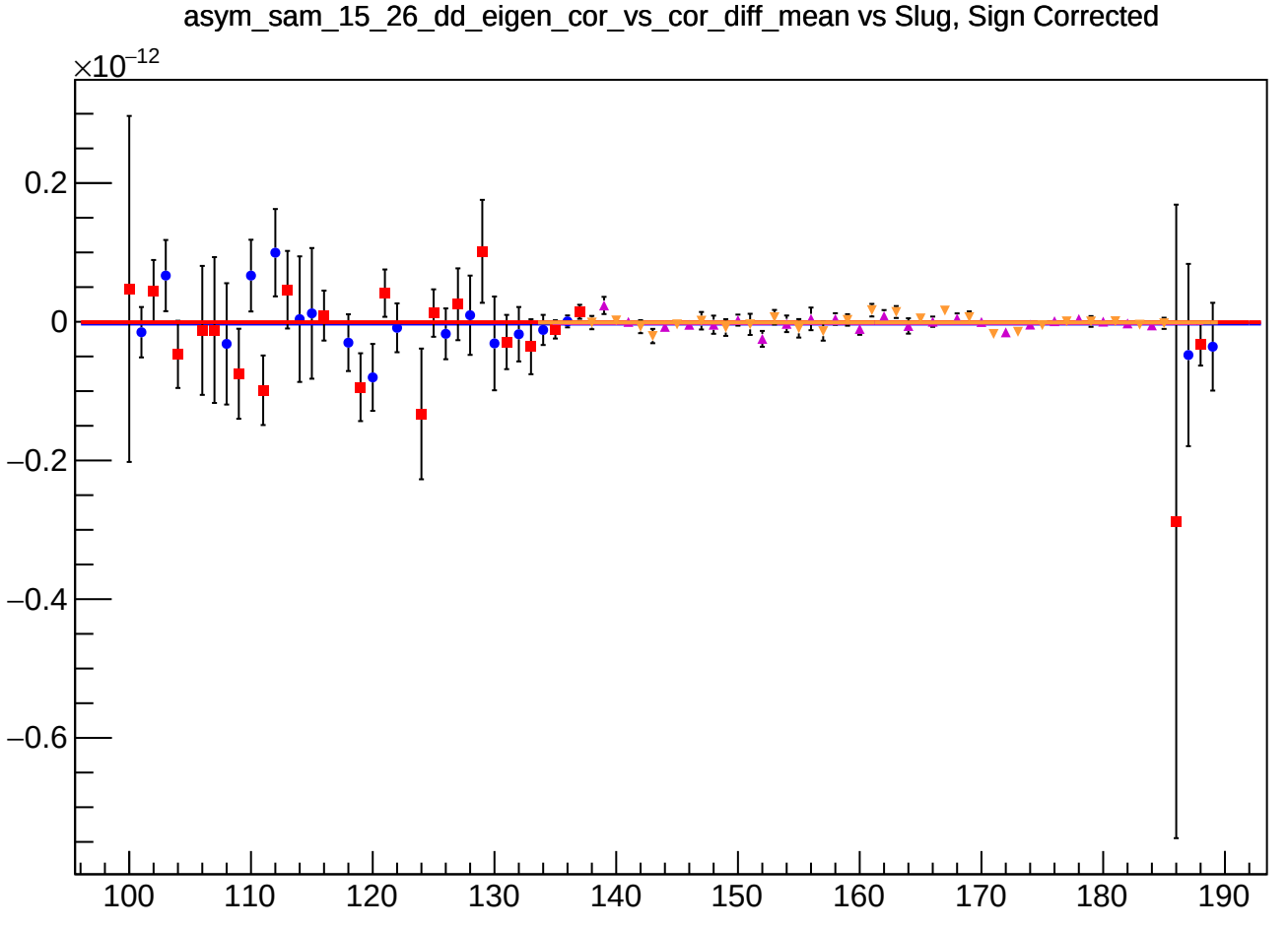
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 30.744+/-0.006 χ^2/NDF: 4365276.1/38

In: 29.020+/-0.004 χ^2/NDF:3129156.7/40

Out: 28.906+/-0.004 χ^2/NDF:4192269.2/45

All: 28.961+/-0.003 χ^2/NDF: 7321802.0/86



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/17

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/20

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

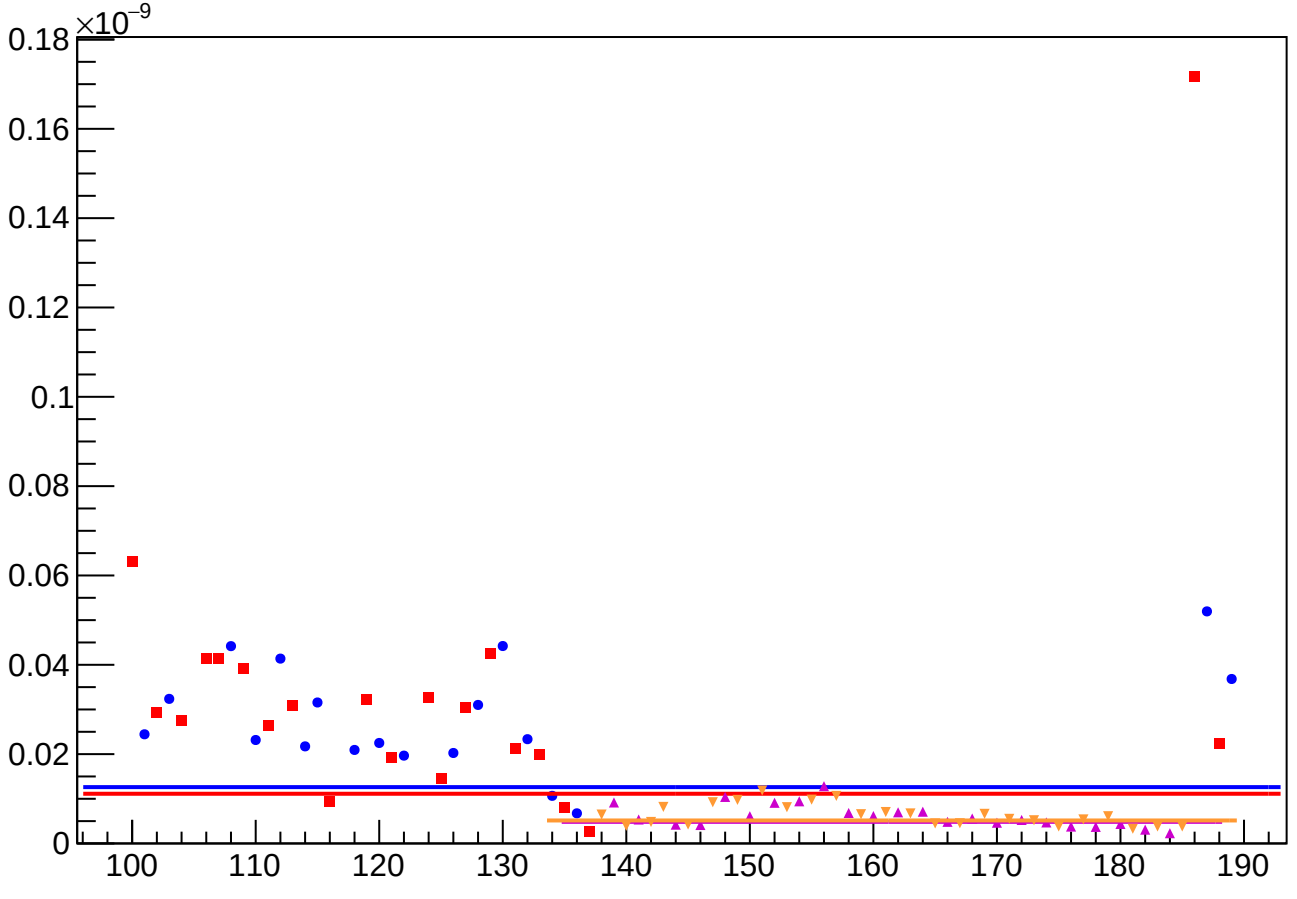
Right: -0.000+/-0.000 χ^2/NDF: 33.7/38

In: -0.000+/-0.000 χ^2/NDF:30.4/40

Out: -0.000+/-0.000 χ^2/NDF:57.0/45

All: -0.000+/-0.000 χ^2/NDF: 87.6/86

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3916163.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5295880.2/20

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

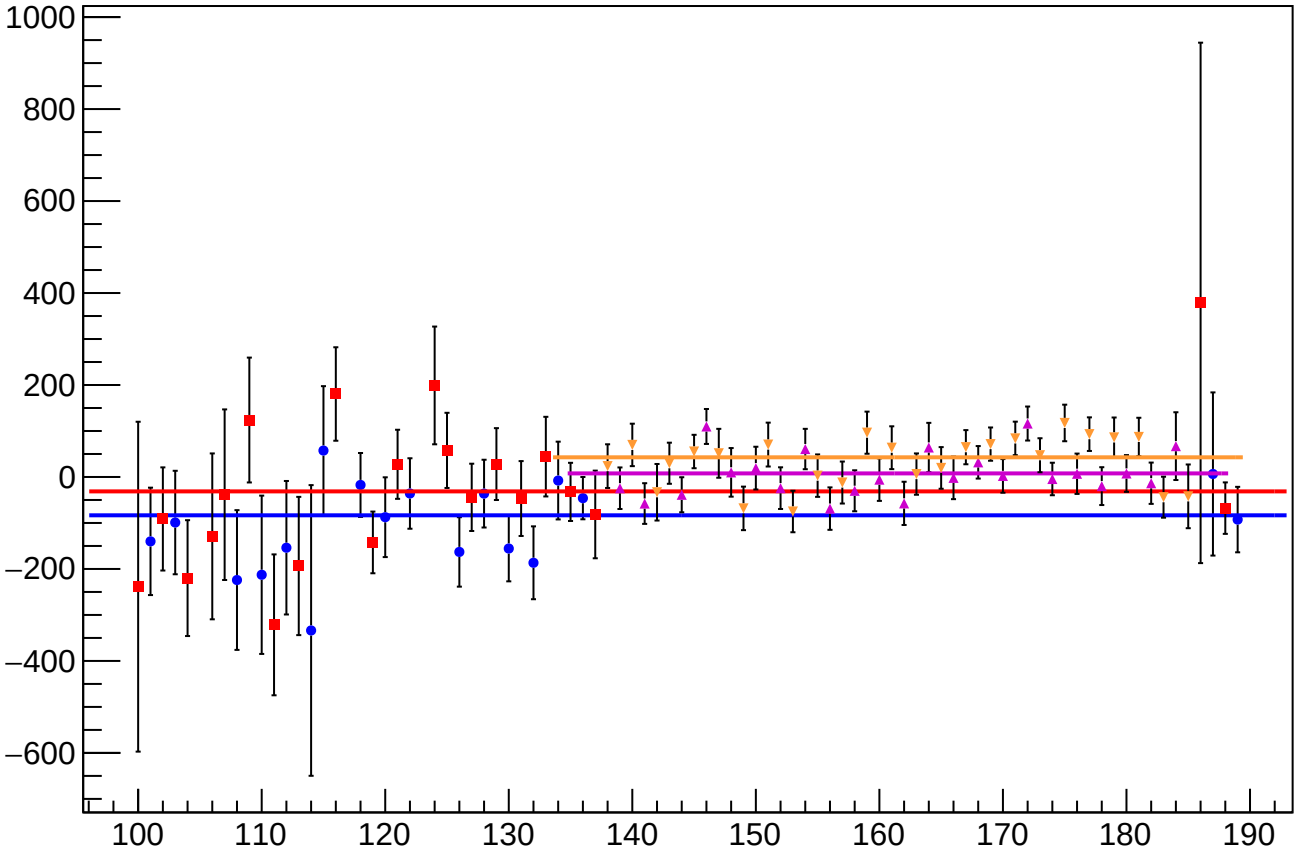
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9262176.3/38

In: 0.000+/-0.000 χ^2/NDF:9480312.0/40

Out: 0.000+/-0.000 χ^2/NDF:9935511.9/45

All: 0.000+/-0.000 χ^2/NDF: 19448779.0/86



Right In: -83.338+/-20.388 χ^2/NDF: 10.8/17

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -31.336+/-20.515 χ^2/NDF: 24.0/20

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

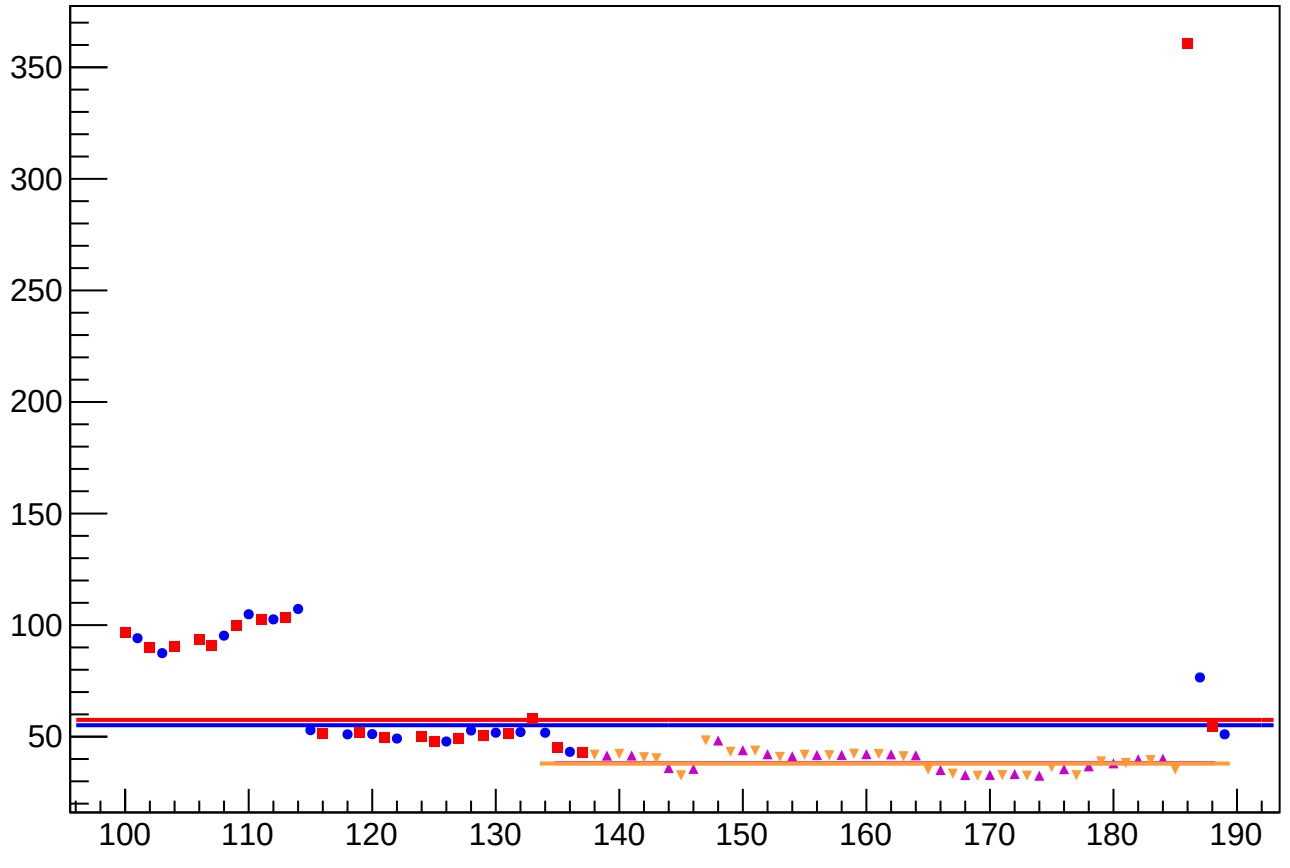
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -57.499+/-14.461 χ^2/NDF: 38.0/38

In: -7.007+/-8.214 χ^2/NDF:58.1/40

Out: 31.474+/-8.008 χ^2/NDF:69.8/45

All: 12.722+/-5.734 χ^2/NDF: 139.2/86



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.6/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.525+/-0.015 χ^2/NDF: 1861170.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

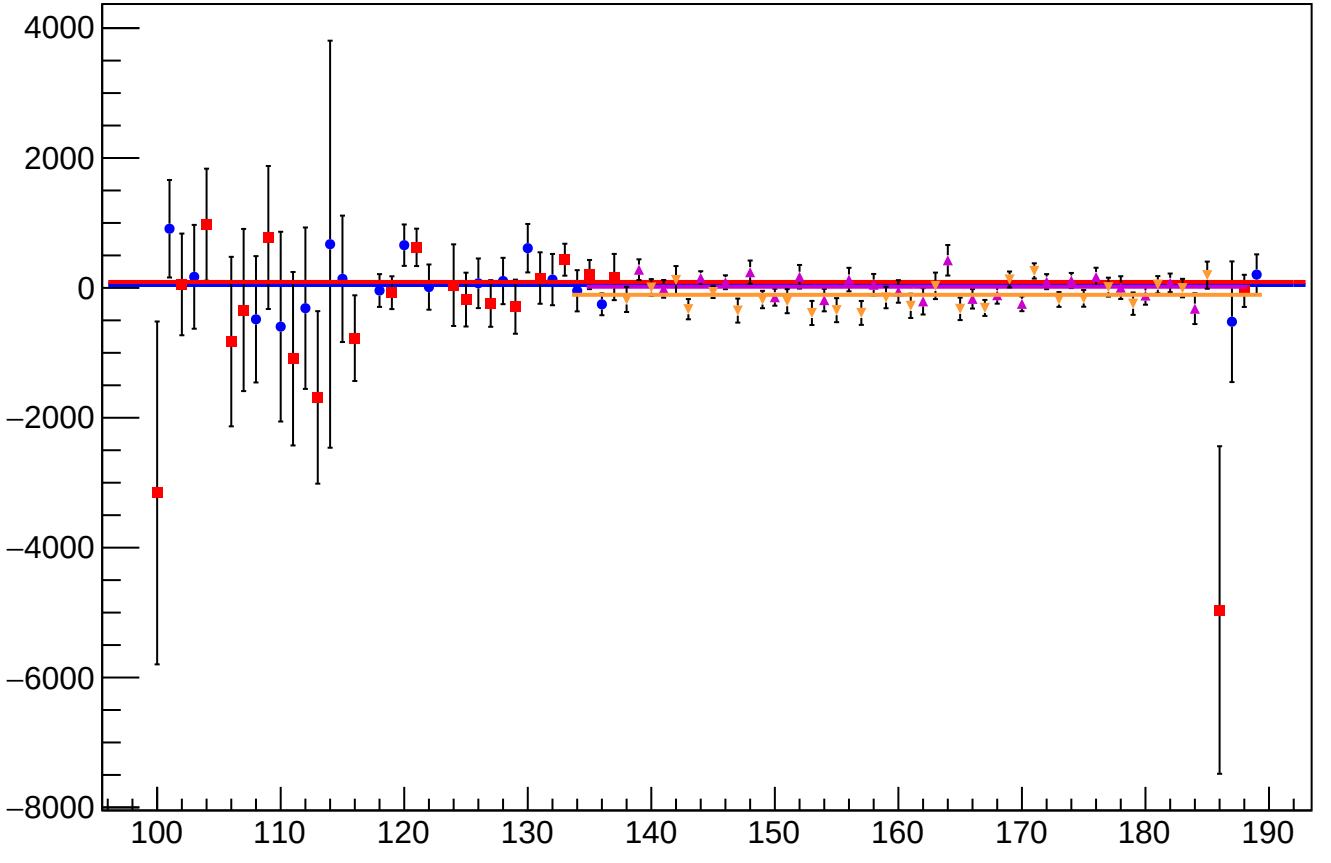
Right: 56.325+/-0.010 χ^2/NDF: 3063022.3/38

In: 40.893+/-0.006 χ^2/NDF:2782529.5/40

Out: 40.966+/-0.006 χ^2/NDF:3911878.7/45

All: 40.931+/-0.004 χ^2/NDF: 6694489.2/86

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 91.302+/-89.314 χ^2/NDF: 20.4/20

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

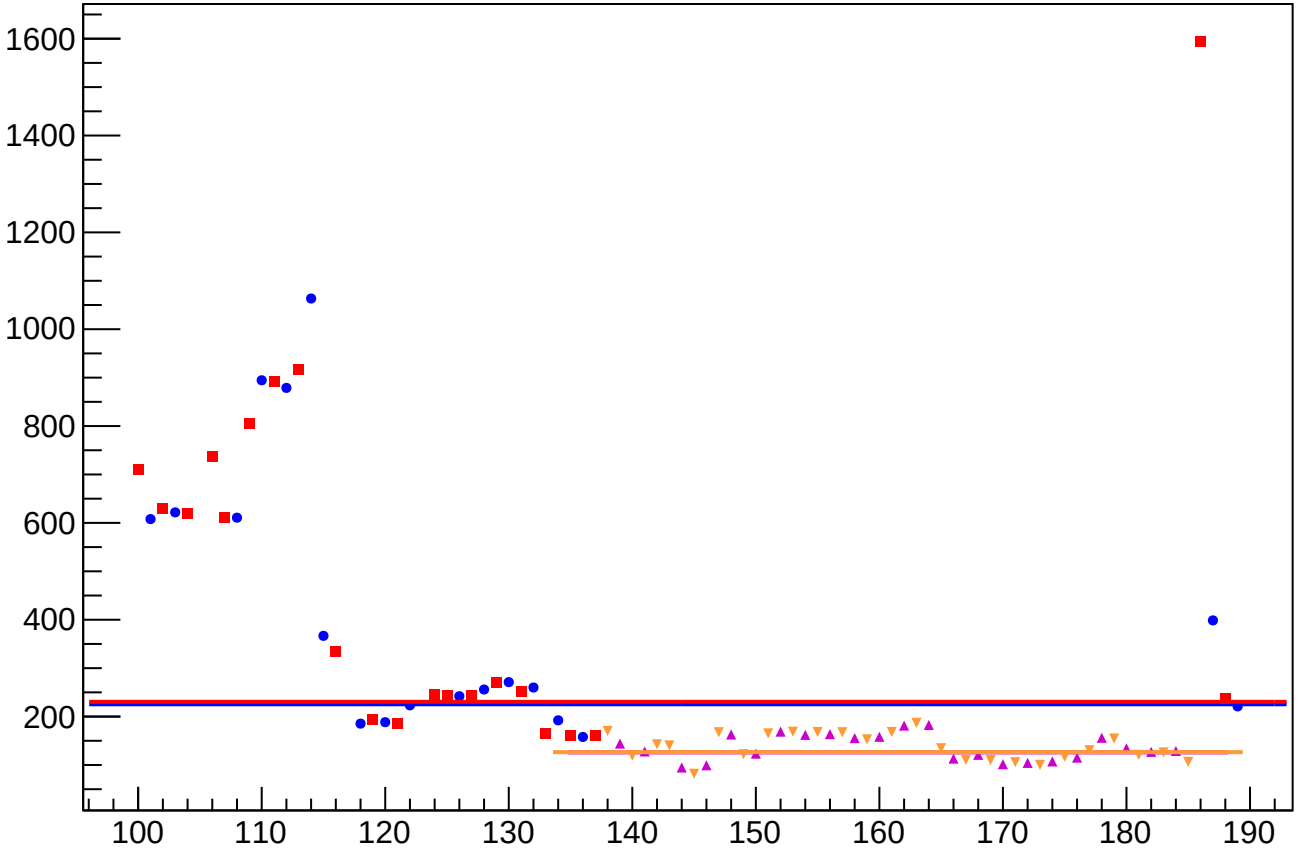
Right: 68.104+/-63.114 χ^2/NDF: 32.6/38

In: 20.337+/-28.593 χ^2/NDF:40.4/40

Out: -86.974+/-28.066 χ^2/NDF:62.5/45

All: -34.316+/-20.029 χ^2/NDF: 110.0/86

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 225.405+/-0.063 χ^2/NDF: 3038390.1/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 230.466+/-0.063 χ^2/NDF: 4228938.7/20

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

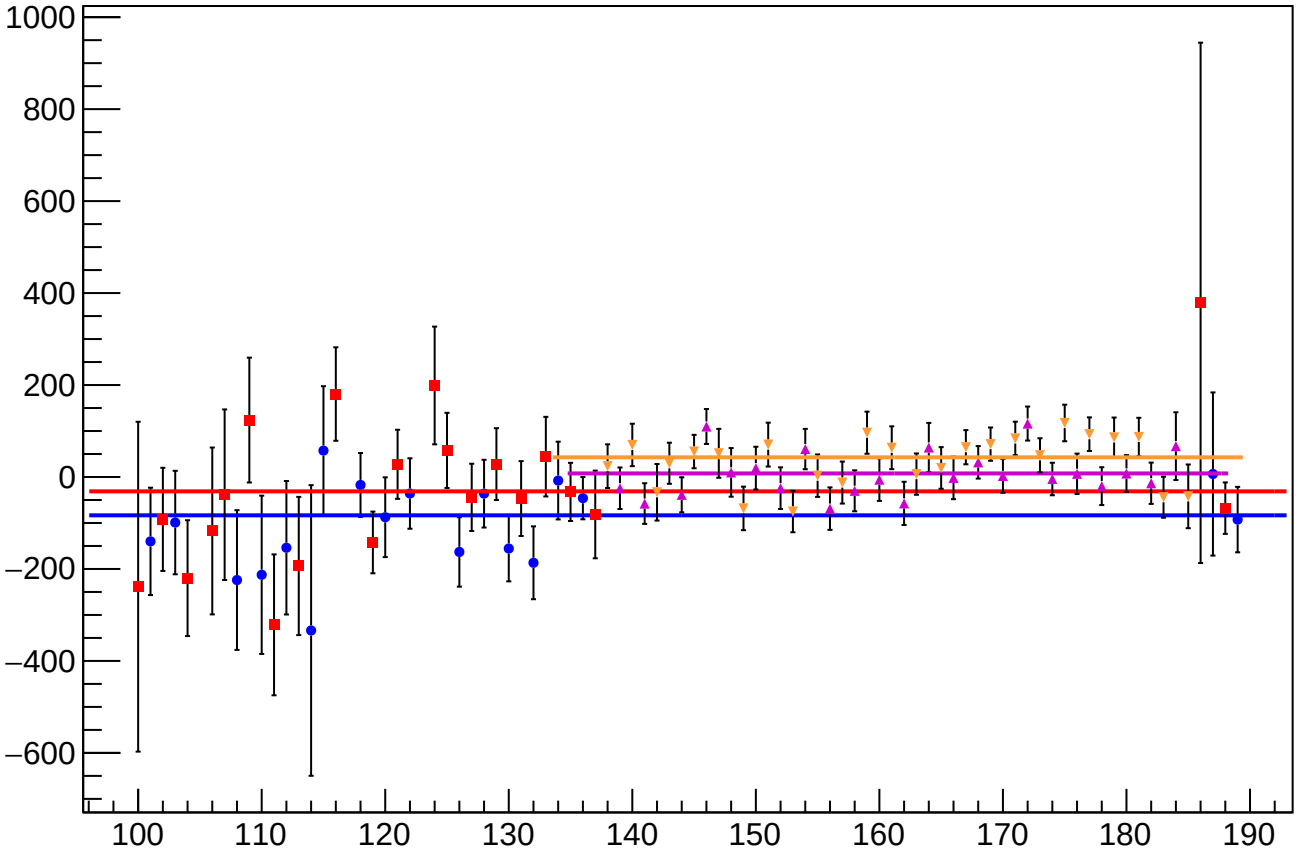
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 227.933+/-0.045 χ^2/NDF: 7270544.0/38

In: 136.226+/-0.020 χ^2/NDF:6677053.5/40

Out: 136.821+/-0.020 χ^2/NDF:8426692.3/45

All: 136.529+/-0.014 χ^2/NDF: 15104187.1/86



Right In: -83.336+/-20.388 χ^2/NDF: 10.8/17

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -31.200+/-20.517 χ^2/NDF: 23.9/20

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

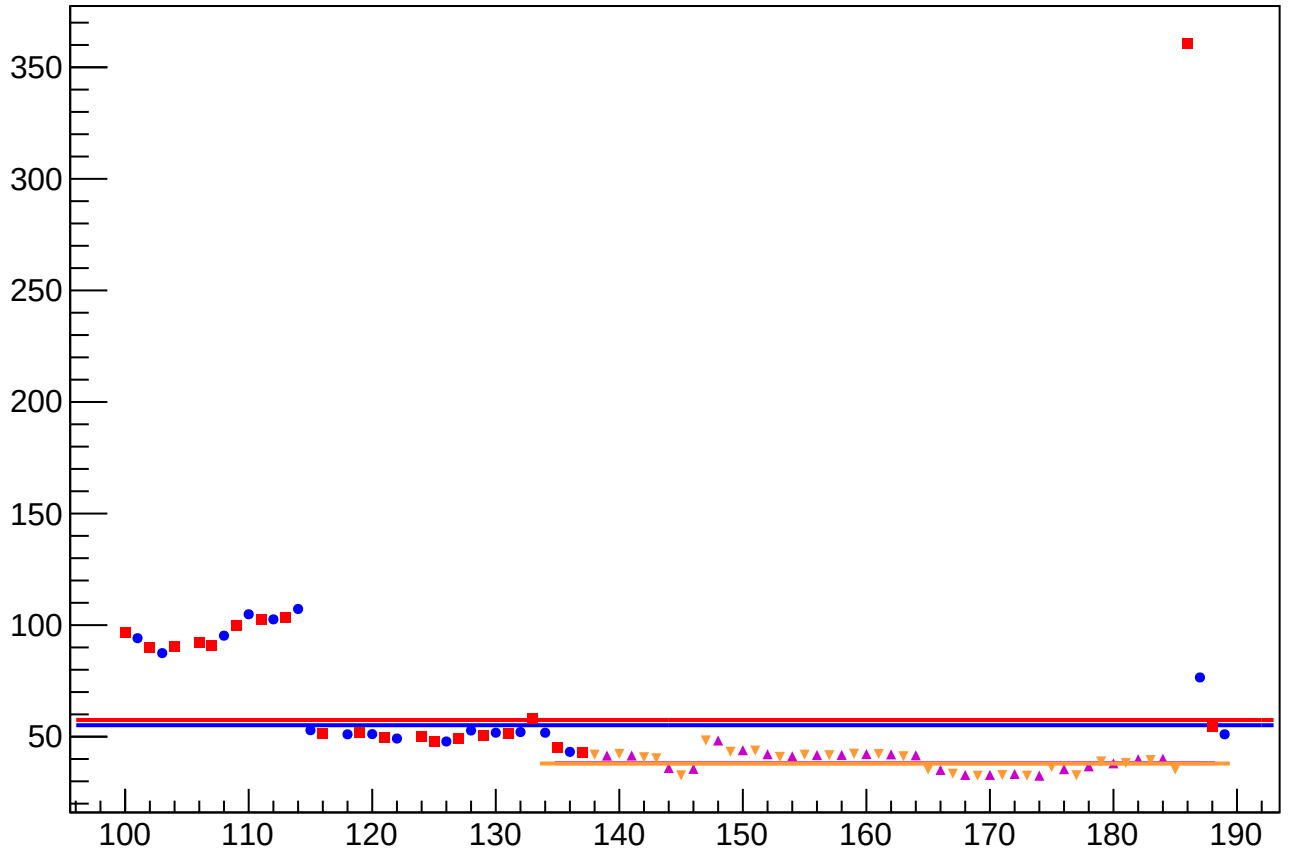
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -57.433+/-14.462 χ^2/NDF: 38.0/38

In: -7.005+/-8.214 χ^2/NDF:58.1/40

Out: 31.498+/-8.008 χ^2/NDF:69.7/45

All: 12.735+/-5.734 χ^2/NDF: 139.1/86



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.8/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.500+/-0.015 χ^2/NDF: 1853766.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

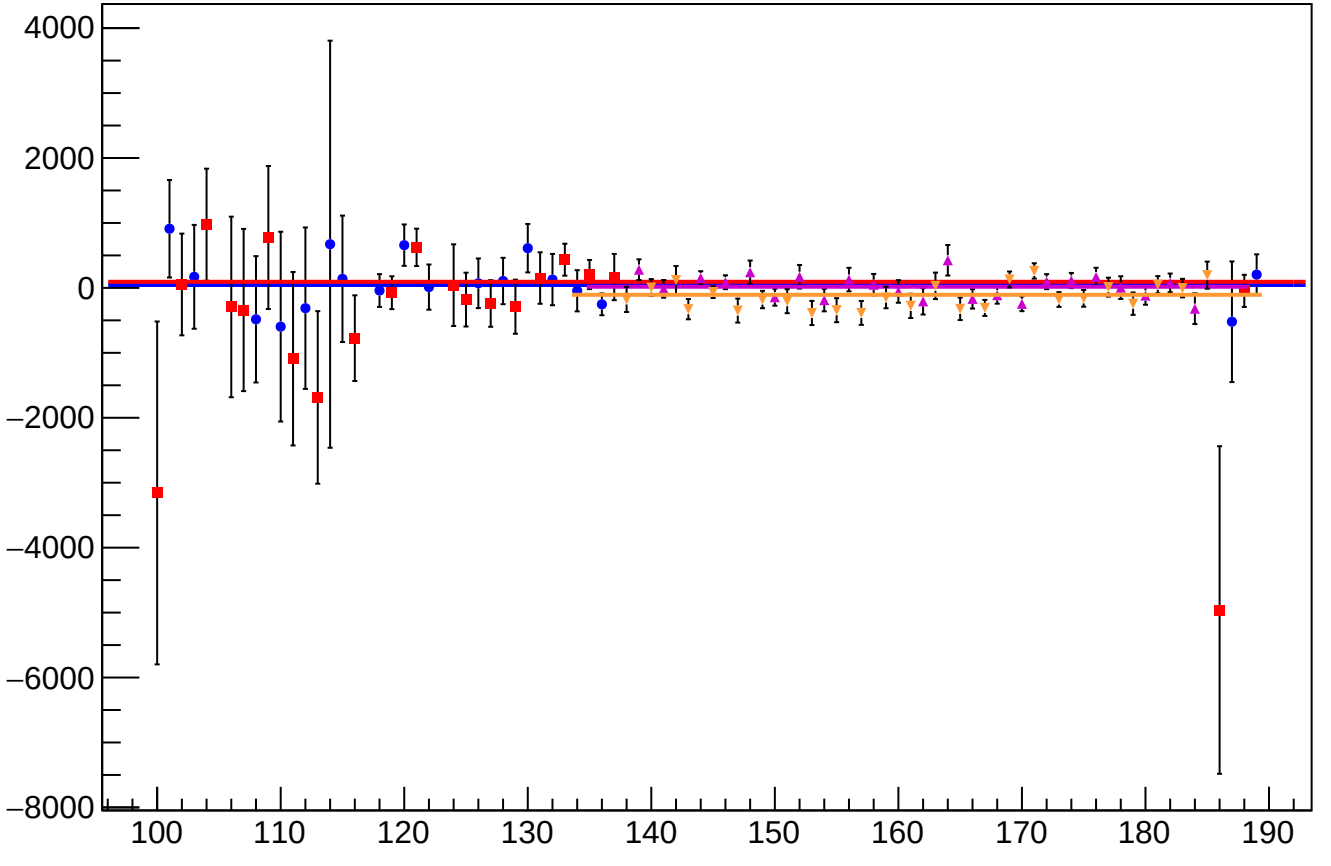
Right: 56.313+/-0.010 χ^2/NDF: 3055334.6/38

In: 40.893+/-0.006 χ^2/NDF:2782529.7/40

Out: 40.962+/-0.006 χ^2/NDF:3900334.2/45

All: 40.929+/-0.004 χ^2/NDF: 6682935.8/86

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 93.995+/-89.339 χ^2/NDF: 20.0/20

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

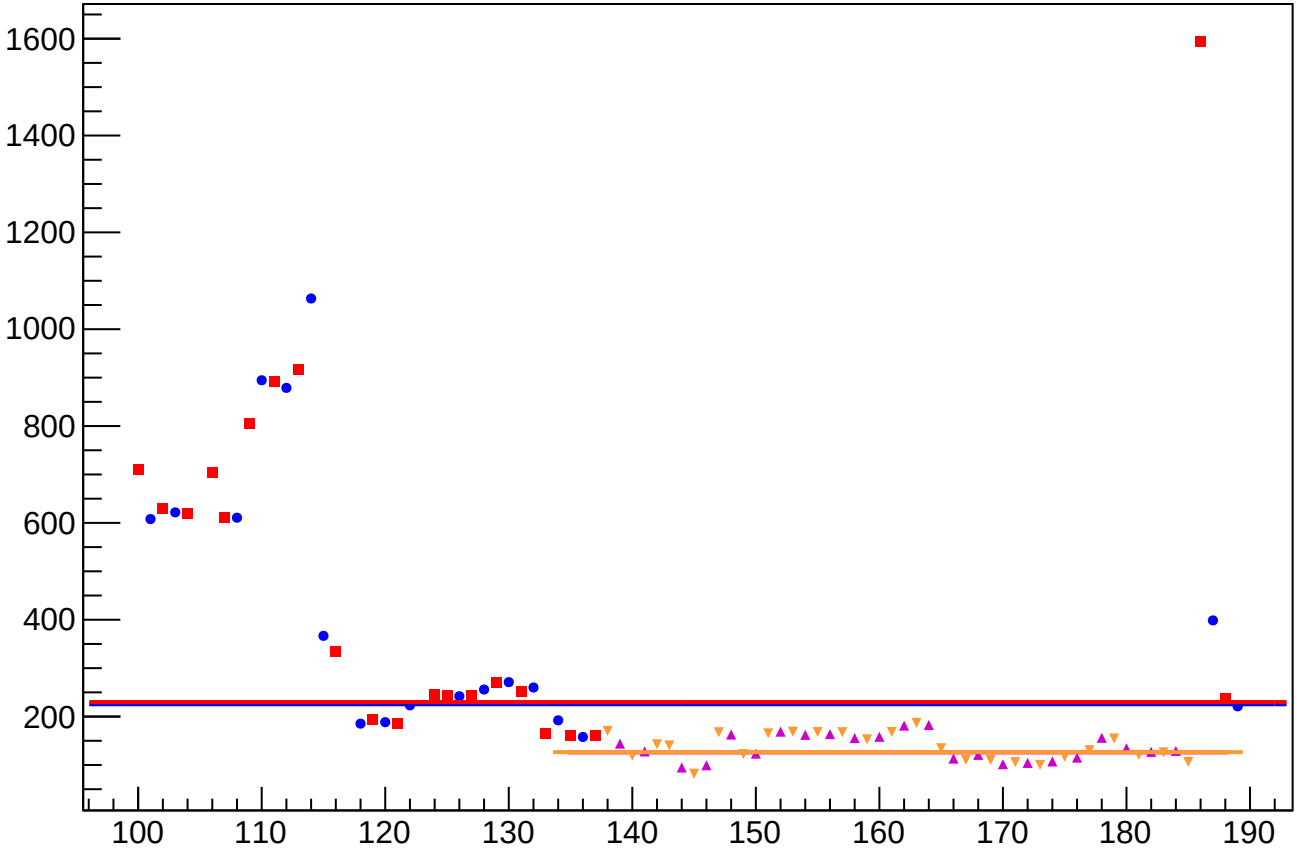
Right: 69.442+/-63.123 χ^2/NDF: 32.2/38

In: 20.338+/-28.593 χ^2/NDF:40.4/40

Out: -86.717+/-28.067 χ^2/NDF:62.2/45

All: -34.184+/-20.029 χ^2/NDF: 109.7/86

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 225.406+/-0.063 χ^2/NDF: 3038394.9/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.052+/-0.063 χ^2/NDF: 4160886.4/20

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

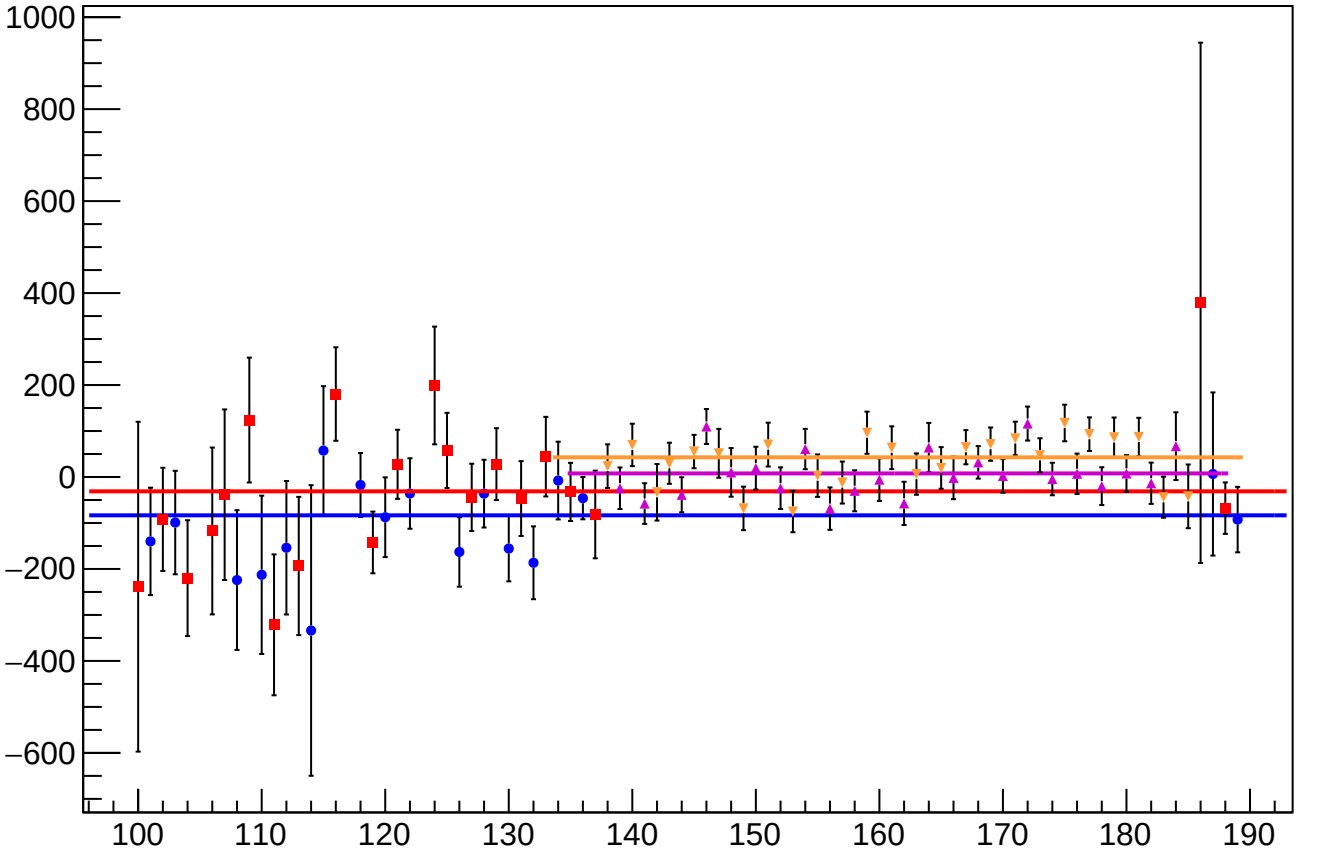
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

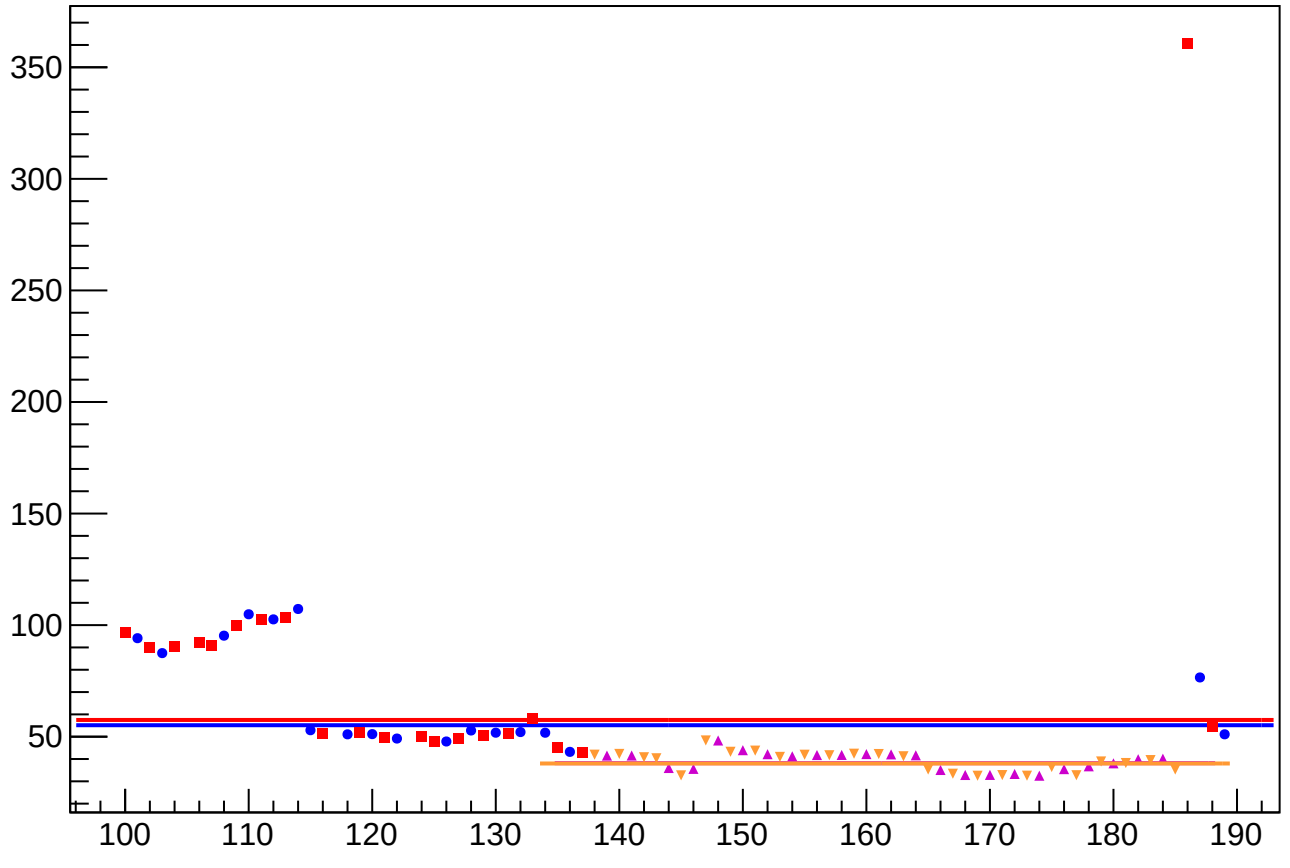
Right: 227.725+/-0.045 χ^2/NDF: 7201990.0/38

In: 136.226+/-0.020 χ^2/NDF:6677073.8/40

Out: 136.775+/-0.020 χ^2/NDF:8337943.6/45

All: 136.505+/-0.014 χ^2/NDF: 15015393.1/86


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
190
Right In: -83.336+/-20.388 χ²/NDF: 10.8/17
Left Out: 42.767+/-8.698 χ²/NDF:34.7/24
Right Out: -31.200+/-20.517 χ²/NDF: 23.9/20
Left In: 7.785+/-8.974 χ²/NDF:30.6/22
Left: 25.822+/-6.246 χ²/NDF: 73.2/47
Right: -57.433+/-14.462 χ²/NDF: 38.0/38
In: -7.005+/-8.214 χ²/NDF:58.1/40
Out: 31.498+/-8.008 χ²/NDF:69.7/45
All: 12.735+/-5.734 χ²/NDF: 139.1/86



Right In: 55.141+/-0.014 χ^2/NDF: 1188265.8/17

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.500+/-0.015 χ^2/NDF: 1853766.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

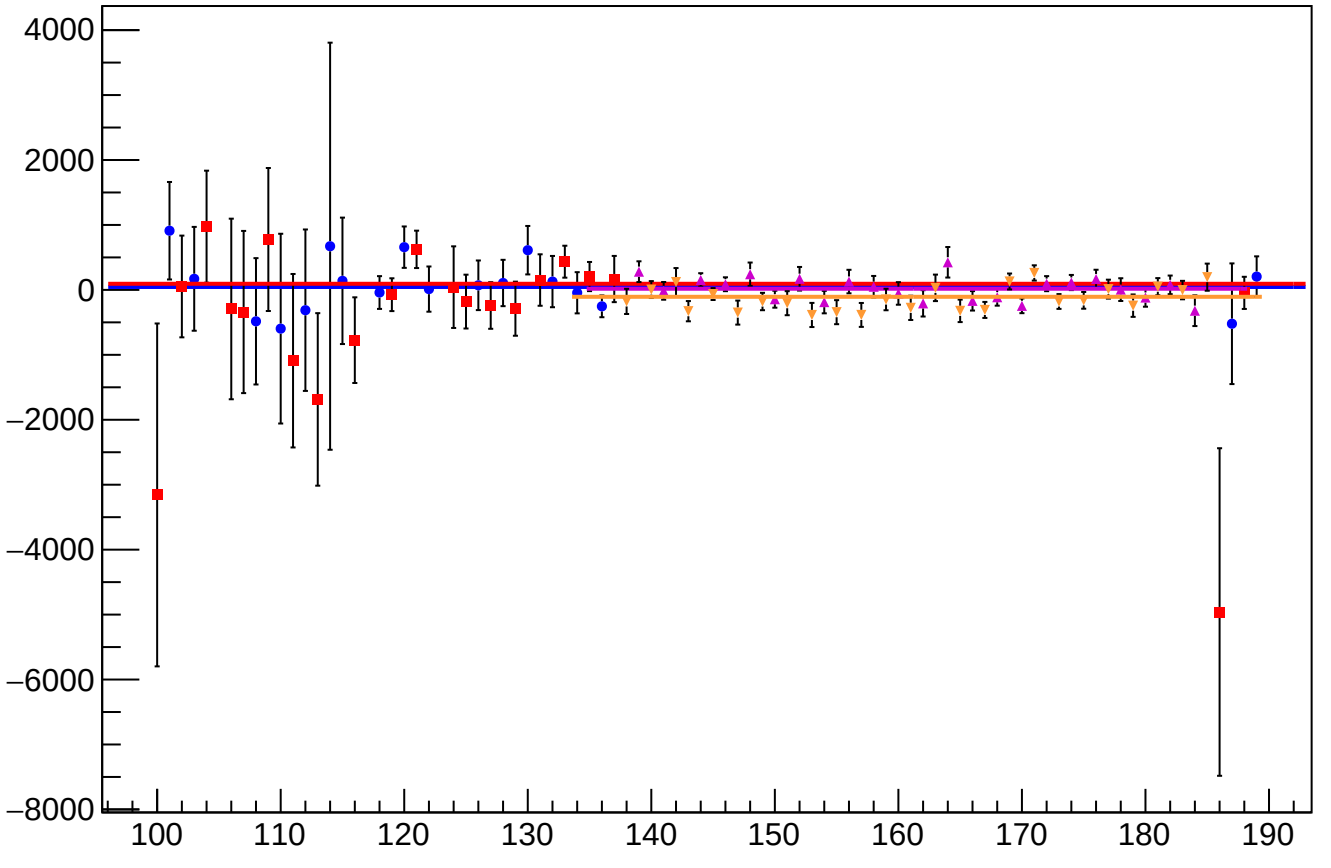
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 56.313+/-0.010 χ^2/NDF: 3055334.6/38

In: 40.893+/-0.006 χ^2/NDF:2782529.7/40

Out: 40.962+/-0.006 χ^2/NDF:3900334.2/45

All: 40.929+/-0.004 χ^2/NDF: 6682935.8/86



Right In: 44.966+/-89.200 χ^2/NDF: 12.0/17

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 93.995+/-89.339 χ^2/NDF: 20.0/20

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

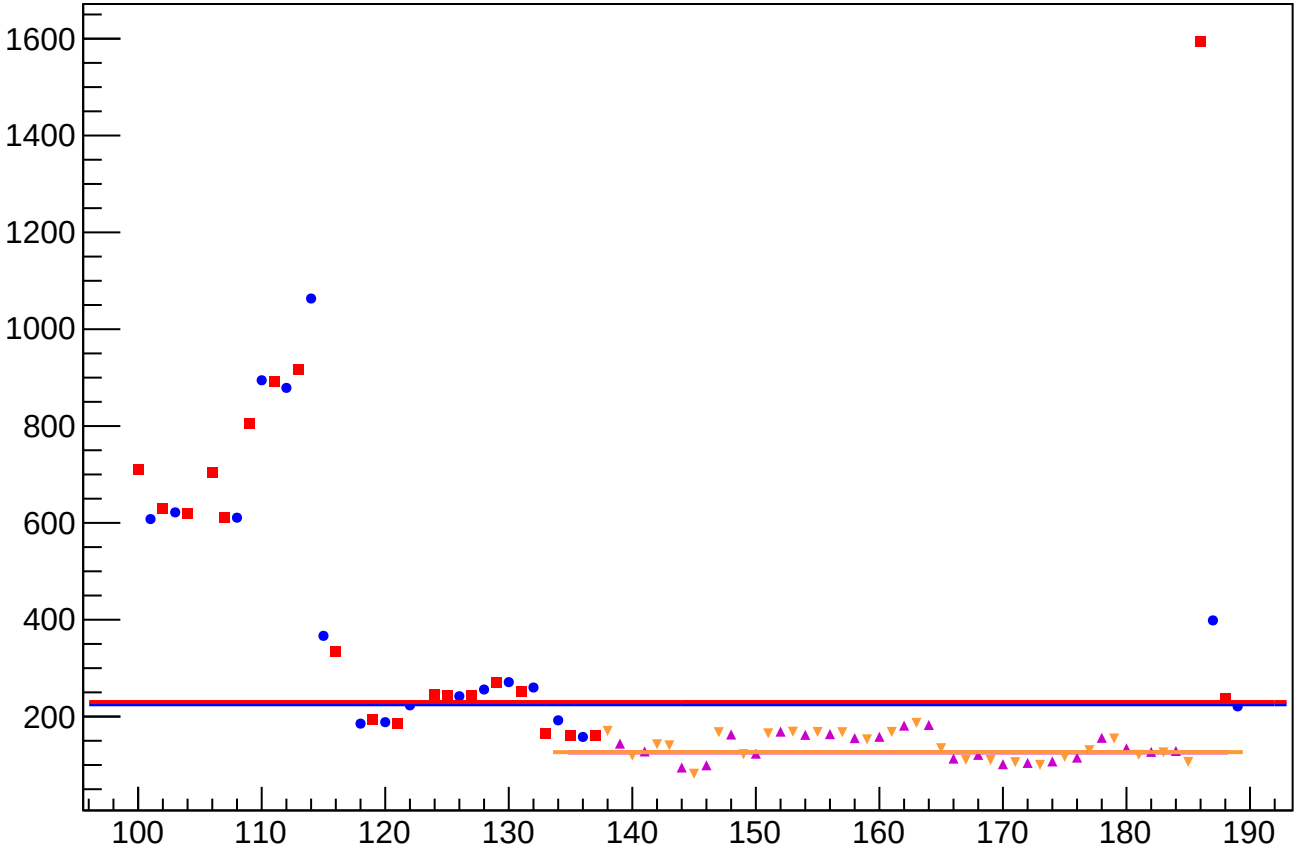
Right: 69.442+/-63.123 χ^2/NDF: 32.2/38

In: 20.338+/-28.593 χ^2/NDF:40.4/40

Out: -86.717+/-28.067 χ^2/NDF:62.2/45

All: -34.184+/-20.029 χ^2/NDF: 109.7/86

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 225.406+/-0.063 χ^2/NDF: 3038394.9/17

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.052+/-0.063 χ^2/NDF: 4160886.4/20

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

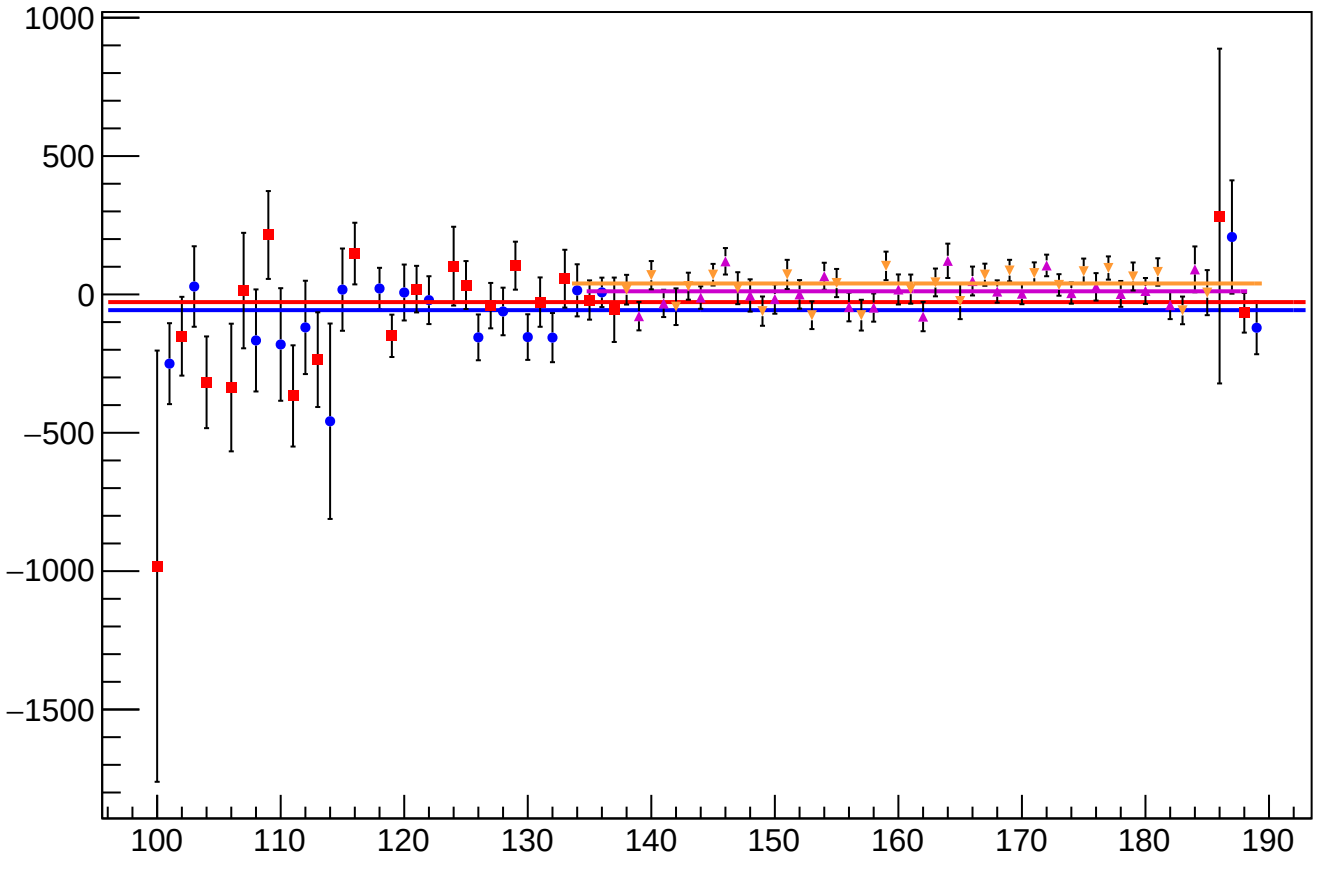
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 227.725+/-0.045 χ^2/NDF: 7201990.0/38

In: 136.226+/-0.020 χ^2/NDF:6677073.8/40

Out: 136.775+/-0.020 χ^2/NDF:8337943.6/45

All: 136.505+/-0.014 χ^2/NDF: 15015393.1/86



Right In: -56.805+/-23.566 χ^2/NDF: 14.4/17

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -27.709+/-23.723 χ^2/NDF: 24.7/20

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

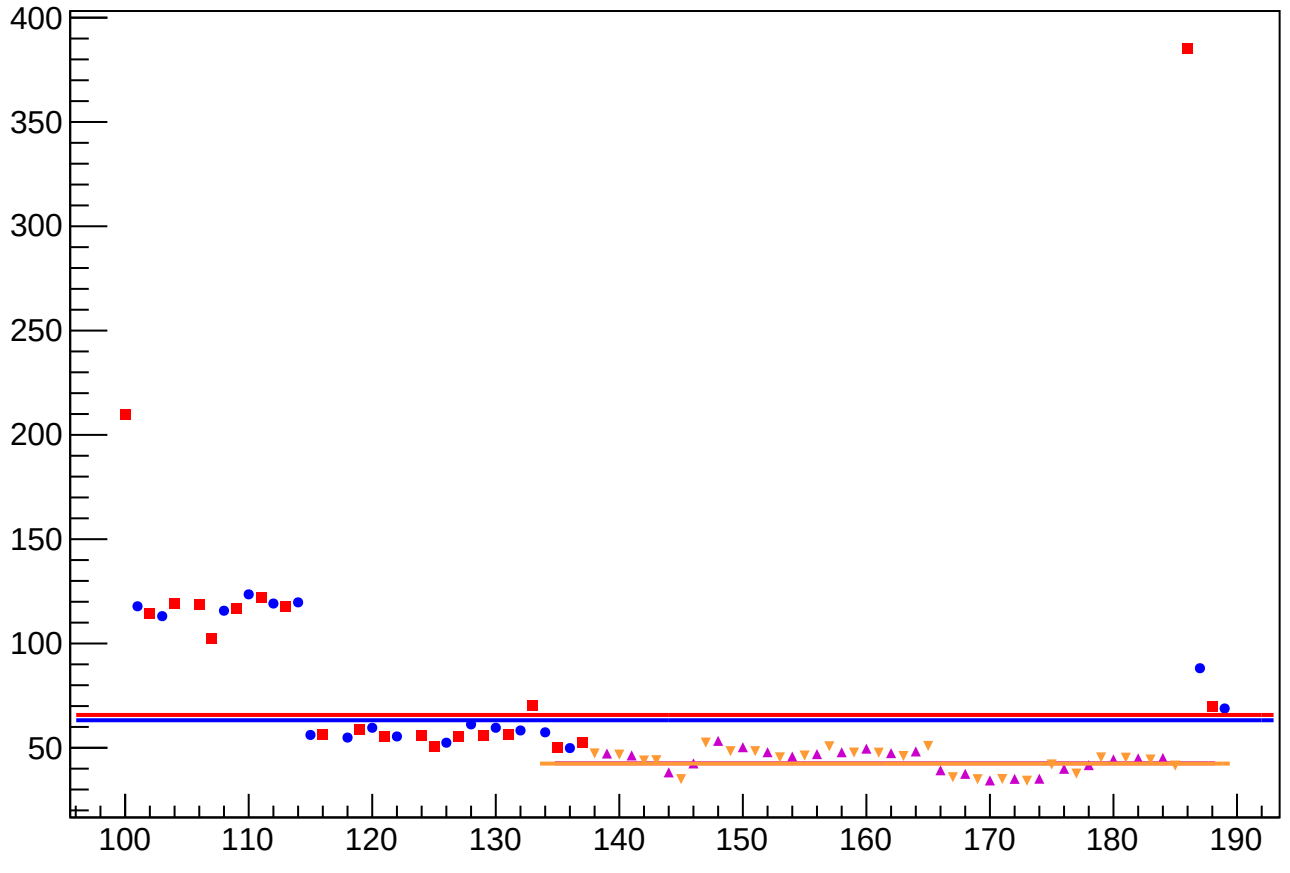
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -42.354+/-16.719 χ^2/NDF: 39.8/38

In: 0.777+/-9.265 χ^2/NDF:49.4/40

Out: 29.850+/-9.014 χ^2/NDF:61.2/45

All: 15.713+/-6.461 χ^2/NDF: 115.6/86



Right In: 63.202+/-0.017 χ^2/NDF: 1386675.5/17

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.746+/-0.017 χ^2/NDF: 2158555.7/20

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

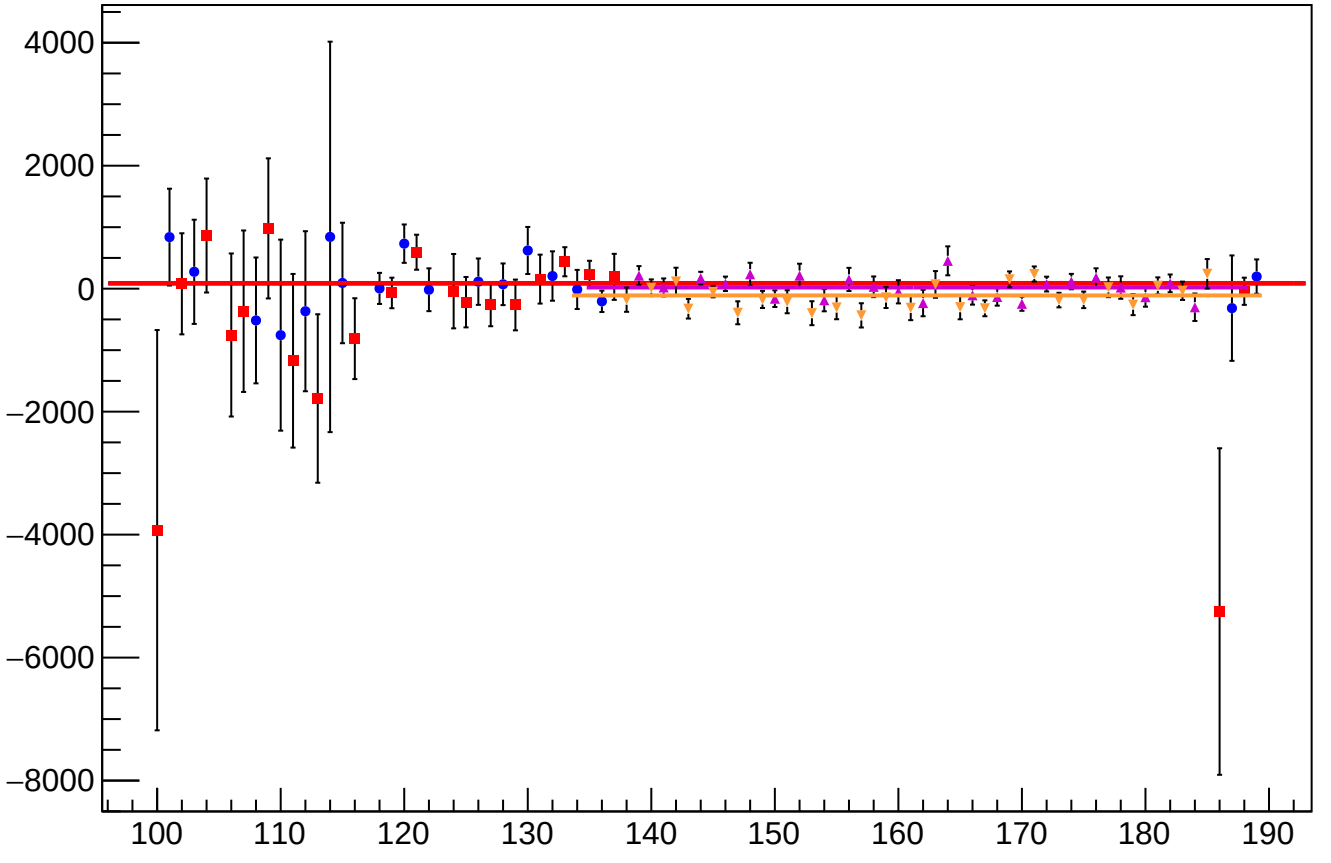
Right: 64.466+/-0.012 χ^2/NDF: 3556813.9/38

In: 45.767+/-0.007 χ^2/NDF:3271435.7/40

Out: 45.793+/-0.006 χ^2/NDF:4510951.5/45

All: 45.780+/-0.005 χ^2/NDF: 7782395.5/86

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 82.525+/-89.020 χ^2/NDF: 11.6/17

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 92.687+/-86.978 χ^2/NDF: 20.9/20

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

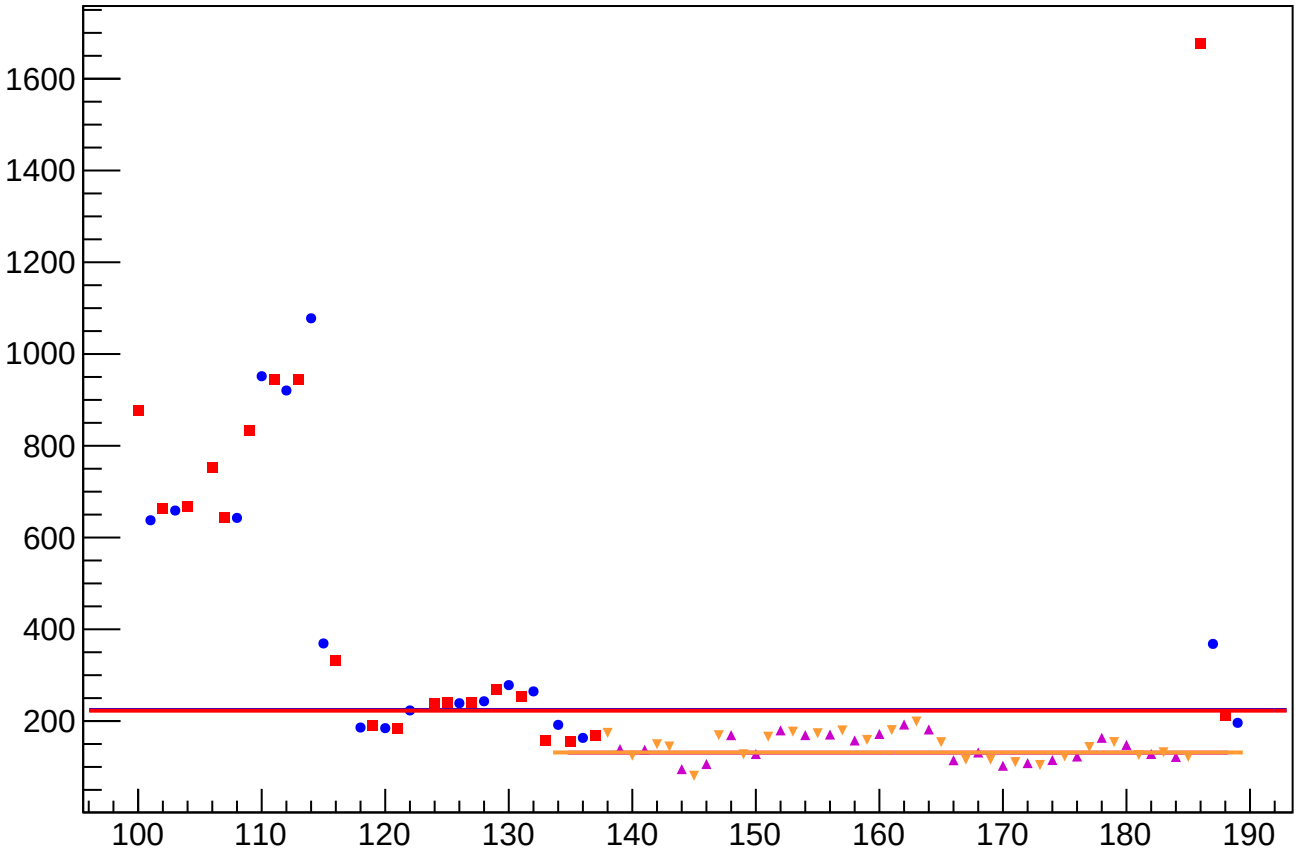
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 87.724+/-62.212 χ^2/NDF: 32.5/38

In: 25.916+/-29.676 χ^2/NDF:39.3/40

Out: -87.354+/-28.999 χ^2/NDF:62.0/45

All: -32.026+/-20.741 χ^2/NDF: 108.7/86



Right In: 224.153+/-0.063 χ^2/NDF: 3103101.1/17

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 222.689+/-0.062 χ^2/NDF: 4452571.1/20

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

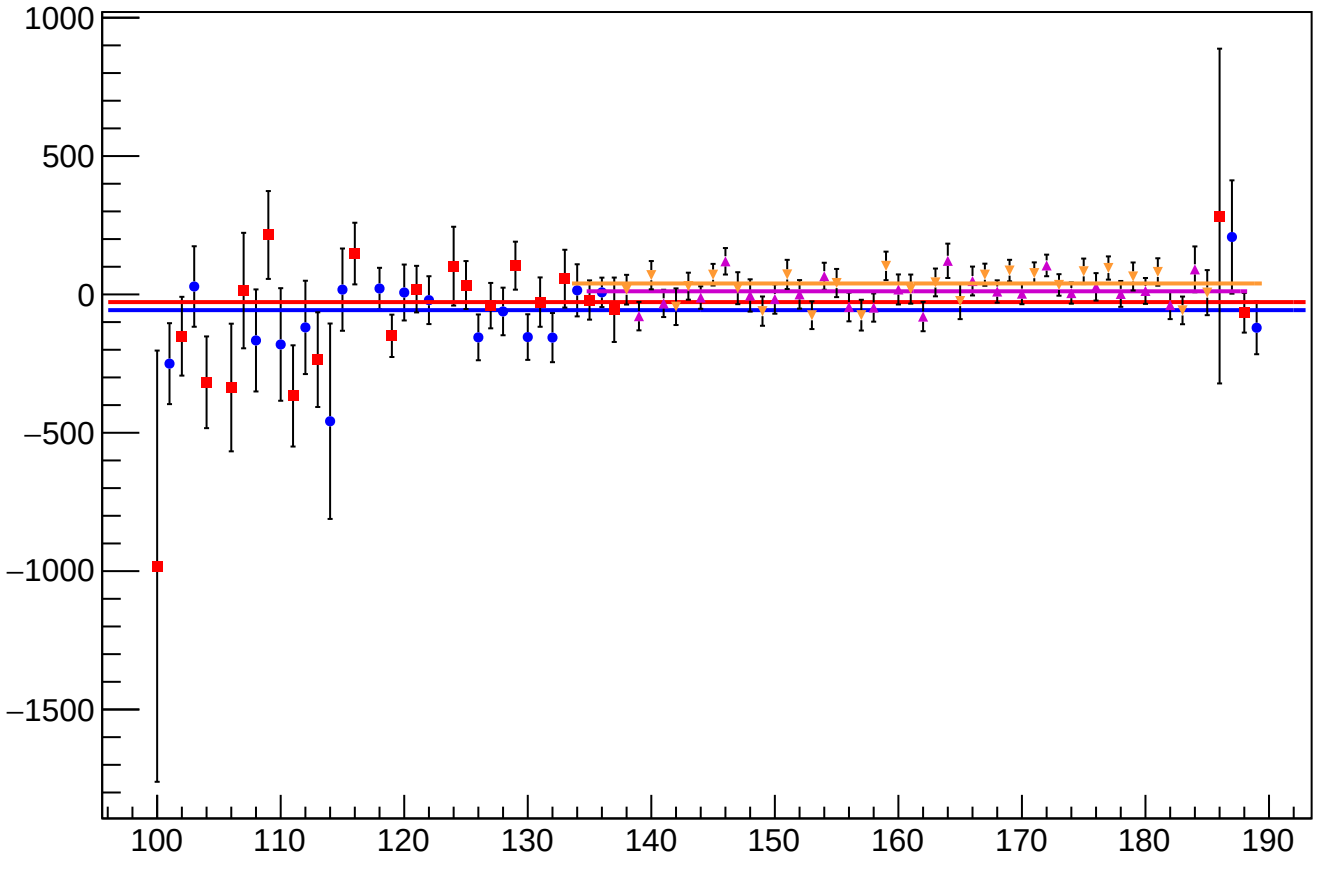
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 223.404+/-0.044 χ^2/NDF: 7555949.1/38

In: 141.418+/-0.021 χ^2/NDF:6514469.5/40

Out: 141.650+/-0.021 χ^2/NDF:8308857.0/45

All: 141.537+/-0.015 χ^2/NDF: 14823388.9/86



Right In: -56.806+/-23.566 χ^2/NDF: 14.4/17

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -27.711+/-23.723 χ^2/NDF: 24.7/20

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

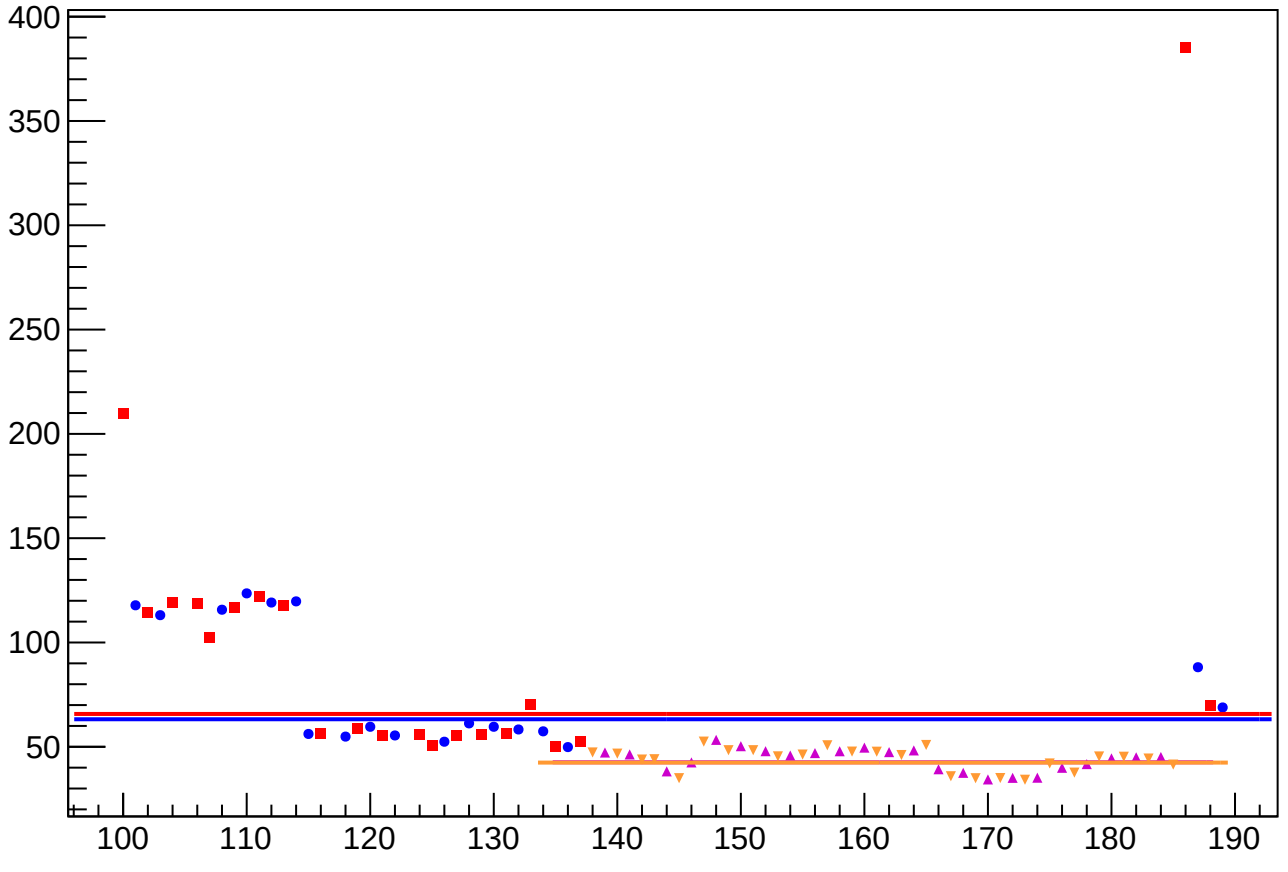
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -42.355+/-16.719 χ^2/NDF: 39.8/38

In: 0.777+/-9.266 χ^2/NDF:49.4/40

Out: 29.851+/-9.014 χ^2/NDF:61.2/45

All: 15.713+/-6.461 χ^2/NDF: 115.6/86



Right In: 63.201+/-0.017 χ^2/NDF: 1386661.5/17

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 65.746+/-0.017 χ^2/NDF: 2158541.9/20

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

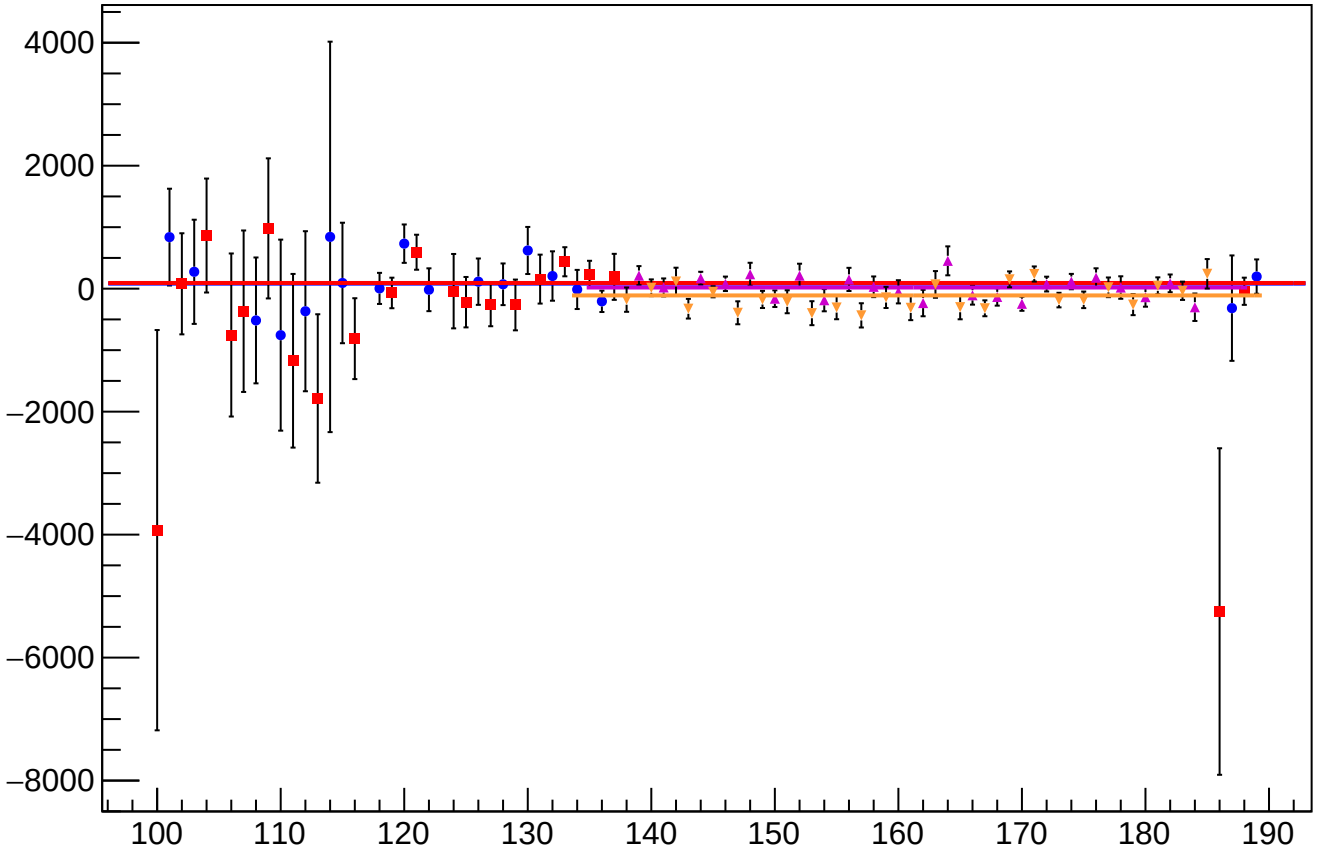
Right: 64.465+/-0.012 χ^2/NDF: 3556789.5/38

In: 45.767+/-0.007 χ^2/NDF:3271375.4/40

Out: 45.793+/-0.006 χ^2/NDF:4510947.4/45

All: 45.780+/-0.005 χ^2/NDF: 7782331.1/86

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 82.526+/-89.020 χ^2/NDF: 11.6/17

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 92.684+/-86.978 χ^2/NDF: 20.9/20

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

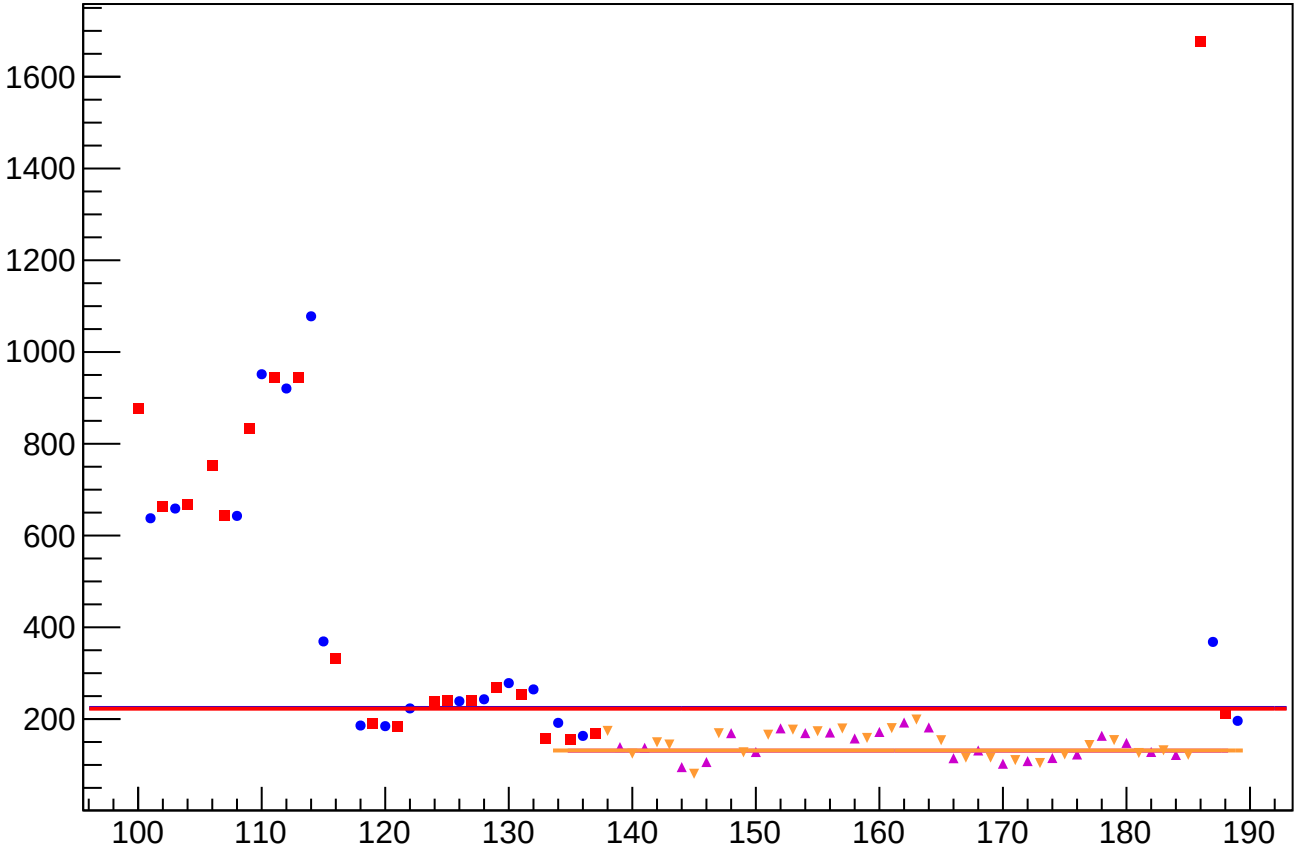
Right: 87.723+/-62.212 χ^2/NDF: 32.5/38

In: 25.916+/-29.676 χ^2/NDF:39.3/40

Out: -87.353+/-28.999 χ^2/NDF:62.0/45

All: -32.026+/-20.741 χ^2/NDF: 108.7/86

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 224.153+/-0.063 χ^2/NDF: 3103088.7/17

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 222.688+/-0.062 χ^2/NDF: 4452554.5/20

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

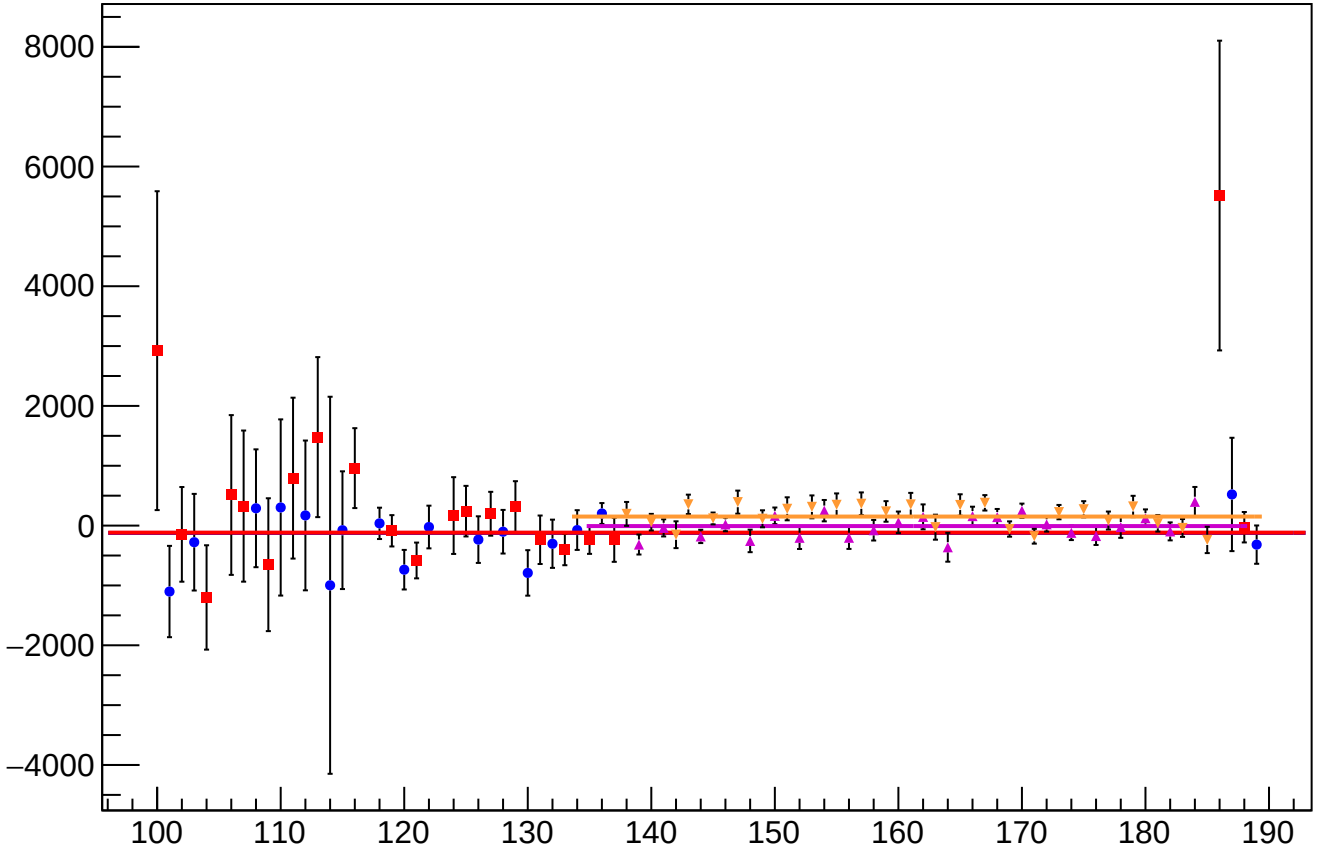
Right: 223.404+/-0.044 χ^2/NDF: 7555920.1/38

In: 141.418+/-0.021 χ^2/NDF:6514449.6/40

Out: 141.650+/-0.021 χ^2/NDF:8308823.5/45

All: 141.537+/-0.015 χ^2/NDF: 14823335.6/86

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -122.963+/-92.000 χ^2/NDF: 13.7/17

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -117.881+/-92.336 χ^2/NDF: 19.6/20

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

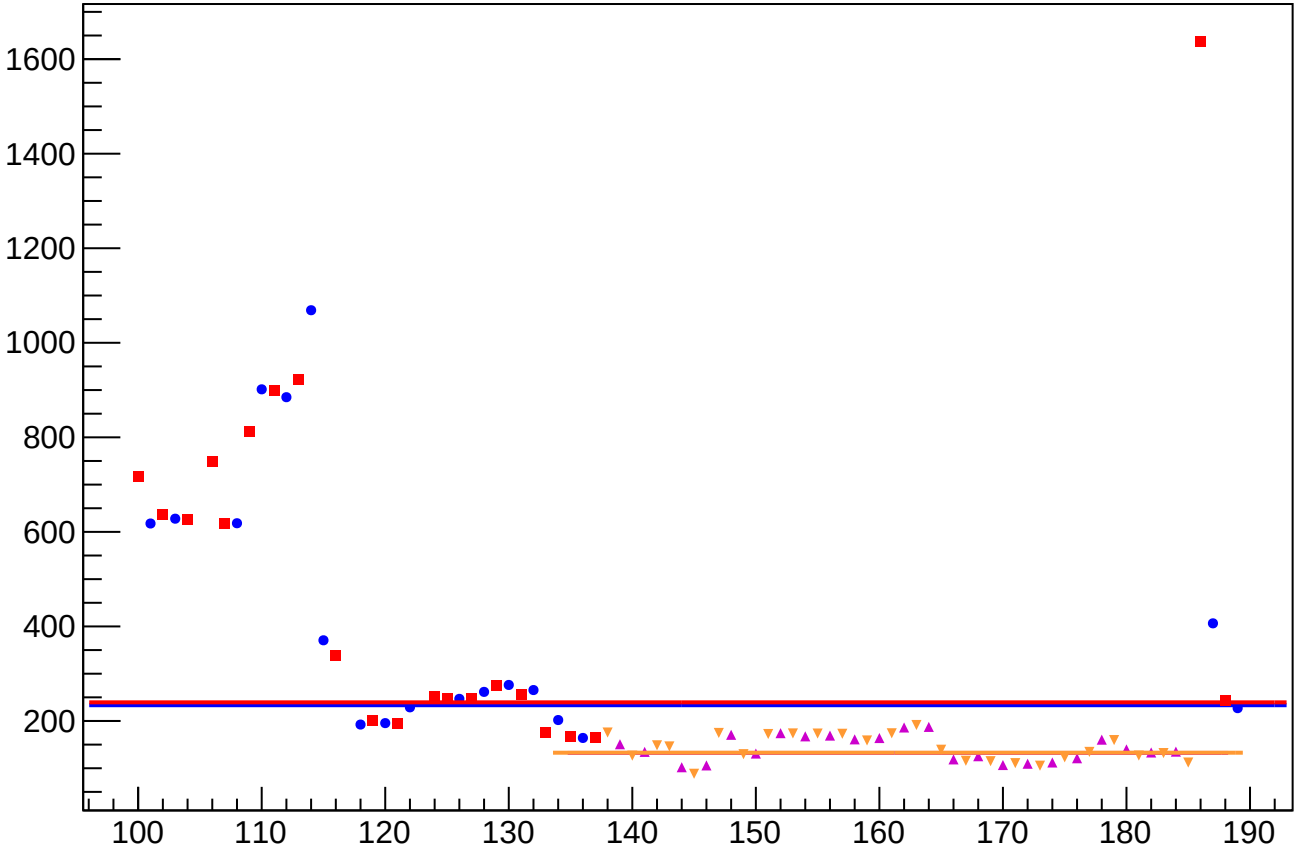
Right: -120.431+/-65.172 χ^2/NDF: 33.2/38

In: -20.094+/-29.904 χ^2/NDF:44.5/40

Out: 123.937+/-29.347 χ^2/NDF:60.3/45

All: 53.276+/-20.946 χ^2/NDF: 116.6/86

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 233.342+/-0.065 χ^2/NDF: 2953491.1/17

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 239.429+/-0.065 χ^2/NDF: 4106766.5/20

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

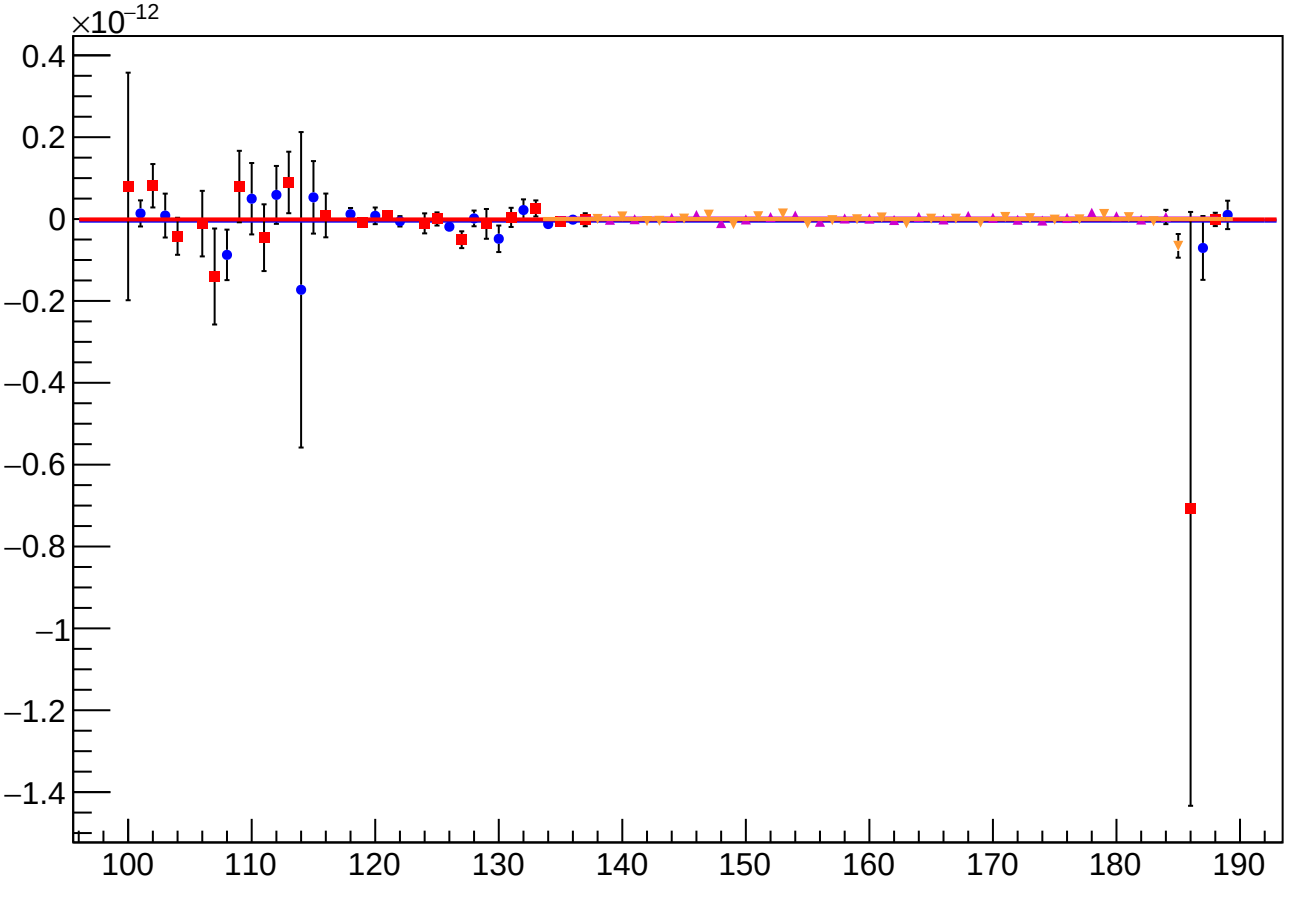
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 236.374+/-0.046 χ^2/NDF: 7064619.5/38

In: 143.013+/-0.021 χ^2/NDF:6387021.1/40

Out: 143.639+/-0.021 χ^2/NDF:8093333.2/45

All: 143.332+/-0.015 χ^2/NDF: 14480801.1/86



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/20

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

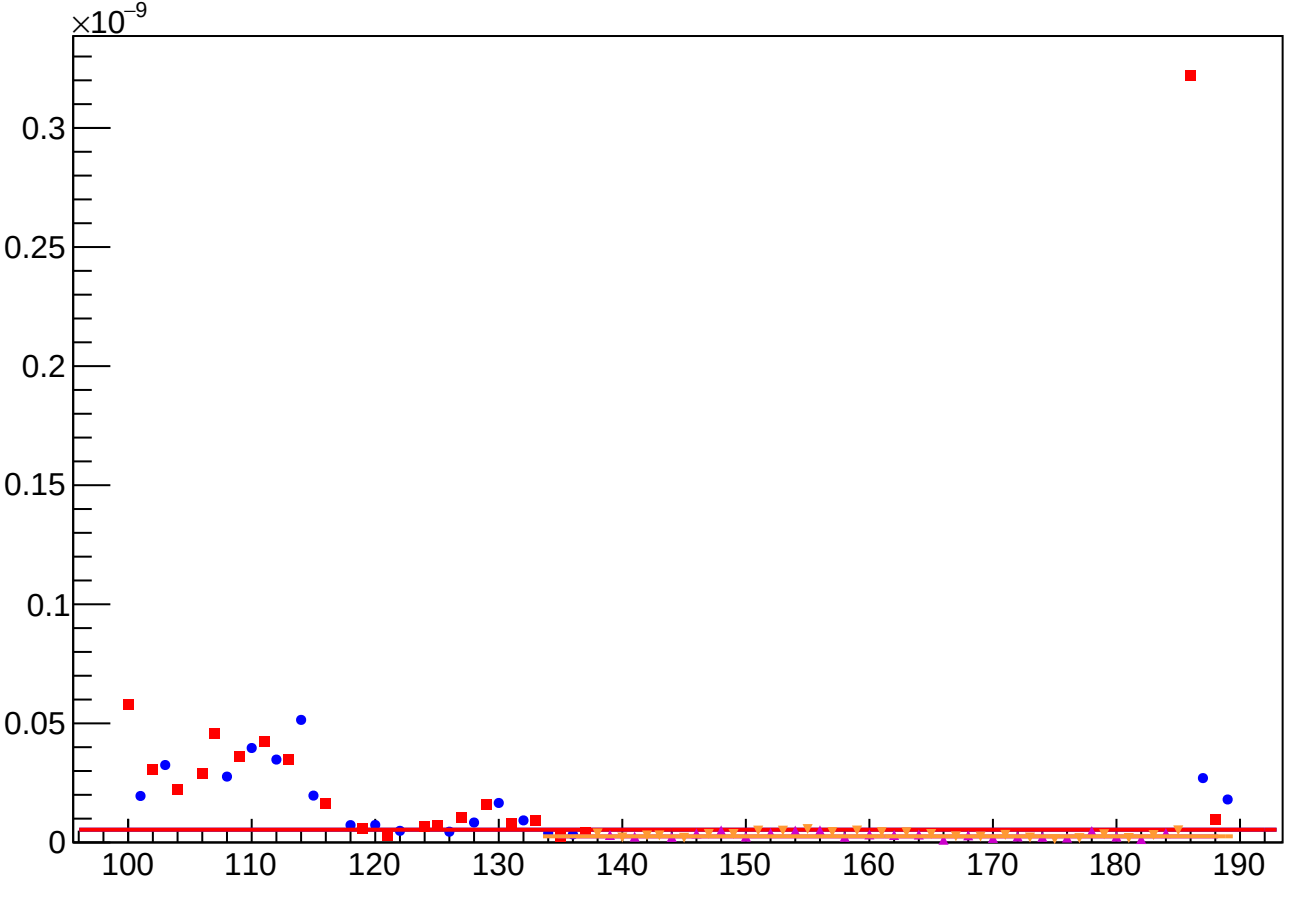
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.7/38

In: 0.000+/-0.000 χ^2/NDF:29.2/40

Out: 0.000+/-0.000 χ^2/NDF:51.3/45

All: 0.000+/-0.000 χ^2/NDF: 80.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 3046068.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3758289.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

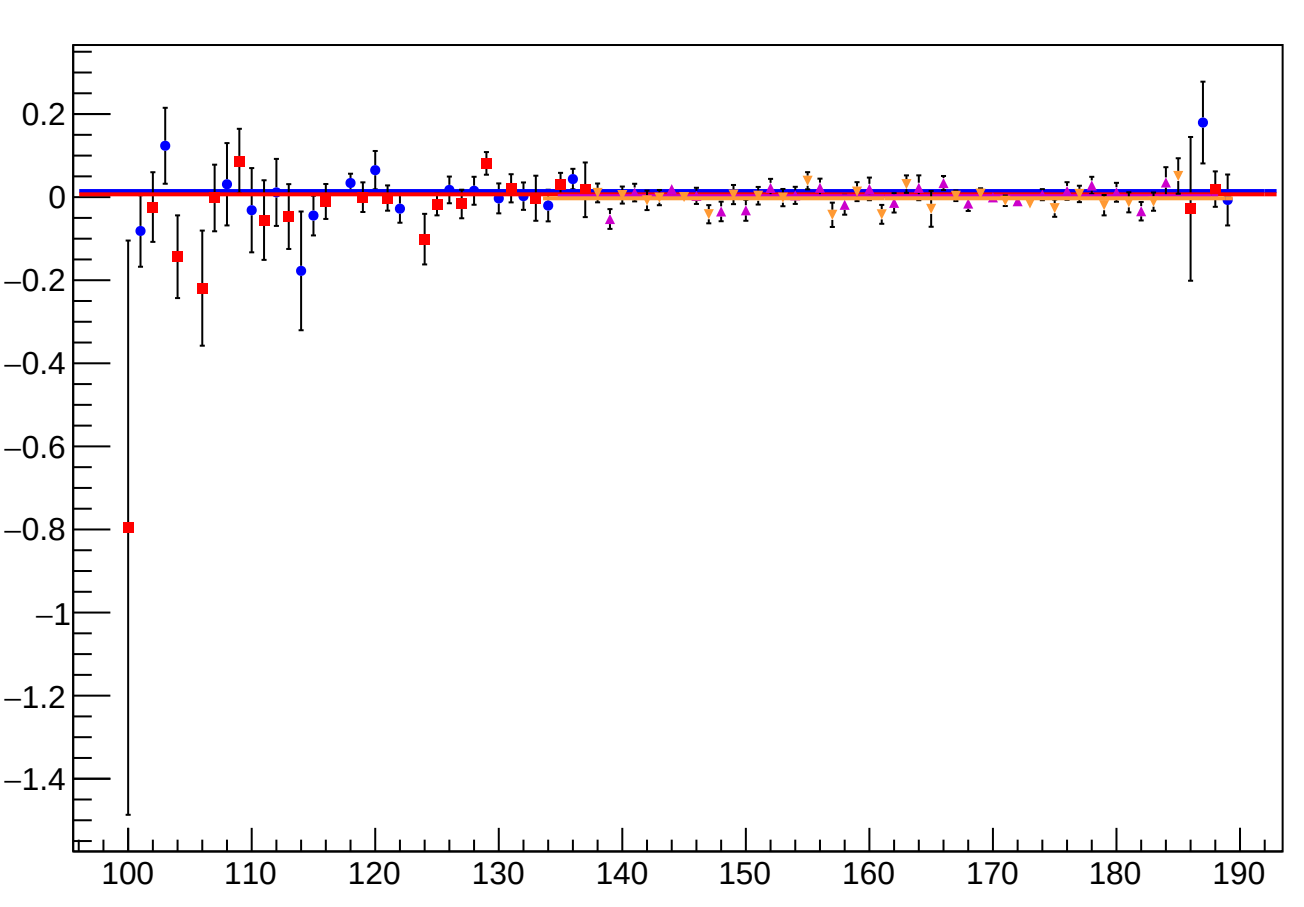
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 6804358.2/38

In: 0.000+/-0.000 χ^2/NDF:5683028.0/40

Out: 0.000+/-0.000 χ^2/NDF:6904023.6/45

All: 0.000+/-0.000 χ^2/NDF: 12587289.2/86



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

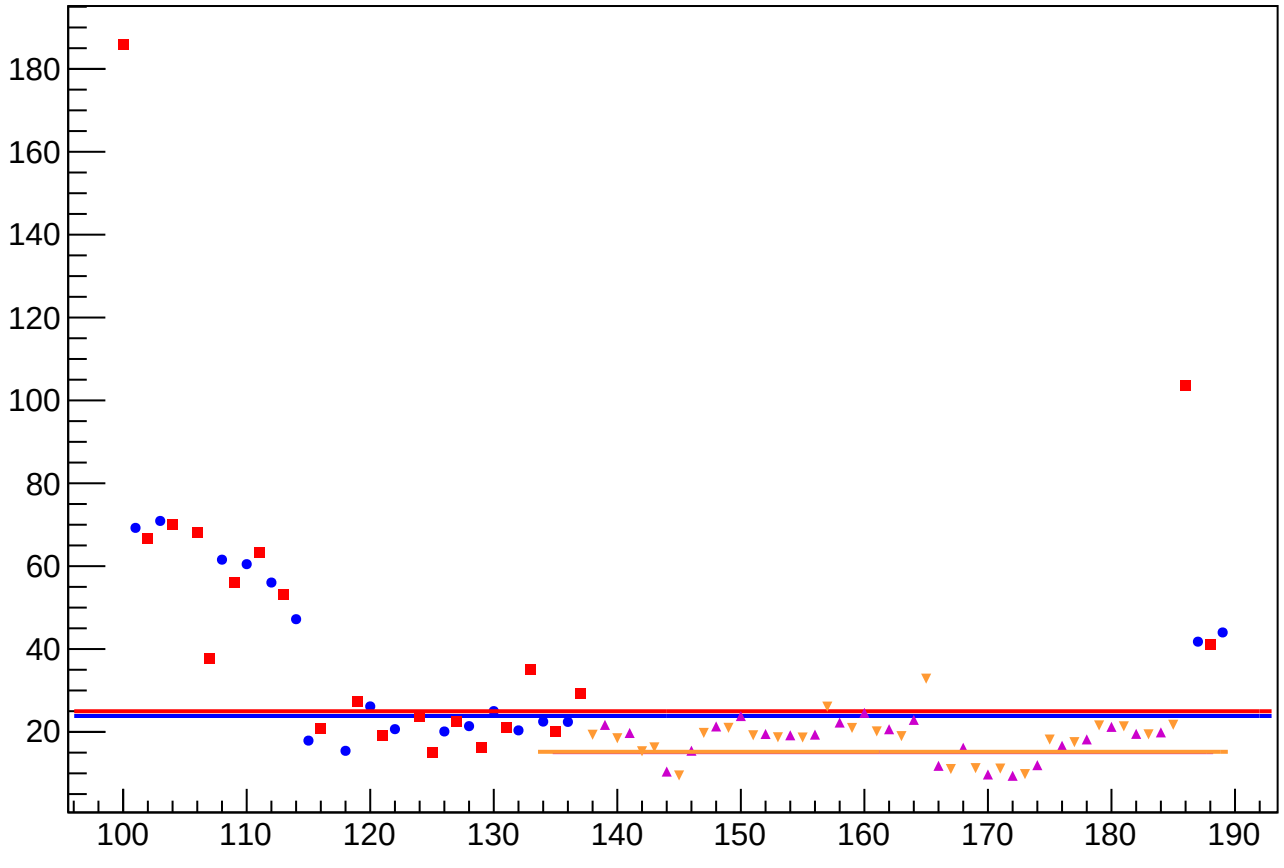
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.011+/-0.007 χ^2/NDF: 37.2/38

In: 0.004+/-0.004 χ^2/NDF:43.6/40

Out: -0.002+/-0.003 χ^2/NDF:45.1/45

All: 0.001+/-0.002 χ^2/NDF: 89.9/86



Right In: 23.844+/-0.007 χ^2/NDF: 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 24.987+/-0.007 χ^2/NDF: 3622894.7/20

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

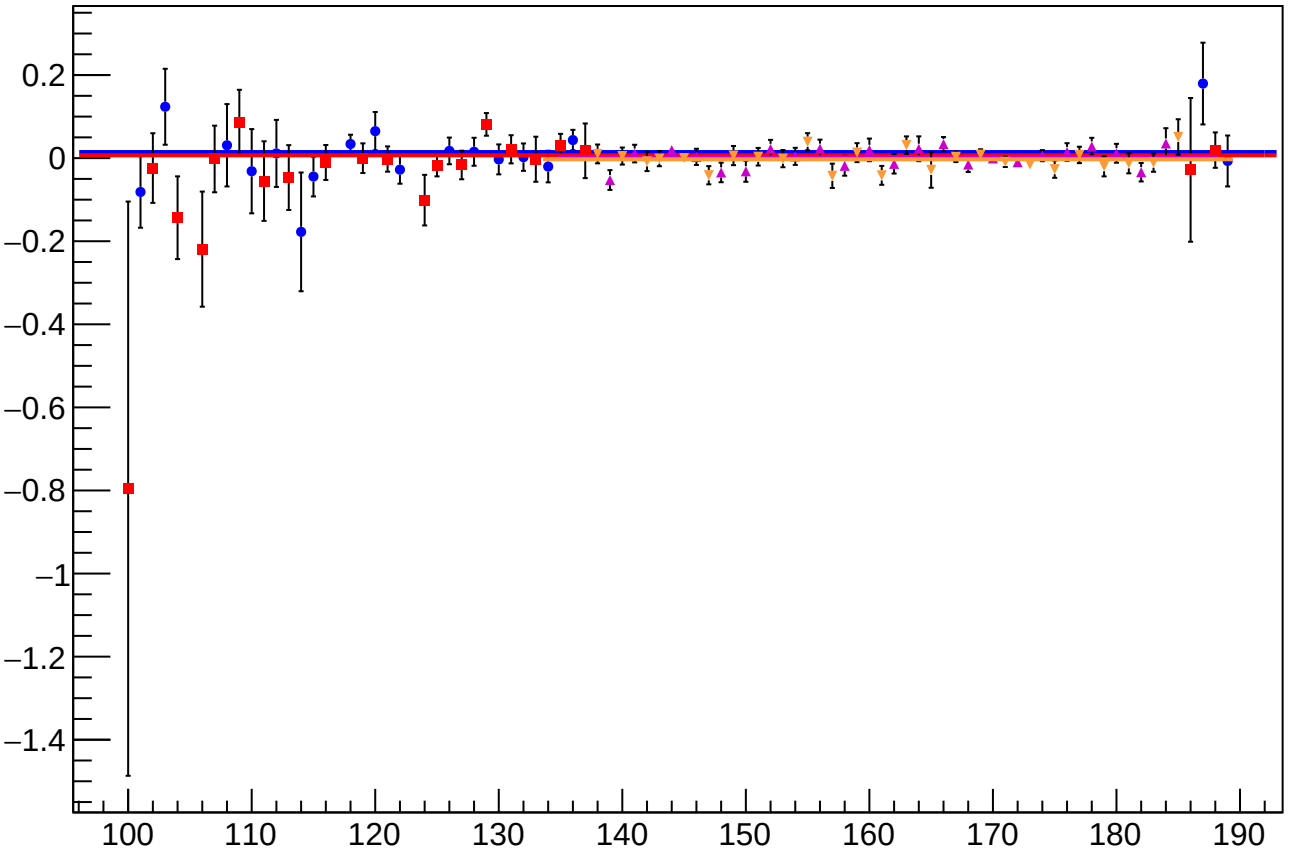
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 24.409+/-0.005 χ^2/NDF: 6335848.5/38

In: 16.296+/-0.003 χ^2/NDF:7509106.3/40

Out: 16.429+/-0.002 χ^2/NDF:8814857.4/45

All: 16.365+/-0.002 χ^2/NDF: 16325392.8/86



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

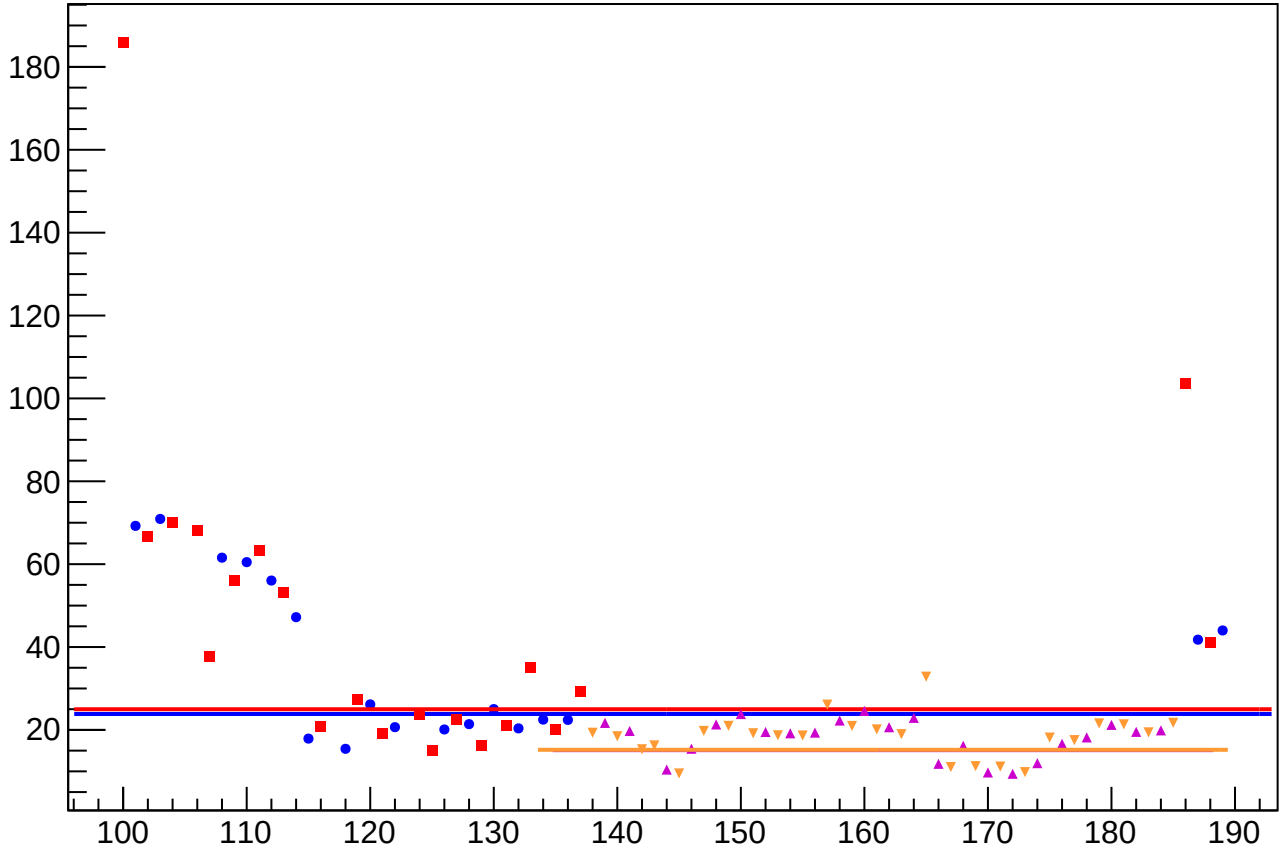
Right: 0.011+/-0.007 χ^2/NDF: 37.2/38

In: 0.004+/-0.004 χ^2/NDF:43.6/40

Out: -0.002+/-0.003 χ^2/NDF:45.1/45

All: 0.001+/-0.002 χ^2/NDF: 89.9/86

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.844+/-0.007 χ^2/NDF: 2699161.4/17

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 24.987+/-0.007 χ^2/NDF: 3622894.7/20

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

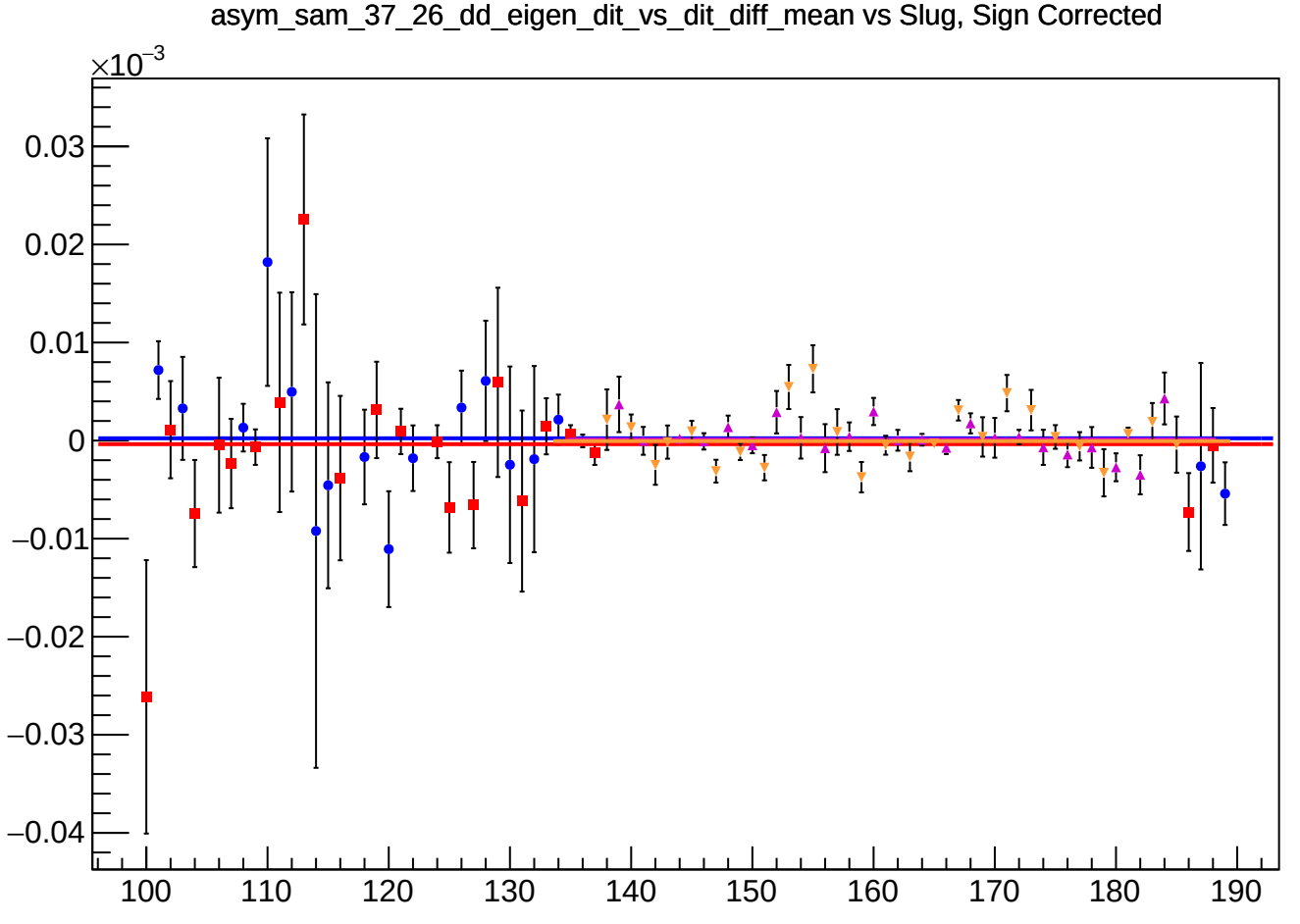
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 24.409+/-0.005 χ^2/NDF: 6335848.5/38

In: 16.296+/-0.003 χ^2/NDF:7509106.3/40

Out: 16.429+/-0.002 χ^2/NDF:8814857.4/45

All: 16.365+/-0.002 χ^2/NDF: 16325392.8/86



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/17

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/20

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

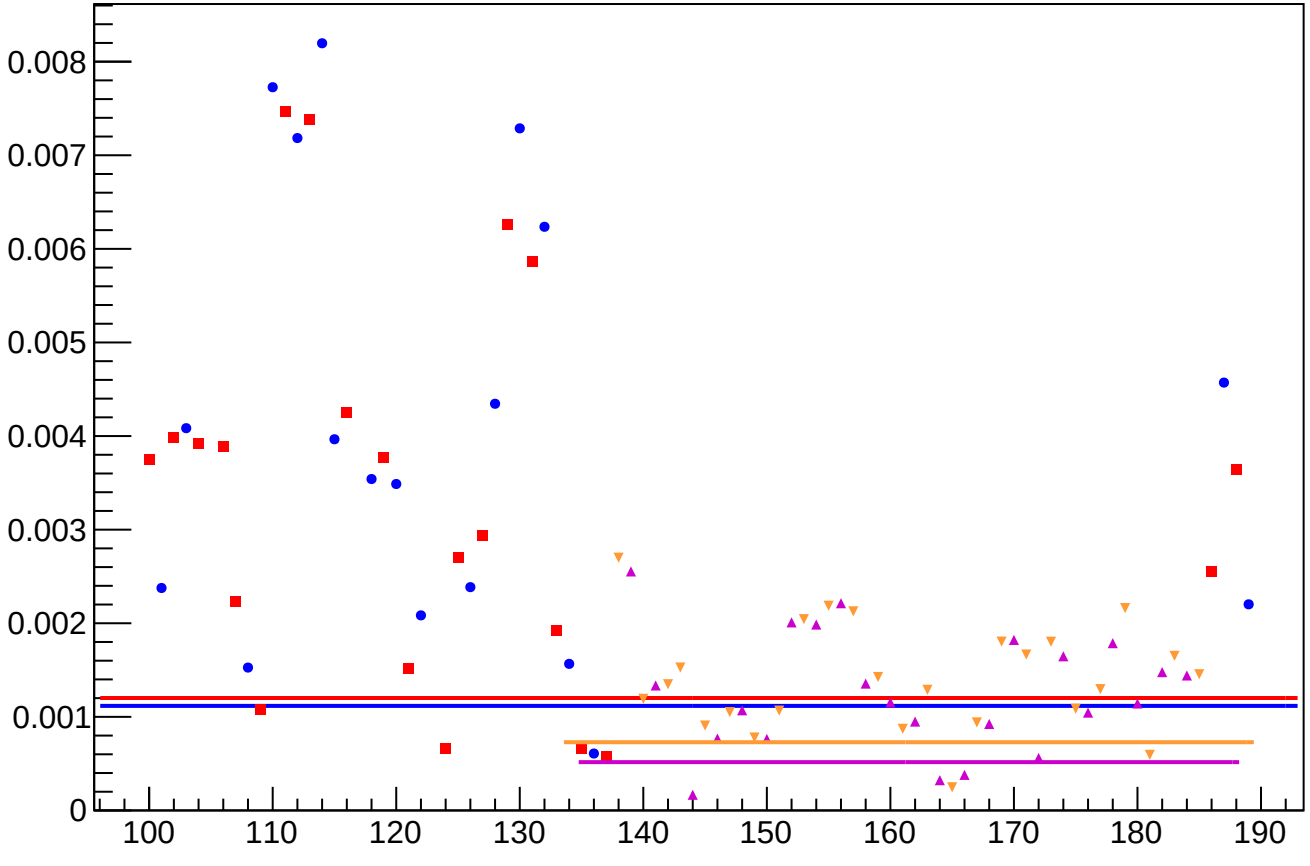
Right: -0.000+/-0.000 χ^2/NDF: 40.1/38

In: 0.000+/-0.000 χ^2/NDF:44.1/40

Out: -0.000+/-0.000 χ^2/NDF:84.1/45

All: 0.000+/-0.000 χ^2/NDF: 128.9/86

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7503829.2/17

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7890286.3/20

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

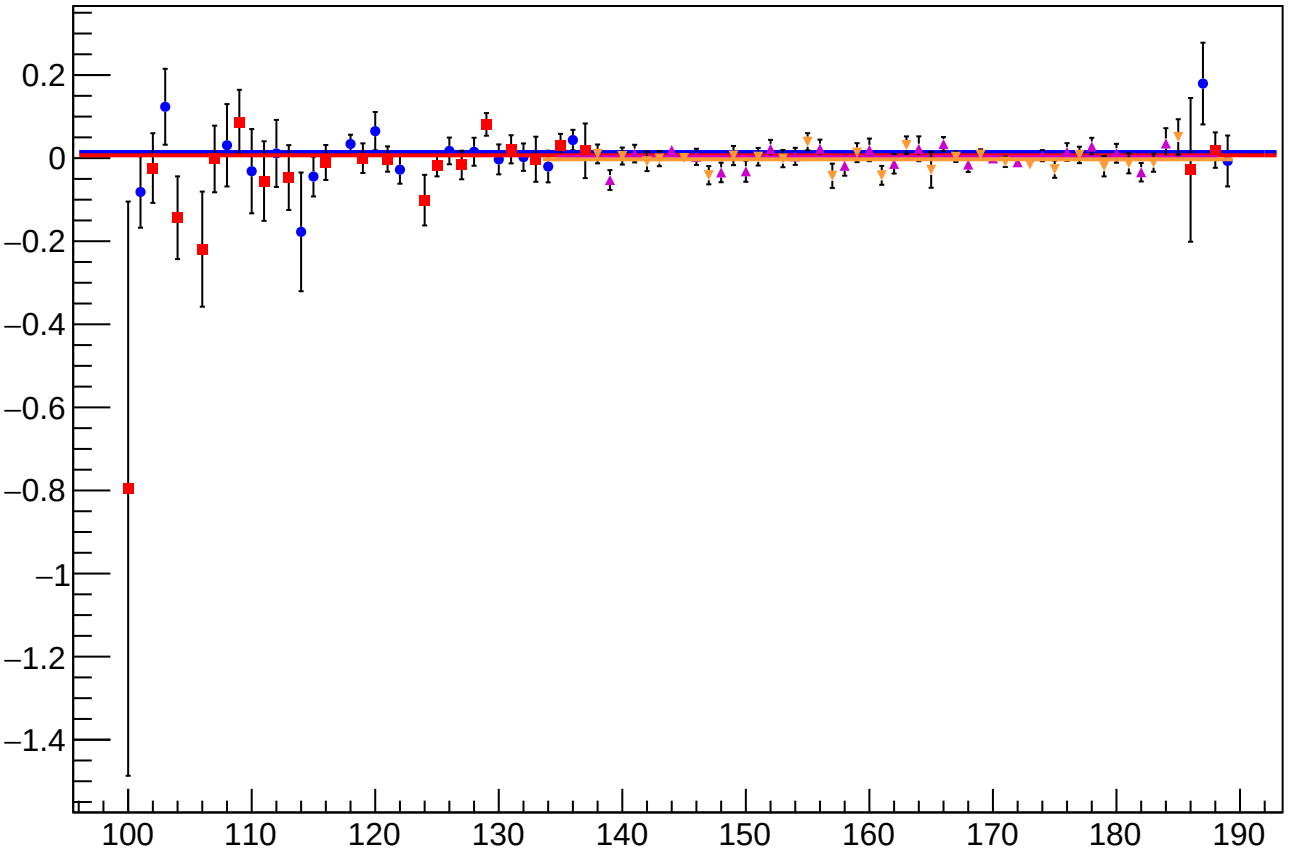
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 15417192.5/38

In: 0.001+/-0.000 χ^2/NDF:24685276.0/40

Out: 0.001+/-0.000 χ^2/NDF:22274688.7/45

All: 0.001+/-0.000 χ^2/NDF: 48375905.1/86



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

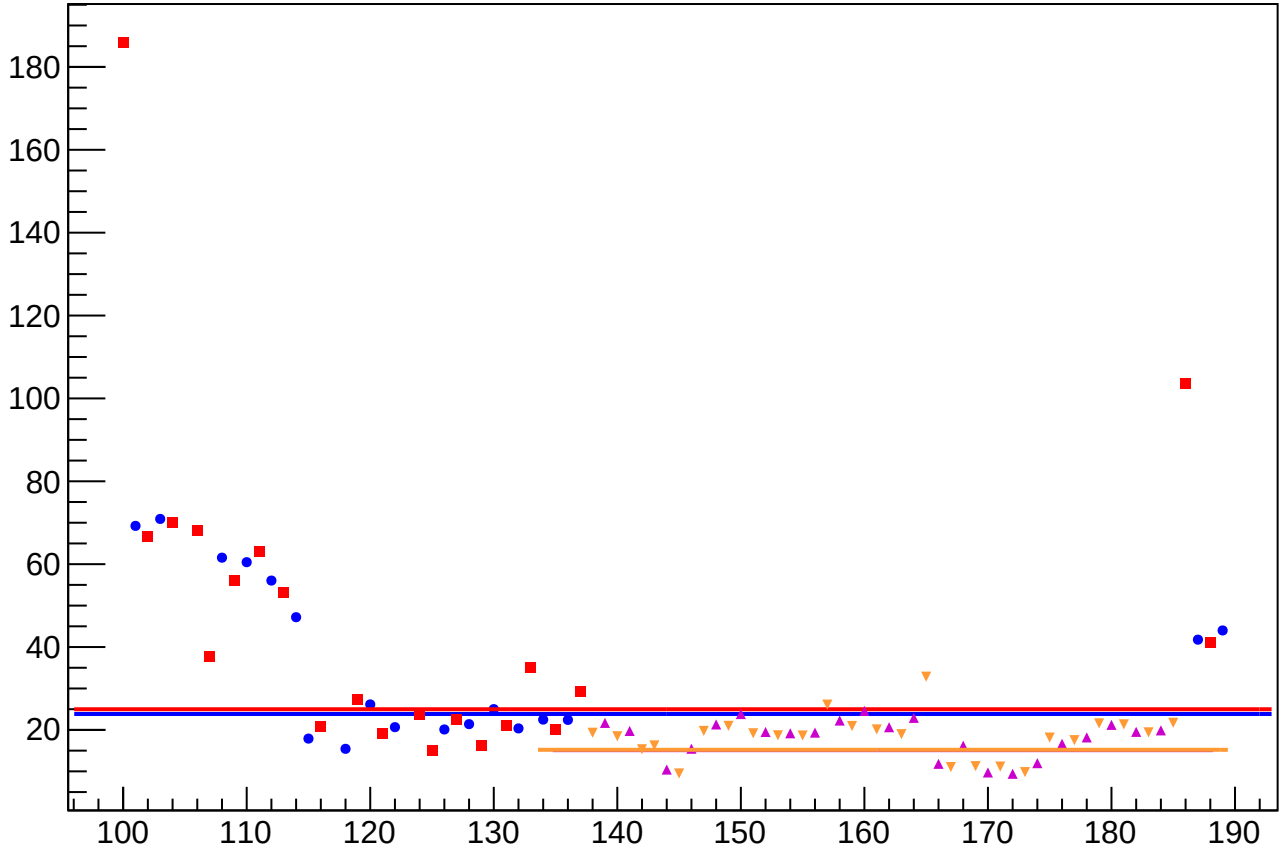
Right: 0.011+/-0.007 χ^2/NDF: 37.2/38

In: 0.004+/-0.004 χ^2/NDF:43.6/40

Out: -0.002+/-0.003 χ^2/NDF:45.1/45

All: 0.001+/-0.002 χ^2/NDF: 89.9/86

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.843+/-0.007 χ^2/NDF: 2699240.7/17

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 24.986+/-0.007 χ^2/NDF: 3622925.5/20

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

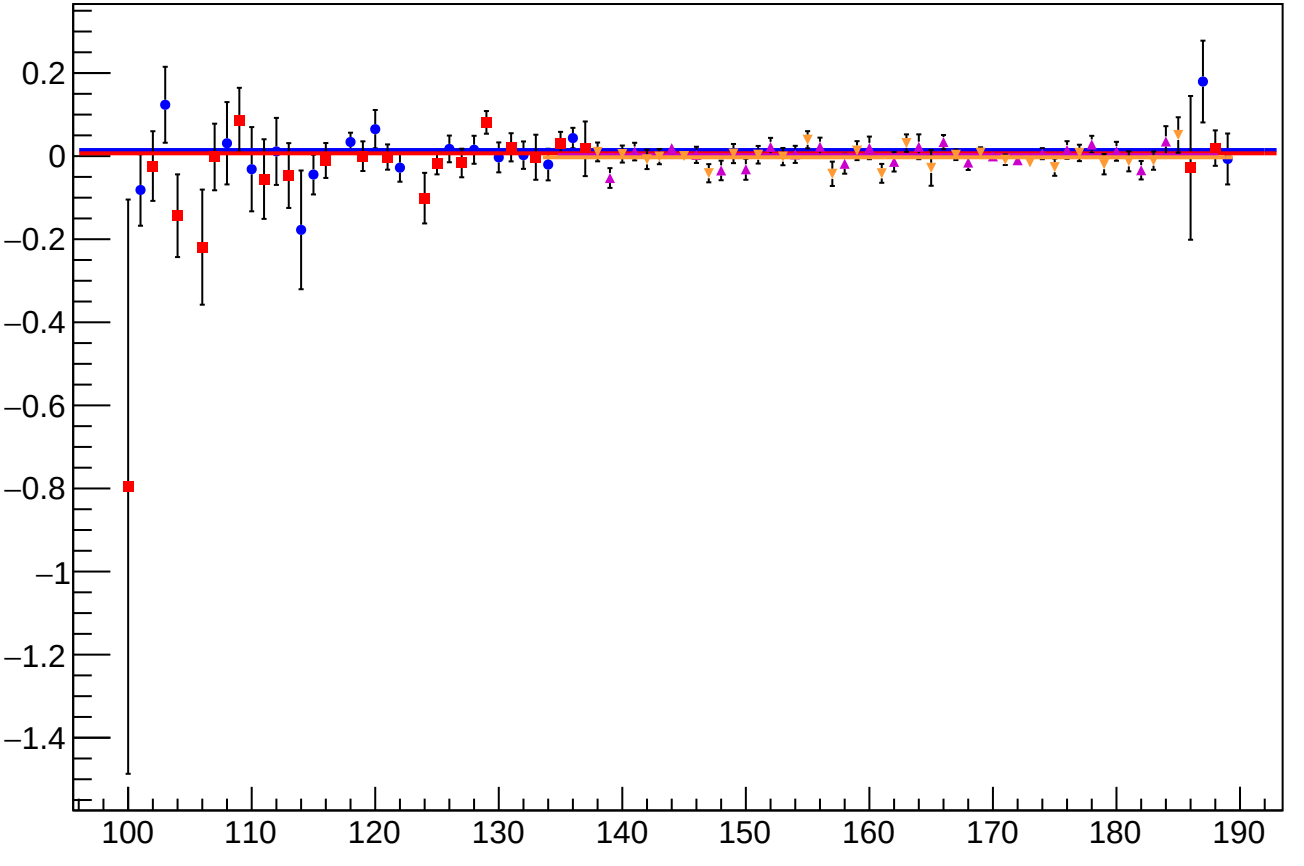
Right: 24.408+/-0.005 χ^2/NDF: 6335977.1/38

In: 16.297+/-0.003 χ^2/NDF:7508881.1/40

Out: 16.429+/-0.002 χ^2/NDF:8814821.0/45

All: 16.365+/-0.002 χ^2/NDF: 16325131.3/86

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.010 χ^2/NDF: 15.3/17

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

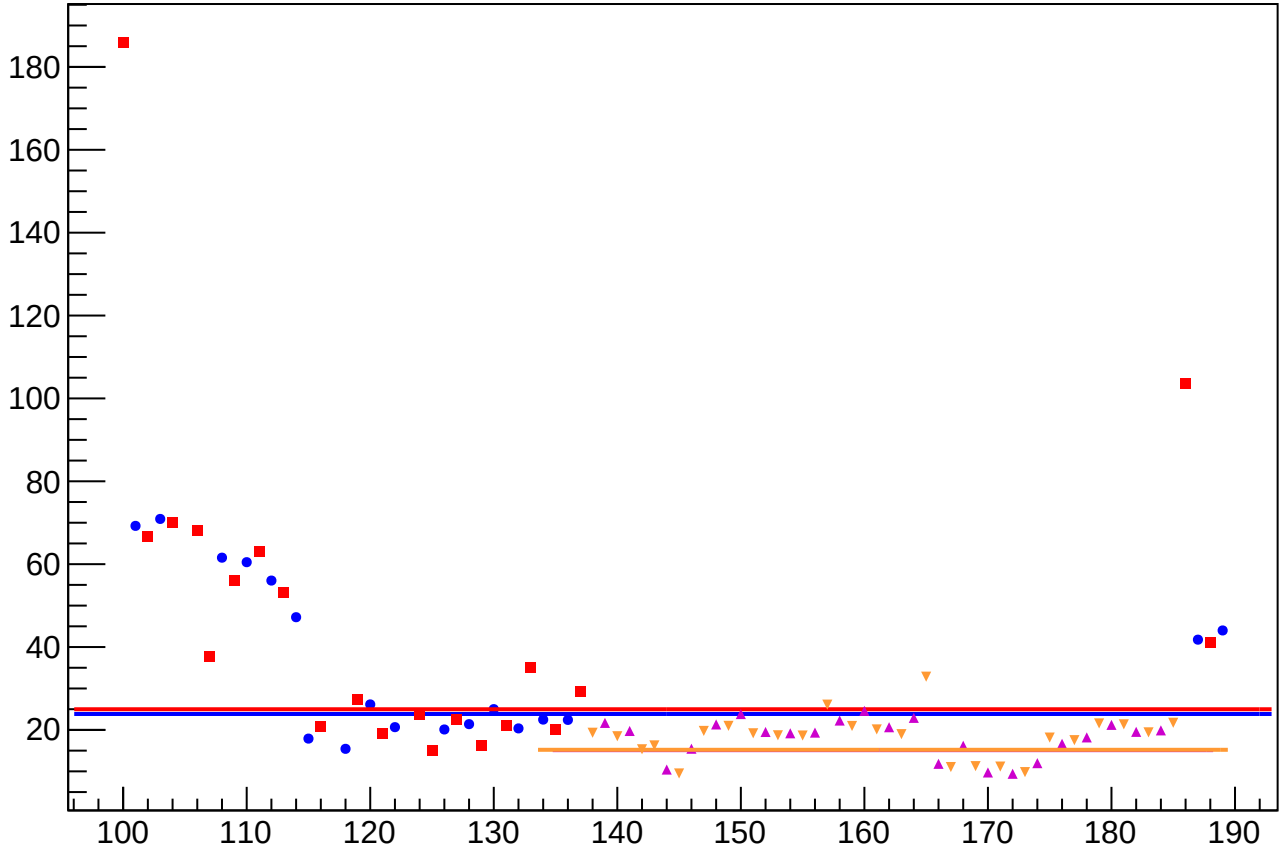
Right: 0.011+/-0.007 χ^2/NDF: 37.2/38

In: 0.004+/-0.004 χ^2/NDF:43.6/40

Out: -0.002+/-0.003 χ^2/NDF:45.1/45

All: 0.001+/-0.002 χ^2/NDF: 89.9/86

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.843+/-0.007 χ^2/NDF: 2699240.7/17

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 24.986+/-0.007 χ^2/NDF: 3622925.5/20

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

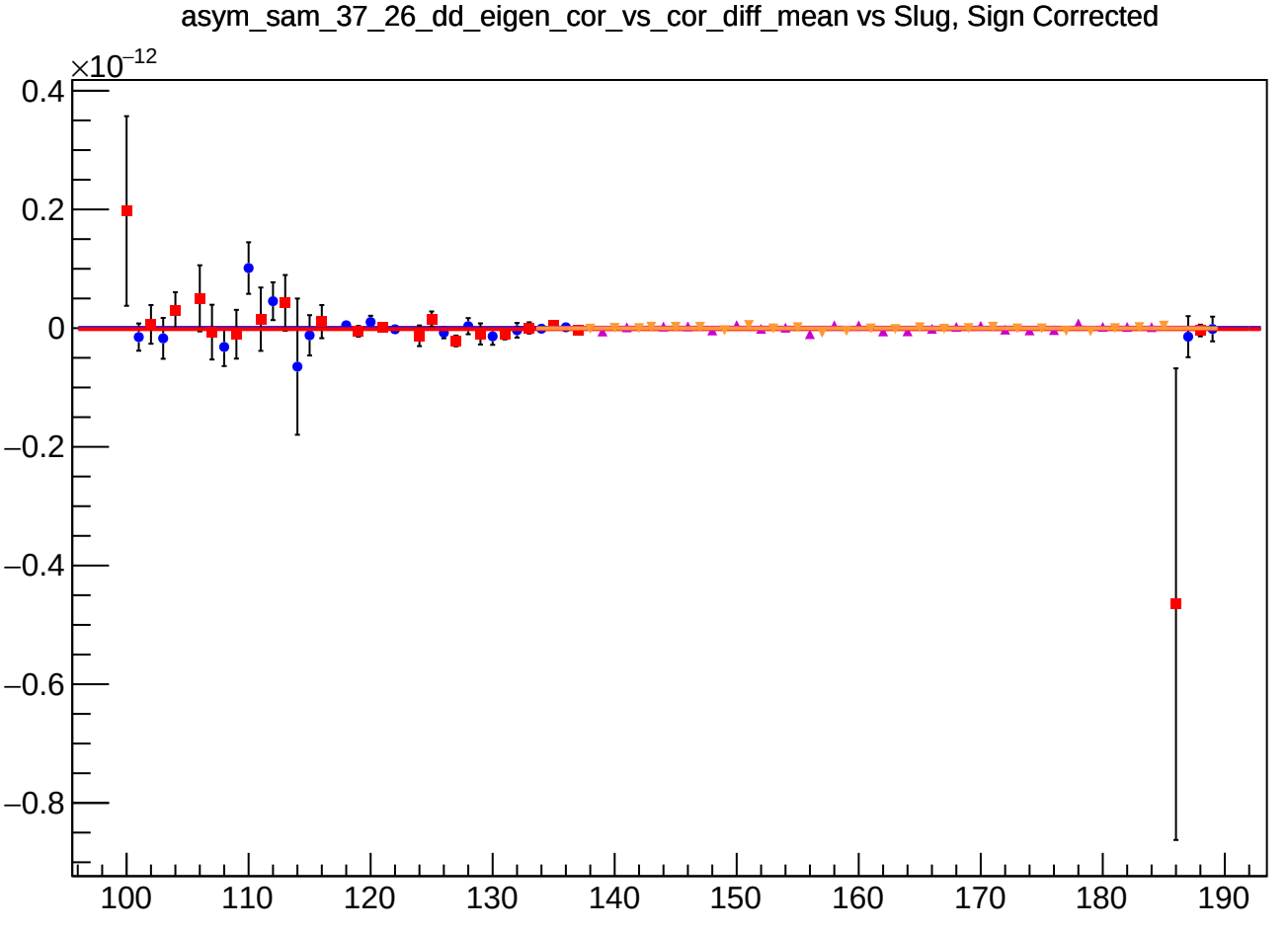
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 24.408+/-0.005 χ^2/NDF: 6335977.1/38

In: 16.297+/-0.003 χ^2/NDF:7508881.1/40

Out: 16.429+/-0.002 χ^2/NDF:8814821.0/45

All: 16.365+/-0.002 χ^2/NDF: 16325131.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/20

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

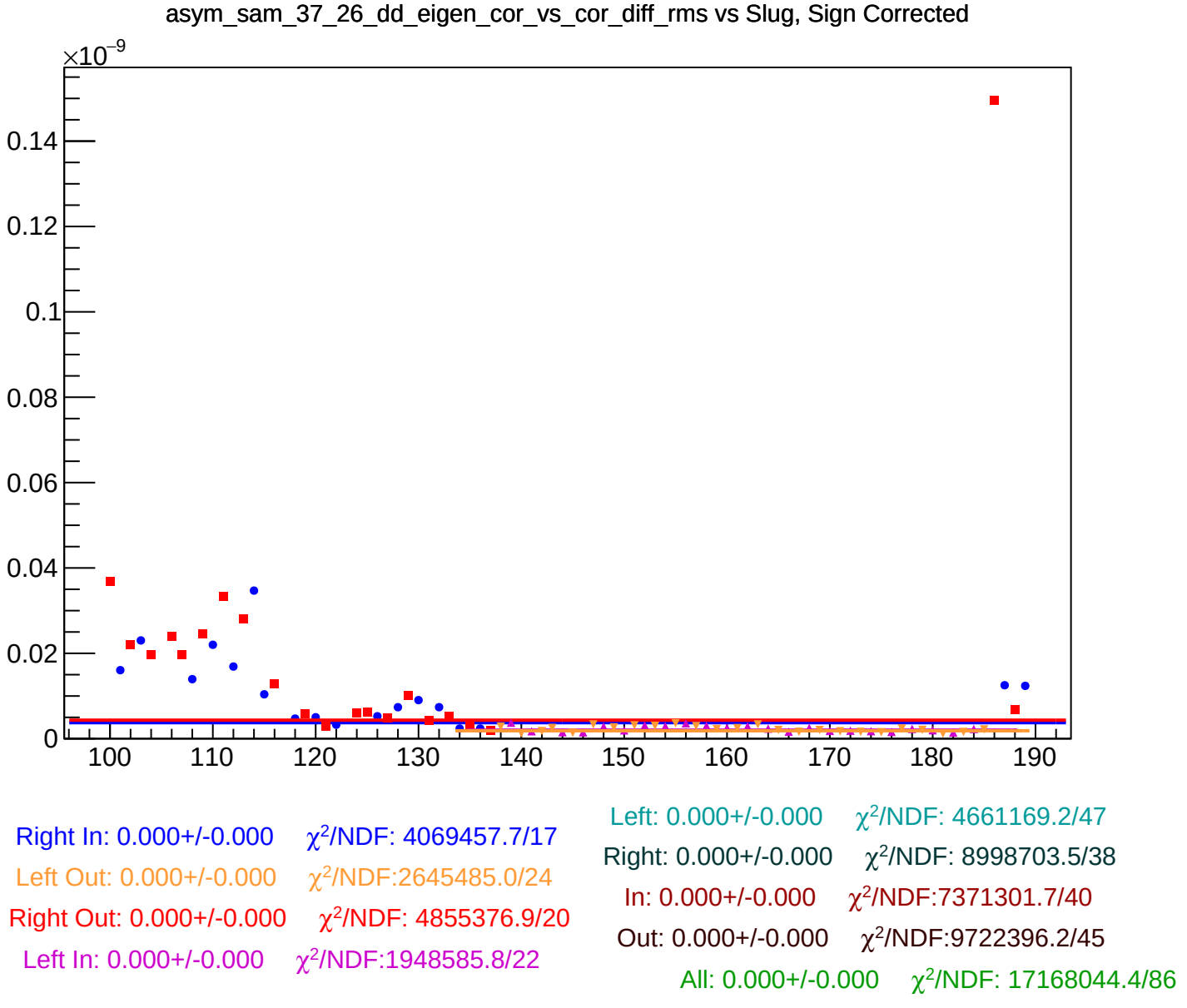
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

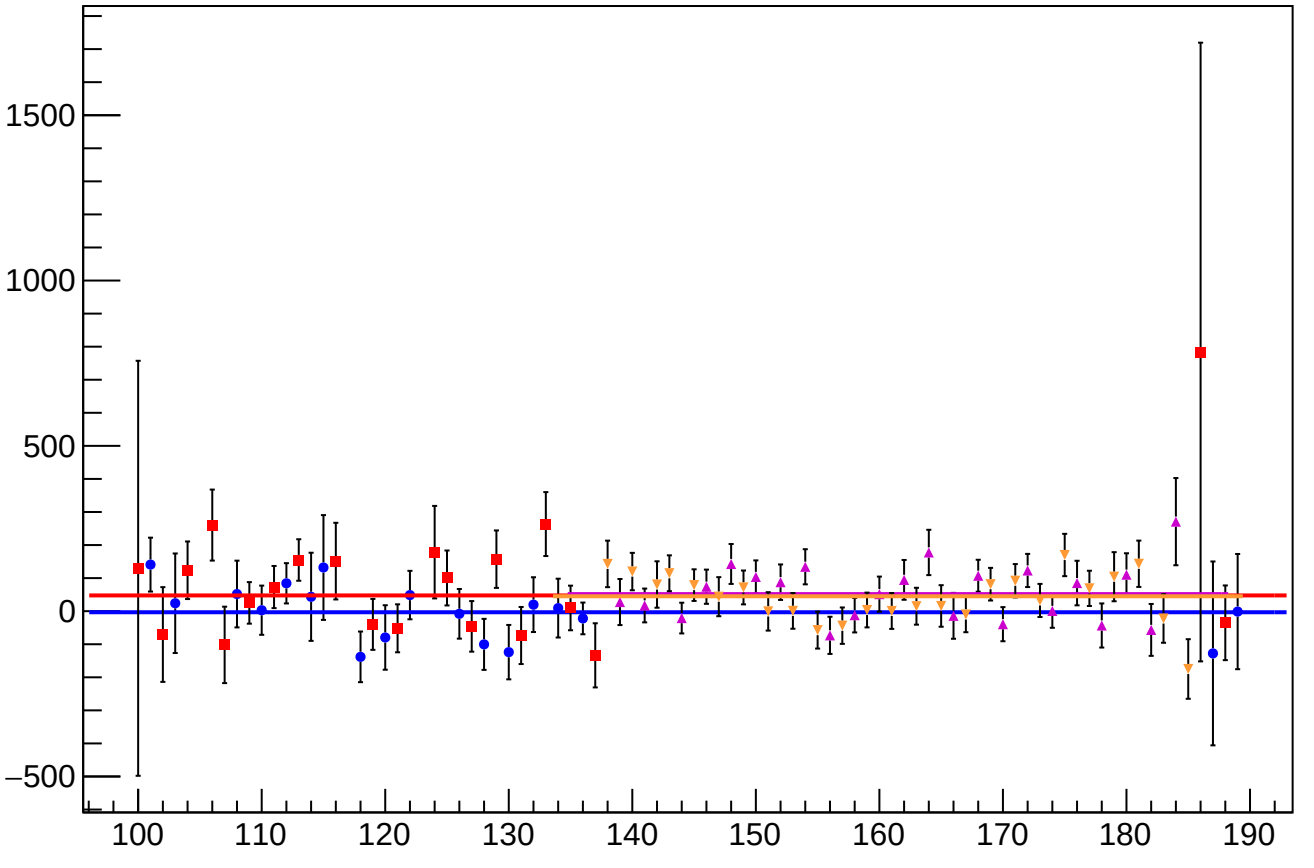
Right: -0.000+/-0.000 χ^2/NDF: 30.5/38

In: 0.000+/-0.000 χ^2/NDF:52.7/40

Out: -0.000+/-0.000 χ^2/NDF:38.8/45

All: 0.000+/-0.000 χ^2/NDF: 93.5/86


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 4069457.7/17
Left Out: 0.000+/-0.000 χ²/NDF:2645485.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4855376.9/20
Left In: 0.000+/-0.000 χ²/NDF:1948585.8/22
Left: 0.000+/-0.000 χ²/NDF: 4661169.2/47
Right: 0.000+/-0.000 χ²/NDF: 8998703.5/38
In: 0.000+/-0.000 χ²/NDF:7371301.7/40
Out: 0.000+/-0.000 χ²/NDF:9722396.2/45
All: 0.000+/-0.000 χ²/NDF: 17168044.4/86



Right In: -3.232+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.636+/-19.328 χ^2/NDF: 30.5/20

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

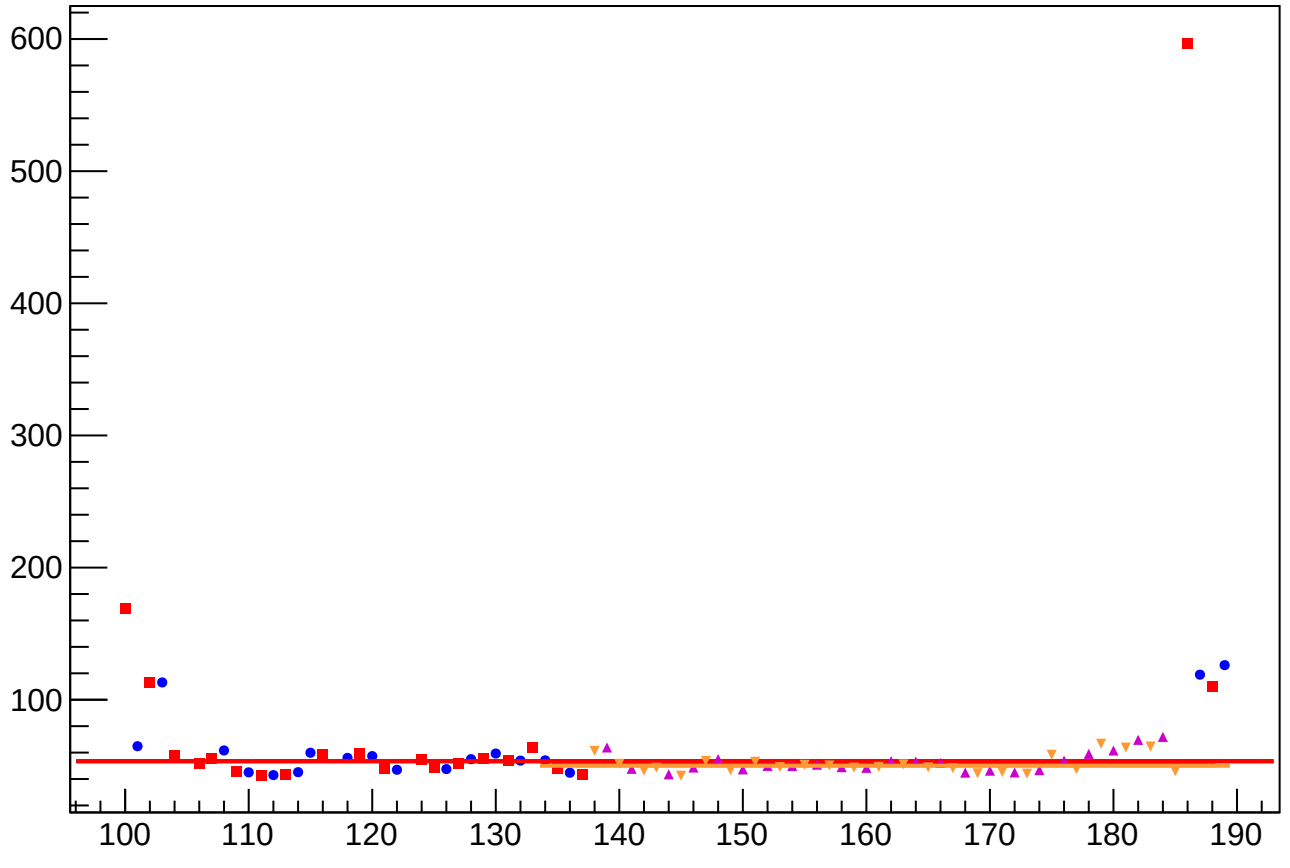
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 22.833+/-13.835 χ^2/NDF: 48.7/38

In: 37.025+/-10.220 χ^2/NDF:56.3/40

Out: 45.757+/-9.879 χ^2/NDF:61.9/45

All: 41.539+/-7.103 χ^2/NDF: 118.5/86



Right In: 53.425+/-0.014 χ^2/NDF: 1031027.9/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 53.498+/-0.014 χ^2/NDF: 1835763.5/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

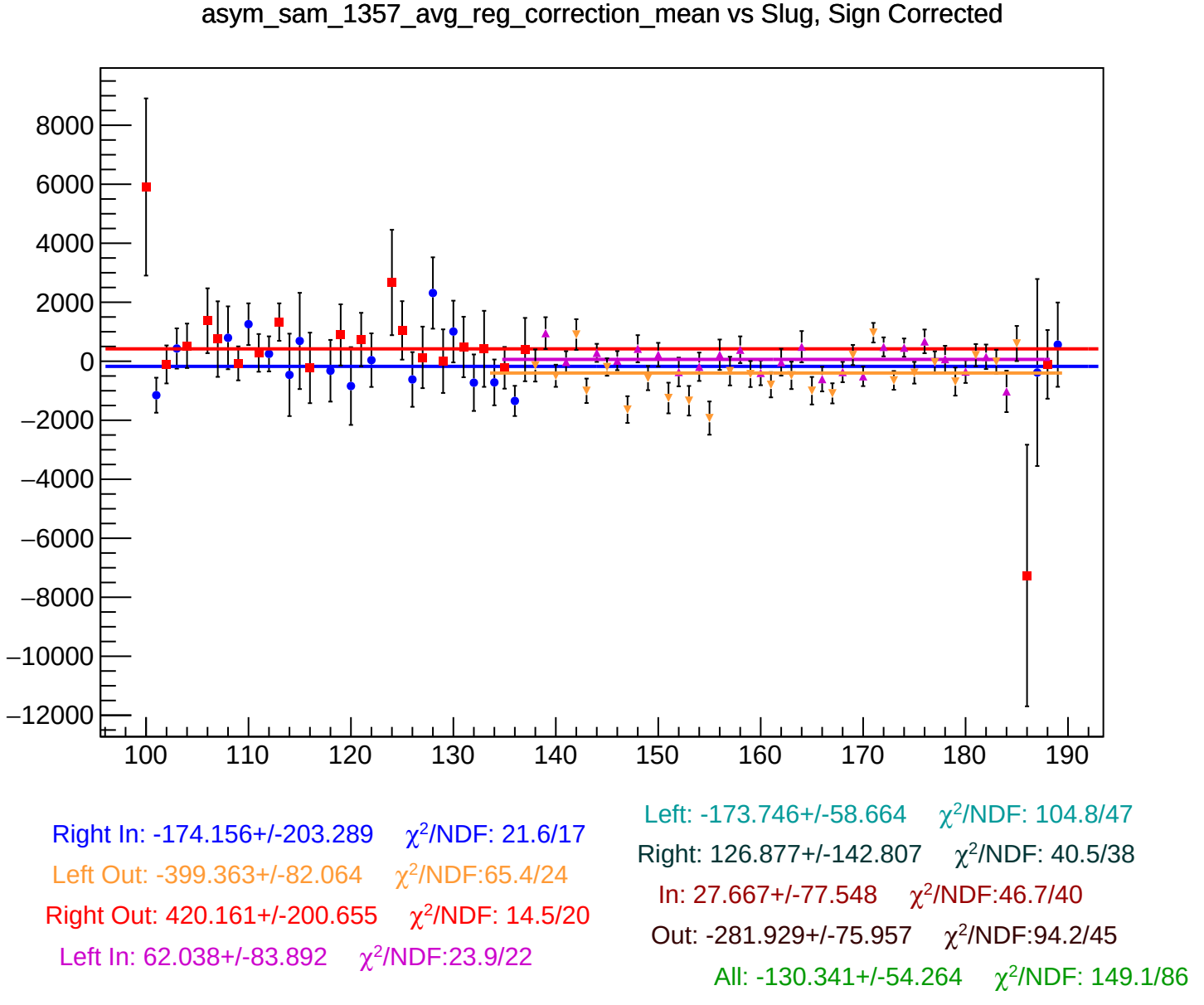
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

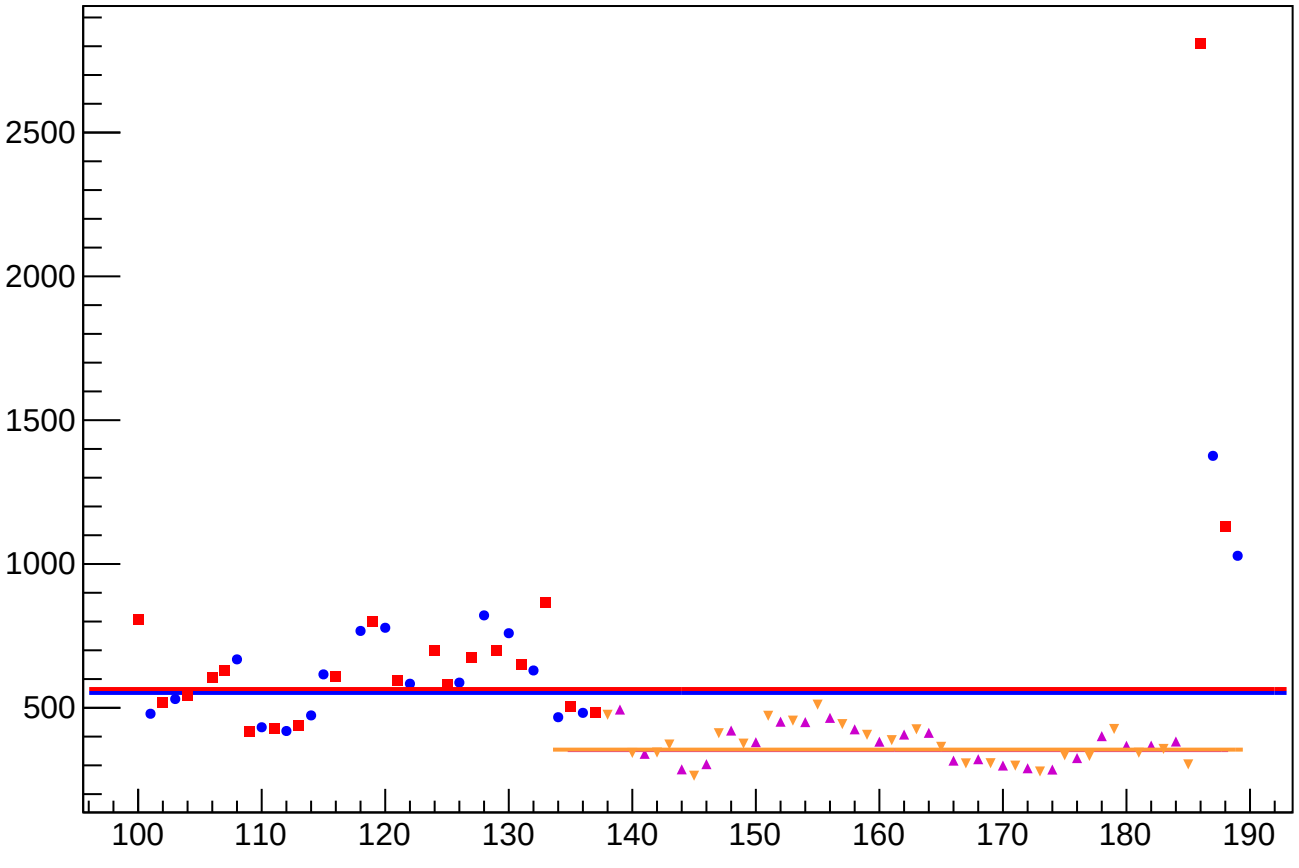
Right: 53.462+/-0.010 χ^2/NDF: 2866805.1/38

In: 51.287+/-0.007 χ^2/NDF:1566167.5/40

Out: 50.929+/-0.007 χ^2/NDF:2392665.2/45

All: 51.102+/-0.005 χ^2/NDF: 3960099.0/86


asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -174.156+/-203.289 χ²/NDF: 21.6/17
Left Out: -399.363+/-82.064 χ²/NDF:65.4/24
Right Out: 420.161+/-200.655 χ²/NDF: 14.5/20
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.746+/-58.664 χ²/NDF: 104.8/47
Right: 126.877+/-142.807 χ²/NDF: 40.5/38
In: 27.667+/-77.548 χ²/NDF:46.7/40
Out: -281.929+/-75.957 χ²/NDF:94.2/45
All: -130.341+/-54.264 χ²/NDF: 149.1/86



Right In: 551.835+/-0.144 χ^2/NDF: 980322.6/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 565.368+/-0.142 χ^2/NDF: 1646596.7/20

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

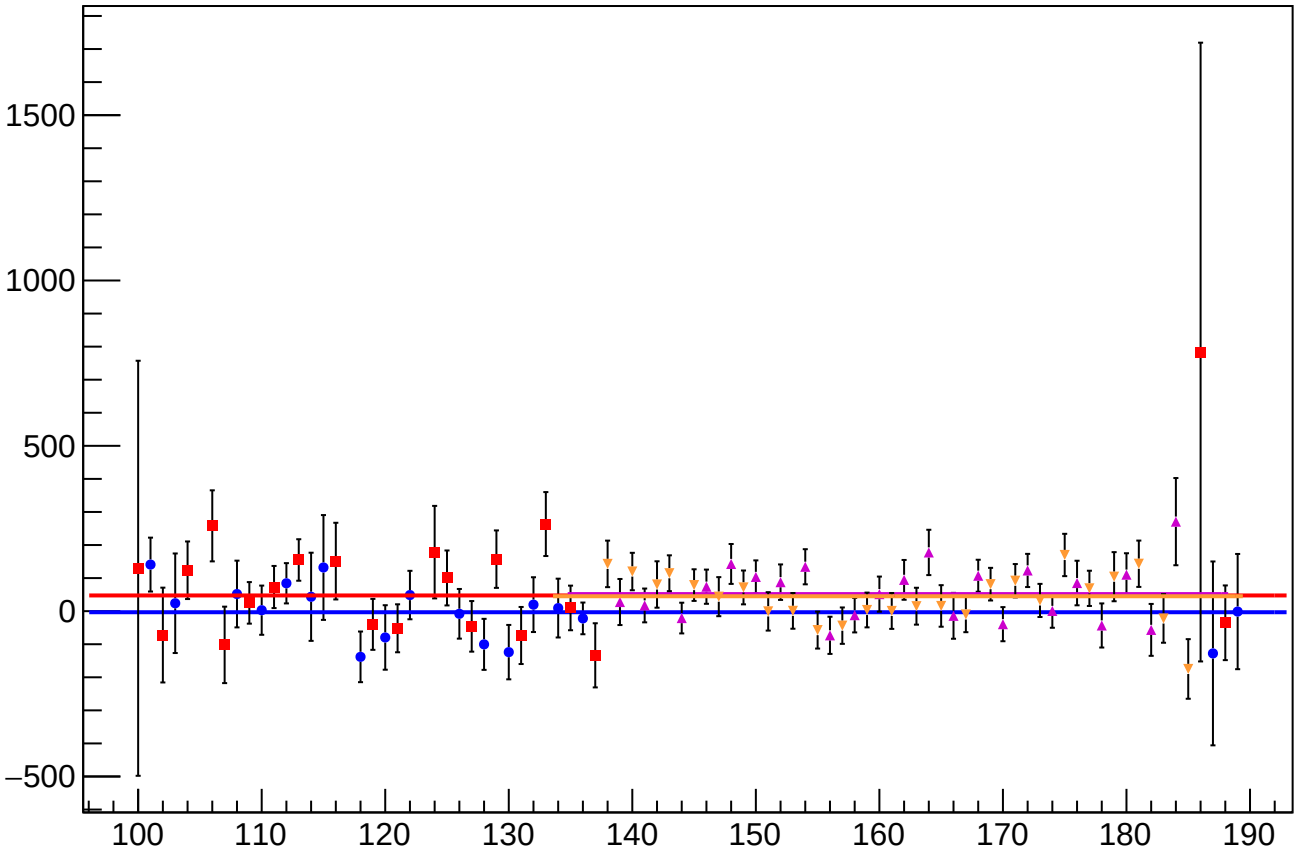
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 558.690+/-0.101 χ^2/NDF: 2631409.0/38

In: 382.028+/-0.055 χ^2/NDF:3617539.4/40

Out: 384.862+/-0.054 χ^2/NDF:4681283.0/45

All: 383.474+/-0.038 χ^2/NDF: 8300185.4/86



Right In: -3.236+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.522+/-19.328 χ^2/NDF: 30.4/20

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

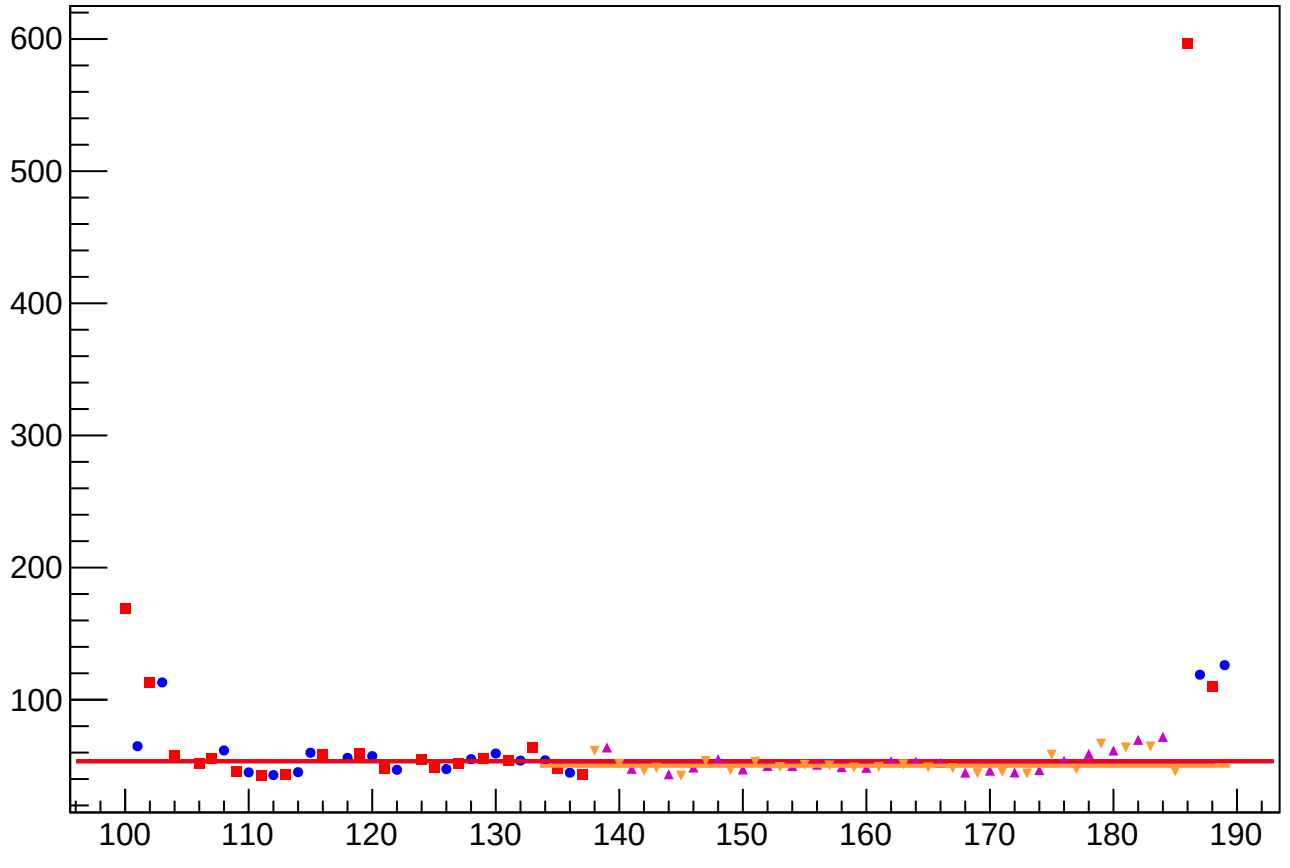
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 22.773+/-13.835 χ^2/NDF: 48.6/38

In: 37.023+/-10.220 χ^2/NDF:56.3/40

Out: 45.730+/-9.879 χ^2/NDF:61.8/45

All: 41.524+/-7.103 χ^2/NDF: 118.4/86



Right In: 53.425+/-0.014 χ^2/NDF: 1031030.2/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 53.488+/-0.014 χ^2/NDF: 1836190.8/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

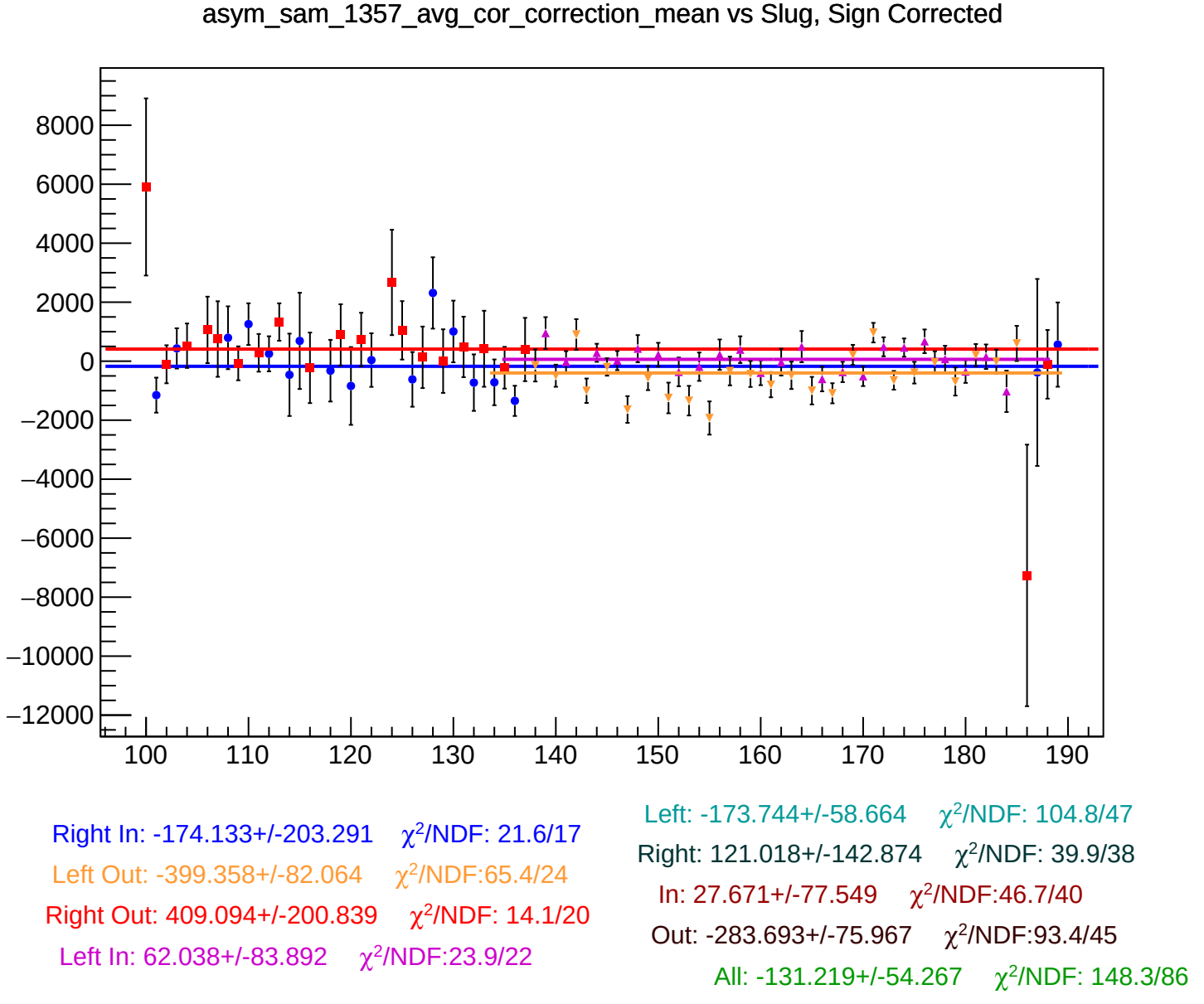
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 53.457+/-0.010 χ^2/NDF: 2867231.2/38

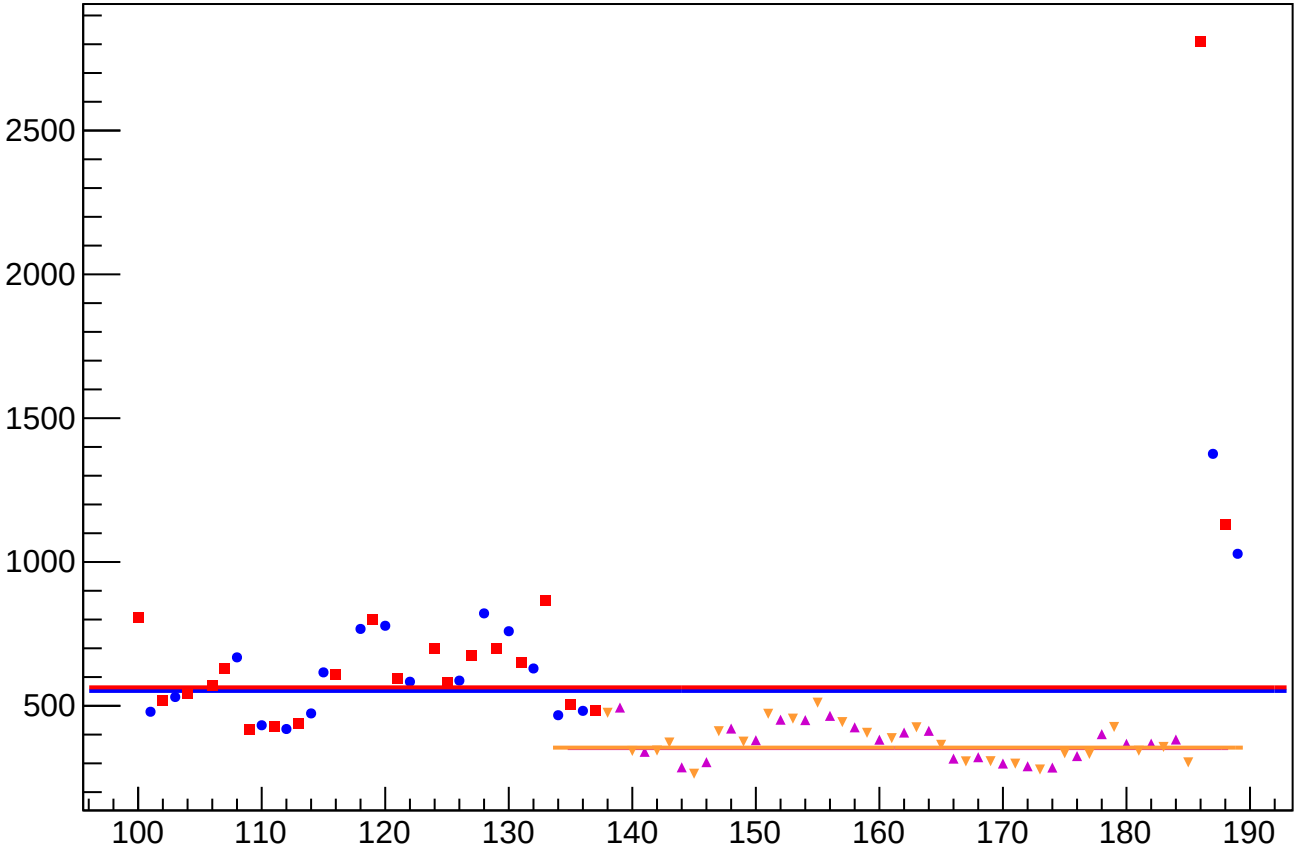
In: 51.287+/-0.007 χ^2/NDF:1566169.8/40

Out: 50.927+/-0.007 χ^2/NDF:2392818.9/45

All: 51.101+/-0.005 χ^2/NDF: 3960273.6/86


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -174.133+/-203.291 χ²/NDF: 21.6/17
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 409.094+/-200.839 χ²/NDF: 14.1/20
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 121.018+/-142.874 χ²/NDF: 39.9/38
In: 27.671+/-77.549 χ²/NDF:46.7/40
Out: -283.693+/-75.967 χ²/NDF:93.4/45
All: -131.219+/-54.267 χ²/NDF: 148.3/86

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 551.840+/-0.144 χ^2/NDF: 980312.4/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 564.231+/-0.142 χ^2/NDF: 1643587.0/20

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

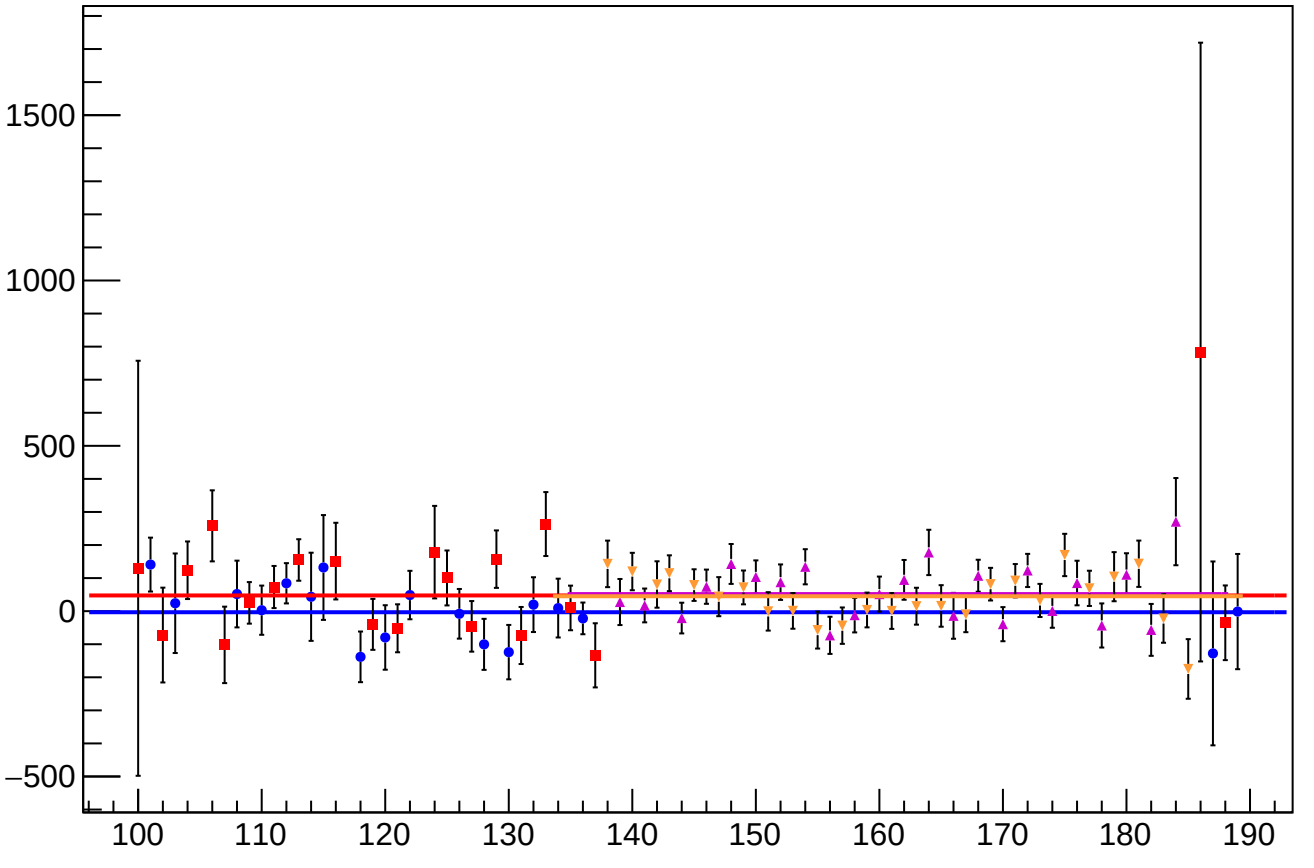
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 558.111+/-0.101 χ^2/NDF: 2627659.5/38

In: 382.028+/-0.055 χ^2/NDF:3617591.3/40

Out: 384.652+/-0.054 χ^2/NDF:4655010.2/45

All: 383.367+/-0.038 χ^2/NDF: 8273769.3/86



Right In: -3.236+/-19.814 χ^2/NDF: 14.8/17

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.522+/-19.328 χ^2/NDF: 30.4/20

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

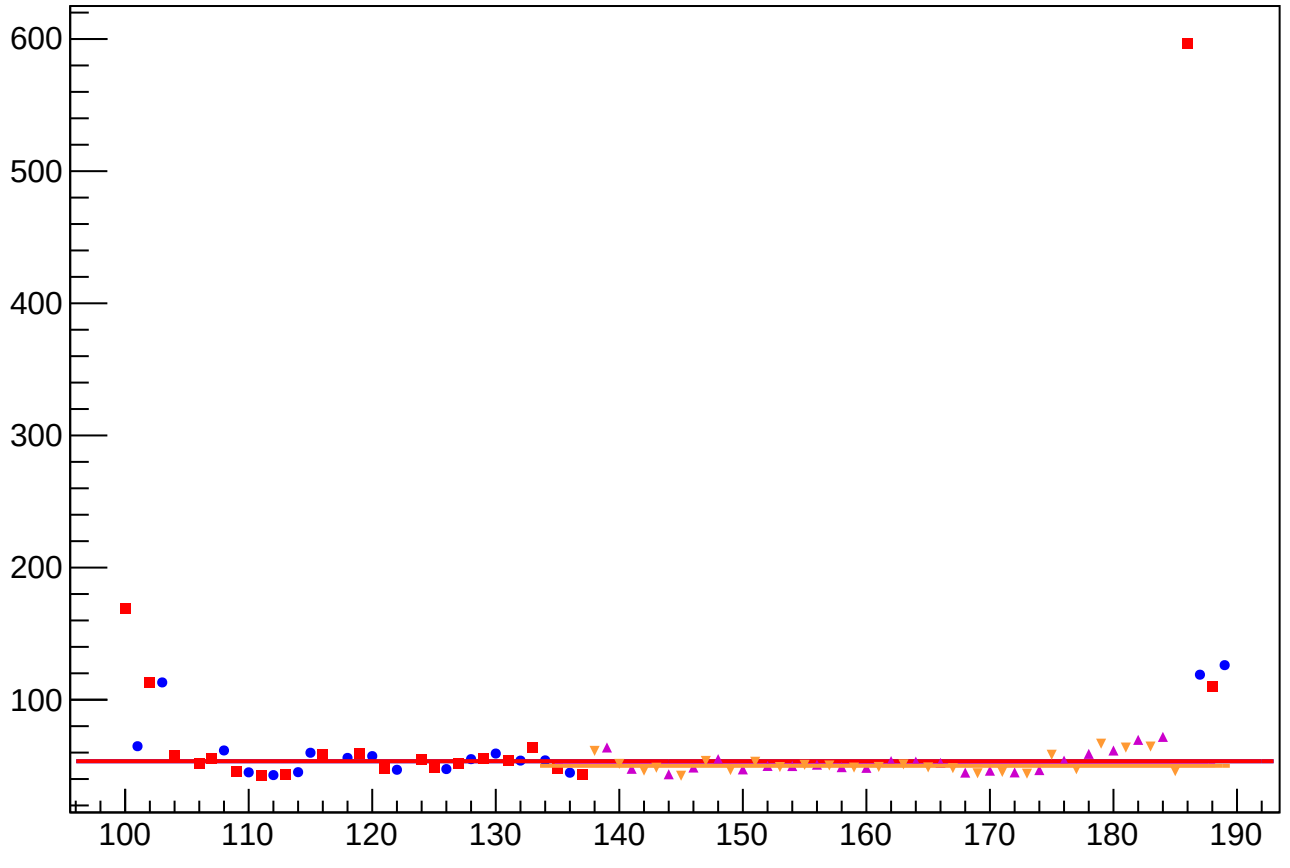
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 22.773+/-13.835 χ^2/NDF: 48.6/38

In: 37.023+/-10.220 χ^2/NDF:56.3/40

Out: 45.730+/-9.879 χ^2/NDF:61.8/45

All: 41.524+/-7.103 χ^2/NDF: 118.4/86



Right In: 53.425+/-0.014 χ^2/NDF: 1031030.2/17

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 53.488+/-0.014 χ^2/NDF: 1836190.8/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

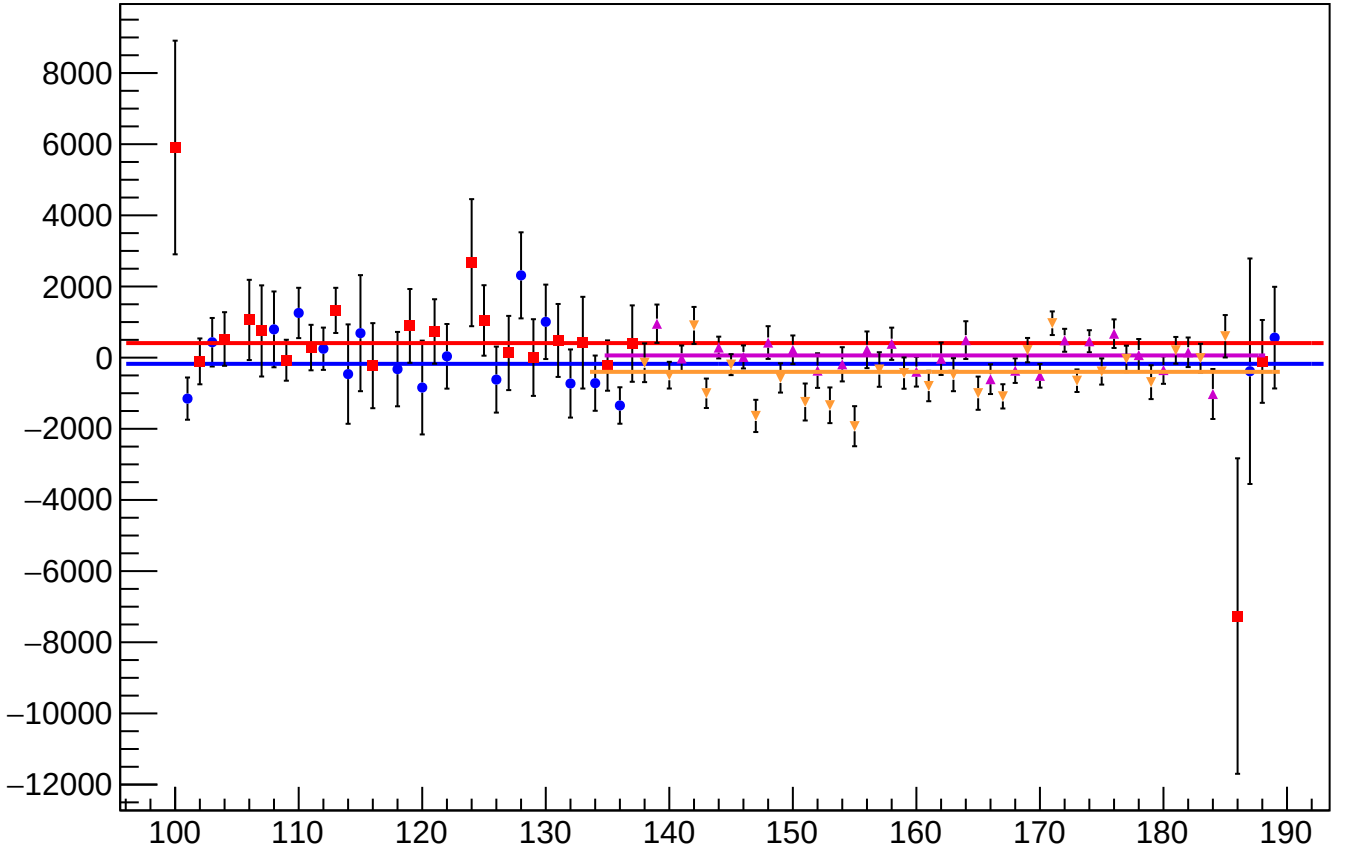
Right: 53.457+/-0.010 χ^2/NDF: 2867231.2/38

In: 51.287+/-0.007 χ^2/NDF:1566169.8/40

Out: 50.927+/-0.007 χ^2/NDF:2392818.9/45

All: 51.101+/-0.005 χ^2/NDF: 3960273.6/86

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -174.133+/-203.291 χ^2/NDF: 21.6/17

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 409.094+/-200.839 χ^2/NDF: 14.1/20

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

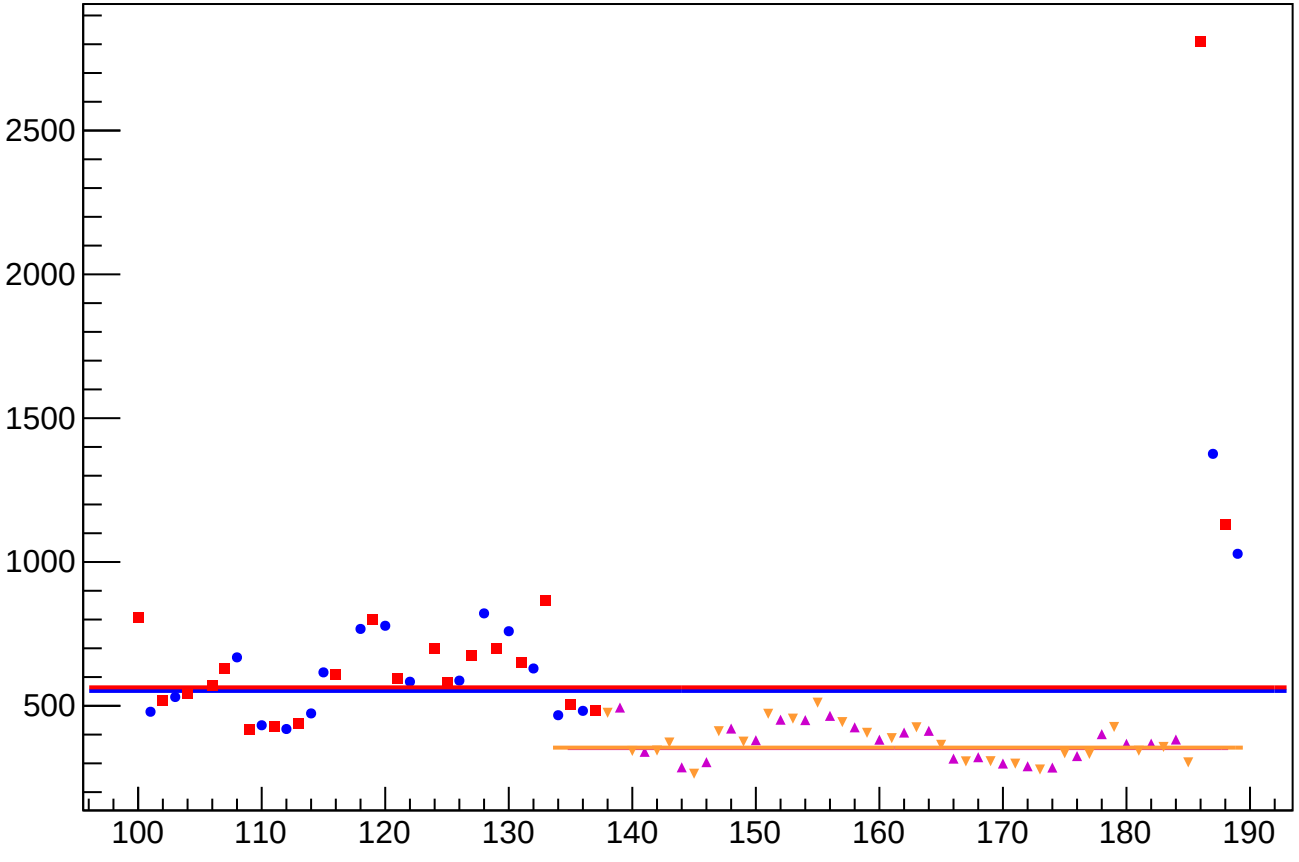
Right: 121.018+/-142.874 χ^2/NDF: 39.9/38

In: 27.671+/-77.549 χ^2/NDF:46.7/40

Out: -283.693+/-75.967 χ^2/NDF:93.4/45

All: -131.219+/-54.267 χ^2/NDF: 148.3/86

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 551.840+/-0.144 χ^2/NDF: 980312.4/17

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 564.231+/-0.142 χ^2/NDF: 1643587.0/20

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

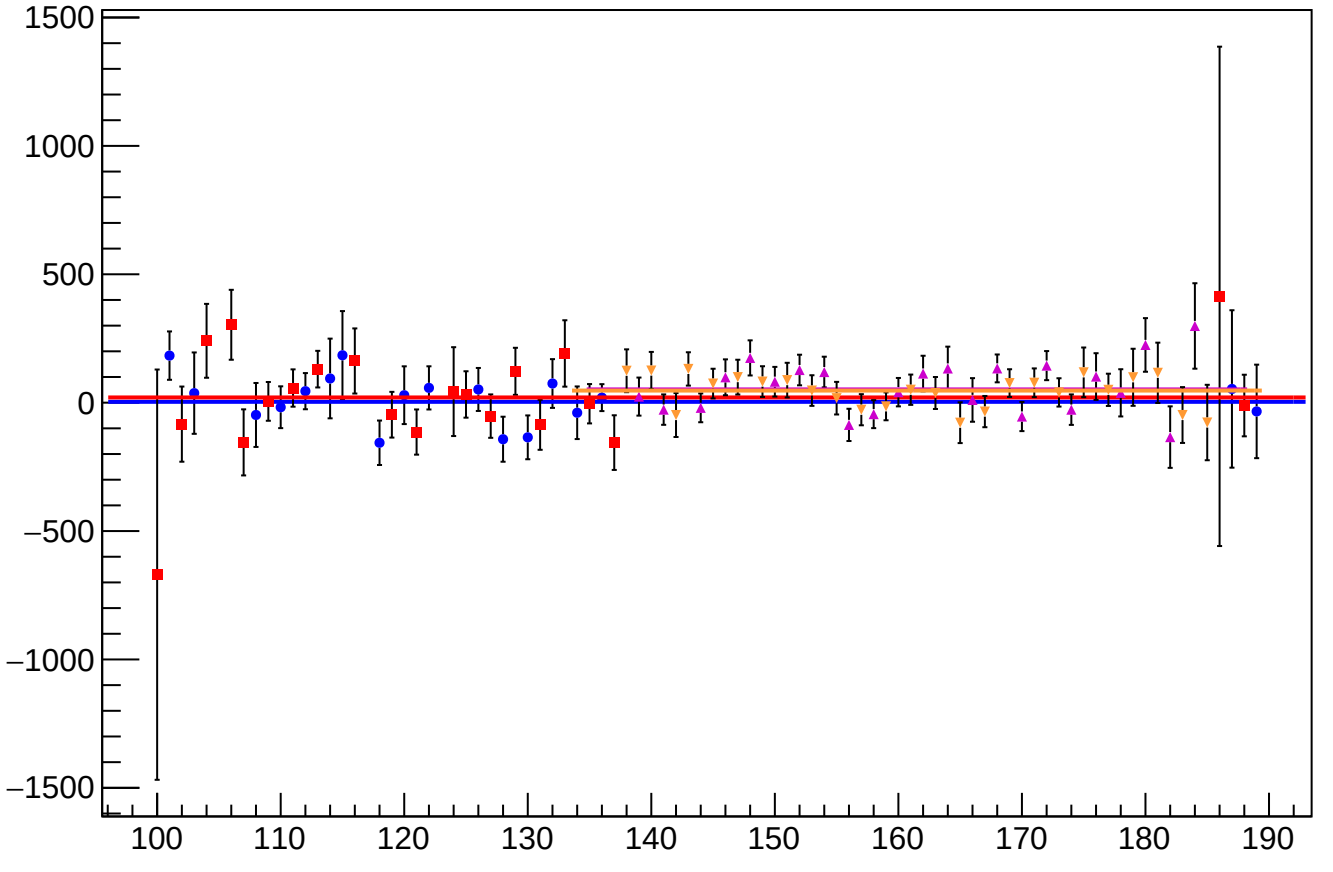
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 558.111+/-0.101 χ^2/NDF: 2627659.5/38

In: 382.028+/-0.055 χ^2/NDF:3617591.3/40

Out: 384.652+/-0.054 χ^2/NDF:4655010.2/45

All: 383.367+/-0.038 χ^2/NDF: 8273769.3/86



Right In: 3.298+/-22.252 χ^2/NDF: 16.2/17

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 20.336+/-22.363 χ^2/NDF: 24.7/20

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

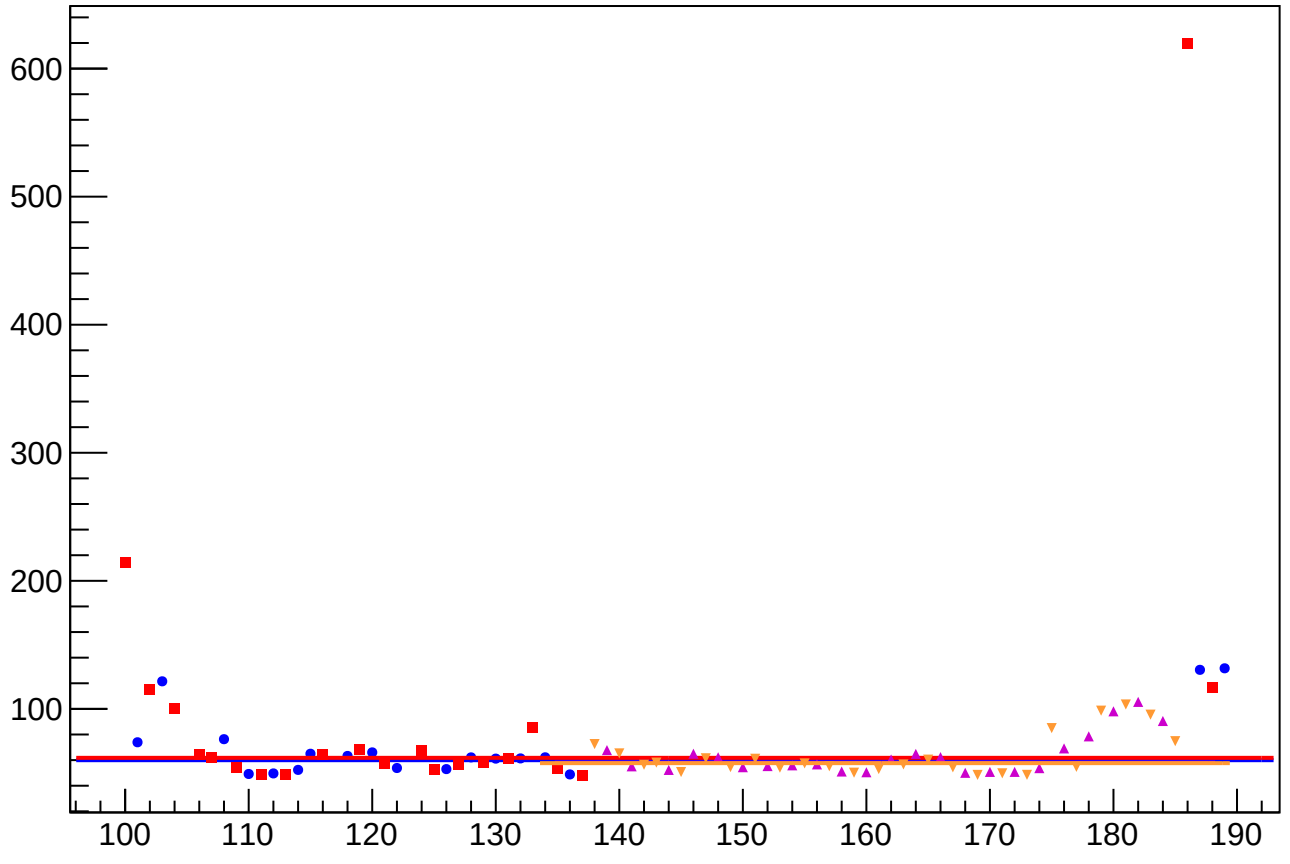
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 11.774+/-15.774 χ^2/NDF: 41.2/38

In: 38.032+/-11.809 χ^2/NDF:57.8/40

Out: 39.980+/-11.564 χ^2/NDF:42.7/45

All: 39.027+/-8.263 χ^2/NDF: 100.5/86



Right In: 59.939+/-0.016 χ^2/NDF: 1008135.7/17

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 61.777+/-0.016 χ^2/NDF: 1886227.2/20

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

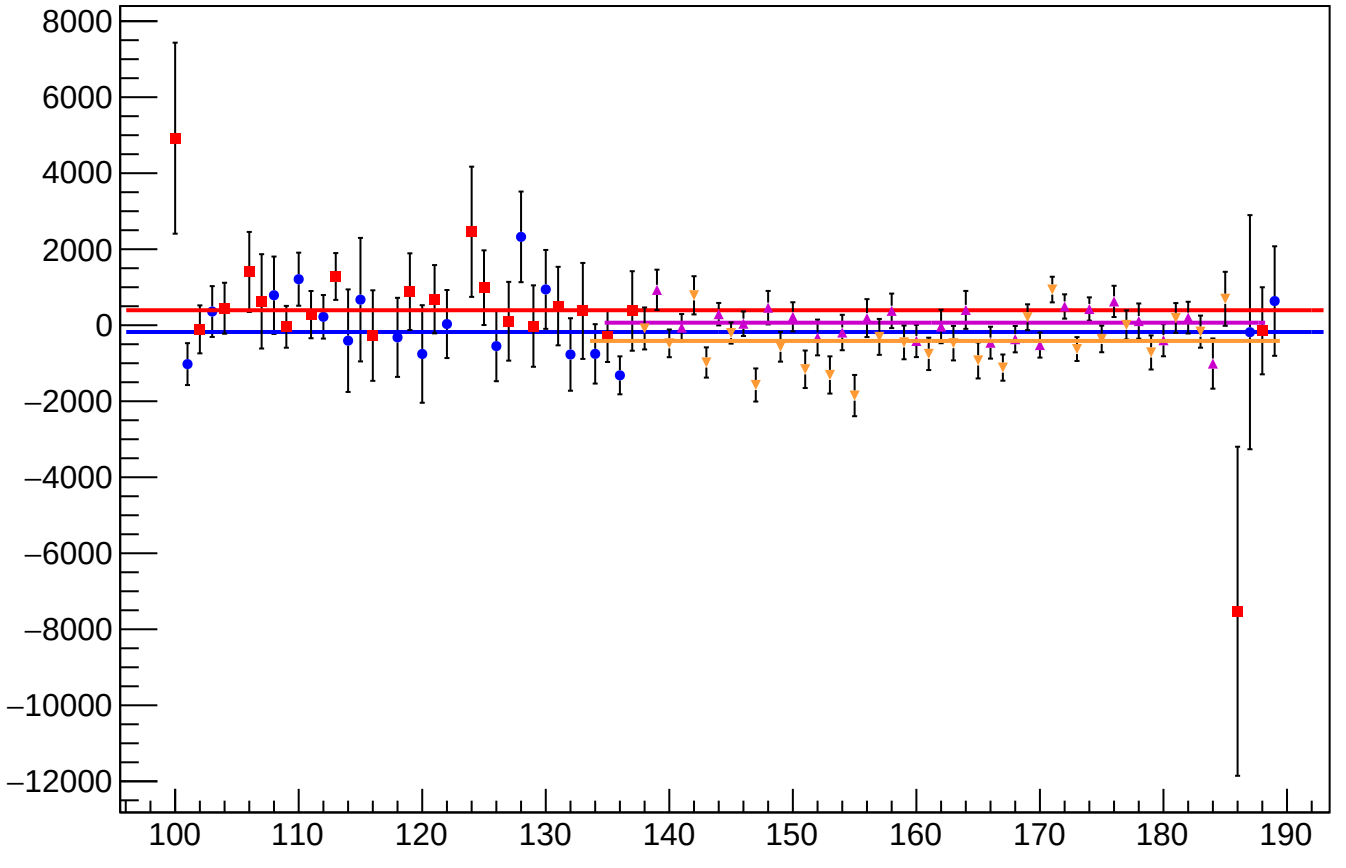
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 60.853+/-0.011 χ^2/NDF: 2901155.9/38

In: 58.503+/-0.008 χ^2/NDF:2144247.9/40

Out: 58.740+/-0.008 χ^2/NDF:3302041.0/45

All: 58.624+/-0.006 χ^2/NDF: 5446699.0/86



Right In: -178.136+/-198.275 χ^2/NDF: 21.1/17

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 394.575+/-193.959 χ^2/NDF: 14.9/20

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

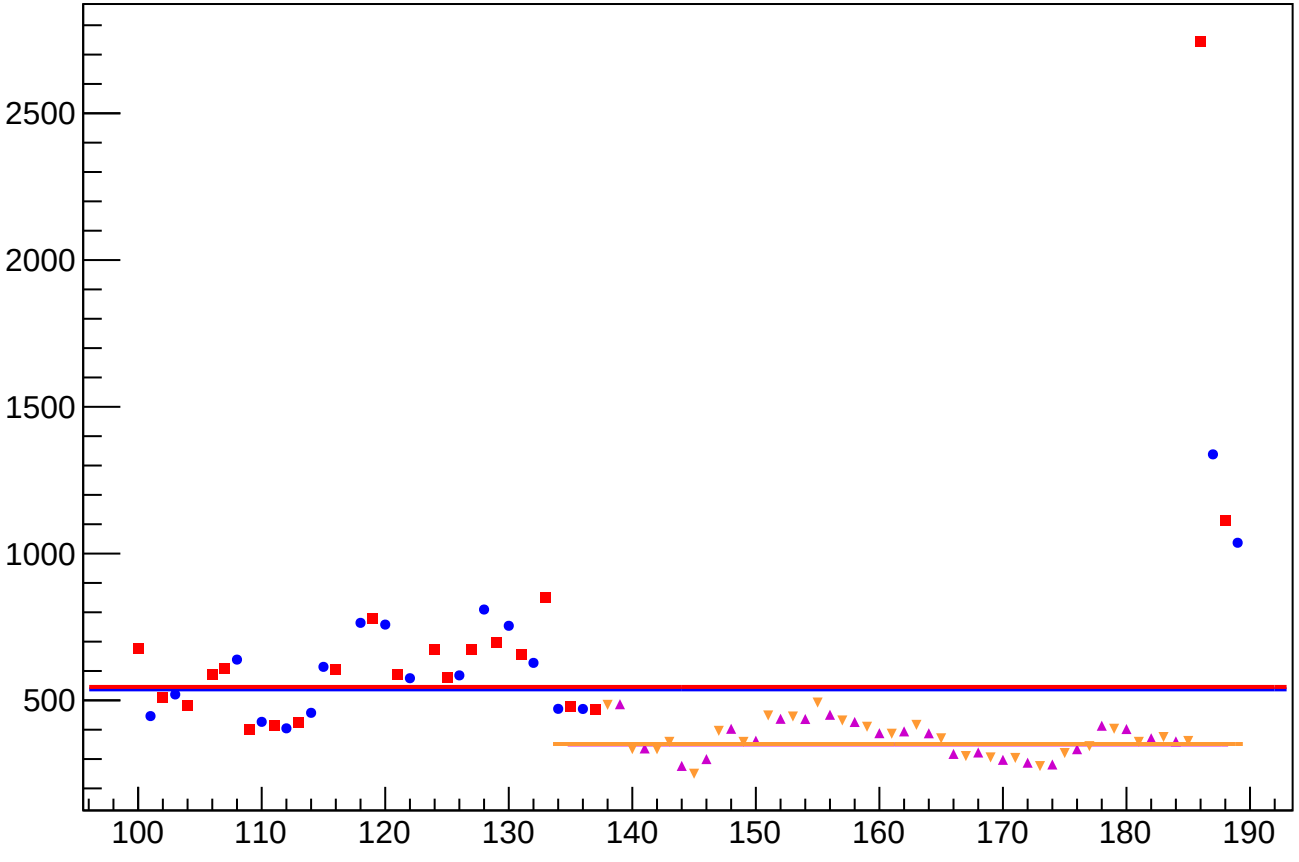
Right: 114.521+/-138.650 χ^2/NDF: 40.3/38

In: 30.079+/-76.627 χ^2/NDF:45.3/40

Out: -292.780+/-74.850 χ^2/NDF:91.0/45

All: -135.138+/-53.544 χ^2/NDF: 145.4/86

asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 537.404+/-0.140 χ^2/NDF: 1042454.6/17

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 545.680+/-0.137 χ^2/NDF: 1718223.7/20

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

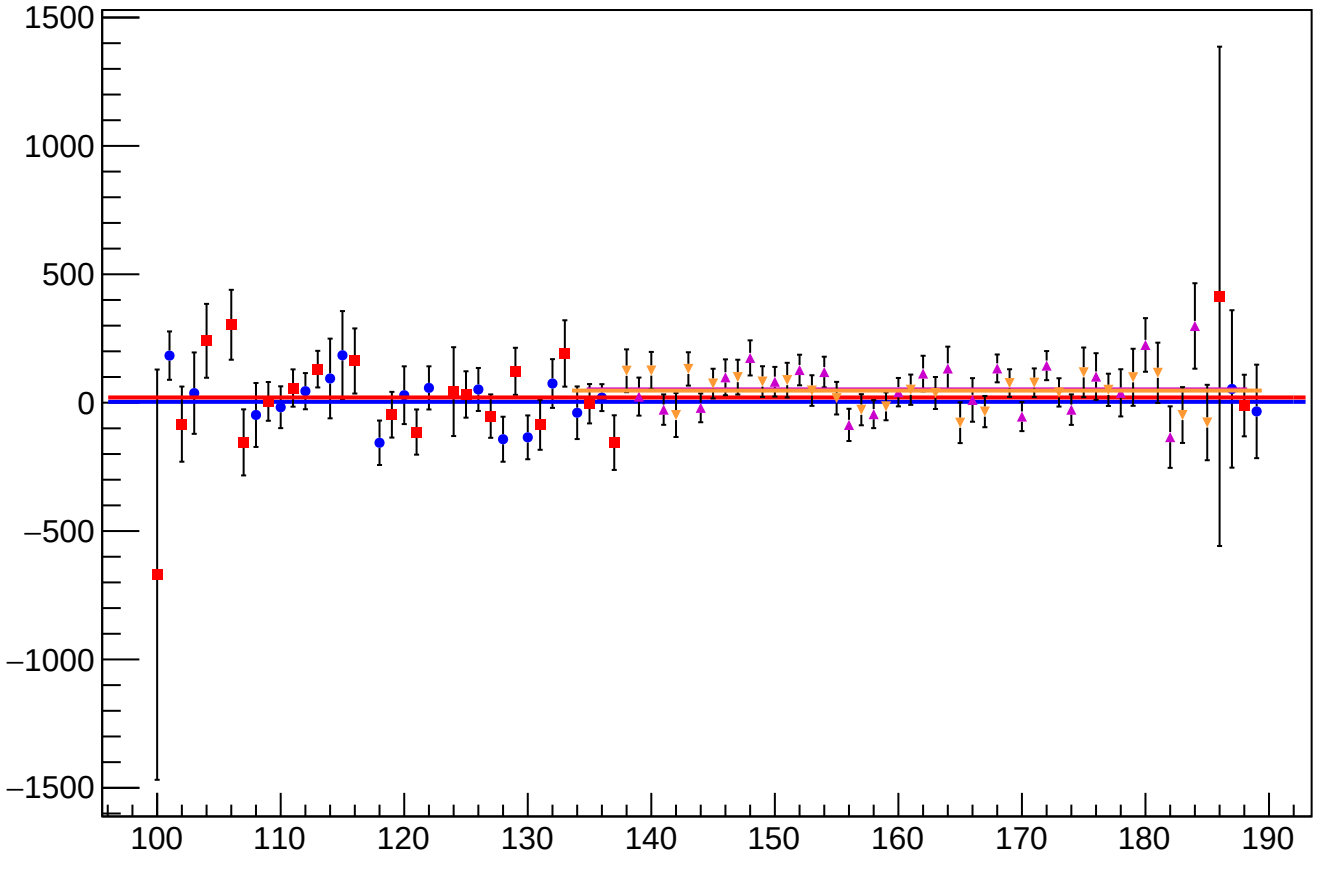
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 541.633+/-0.098 χ^2/NDF: 2762458.7/38

In: 377.831+/-0.054 χ^2/NDF:3555703.7/40

Out: 380.217+/-0.053 χ^2/NDF:4546650.8/45

All: 379.052+/-0.038 χ^2/NDF: 8103346.9/86



Right In: 3.298+/-22.252 χ^2/NDF: 16.2/17

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 20.334+/-22.363 χ^2/NDF: 24.7/20

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

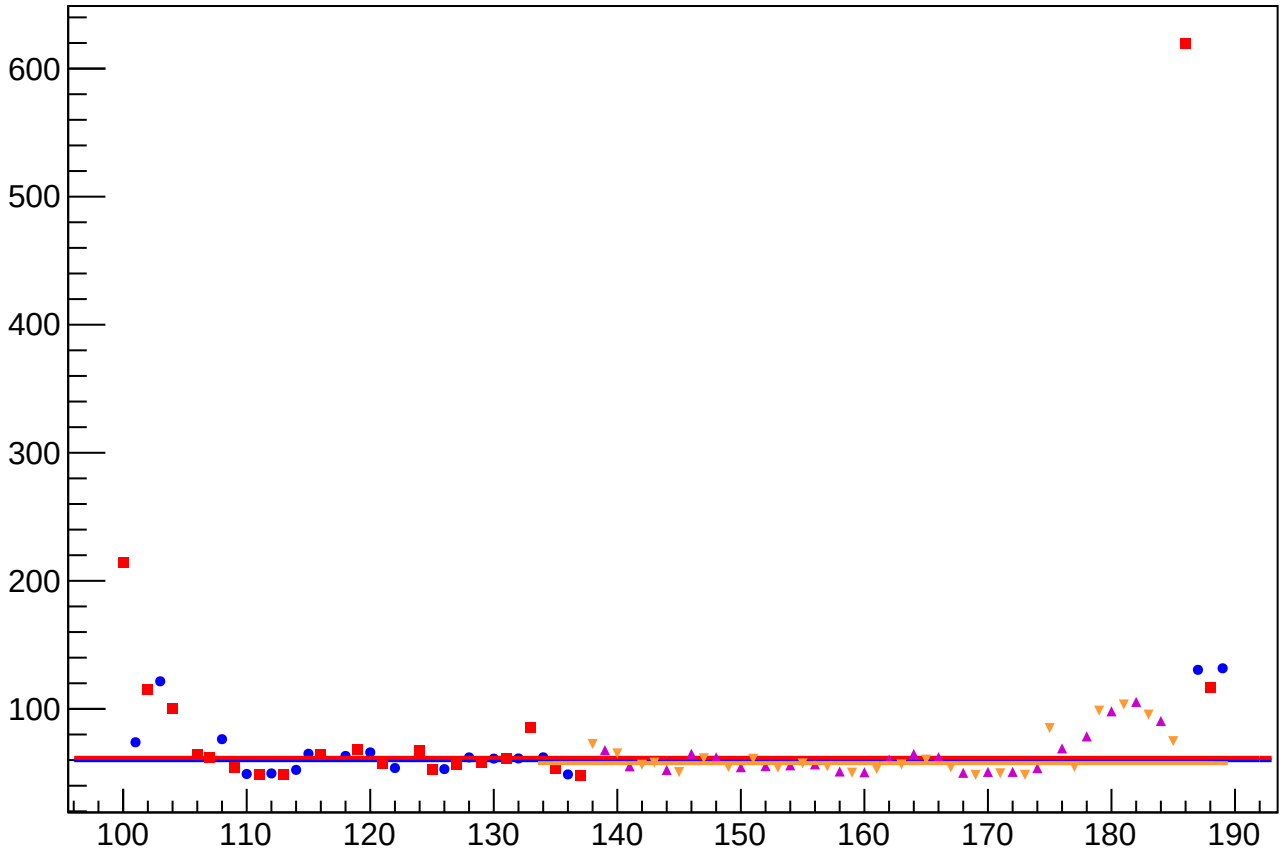
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 11.773+/-15.774 χ^2/NDF: 41.2/38

In: 38.032+/-11.809 χ^2/NDF:57.8/40

Out: 39.980+/-11.565 χ^2/NDF:42.7/45

All: 39.026+/-8.263 χ^2/NDF: 100.5/86



Right In: 59.939+/-0.016 χ^2/NDF: 1008132.3/17

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 61.777+/-0.016 χ^2/NDF: 1886231.1/20

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

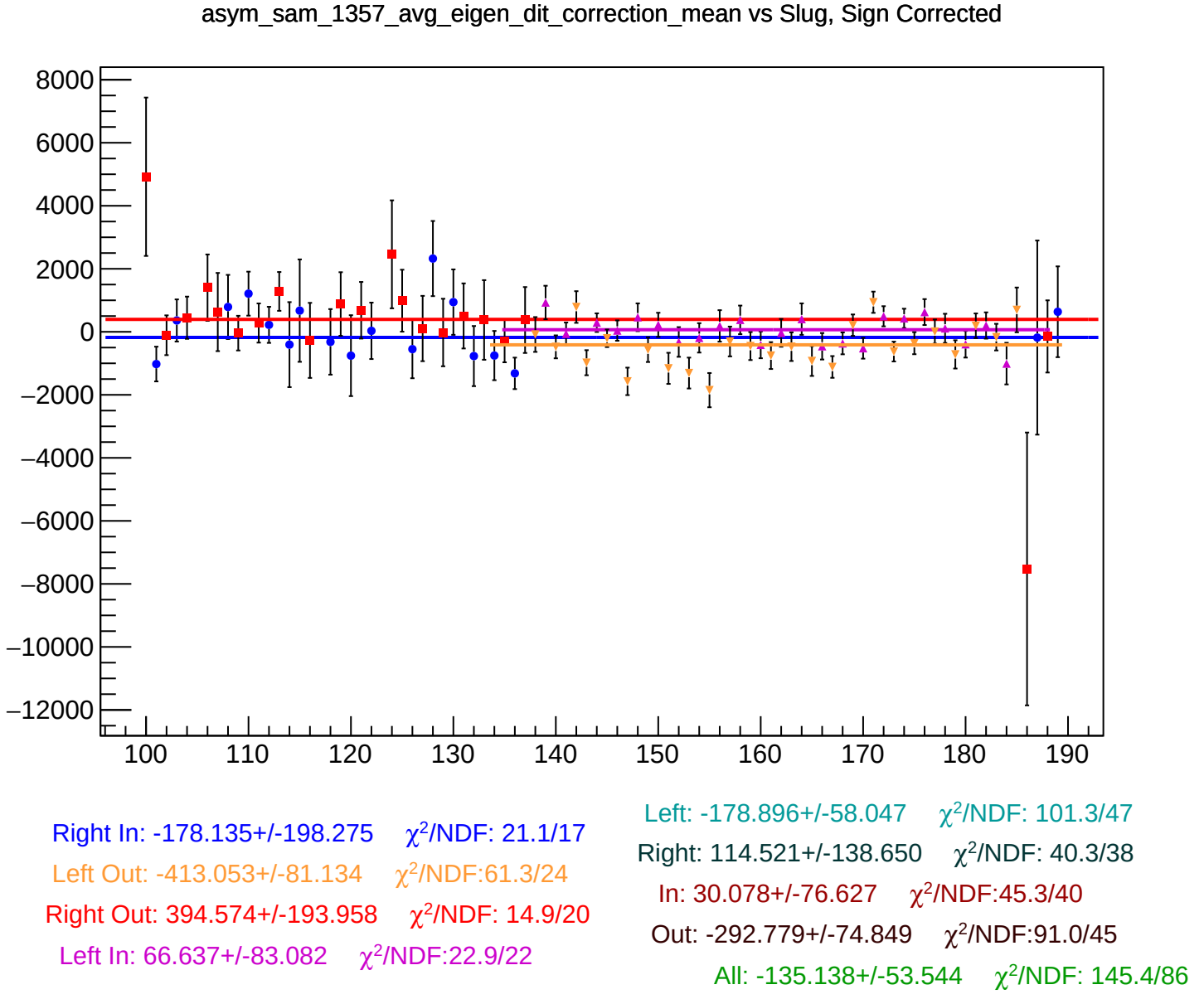
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 60.853+/-0.011 χ^2/NDF: 2901156.6/38

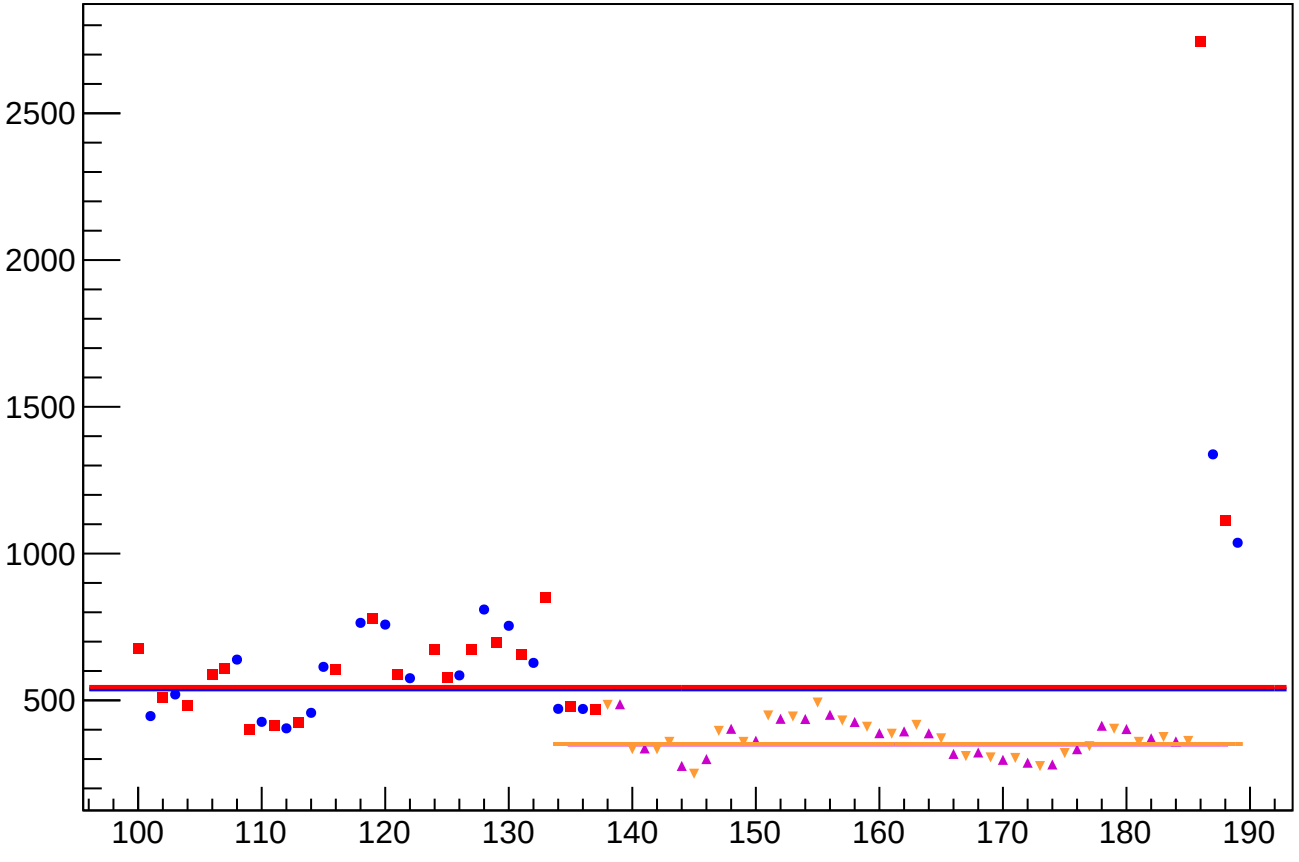
In: 58.503+/-0.008 χ^2/NDF:2144230.7/40

Out: 58.740+/-0.008 χ^2/NDF:3302040.1/45

All: 58.624+/-0.006 χ^2/NDF: 5446680.9/86


asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -178.135+/-198.275 χ²/NDF: 21.1/17
Left Out: -413.053+/-81.134 χ²/NDF:61.3/24
Right Out: 394.574+/-193.958 χ²/NDF: 14.9/20
Left In: 66.637+/-83.082 χ²/NDF:22.9/22
Left: -178.896+/-58.047 χ²/NDF: 101.3/47
Right: 114.521+/-138.650 χ²/NDF: 40.3/38
In: 30.078+/-76.627 χ²/NDF:45.3/40
Out: -292.779+/-74.849 χ²/NDF:91.0/45
All: -135.138+/-53.544 χ²/NDF: 145.4/86

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 537.403+/-0.140 χ^2/NDF: 1042460.6/17

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 545.679+/-0.137 χ^2/NDF: 1718224.6/20

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

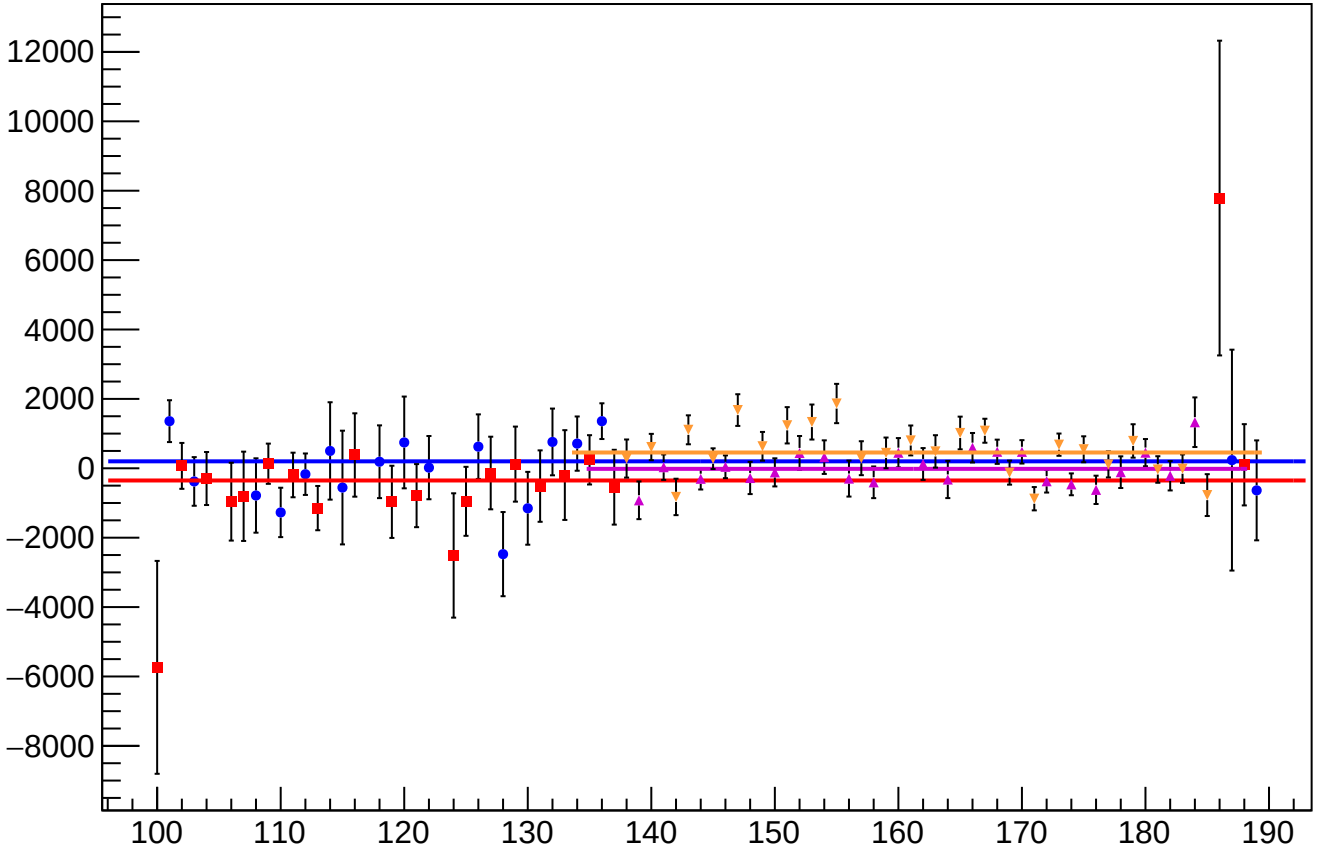
Right: 541.632+/-0.098 χ^2/NDF: 2762465.6/38

In: 377.831+/-0.054 χ^2/NDF:3555693.2/40

Out: 380.217+/-0.053 χ^2/NDF:4546639.9/45

All: 379.052+/-0.038 χ^2/NDF: 8103325.4/86

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 200.541+/-204.945 χ^2/NDF: 23.2/17

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -351.168+/-202.286 χ^2/NDF: 13.4/20

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

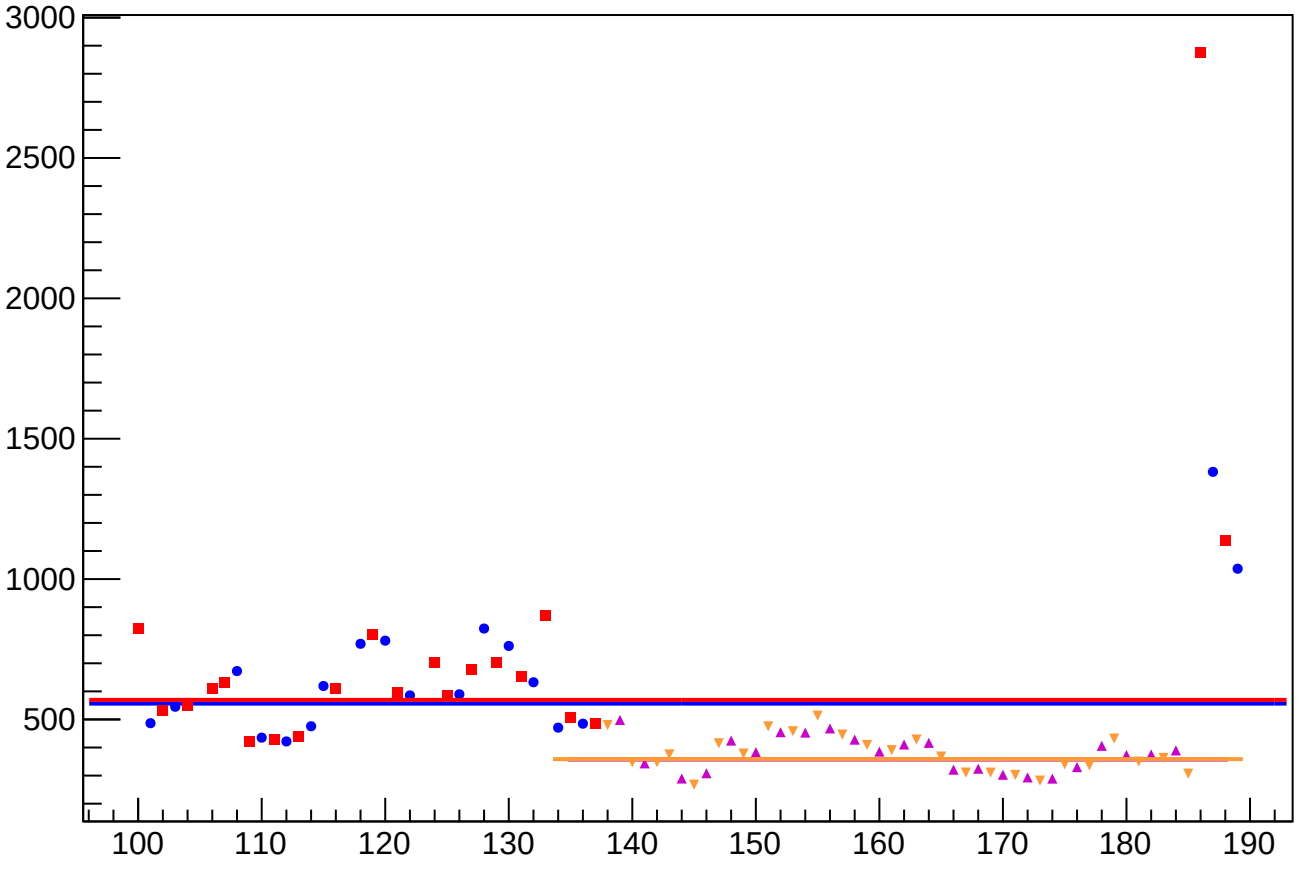
Right: -78.916+/-143.969 χ^2/NDF: 40.3/38

In: 15.611+/-78.381 χ^2/NDF:49.0/40

Out: 339.130+/-76.756 χ^2/NDF:87.8/45

All: 180.759+/-54.840 χ^2/NDF: 145.6/86

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 556.478+/-0.145 χ^2/NDF: 970764.7/17

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 569.740+/-0.143 χ^2/NDF: 1642733.9/20

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

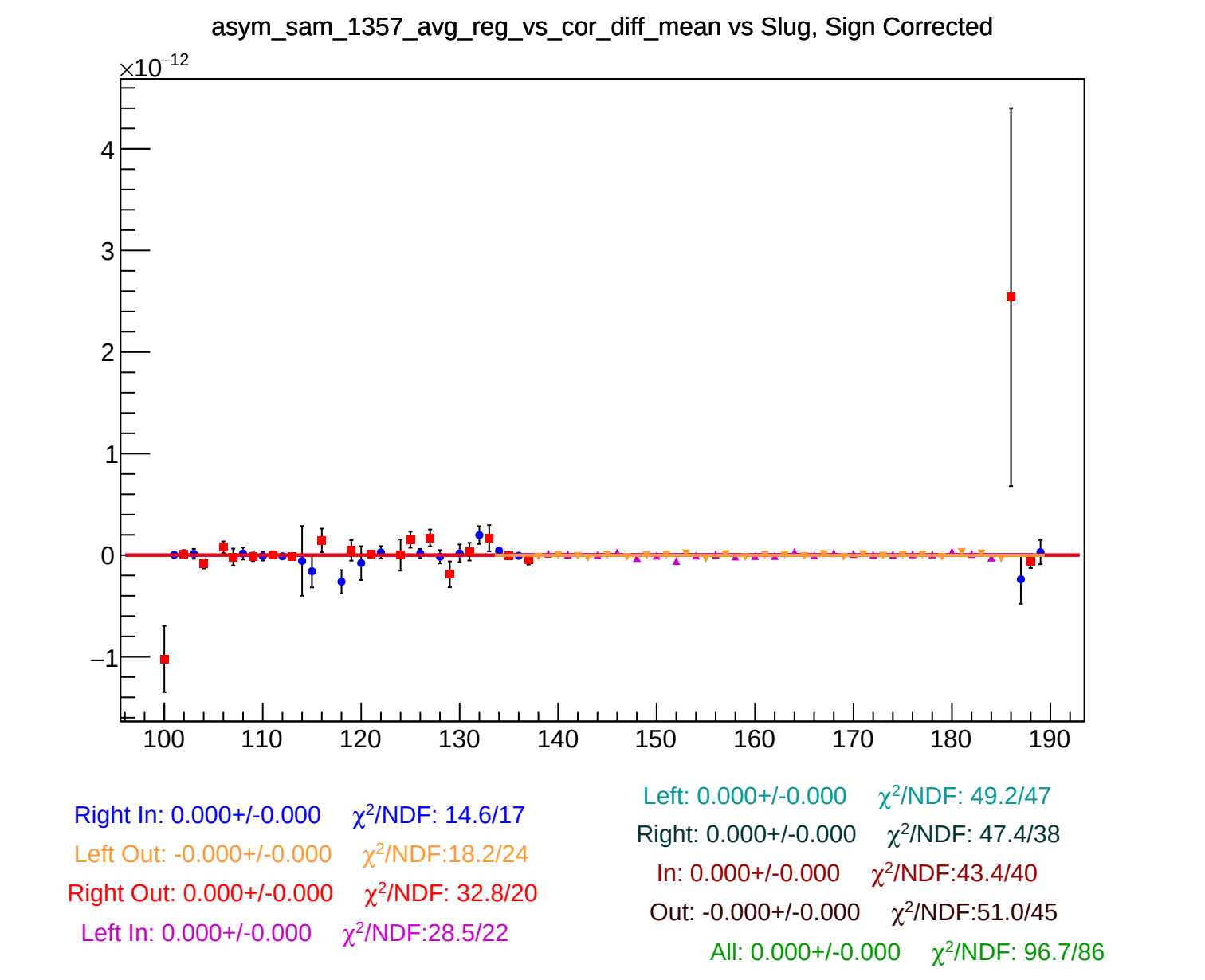
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

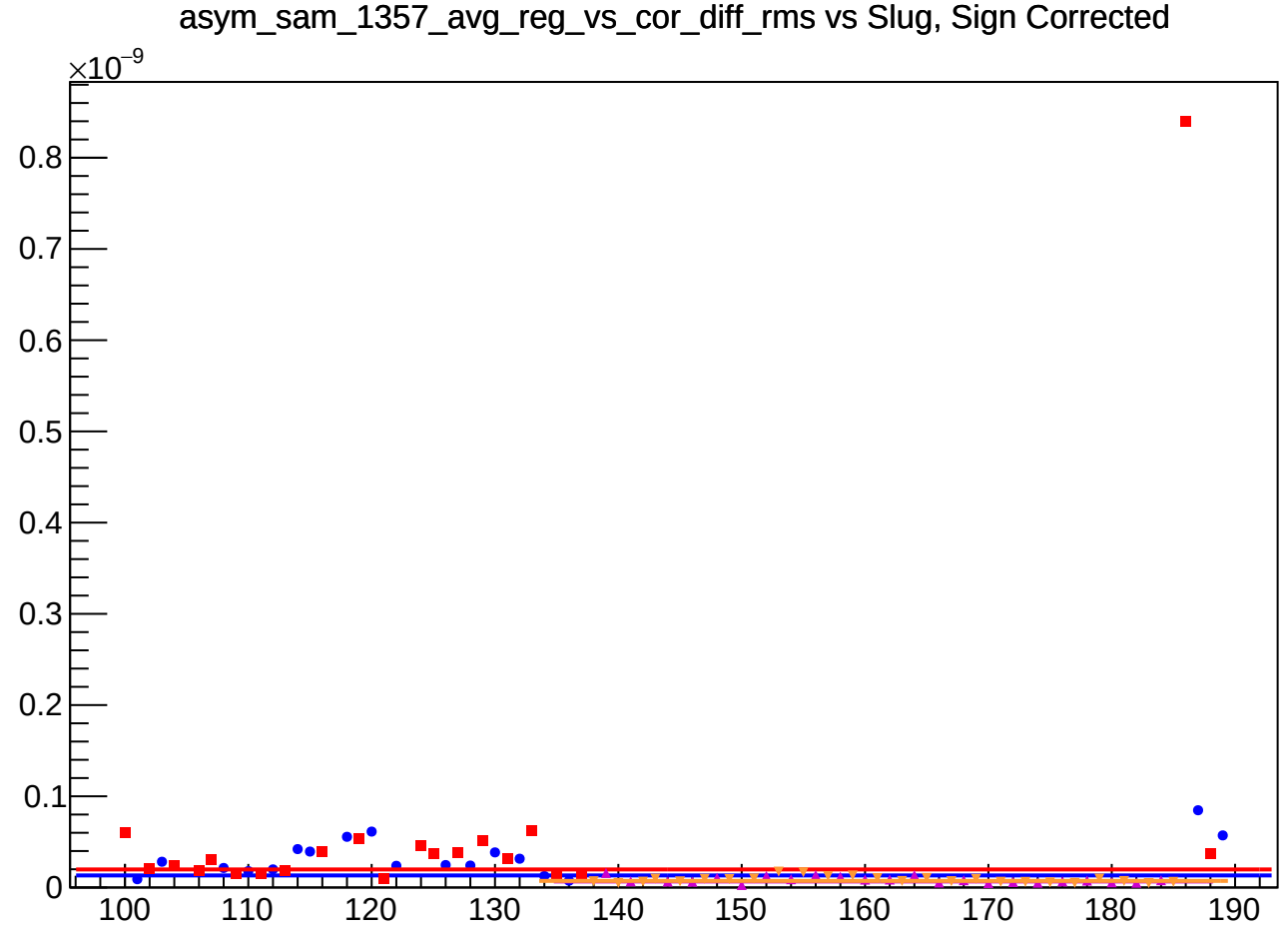
Right: 563.196+/-0.102 χ^2/NDF: 2617741.0/38

In: 386.333+/-0.055 χ^2/NDF:3567031.2/40

Out: 389.065+/-0.054 χ^2/NDF:4626113.3/45

All: 387.728+/-0.039 χ^2/NDF: 8194385.3/86


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 14.6/17
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.8/20
Left In: 0.000+/-0.000 χ²/NDF:28.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.2/47
Right: 0.000+/-0.000 χ²/NDF: 47.4/38
In: 0.000+/-0.000 χ²/NDF:43.4/40
Out: -0.000+/-0.000 χ²/NDF:51.0/45
All: 0.000+/-0.000 χ²/NDF: 96.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 2209584.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1892266.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

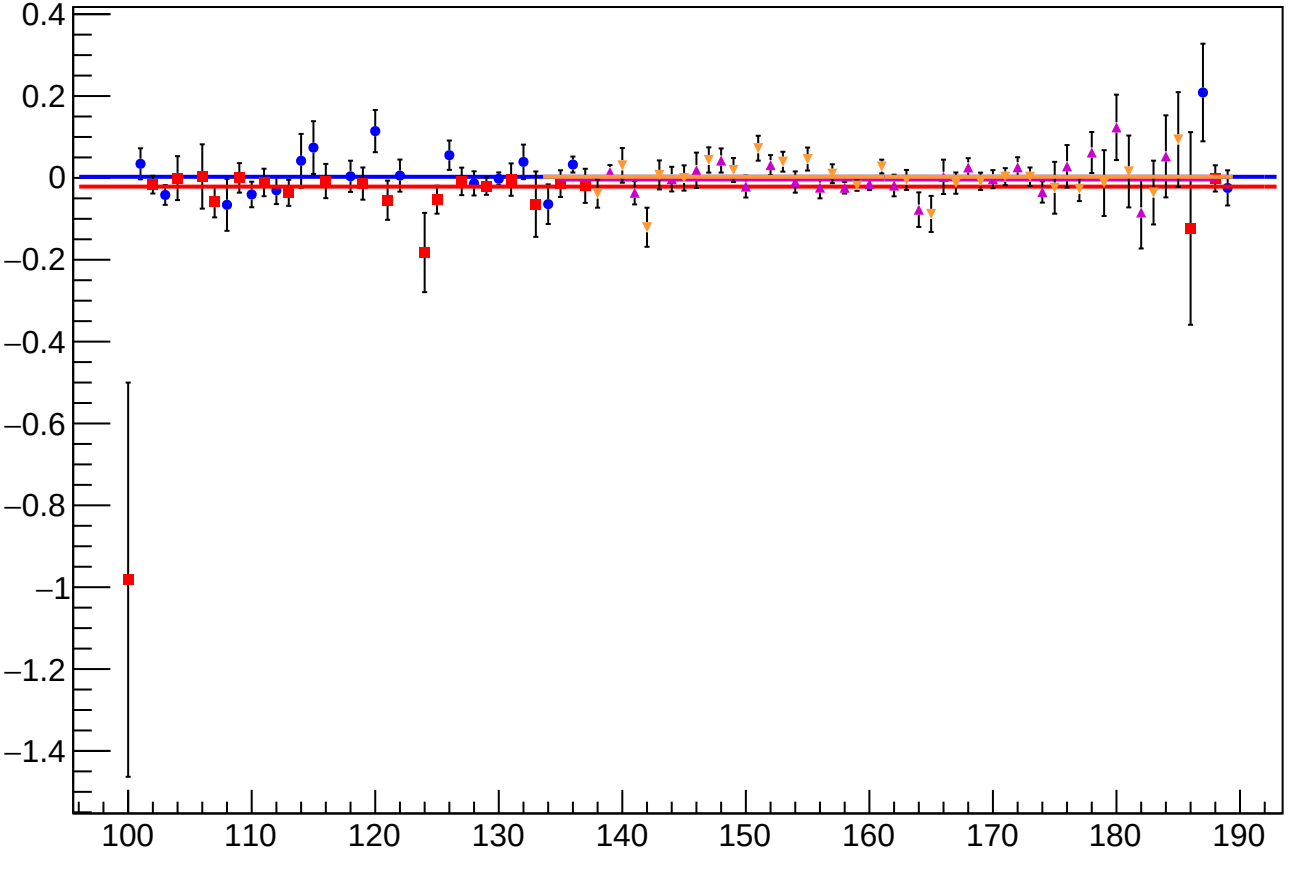
Right: 0.000+/-0.000 χ^2/NDF: 4486889.2/38

In: 0.000+/-0.000 χ^2/NDF:4923762.4/40

Out: 0.000+/-0.000 χ^2/NDF:5423144.8/45

All: 0.000+/-0.000 χ^2/NDF: 10410599.7/86

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

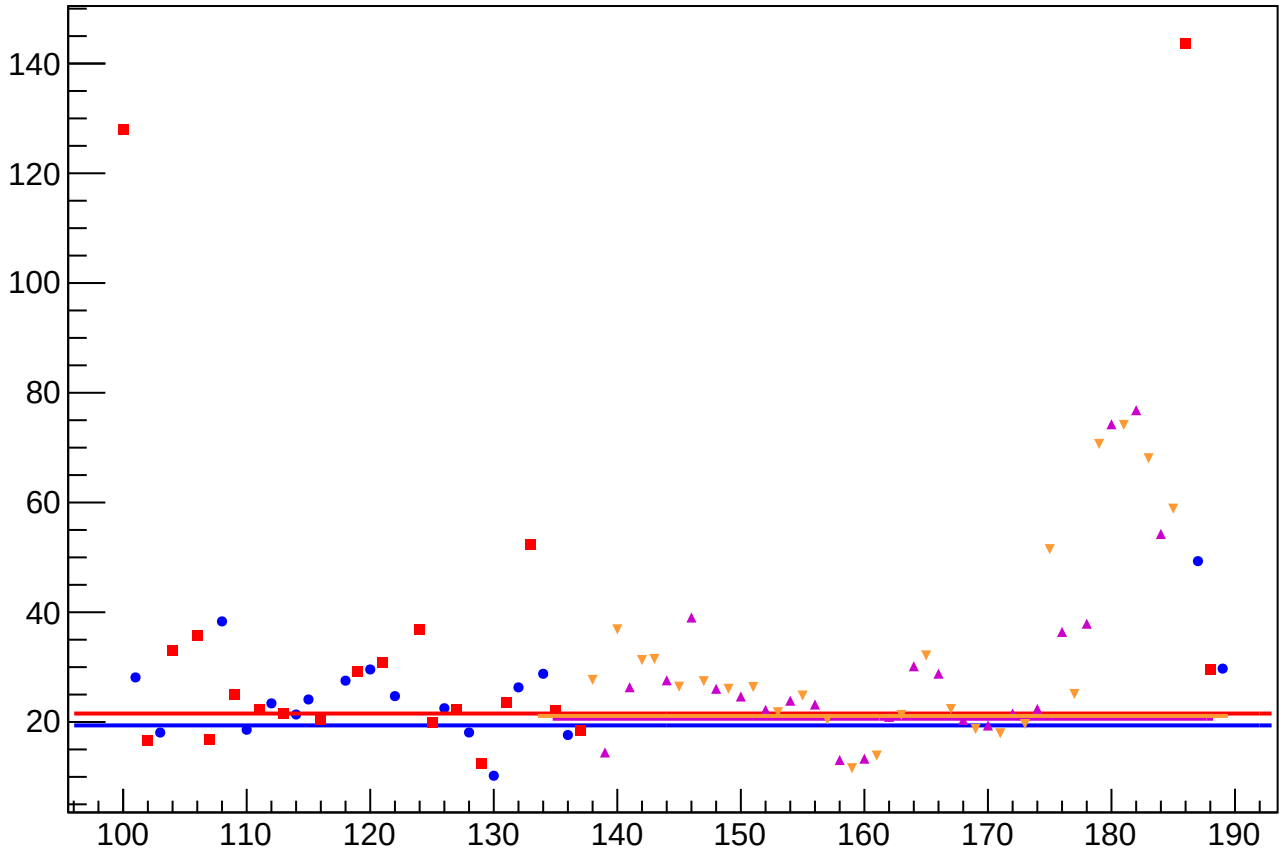
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.009+/-0.006 χ^2/NDF: 41.3/38

In: -0.002+/-0.004 χ^2/NDF:50.4/40

Out: -0.005+/-0.005 χ^2/NDF:50.2/45

All: -0.003+/-0.003 χ^2/NDF: 100.8/86



Right In: 19.381+/-0.005 χ^2/NDF: 1639692.8/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 21.543+/-0.006 χ^2/NDF: 1970551.7/20

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

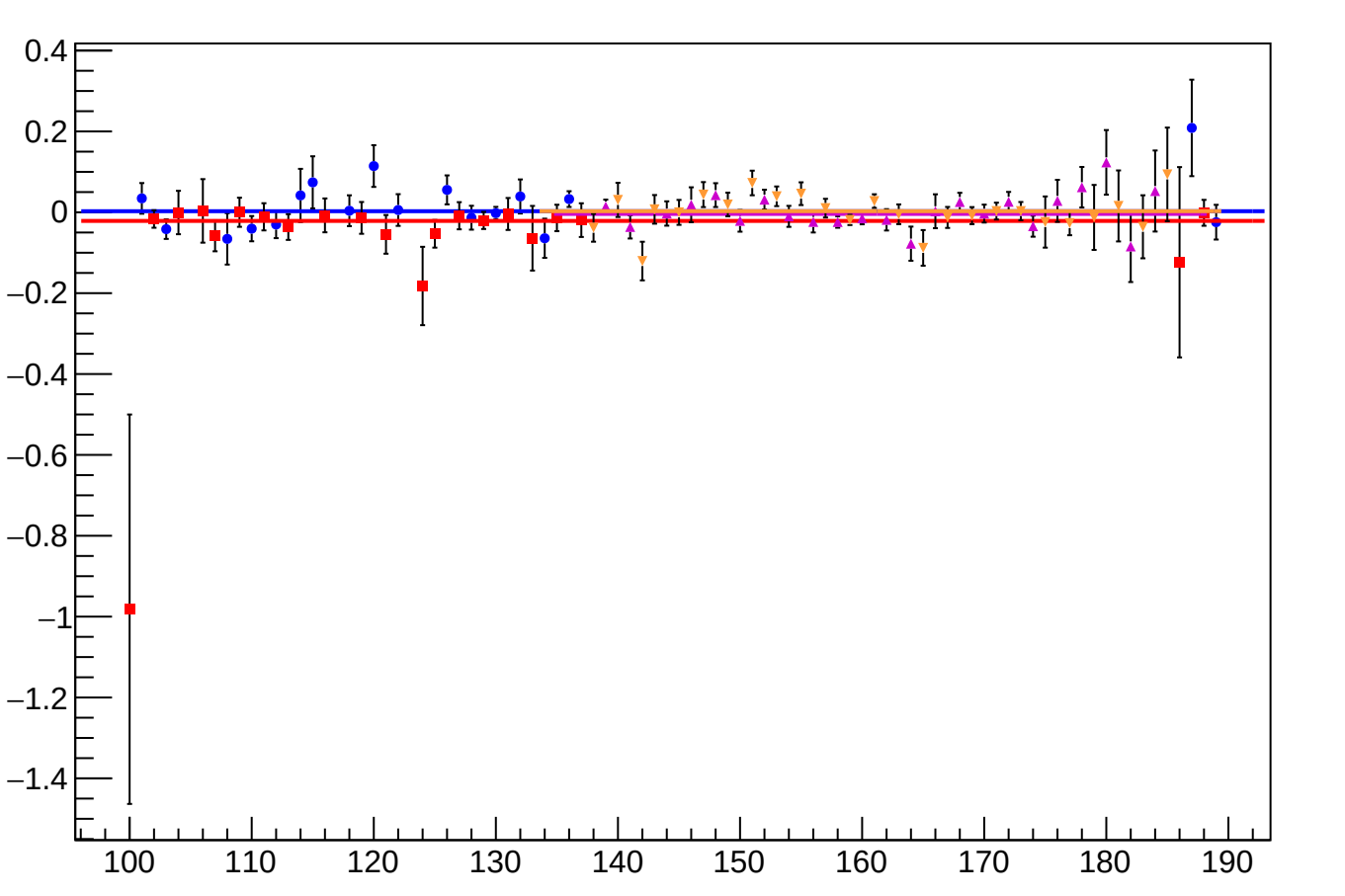
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 20.394+/-0.004 χ^2/NDF: 3684825.7/38

In: 20.186+/-0.003 χ^2/NDF:6272381.2/40

Out: 21.243+/-0.003 χ^2/NDF:7521004.5/45

All: 20.703+/-0.002 χ^2/NDF: 13848879.7/86



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

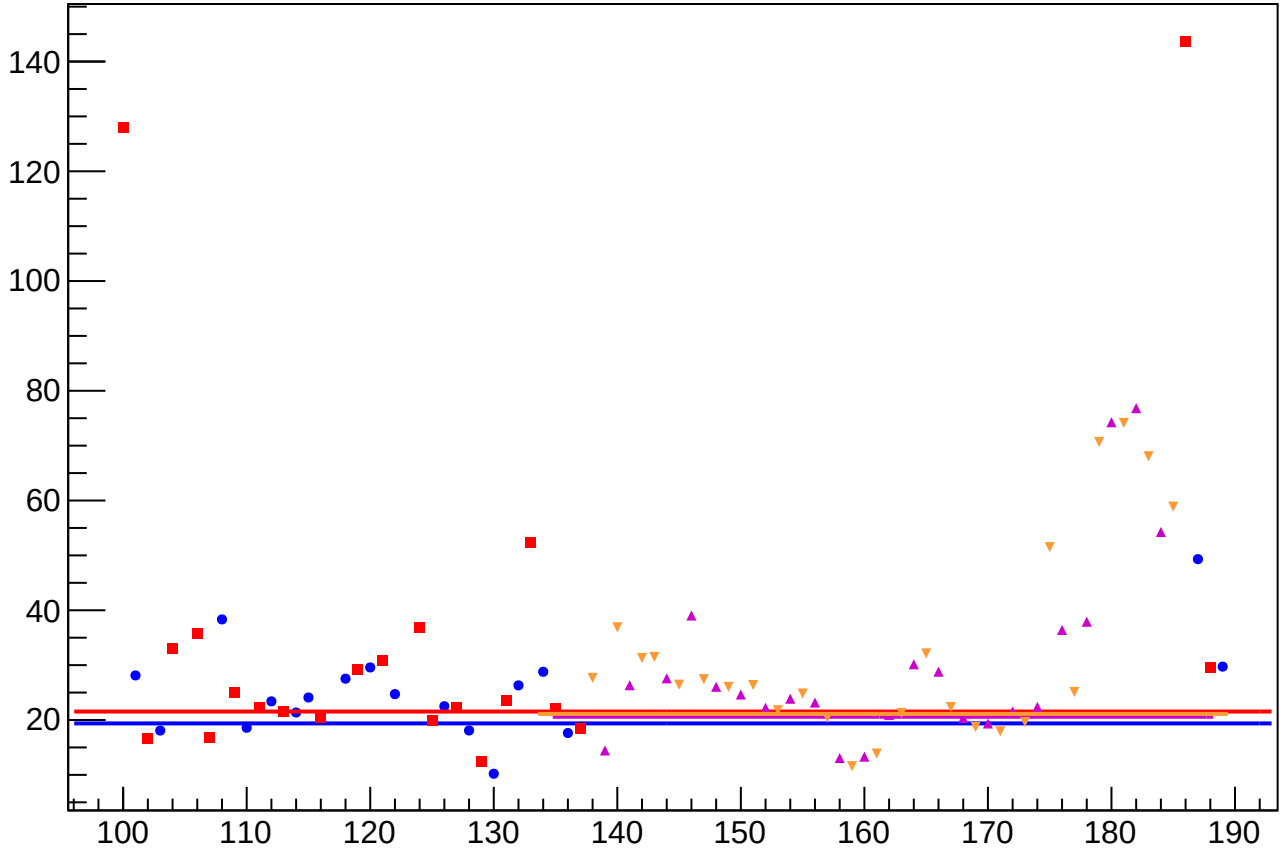
Right: -0.009+/-0.006 χ^2/NDF: 41.3/38

In: -0.002+/-0.004 χ^2/NDF:50.4/40

Out: -0.005+/-0.005 χ^2/NDF:50.2/45

All: -0.003+/-0.003 χ^2/NDF: 100.8/86

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.381+/-0.005 χ^2/NDF: 1639692.8/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 21.543+/-0.006 χ^2/NDF: 1970551.7/20

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

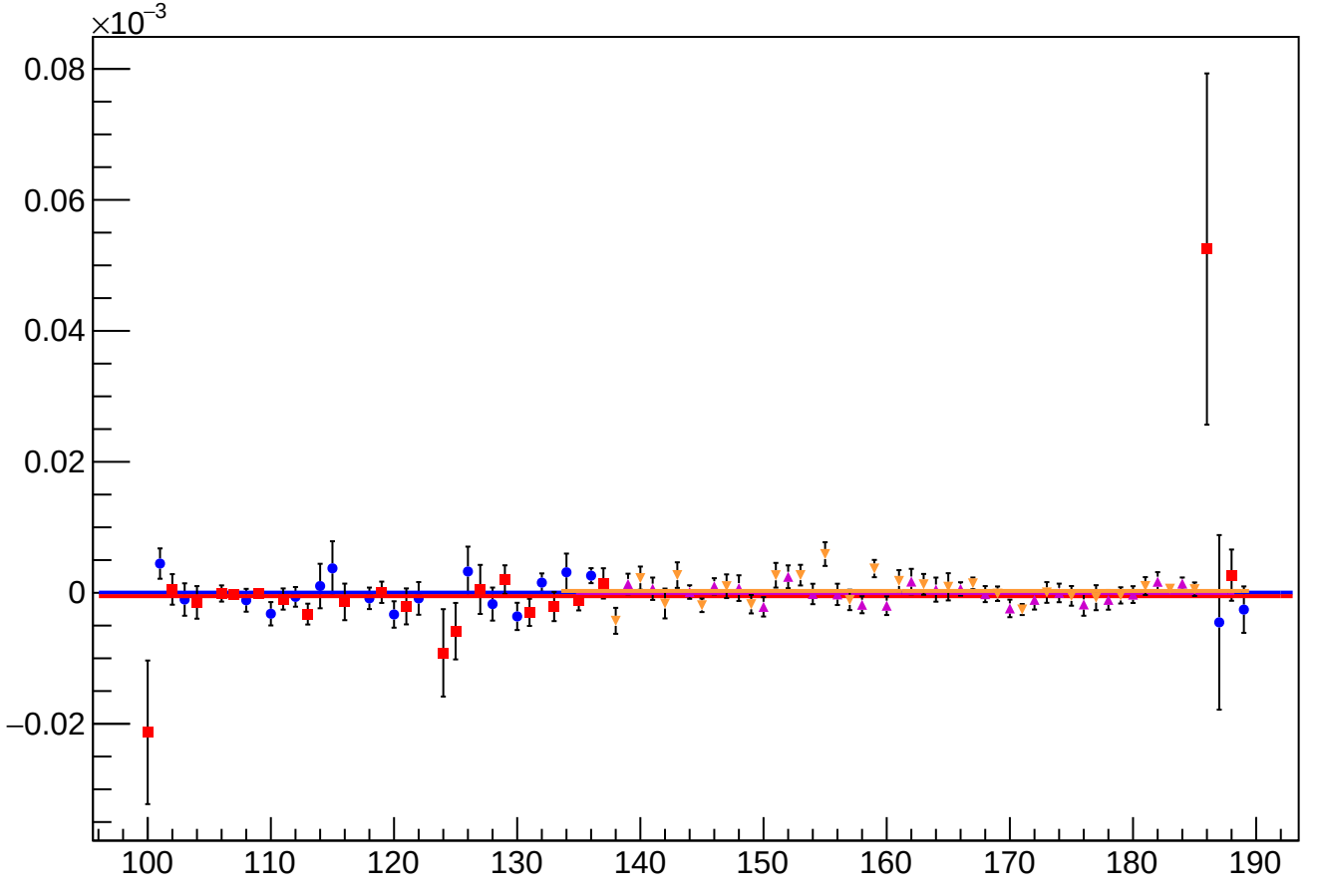
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 20.394+/-0.004 χ^2/NDF: 3684825.7/38

In: 20.186+/-0.003 χ^2/NDF:6272381.2/40

Out: 21.243+/-0.003 χ^2/NDF:7521004.5/45

All: 20.703+/-0.002 χ^2/NDF: 13848879.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/20

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

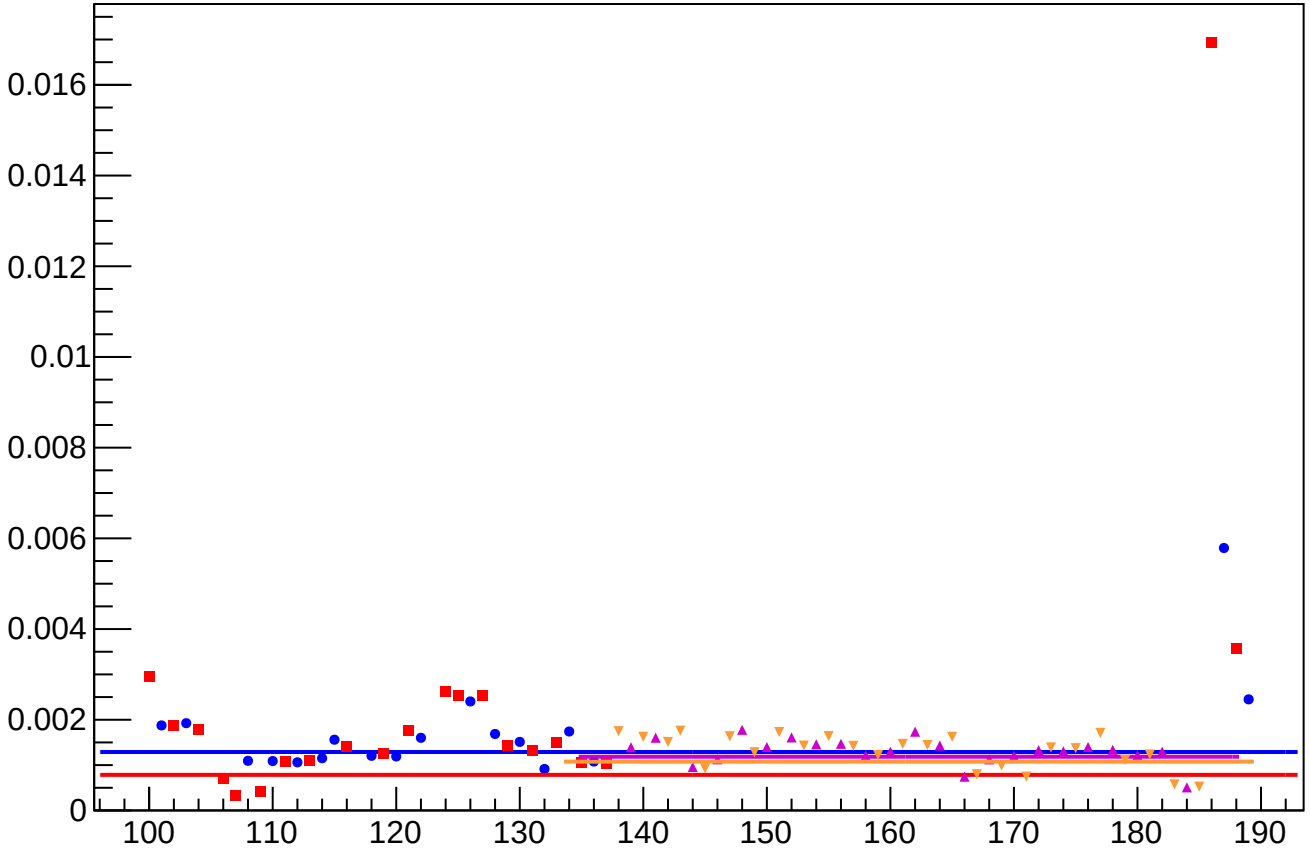
Right: -0.000+/-0.000 χ^2/NDF: 45.3/38

In: -0.000+/-0.000 χ^2/NDF:44.0/40

Out: -0.000+/-0.000 χ^2/NDF:76.3/45

All: -0.000+/-0.000 χ^2/NDF: 120.3/86

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1356135.7/17

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6428160.3/20

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

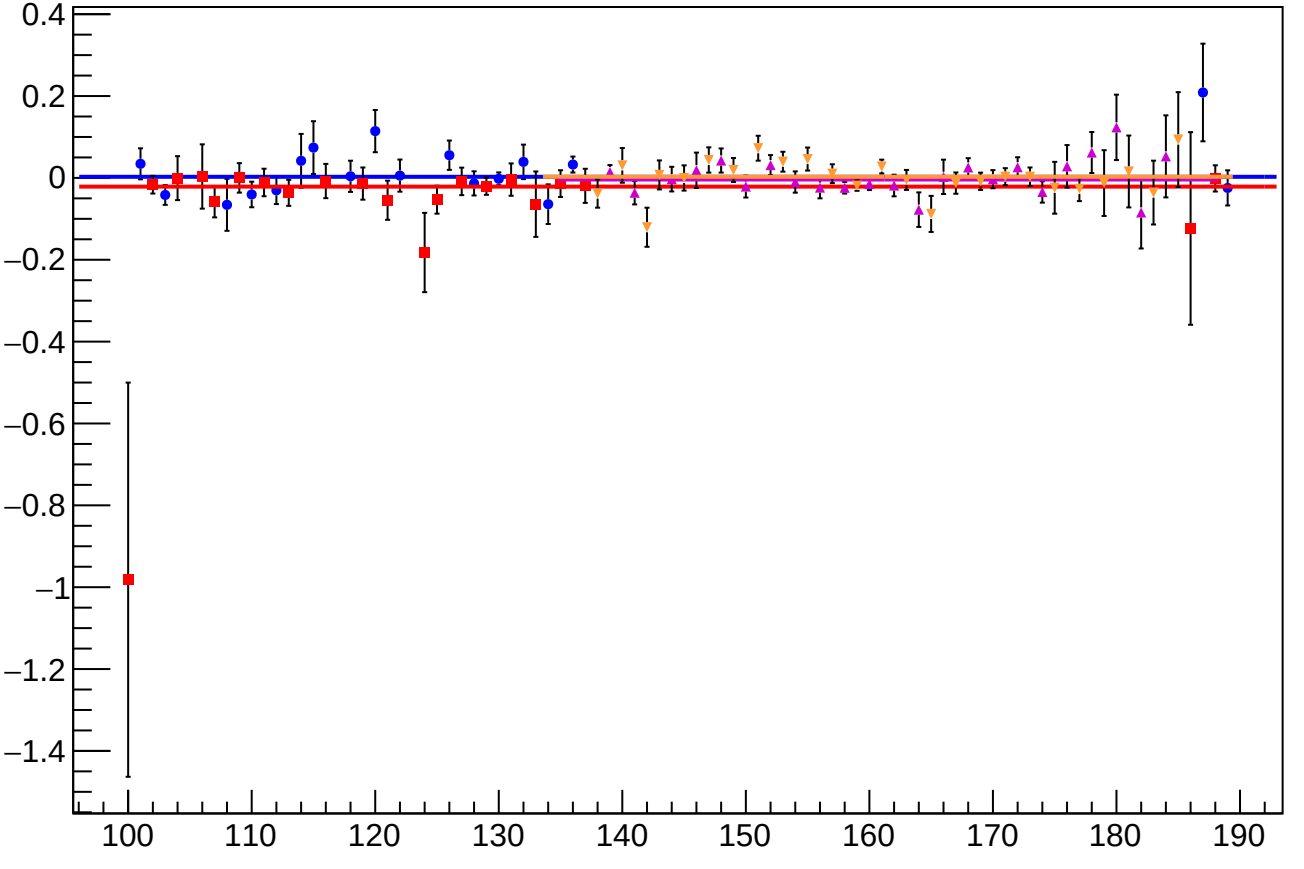
Right: 0.001+/-0.000 χ^2/NDF: 9251255.0/38

In: 0.001+/-0.000 χ^2/NDF:3881516.1/40

Out: 0.001+/-0.000 χ^2/NDF:11905311.8/45

All: 0.001+/-0.000 χ^2/NDF: 16945135.8/86

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

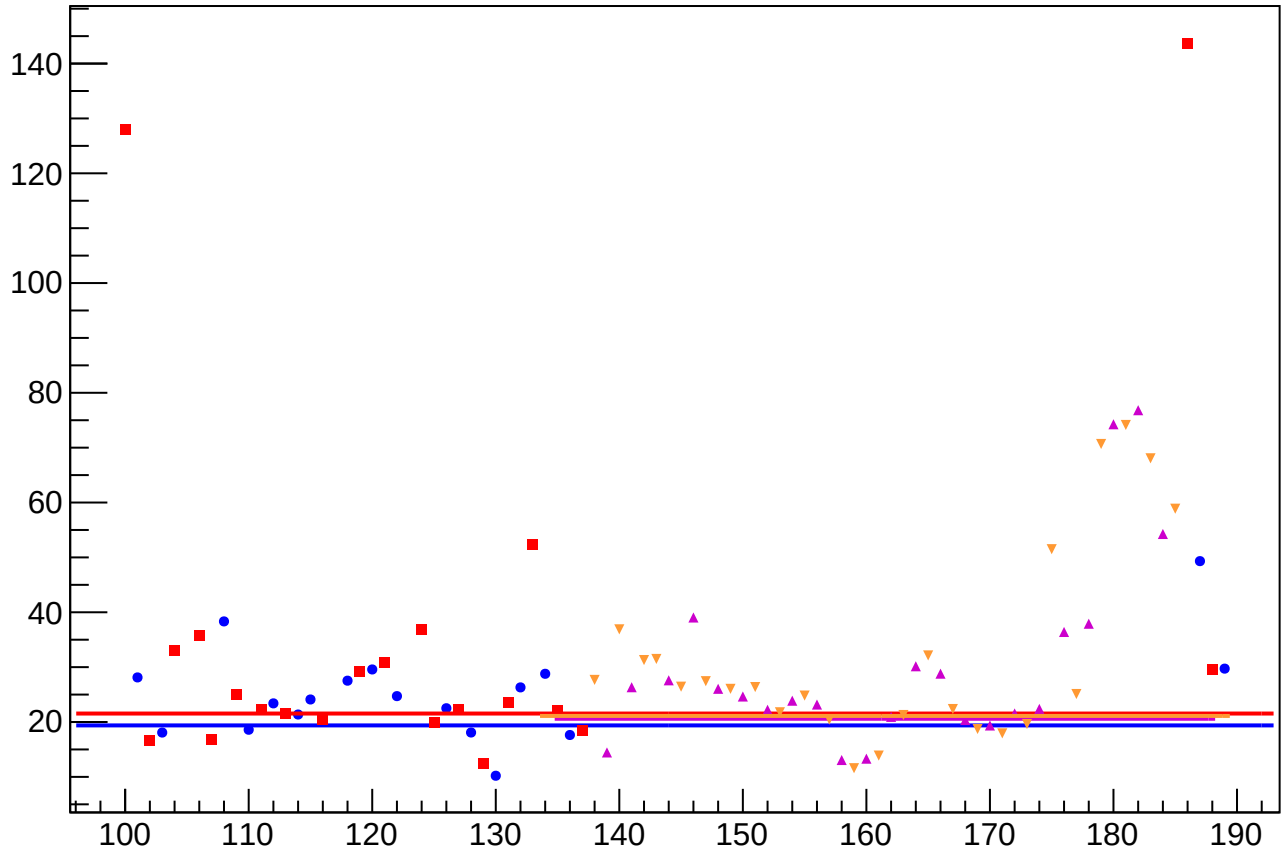
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.009+/-0.006 χ^2/NDF: 41.3/38

In: -0.002+/-0.004 χ^2/NDF:50.4/40

Out: -0.005+/-0.005 χ^2/NDF:50.2/45

All: -0.003+/-0.003 χ^2/NDF: 100.8/86



Right In: 19.382+/-0.005 χ^2/NDF: 1639573.5/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 21.544+/-0.006 χ^2/NDF: 1970549.2/20

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

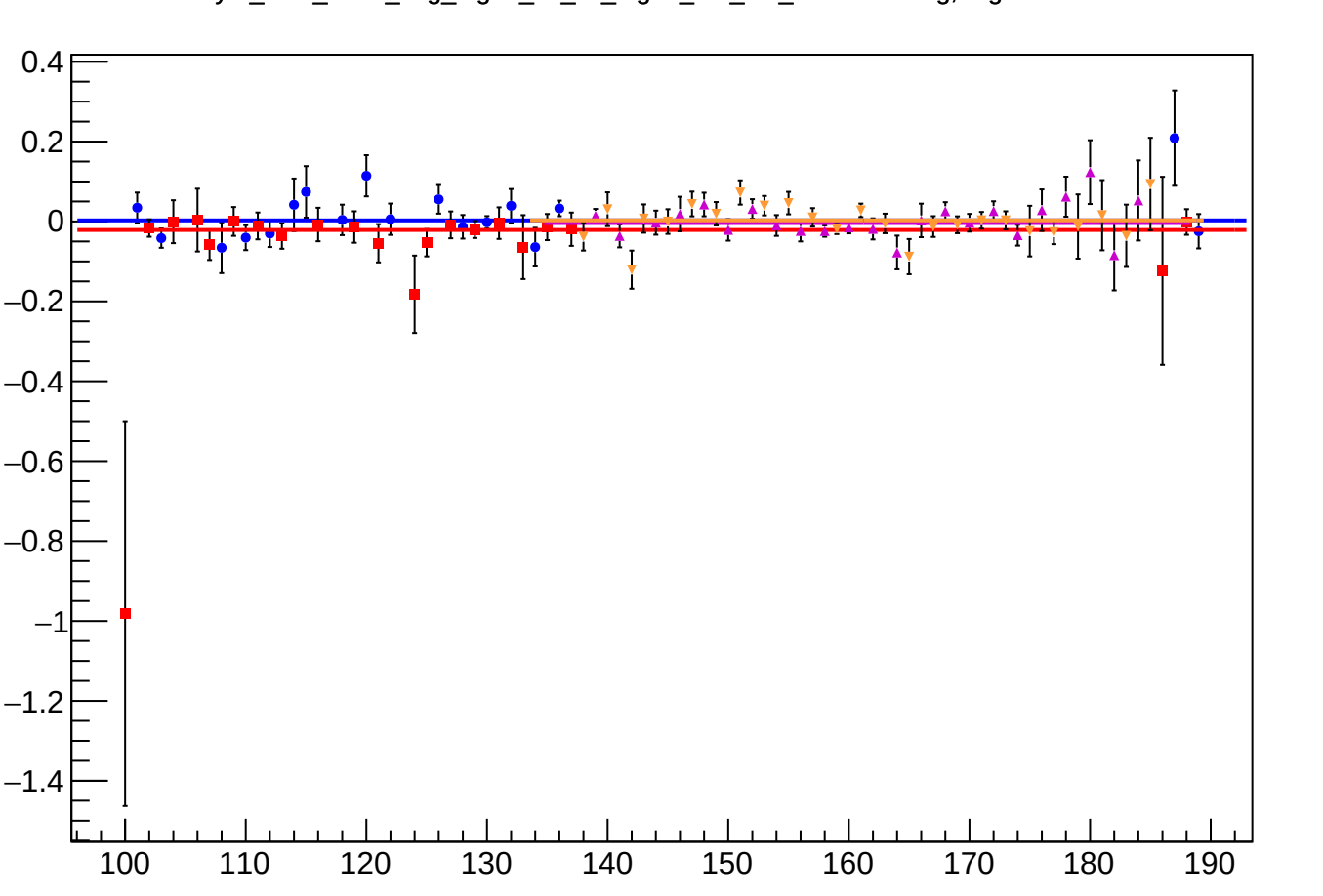
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 20.394+/-0.004 χ^2/NDF: 3684687.9/38

In: 20.187+/-0.003 χ^2/NDF:6272253.5/40

Out: 21.243+/-0.003 χ^2/NDF:7521139.7/45

All: 20.703+/-0.002 χ^2/NDF: 13848866.1/86



Right In: 0.003+/-0.008 χ^2/NDF: 25.3/17

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

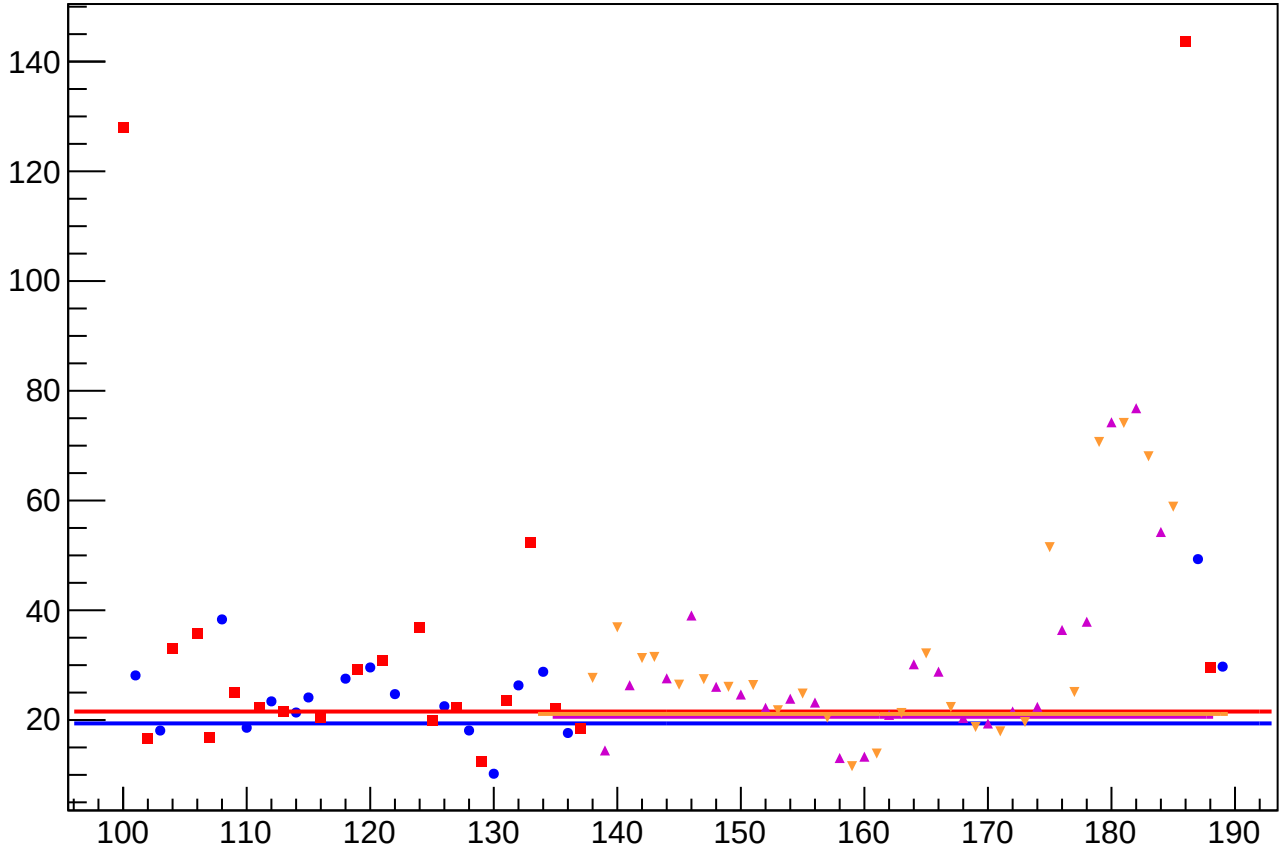
Right: -0.009+/-0.006 χ^2/NDF: 41.3/38

In: -0.002+/-0.004 χ^2/NDF:50.4/40

Out: -0.005+/-0.005 χ^2/NDF:50.2/45

All: -0.003+/-0.003 χ^2/NDF: 100.8/86

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.382+/-0.005 χ^2/NDF: 1639573.5/17

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 21.544+/-0.006 χ^2/NDF: 1970549.2/20

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

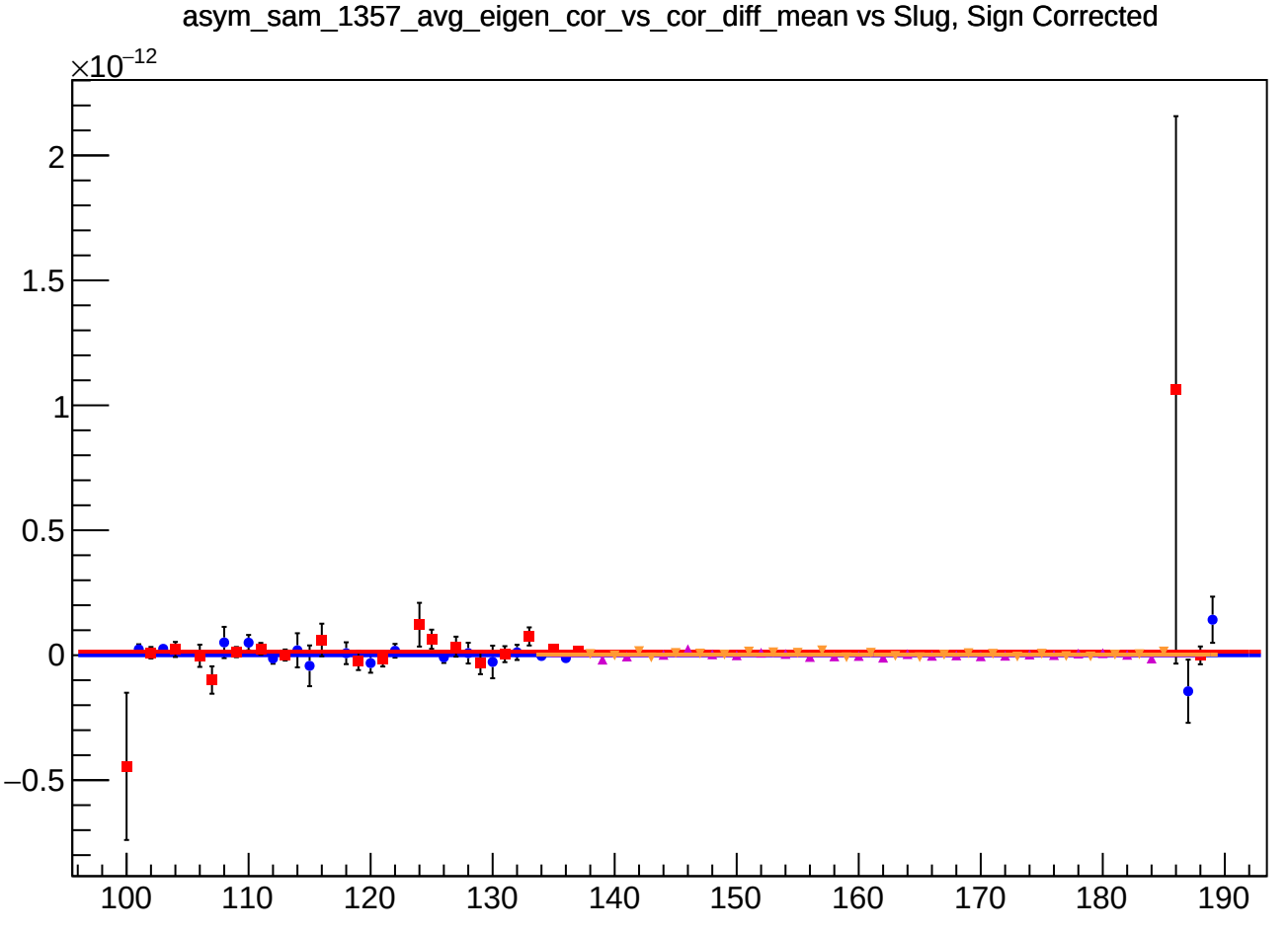
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 20.394+/-0.004 χ^2/NDF: 3684687.9/38

In: 20.187+/-0.003 χ^2/NDF:6272253.5/40

Out: 21.243+/-0.003 χ^2/NDF:7521139.7/45

All: 20.703+/-0.002 χ^2/NDF: 13848866.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/17

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

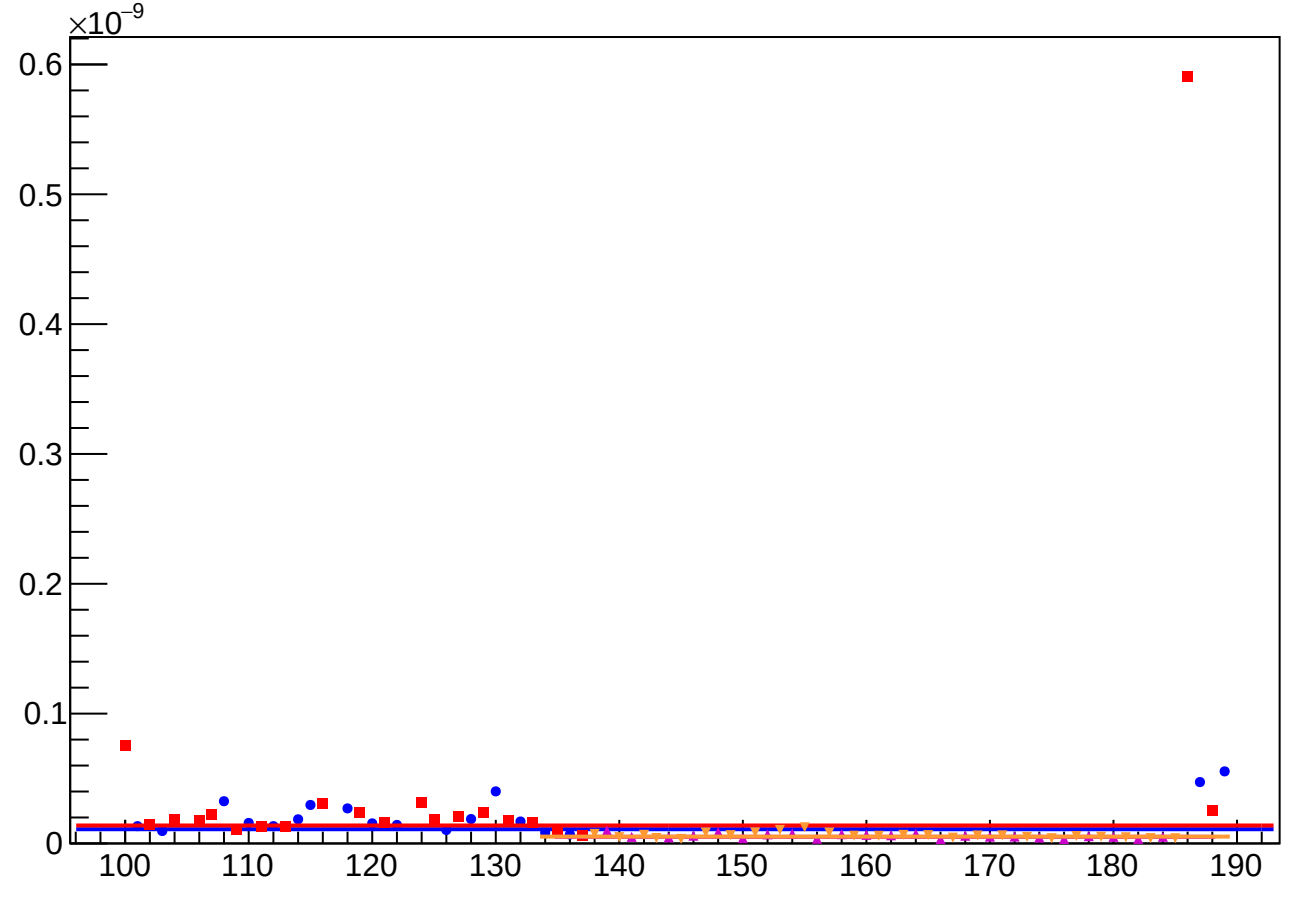
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 35.6/38

In: 0.000+/-0.000 χ^2/NDF:35.6/40

Out: 0.000+/-0.000 χ^2/NDF:42.4/45

All: 0.000+/-0.000 χ^2/NDF: 79.4/86



Right In: 0.000+/-0.000 χ^2/NDF: 2470071.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2164620.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

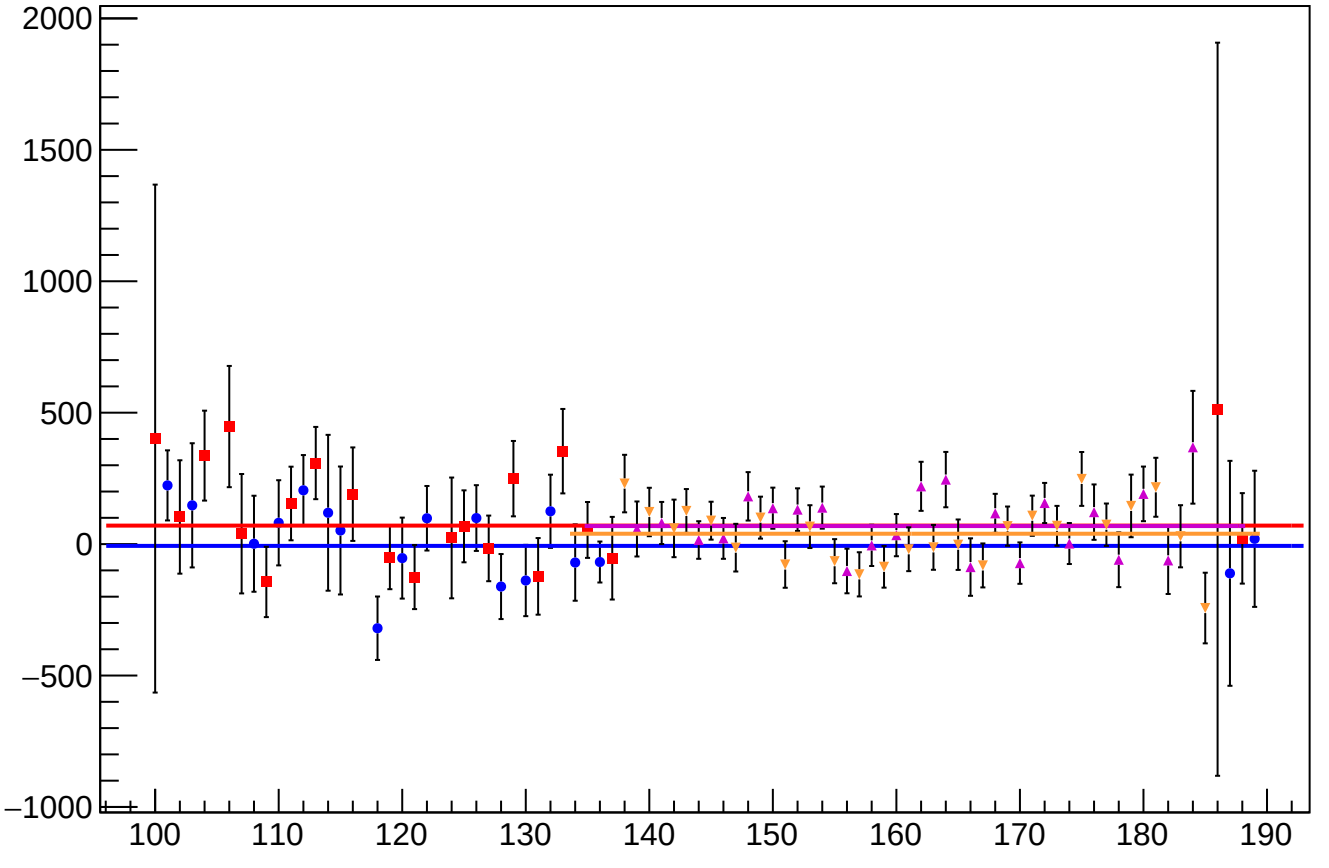
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 4863400.9/38

In: 0.000+/-0.000 χ^2/NDF:6225378.5/40

Out: 0.000+/-0.000 χ^2/NDF:7581452.2/45

All: 0.000+/-0.000 χ^2/NDF: 13831014.0/86



Right In: -6.757+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 70.406+/-34.178 χ^2/NDF: 23.0/20

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

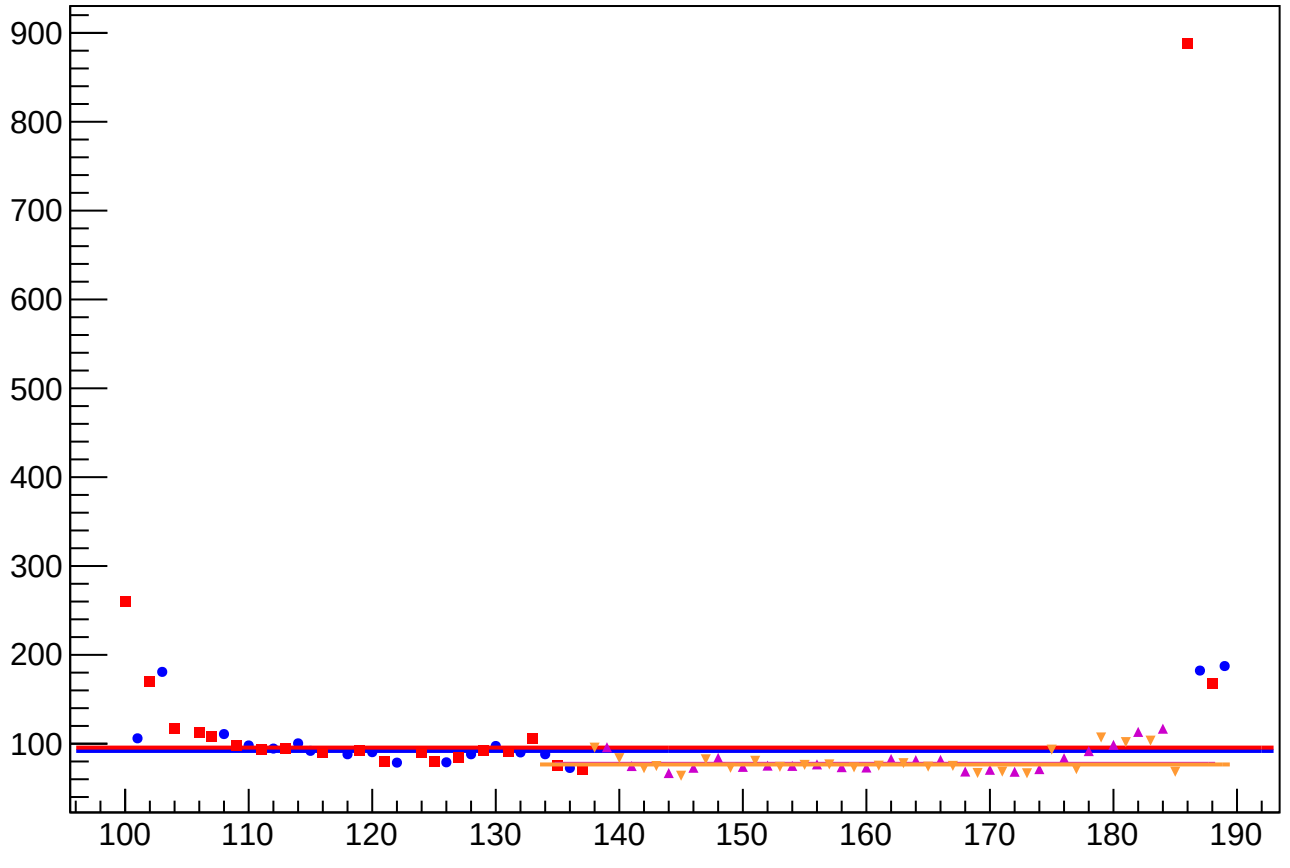
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 31.490+/-24.062 χ^2/NDF: 44.5/38

In: 51.573+/-16.113 χ^2/NDF:51.8/40

Out: 45.998+/-15.694 χ^2/NDF:55.6/45

All: 48.712+/-11.242 χ^2/NDF: 107.5/86



Right In: 91.859+/-0.024 χ^2/NDF: 868599.2/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 95.621+/-0.024 χ^2/NDF: 1559241.8/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

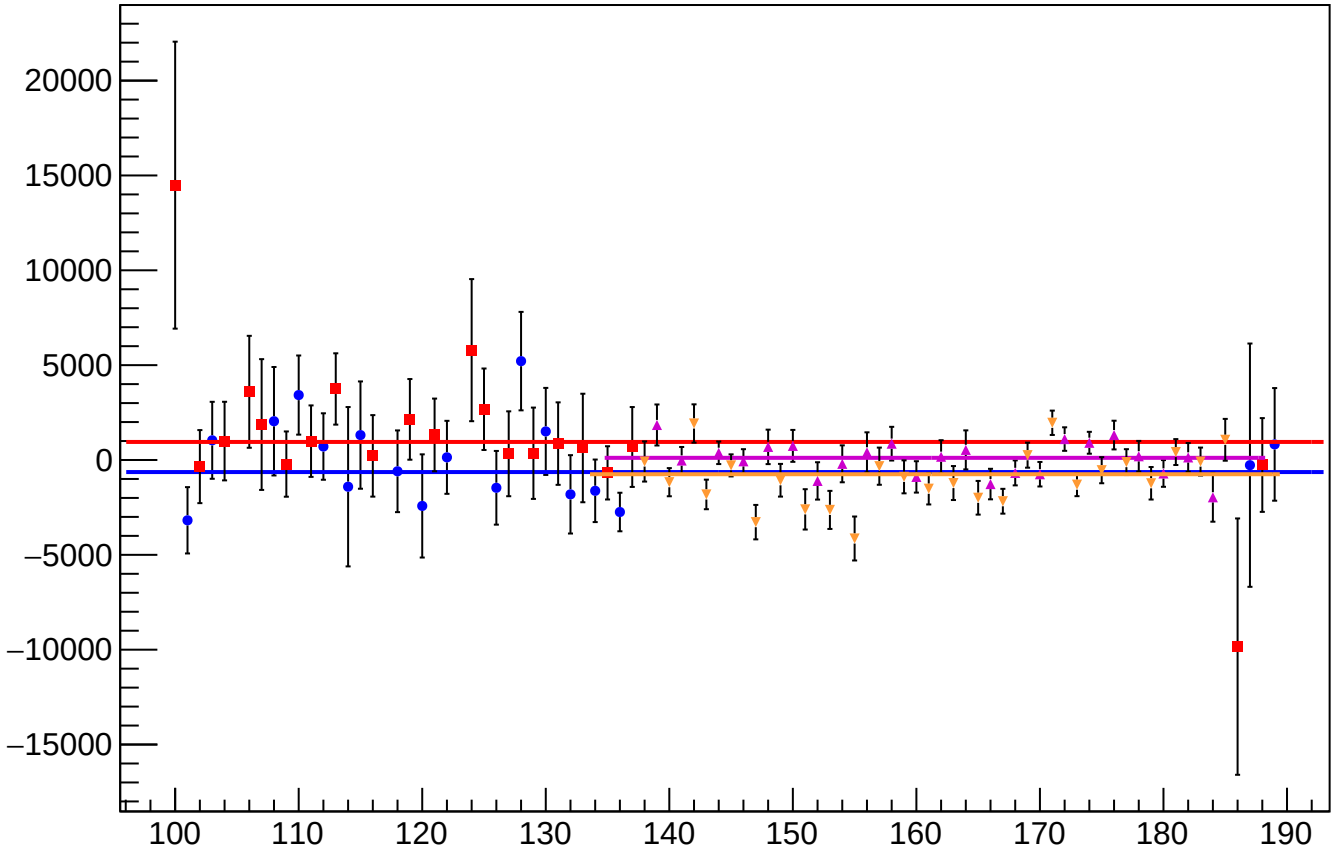
Right: 93.724+/-0.017 χ^2/NDF: 2440064.5/38

In: 80.630+/-0.011 χ^2/NDF:1742869.5/40

Out: 80.647+/-0.011 χ^2/NDF:2700335.7/45

All: 80.639+/-0.008 χ^2/NDF: 4443206.4/86

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -636.112+/-478.737 χ^2/NDF: 20.5/17

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 951.541+/-485.376 χ^2/NDF: 14.3/20

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

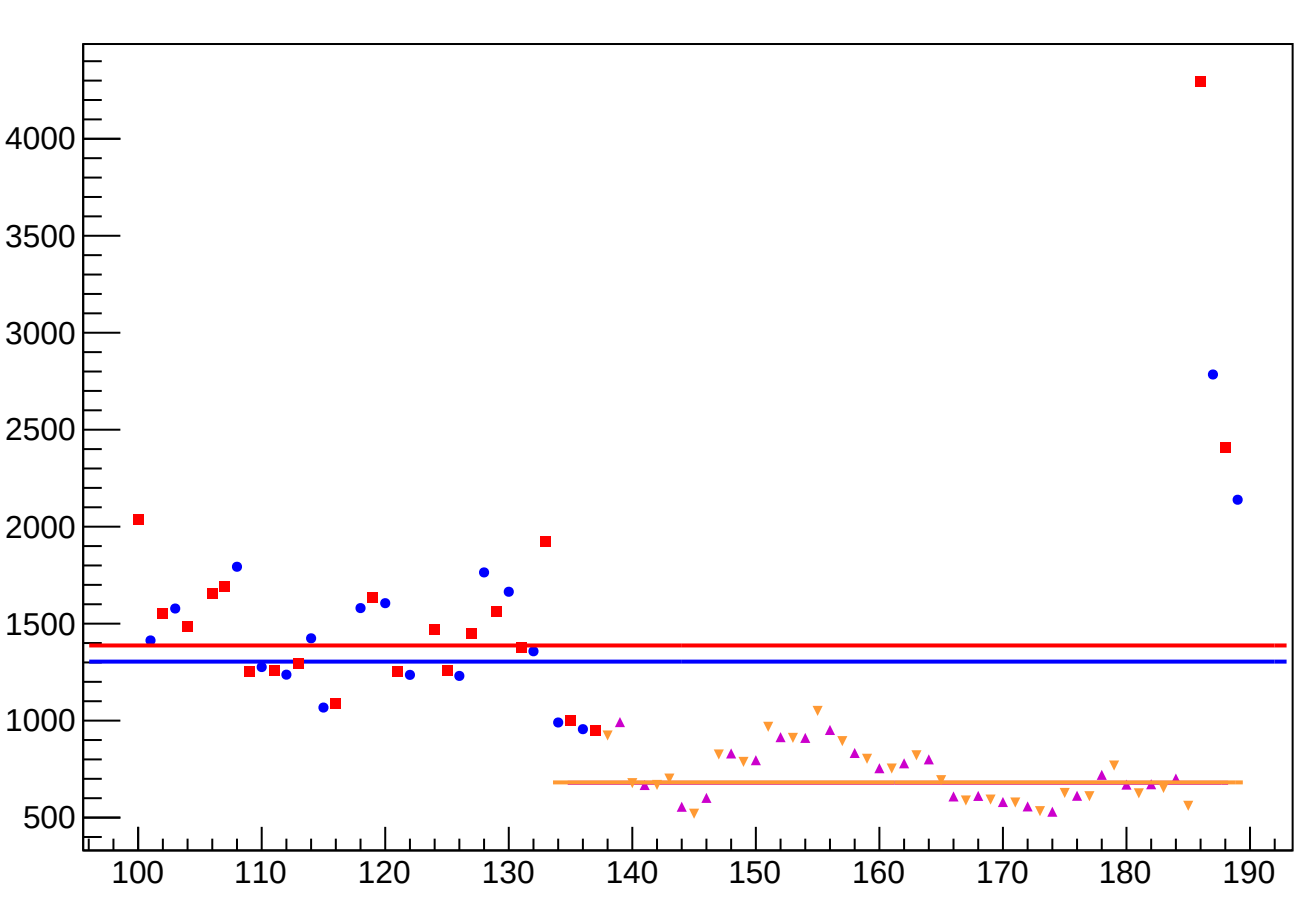
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 146.783+/-340.841 χ^2/NDF: 40.2/38

In: 36.914+/-153.290 χ^2/NDF:47.8/40

Out: -586.497+/-150.310 χ^2/NDF:95.4/45

All: -280.910+/-107.323 χ^2/NDF: 151.6/86



Right In: 1304.256+/-0.339 χ^2/NDF: 870280.4/17

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1387.495+/-0.343 χ^2/NDF: 1207547.0/20

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

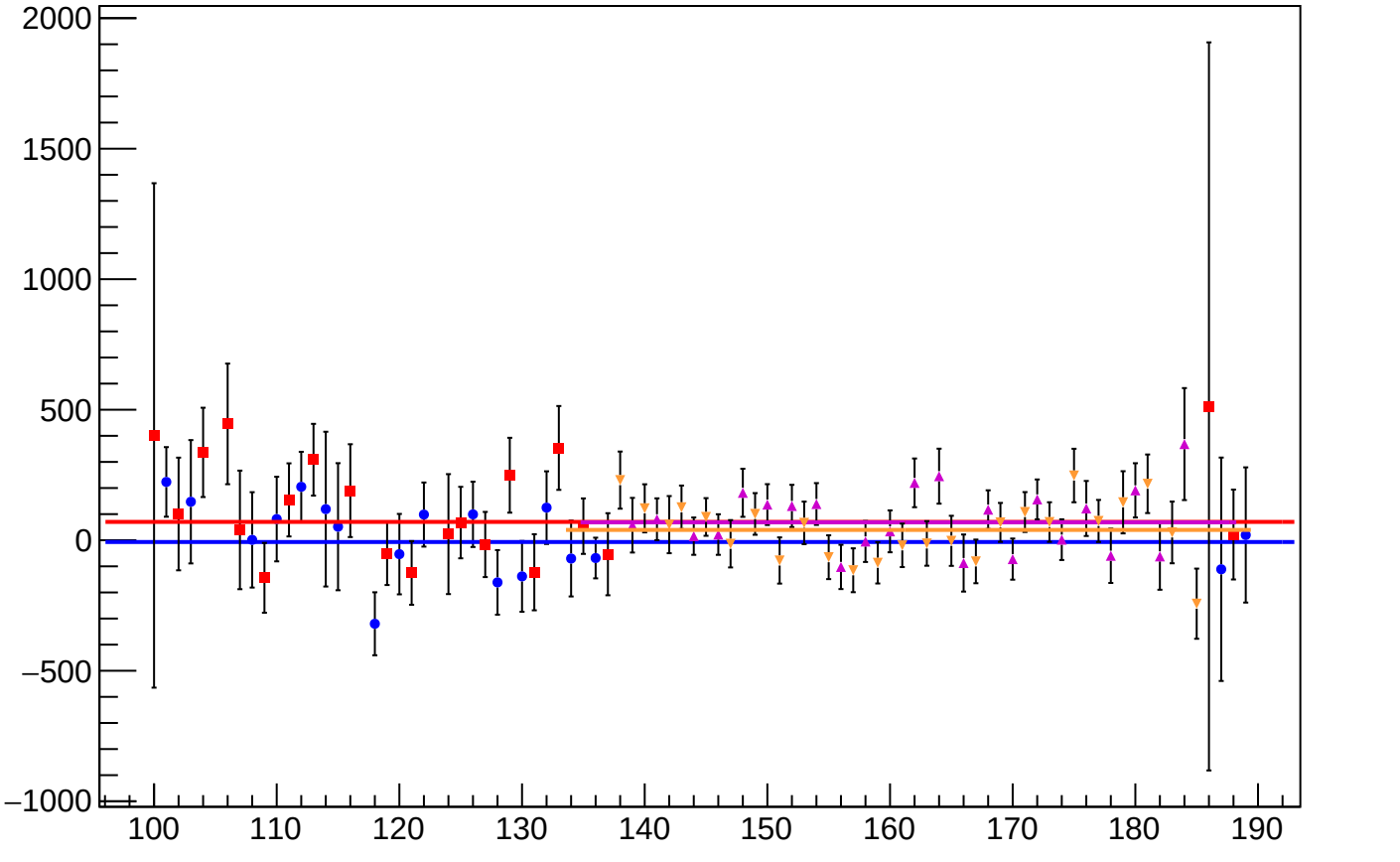
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1345.303+/-0.241 χ^2/NDF: 2107642.2/38

In: 743.476+/-0.108 χ^2/NDF:5113278.4/40

Out: 749.139+/-0.106 χ^2/NDF:6368096.1/45

All: 746.363+/-0.076 χ^2/NDF: 11482765.9/86



Right In: -6.766+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 70.268+/-34.180 χ^2/NDF: 22.9/20

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

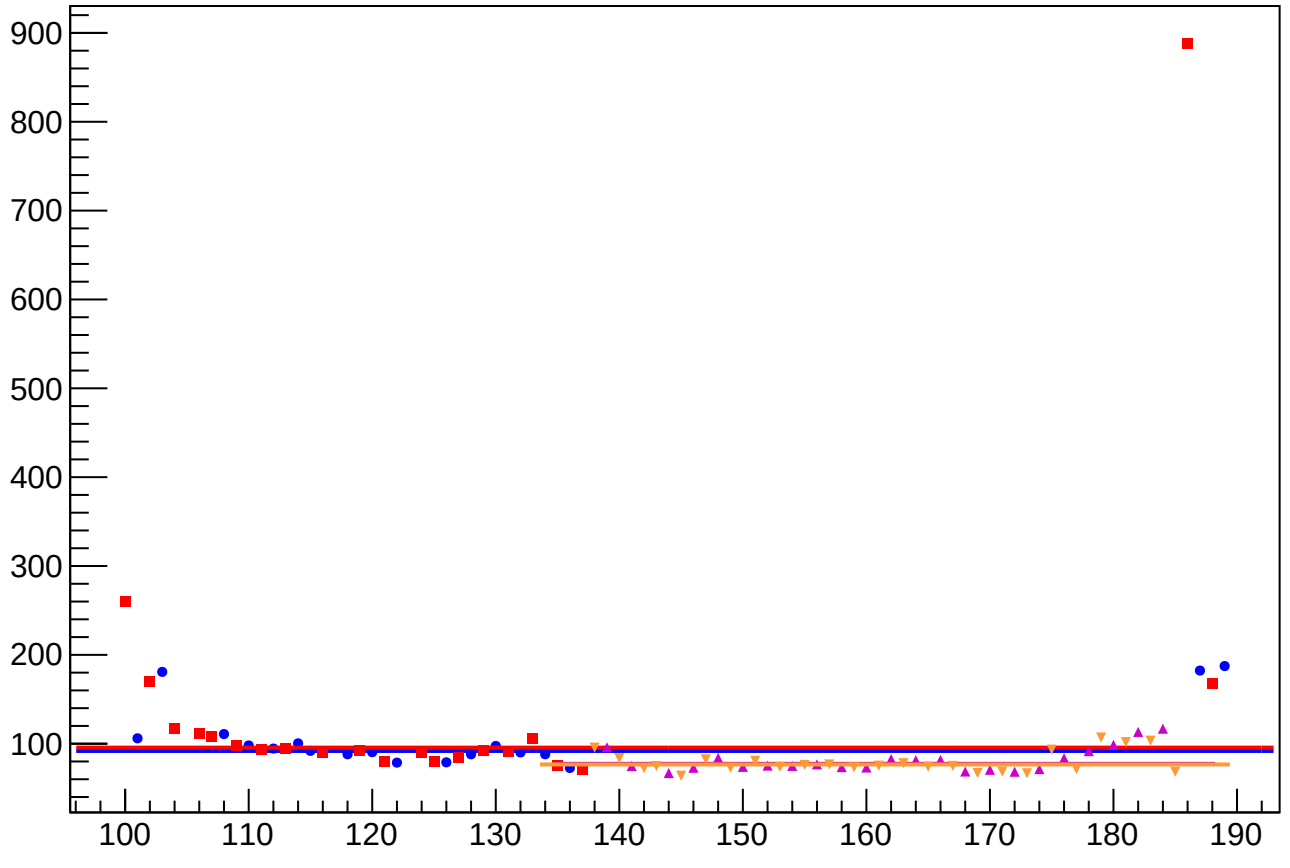
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 31.415+/-24.063 χ^2/NDF: 44.5/38

In: 51.571+/-16.113 χ^2/NDF:51.8/40

Out: 45.974+/-15.694 χ^2/NDF:55.5/45

All: 48.699+/-11.243 χ^2/NDF: 107.4/86



Right In: 91.859+/-0.024 χ^2/NDF: 868602.8/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 95.591+/-0.024 χ^2/NDF: 1557835.6/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

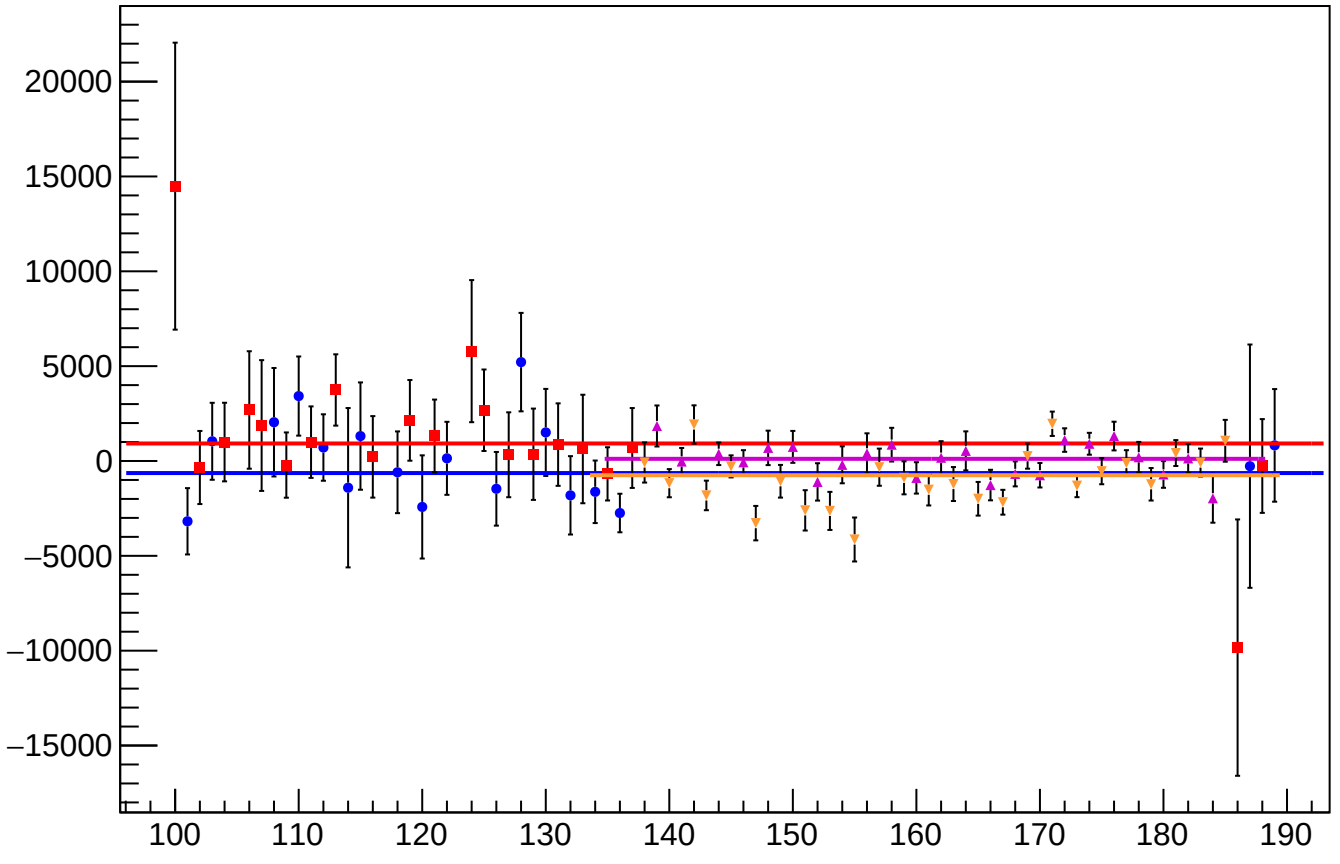
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 93.709+/-0.017 χ^2/NDF: 2438466.2/38

In: 80.630+/-0.011 χ^2/NDF:1742873.1/40

Out: 80.640+/-0.011 χ^2/NDF:2697344.0/45

All: 80.635+/-0.008 χ^2/NDF: 4440217.5/86



Right In: -636.075+/-478.739 χ^2/NDF: 20.5/17

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 923.184+/-486.000 χ^2/NDF: 13.8/20

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

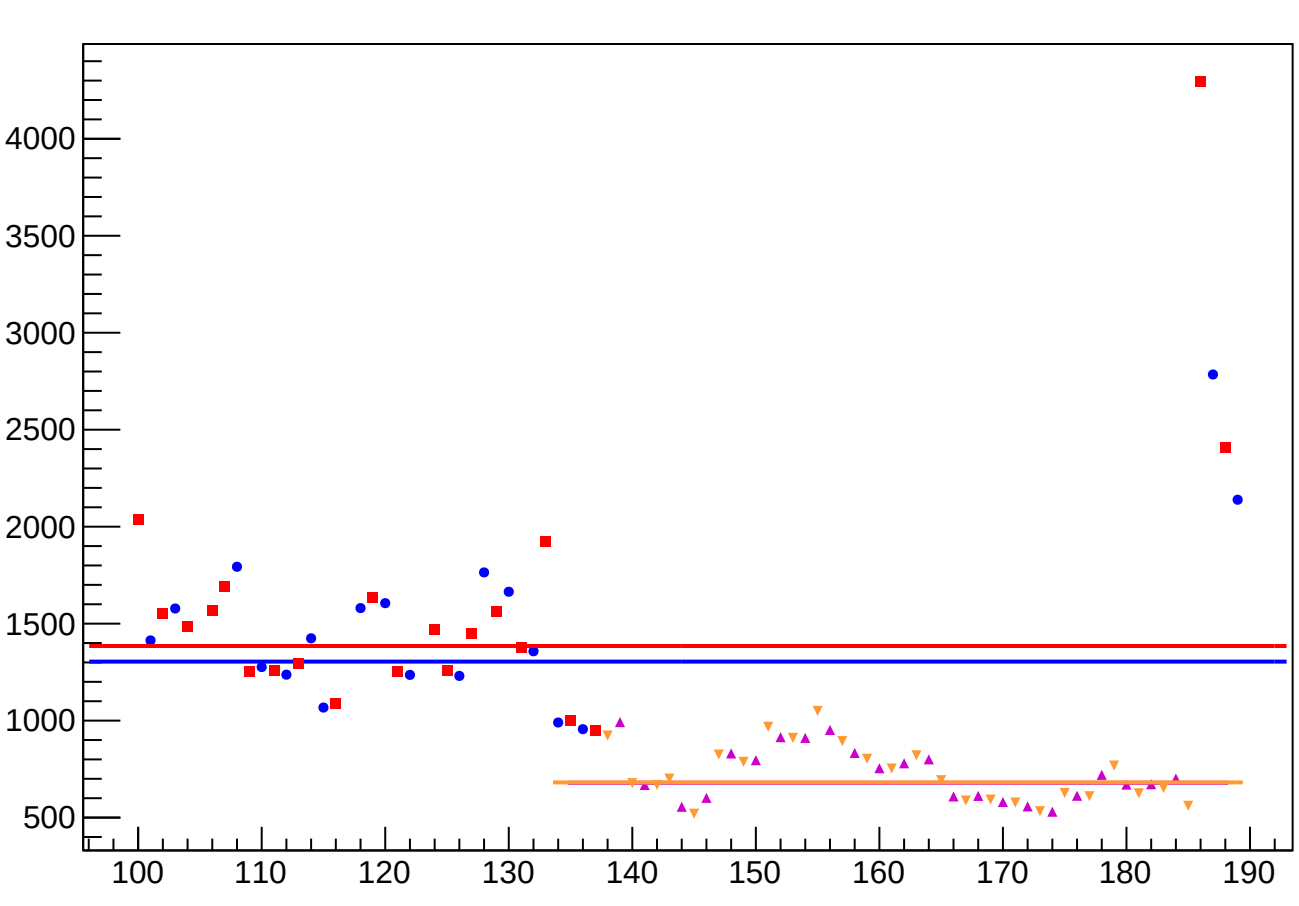
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 131.819+/-341.058 χ^2/NDF: 39.5/38

In: 36.918+/-153.290 χ^2/NDF:47.8/40

Out: -589.581+/-150.328 χ^2/NDF:94.5/45

All: -282.442+/-107.330 χ^2/NDF: 150.8/86



Right In: 1304.260+/-0.339 χ^2/NDF: 870306.1/17

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1384.751+/-0.344 χ^2/NDF: 1198044.8/20

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

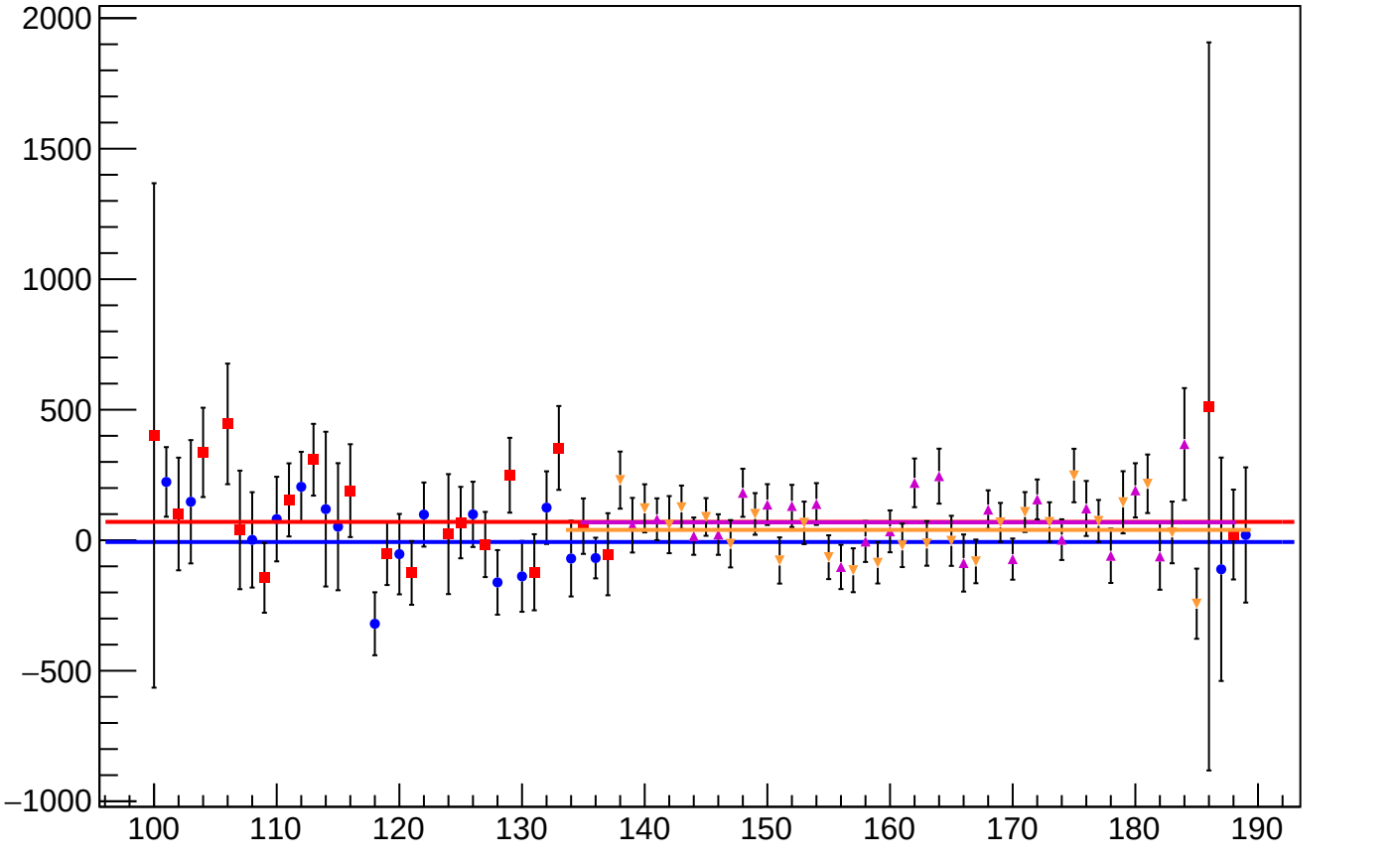
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1343.900+/-0.241 χ^2/NDF: 2096193.7/38

In: 743.476+/-0.108 χ^2/NDF:5113313.0/40

Out: 748.719+/-0.106 χ^2/NDF:6320103.4/45

All: 746.149+/-0.076 χ^2/NDF: 11434608.9/86



Right In: -6.766+/-33.883 χ^2/NDF: 19.0/17

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 70.268+/-34.180 χ^2/NDF: 22.9/20

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

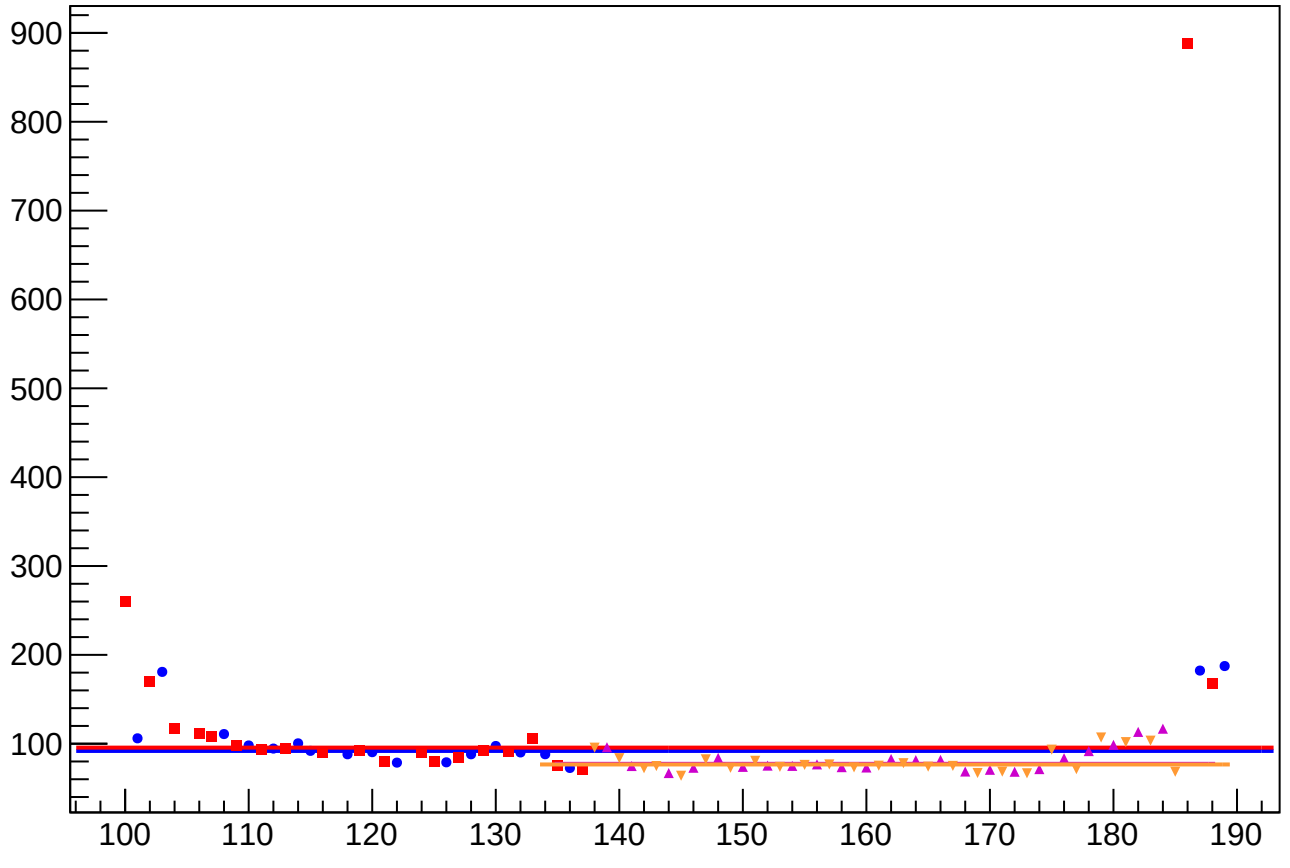
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 31.415+/-24.063 χ^2/NDF: 44.5/38

In: 51.571+/-16.113 χ^2/NDF:51.8/40

Out: 45.974+/-15.694 χ^2/NDF:55.5/45

All: 48.699+/-11.243 χ^2/NDF: 107.4/86



Right In: 91.859+/-0.024 χ^2/NDF: 868602.8/17

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 95.591+/-0.024 χ^2/NDF: 1557835.6/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

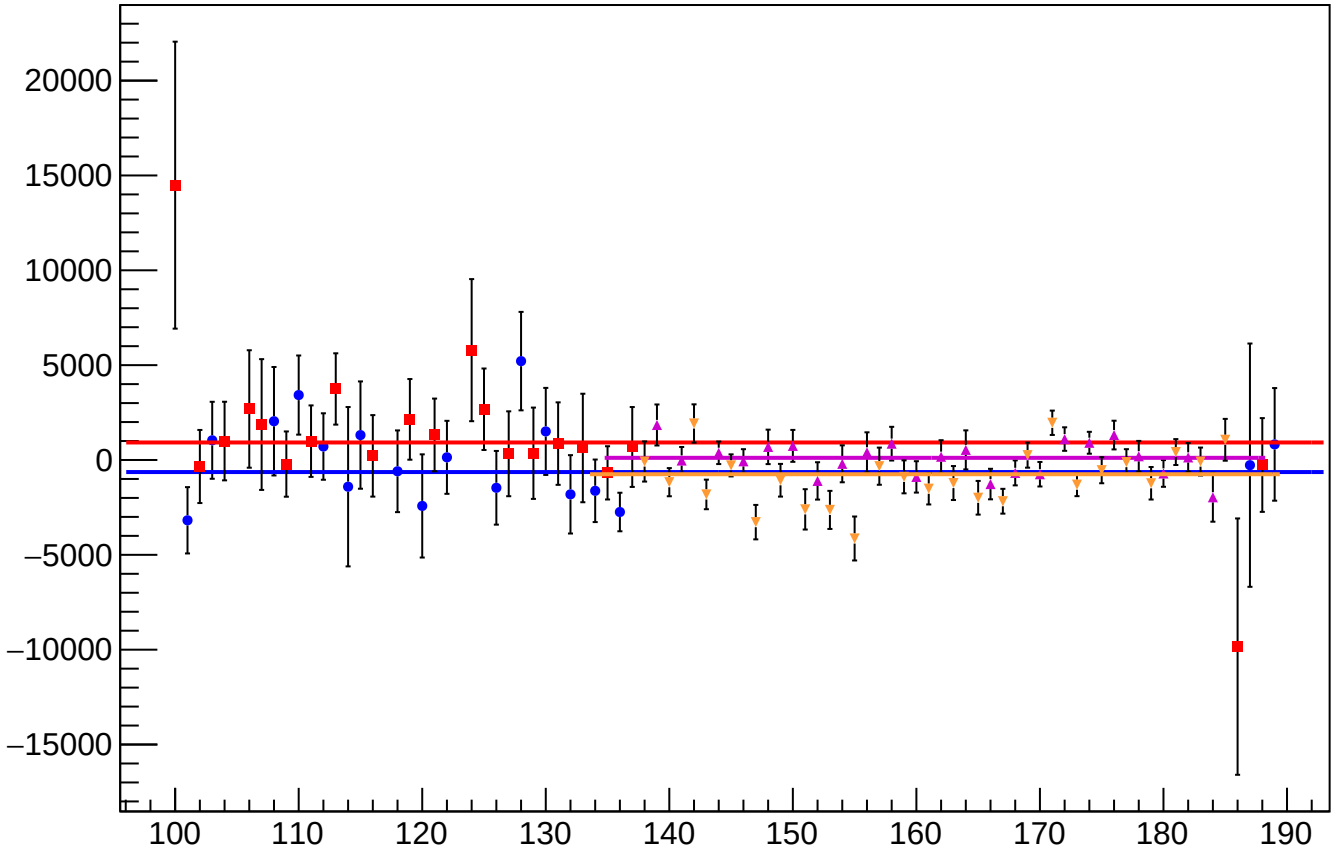
Right: 93.709+/-0.017 χ^2/NDF: 2438466.2/38

In: 80.630+/-0.011 χ^2/NDF:1742873.1/40

Out: 80.640+/-0.011 χ^2/NDF:2697344.0/45

All: 80.635+/-0.008 χ^2/NDF: 4440217.5/86

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -636.075+/-478.739 χ^2/NDF: 20.5/17

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 923.184+/-486.000 χ^2/NDF: 13.8/20

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

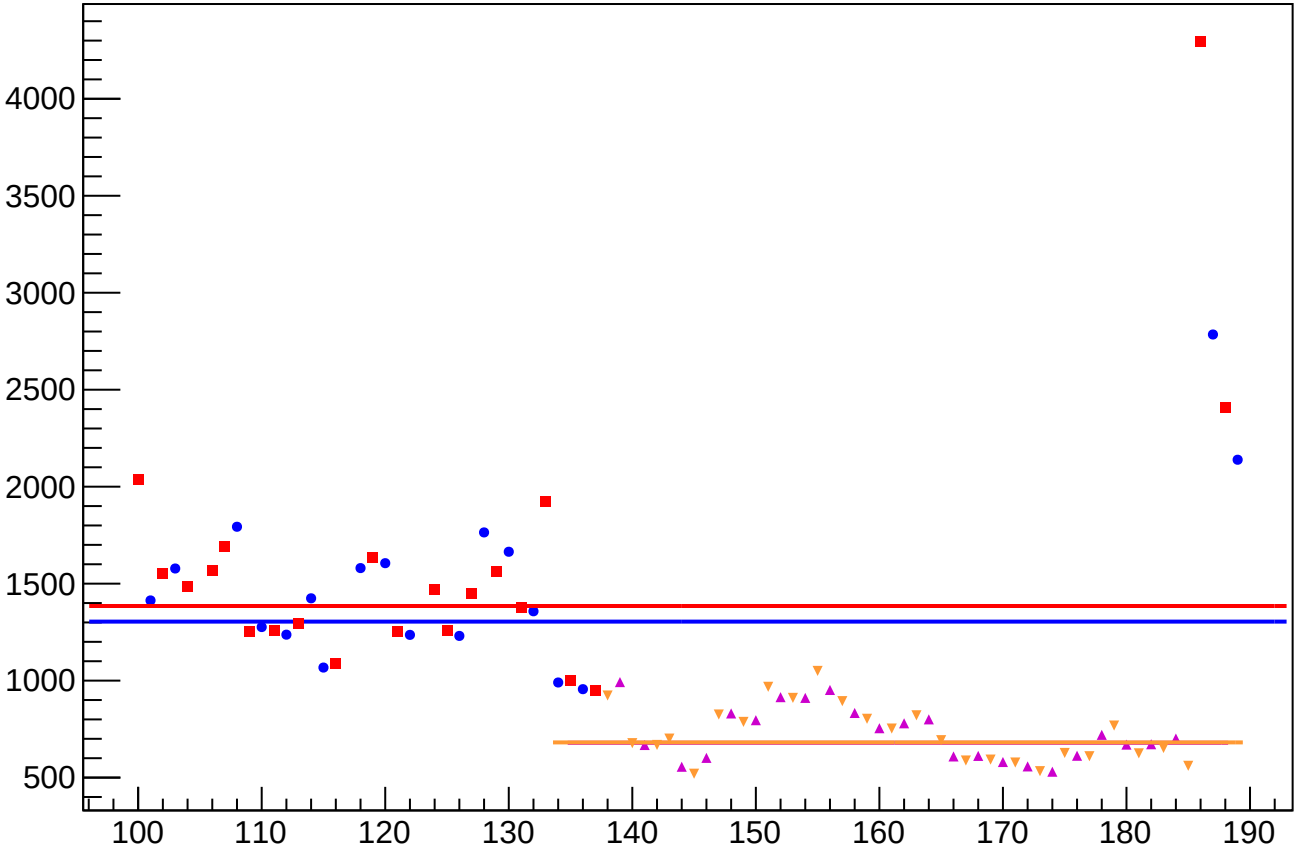
Right: 131.819+/-341.058 χ^2/NDF: 39.5/38

In: 36.918+/-153.290 χ^2/NDF:47.8/40

Out: -589.581+/-150.328 χ^2/NDF:94.5/45

All: -282.442+/-107.330 χ^2/NDF: 150.8/86

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1304.260+/-0.339 χ^2/NDF: 870306.1/17

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1384.751+/-0.344 χ^2/NDF: 1198044.8/20

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

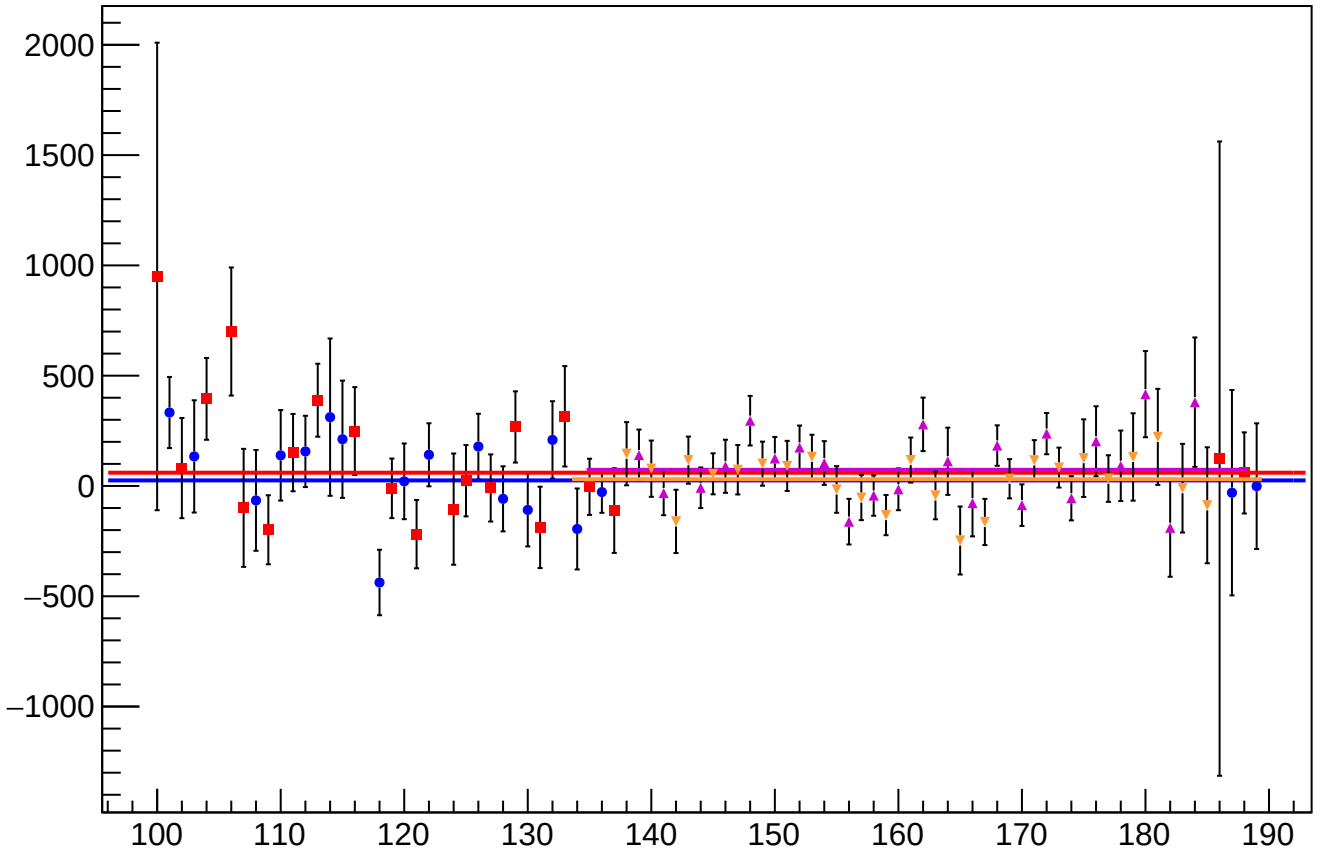
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1343.900+/-0.241 χ^2/NDF: 2096193.7/38

In: 743.476+/-0.108 χ^2/NDF:5113313.0/40

Out: 748.719+/-0.106 χ^2/NDF:6320103.4/45

All: 746.149+/-0.076 χ^2/NDF: 11434608.9/86



Right In: 25.264+/-40.639 χ^2/NDF: 21.4/17

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 60.124+/-40.492 χ^2/NDF: 27.0/20

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

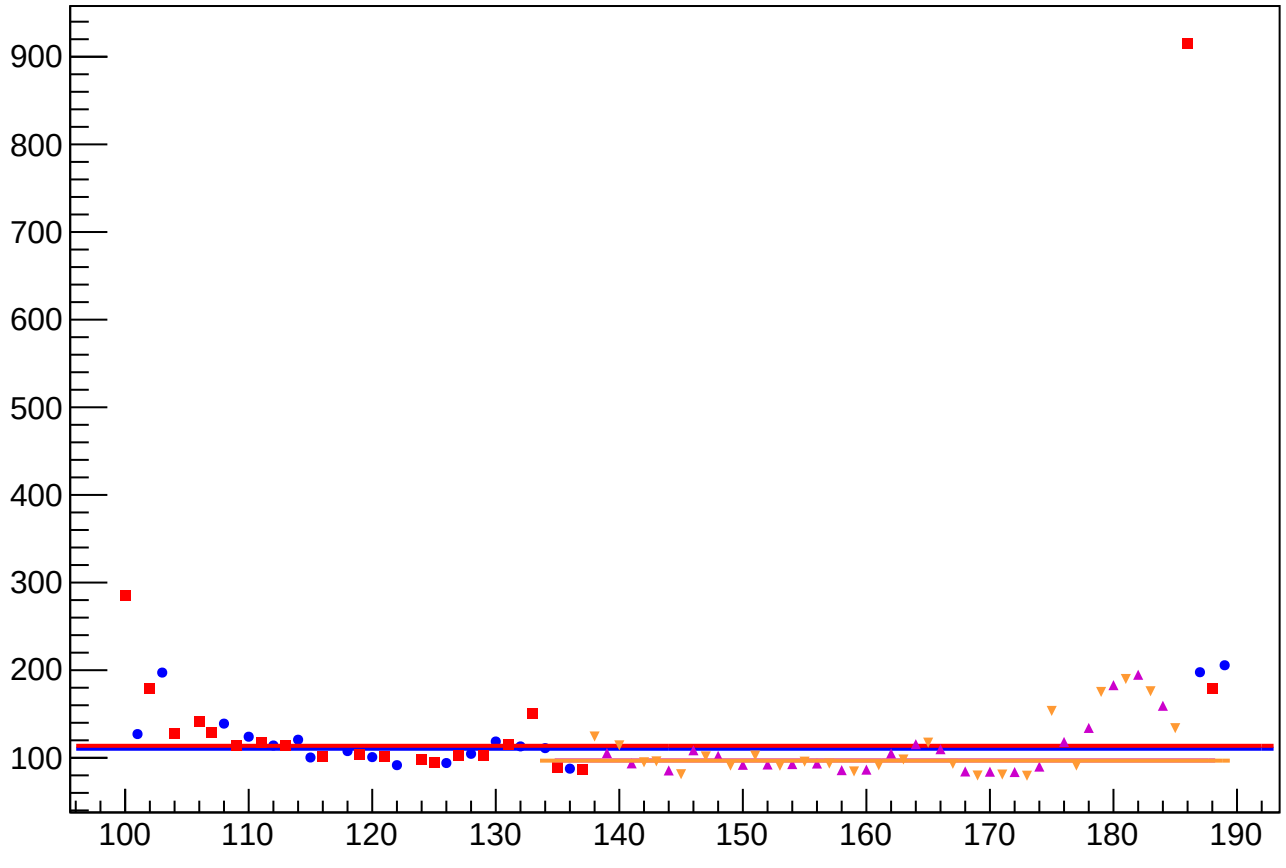
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 42.757+/-28.684 χ^2/NDF: 48.8/38

In: 61.140+/-20.350 χ^2/NDF:56.9/40

Out: 37.797+/-19.904 χ^2/NDF:47.3/45

All: 49.210+/-14.229 χ^2/NDF: 104.9/86



Right In: 110.359+/-0.029 χ^2/NDF: 785722.3/17

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 113.745+/-0.029 χ^2/NDF: 1384761.7/20

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

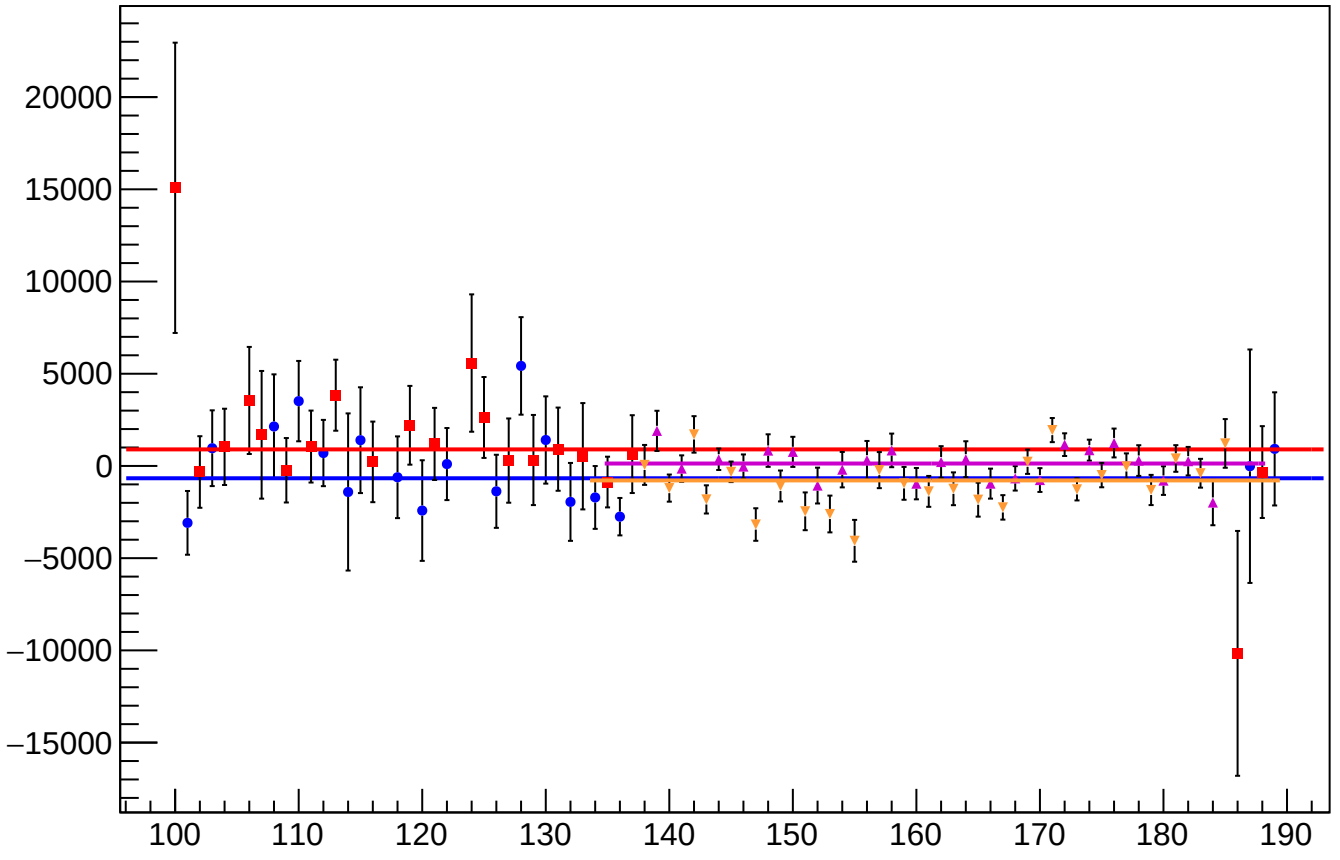
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 112.058+/-0.020 χ^2/NDF: 2177451.2/38

In: 100.362+/-0.014 χ^2/NDF:2268437.8/40

Out: 100.890+/-0.014 χ^2/NDF:3370982.6/45

All: 100.632+/-0.010 χ^2/NDF: 5640107.9/86



Right In: -667.736+/-485.561 χ^2/NDF: 20.4/17

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 897.621+/-490.166 χ^2/NDF: 14.8/20

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

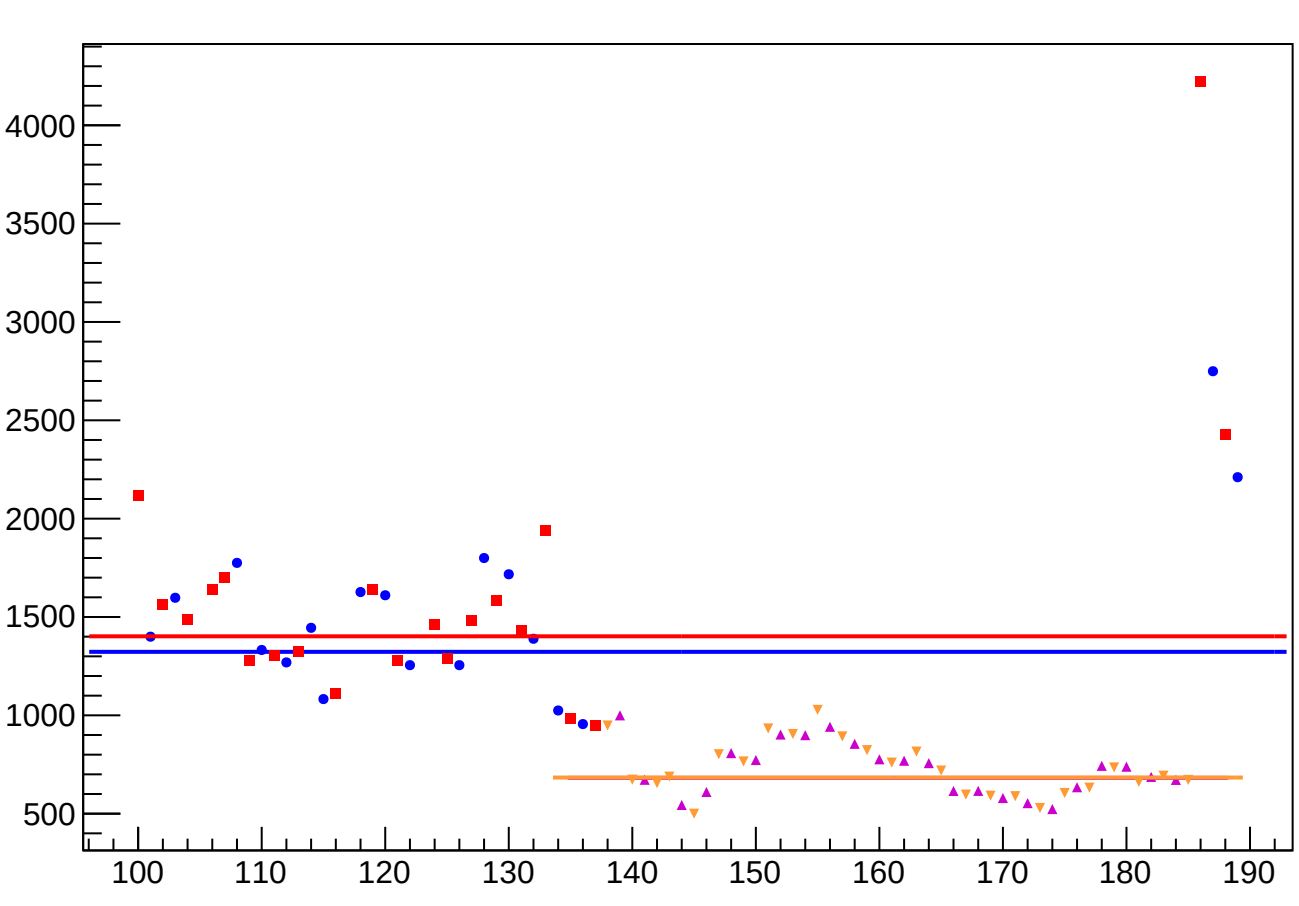
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 107.556+/-344.960 χ^2/NDF: 40.4/38

In: 50.974+/-154.022 χ^2/NDF:47.1/40

Out: -624.902+/-150.664 χ^2/NDF:91.8/45

All: -294.413+/-107.703 χ^2/NDF: 148.8/86



Right In: 1322.848+/-0.343 χ^2/NDF: 888342.8/17

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1401.763+/-0.347 χ^2/NDF: 1217250.5/20

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

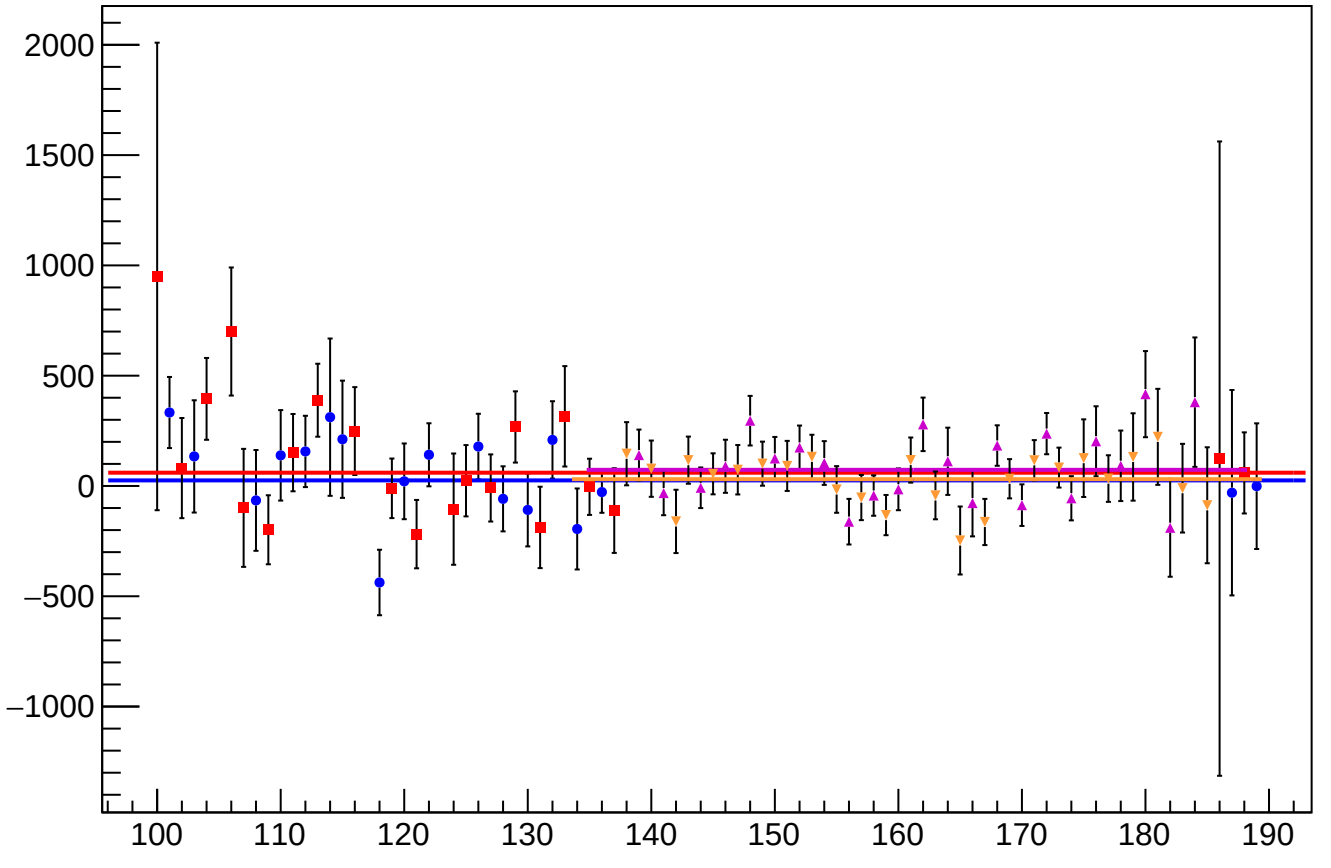
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1361.933+/-0.244 χ^2/NDF: 2131757.4/38

In: 746.447+/-0.109 χ^2/NDF:5208112.5/40

Out: 751.539+/-0.107 χ^2/NDF:6401823.6/45

All: 749.049+/-0.076 χ^2/NDF: 11611053.6/86



Right In: 25.265+/-40.639 χ^2/NDF: 21.4/17

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 60.122+/-40.492 χ^2/NDF: 27.0/20

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

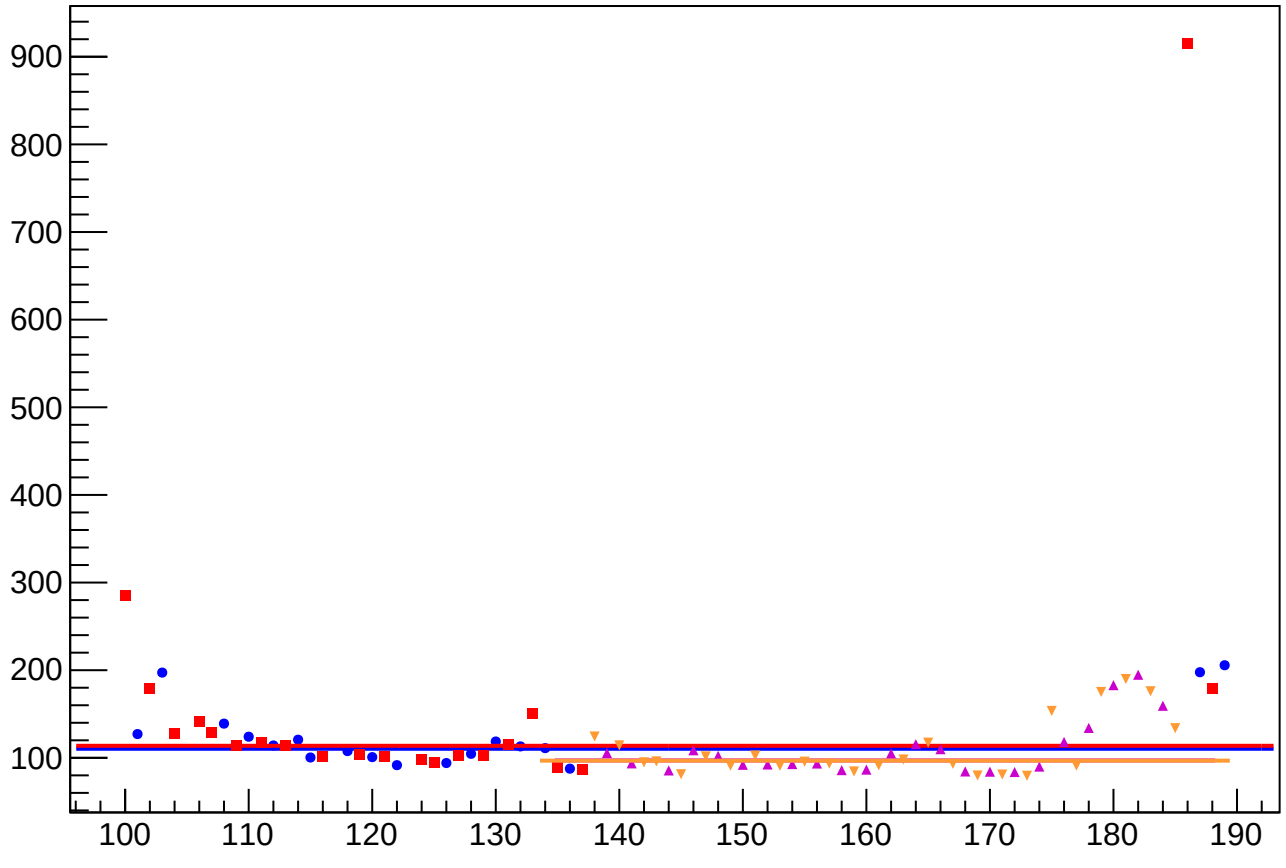
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 42.757+/-28.684 χ^2/NDF: 48.8/38

In: 61.140+/-20.350 χ^2/NDF:56.9/40

Out: 37.798+/-19.904 χ^2/NDF:47.3/45

All: 49.210+/-14.229 χ^2/NDF: 104.9/86



Right In: 110.358+/-0.029 χ^2/NDF: 785714.1/17

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 113.745+/-0.029 χ^2/NDF: 1384766.3/20

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

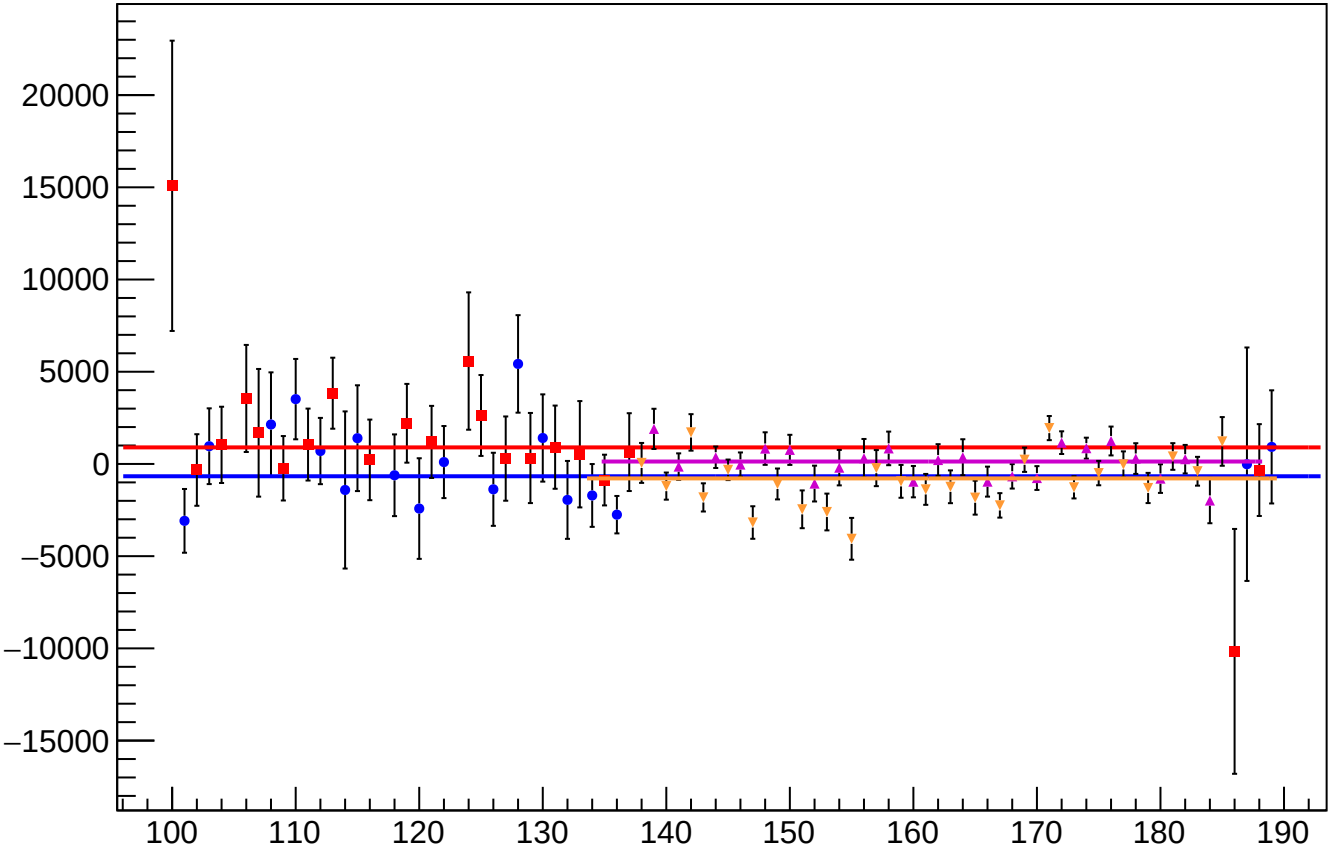
Right: 112.058+/-0.020 χ^2/NDF: 2177448.0/38

In: 100.362+/-0.014 χ^2/NDF:2268388.9/40

Out: 100.890+/-0.014 χ^2/NDF:3370959.7/45

All: 100.632+/-0.010 χ^2/NDF: 5640036.1/86

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -667.731+/-485.560 χ^2/NDF: 20.4/17

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 897.620+/-490.165 χ^2/NDF: 14.8/20

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

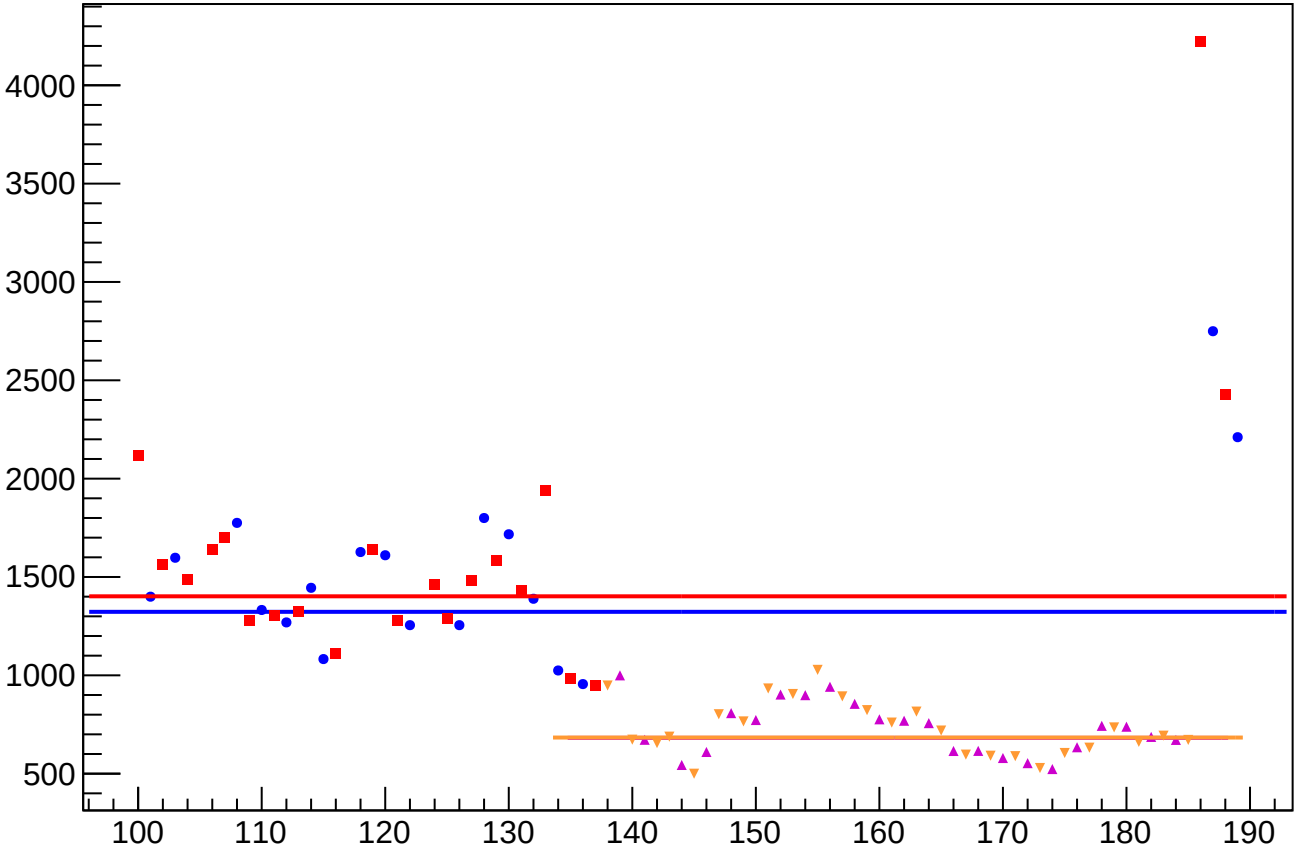
Right: 107.558+/-344.959 χ^2/NDF: 40.4/38

In: 50.974+/-154.022 χ^2/NDF:47.1/40

Out: -624.901+/-150.664 χ^2/NDF:91.8/45

All: -294.412+/-107.703 χ^2/NDF: 148.8/86

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1322.845+/-0.343 χ^2/NDF: 888341.2/17

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1401.760+/-0.347 χ^2/NDF: 1217251.0/20

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

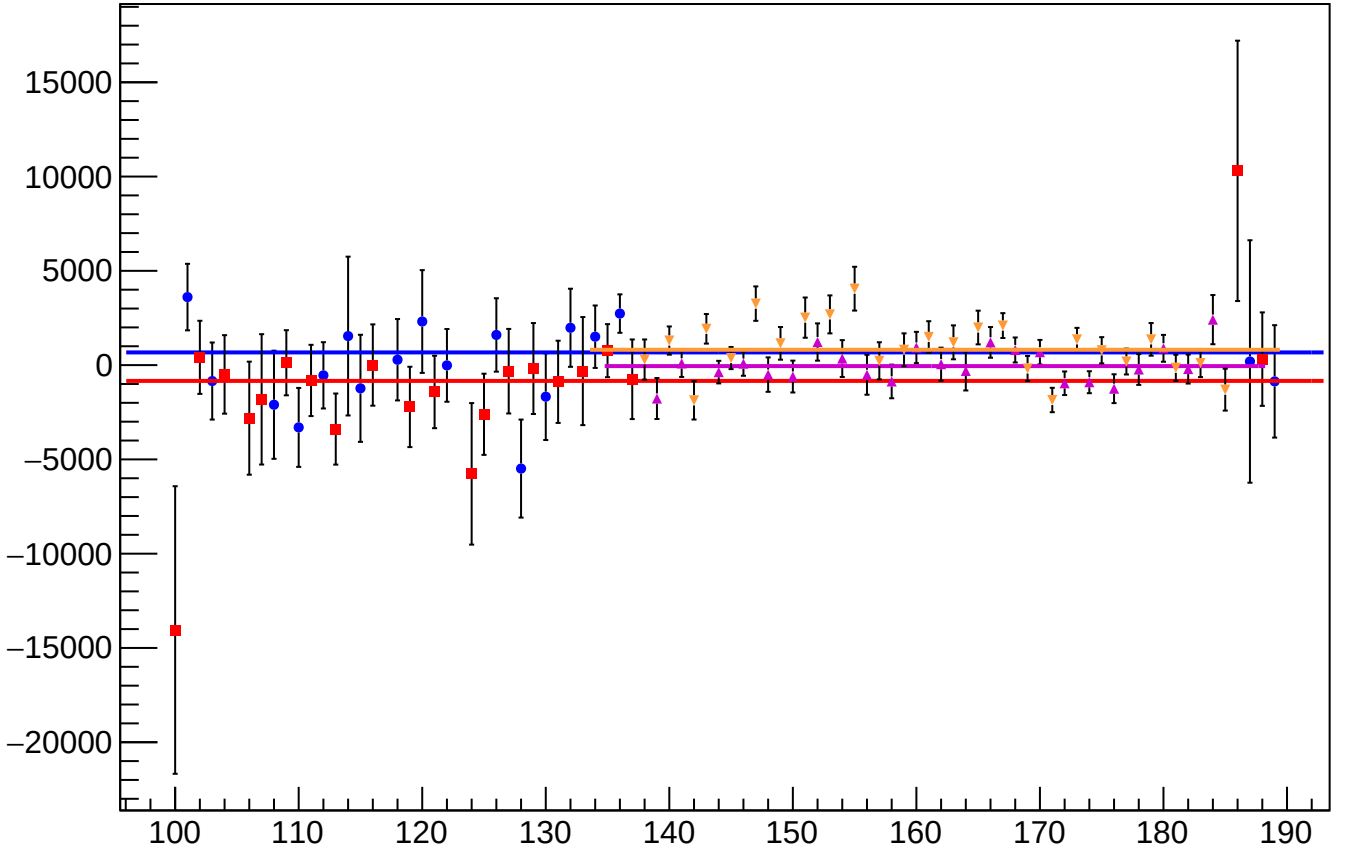
Right: 1361.930+/-0.244 χ^2/NDF: 2131756.2/38

In: 746.445+/-0.109 χ^2/NDF:5208112.8/40

Out: 751.538+/-0.107 χ^2/NDF:6401829.3/45

All: 749.047+/-0.076 χ^2/NDF: 11611059.5/86

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 673.619+/-480.472 χ^2/NDF: 21.2/17

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -837.654+/-487.073 χ^2/NDF: 13.5/20

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

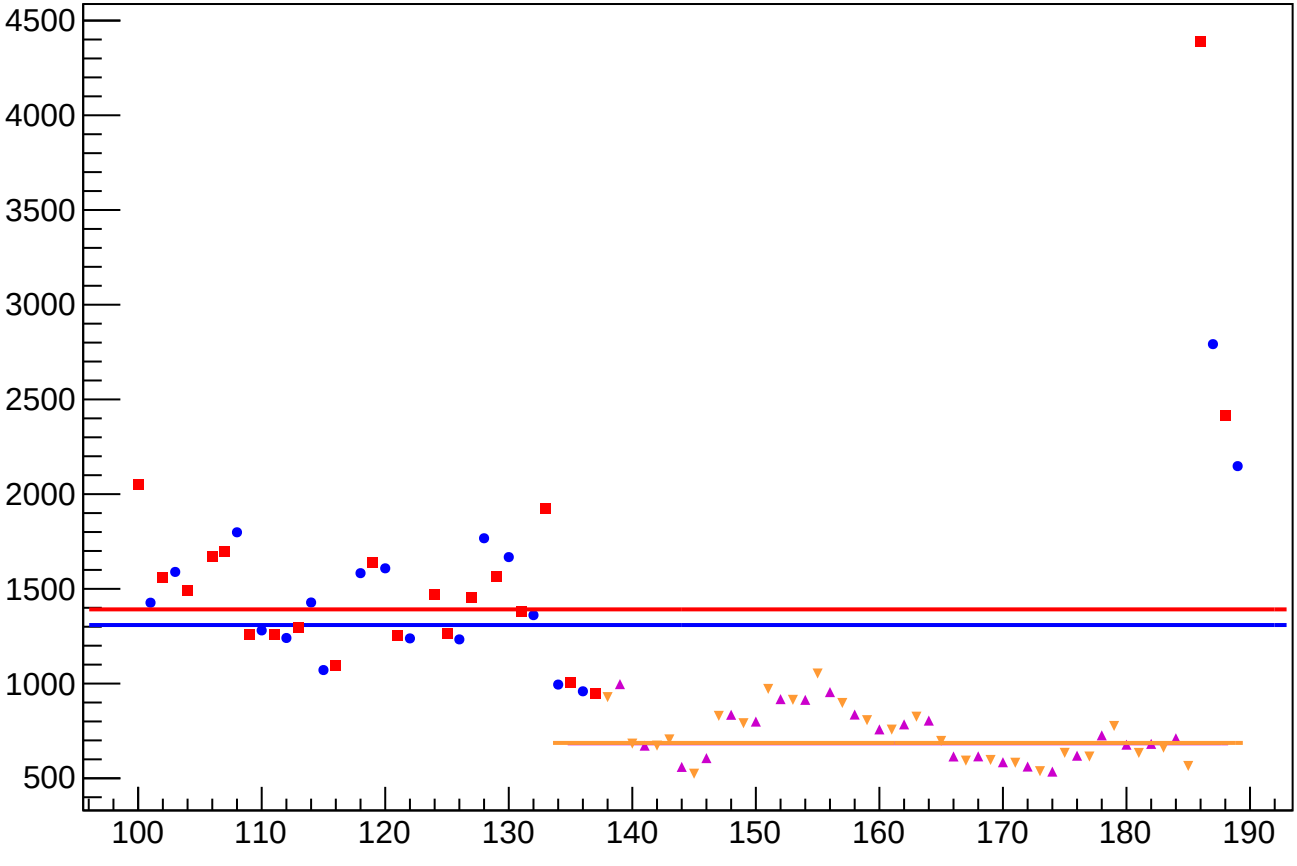
Right: -71.708+/-342.055 χ^2/NDF: 39.6/38

In: 22.662+/-154.390 χ^2/NDF:48.7/40

Out: 654.542+/-151.370 χ^2/NDF:89.6/45

All: 344.841+/-108.087 χ^2/NDF: 146.8/86

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1309.033+/-0.340 χ^2/NDF: 870516.5/17

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1391.663+/-0.344 χ^2/NDF: 1215315.0/20

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

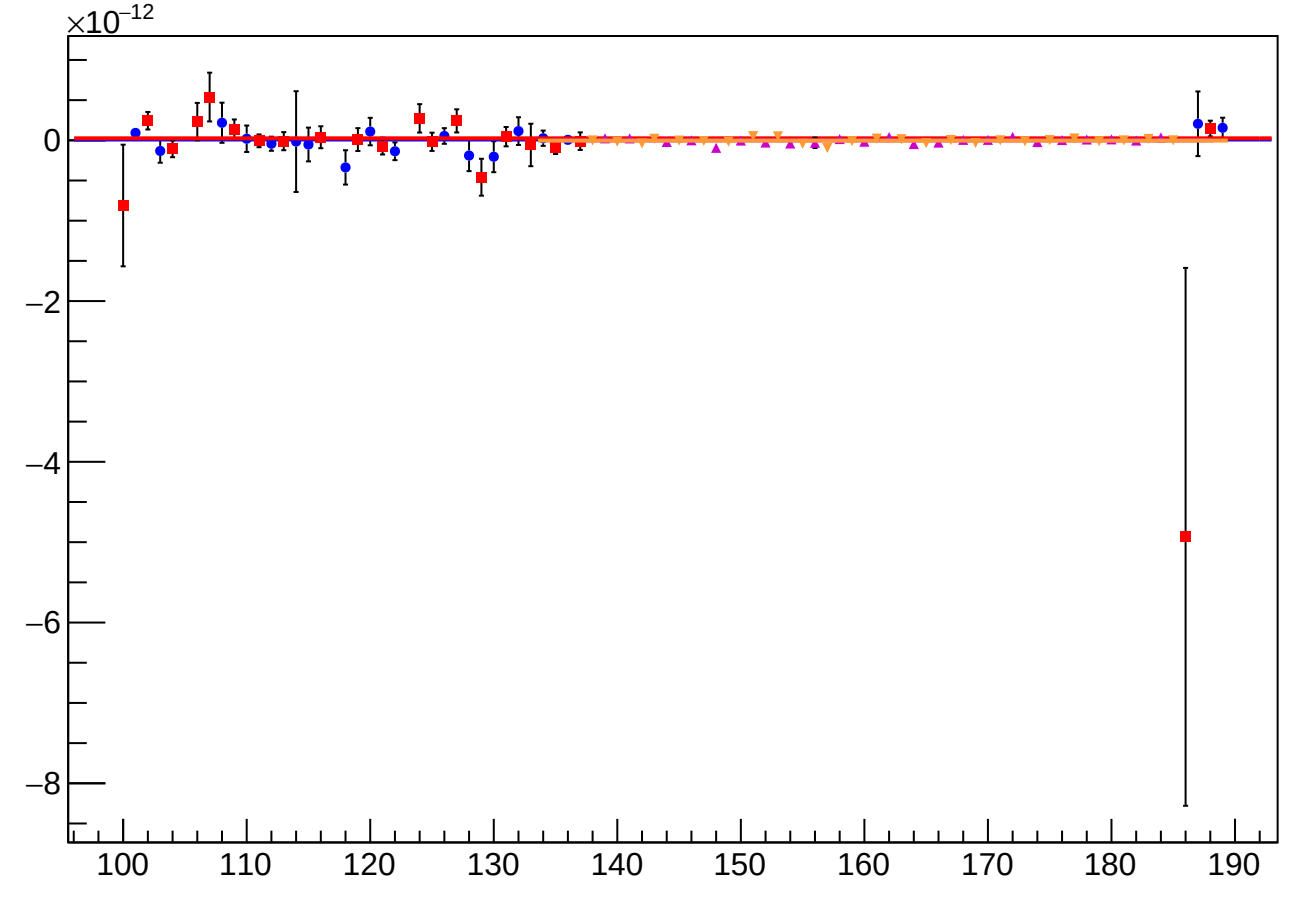
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1349.784+/-0.242 χ^2/NDF: 2115004.4/38

In: 749.221+/-0.109 χ^2/NDF:5063391.5/40

Out: 754.786+/-0.107 χ^2/NDF:6312534.1/45

All: 752.058+/-0.076 χ^2/NDF: 11377250.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/20

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

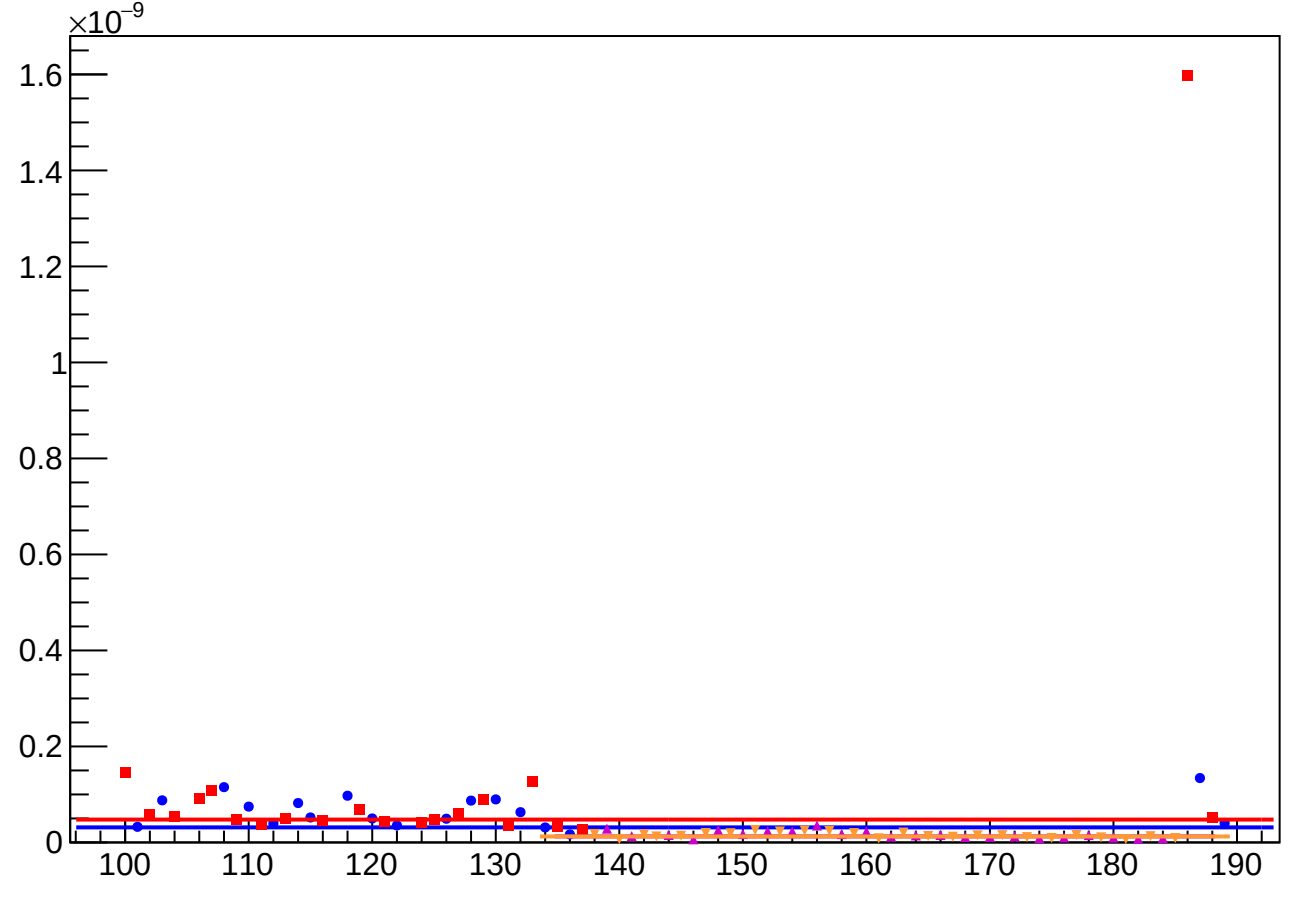
Left: -0.000+/-0.000 χ^2/NDF: 37.1/47

Right: 0.000+/-0.000 χ^2/NDF: 41.1/38

In: 0.000+/-0.000 χ^2/NDF:34.0/40

Out: -0.000+/-0.000 χ^2/NDF:45.2/45

All: -0.000+/-0.000 χ^2/NDF: 79.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 2054911.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1155304.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

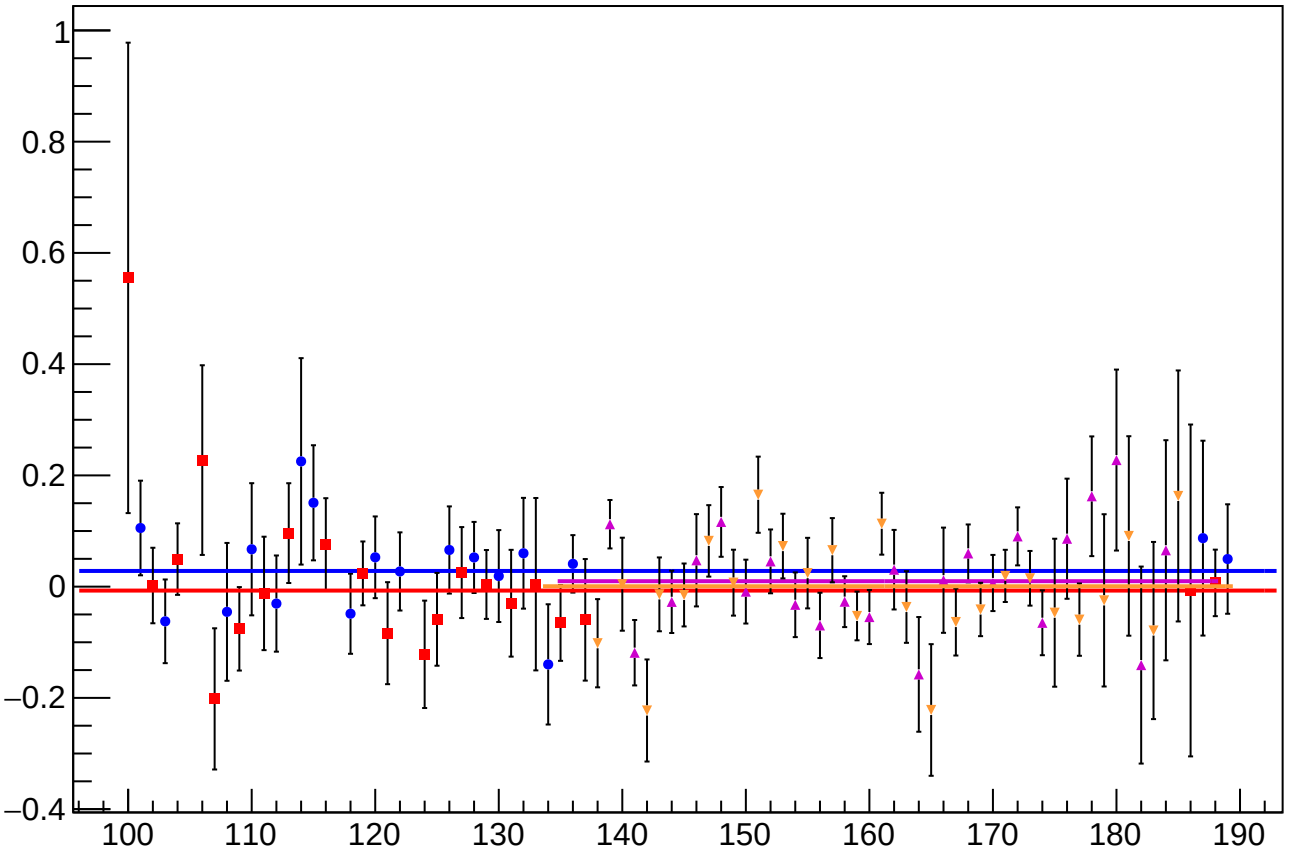
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 3648778.8/38

In: 0.000+/-0.000 χ^2/NDF:5485942.7/40

Out: 0.000+/-0.000 χ^2/NDF:6063617.8/45

All: 0.000+/-0.000 χ^2/NDF: 11549743.5/86



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

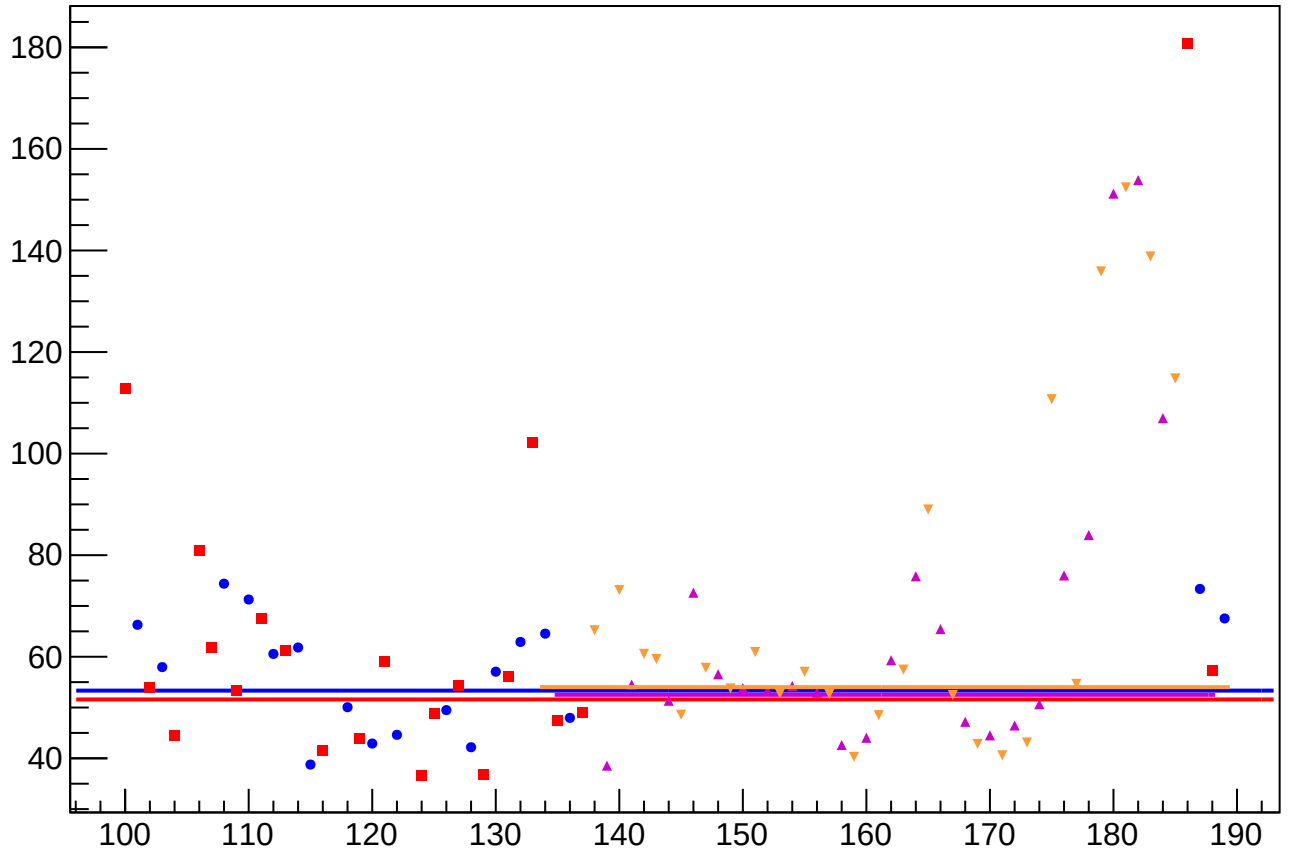
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.009+/-0.014 χ^2/NDF: 25.8/38

In: 0.015+/-0.011 χ^2/NDF:42.6/40

Out: -0.002+/-0.011 χ^2/NDF:45.8/45

All: 0.007+/-0.008 χ^2/NDF: 89.7/86



Right In: 53.333+/-0.014 χ^2/NDF: 489563.2/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 51.588+/-0.013 χ^2/NDF: 1077308.6/20

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

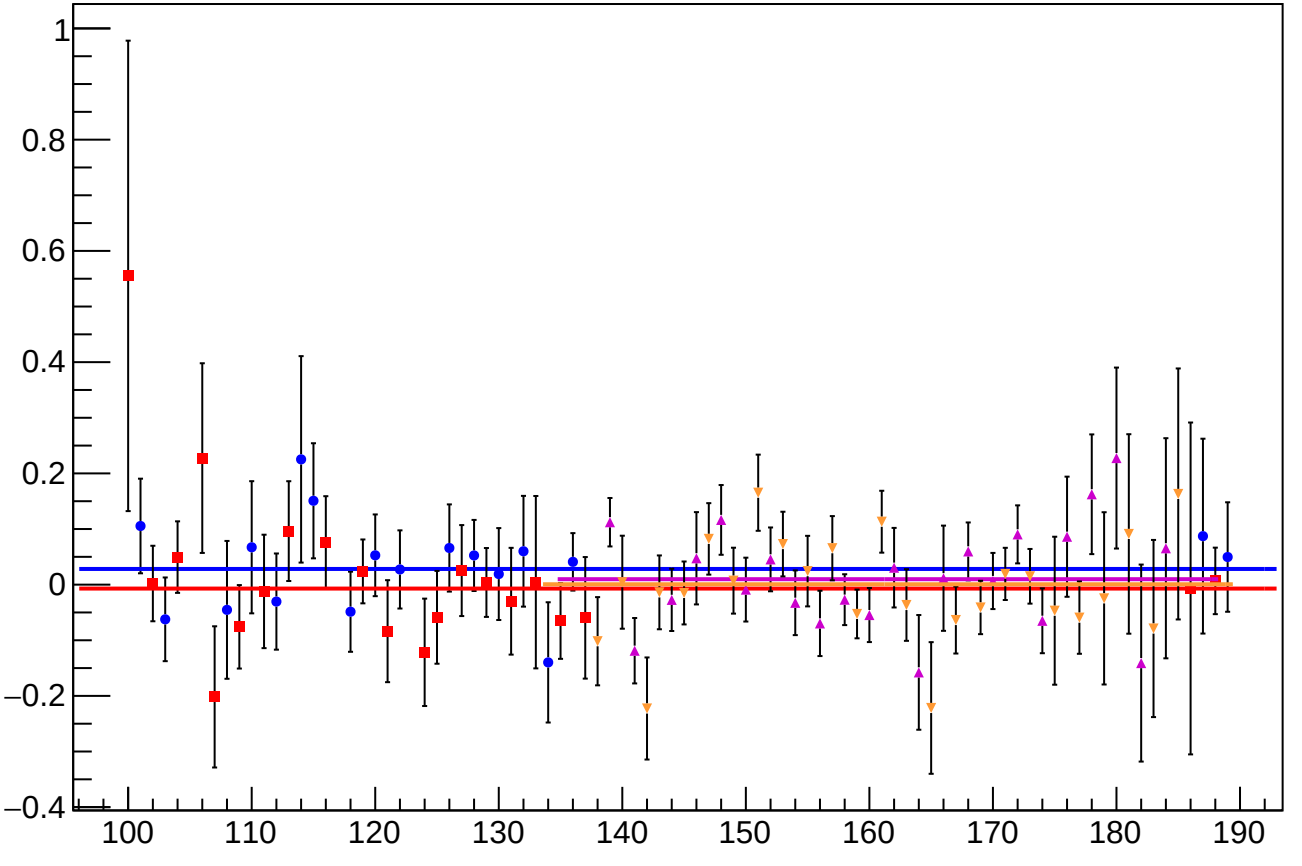
Right: 52.398+/-0.010 χ^2/NDF: 1575153.4/38

In: 52.757+/-0.008 χ^2/NDF:3049754.7/40

Out: 53.191+/-0.008 χ^2/NDF:4327639.1/45

All: 52.979+/-0.005 χ^2/NDF: 7378985.3/86

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

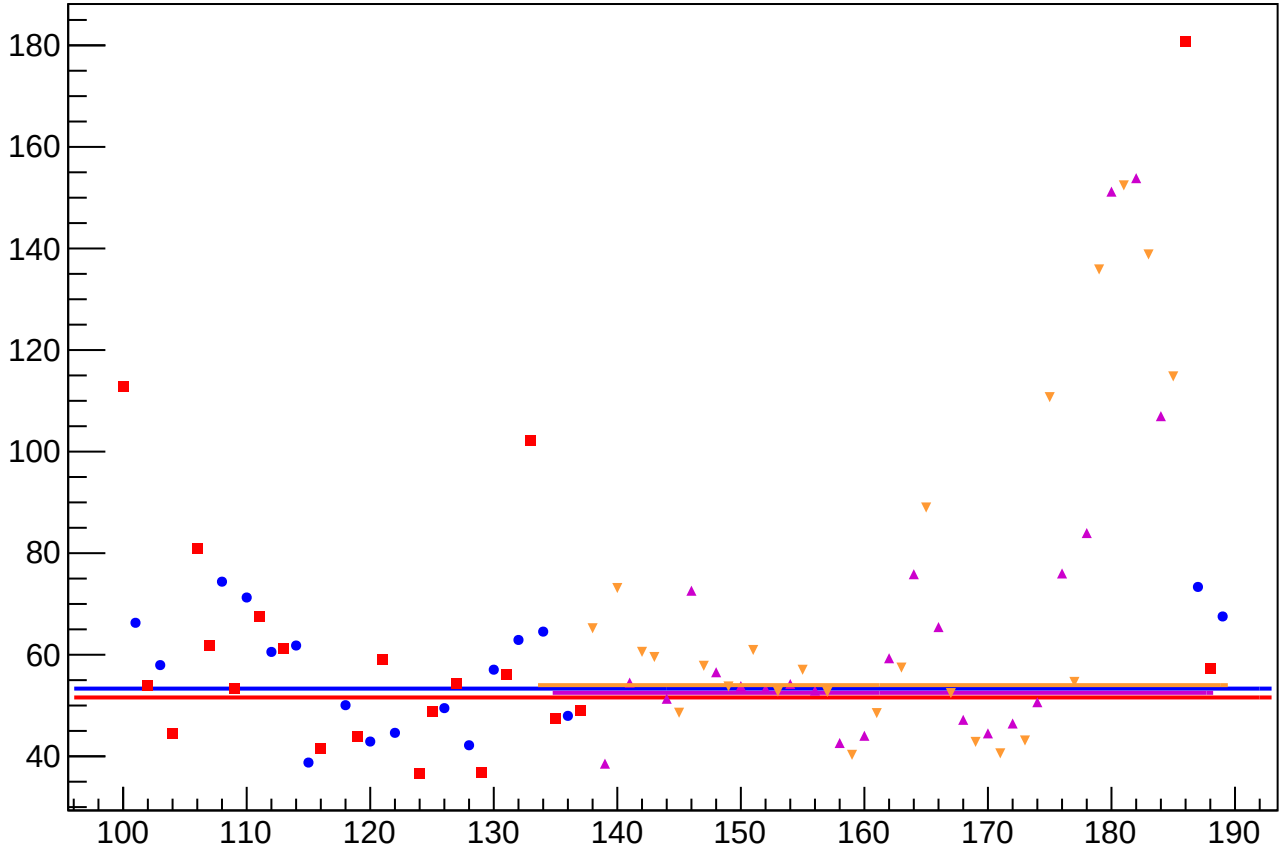
Right: 0.009+/-0.014 χ^2/NDF: 25.8/38

In: 0.015+/-0.011 χ^2/NDF:42.6/40

Out: -0.002+/-0.011 χ^2/NDF:45.8/45

All: 0.007+/-0.008 χ^2/NDF: 89.7/86

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.333+/-0.014 χ^2/NDF: 489563.2/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 51.588+/-0.013 χ^2/NDF: 1077308.6/20

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

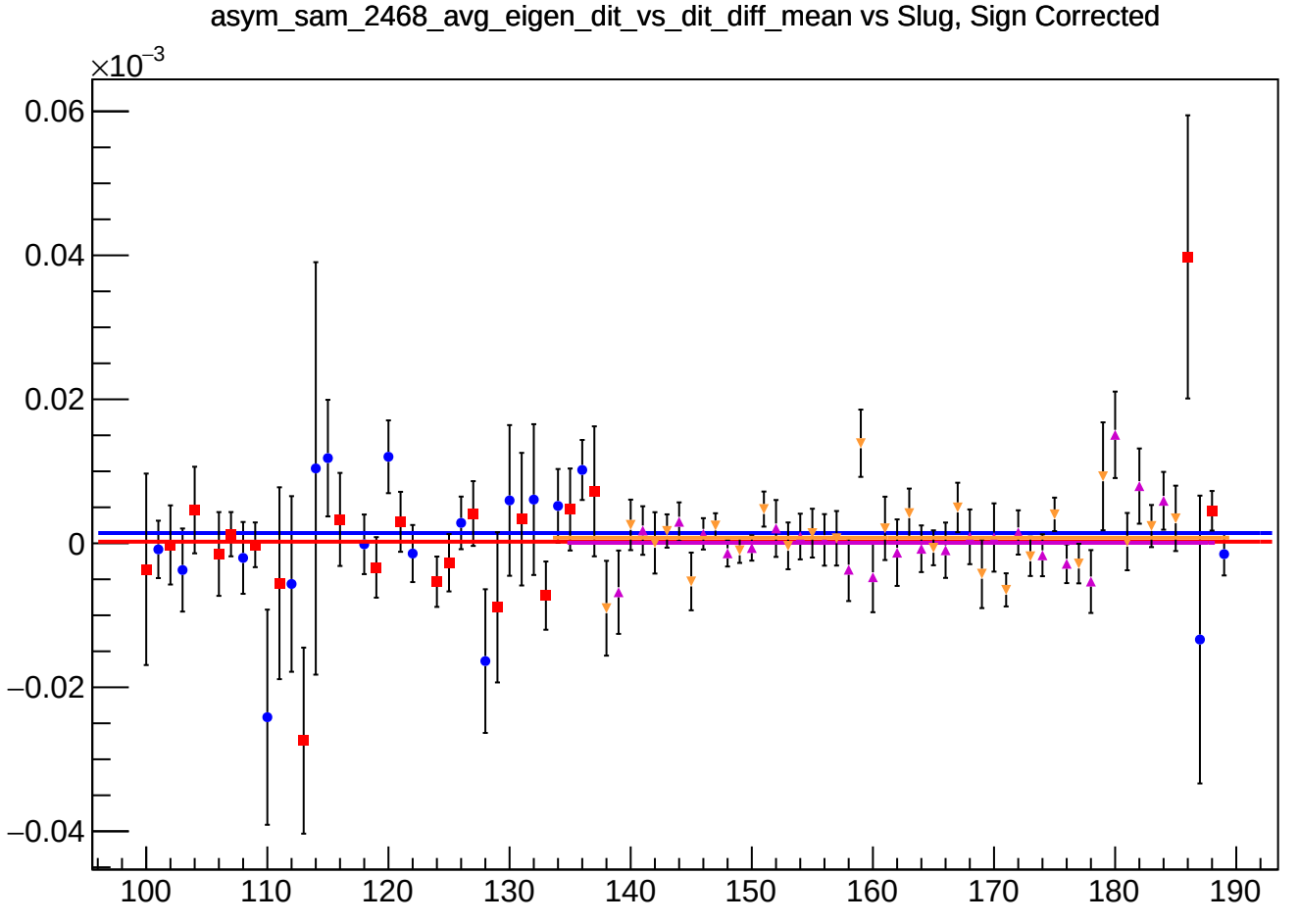
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.398+/-0.010 χ^2/NDF: 1575153.4/38

In: 52.757+/-0.008 χ^2/NDF:3049754.7/40

Out: 53.191+/-0.008 χ^2/NDF:4327639.1/45

All: 52.979+/-0.005 χ^2/NDF: 7378985.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/20

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

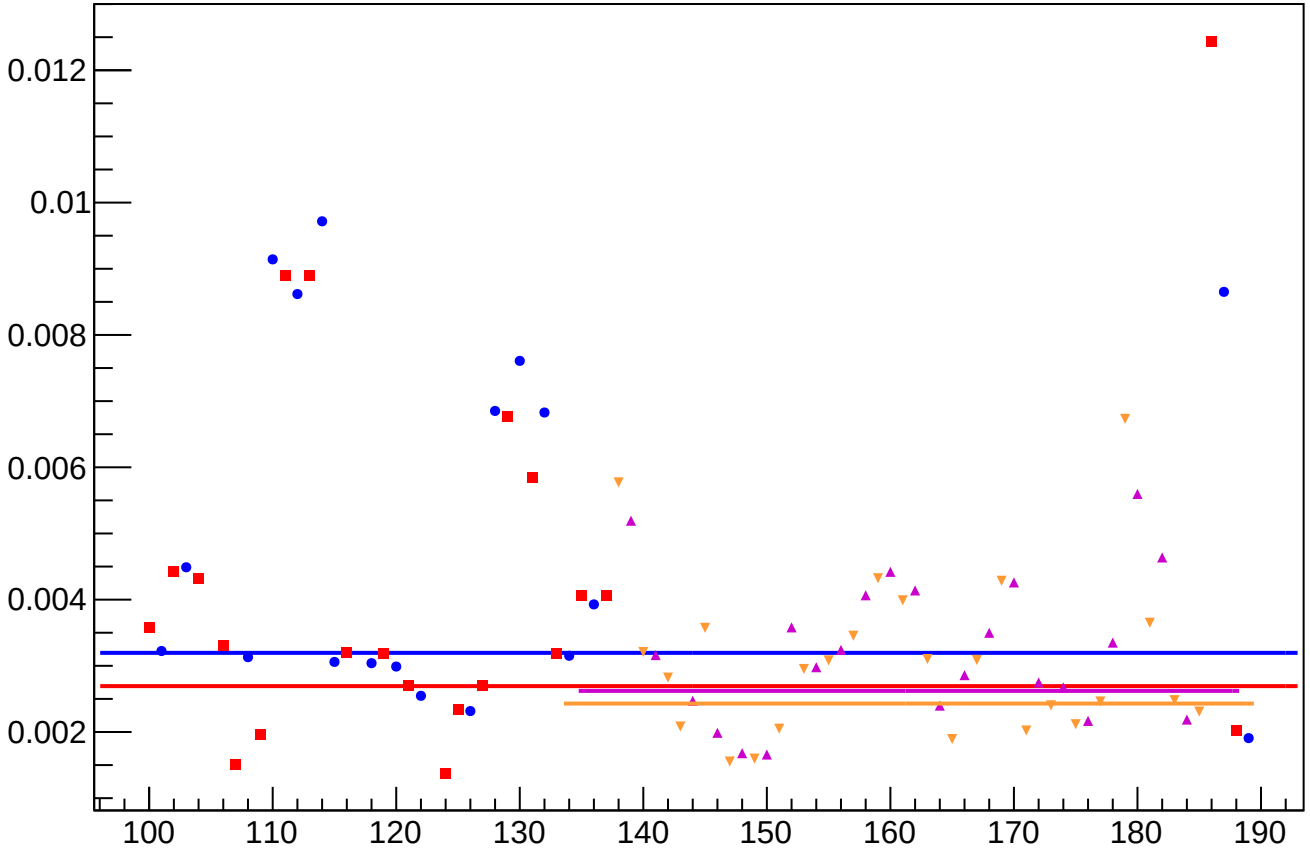
Right: 0.000+/-0.000 χ^2/NDF: 44.3/38

In: 0.000+/-0.000 χ^2/NDF:43.0/40

Out: 0.000+/-0.000 χ^2/NDF:60.2/45

All: 0.000+/-0.000 χ^2/NDF: 103.3/86

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2546544.6/17

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3352356.4/20

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

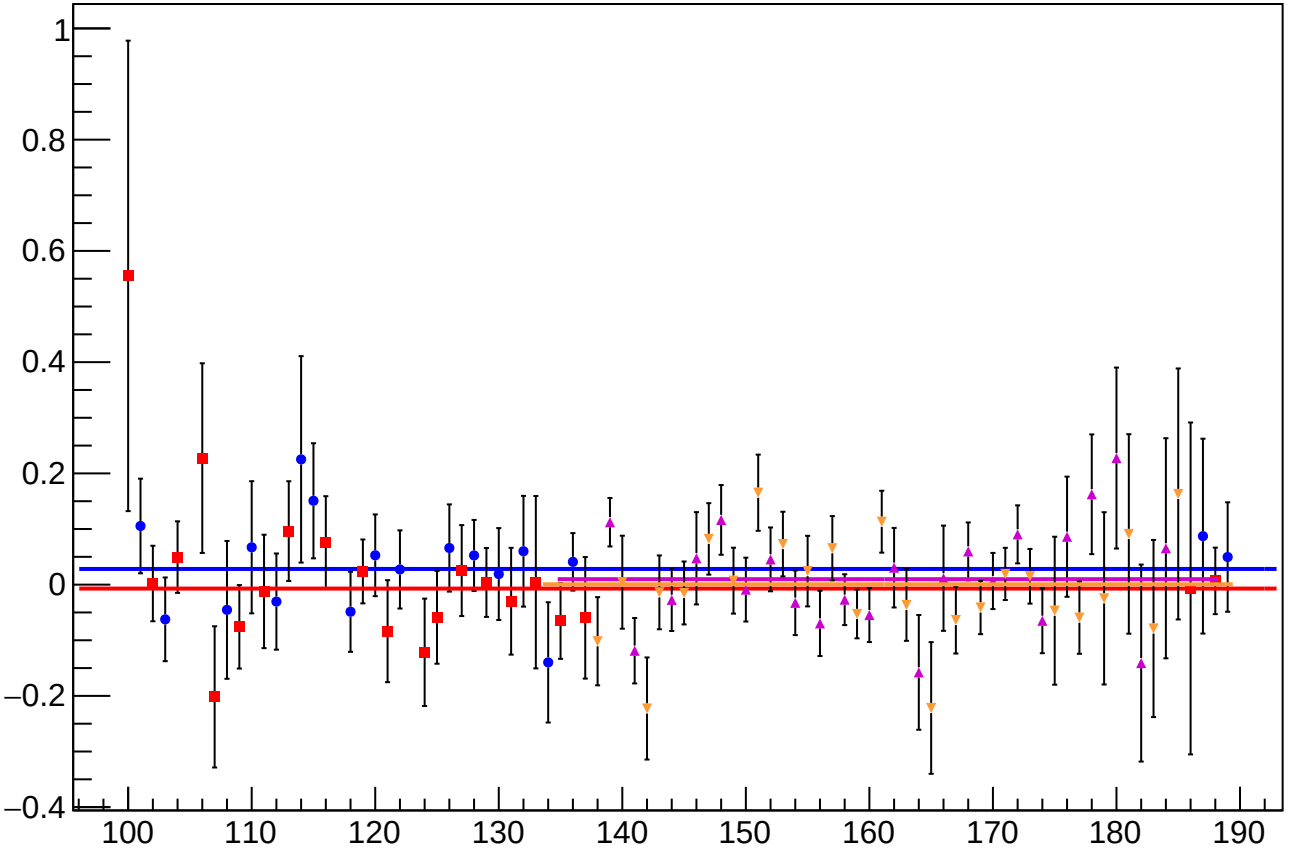
Right: 0.003+/-0.000 χ^2/NDF: 6086807.9/38

In: 0.003+/-0.000 χ^2/NDF:6831199.6/40

Out: 0.002+/-0.000 χ^2/NDF:7665315.3/45

All: 0.003+/-0.000 χ^2/NDF: 14708830.0/86

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

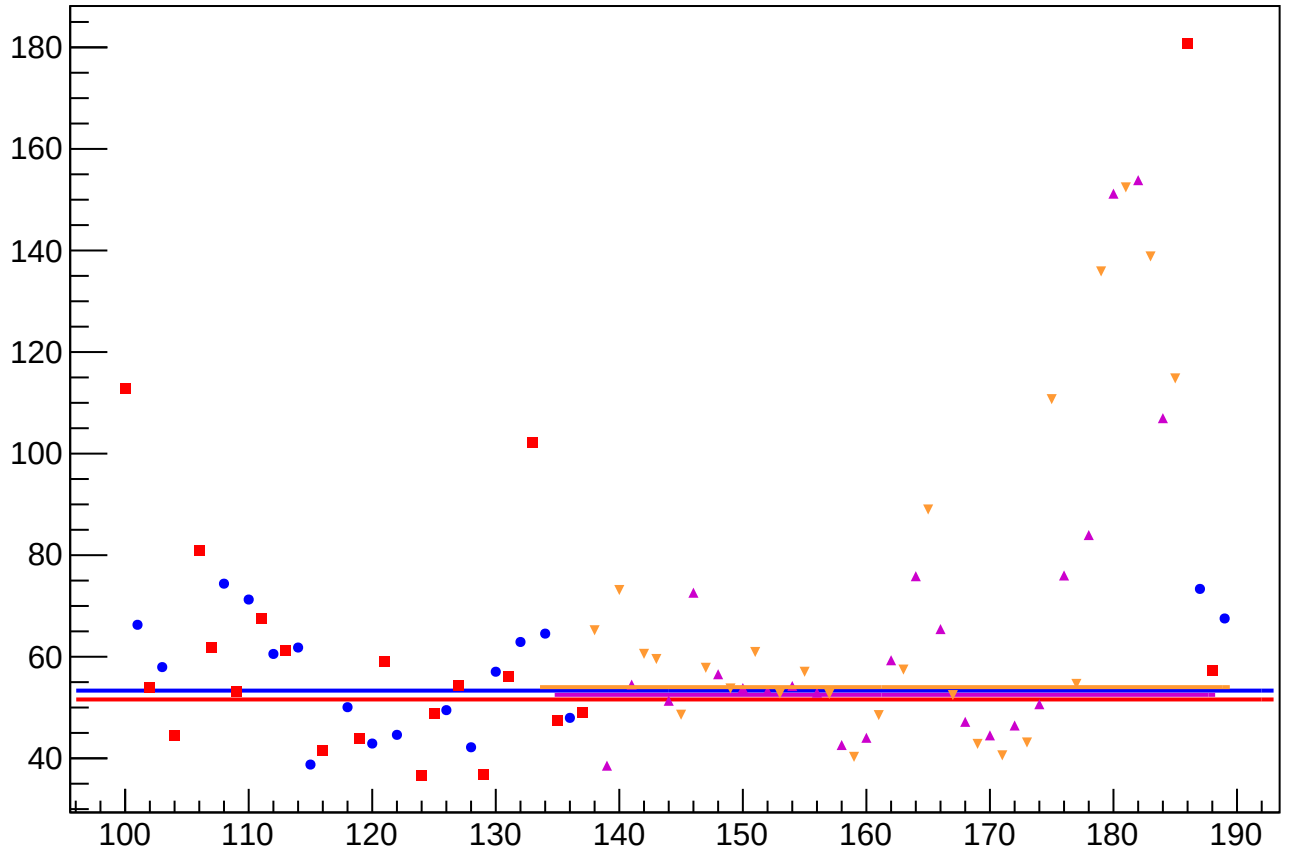
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.009+/-0.014 χ^2/NDF: 25.8/38

In: 0.015+/-0.011 χ^2/NDF:42.6/40

Out: -0.002+/-0.011 χ^2/NDF:45.8/45

All: 0.007+/-0.008 χ^2/NDF: 89.7/86



Right In: 53.332+/-0.014 χ^2/NDF: 489532.0/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 51.587+/-0.013 χ^2/NDF: 1077336.3/20

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

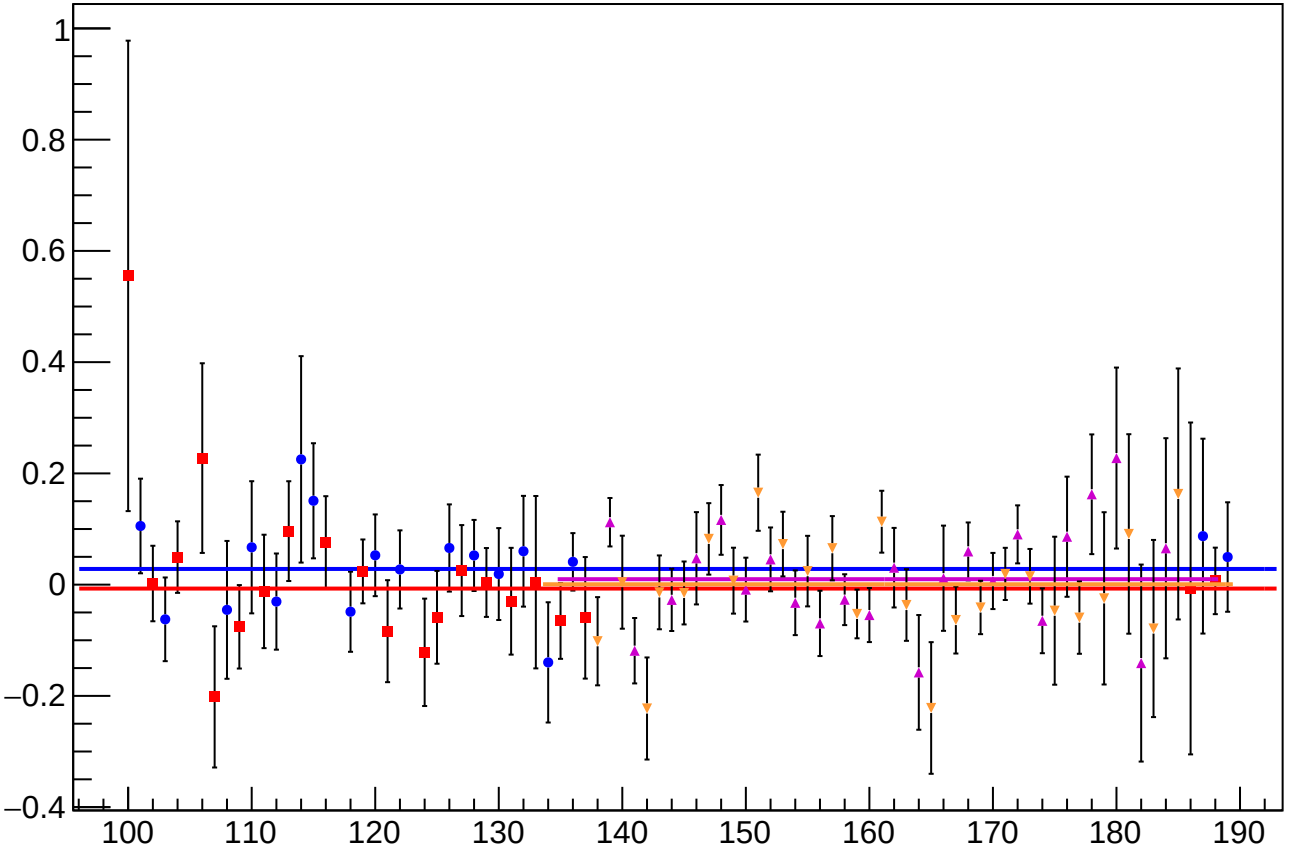
Right: 52.397+/-0.010 χ^2/NDF: 1575149.3/38

In: 52.757+/-0.008 χ^2/NDF:3049757.5/40

Out: 53.191+/-0.008 χ^2/NDF:4327711.2/45

All: 52.979+/-0.005 χ^2/NDF: 7379060.1/86

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.020 χ^2/NDF: 10.1/17

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

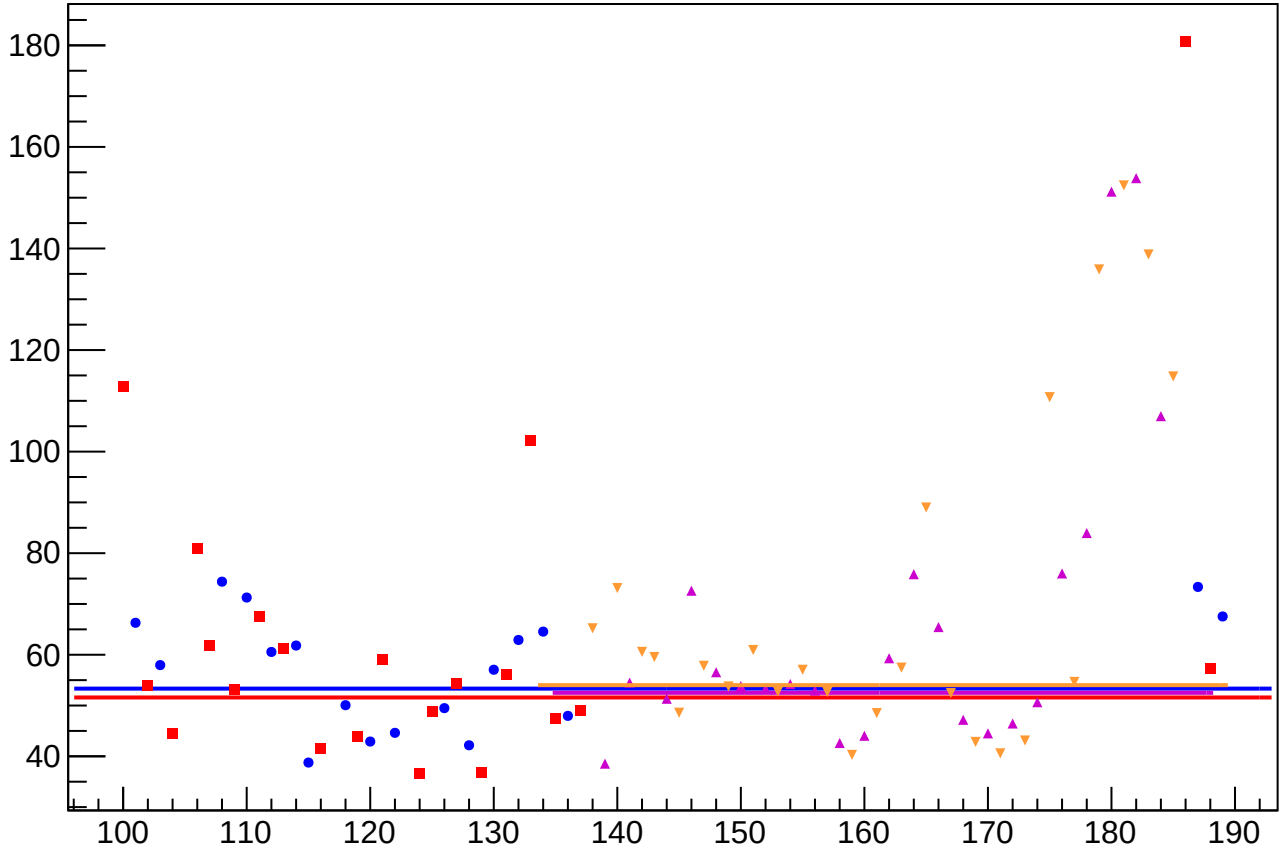
Right: 0.009+/-0.014 χ^2/NDF: 25.8/38

In: 0.015+/-0.011 χ^2/NDF:42.6/40

Out: -0.002+/-0.011 χ^2/NDF:45.8/45

All: 0.007+/-0.008 χ^2/NDF: 89.7/86

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.332+/-0.014 χ^2/NDF: 489532.0/17

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 51.587+/-0.013 χ^2/NDF: 1077336.3/20

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

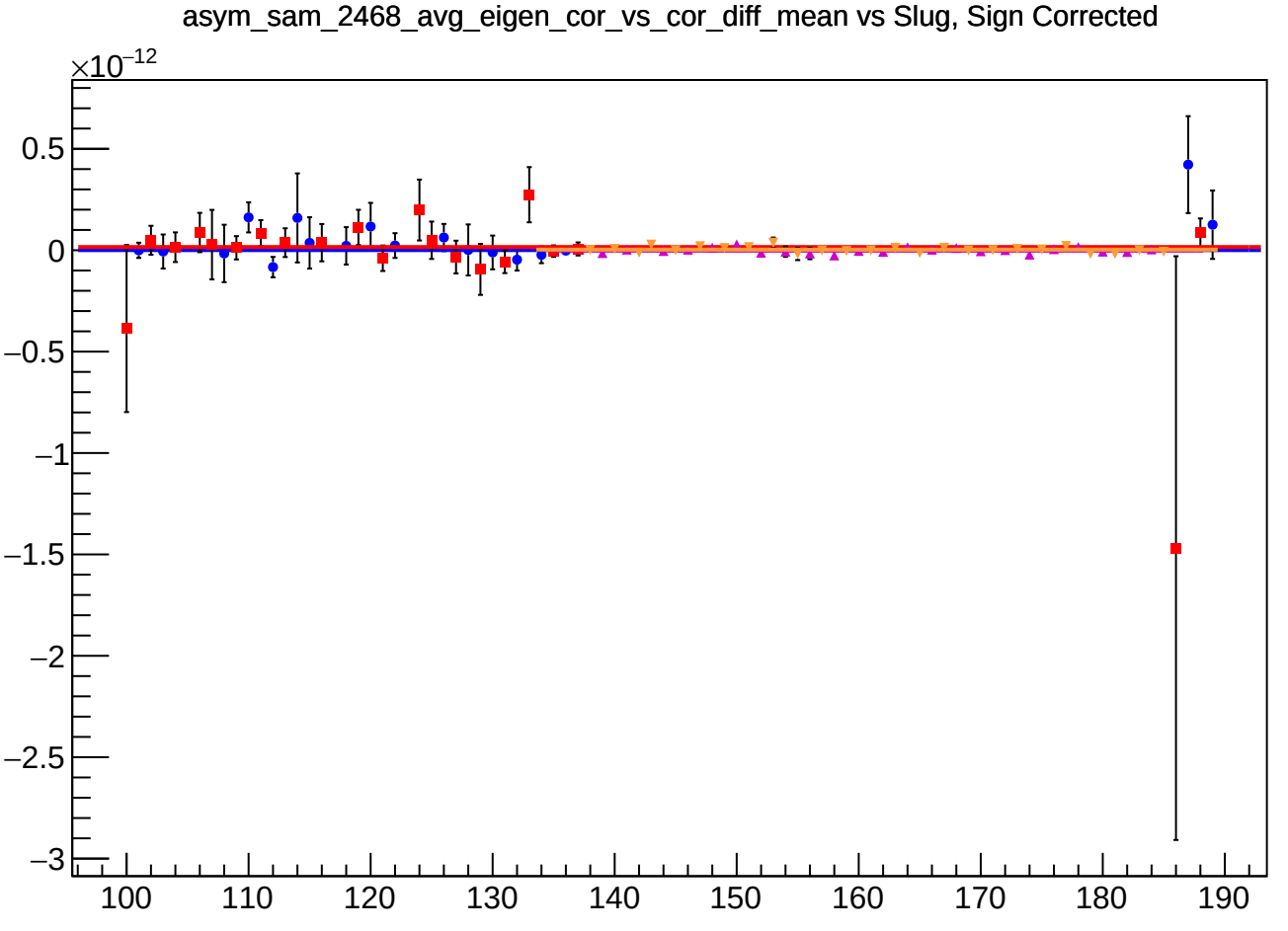
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 52.397+/-0.010 χ^2/NDF: 1575149.3/38

In: 52.757+/-0.008 χ^2/NDF:3049757.5/40

Out: 53.191+/-0.008 χ^2/NDF:4327711.2/45

All: 52.979+/-0.005 χ^2/NDF: 7379060.1/86



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/20

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

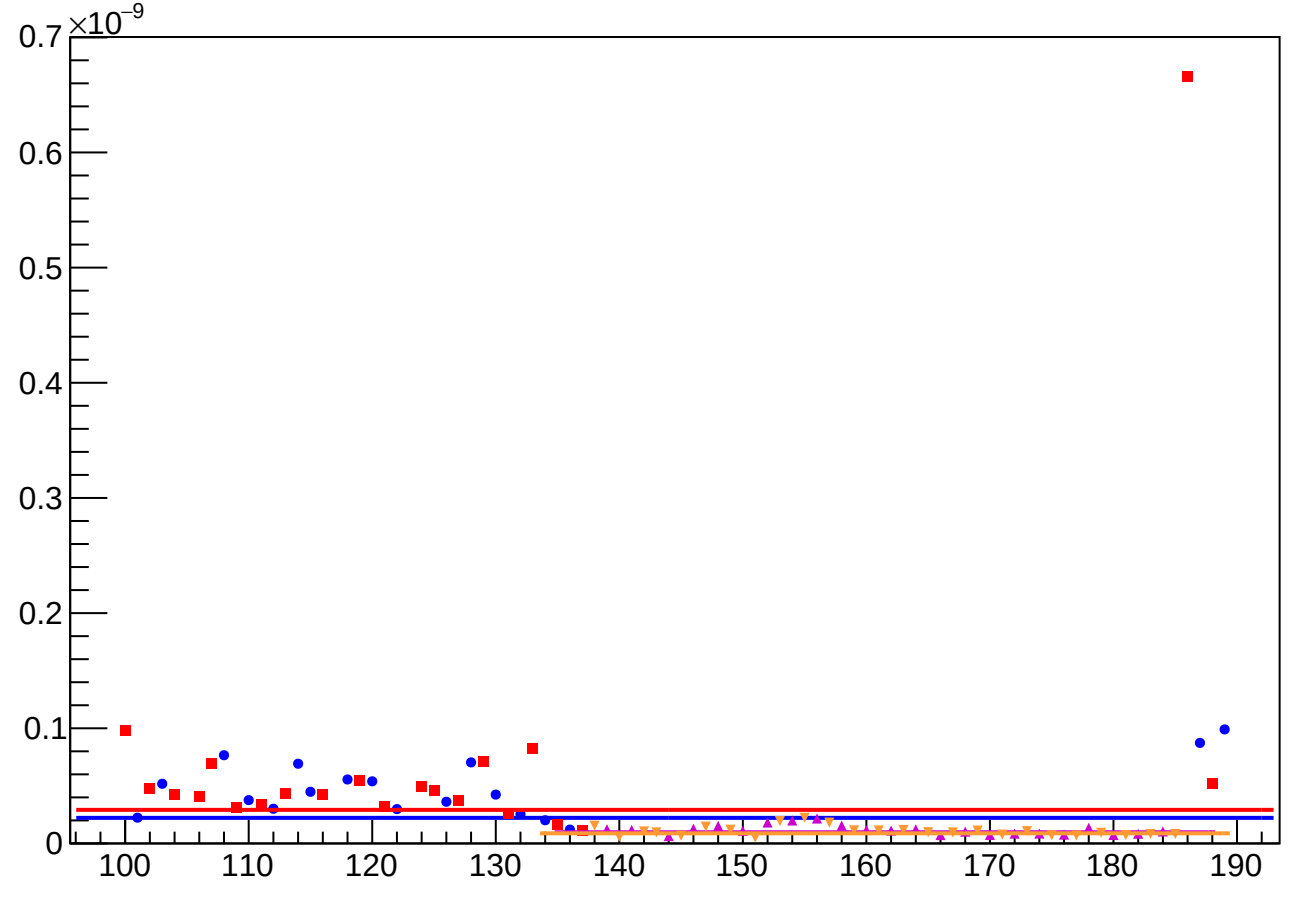
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 31.3/38

In: -0.000+/-0.000 χ^2/NDF:30.3/40

Out: 0.000+/-0.000 χ^2/NDF:38.3/45

All: 0.000+/-0.000 χ^2/NDF: 70.3/86



Right In: 0.000+/-0.000 χ^2/NDF: 3089491.0/17

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994009.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

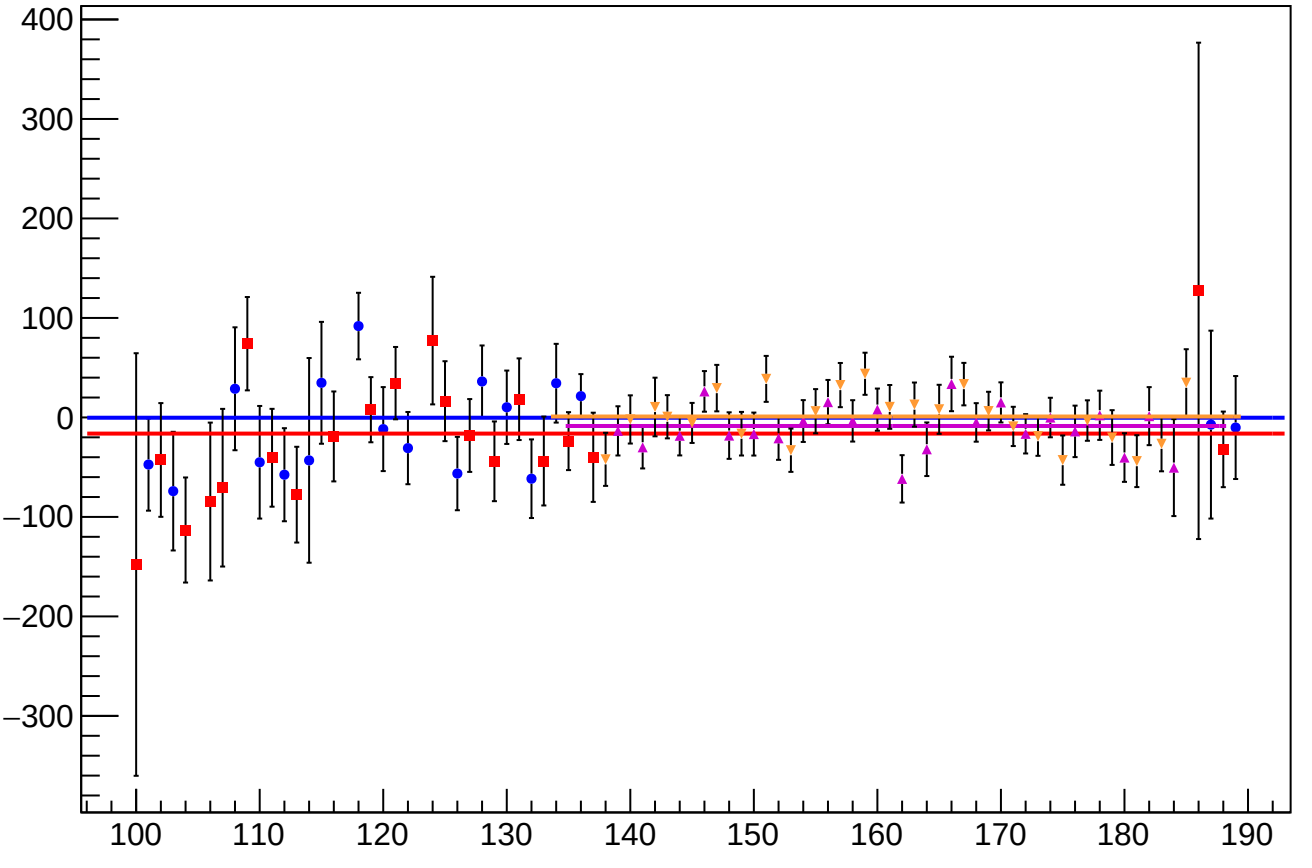
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 6363526.0/38

In: 0.000+/-0.000 χ^2/NDF:7481740.7/40

Out: 0.000+/-0.000 χ^2/NDF:9482175.2/45

All: 0.000+/-0.000 χ^2/NDF: 17081648.7/86



Right In: -0.295+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -16.248+/-9.904 χ^2/NDF: 18.5/20

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

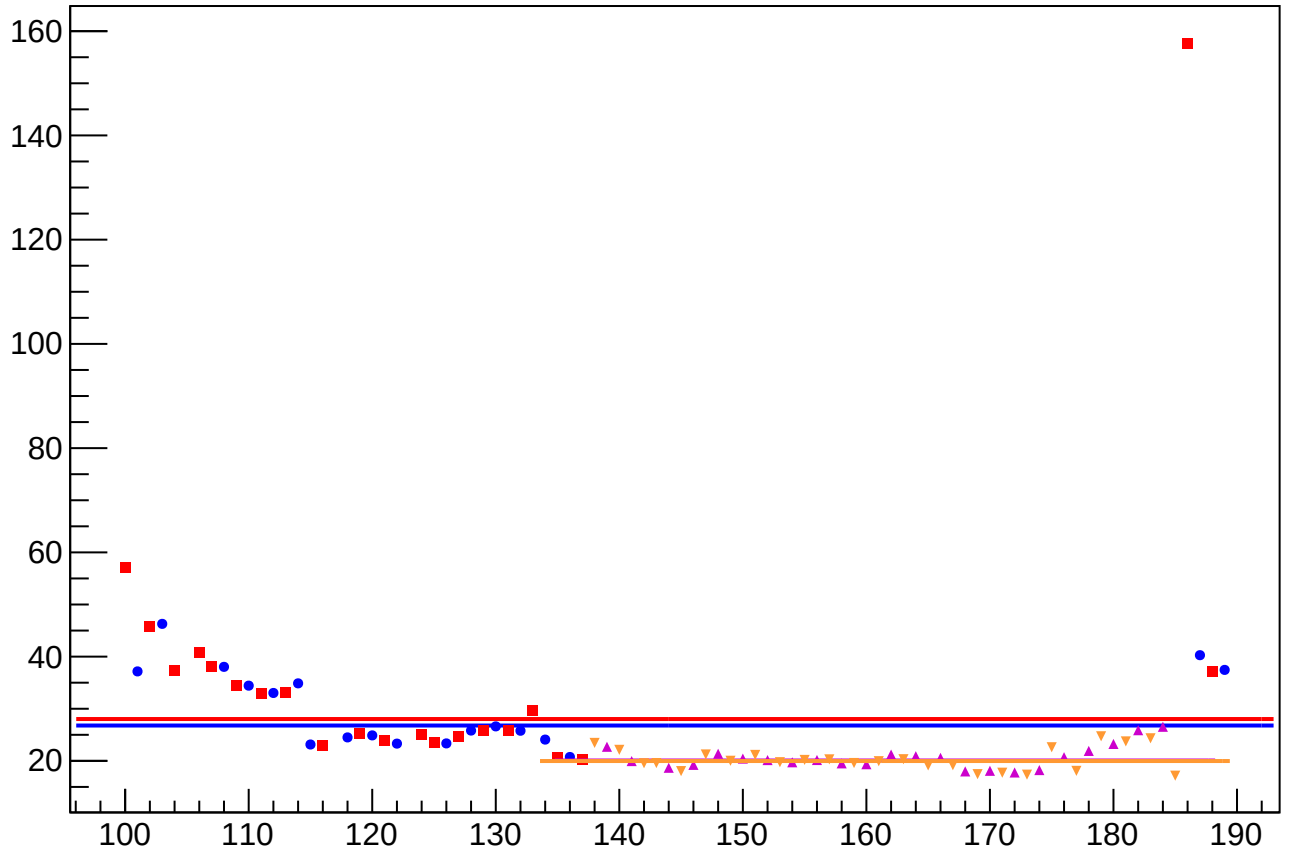
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -8.196+/-6.970 χ^2/NDF: 41.1/38

In: -7.037+/-4.256 χ^2/NDF:41.3/40

Out: -2.101+/-4.153 χ^2/NDF:50.2/45

All: -4.508+/-2.972 χ^2/NDF: 92.2/86



Right In: 26.782+/-0.007 χ^2/NDF: 808038.9/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.027+/-0.007 χ^2/NDF: 1423995.0/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

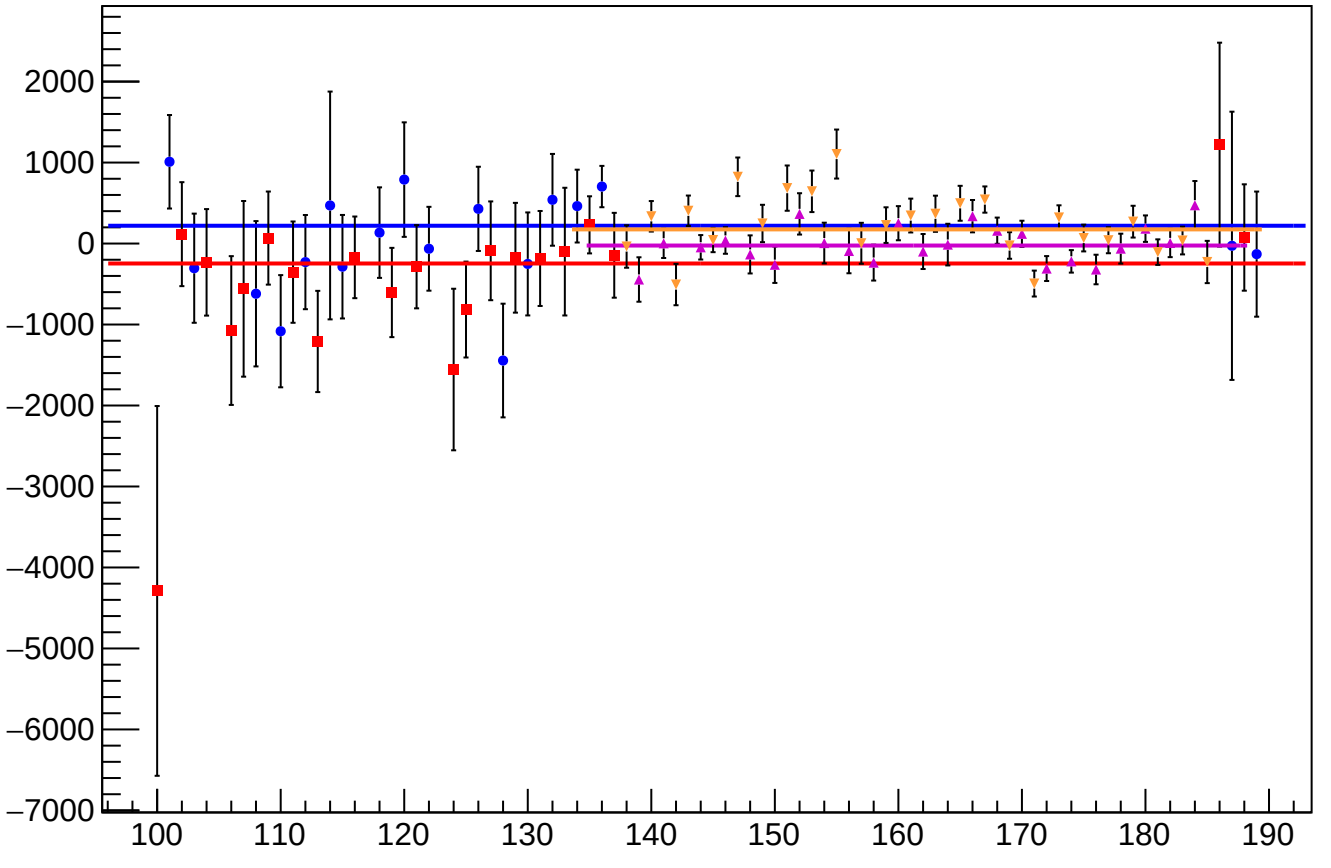
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 27.399+/-0.005 χ^2/NDF: 2247999.2/38

In: 21.335+/-0.003 χ^2/NDF:1869228.3/40

Out: 21.385+/-0.003 χ^2/NDF:2902253.8/45

All: 21.361+/-0.002 χ^2/NDF: 4771624.1/86



Right In: 219.771+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -246.316+/-136.089 χ^2/NDF: 13.7/20

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

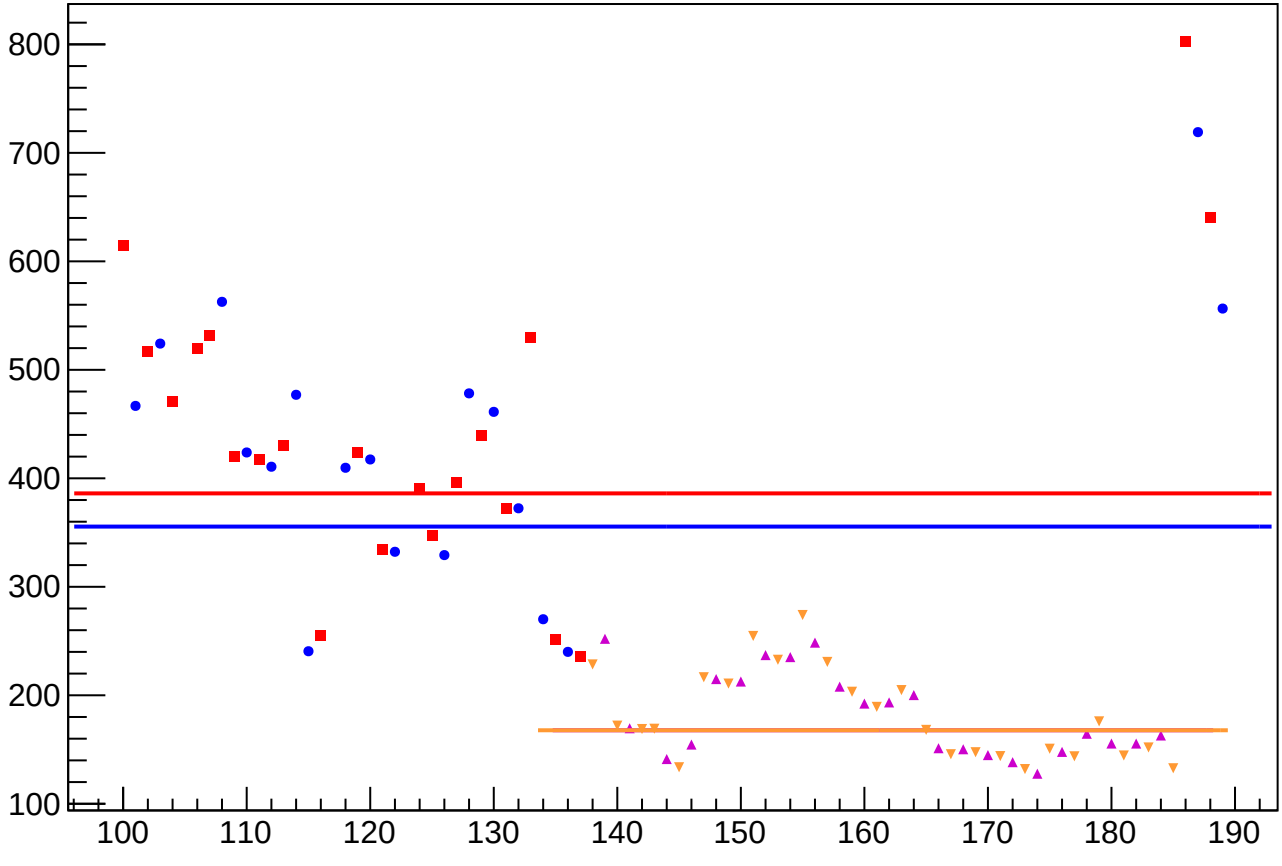
Right: -6.934+/-94.912 χ^2/NDF: 39.6/38

In: -4.096+/-38.353 χ^2/NDF:49.9/40

Out: 142.666+/-37.534 χ^2/NDF:93.8/45

All: 70.869+/-26.826 χ^2/NDF: 151.2/86

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 355.505+/-0.094 χ^2/NDF: 1297760.0/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 386.106+/-0.096 χ^2/NDF: 1465930.1/20

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

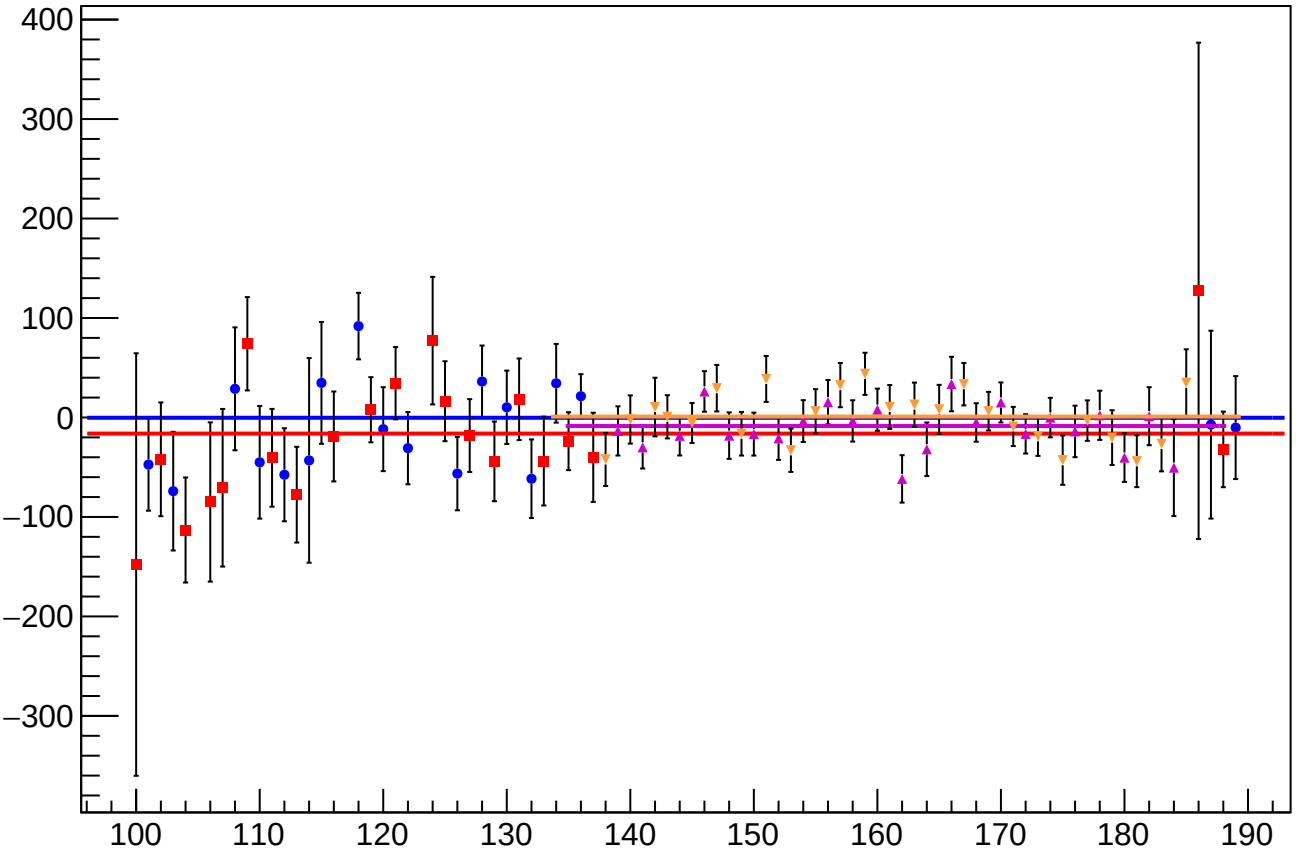
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 370.389+/-0.067 χ^2/NDF: 2815628.5/38

In: 183.495+/-0.027 χ^2/NDF:6383570.4/40

Out: 184.364+/-0.027 χ^2/NDF:7801197.5/45

All: 183.939+/-0.019 χ^2/NDF: 14185293.2/86



Right In: -0.293+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -16.210+/-9.905 χ^2/NDF: 18.4/20

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

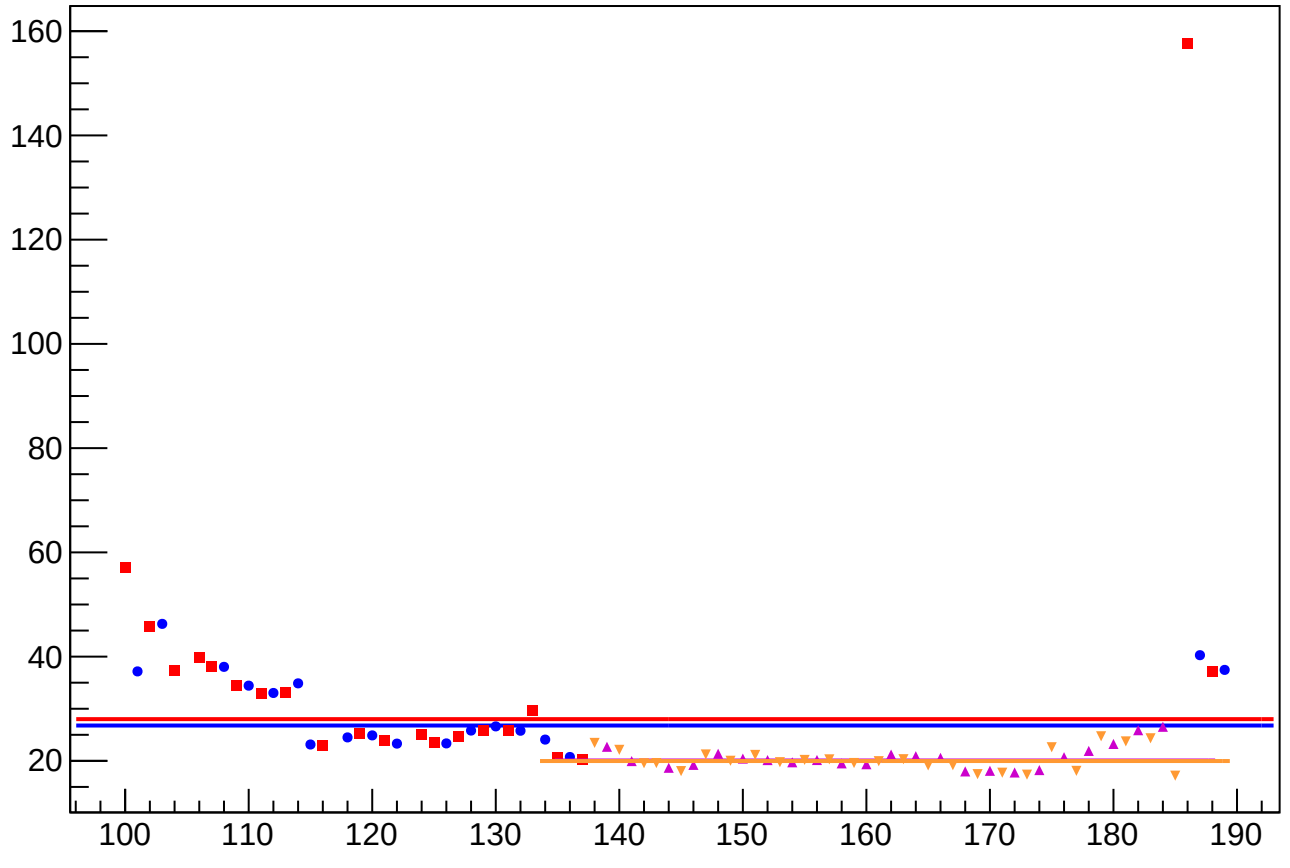
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -8.175+/-6.970 χ^2/NDF: 41.1/38

In: -7.037+/-4.256 χ^2/NDF:41.3/40

Out: -2.095+/-4.153 χ^2/NDF:50.1/45

All: -4.505+/-2.972 χ^2/NDF: 92.1/86



Right In: 26.782+/-0.007 χ^2/NDF: 808042.2/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.007+/-0.007 χ^2/NDF: 1414979.8/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

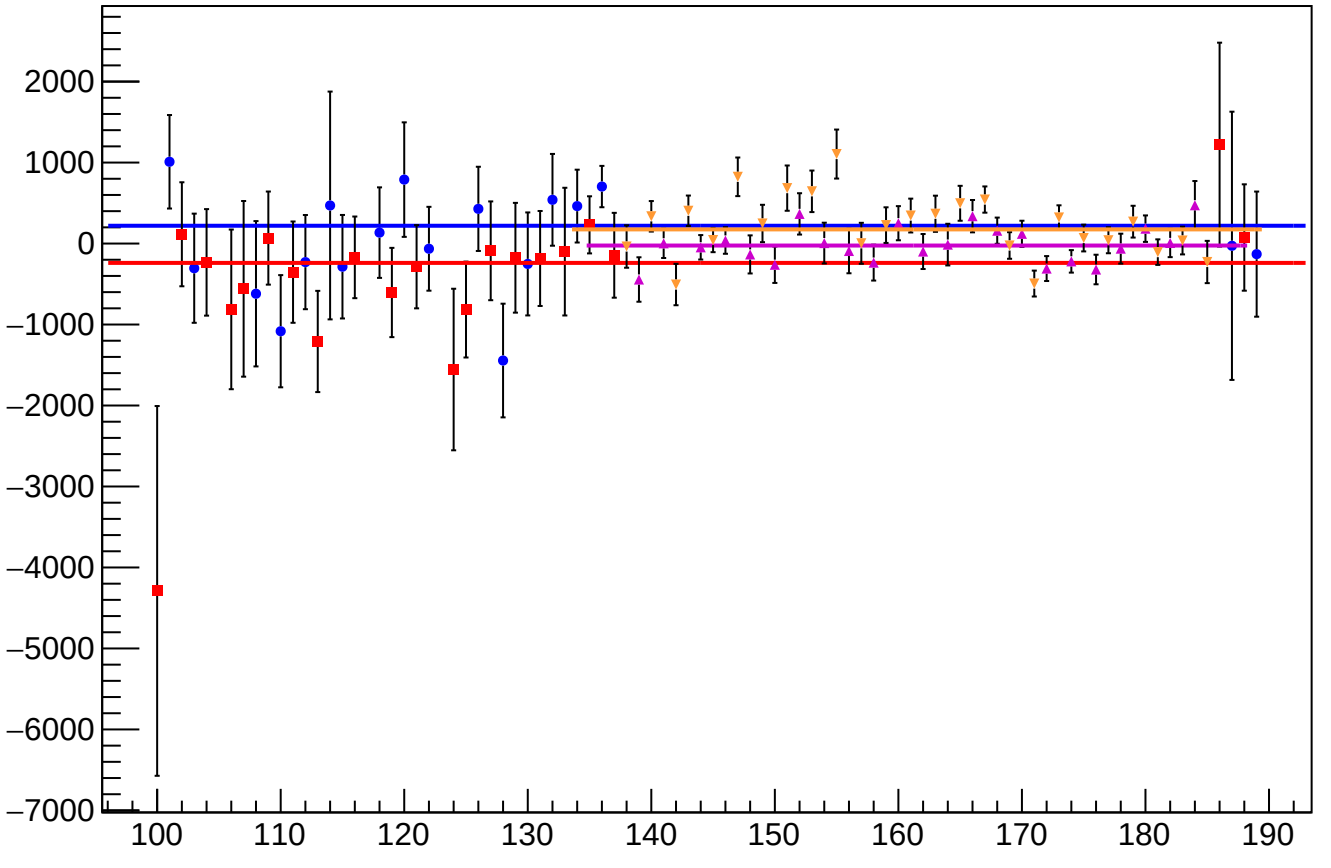
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 27.389+/-0.005 χ^2/NDF: 2238473.4/38

In: 21.335+/-0.003 χ^2/NDF:1869231.7/40

Out: 21.381+/-0.003 χ^2/NDF:2887519.4/45

All: 21.359+/-0.002 χ^2/NDF: 4756871.8/86



Right In: 219.764+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -239.007+/-136.289 χ^2/NDF: 13.3/20

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

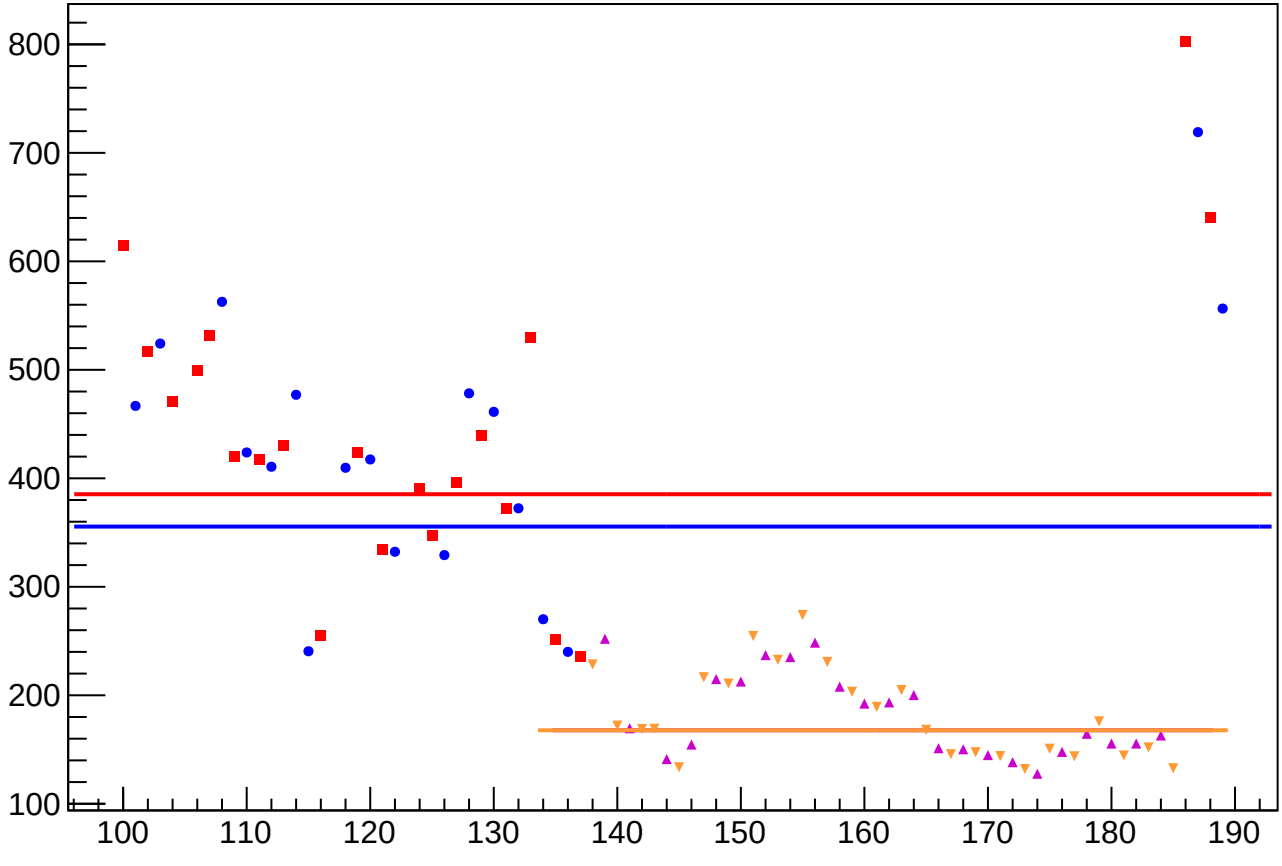
Right: -3.046+/-94.979 χ^2/NDF: 39.0/38

In: -4.097+/-38.353 χ^2/NDF:49.9/40

Out: 143.306+/-37.539 χ^2/NDF:93.0/45

All: 71.187+/-26.827 χ^2/NDF: 150.4/86

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.505+/-0.094 χ^2/NDF: 1297787.7/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 385.335+/-0.096 χ^2/NDF: 1450168.5/20

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

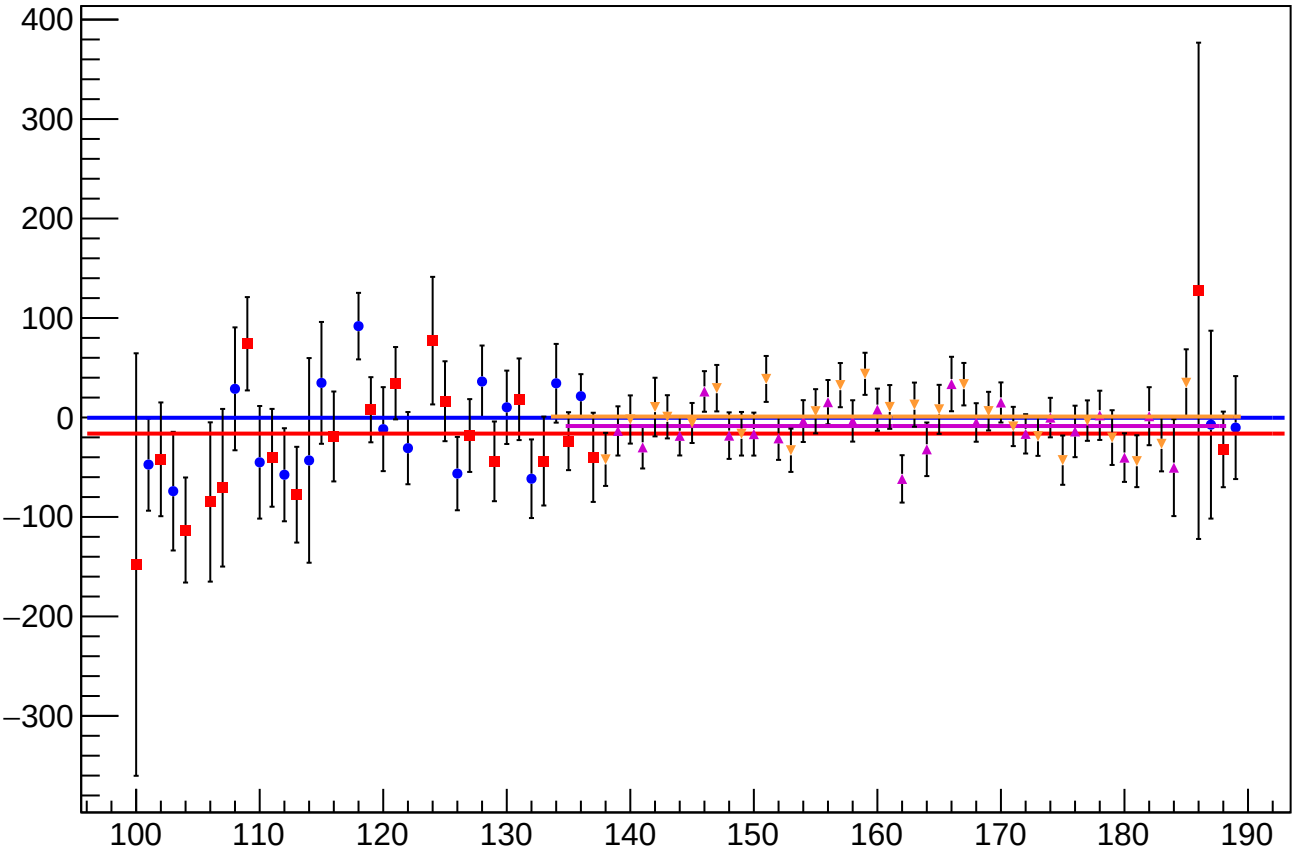
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 369.993+/-0.067 χ^2/NDF: 2797236.9/38

In: 183.495+/-0.027 χ^2/NDF:6383585.6/40

Out: 184.261+/-0.027 χ^2/NDF:7739126.7/45

All: 183.886+/-0.019 χ^2/NDF: 14123119.9/86



Right In: -0.293+/-9.810 χ^2/NDF: 21.4/17

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -16.210+/-9.905 χ^2/NDF: 18.4/20

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

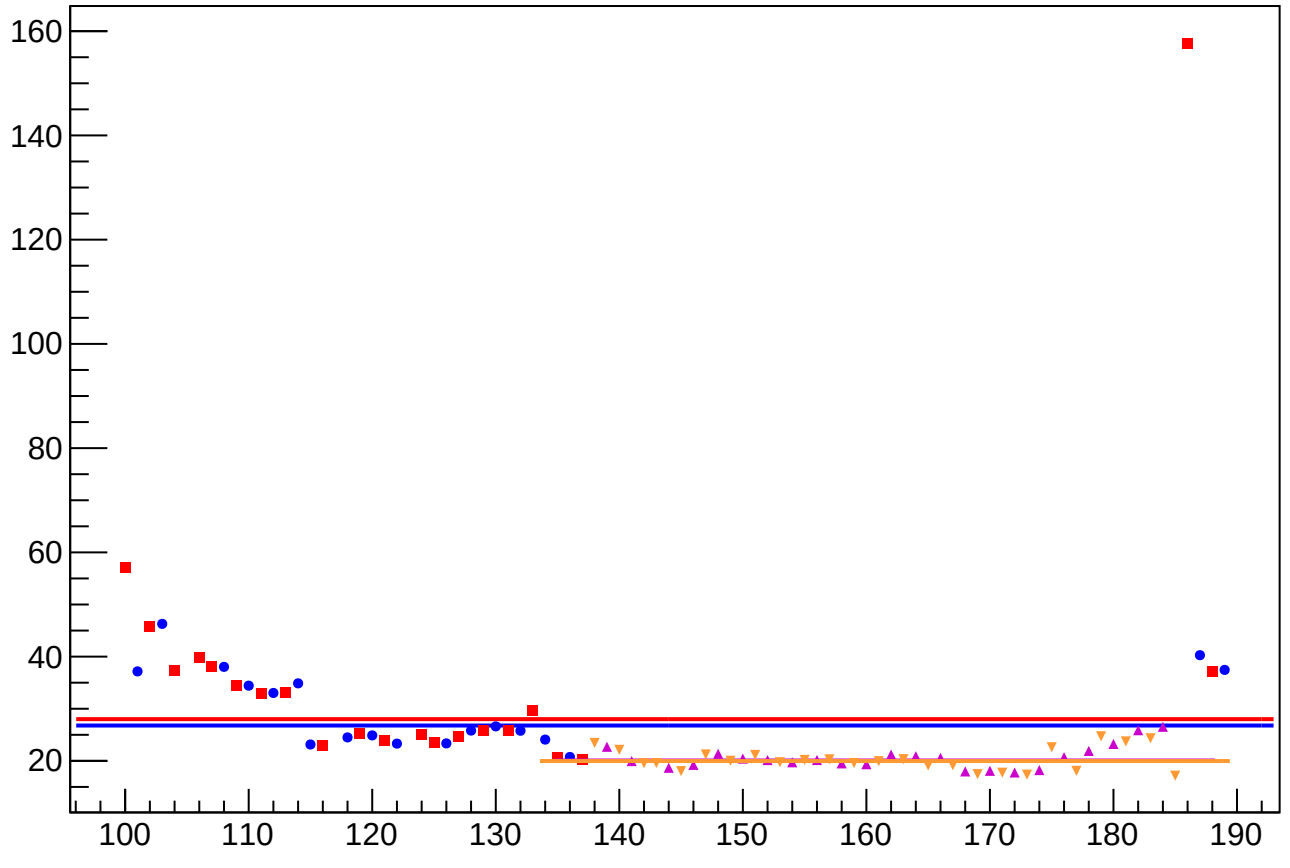
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -8.175+/-6.970 χ^2/NDF: 41.1/38

In: -7.037+/-4.256 χ^2/NDF:41.3/40

Out: -2.095+/-4.153 χ^2/NDF:50.1/45

All: -4.505+/-2.972 χ^2/NDF: 92.1/86



Right In: 26.782+/-0.007 χ^2/NDF: 808042.2/17

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.007+/-0.007 χ^2/NDF: 1414979.8/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

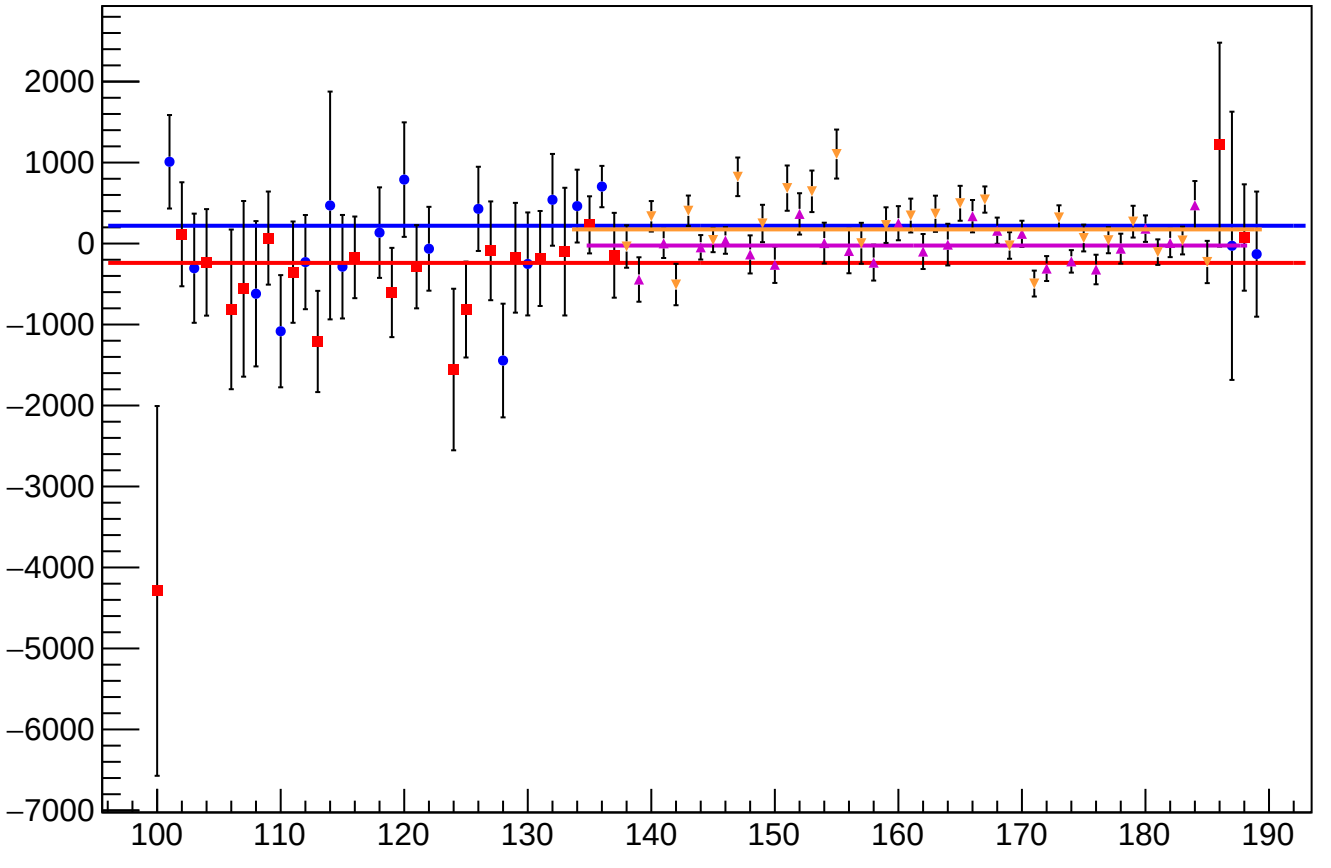
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 27.389+/-0.005 χ^2/NDF: 2238473.4/38

In: 21.335+/-0.003 χ^2/NDF:1869231.7/40

Out: 21.381+/-0.003 χ^2/NDF:2887519.4/45

All: 21.359+/-0.002 χ^2/NDF: 4756871.8/86



Right In: 219.764+/-132.436 χ^2/NDF: 19.9/17

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -239.007+/-136.289 χ^2/NDF: 13.3/20

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

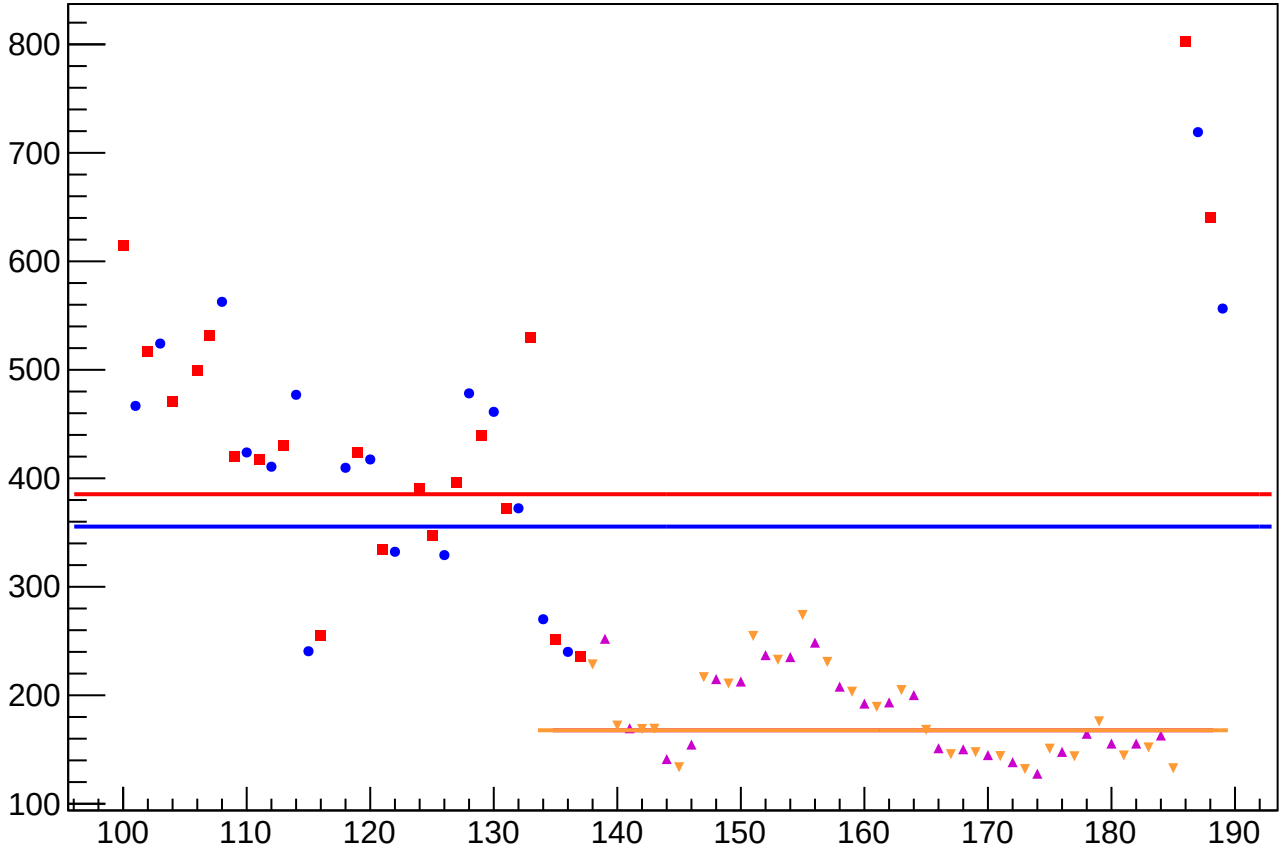
Right: -3.046+/-94.979 χ^2/NDF: 39.0/38

In: -4.097+/-38.353 χ^2/NDF:49.9/40

Out: 143.306+/-37.539 χ^2/NDF:93.0/45

All: 71.187+/-26.827 χ^2/NDF: 150.4/86

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.505+/-0.094 χ^2/NDF: 1297787.7/17

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 385.335+/-0.096 χ^2/NDF: 1450168.5/20

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

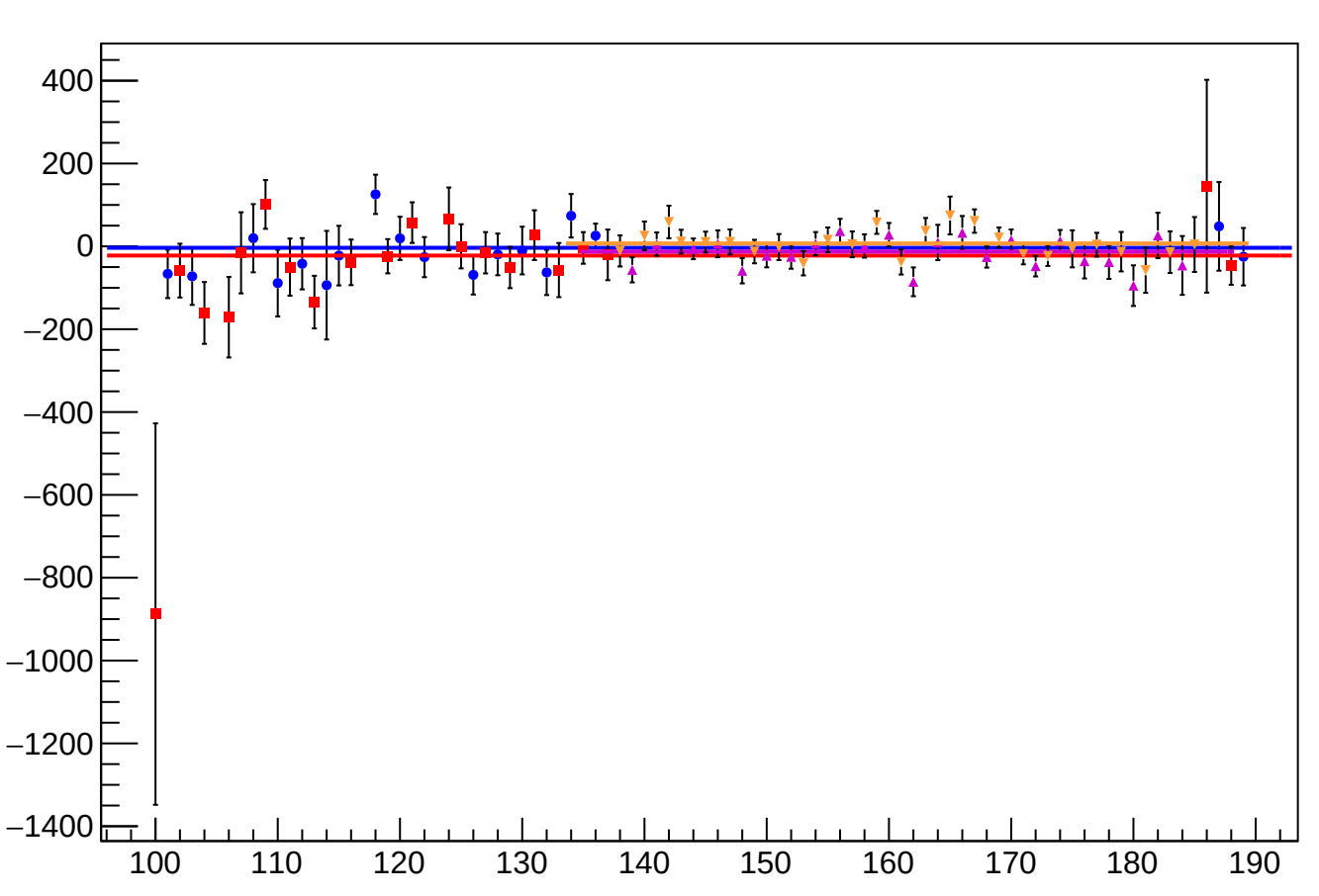
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 369.993+/-0.067 χ^2/NDF: 2797236.9/38

In: 183.495+/-0.027 χ^2/NDF:6383585.6/40

Out: 184.261+/-0.027 χ^2/NDF:7739126.7/45

All: 183.886+/-0.019 χ^2/NDF: 14123119.9/86



Right In: -3.415+/-13.052 χ^2/NDF: 18.8/17

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -22.165+/-12.922 χ^2/NDF: 23.8/20

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

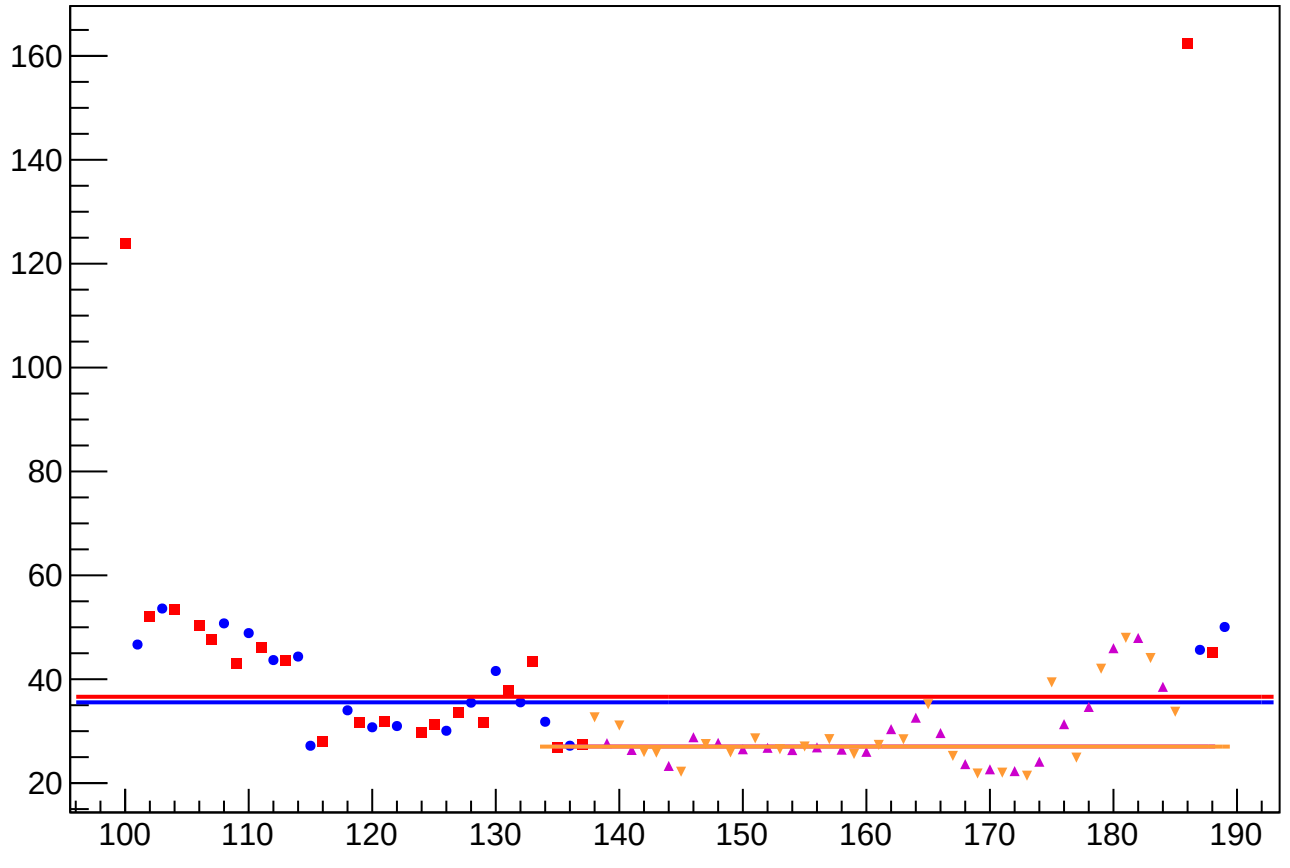
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -12.884+/-9.183 χ^2/NDF: 43.7/38

In: -10.846+/-5.828 χ^2/NDF:44.8/40

Out: 1.415+/-5.687 χ^2/NDF:50.7/45

All: -4.565+/-4.070 χ^2/NDF: 97.8/86



Right In: 35.549+/-0.009 χ^2/NDF: 768857.4/17

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 36.620+/-0.009 χ^2/NDF: 1339088.5/20

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

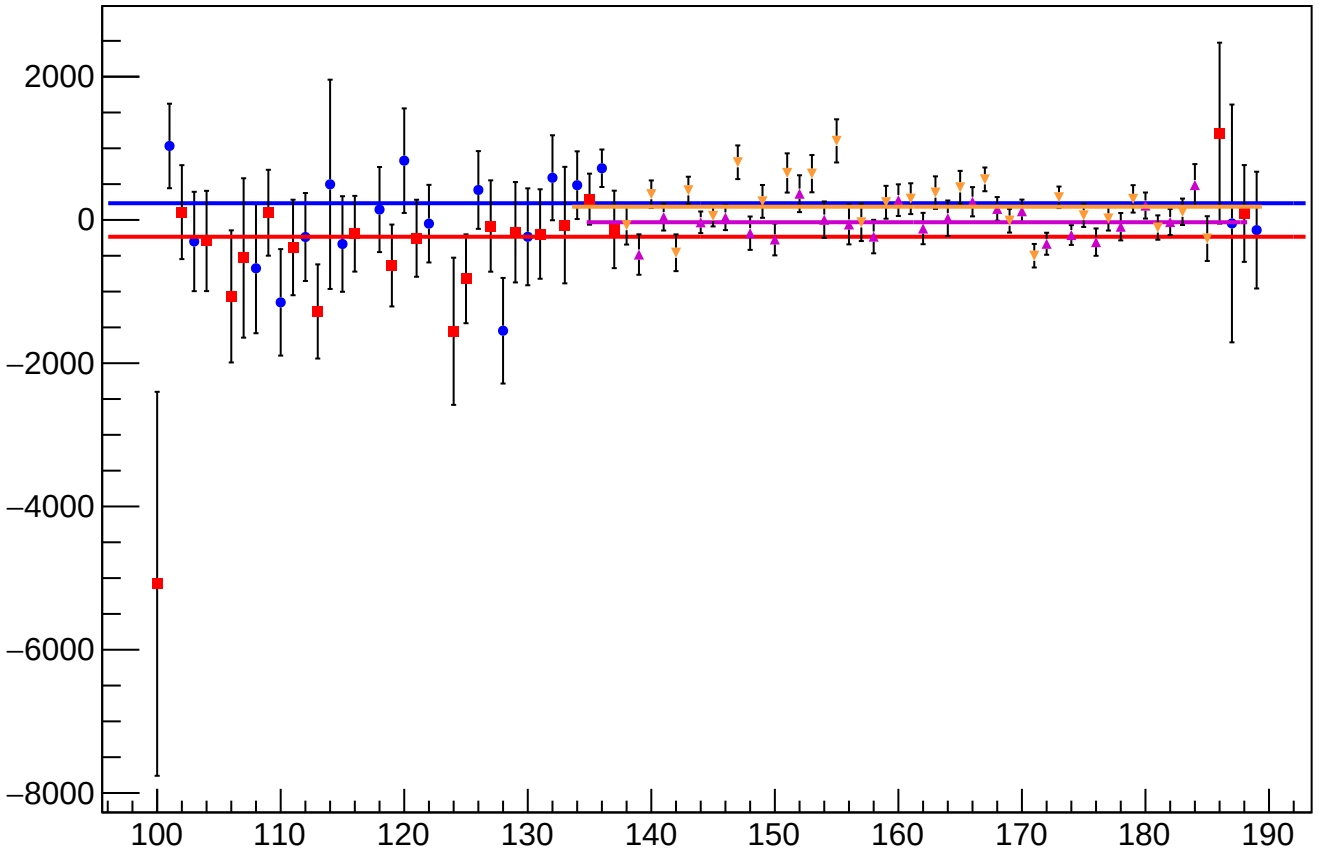
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 36.090+/-0.006 χ^2/NDF: 2114746.2/38

In: 28.746+/-0.004 χ^2/NDF:2491907.3/40

Out: 28.885+/-0.004 χ^2/NDF:3658575.7/45

All: 28.817+/-0.003 χ^2/NDF: 6151059.1/86



Right In: 233.378+/-137.766 χ^2/NDF: 20.0/17

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -234.719+/-141.158 χ^2/NDF: 14.2/20

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

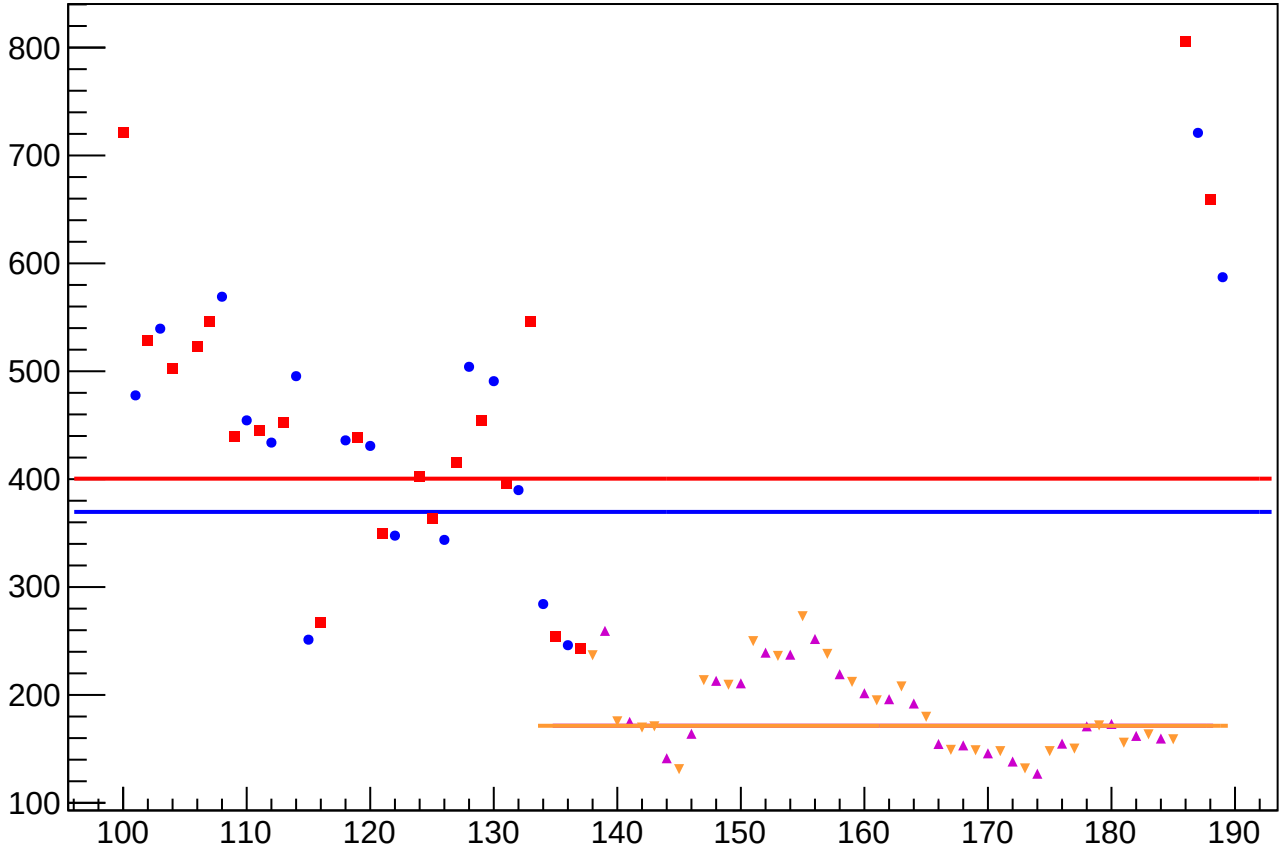
Right: 5.021+/-98.592 χ^2/NDF: 39.9/38

In: -10.332+/-39.275 χ^2/NDF:49.8/40

Out: 153.743+/-38.335 χ^2/NDF:90.1/45

All: 73.692+/-27.433 χ^2/NDF: 148.8/86

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 369.644+/-0.097 χ^2/NDF: 1332936.5/17

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 400.461+/-0.100 χ^2/NDF: 1490707.1/20

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

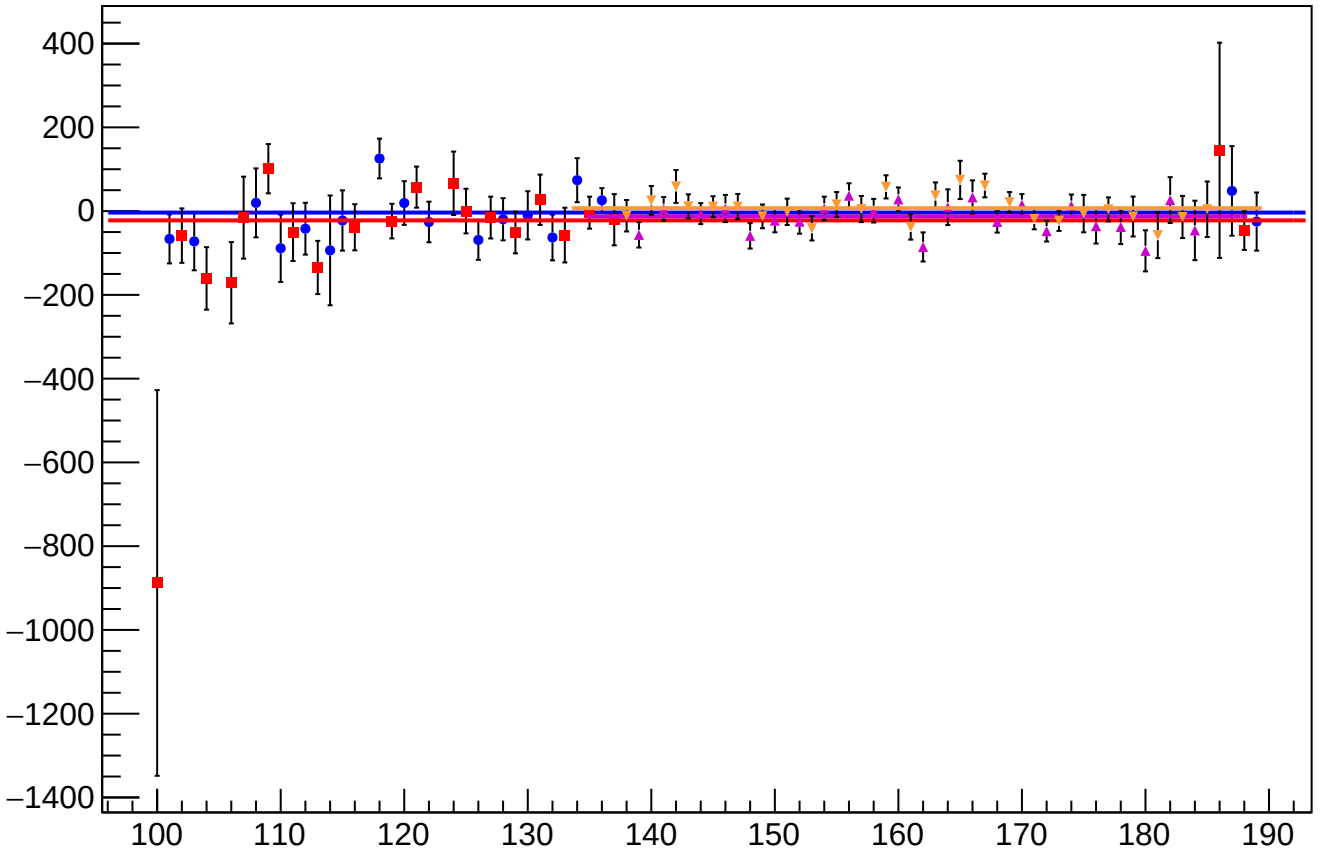
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 384.678+/-0.070 χ^2/NDF: 2872465.9/38

In: 187.594+/-0.028 χ^2/NDF:6550071.3/40

Out: 188.319+/-0.027 χ^2/NDF:7894515.8/45

All: 187.965+/-0.019 χ^2/NDF: 14444935.7/86



Right In: -3.416+/-13.051 χ^2/NDF: 18.8/17

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -22.165+/-12.922 χ^2/NDF: 23.8/20

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

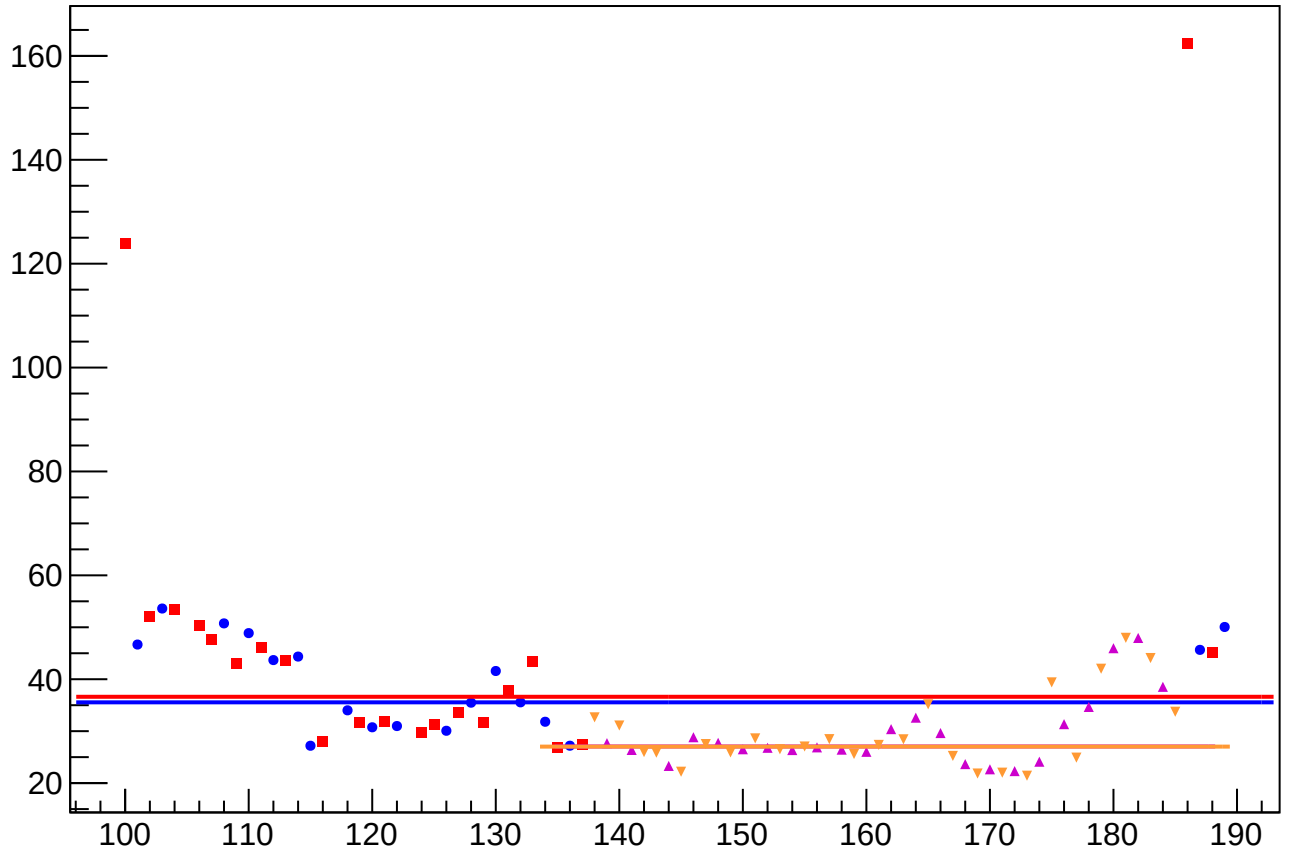
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -12.884+/-9.183 χ^2/NDF: 43.7/38

In: -10.846+/-5.828 χ^2/NDF:44.8/40

Out: 1.415+/-5.687 χ^2/NDF:50.7/45

All: -4.565+/-4.070 χ^2/NDF: 97.8/86



Right In: 35.549+/-0.009 χ^2/NDF: 768815.3/17

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 36.620+/-0.009 χ^2/NDF: 1339068.5/20

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

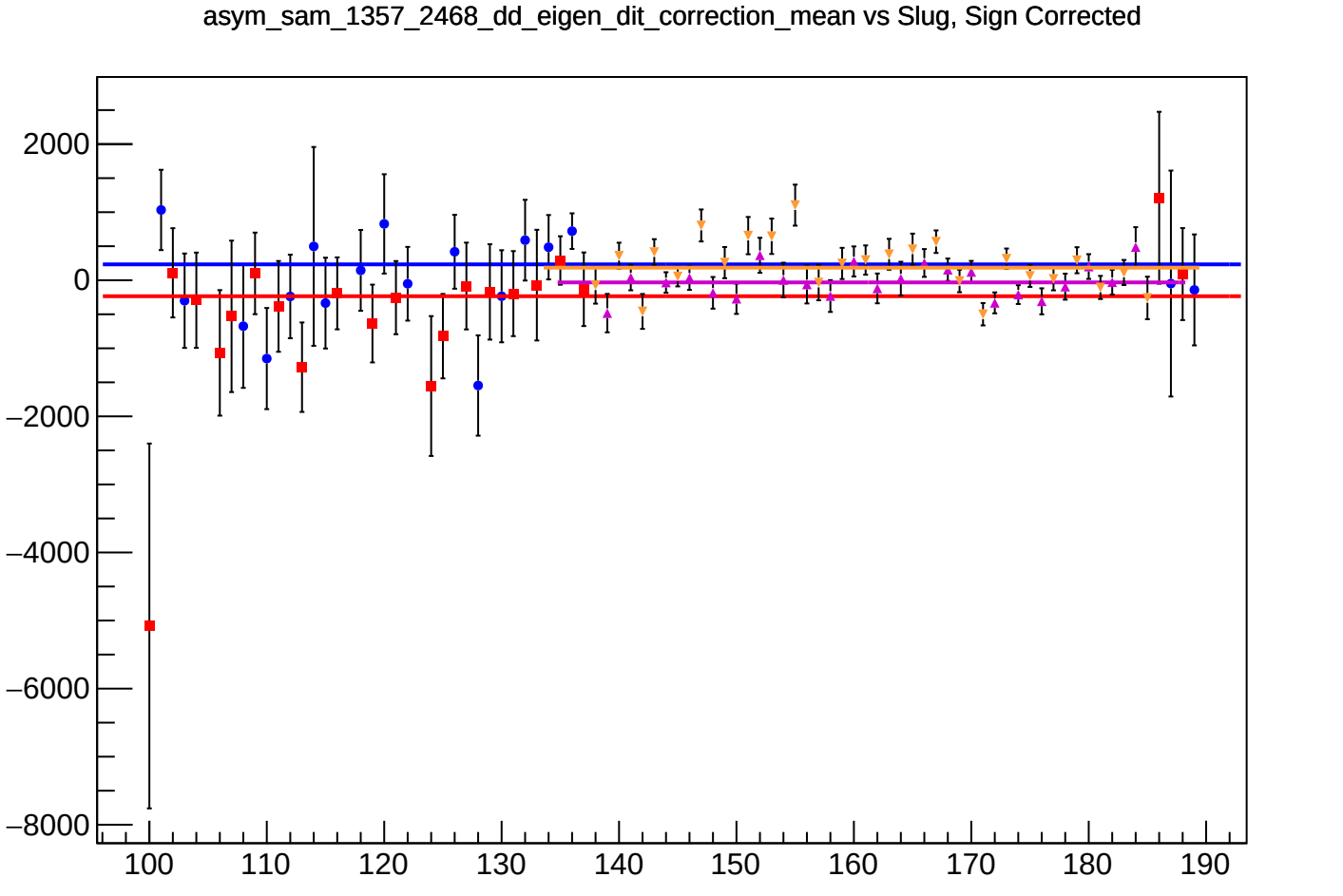
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 36.090+/-0.006 χ^2/NDF: 2114685.5/38

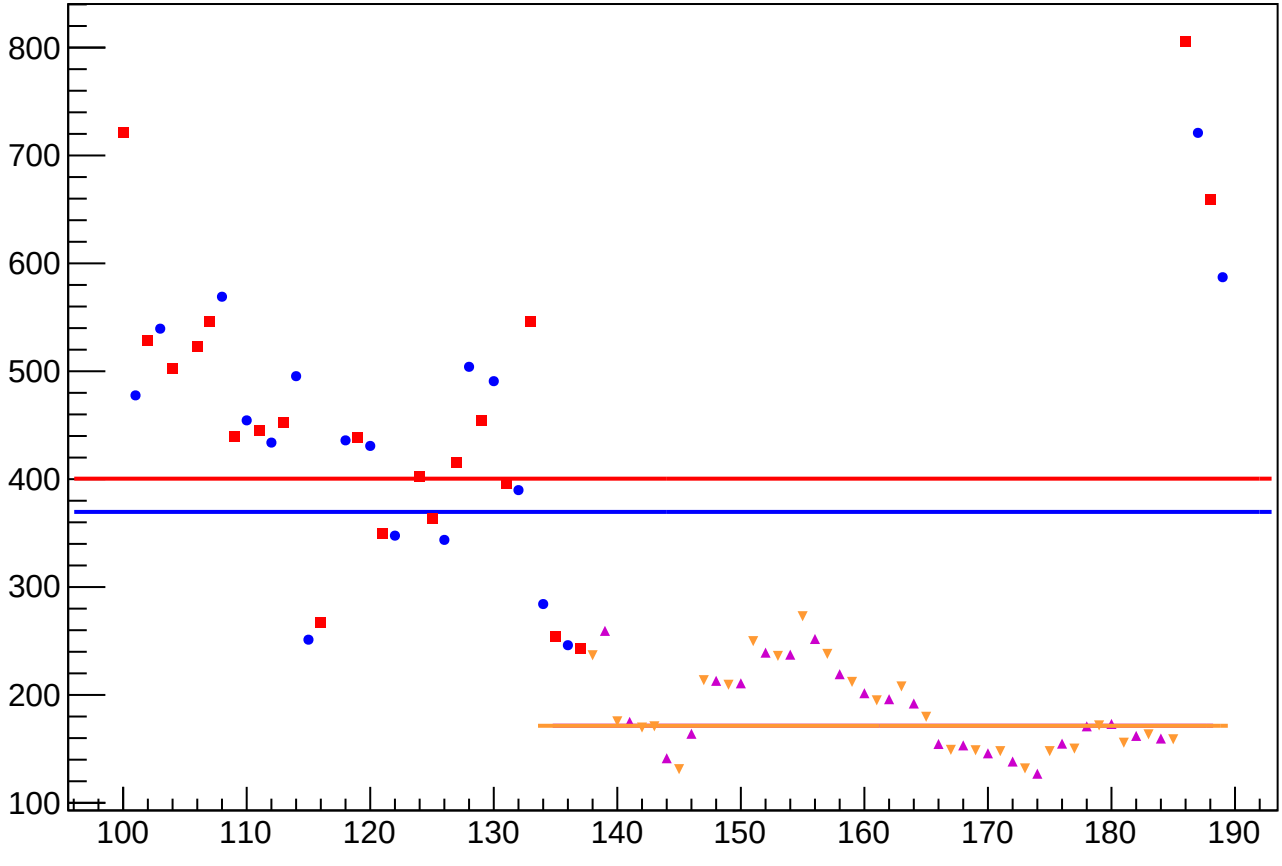
In: 28.746+/-0.004 χ^2/NDF:2491771.1/40

Out: 28.885+/-0.004 χ^2/NDF:3658492.8/45

All: 28.817+/-0.003 χ^2/NDF: 6150840.4/86


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 233.376+/-137.765 χ²/NDF: 20.0/17
Left Out: 184.674+/-39.832 χ²/NDF:67.7/24
Right Out: -234.719+/-141.157 χ²/NDF: 14.2/20
Left In: -31.891+/-40.975 χ²/NDF:26.4/22
Left: 79.454+/-28.561 χ²/NDF: 108.4/47
Right: 5.020+/-98.592 χ²/NDF: 39.9/38
In: -10.332+/-39.274 χ²/NDF:49.8/40
Out: 153.742+/-38.335 χ²/NDF:90.1/45
All: 73.691+/-27.433 χ²/NDF: 148.8/86

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 369.643+/-0.097 χ^2/NDF: 1332929.4/17

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 400.460+/-0.100 χ^2/NDF: 1490706.6/20

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

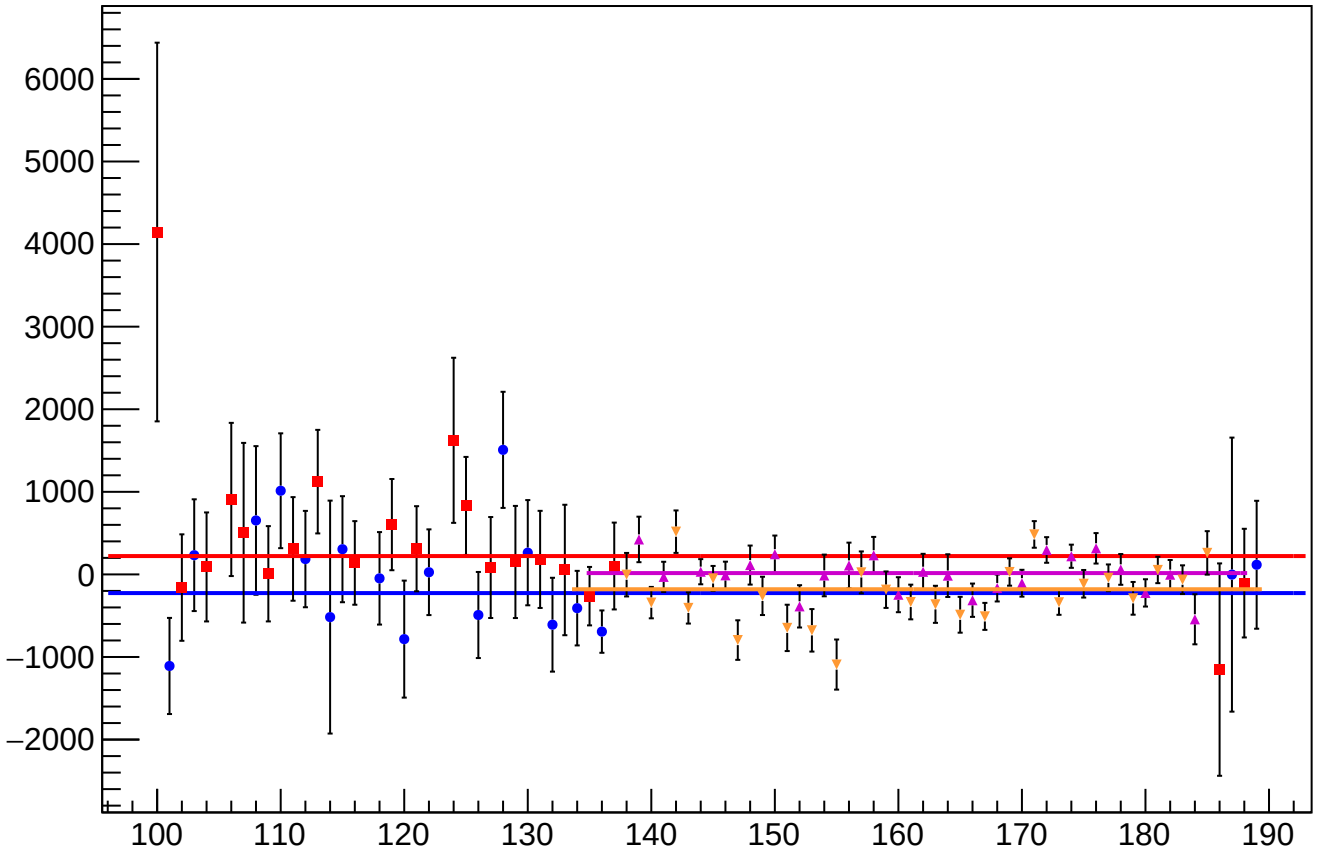
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 384.677+/-0.070 χ^2/NDF: 2872458.4/38

In: 187.594+/-0.028 χ^2/NDF:6550087.4/40

Out: 188.318+/-0.027 χ^2/NDF:7894539.7/45

All: 187.965+/-0.019 χ^2/NDF: 14444975.8/86



Right In: -226.085+/-132.900 χ^2/NDF: 20.2/17

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 222.128+/-136.546 χ^2/NDF: 13.1/20

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

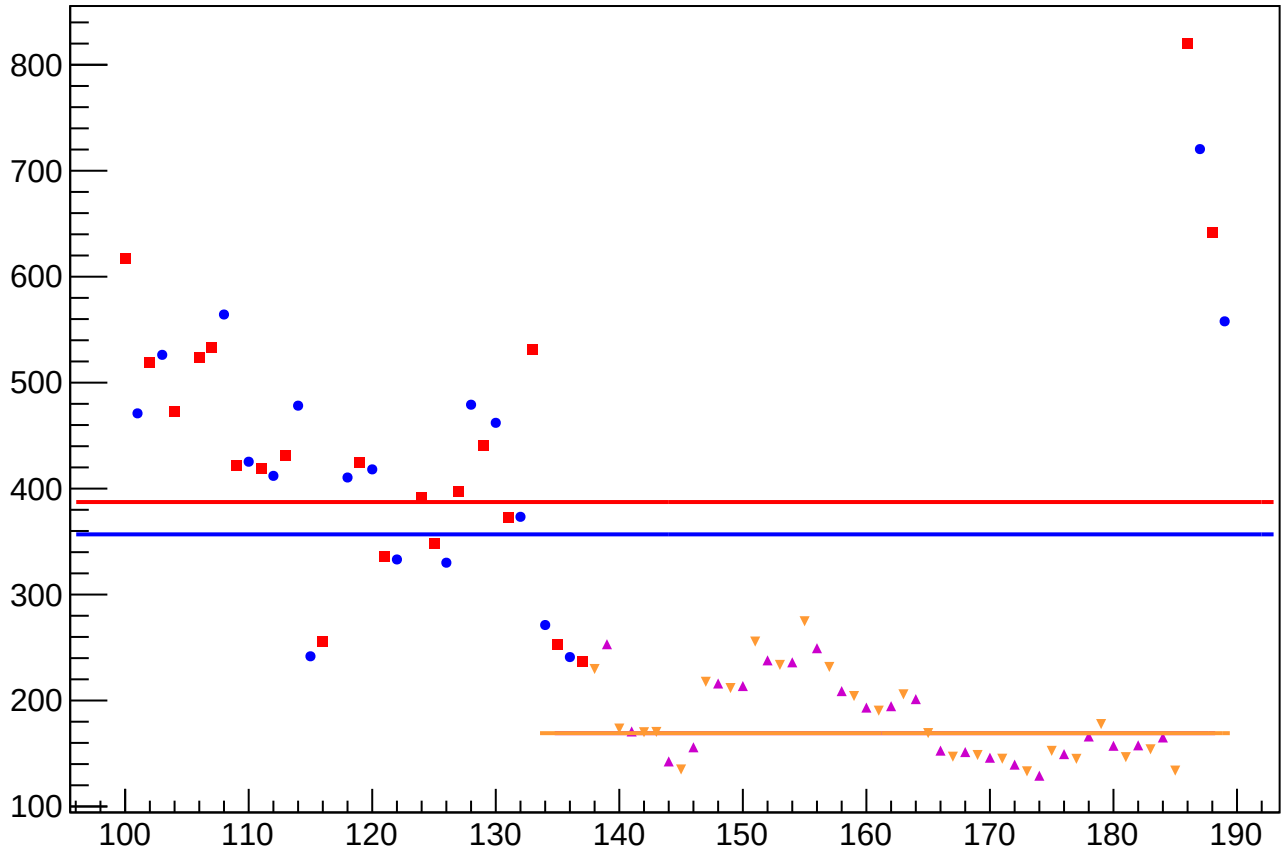
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -8.042+/-95.237 χ^2/NDF: 38.8/38

In: -4.423+/-38.650 χ^2/NDF:49.8/40

Out: -148.827+/-37.823 χ^2/NDF:88.2/45

All: -78.186+/-27.033 χ^2/NDF: 145.2/86



Right In: 356.812+/-0.094 χ^2/NDF: 1295655.8/17

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 387.321+/-0.097 χ^2/NDF: 1471262.9/20

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

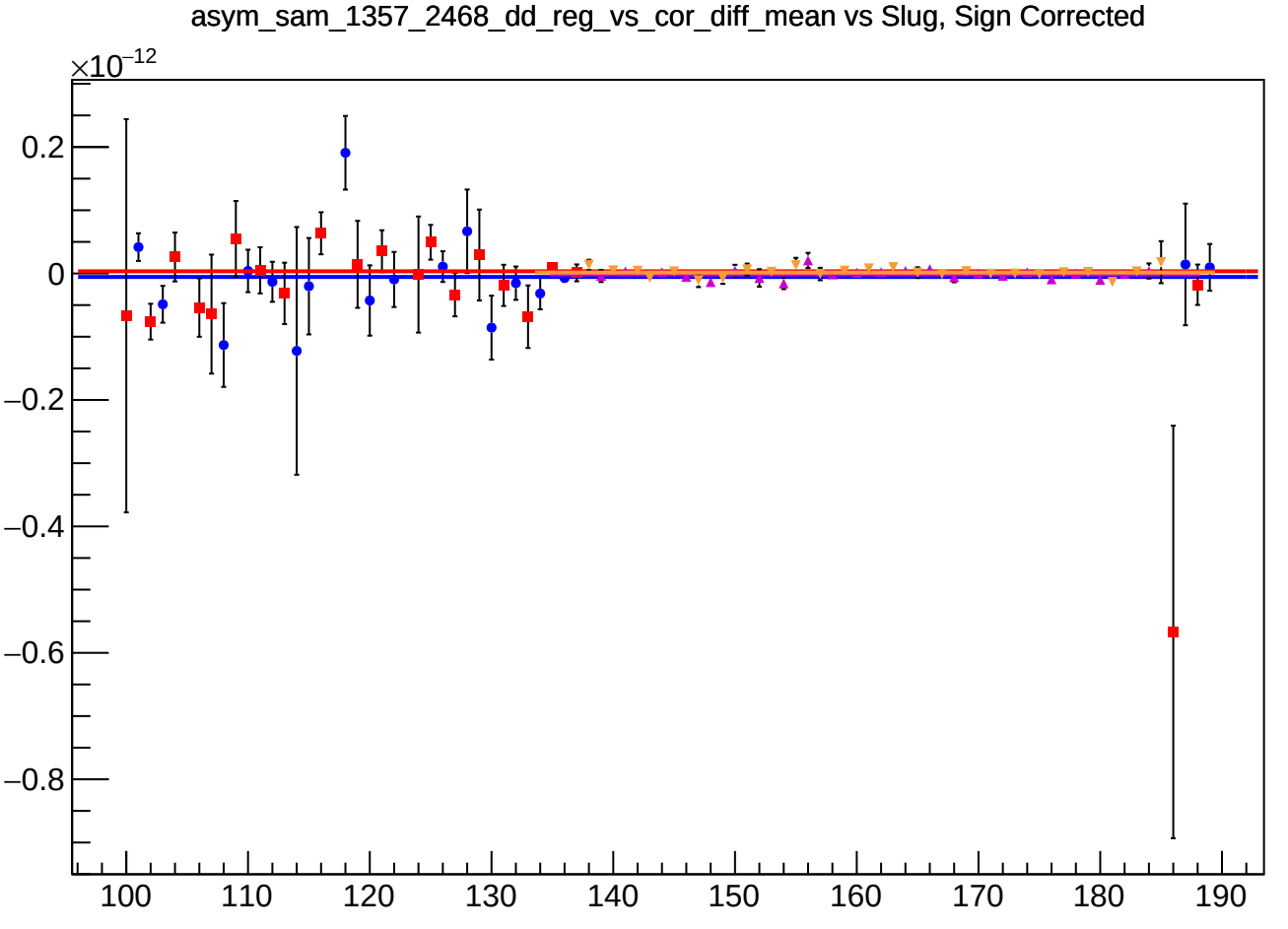
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 371.654+/-0.067 χ^2/NDF: 2818191.3/38

In: 185.056+/-0.027 χ^2/NDF:6319194.5/40

Out: 185.919+/-0.027 χ^2/NDF:7731735.3/45

All: 185.497+/-0.019 χ^2/NDF: 14051439.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/17

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/20

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

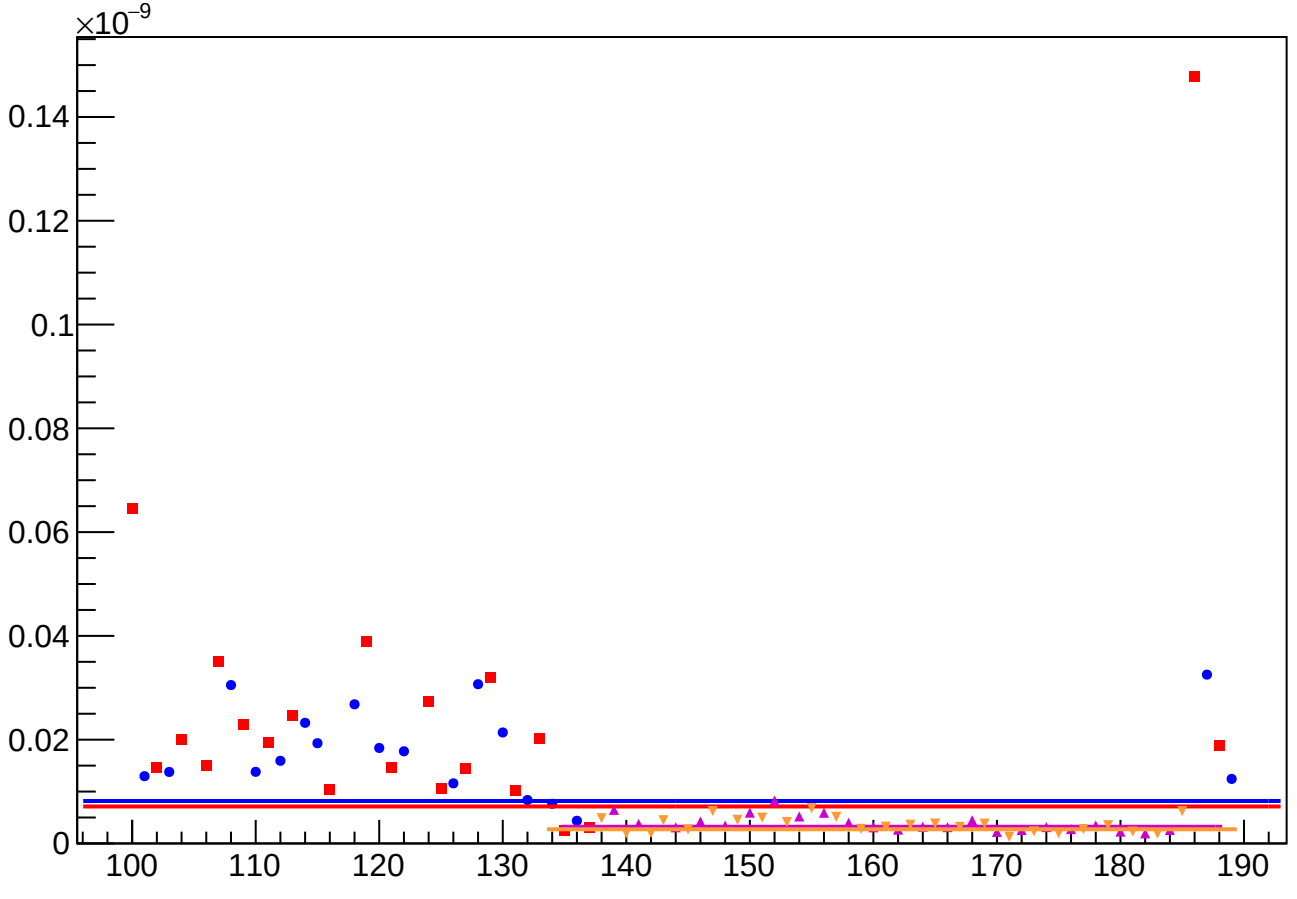
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 55.3/38

In: -0.000+/-0.000 χ^2/NDF:47.7/40

Out: 0.000+/-0.000 χ^2/NDF:45.4/45

All: 0.000+/-0.000 χ^2/NDF: 96.6/86



Right In: 0.000+/-0.000 χ^2/NDF: 2106531.1/17

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4033689.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

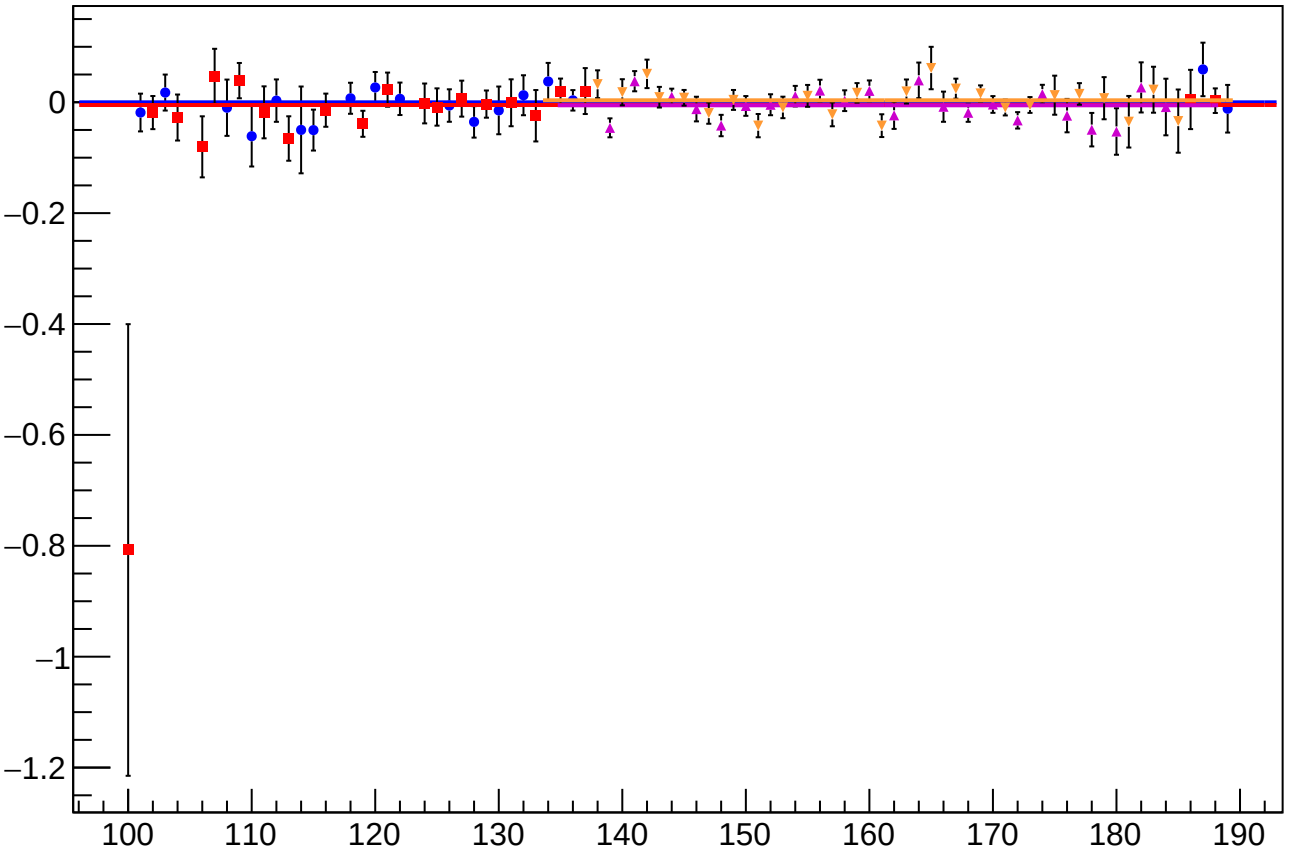
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6176511.7/38

In: 0.000+/-0.000 χ^2/NDF:4943187.8/40

Out: 0.000+/-0.000 χ^2/NDF:7189275.8/45

All: 0.000+/-0.000 χ^2/NDF: 12342323.0/86



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

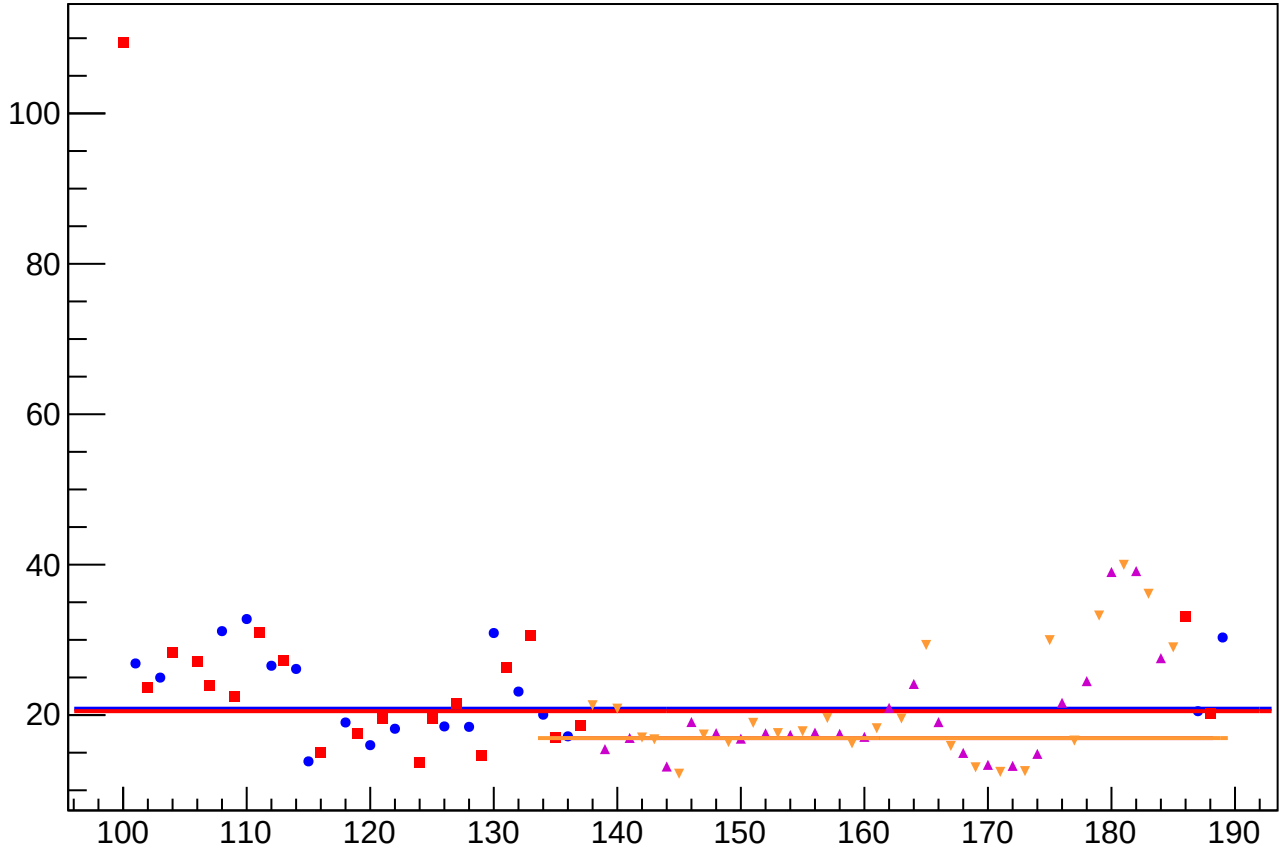
Right: -0.003+/-0.005 χ^2/NDF: 26.5/38

In: -0.004+/-0.004 χ^2/NDF:43.4/40

Out: 0.001+/-0.004 χ^2/NDF:44.4/45

All: -0.001+/-0.003 χ^2/NDF: 89.1/86

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.846+/-0.006 χ^2/NDF: 806465.3/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977624.9/20

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

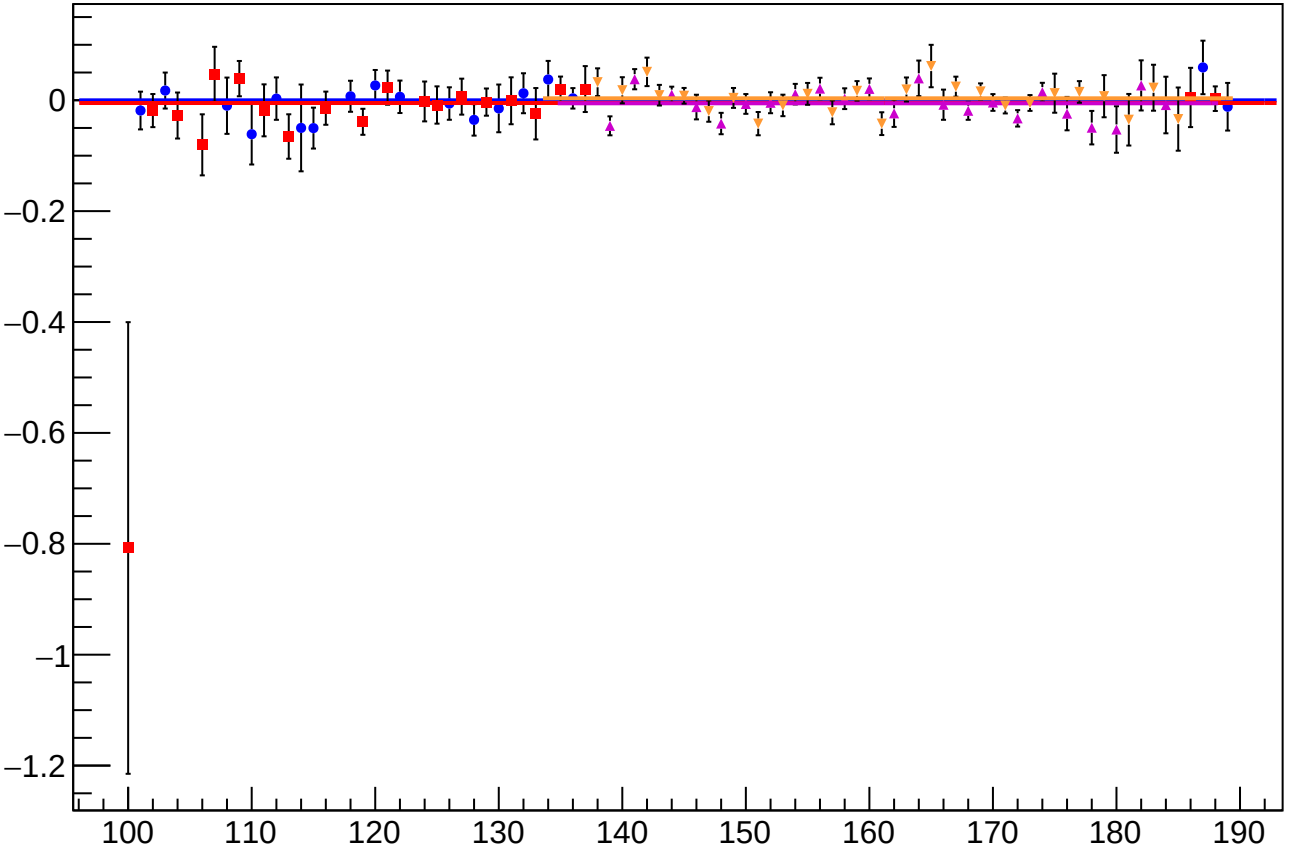
Right: 20.673+/-0.004 χ^2/NDF: 1785939.7/38

In: 17.814+/-0.003 χ^2/NDF:3135513.4/40

Out: 17.784+/-0.003 χ^2/NDF:4176279.6/45

All: 17.799+/-0.002 χ^2/NDF: 7311860.7/86

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

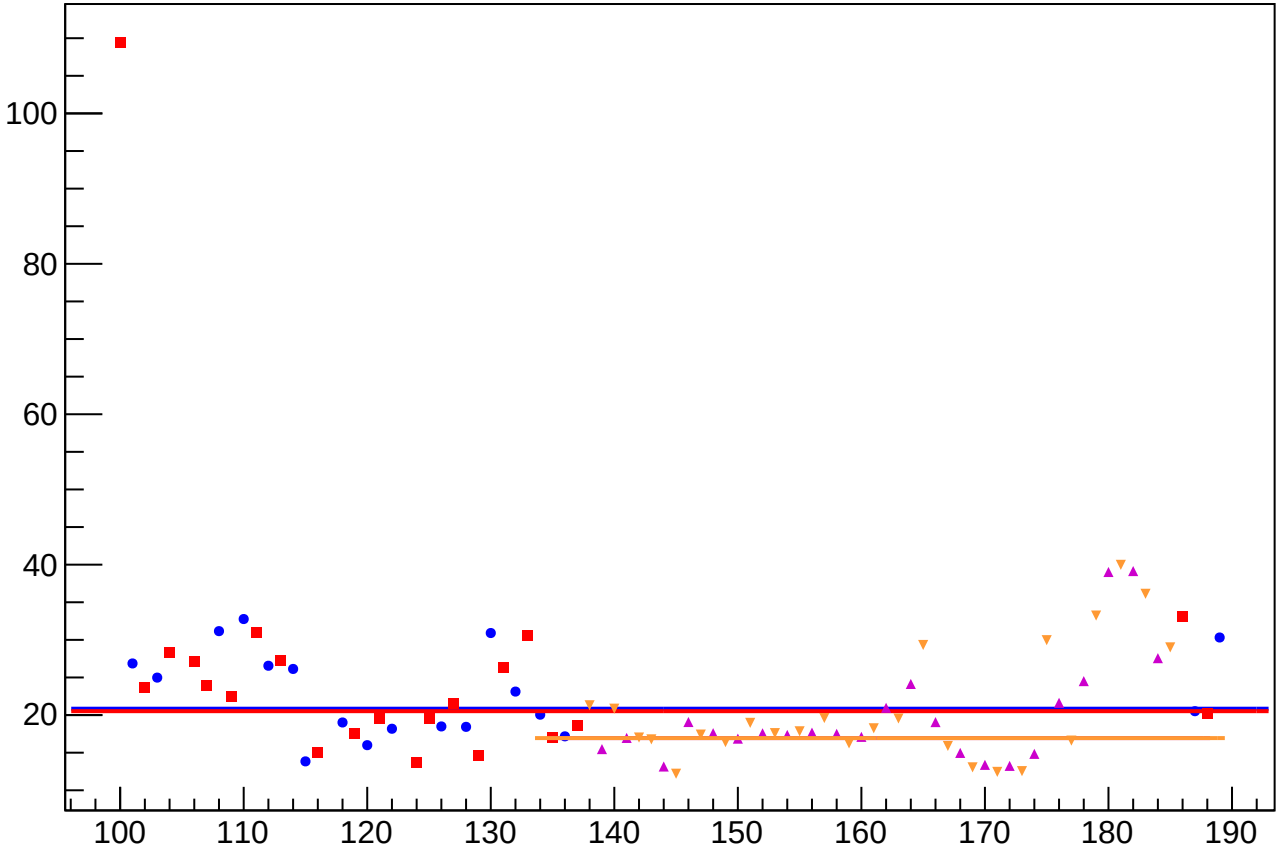
Right: -0.003+/-0.005 χ^2/NDF: 26.5/38

In: -0.004+/-0.004 χ^2/NDF:43.4/40

Out: 0.001+/-0.004 χ^2/NDF:44.4/45

All: -0.001+/-0.003 χ^2/NDF: 89.1/86

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.846+/-0.006 χ^2/NDF: 806465.3/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977624.9/20

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

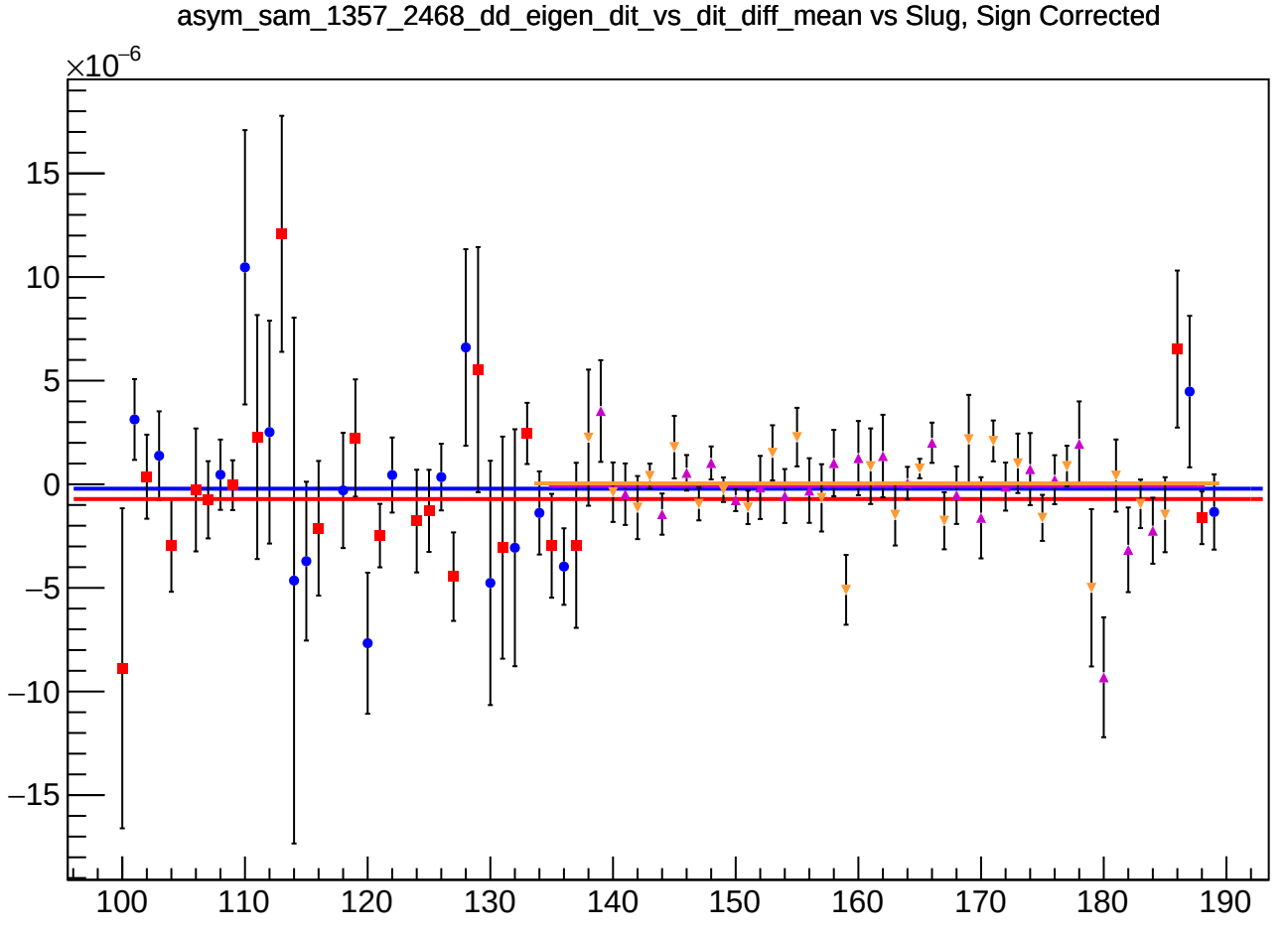
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.673+/-0.004 χ^2/NDF: 1785939.7/38

In: 17.814+/-0.003 χ^2/NDF:3135513.4/40

Out: 17.784+/-0.003 χ^2/NDF:4176279.6/45

All: 17.799+/-0.002 χ^2/NDF: 7311860.7/86



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/17

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/20

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

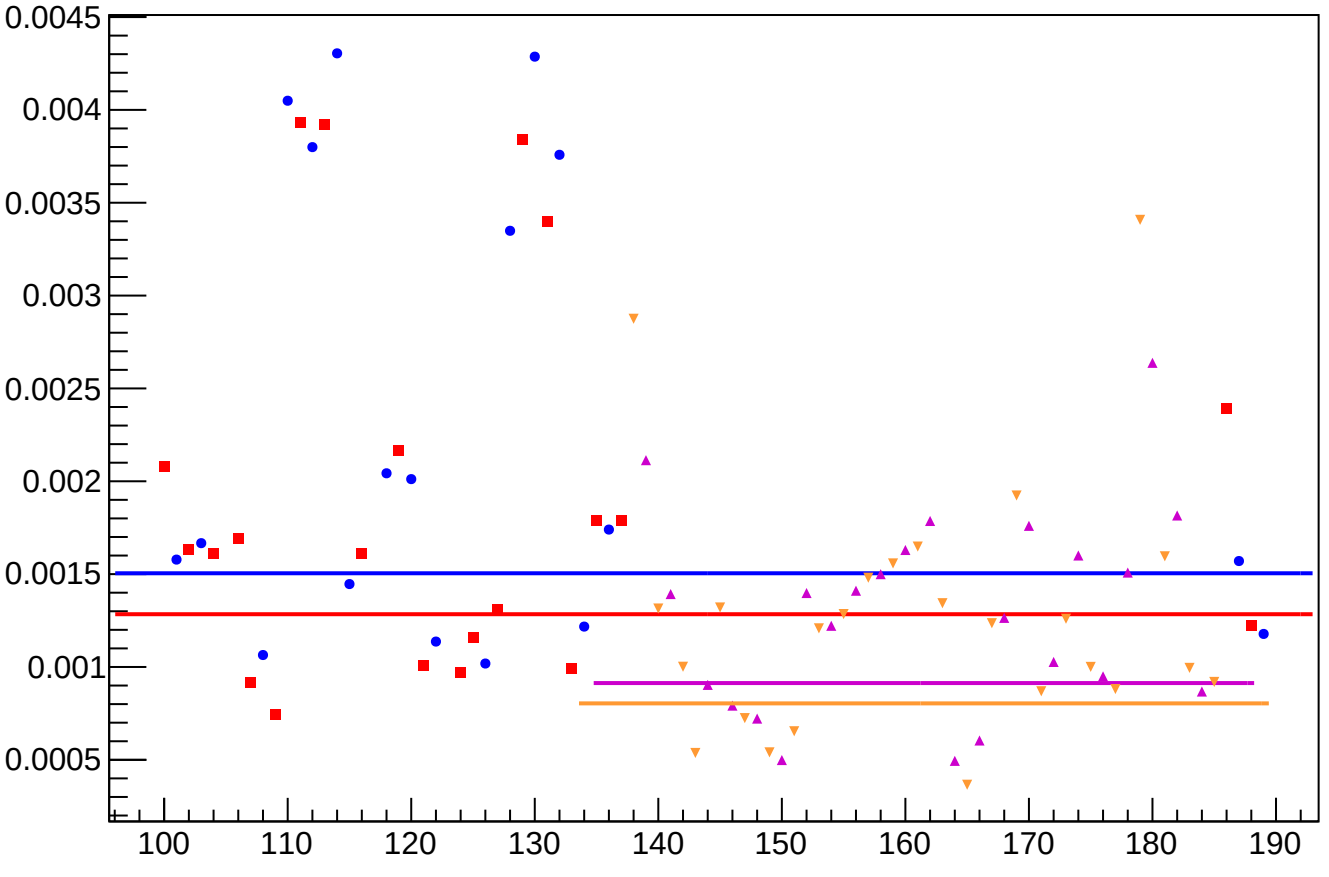
Right: -0.000+/-0.000 χ^2/NDF: 47.5/38

In: -0.000+/-0.000 χ^2/NDF:52.9/40

Out: -0.000+/-0.000 χ^2/NDF:64.4/45

All: -0.000+/-0.000 χ^2/NDF: 117.3/86

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2489261.0/17

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2844542.4/20

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

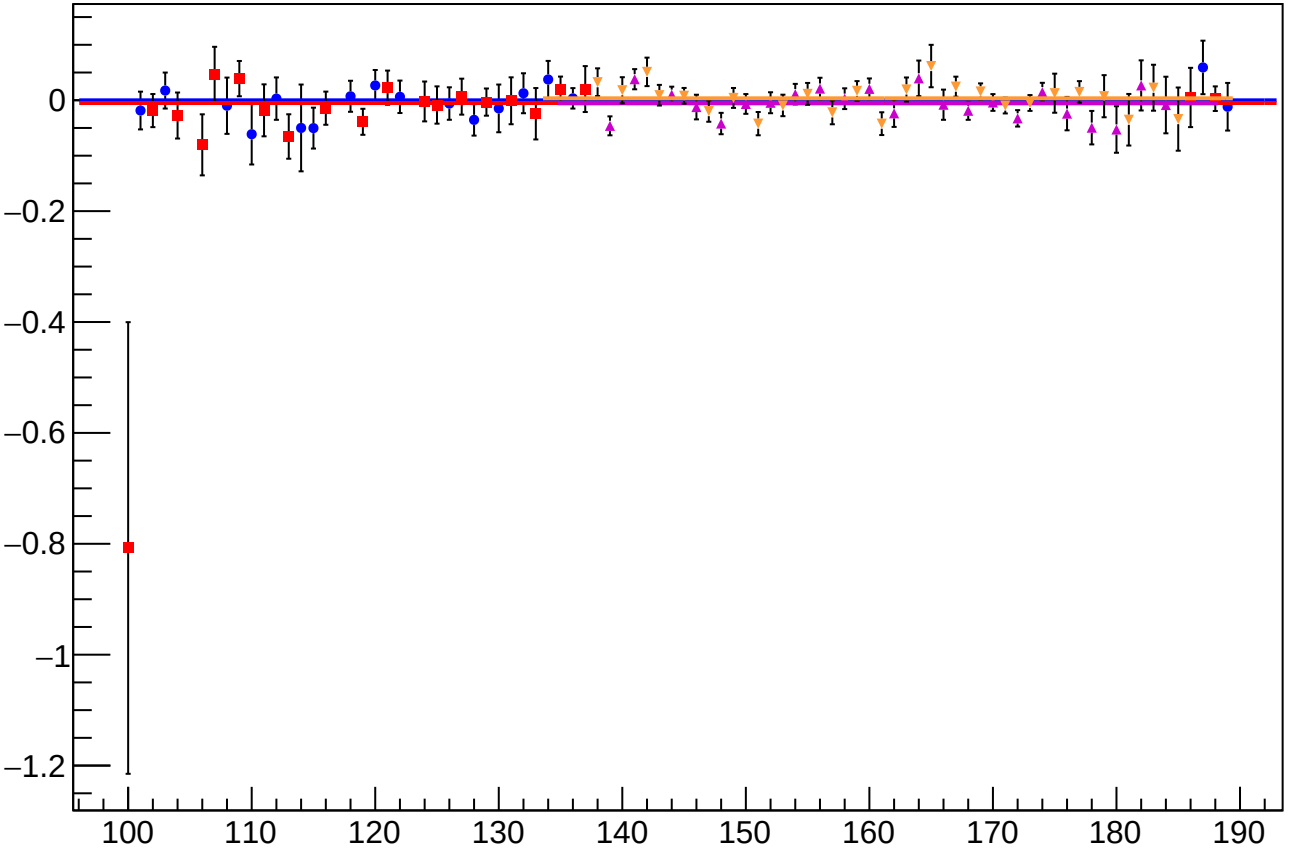
Right: 0.001+/-0.000 χ^2/NDF: 5502385.1/38

In: 0.001+/-0.000 χ^2/NDF:10660718.7/40

Out: 0.001+/-0.000 χ^2/NDF:12784506.8/45

All: 0.001+/-0.000 χ^2/NDF: 23773604.2/86

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

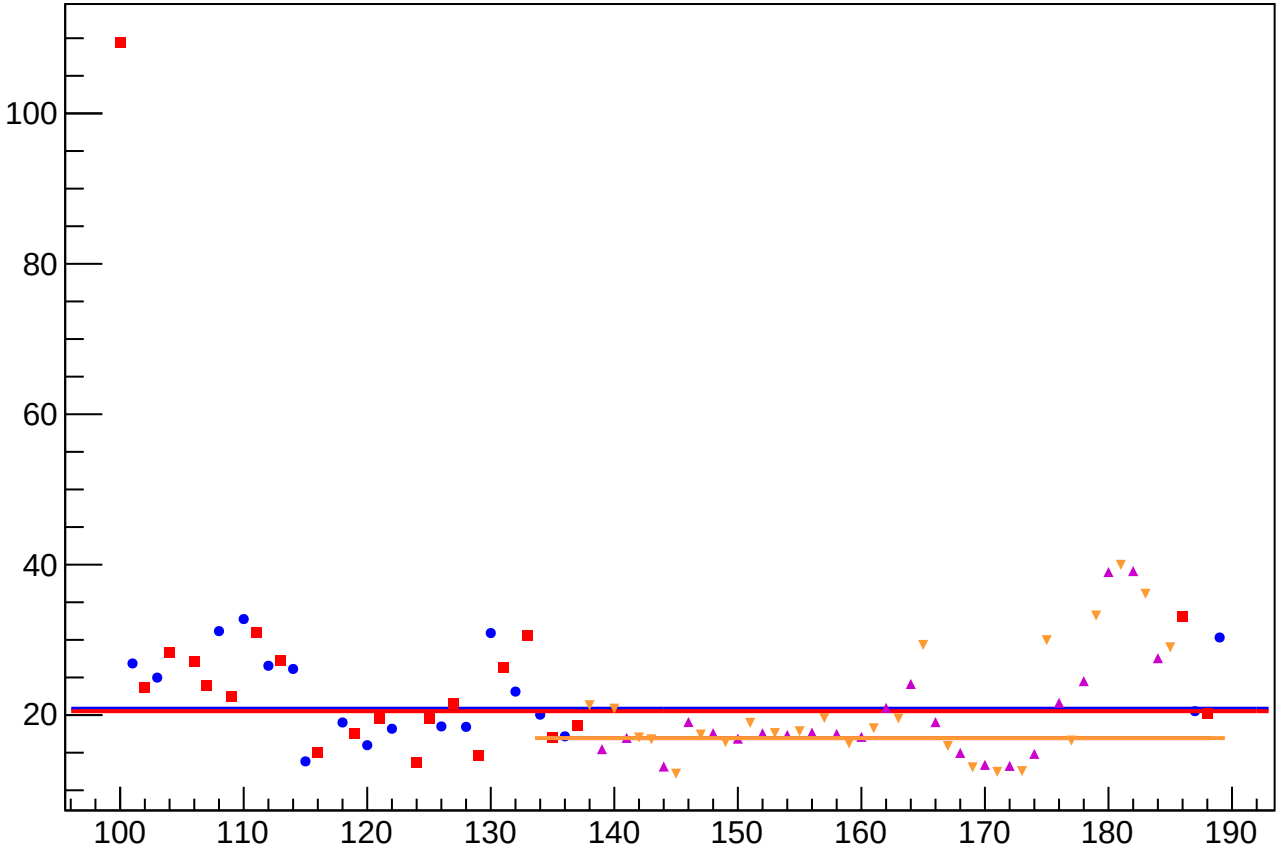
Right: -0.003+/-0.005 χ^2/NDF: 26.5/38

In: -0.004+/-0.004 χ^2/NDF:43.4/40

Out: 0.001+/-0.004 χ^2/NDF:44.4/45

All: -0.001+/-0.003 χ^2/NDF: 89.1/86

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.845+/-0.006 χ^2/NDF: 806359.9/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977646.7/20

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

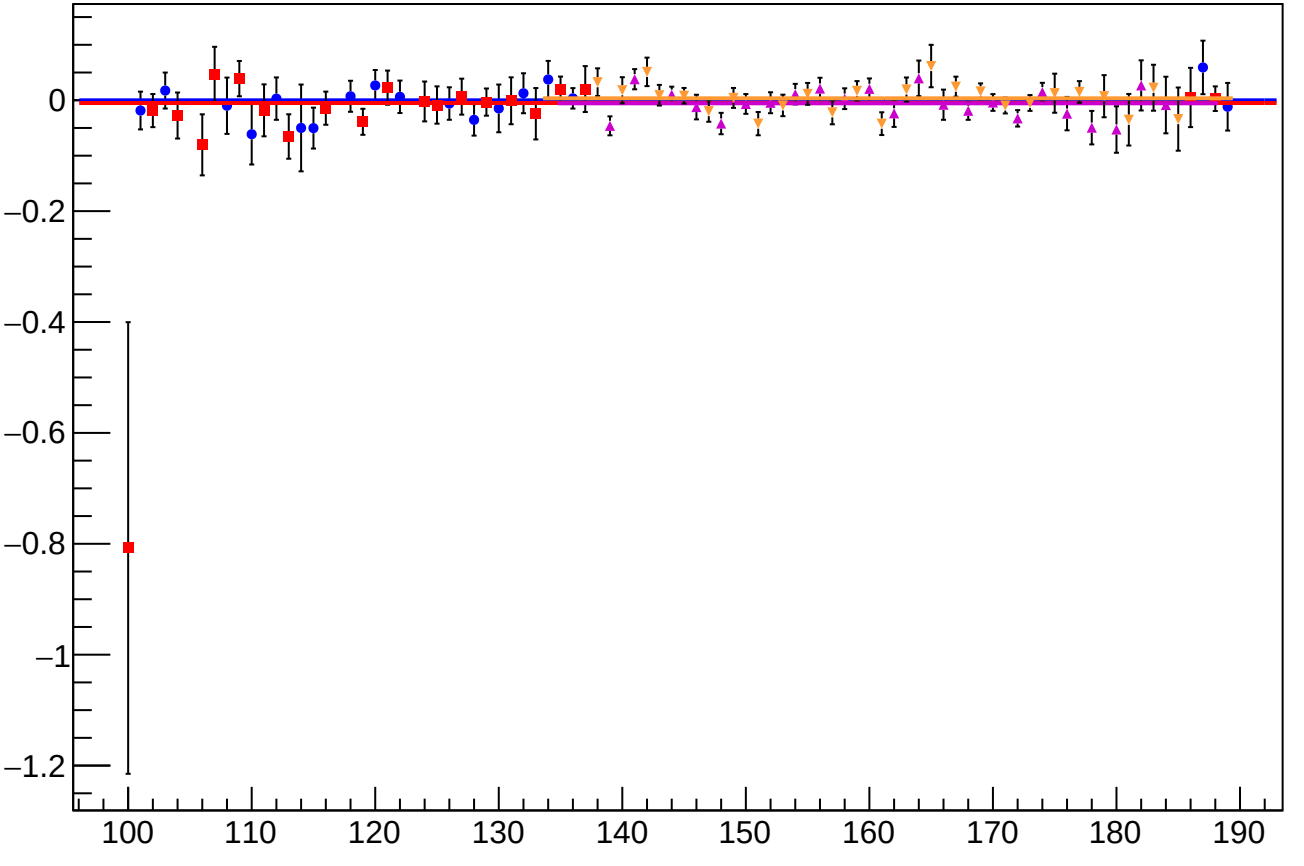
Right: 20.672+/-0.004 χ^2/NDF: 1785856.7/38

In: 17.814+/-0.003 χ^2/NDF:3135282.7/40

Out: 17.784+/-0.003 χ^2/NDF:4176143.5/45

All: 17.799+/-0.002 χ^2/NDF: 7311493.9/86

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.008 χ^2/NDF: 9.9/17

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

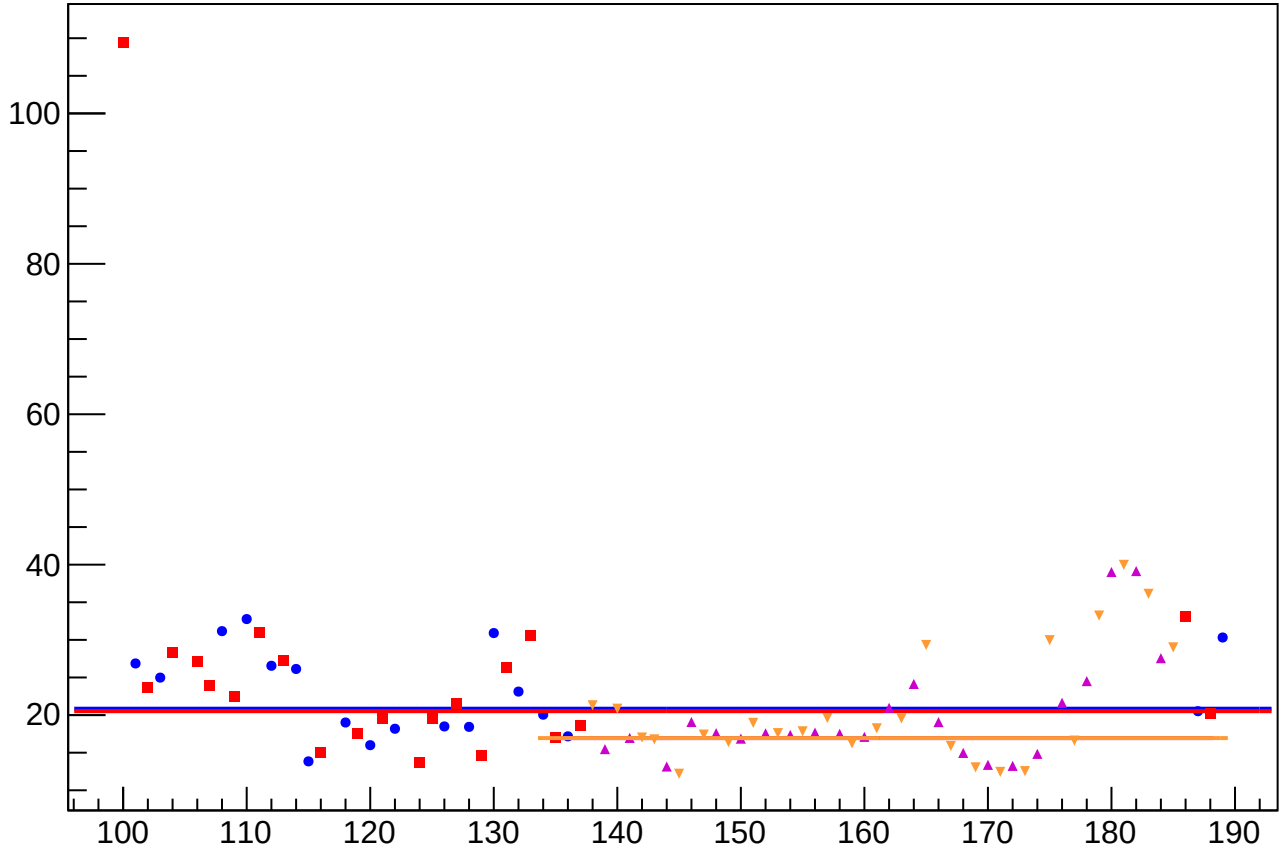
Right: -0.003+/-0.005 χ^2/NDF: 26.5/38

In: -0.004+/-0.004 χ^2/NDF:43.4/40

Out: 0.001+/-0.004 χ^2/NDF:44.4/45

All: -0.001+/-0.003 χ^2/NDF: 89.1/86

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.845+/-0.006 χ^2/NDF: 806359.9/17

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977646.7/20

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

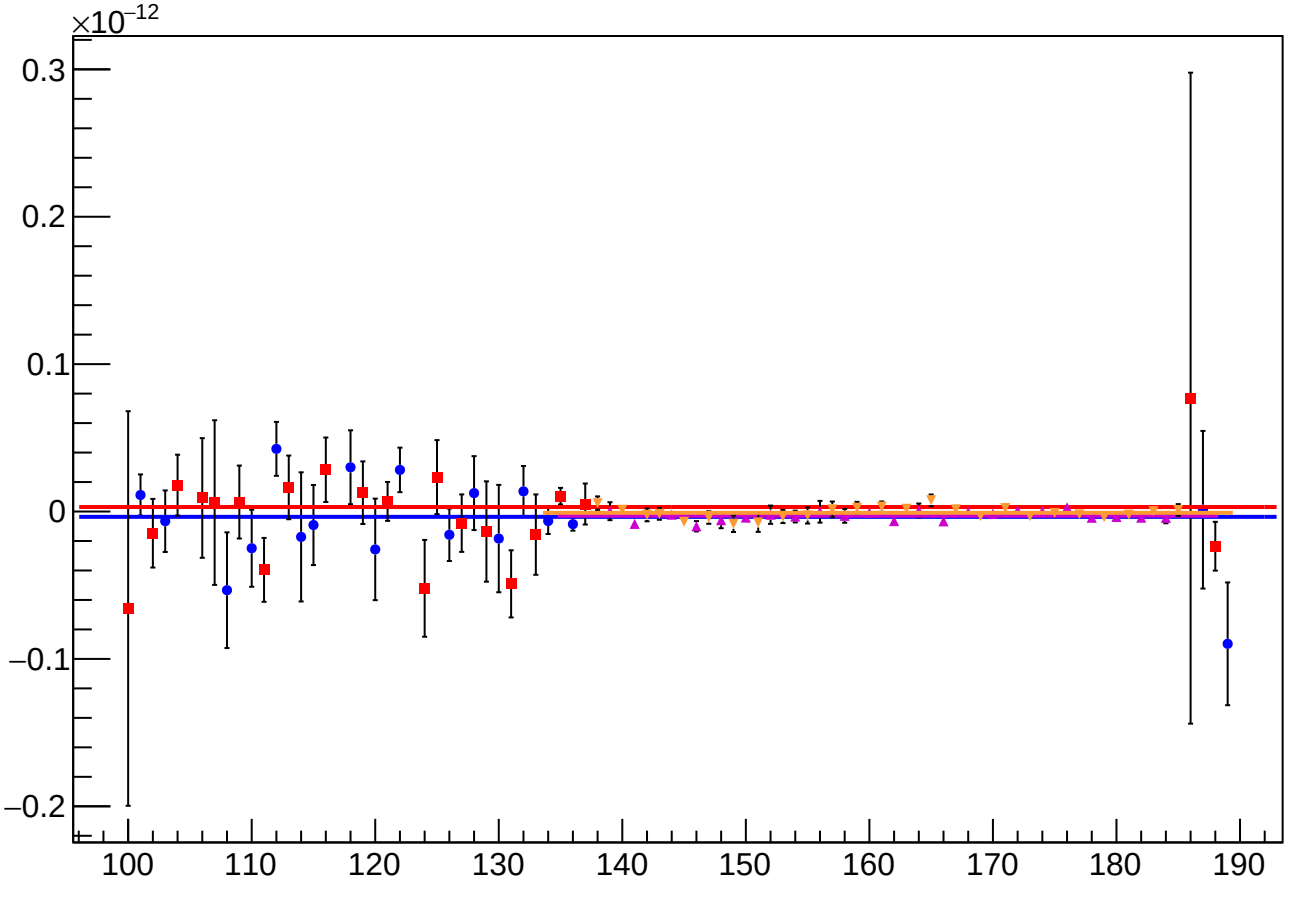
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 20.672+/-0.004 χ^2/NDF: 1785856.7/38

In: 17.814+/-0.003 χ^2/NDF:3135282.7/40

Out: 17.784+/-0.003 χ^2/NDF:4176143.5/45

All: 17.799+/-0.002 χ^2/NDF: 7311493.9/86



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/17

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/20

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

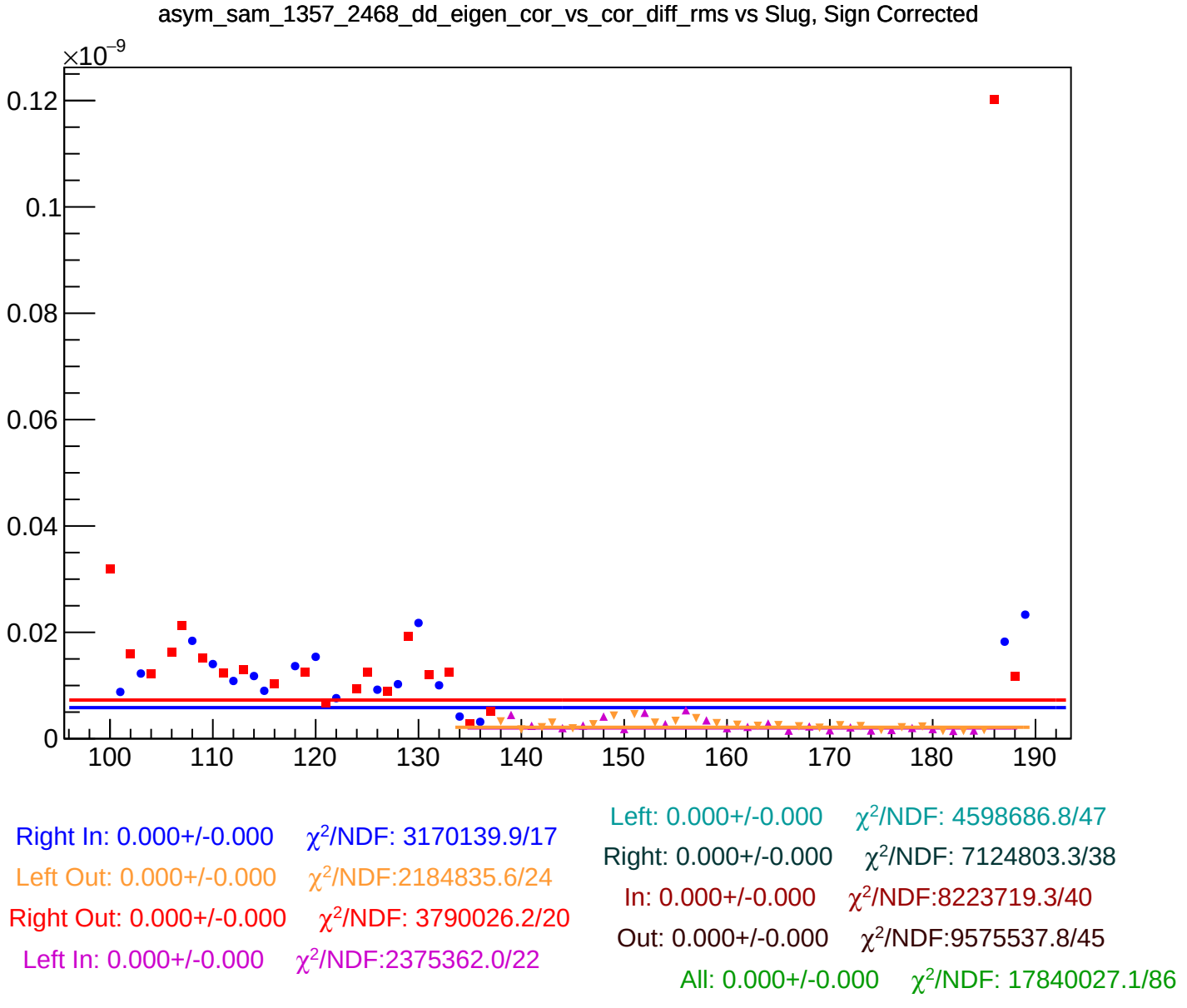
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

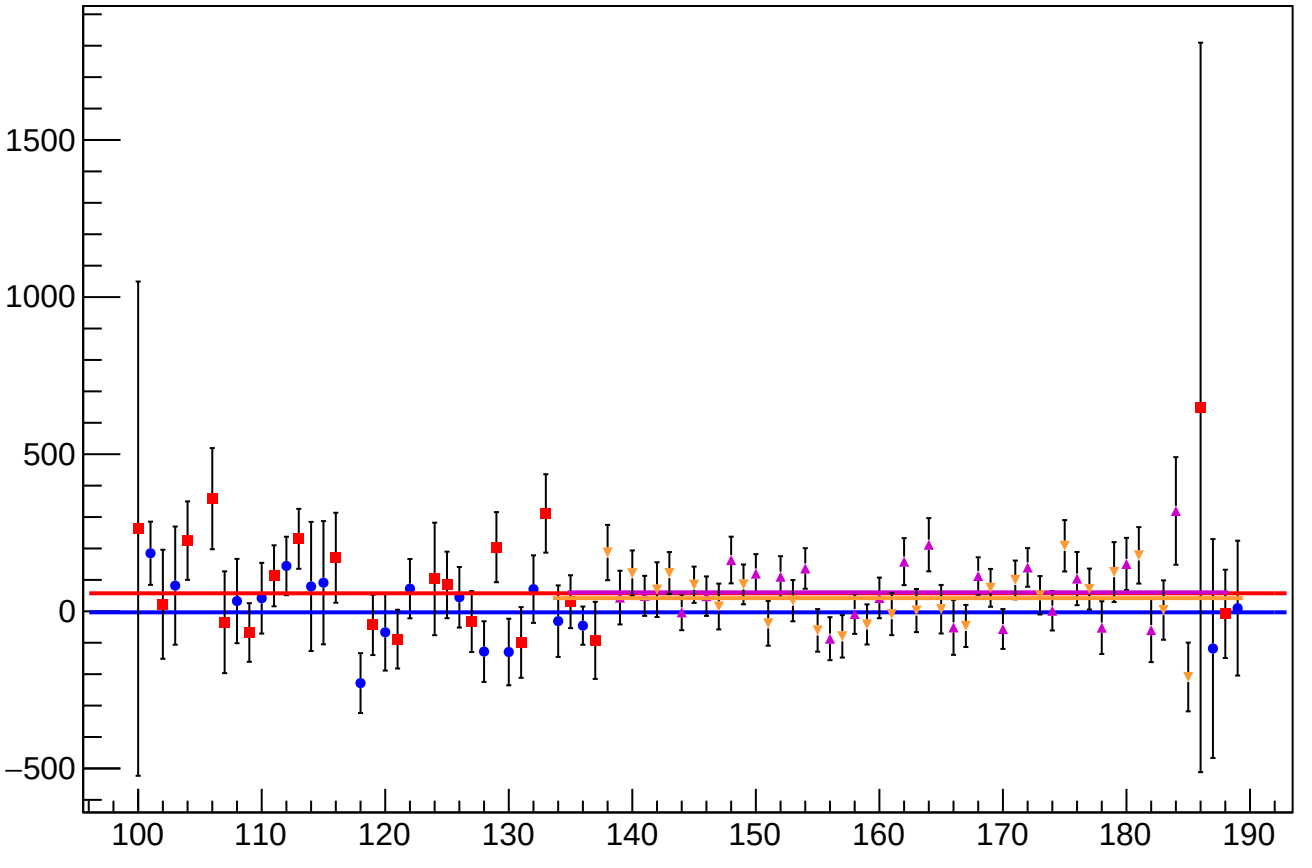
Right: -0.000+/-0.000 χ^2/NDF: 47.5/38

In: -0.000+/-0.000 χ^2/NDF:47.4/40

Out: -0.000+/-0.000 χ^2/NDF:46.1/45

All: -0.000+/-0.000 χ^2/NDF: 99.3/86


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3170139.9/17
Left Out: 0.000+/-0.000 χ²/NDF:2184835.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3790026.2/20
Left In: 0.000+/-0.000 χ²/NDF:2375362.0/22
Left: 0.000+/-0.000 χ²/NDF: 4598686.8/47
Right: 0.000+/-0.000 χ²/NDF: 7124803.3/38
In: 0.000+/-0.000 χ²/NDF:8223719.3/40
Out: 0.000+/-0.000 χ²/NDF:9575537.8/45
All: 0.000+/-0.000 χ²/NDF: 17840027.1/86



Right In: -3.219+/-25.947 χ^2/NDF: 17.8/17

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 57.344+/-25.923 χ^2/NDF: 26.2/20

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

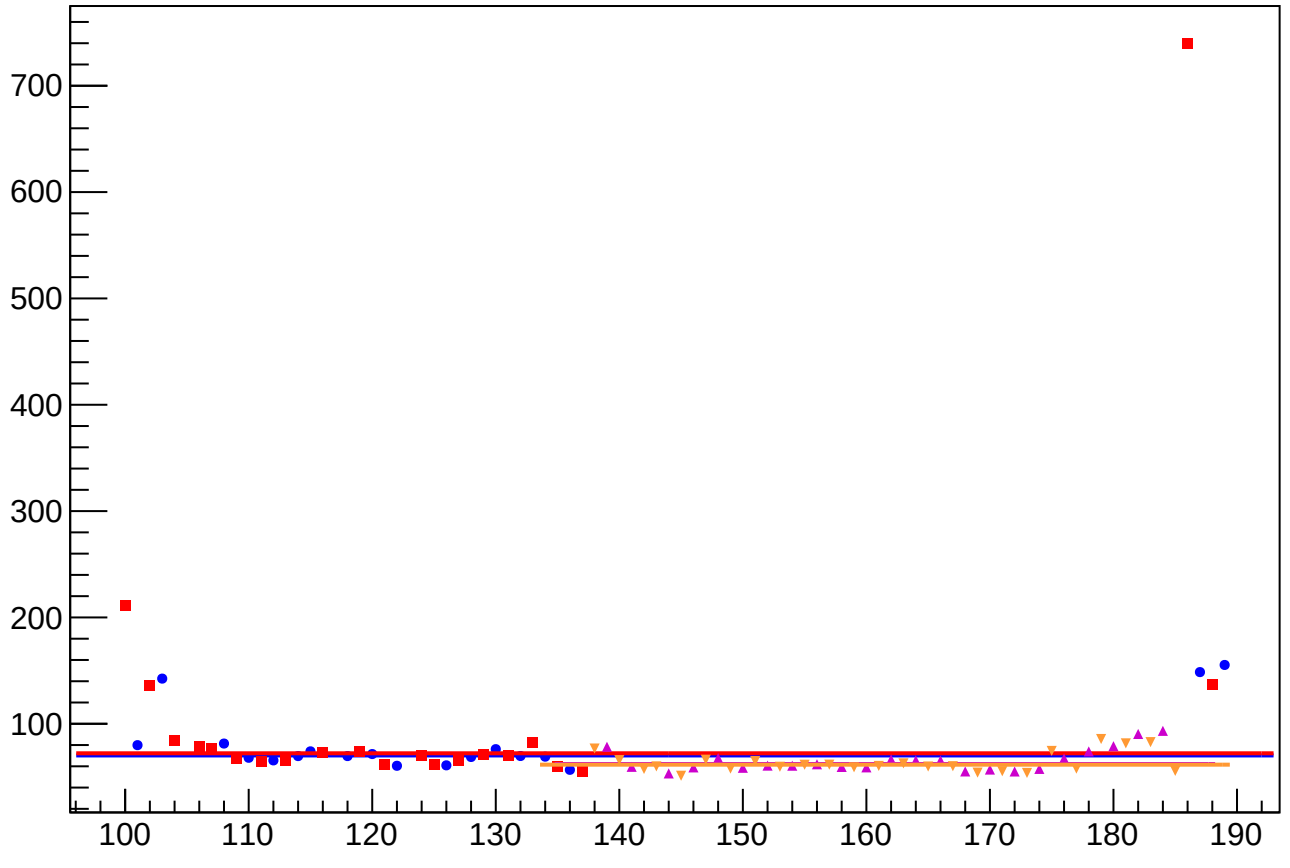
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 27.091+/-18.339 χ^2/NDF: 46.7/38

In: 44.902+/-12.799 χ^2/NDF:54.6/40

Out: 45.543+/-12.441 χ^2/NDF:58.5/45

All: 45.232+/-8.921 χ^2/NDF: 113.1/86



Right In: 70.212+/-0.018 χ^2/NDF: 896246.0/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 72.246+/-0.018 χ^2/NDF: 1625264.5/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

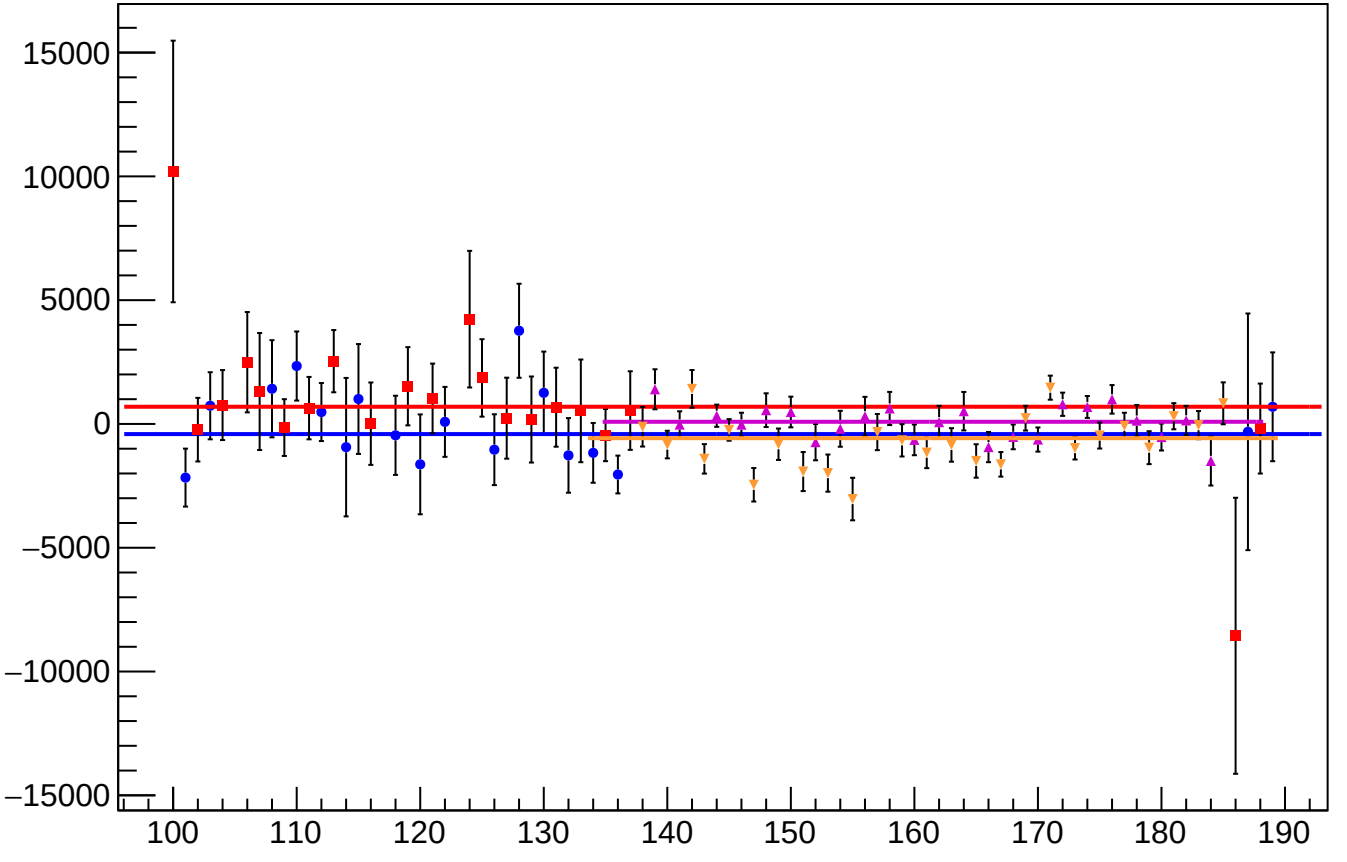
Right: 71.230+/-0.013 χ^2/NDF: 2527656.6/38

In: 64.108+/-0.009 χ^2/NDF:1639310.8/40

Out: 64.009+/-0.009 χ^2/NDF:2525436.4/45

All: 64.057+/-0.006 χ^2/NDF: 4164808.2/86

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -409.179+/-343.674 χ^2/NDF: 20.8/17

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 694.962+/-345.901 χ^2/NDF: 14.4/20

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

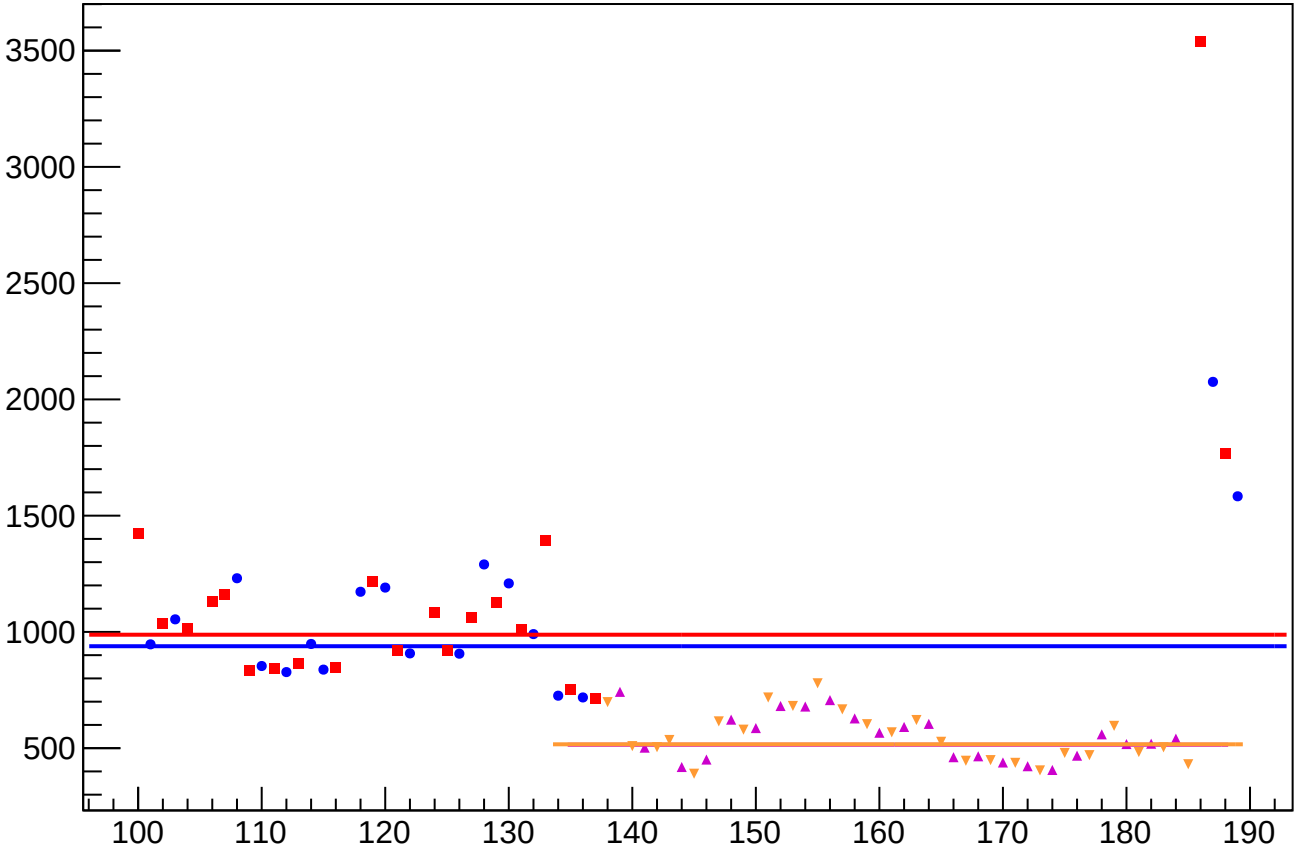
Right: 139.325+/-243.798 χ^2/NDF: 40.3/38

In: 32.256+/-115.383 χ^2/NDF:47.3/40

Out: -438.947+/-113.149 χ^2/NDF:95.2/45

All: -207.951+/-80.786 χ^2/NDF: 150.9/86

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 938.476+/-0.243 χ^2/NDF: 802630.9/17

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 987.948+/-0.245 χ^2/NDF: 1228586.9/20

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

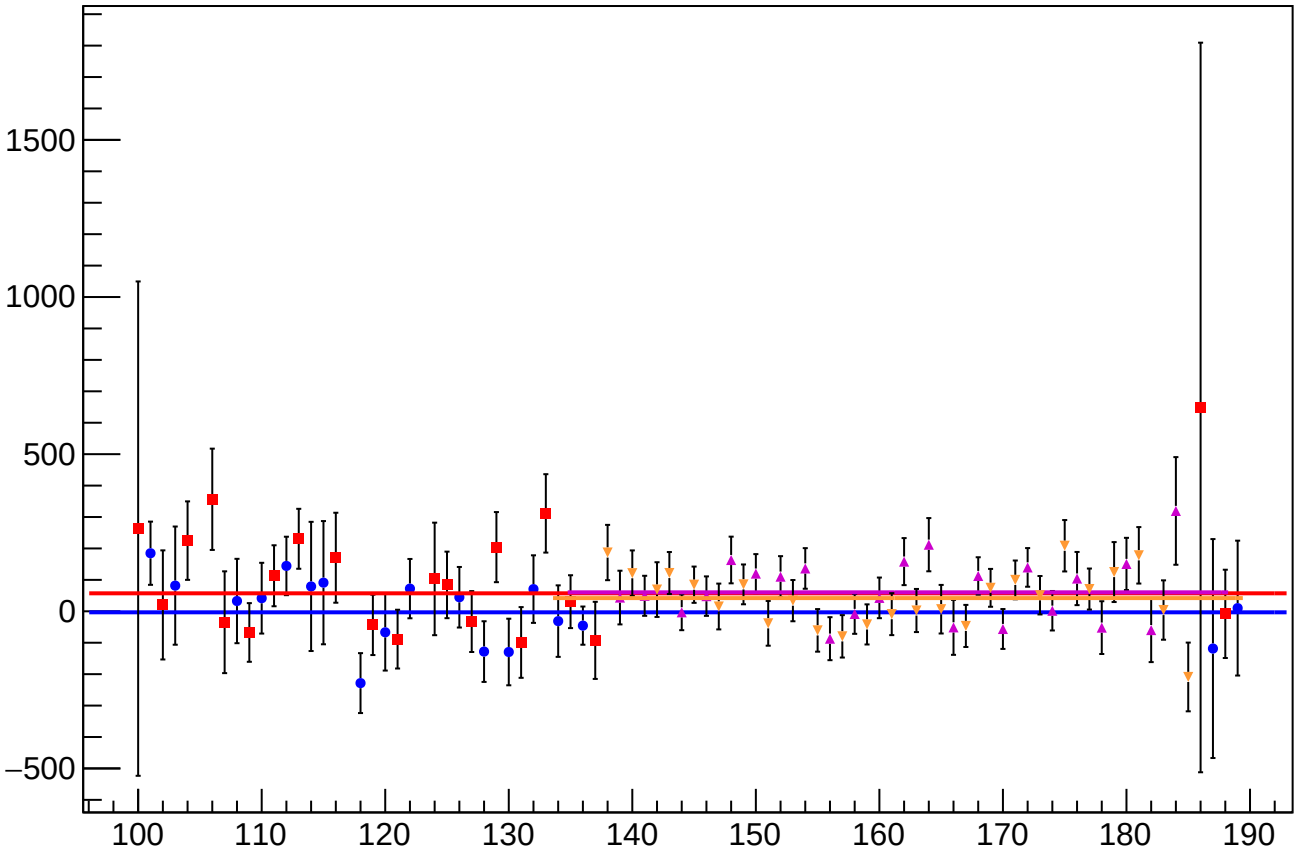
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 963.052+/-0.172 χ^2/NDF: 2051805.6/38

In: 562.538+/-0.082 χ^2/NDF:4620225.5/40

Out: 567.067+/-0.080 χ^2/NDF:5809590.3/45

All: 564.847+/-0.057 χ^2/NDF: 10431386.5/86



Right In: -3.226+/-25.947 χ^2/NDF: 17.8/17

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 57.225+/-25.924 χ^2/NDF: 26.1/20

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

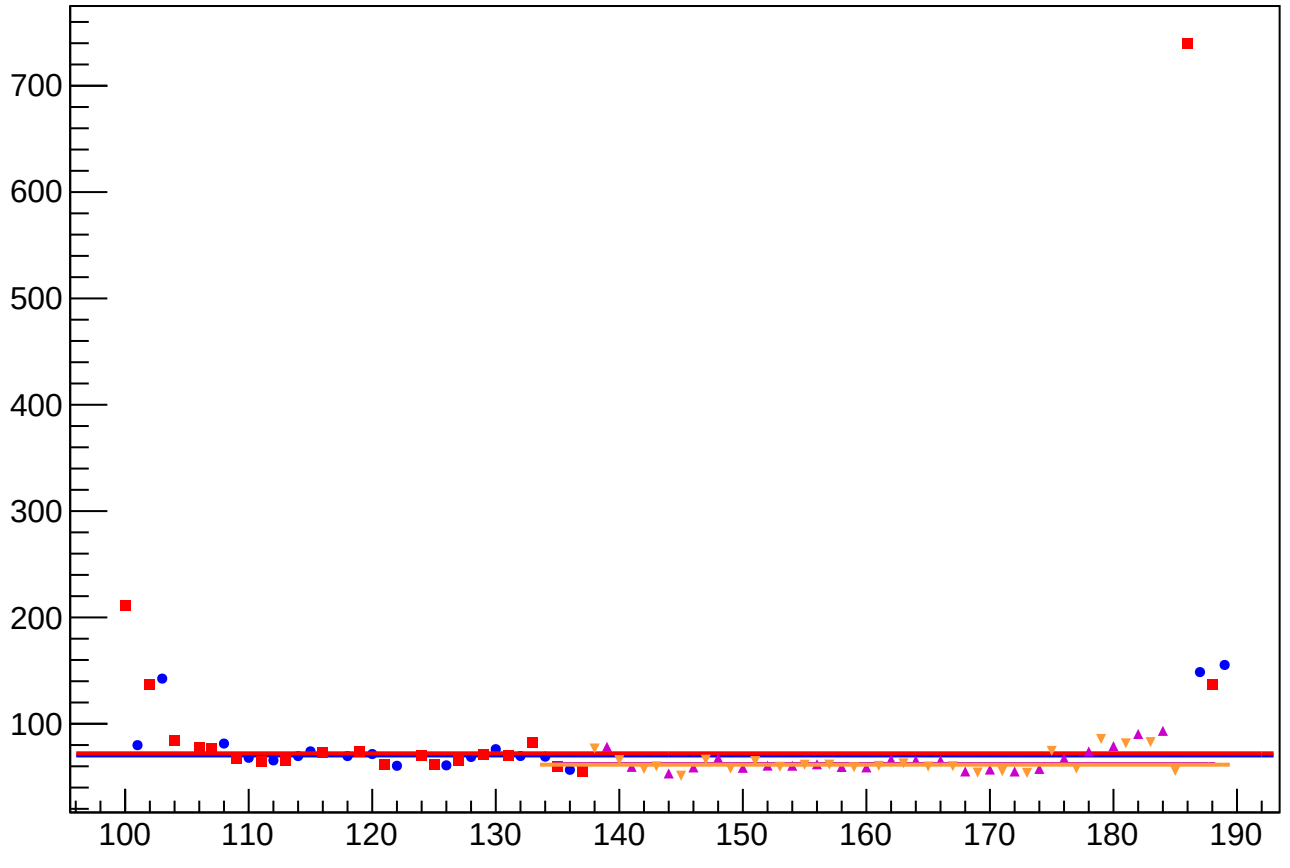
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 27.027+/-18.339 χ^2/NDF: 46.7/38

In: 44.901+/-12.799 χ^2/NDF:54.5/40

Out: 45.520+/-12.441 χ^2/NDF:58.4/45

All: 45.219+/-8.921 χ^2/NDF: 113.0/86



Right In: 70.212+/-0.018 χ^2/NDF: 896249.1/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 72.227+/-0.018 χ^2/NDF: 1624938.6/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

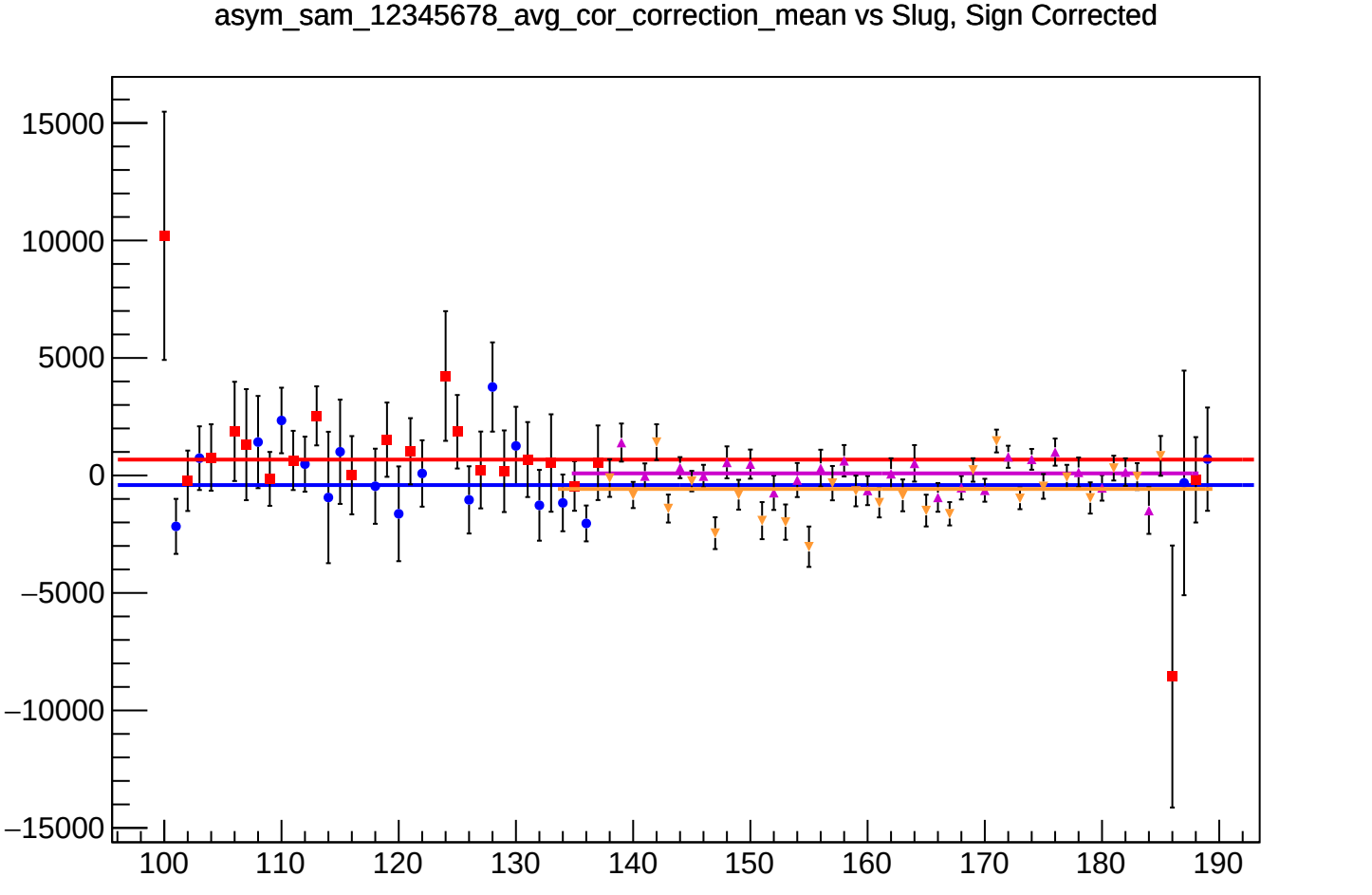
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

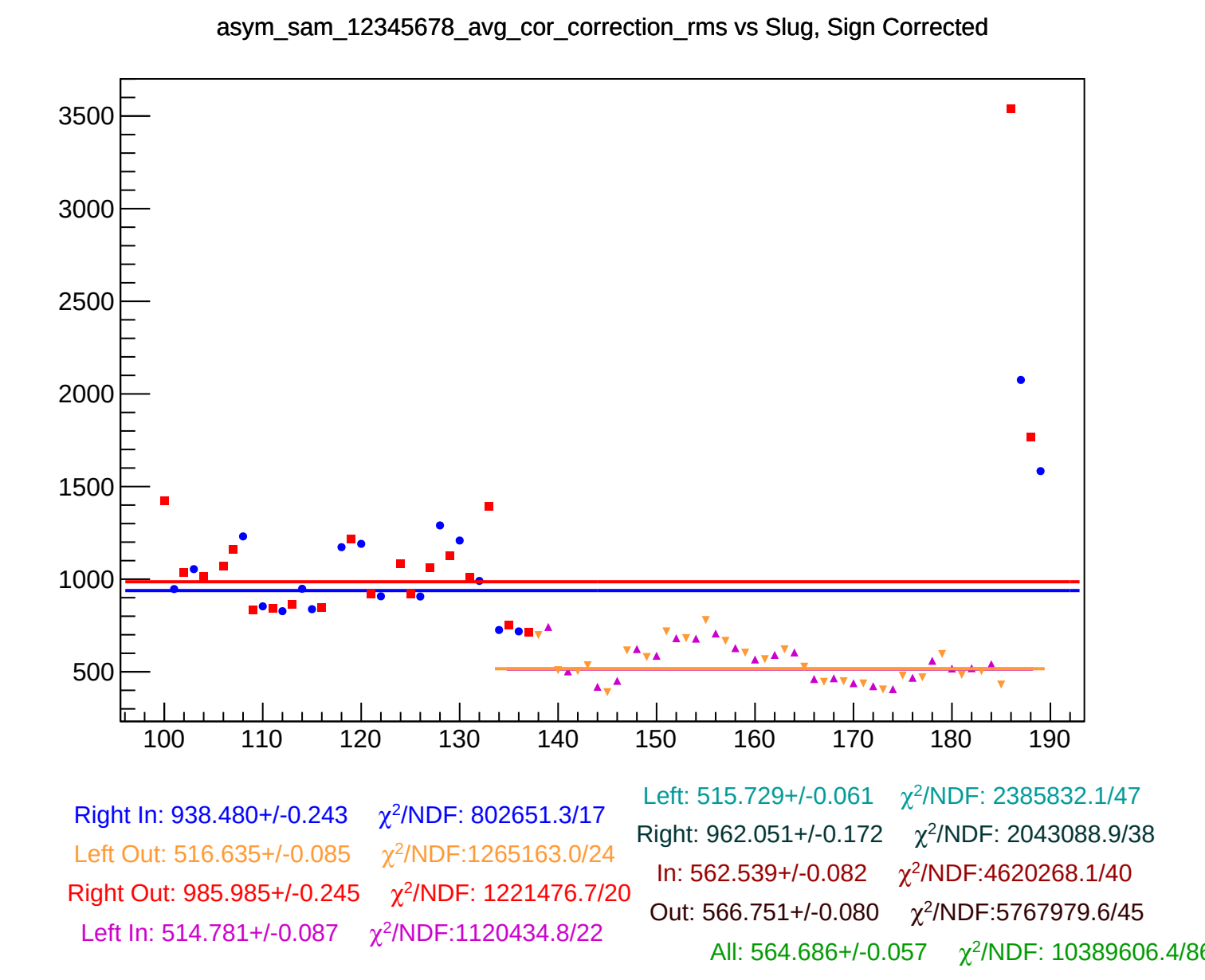
Right: 71.221+/-0.013 χ^2/NDF: 2527222.8/38

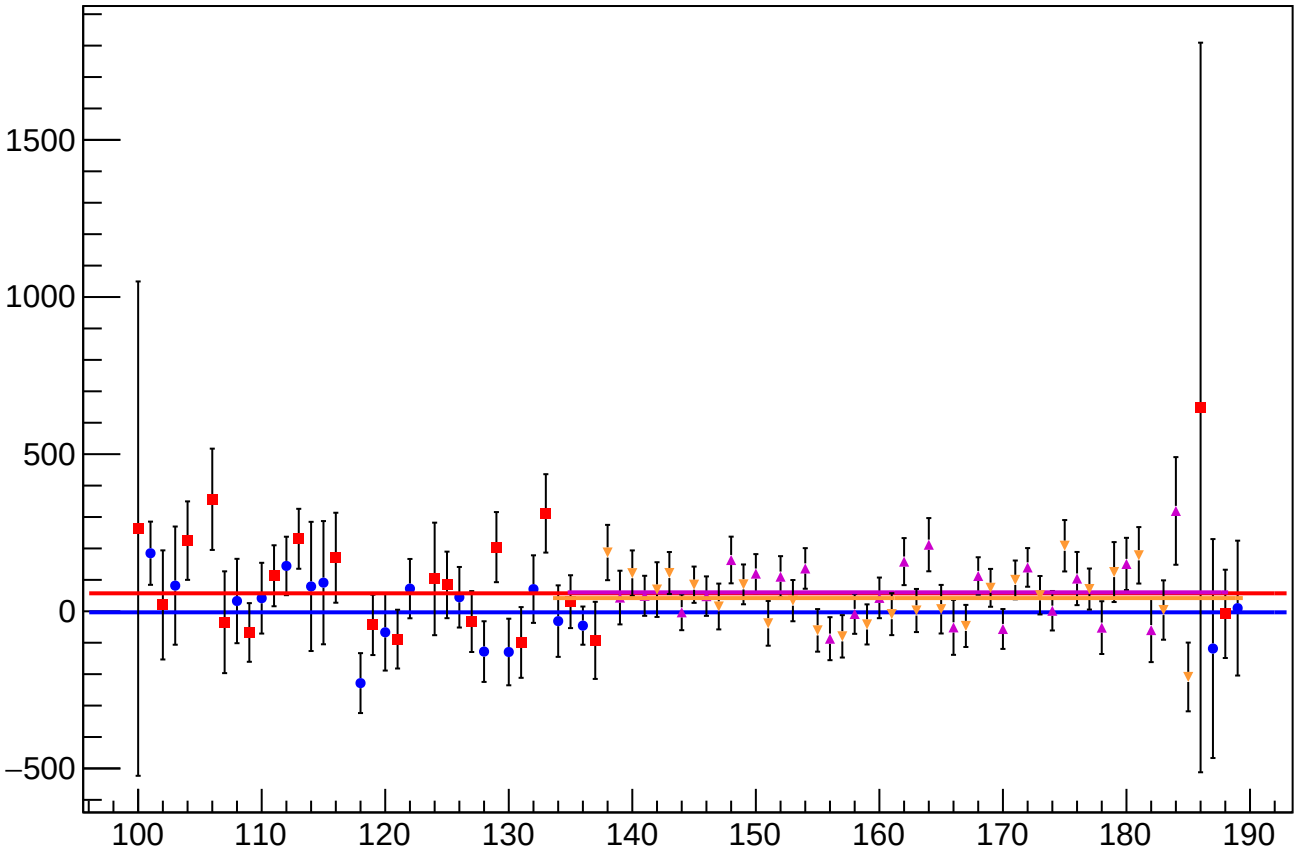
In: 64.108+/-0.009 χ^2/NDF:1639313.8/40

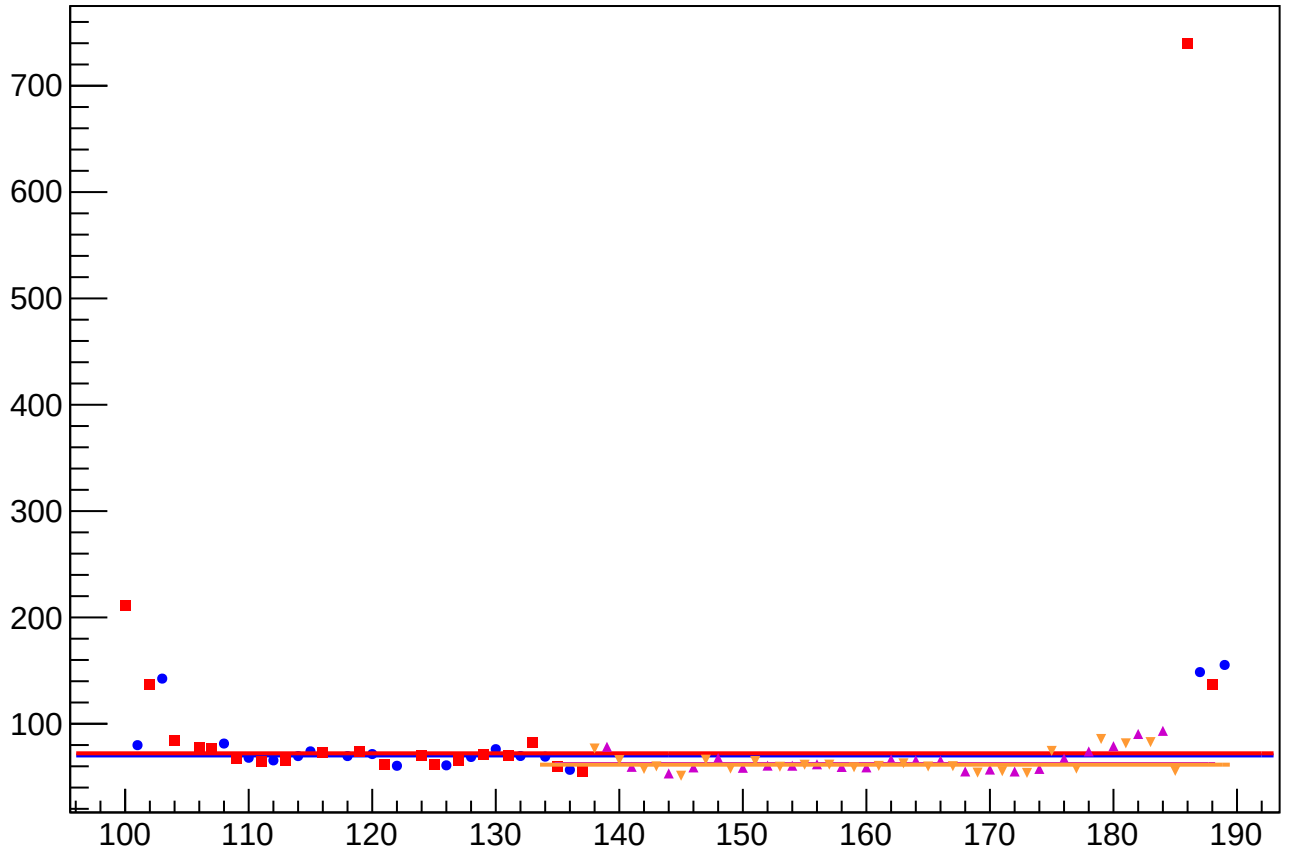
Out: 64.005+/-0.009 χ^2/NDF:2524194.2/45

All: 64.055+/-0.006 χ^2/NDF: 4163574.4/86


asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -409.149+/-343.675 χ²/NDF: 20.8/17
Left Out: -574.811+/-119.736 χ²/NDF:68.8/24
Right Out: 674.683+/-346.311 χ²/NDF: 13.9/20
Left In: 88.333+/-122.492 χ²/NDF:24.6/22
Left: -250.783+/-85.624 χ²/NDF: 108.4/47
Right: 128.627+/-243.942 χ²/NDF: 39.6/38
In: 32.259+/-115.383 χ²/NDF:47.3/40
Out: -441.394+/-113.163 χ²/NDF:94.3/45
All: -209.166+/-80.792 χ²/NDF: 150.1/86


asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 938.480+/-0.243 χ²/NDF: 802651.3/17
Left Out: 516.635+/-0.085 χ²/NDF:1265163.0/24
Right Out: 985.985+/-0.245 χ²/NDF: 1221476.7/20
Left In: 514.781+/-0.087 χ²/NDF:1120434.8/22
Left: 515.729+/-0.061 χ²/NDF: 2385832.1/47
Right: 962.051+/-0.172 χ²/NDF: 2043088.9/38
In: 562.539+/-0.082 χ²/NDF:4620268.1/40
Out: 566.751+/-0.080 χ²/NDF:5767979.6/45
All: 564.686+/-0.057 χ²/NDF: 10389606.4/86


eigen_cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
180
190
Right In: -3.226+/-25.947 χ²/NDF: 17.8/17
Left Out: 42.017+/-14.181 χ²/NDF:32.0/24
Right Out: 57.225+/-25.924 χ²/NDF: 26.1/20
Left In: 60.376+/-14.714 χ²/NDF:32.2/22
Left: 50.858+/-10.211 χ²/NDF: 65.0/47
Right: 27.027+/-18.339 χ²/NDF: 46.7/38
In: 44.901+/-12.799 χ²/NDF:54.5/40
Out: 45.520+/-12.441 χ²/NDF:58.4/45
All: 45.219+/-8.921 χ²/NDF: 113.0/86



Right In: 70.212+/-0.018 χ^2/NDF: 896249.1/17

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 72.227+/-0.018 χ^2/NDF: 1624938.6/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

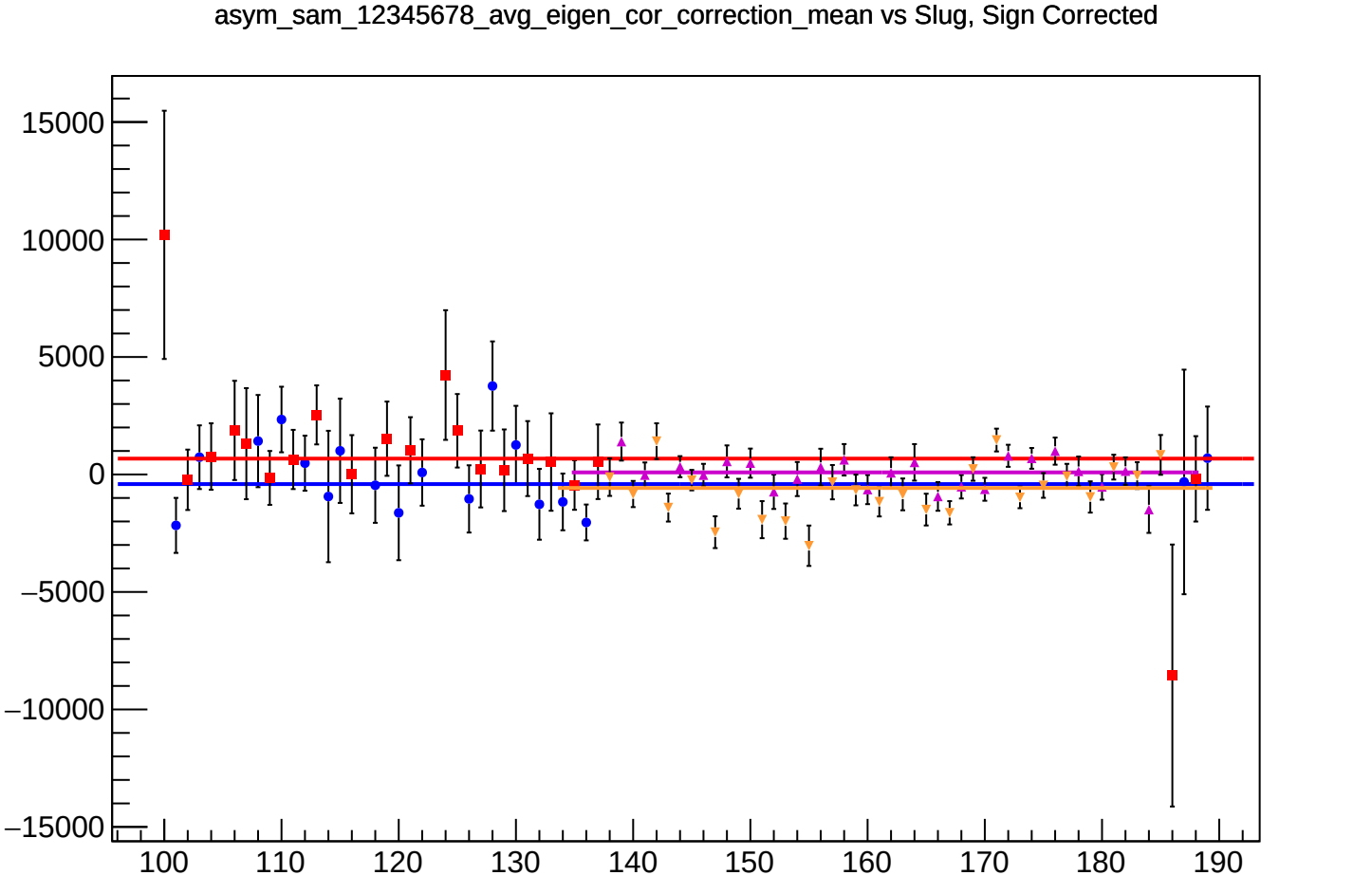
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 71.221+/-0.013 χ^2/NDF: 2527222.8/38

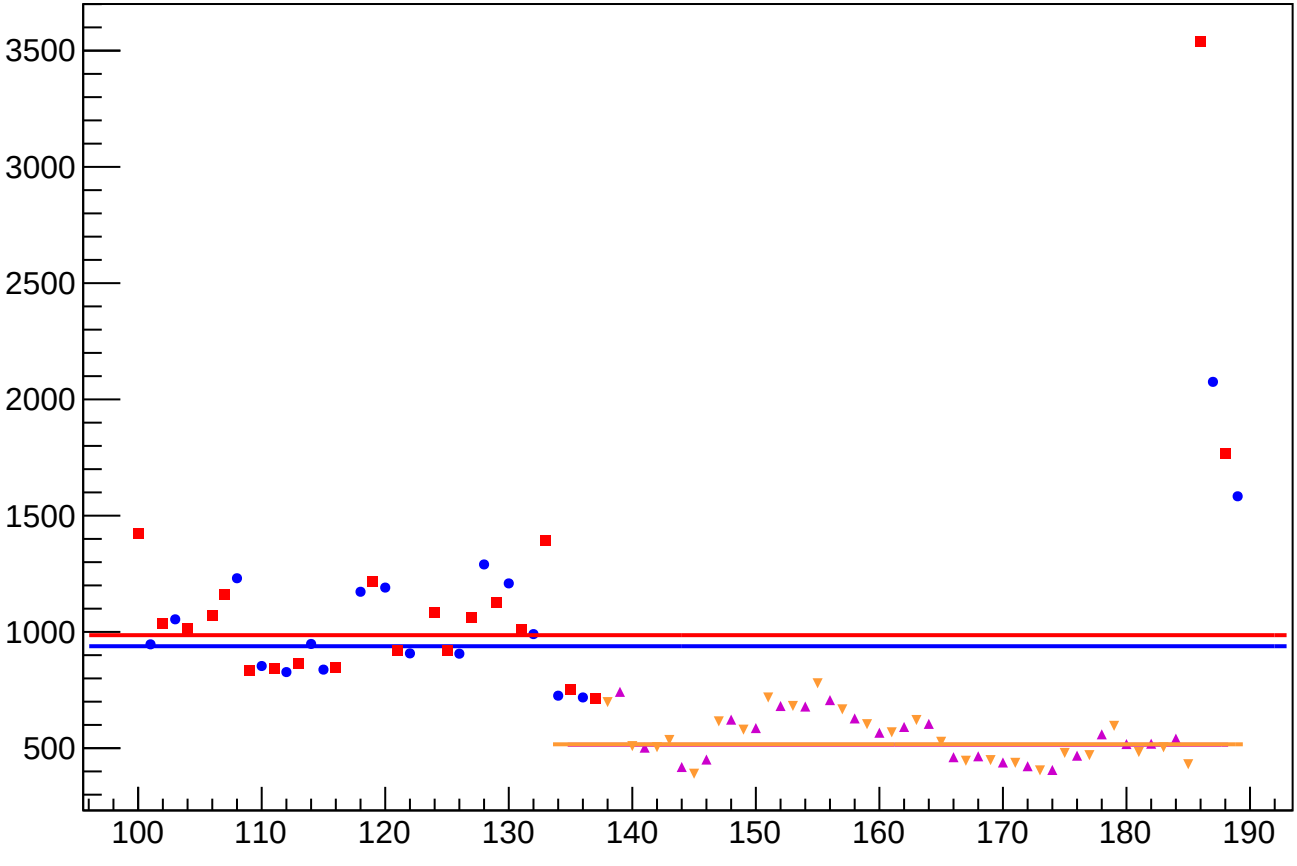
In: 64.108+/-0.009 χ^2/NDF:1639313.8/40

Out: 64.005+/-0.009 χ^2/NDF:2524194.2/45

All: 64.055+/-0.006 χ^2/NDF: 4163574.4/86


asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -409.149+/-343.675 χ²/NDF: 20.8/17
Left Out: -574.811+/-119.736 χ²/NDF:68.8/24
Right Out: 674.683+/-346.311 χ²/NDF: 13.9/20
Left In: 88.333+/-122.492 χ²/NDF:24.6/22
Left: -250.783+/-85.624 χ²/NDF: 108.4/47
Right: 128.627+/-243.942 χ²/NDF: 39.6/38
In: 32.259+/-115.383 χ²/NDF:47.3/40
Out: -441.394+/-113.163 χ²/NDF:94.3/45
All: -209.166+/-80.792 χ²/NDF: 150.1/86

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 938.480+/-0.243 χ^2/NDF: 802651.3/17

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 985.985+/-0.245 χ^2/NDF: 1221476.7/20

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

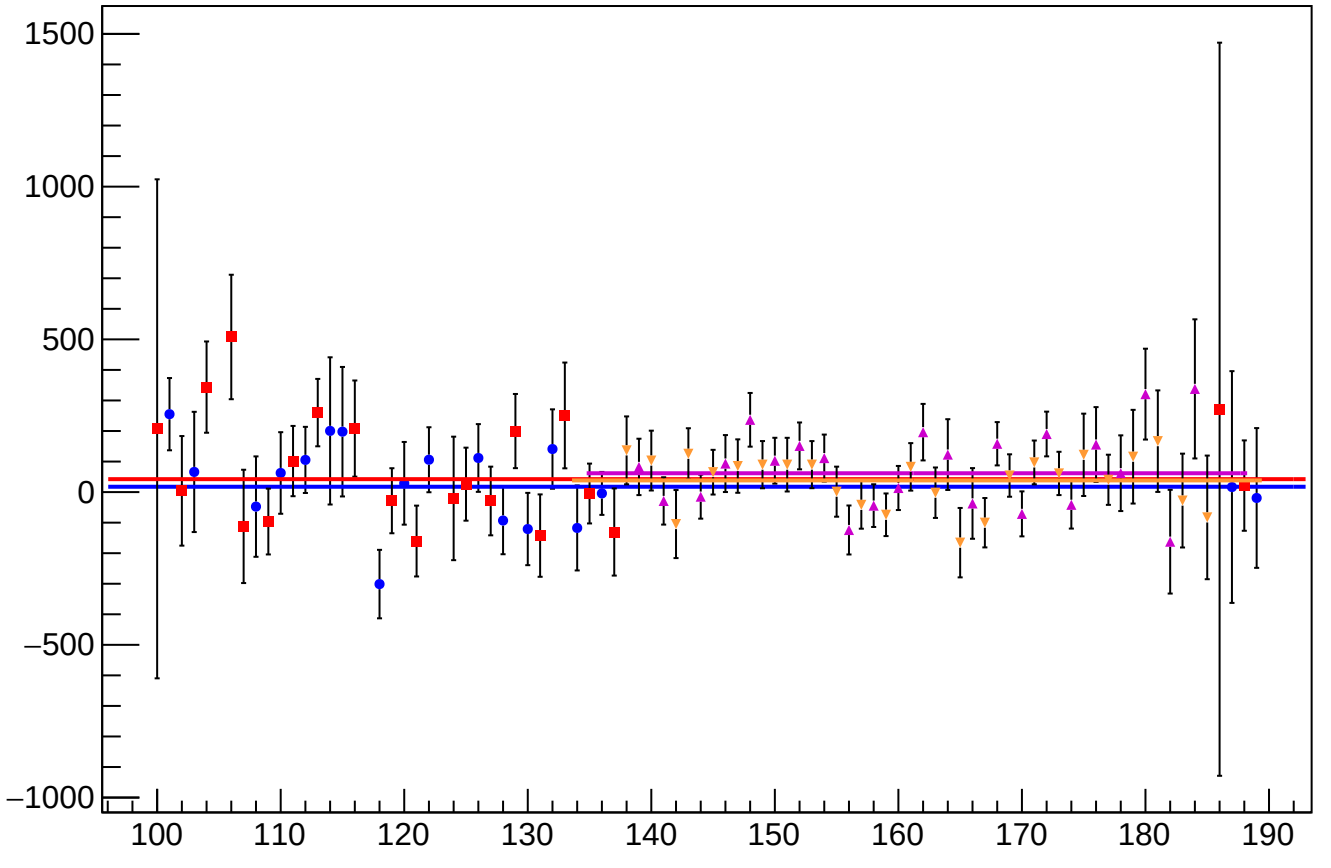
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 962.051+/-0.172 χ^2/NDF: 2043088.9/38

In: 562.539+/-0.082 χ^2/NDF:4620268.1/40

Out: 566.751+/-0.080 χ^2/NDF:5767979.6/45

All: 564.686+/-0.057 χ^2/NDF: 10389606.4/86



Right In: 17.523+/-29.989 χ^2/NDF: 20.2/17

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 42.388+/-30.057 χ^2/NDF: 27.8/20

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

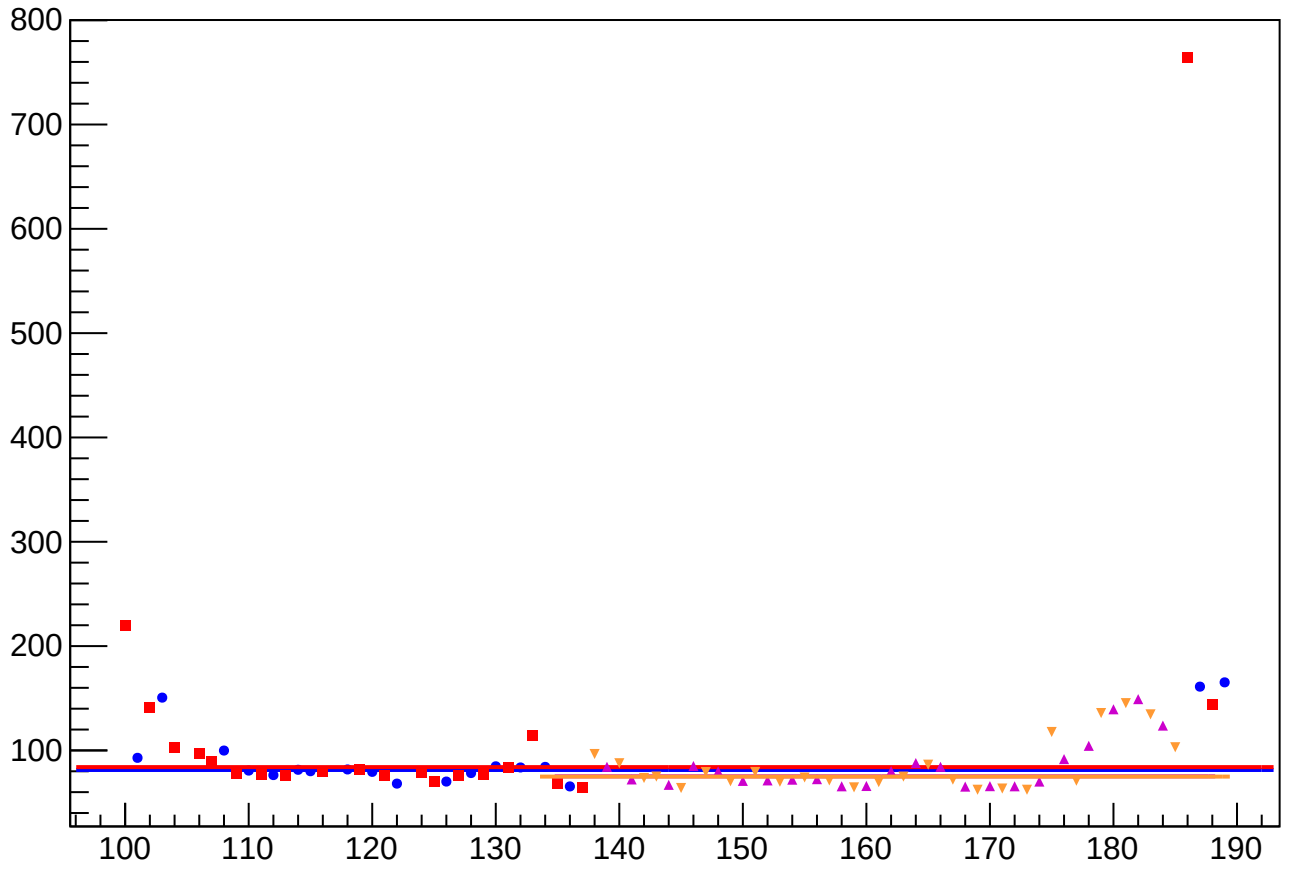
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 29.927+/-21.229 χ^2/NDF: 48.3/38

In: 49.834+/-15.554 χ^2/NDF:58.5/40

Out: 39.336+/-15.232 χ^2/NDF:46.6/45

All: 44.475+/-10.883 χ^2/NDF: 105.3/86



Right In: 81.252+/-0.021 χ^2/NDF: 811828.5/17

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 83.994+/-0.021 χ^2/NDF: 1506473.6/20

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

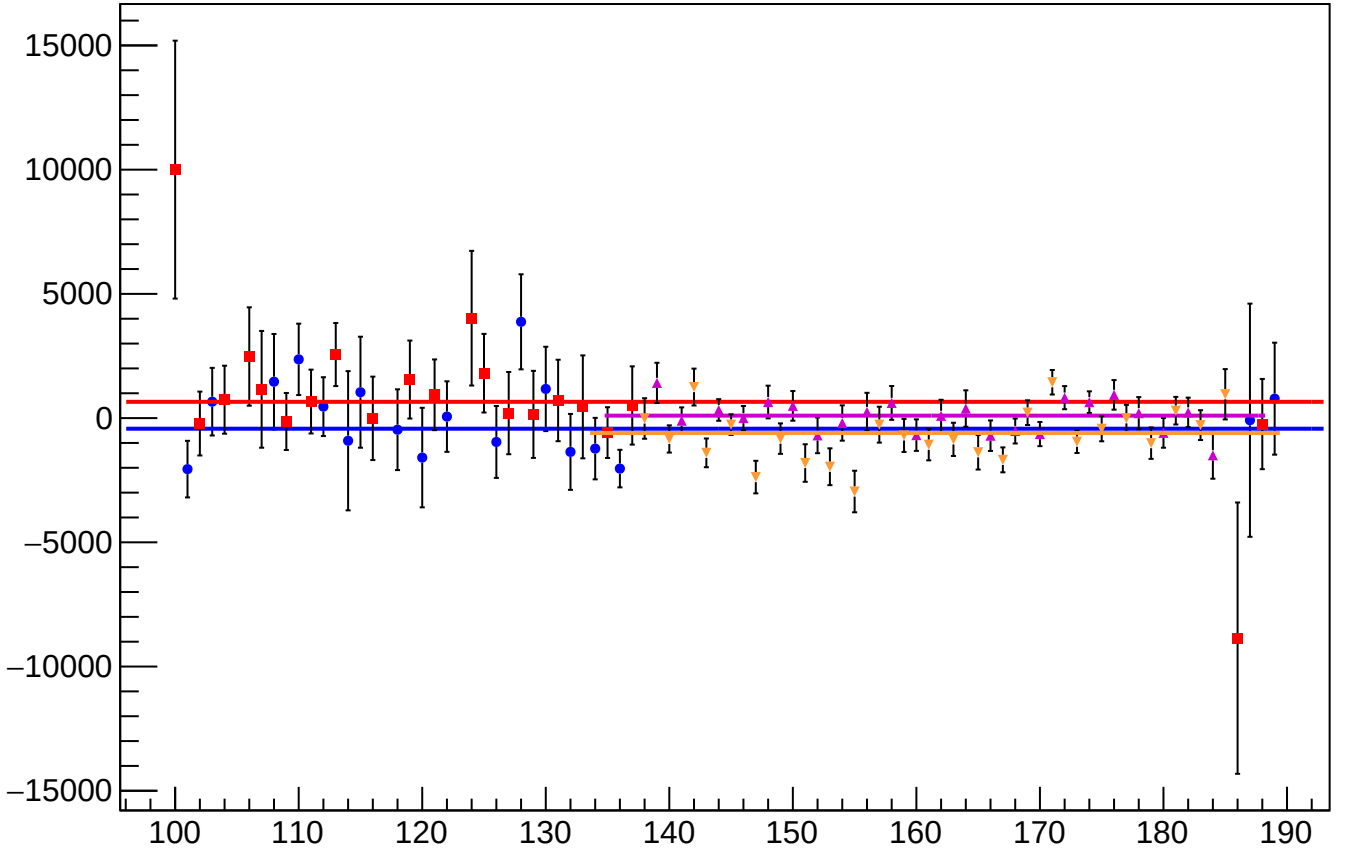
Right: 82.620+/-0.015 χ^2/NDF: 2326639.9/38

In: 76.796+/-0.011 χ^2/NDF:2184795.4/40

Out: 77.238+/-0.011 χ^2/NDF:3303994.6/45

All: 77.021+/-0.008 χ^2/NDF: 5489614.5/86

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -427.023+/-344.990 χ^2/NDF: 20.6/17

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 655.356+/-345.420 χ^2/NDF: 14.8/20

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

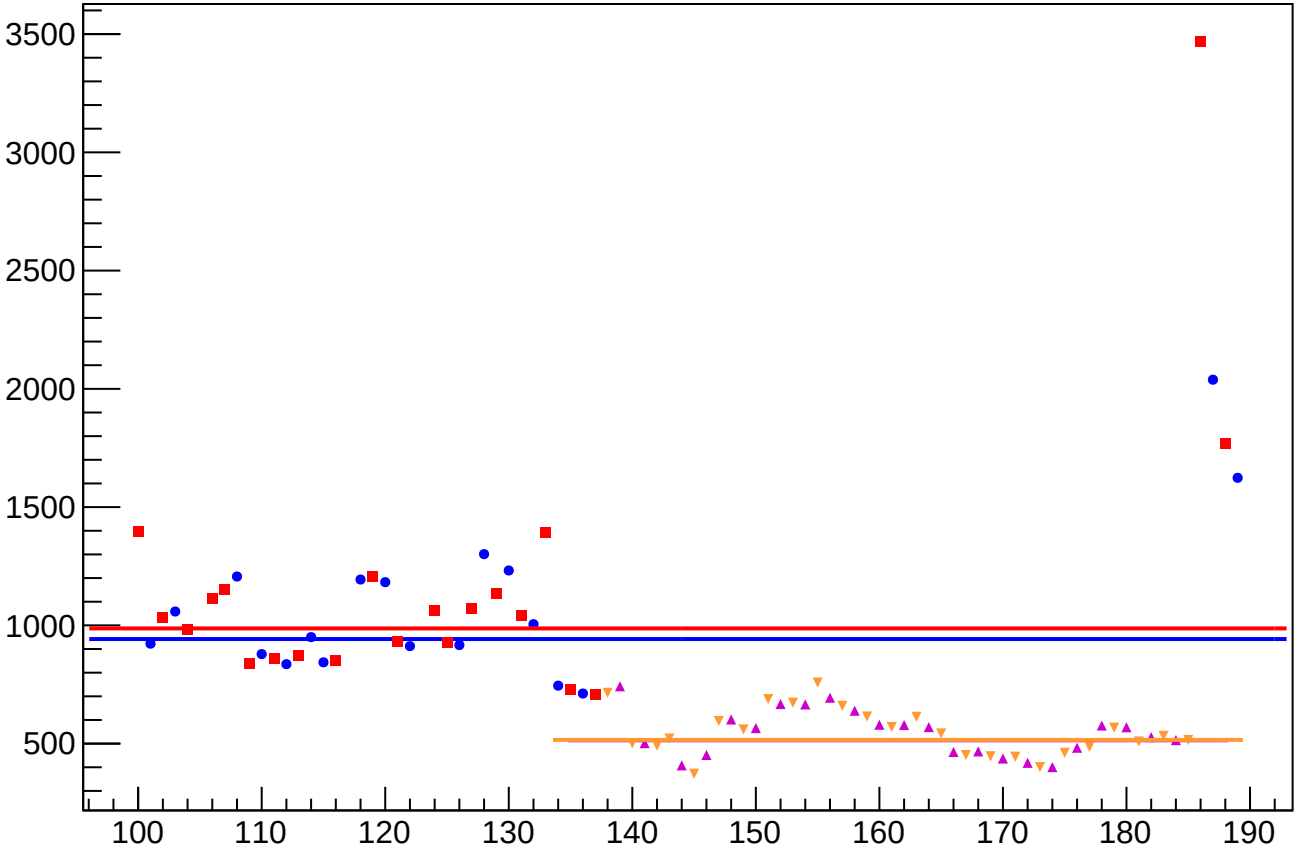
Right: 113.491+/-244.097 χ^2/NDF: 40.3/38

In: 40.356+/-115.280 χ^2/NDF:46.3/40

Out: -465.118+/-112.784 χ^2/NDF:91.7/45

All: -217.912+/-80.618 χ^2/NDF: 147.8/86

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 942.189+/-0.244 χ^2/NDF: 815912.7/17

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 987.093+/-0.244 χ^2/NDF: 1235064.2/20

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

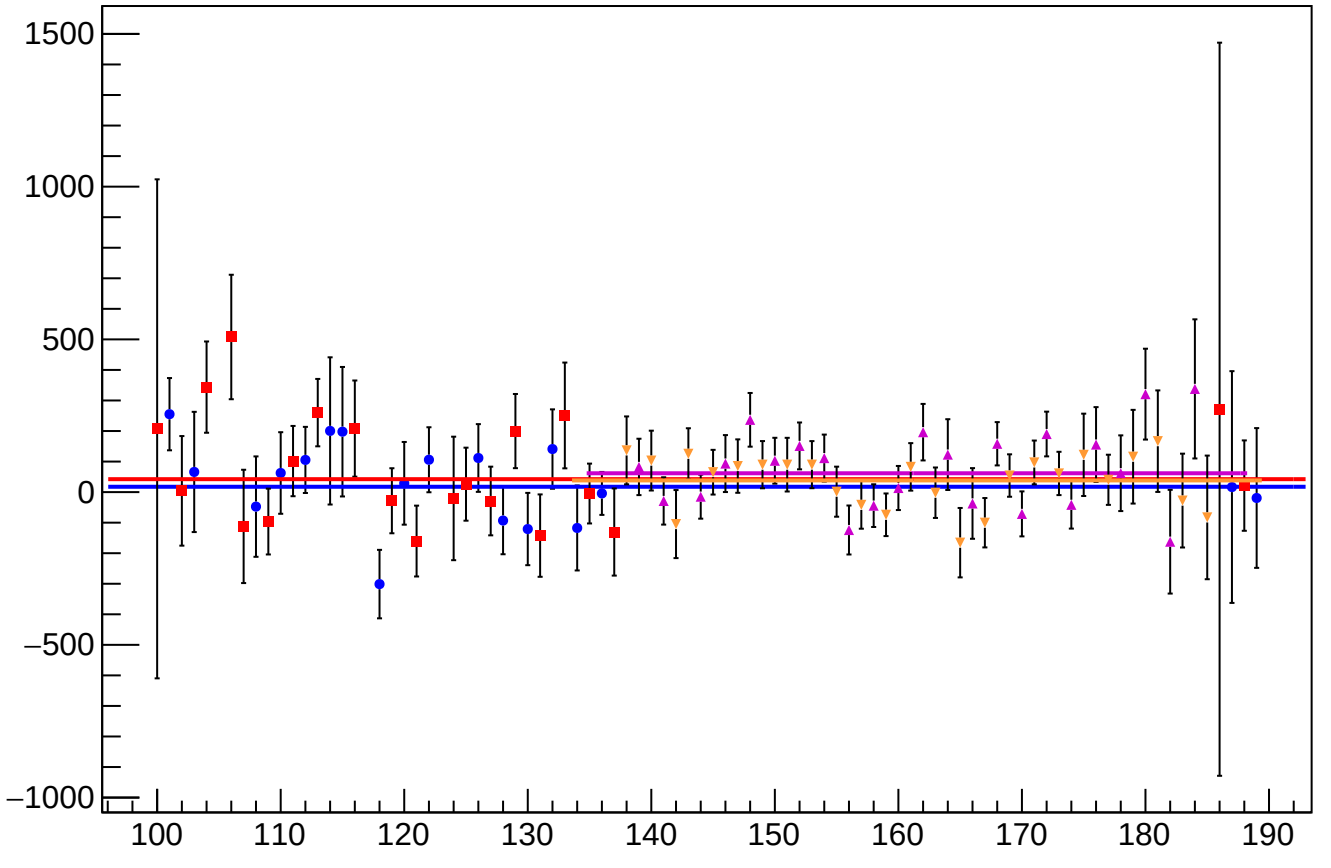
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 964.613+/-0.173 χ^2/NDF: 2067897.1/38

In: 561.889+/-0.082 χ^2/NDF:4668636.1/40

Out: 566.010+/-0.080 χ^2/NDF:5794348.5/45

All: 563.995+/-0.057 χ^2/NDF: 10464290.6/86



Right In: 17.523+/-29.989 χ^2/NDF: 20.2/17

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 42.387+/-30.057 χ^2/NDF: 27.8/20

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

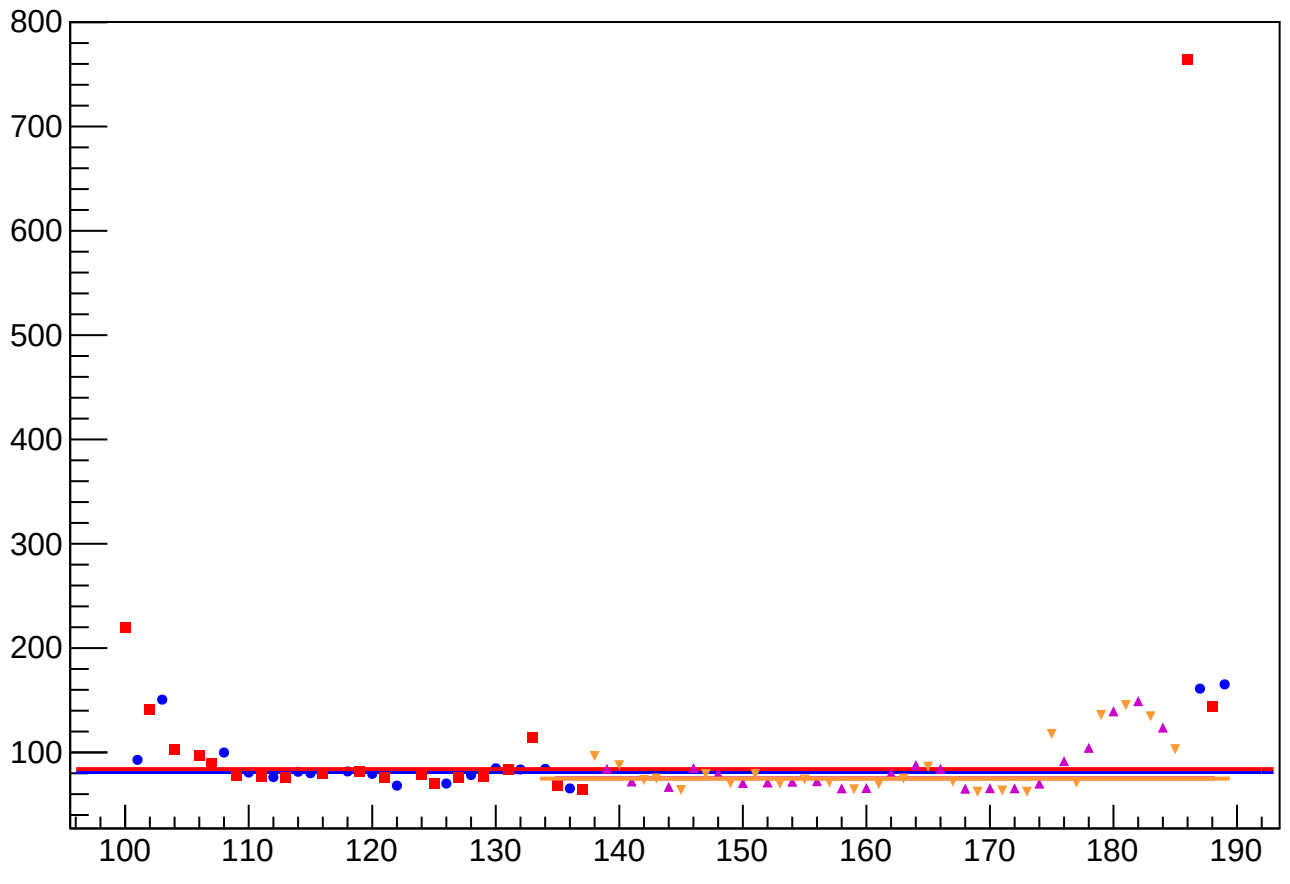
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 29.926+/-21.229 χ^2/NDF: 48.3/38

In: 49.833+/-15.554 χ^2/NDF:58.5/40

Out: 39.336+/-15.232 χ^2/NDF:46.6/45

All: 44.475+/-10.883 χ^2/NDF: 105.3/86



Right In: 81.252+/-0.021 χ^2/NDF: 811828.6/17

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 83.993+/-0.021 χ^2/NDF: 1506488.6/20

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

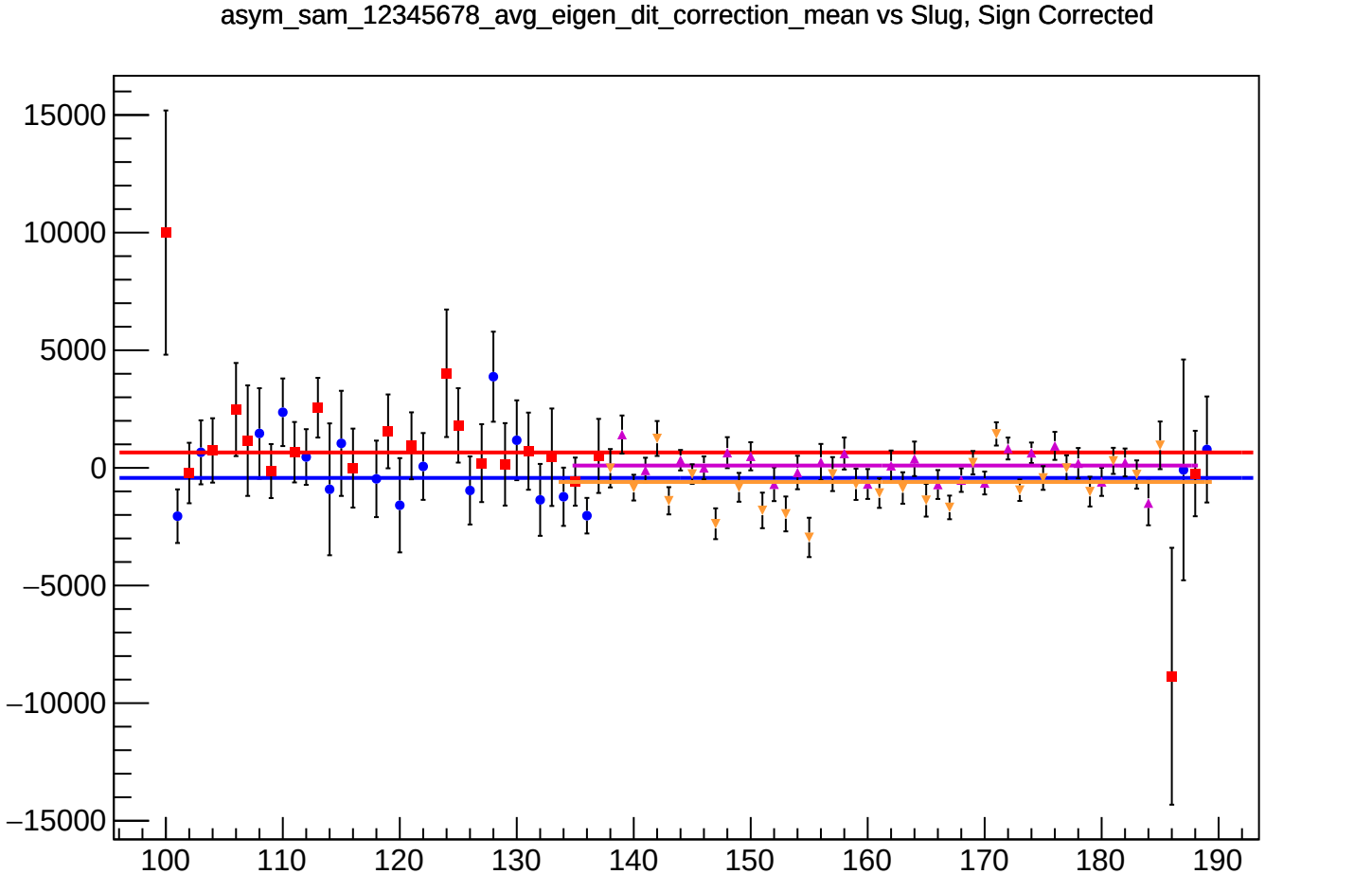
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

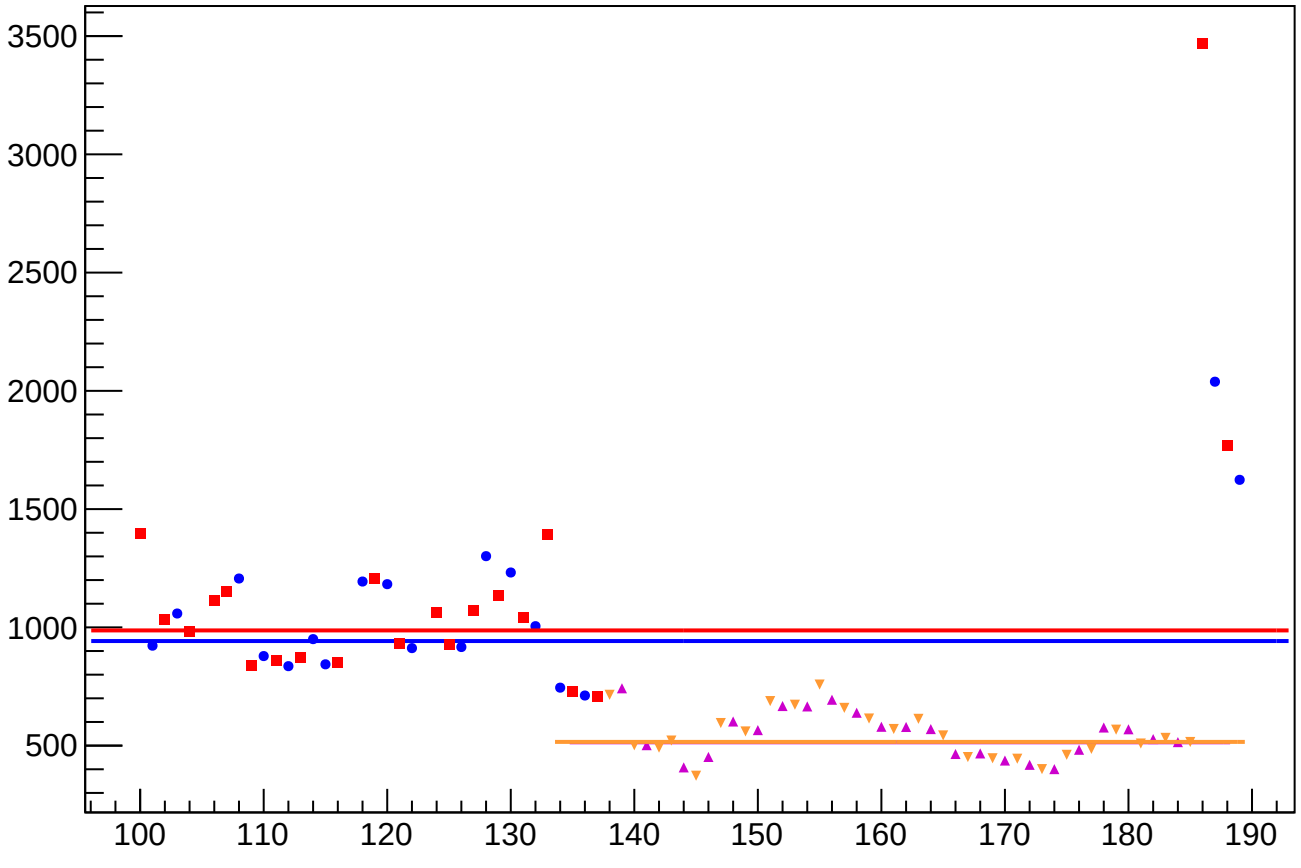
Right: 82.620+/-0.015 χ^2/NDF: 2326655.3/38

In: 76.796+/-0.011 χ^2/NDF:2184770.6/40

Out: 77.238+/-0.011 χ^2/NDF:3303995.6/45

All: 77.021+/-0.008 χ^2/NDF: 5489590.7/86


asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -427.020+/-344.989 χ²/NDF: 20.6/17
Left Out: -598.825+/-119.324 χ²/NDF:65.0/24
Right Out: 655.355+/-345.420 χ²/NDF: 14.8/20
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 113.493+/-244.096 χ²/NDF: 40.3/38
In: 40.355+/-115.280 χ²/NDF:46.3/40
Out: -465.117+/-112.784 χ²/NDF:91.7/45
All: -217.912+/-80.618 χ²/NDF: 147.8/86



Right In: 942.187+/-0.244 χ^2/NDF: 815913.6/17

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 987.090+/-0.244 χ^2/NDF: 1235065.6/20

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

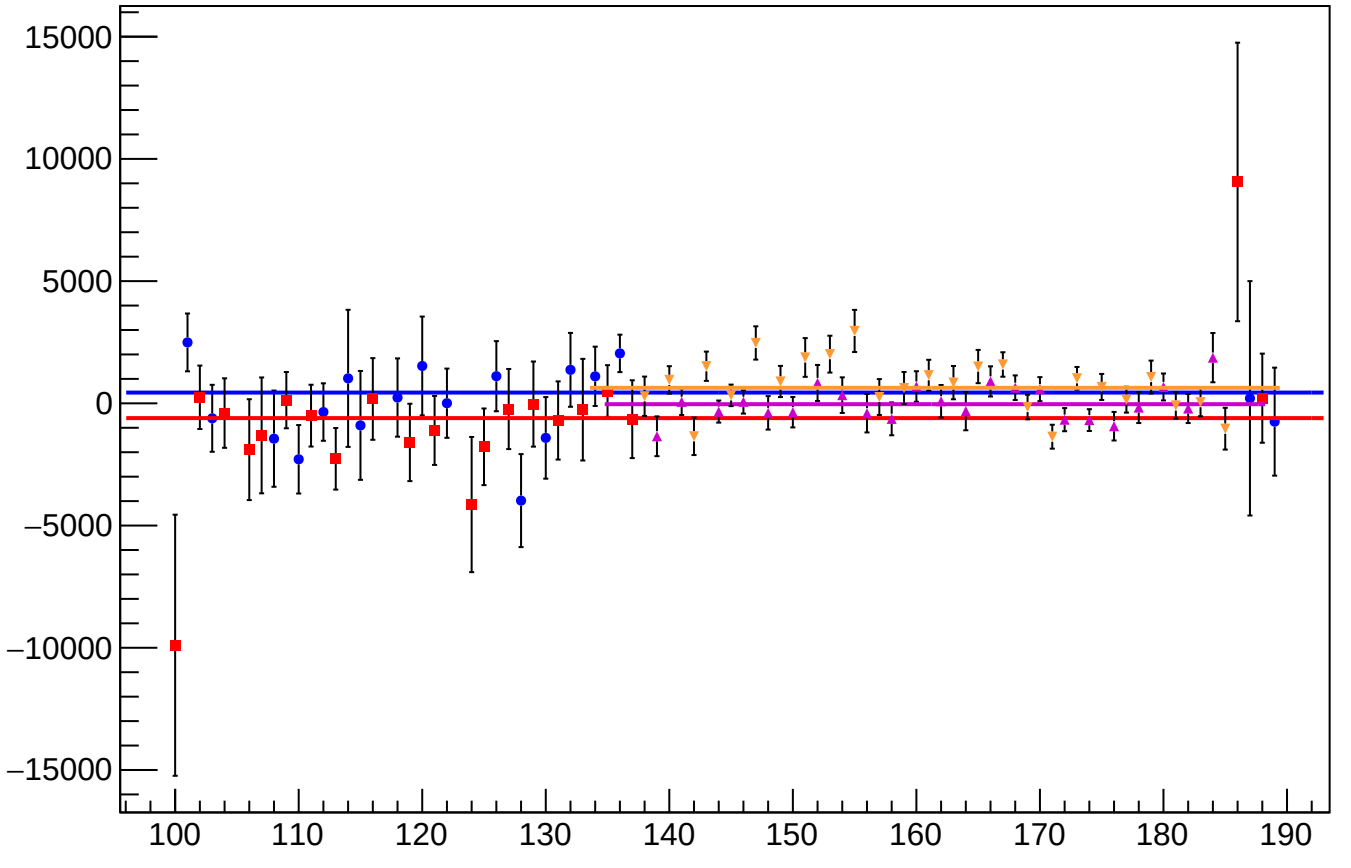
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 964.611+/-0.173 χ^2/NDF: 2067899.2/38

In: 561.888+/-0.082 χ^2/NDF:4668631.6/40

Out: 566.009+/-0.080 χ^2/NDF:5794348.1/45

All: 563.994+/-0.057 χ^2/NDF: 10464285.7/86



Right In: 440.825+/-345.153 χ^2/NDF: 21.8/17

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -604.313+/-347.347 χ^2/NDF: 13.4/20

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

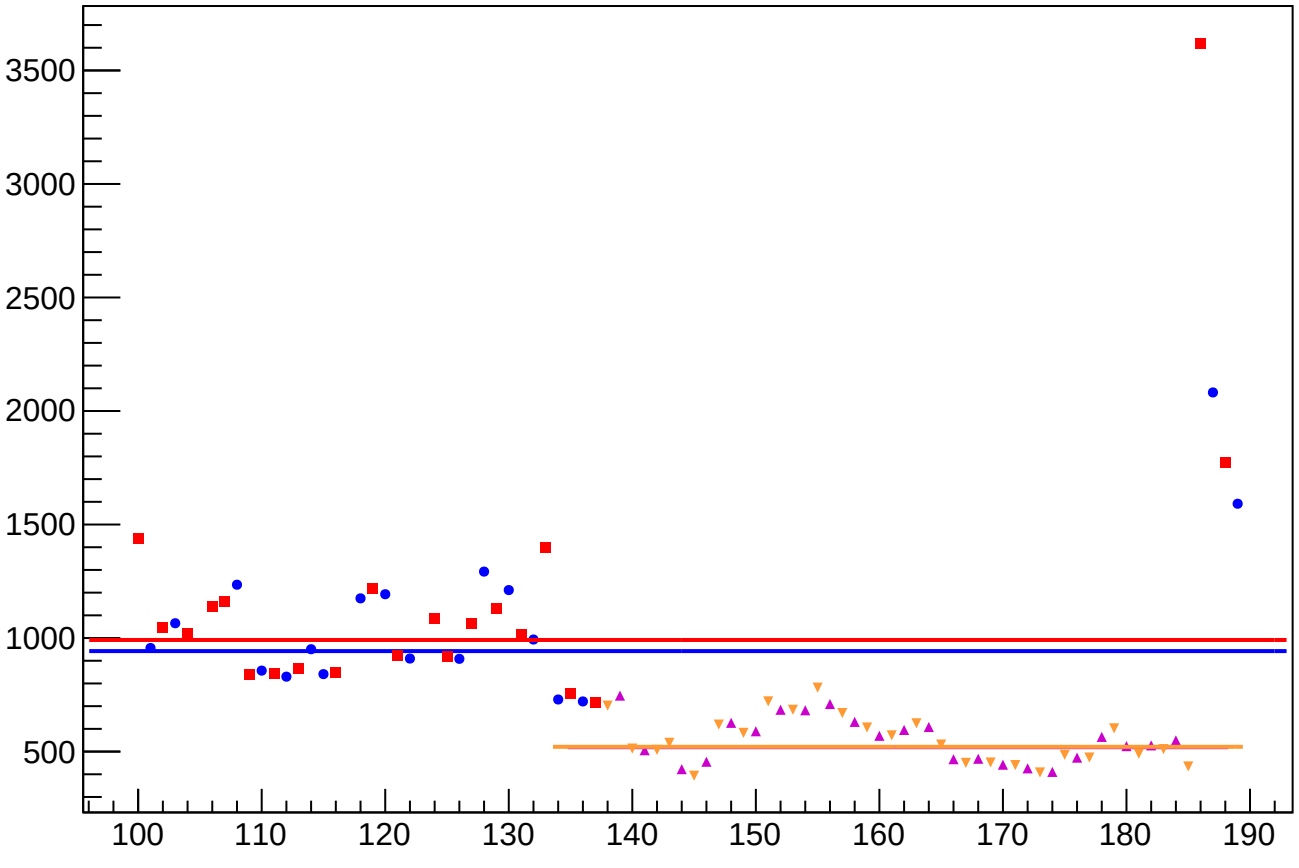
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -78.432+/-244.832 χ^2/NDF: 39.8/38

In: 19.189+/-116.295 χ^2/NDF:48.6/40

Out: 501.249+/-114.027 χ^2/NDF:89.3/45

All: 264.966+/-81.419 χ^2/NDF: 146.6/86



Right In: 942.537+/-0.244 χ^2/NDF: 802432.9/17

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 991.521+/-0.246 χ^2/NDF: 1235782.8/20

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

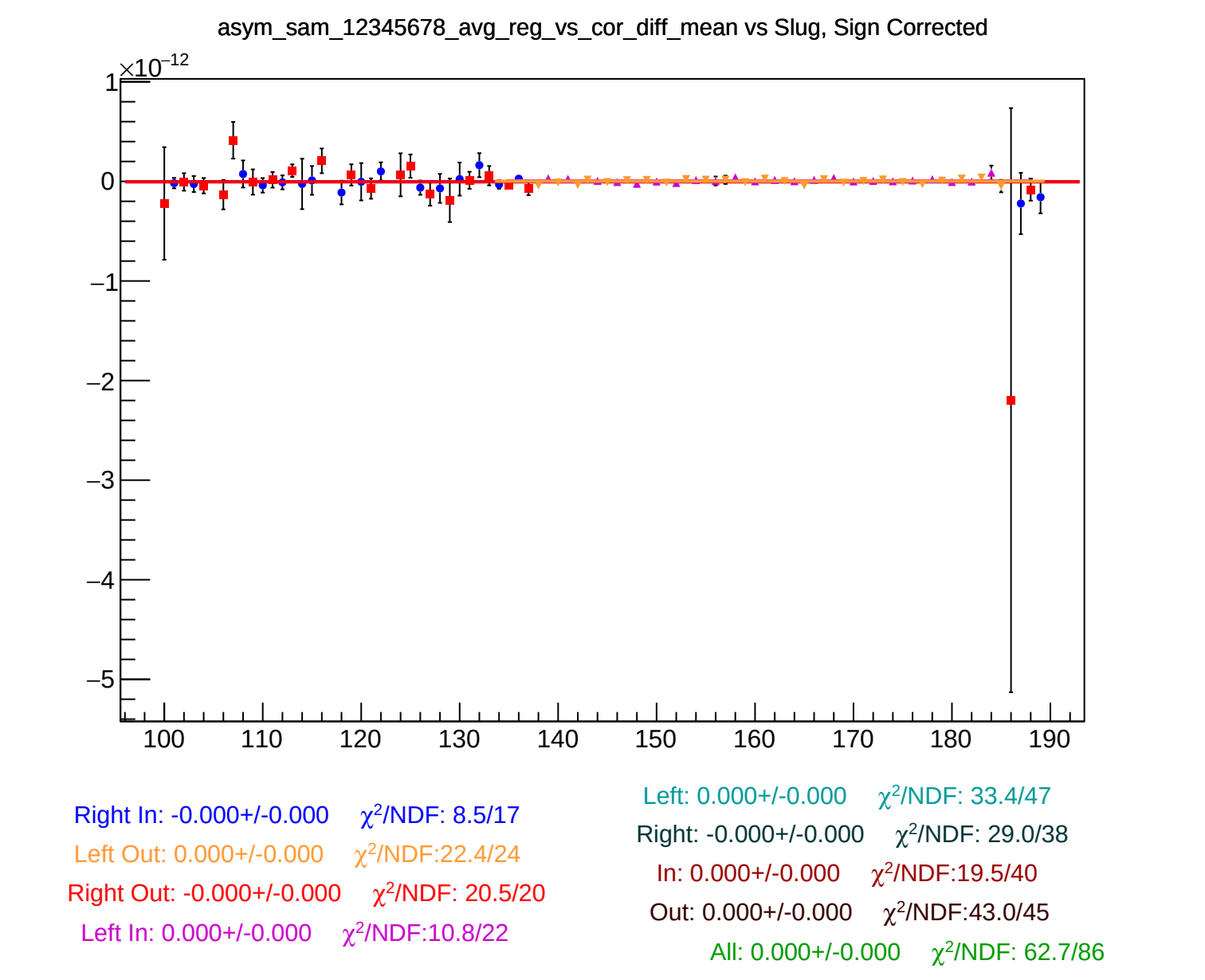
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

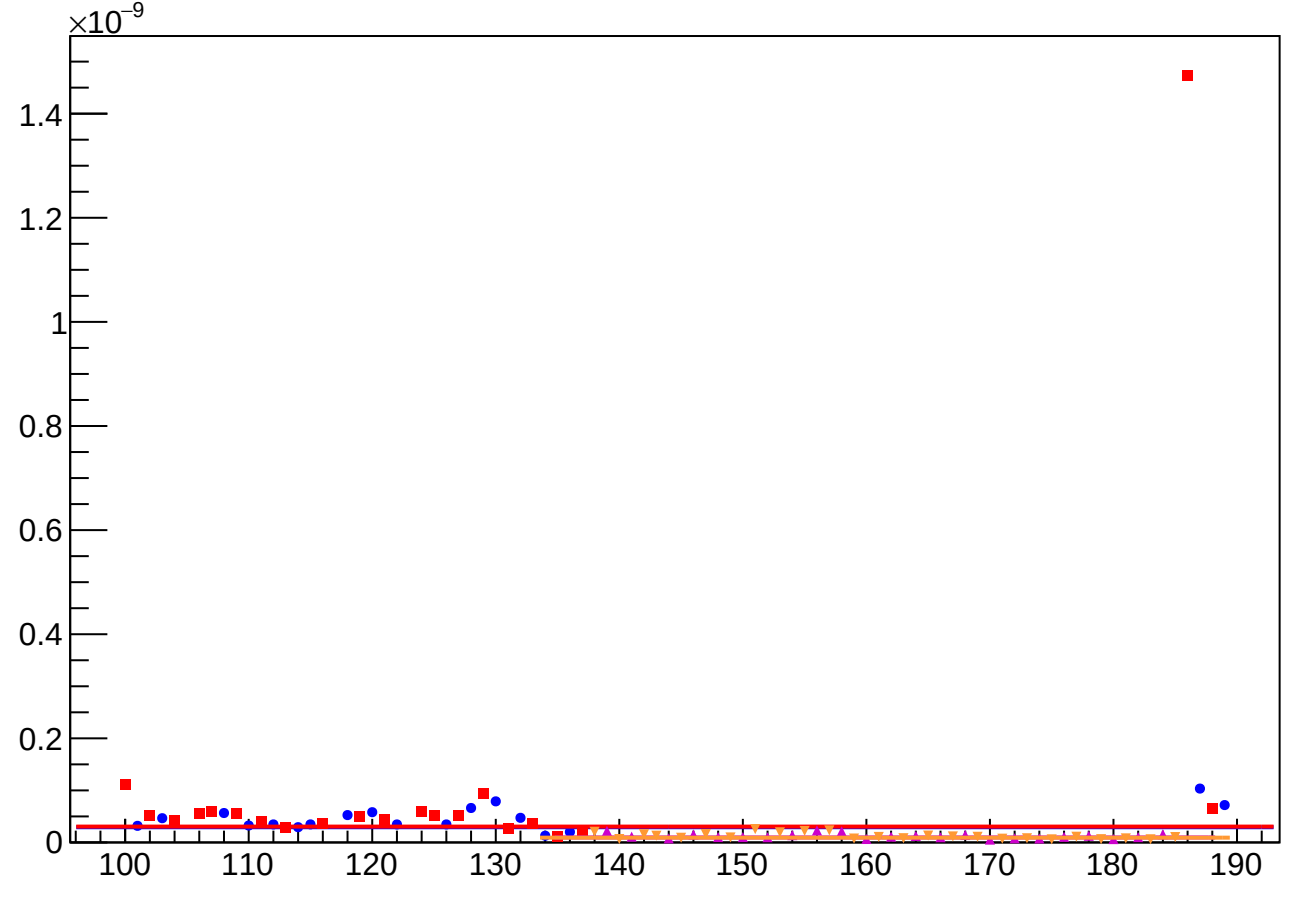
Right: 966.874+/-0.173 χ^2/NDF: 2058229.5/38

In: 567.295+/-0.082 χ^2/NDF:4569628.8/40

Out: 571.729+/-0.081 χ^2/NDF:5752894.1/45

All: 569.556+/-0.058 χ^2/NDF: 10324005.3/86


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.5/17
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.5/20
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: 29.0/38
In: 0.000+/-0.000 χ²/NDF:19.5/40
Out: 0.000+/-0.000 χ²/NDF:43.0/45
All: 0.000+/-0.000 χ²/NDF: 62.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 1409847.3/17

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2345715.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

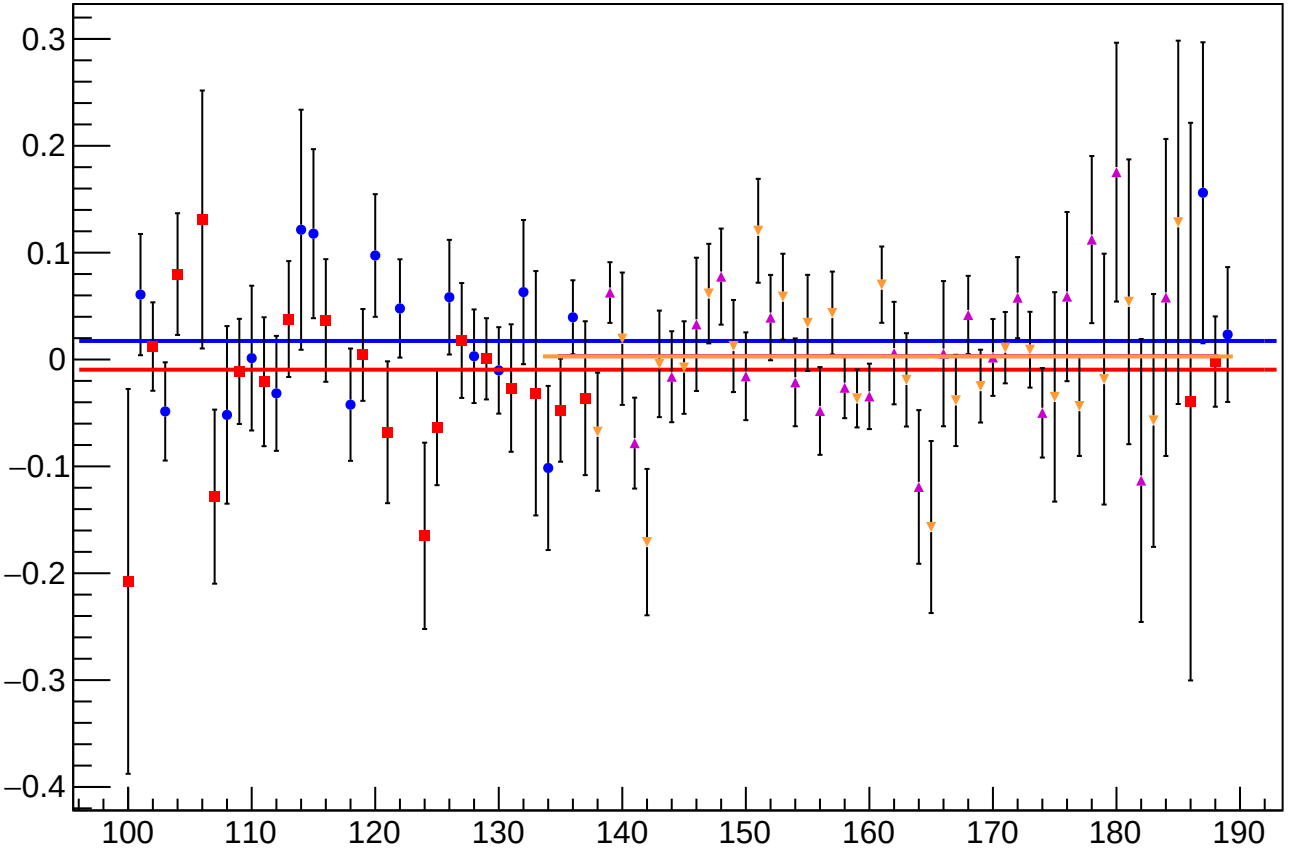
Right: 0.000+/-0.000 χ^2/NDF: 3760091.7/38

In: 0.000+/-0.000 χ^2/NDF:5397781.9/40

Out: 0.000+/-0.000 χ^2/NDF:6896587.0/45

All: 0.000+/-0.000 χ^2/NDF: 12313617.2/86

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

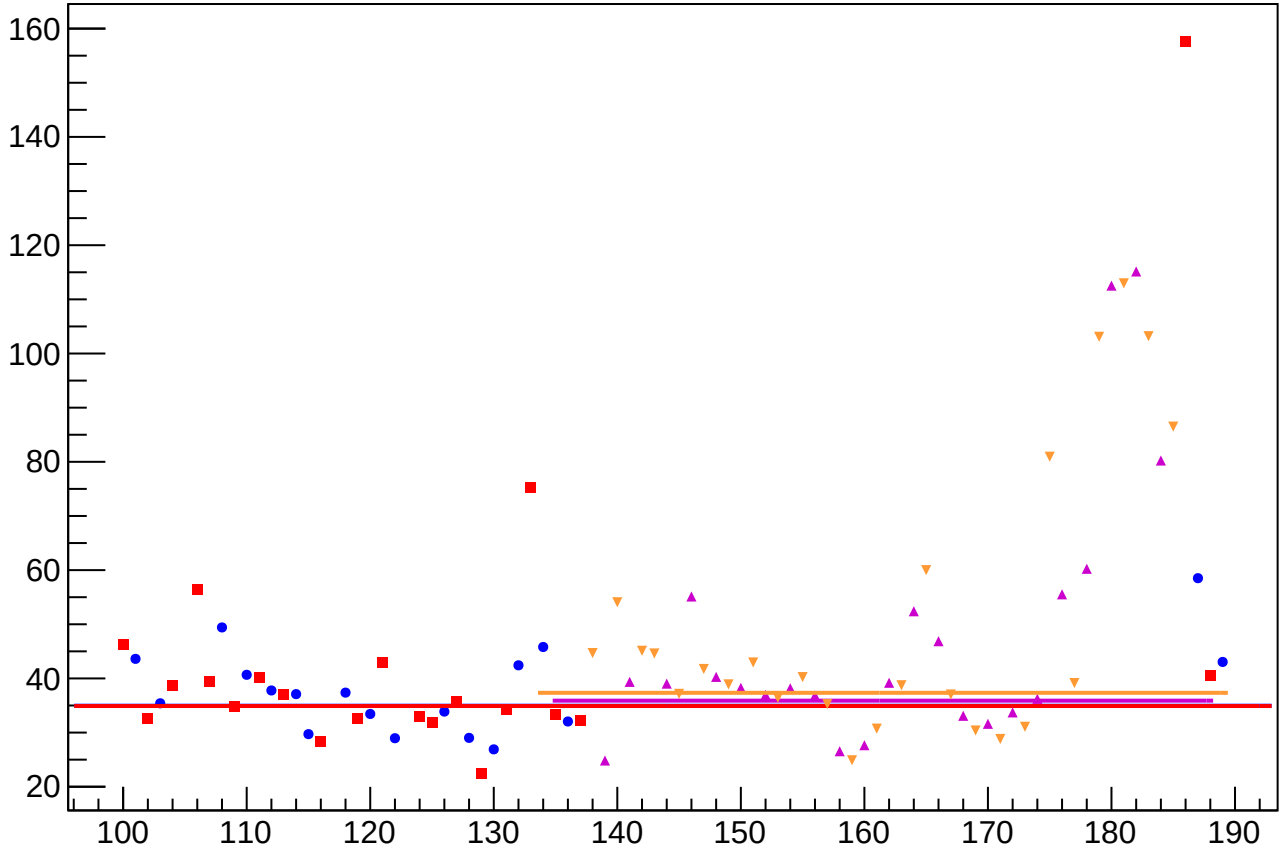
Right: 0.003+/-0.009 χ^2/NDF: 33.1/38

In: 0.008+/-0.007 χ^2/NDF:46.4/40

Out: -0.001+/-0.007 χ^2/NDF:48.7/45

All: 0.003+/-0.005 χ^2/NDF: 95.8/86

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.959+/-0.009 χ^2/NDF: 460379.9/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 34.904+/-0.009 χ^2/NDF: 1127814.3/20

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

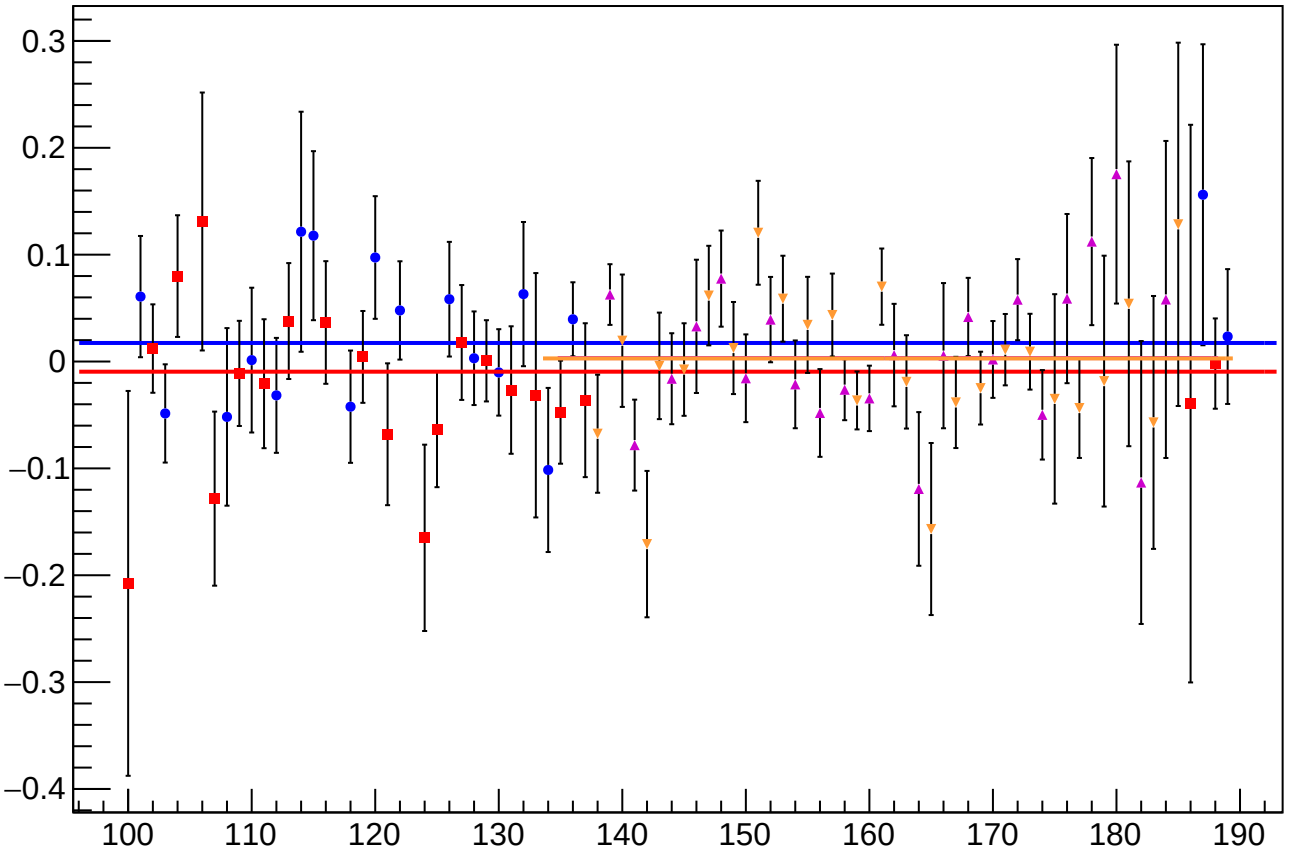
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 34.931+/-0.006 χ^2/NDF: 1588212.7/38

In: 35.587+/-0.005 χ^2/NDF:3605576.3/40

Out: 36.488+/-0.005 χ^2/NDF:4873195.6/45

All: 36.039+/-0.004 χ^2/NDF: 8493285.7/86



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

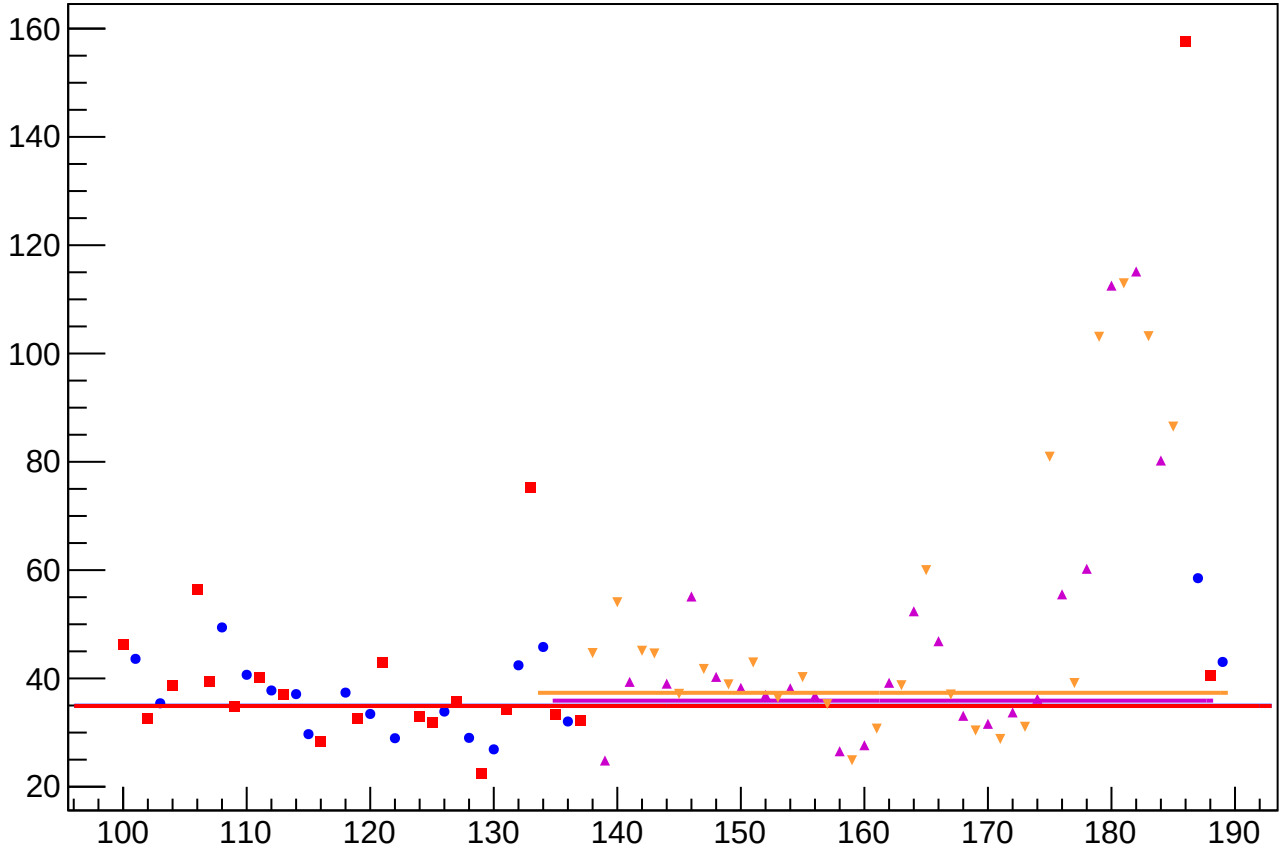
Right: 0.003+/-0.009 χ^2/NDF: 33.1/38

In: 0.008+/-0.007 χ^2/NDF:46.4/40

Out: -0.001+/-0.007 χ^2/NDF:48.7/45

All: 0.003+/-0.005 χ^2/NDF: 95.8/86

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.959+/-0.009 χ^2/NDF: 460379.9/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 34.904+/-0.009 χ^2/NDF: 1127814.3/20

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

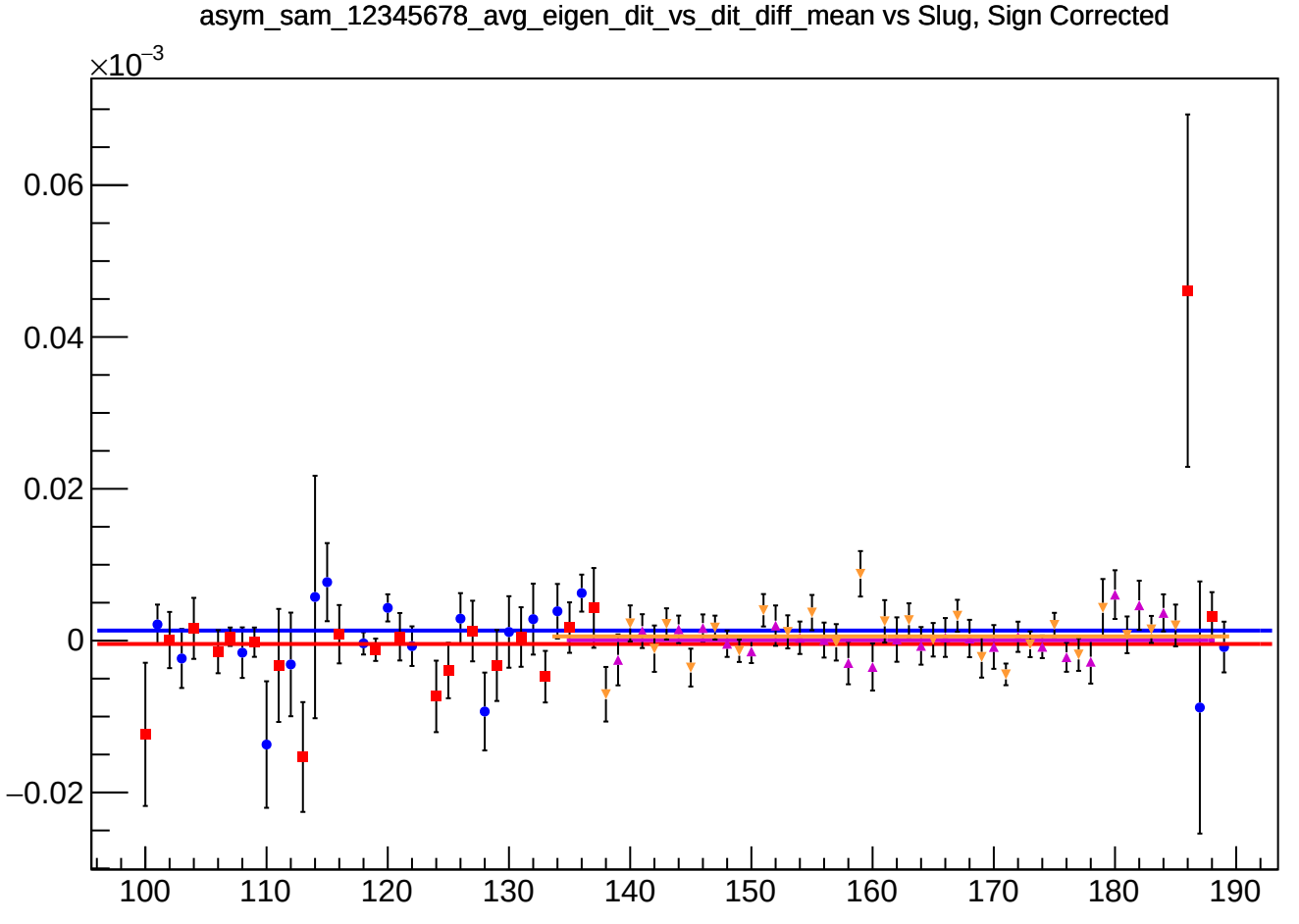
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 34.931+/-0.006 χ^2/NDF: 1588212.7/38

In: 35.587+/-0.005 χ^2/NDF:3605576.3/40

Out: 36.488+/-0.005 χ^2/NDF:4873195.6/45

All: 36.039+/-0.004 χ^2/NDF: 8493285.7/86



Right In: 0.000+/-0.000 χ^2/NDF: 21.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/20

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

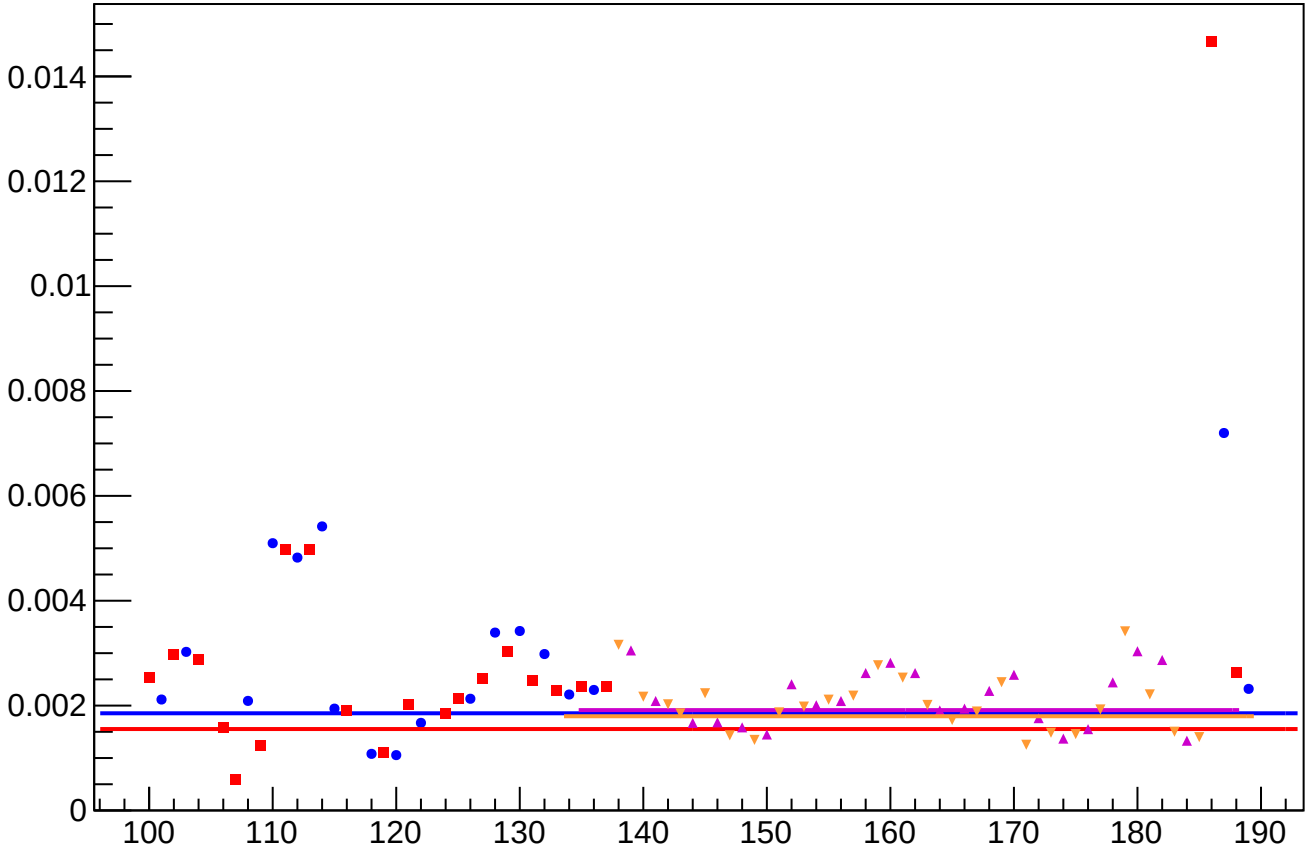
Right: 0.000+/-0.000 χ^2/NDF: 44.4/38

In: 0.000+/-0.000 χ^2/NDF:40.9/40

Out: 0.000+/-0.000 χ^2/NDF:64.5/45

All: 0.000+/-0.000 χ^2/NDF: 105.5/86

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2820606.0/17

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4562896.4/20

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

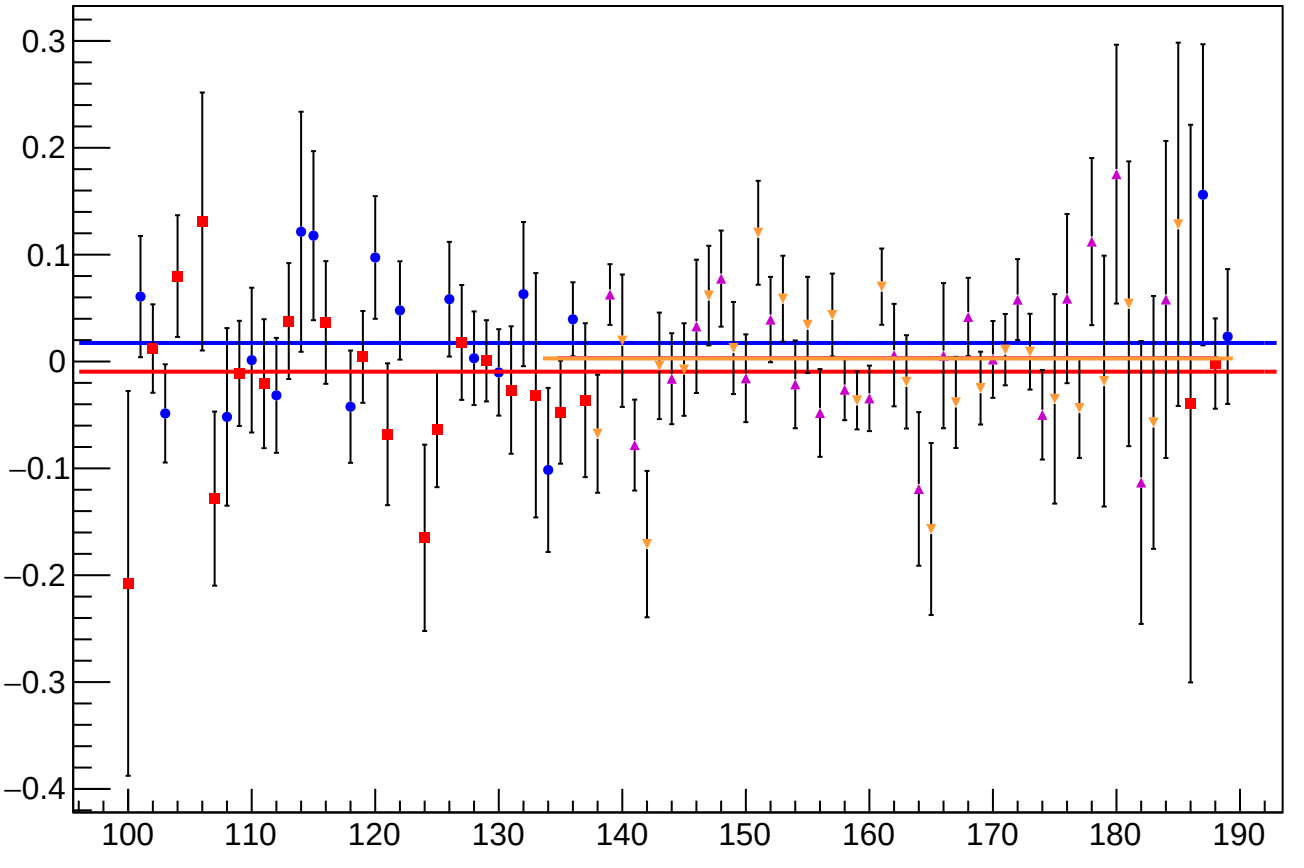
Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

Right: 0.002+/-0.000 χ^2/NDF: 7575592.7/38

In: 0.002+/-0.000 χ^2/NDF:5002050.2/40

Out: 0.002+/-0.000 χ^2/NDF:7046935.8/45

All: 0.002+/-0.000 χ^2/NDF: 12269286.3/86



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

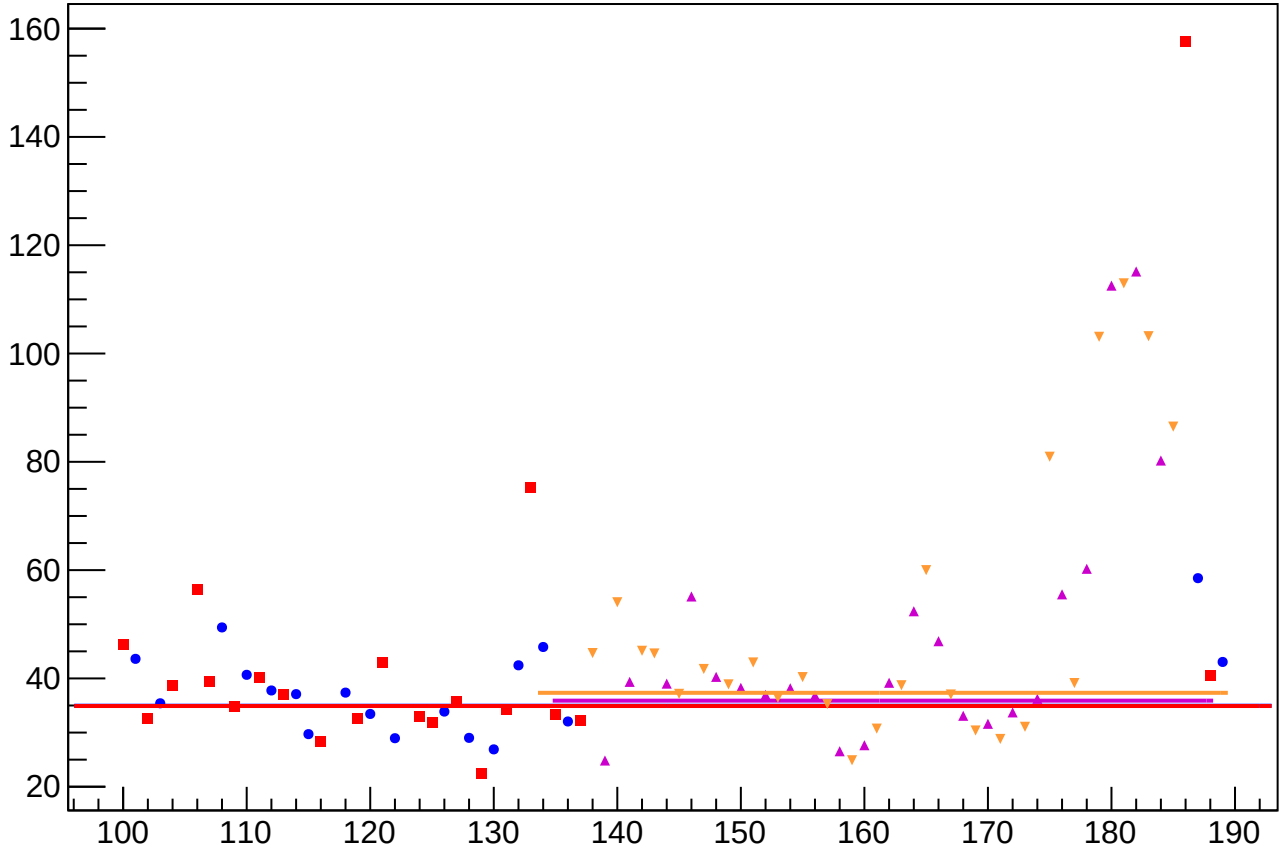
Right: 0.003+/-0.009 χ^2/NDF: 33.1/38

In: 0.008+/-0.007 χ^2/NDF:46.4/40

Out: -0.001+/-0.007 χ^2/NDF:48.7/45

All: 0.003+/-0.005 χ^2/NDF: 95.8/86

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.959+/-0.009 χ^2/NDF: 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 34.904+/-0.009 χ^2/NDF: 1127888.5/20

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

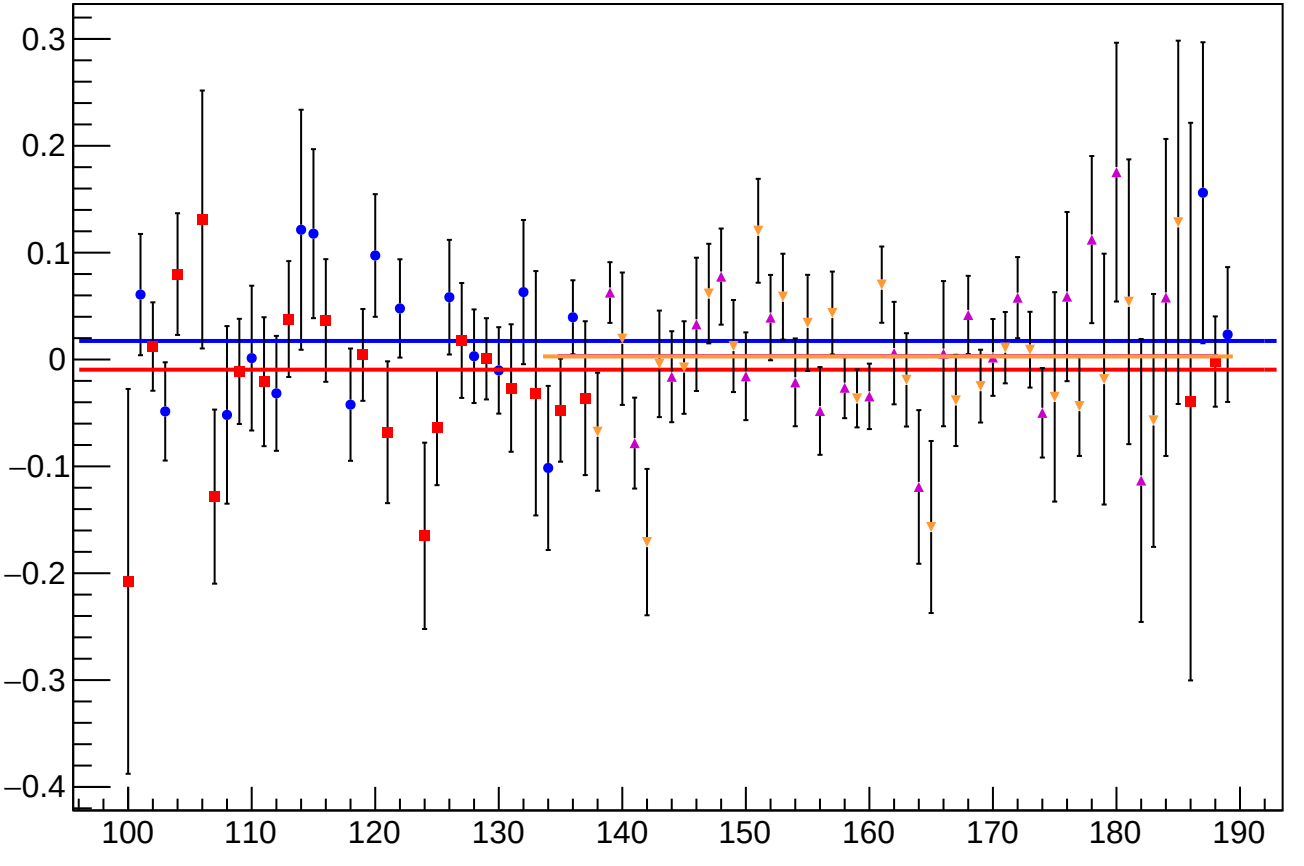
Right: 34.930+/-0.006 χ^2/NDF: 1588357.7/38

In: 35.587+/-0.005 χ^2/NDF:3605679.0/40

Out: 36.488+/-0.005 χ^2/NDF:4873345.8/45

All: 36.039+/-0.004 χ^2/NDF: 8493539.2/86

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.013 χ^2/NDF: 15.8/17

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

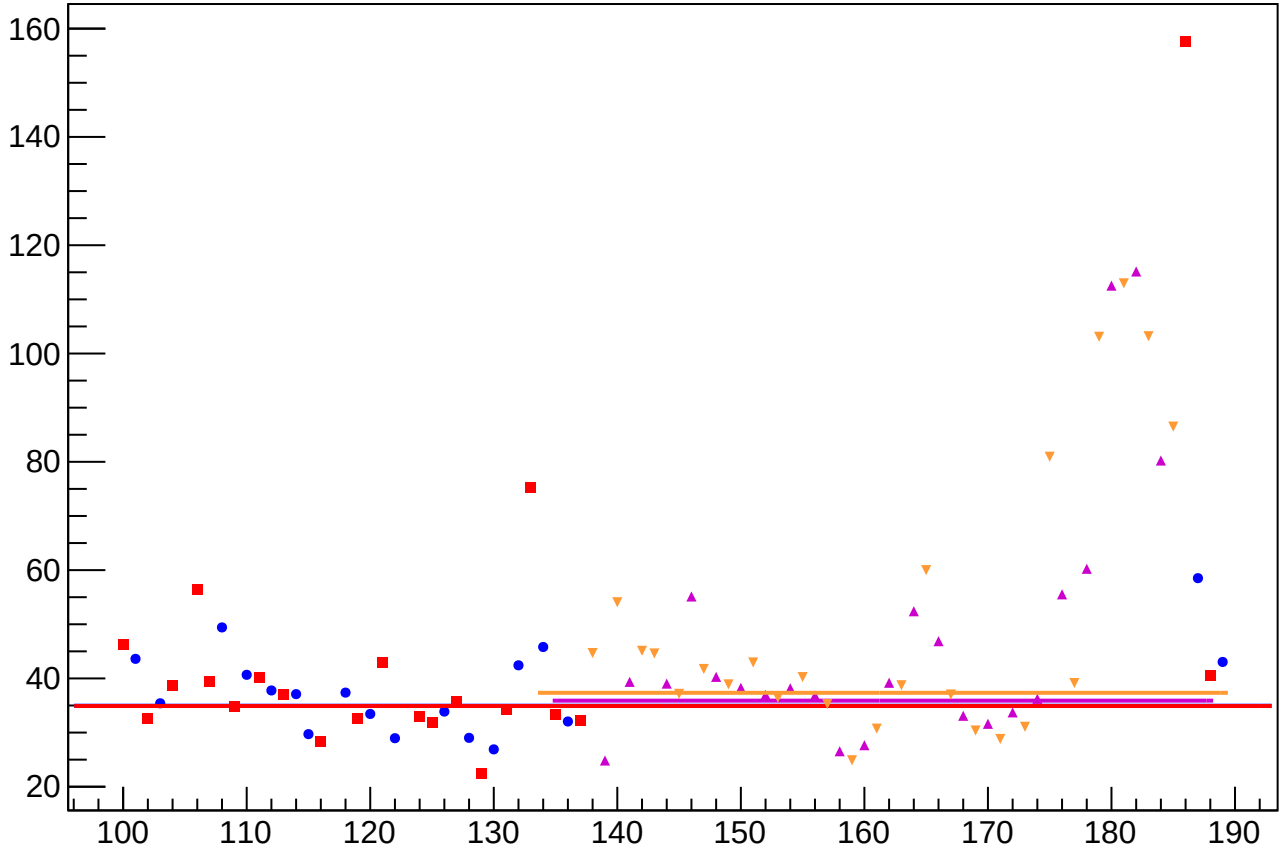
Right: 0.003+/-0.009 χ^2/NDF: 33.1/38

In: 0.008+/-0.007 χ^2/NDF:46.4/40

Out: -0.001+/-0.007 χ^2/NDF:48.7/45

All: 0.003+/-0.005 χ^2/NDF: 95.8/86

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.959+/-0.009 χ^2/NDF: 460451.0/17

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 34.904+/-0.009 χ^2/NDF: 1127888.5/20

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

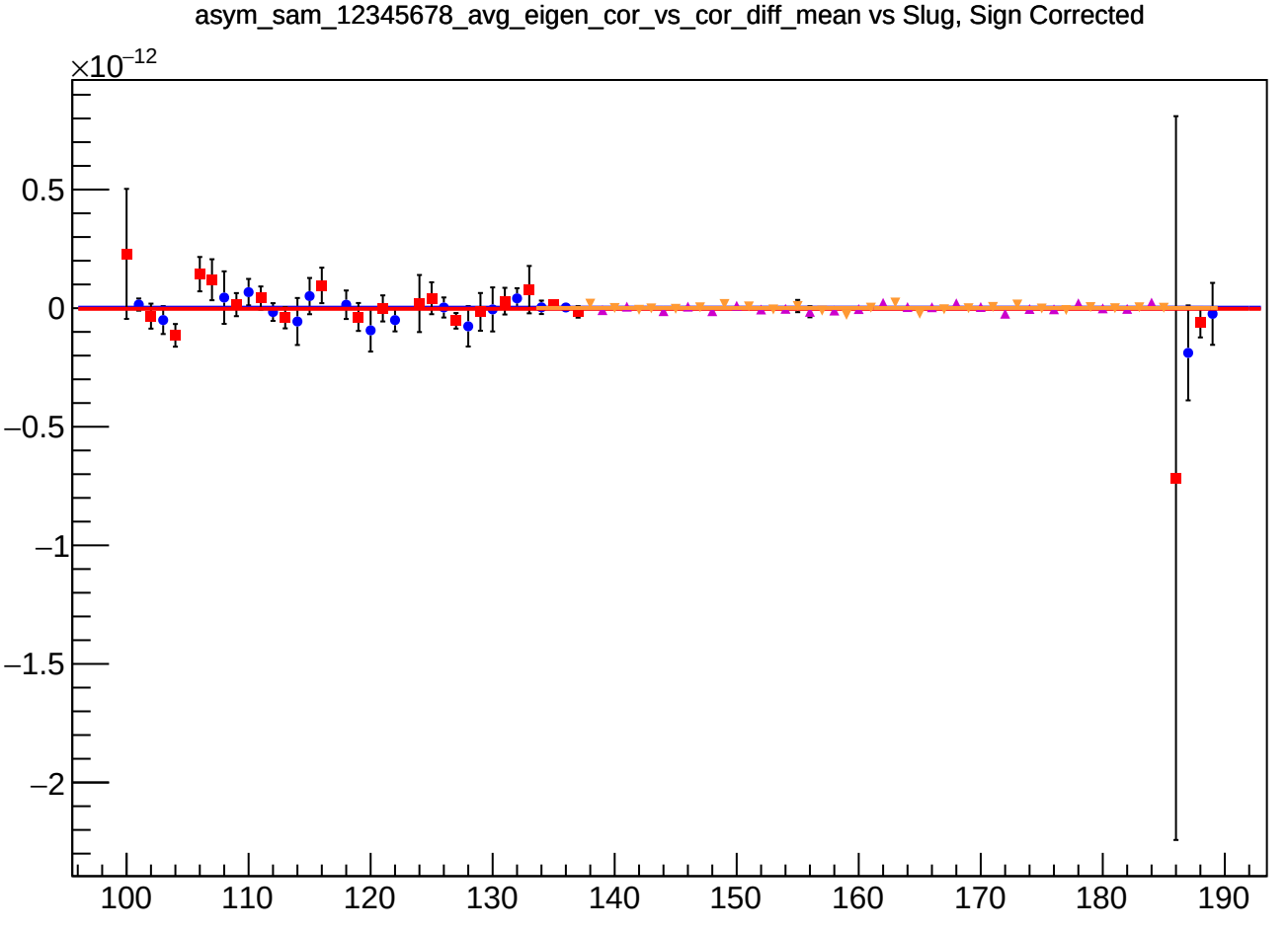
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 34.930+/-0.006 χ^2/NDF: 1588357.7/38

In: 35.587+/-0.005 χ^2/NDF:3605679.0/40

Out: 36.488+/-0.005 χ^2/NDF:4873345.8/45

All: 36.039+/-0.004 χ^2/NDF: 8493539.2/86



Right In: 0.000+/-0.000 χ^2/NDF: 8.6/17

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/20

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

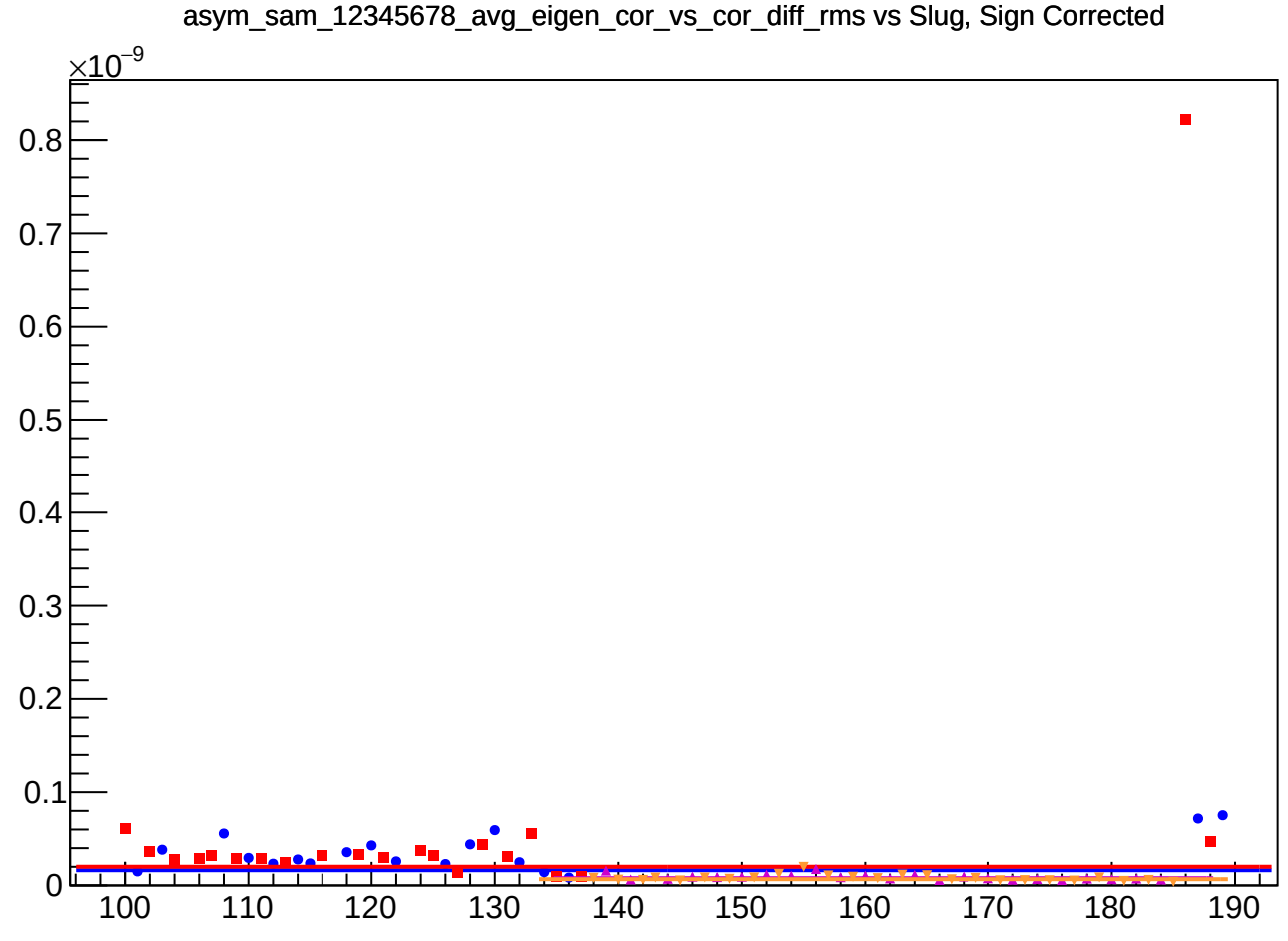
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 31.3/38

In: 0.000+/-0.000 χ^2/NDF:37.9/40

Out: 0.000+/-0.000 χ^2/NDF:44.1/45

All: 0.000+/-0.000 χ^2/NDF: 81.9/86



Right In: 0.000+/-0.000 χ^2/NDF: 3386838.8/17

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3371737.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

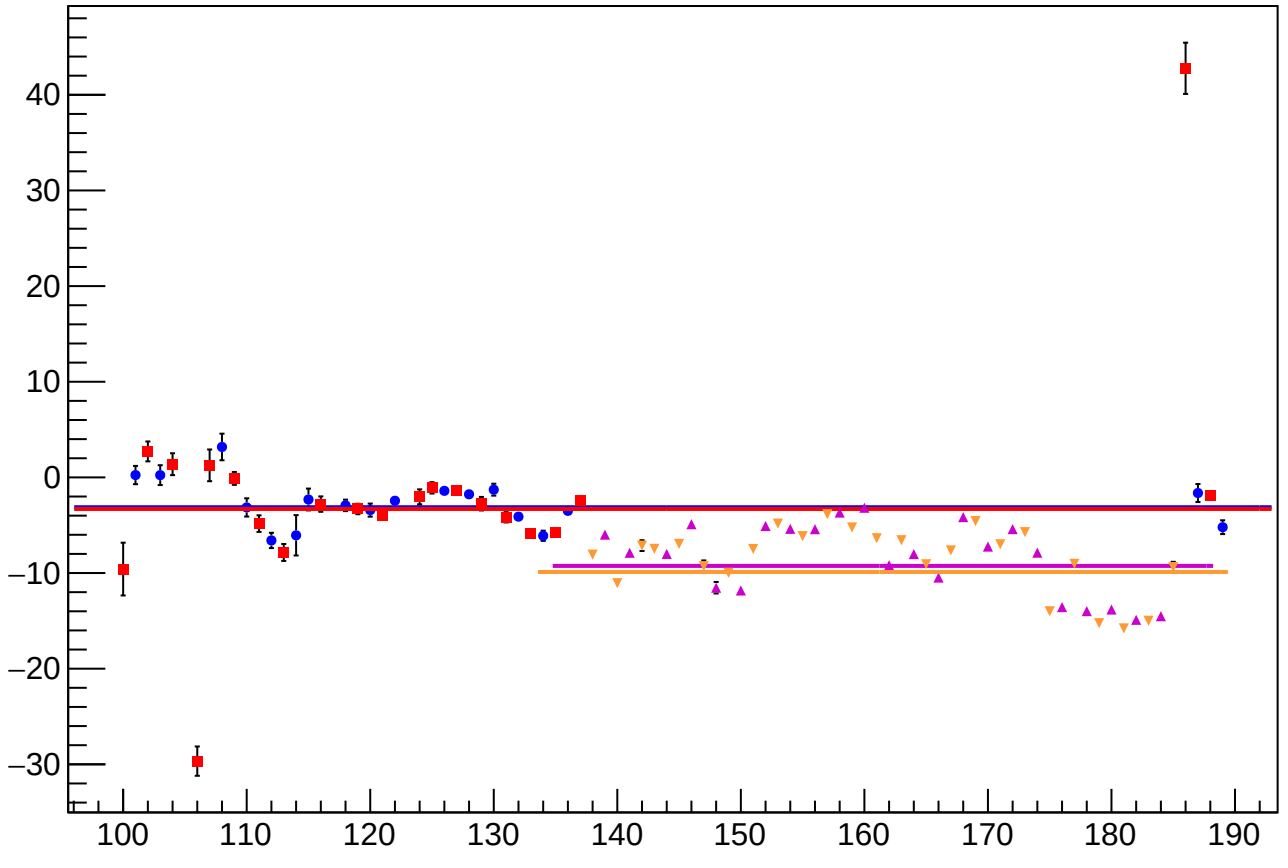
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6913957.0/38

In: 0.000+/-0.000 χ^2/NDF:6783882.6/40

Out: 0.000+/-0.000 χ^2/NDF:8938427.6/45

All: 0.000+/-0.000 χ^2/NDF: 16004116.6/86



Right In: -3.119+/-0.132 χ^2/NDF: 144.7/17

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.302+/-0.128 χ^2/NDF: 856.1/20

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

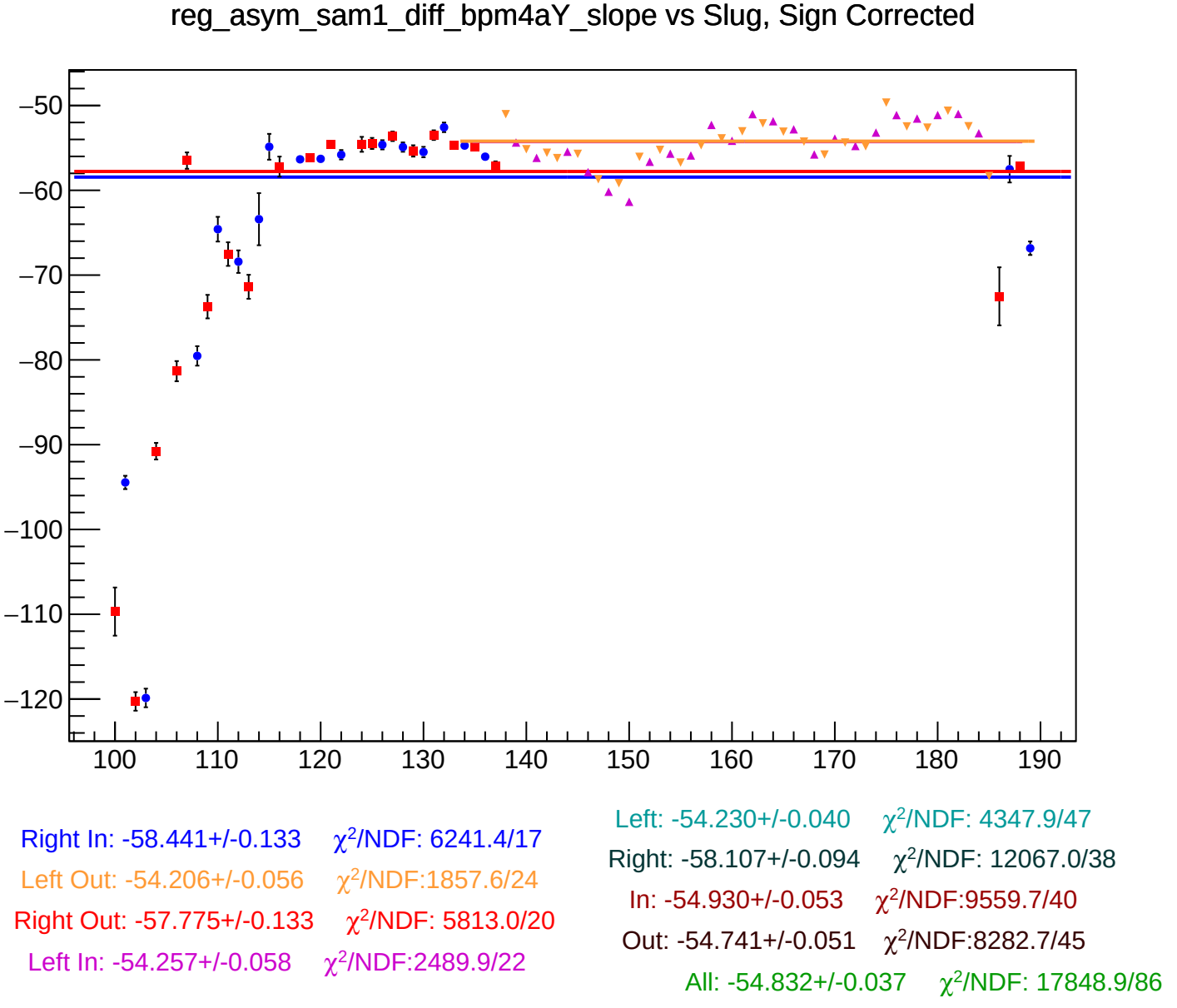
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

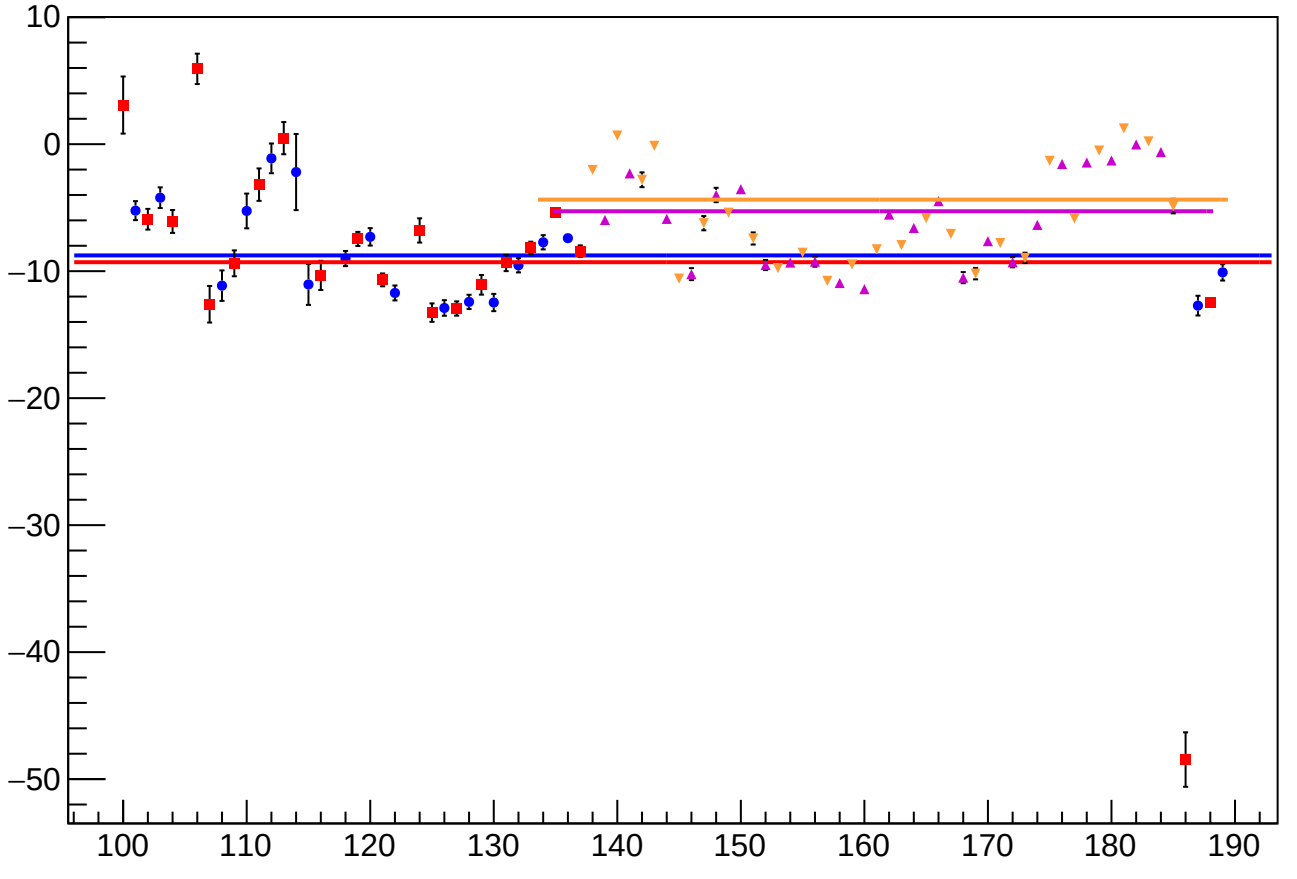
Right: -3.213+/-0.092 χ^2/NDF: 1001.8/38

In: -7.853+/-0.063 χ^2/NDF:4888.7/40

Out: -8.395+/-0.061 χ^2/NDF:6094.4/45

All: -8.132+/-0.044 χ^2/NDF: 11021.2/86


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
170
180
190
Right In: -58.441+/-0.133 χ²/NDF: 6241.4/17
Left Out: -54.206+/-0.056 χ²/NDF:1857.6/24
Right Out: -57.775+/-0.133 χ²/NDF: 5813.0/20
Left In: -54.257+/-0.058 χ²/NDF:2489.9/22
Left: -54.230+/-0.040 χ²/NDF: 4347.9/47
Right: -58.107+/-0.094 χ²/NDF: 12067.0/38
In: -54.930+/-0.053 χ²/NDF:9559.7/40
Out: -54.741+/-0.051 χ²/NDF:8282.7/45
All: -54.832+/-0.037 χ²/NDF: 17848.9/86



Right In: -8.760+/-0.139 χ^2/NDF: 332.9/17

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -9.294+/-0.132 χ^2/NDF: 1040.7/20

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

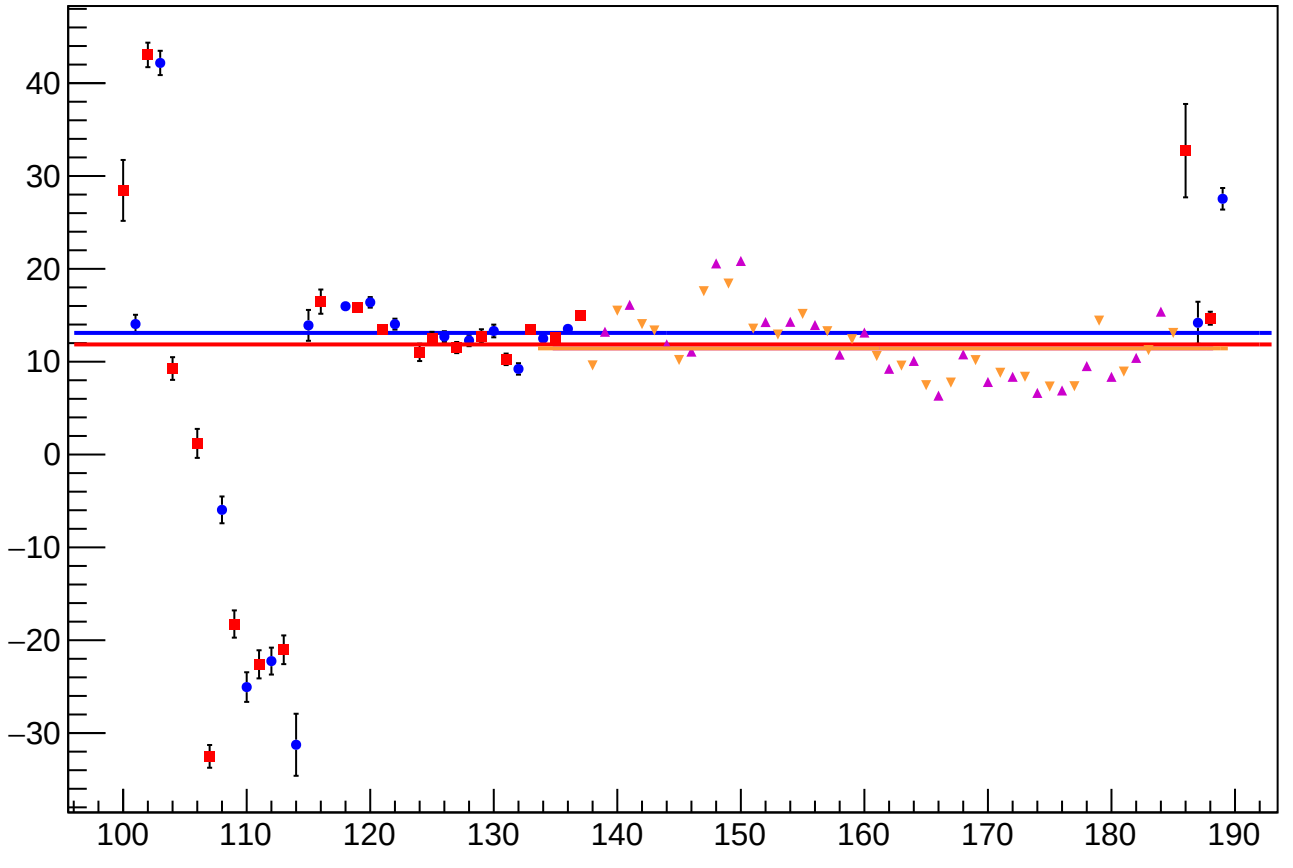
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -9.041+/-0.096 χ^2/NDF: 1381.4/38

In: -6.004+/-0.063 χ^2/NDF:3579.6/40

Out: -5.431+/-0.061 χ^2/NDF:5836.4/45

All: -5.709+/-0.044 χ^2/NDF: 9458.3/86



Right In: 13.100+/-0.149 χ^2/NDF: 2286.0/17

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 11.858+/-0.151 χ^2/NDF: 3533.4/20

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

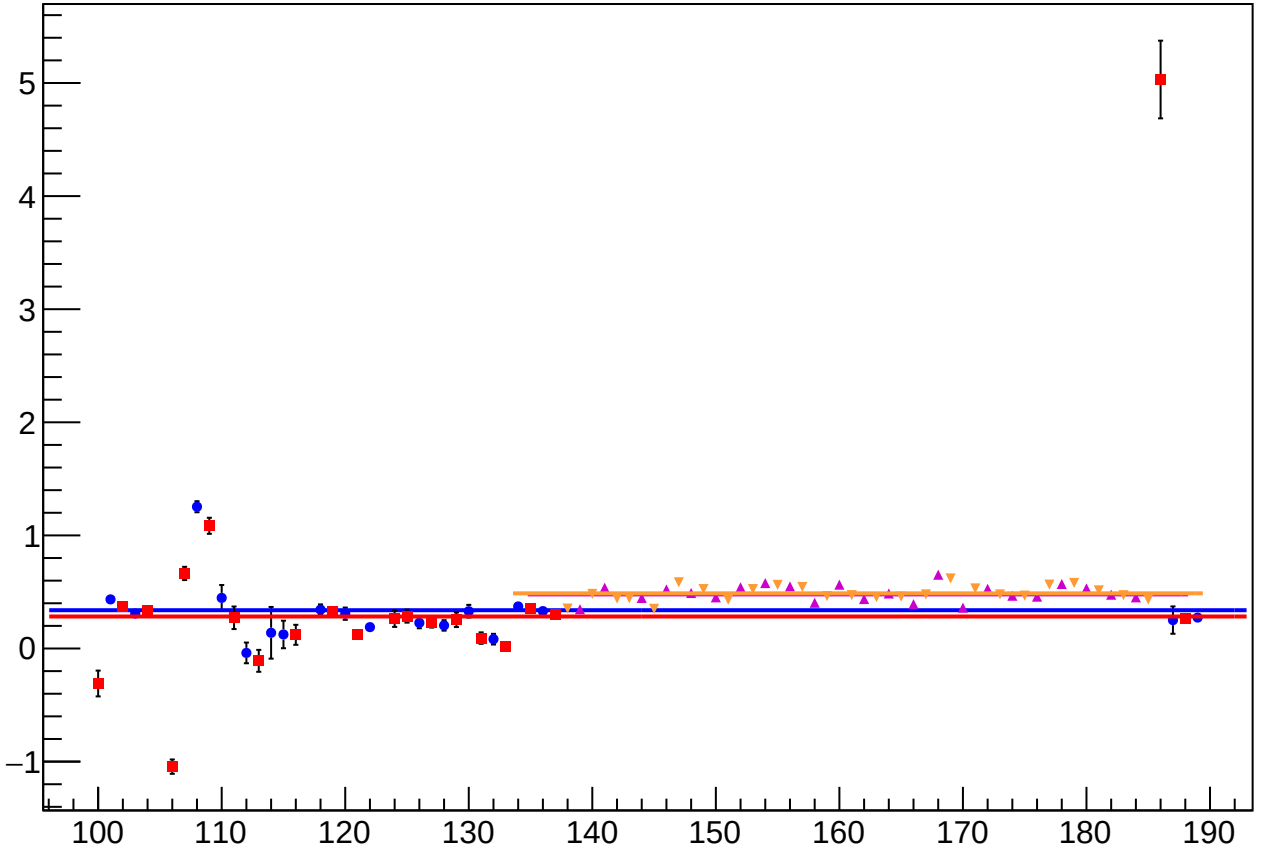
Right: 12.489+/-0.106 χ^2/NDF: 5853.6/38

In: 11.701+/-0.059 χ^2/NDF:5749.2/40

Out: 11.498+/-0.057 χ^2/NDF:5975.7/45

All: 11.597+/-0.041 χ^2/NDF: 11731.0/86

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.339+/-0.008 χ^2/NDF: 437.9/17

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.283+/-0.008 χ^2/NDF: 969.0/20

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

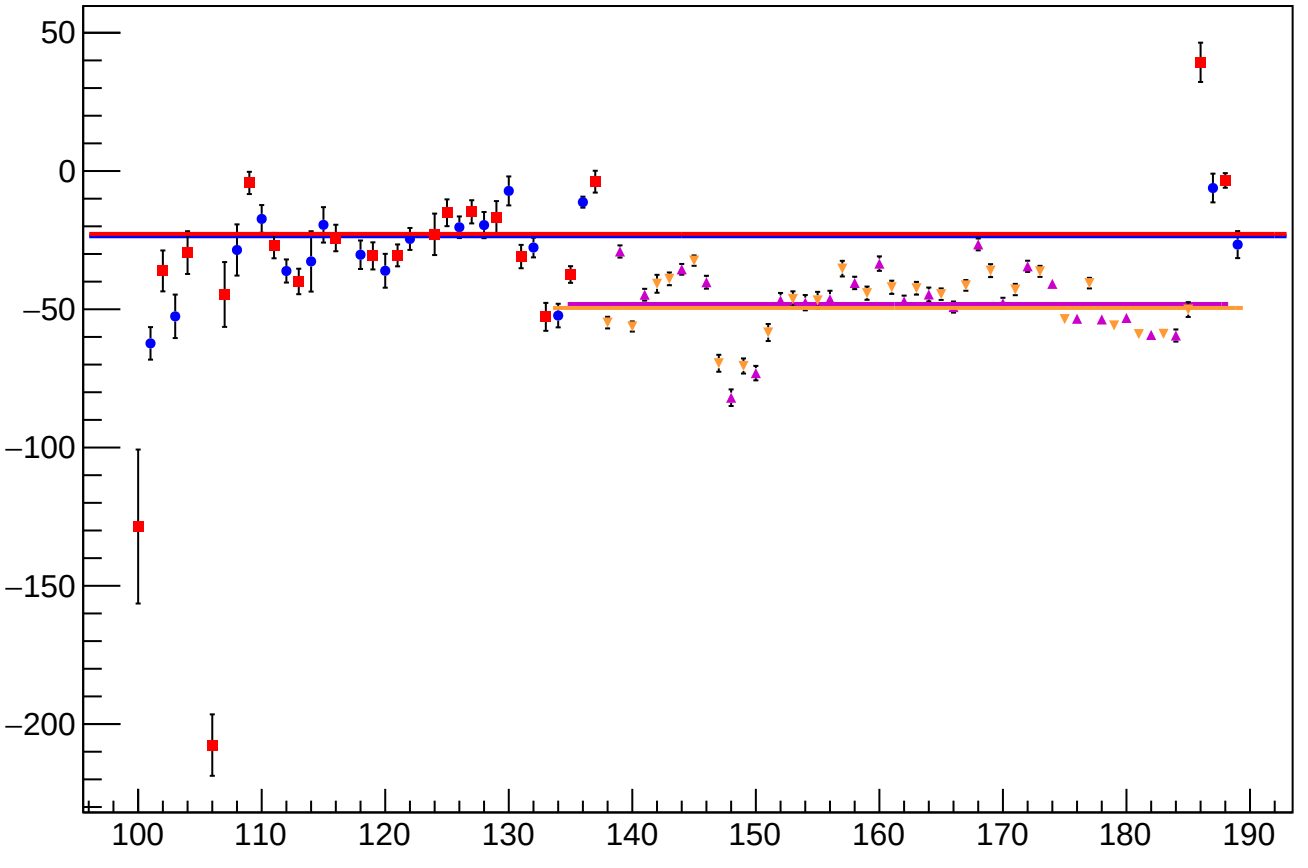
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.312+/-0.006 χ^2/NDF: 1431.2/38

In: 0.463+/-0.003 χ^2/NDF:1526.7/40

Out: 0.467+/-0.003 χ^2/NDF:2072.3/45

All: 0.465+/-0.002 χ^2/NDF: 3600.6/86



Right In: -23.591+/-1.039 χ^2/NDF: 182.7/17

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -22.739+/-1.033 χ^2/NDF: 563.8/20

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

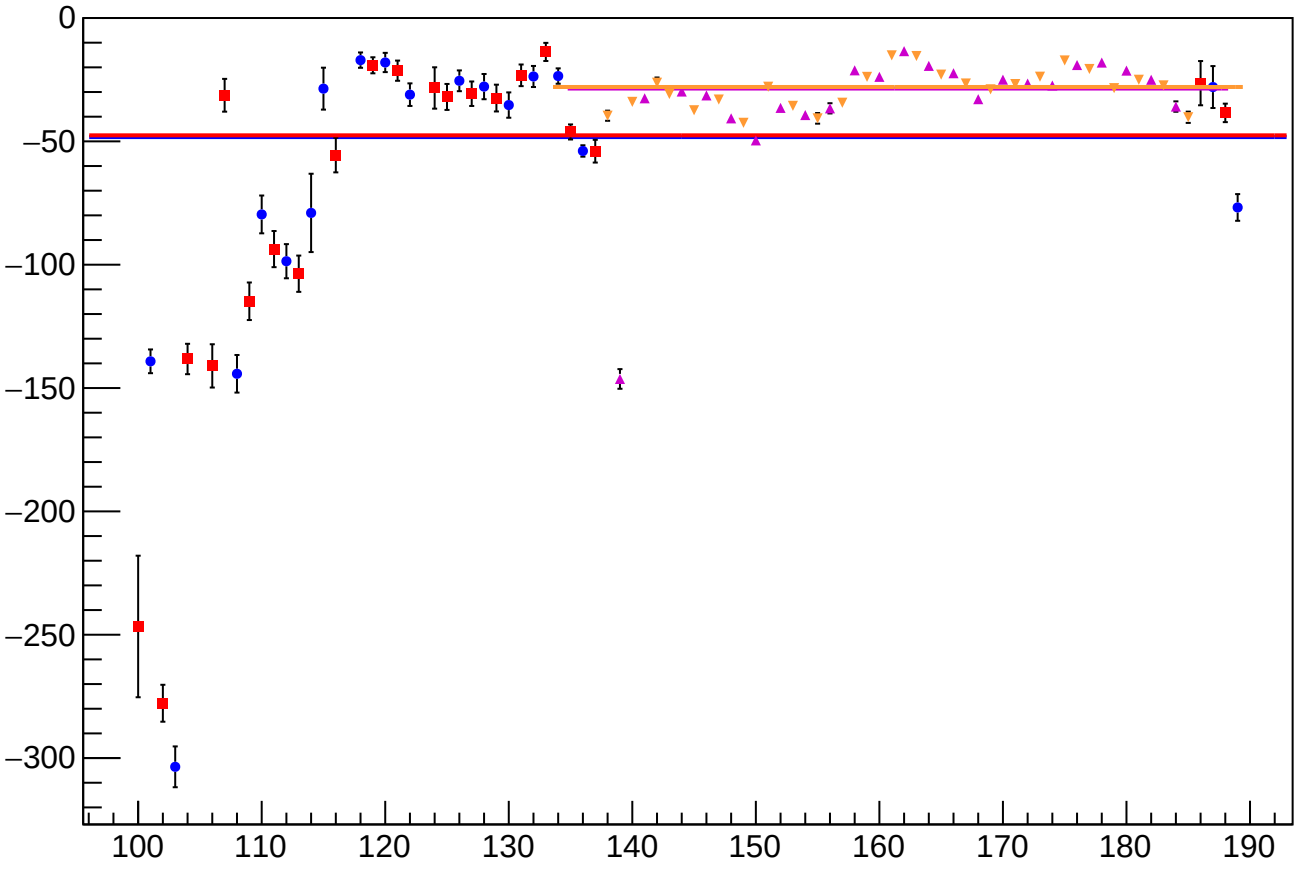
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -23.163+/-0.733 χ^2/NDF: 746.8/38

In: -44.667+/-0.388 χ^2/NDF:1367.2/40

Out: -45.990+/-0.375 χ^2/NDF:1723.2/45

All: -45.352+/-0.270 χ^2/NDF: 3096.3/86



Right In: -48.262+/-1.070 χ^2/NDF: 1907.6/17

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -47.557+/-1.119 χ^2/NDF: 1787.2/20

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

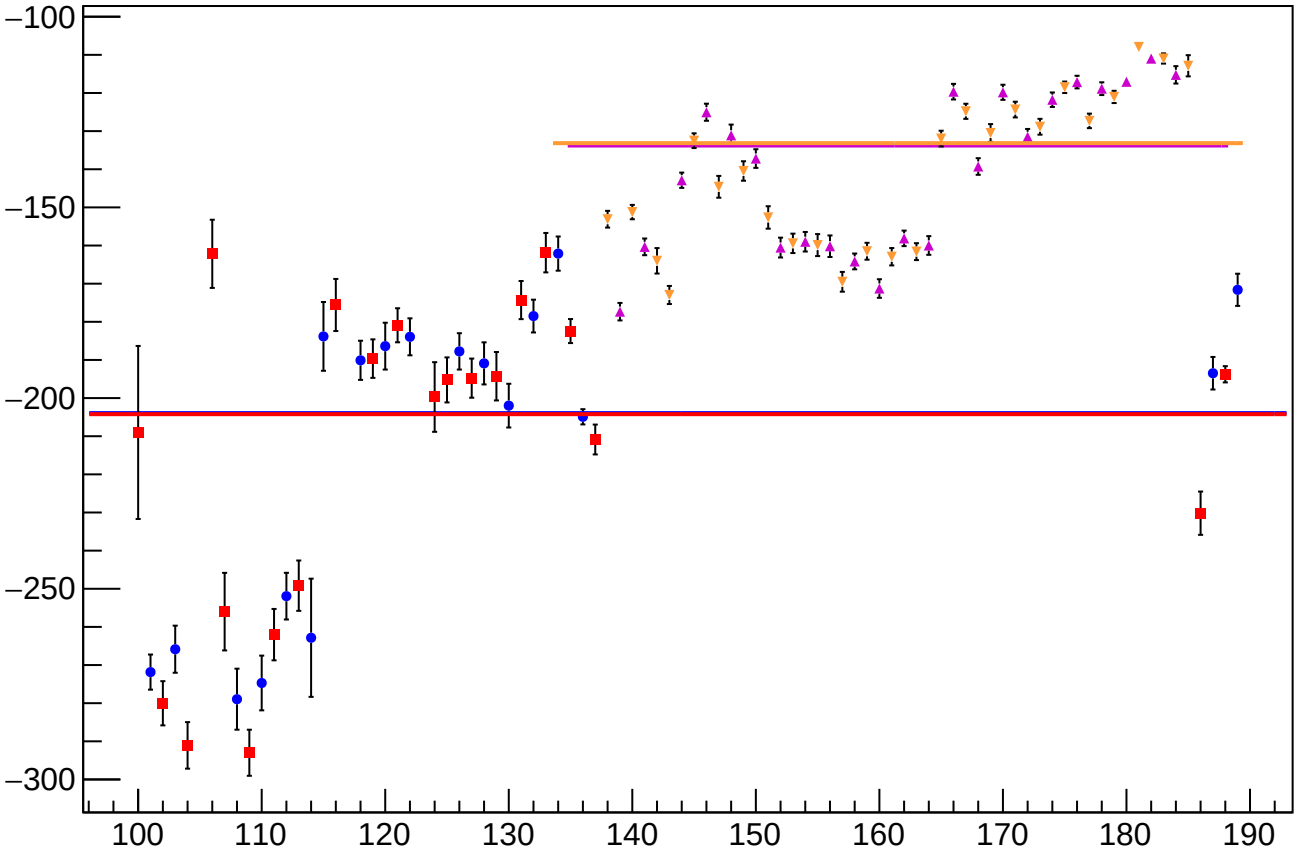
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -47.925+/-0.773 χ^2/NDF: 3695.0/38

In: -30.334+/-0.318 χ^2/NDF:3696.1/40

Out: -29.449+/-0.309 χ^2/NDF:2568.5/45

All: -29.878+/-0.222 χ^2/NDF: 6268.5/86



Right In: -203.946+/-1.097 χ^2/NDF: 821.2/17

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -204.219+/-1.077 χ^2/NDF: 1018.1/20

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

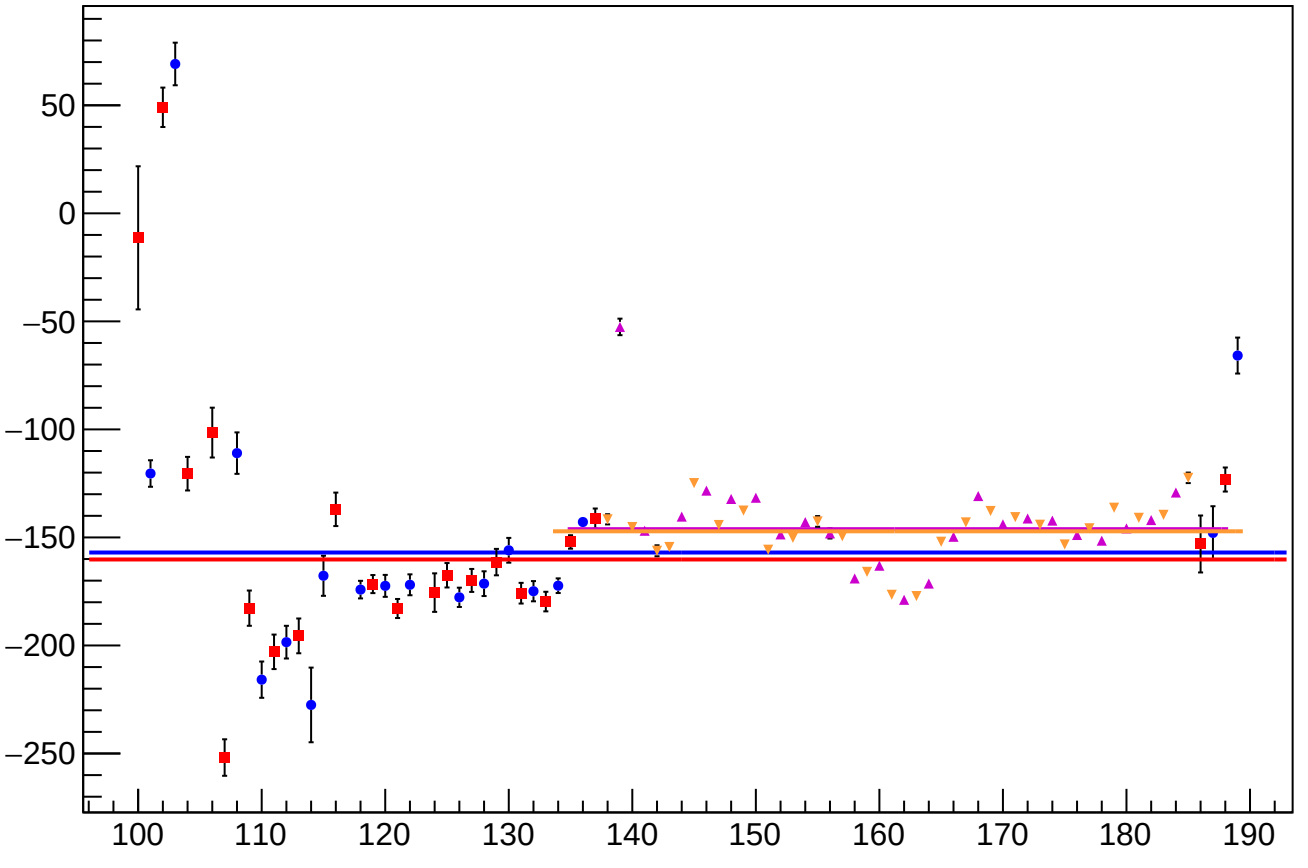
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -204.085+/-0.768 χ^2/NDF: 1839.3/38

In: -142.639+/-0.390 χ^2/NDF:6838.0/40

Out: -141.882+/-0.377 χ^2/NDF:7368.8/45

All: -142.248+/-0.271 χ^2/NDF: 14208.8/86



Right In: -156.983+/-1.207 χ^2/NDF: 939.1/17

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -160.203+/-1.282 χ^2/NDF: 919.7/20

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

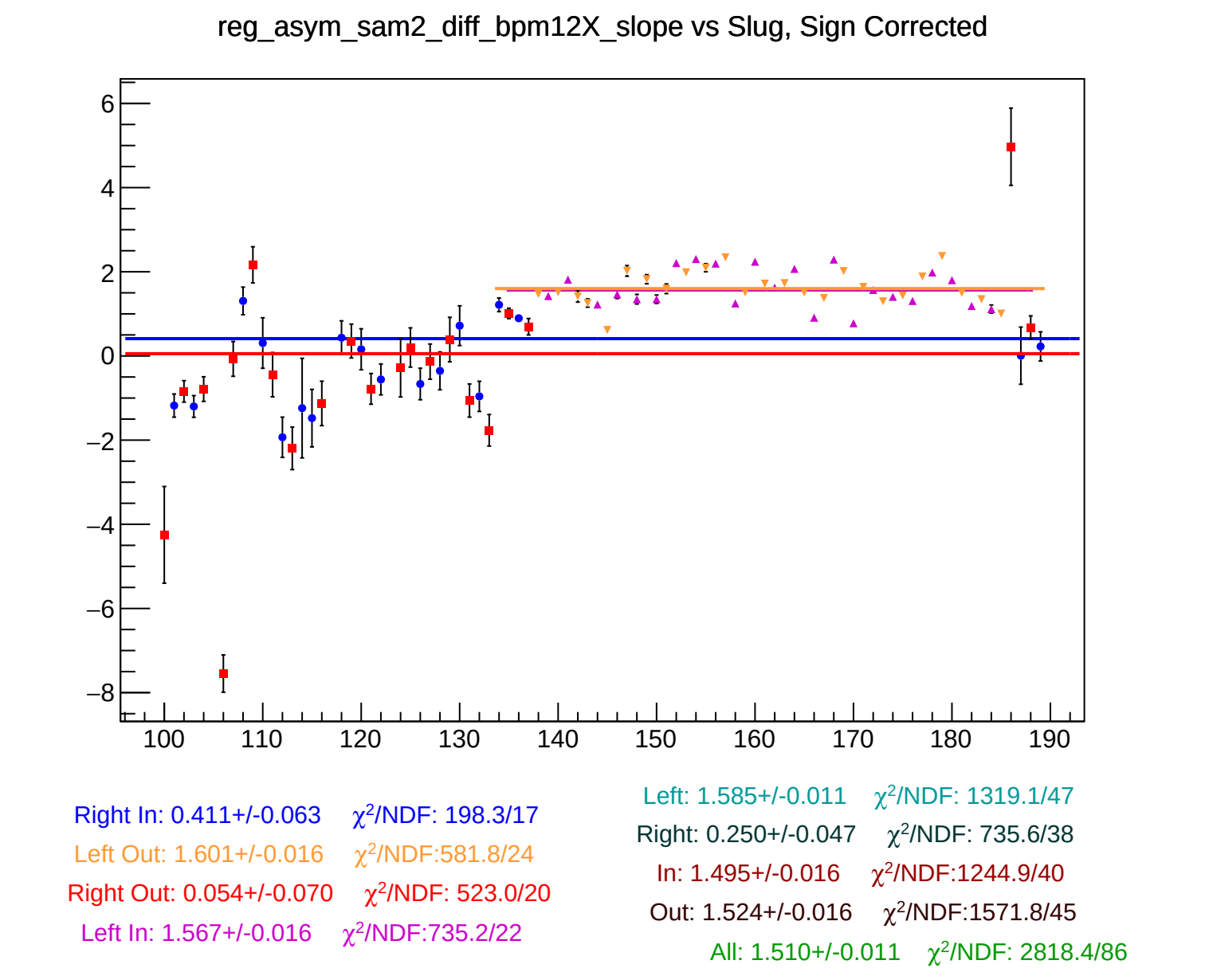
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

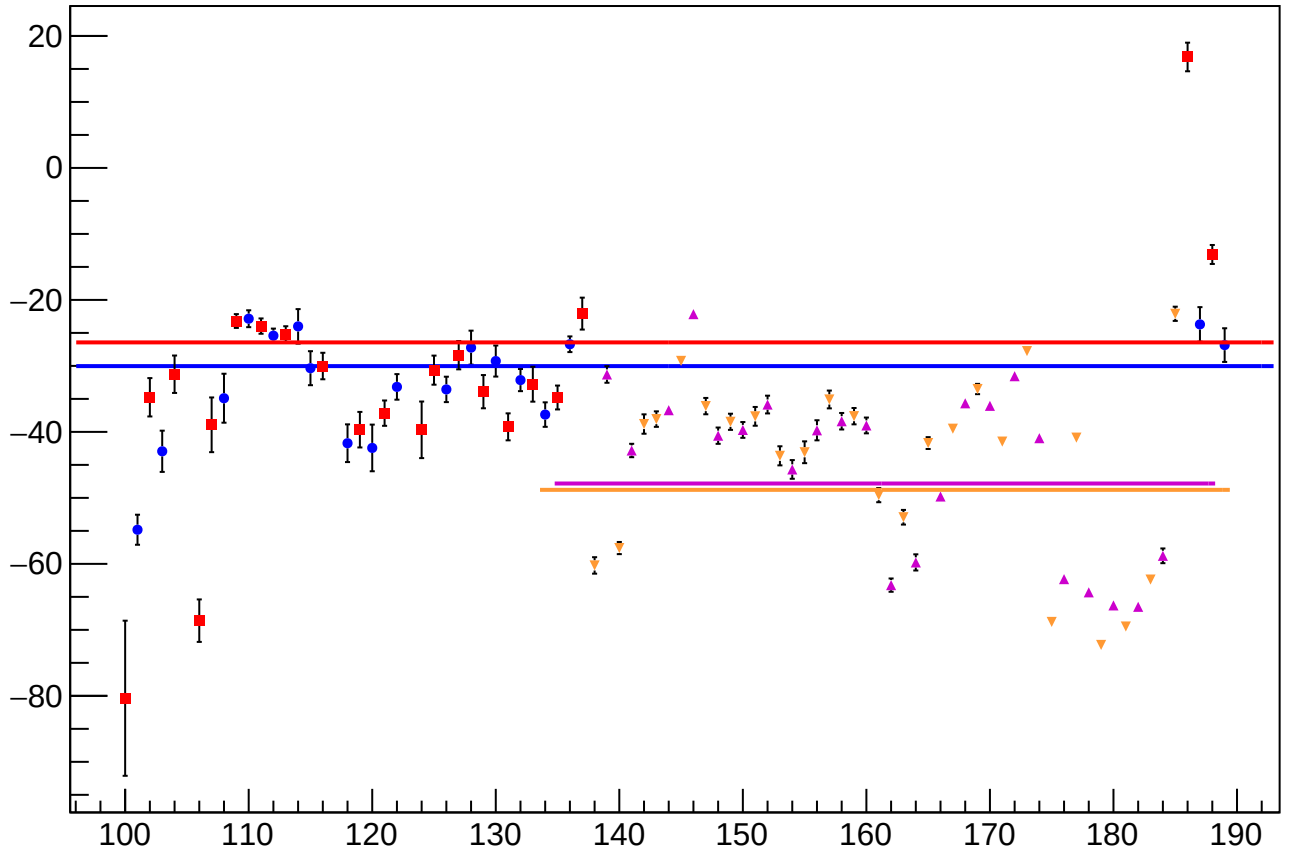
Right: -158.495+/-0.879 χ^2/NDF: 1862.2/38

In: -147.105+/-0.354 χ^2/NDF:2806.2/40

Out: -148.110+/-0.345 χ^2/NDF:2261.3/45

All: -147.621+/-0.247 χ^2/NDF: 5071.7/86


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.411+/-0.063 χ²/NDF: 198.3/17
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.054+/-0.070 χ²/NDF: 523.0/20
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.250+/-0.047 χ²/NDF: 735.6/38
In: 1.495+/-0.016 χ²/NDF:1244.9/40
Out: 1.524+/-0.016 χ²/NDF:1571.8/45
All: 1.510+/-0.011 χ²/NDF: 2818.4/86



Right In: -30.032+/-0.453 χ^2/NDF: 261.4/17

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -26.439+/-0.422 χ^2/NDF: 862.6/20

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

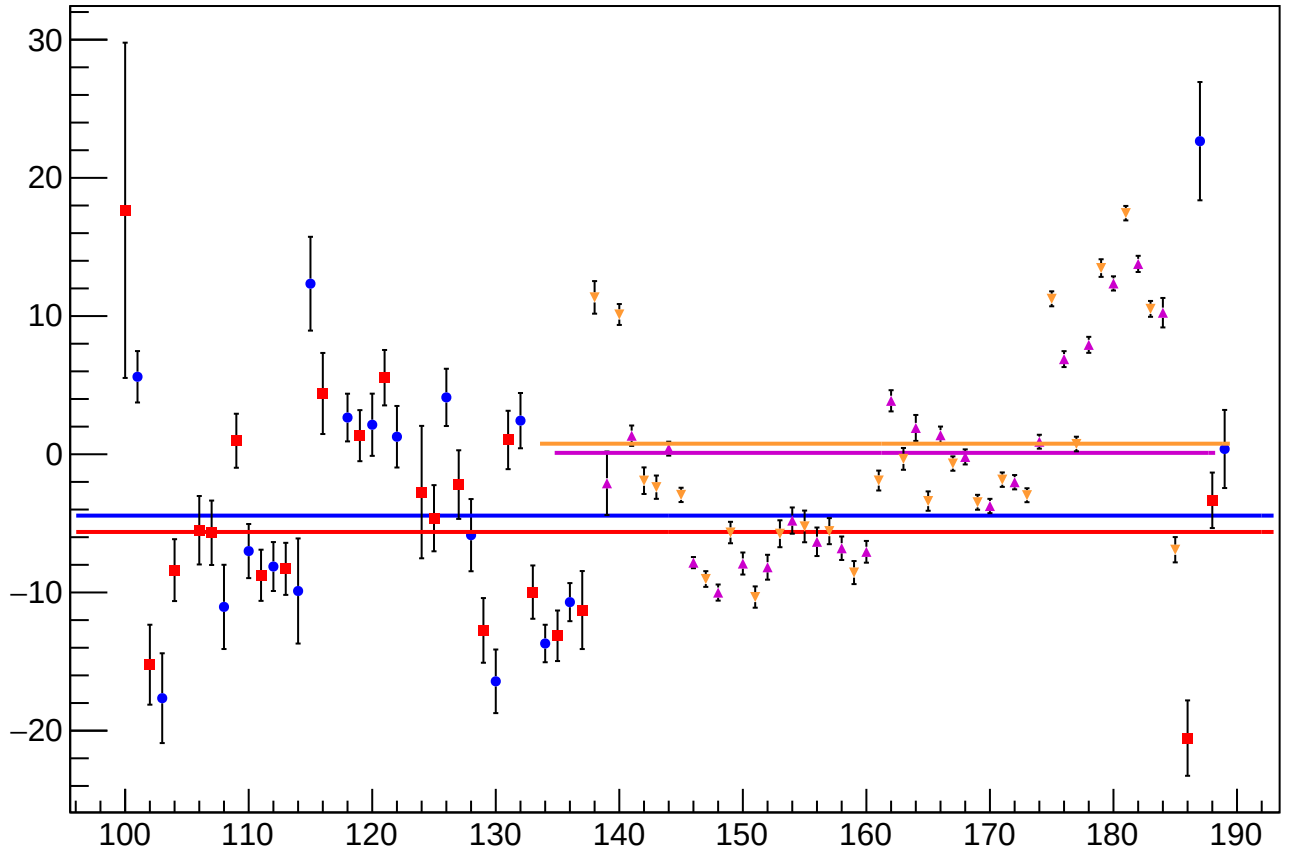
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

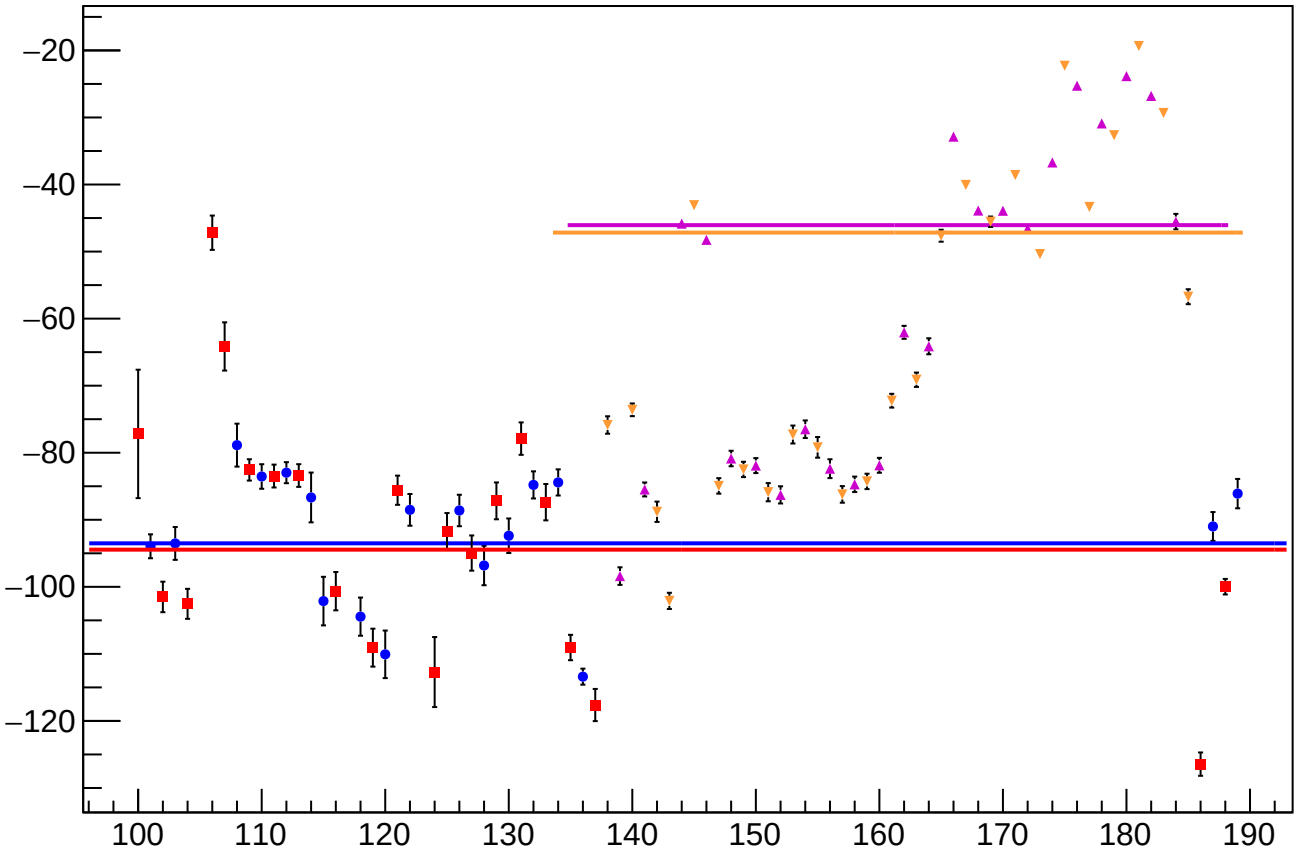
Right: -28.106+/-0.309 χ^2/NDF: 1157.7/38

In: -45.628+/-0.159 χ^2/NDF:8835.5/40

Out: -45.761+/-0.155 χ^2/NDF:12244.4/45

All: -45.696+/-0.111 χ^2/NDF: 21080.2/86


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: -4.439+/-0.498 χ²/NDF: 281.4/17
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -5.622+/-0.498 χ²/NDF: 168.2/20
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -5.030+/-0.352 χ²/NDF: 452.5/38
In: -0.200+/-0.128 χ²/NDF:3080.8/40
Out: 0.345+/-0.128 χ²/NDF:3789.0/45
All: 0.073+/-0.091 χ²/NDF: 6878.9/86



Right In: -93.512+/-0.507 χ^2/NDF: 480.9/17

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -94.456+/-0.473 χ^2/NDF: 1213.7/20

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

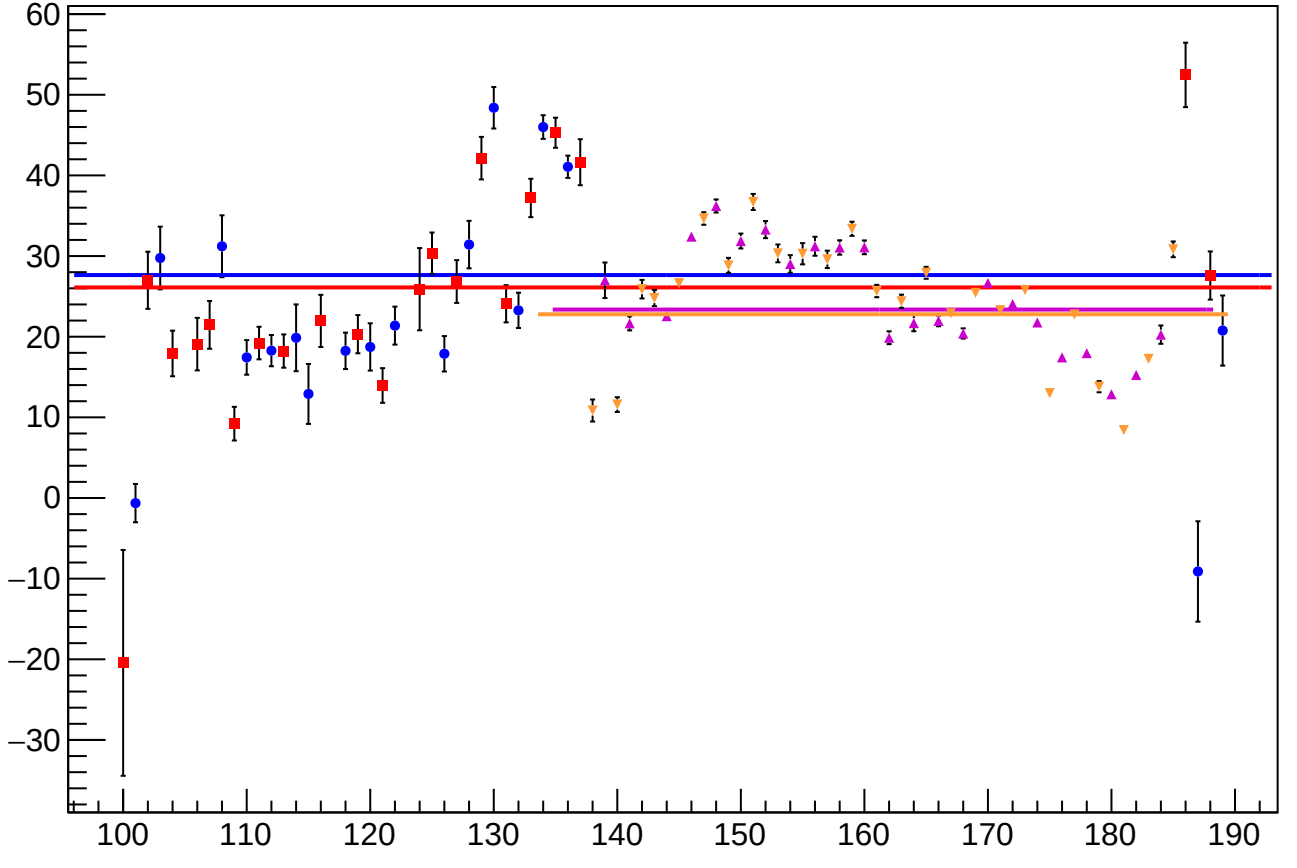
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -94.017+/-0.346 χ^2/NDF: 1696.5/38

In: -50.865+/-0.161 χ^2/NDF:23128.5/40

Out: -52.437+/-0.158 χ^2/NDF:27749.6/45

All: -51.667+/-0.113 χ^2/NDF: 50926.6/86



Right In: 27.643+/-0.562 χ^2/NDF: 621.1/17

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 26.110+/-0.573 χ^2/NDF: 399.5/20

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

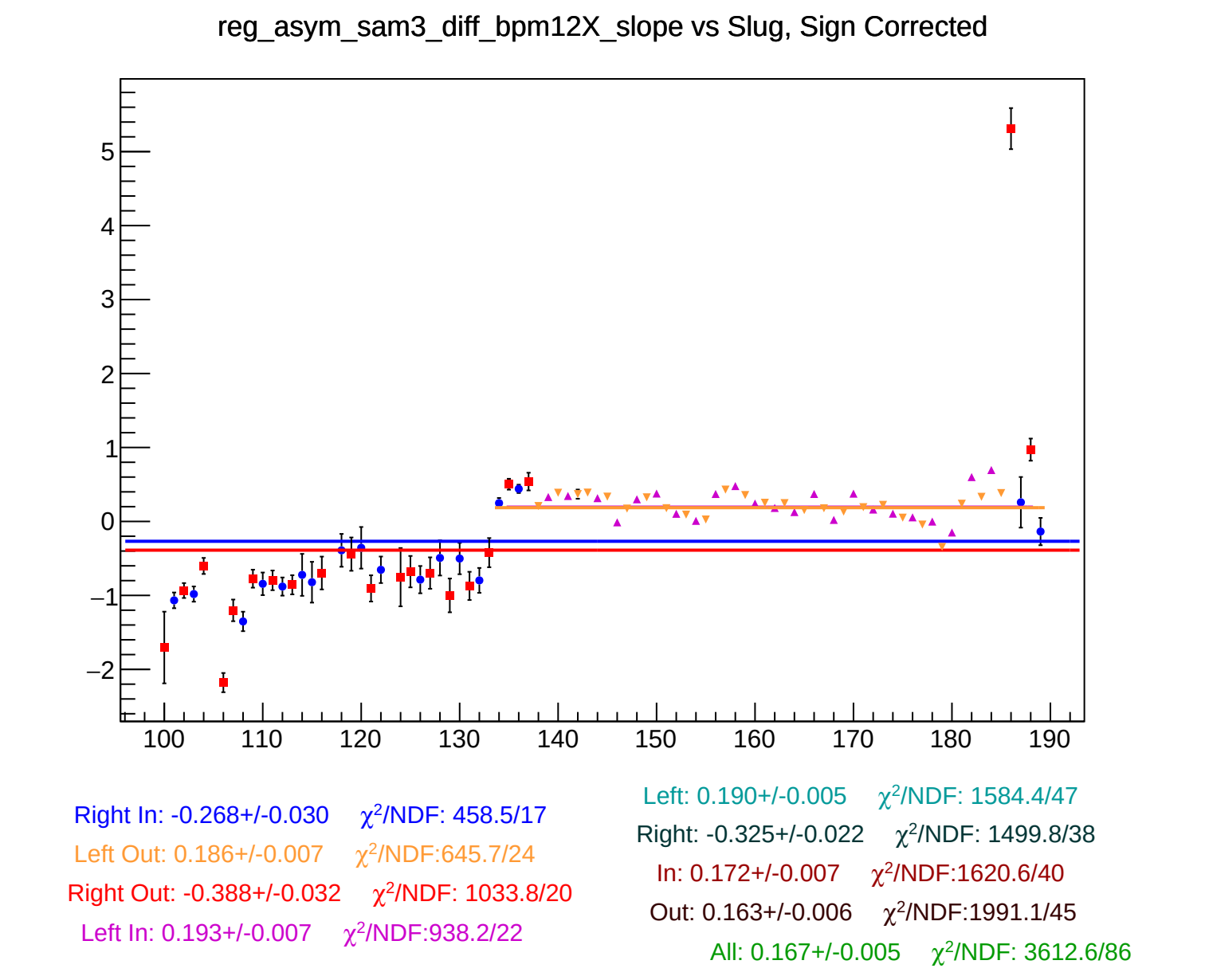
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

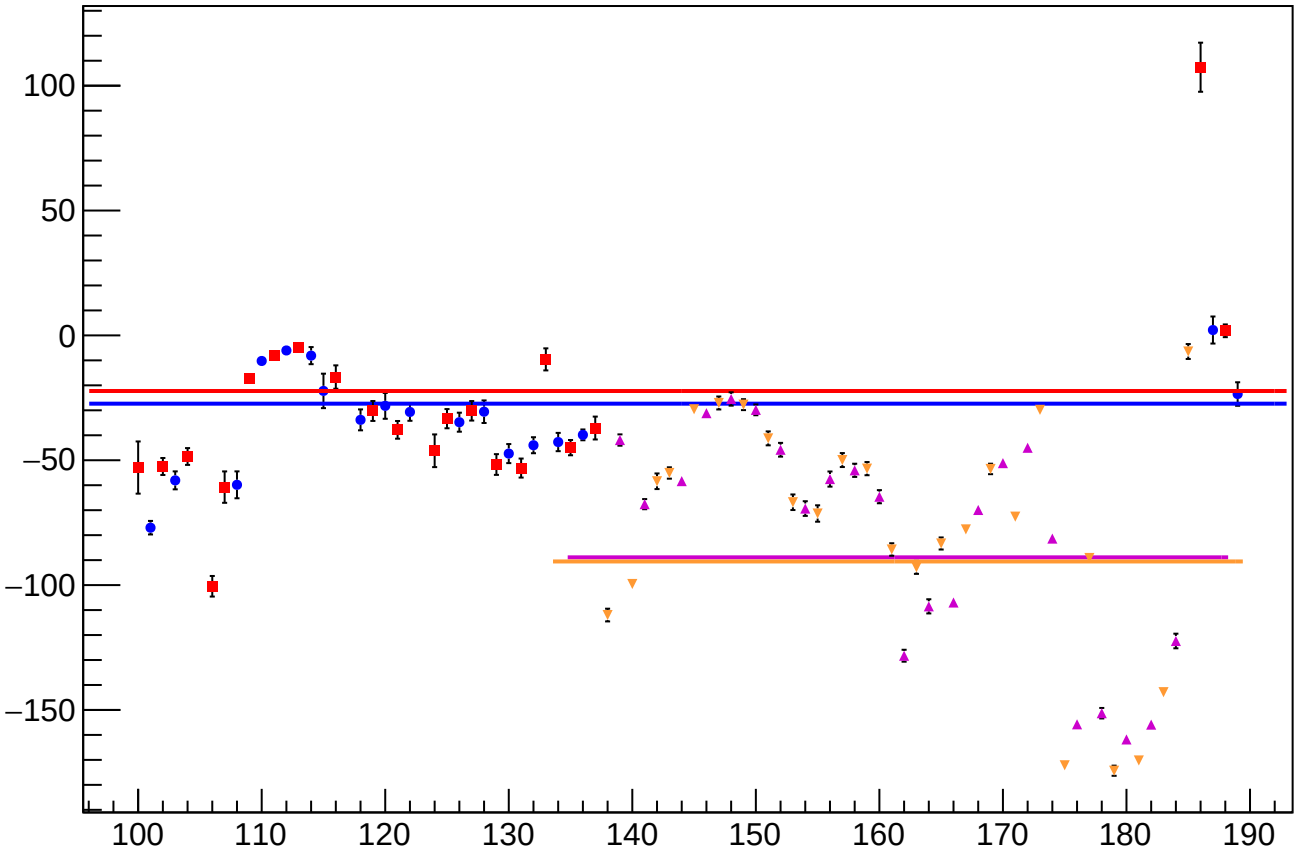
Right: 26.892+/-0.401 χ^2/NDF: 1024.2/38

In: 23.646+/-0.144 χ^2/NDF:2460.6/40

Out: 22.988+/-0.143 χ^2/NDF:2844.1/45

All: 23.314+/-0.101 χ^2/NDF: 5315.2/86


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.268+/-0.030 χ²/NDF: 458.5/17
Left Out: 0.186+/-0.007 χ²/NDF:645.7/24
Right Out: -0.388+/-0.032 χ²/NDF: 1033.8/20
Left In: 0.193+/-0.007 χ²/NDF:938.2/22
Left: 0.190+/-0.005 χ²/NDF: 1584.4/47
Right: -0.325+/-0.022 χ²/NDF: 1499.8/38
In: 0.172+/-0.007 χ²/NDF:1620.6/40
Out: 0.163+/-0.006 χ²/NDF:1991.1/45
All: 0.167+/-0.005 χ²/NDF: 3612.6/86



Right In: -27.343+/-0.713 χ^2/NDF: 925.7/17

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -22.268+/-0.640 χ^2/NDF: 1264.1/20

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

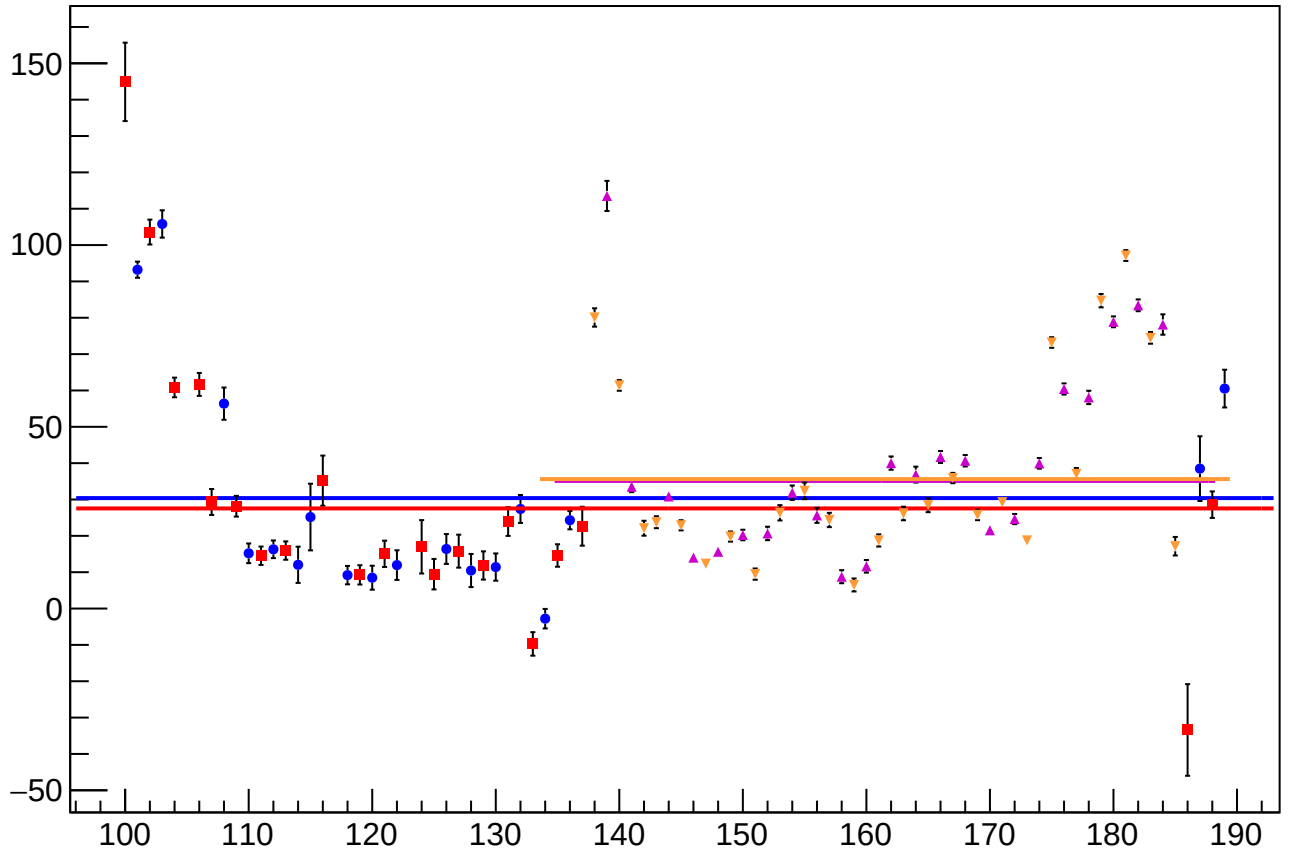
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -24.534+/-0.476 χ^2/NDF: 2217.9/38

In: -72.214+/-0.371 χ^2/NDF:18176.8/40

Out: -69.906+/-0.352 χ^2/NDF:24557.2/45

All: -70.999+/-0.255 χ^2/NDF: 42754.4/86



Right In: 30.389+/-0.794 χ^2/NDF: 1701.2/17

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 27.542+/-0.777 χ^2/NDF: 1208.6/20

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

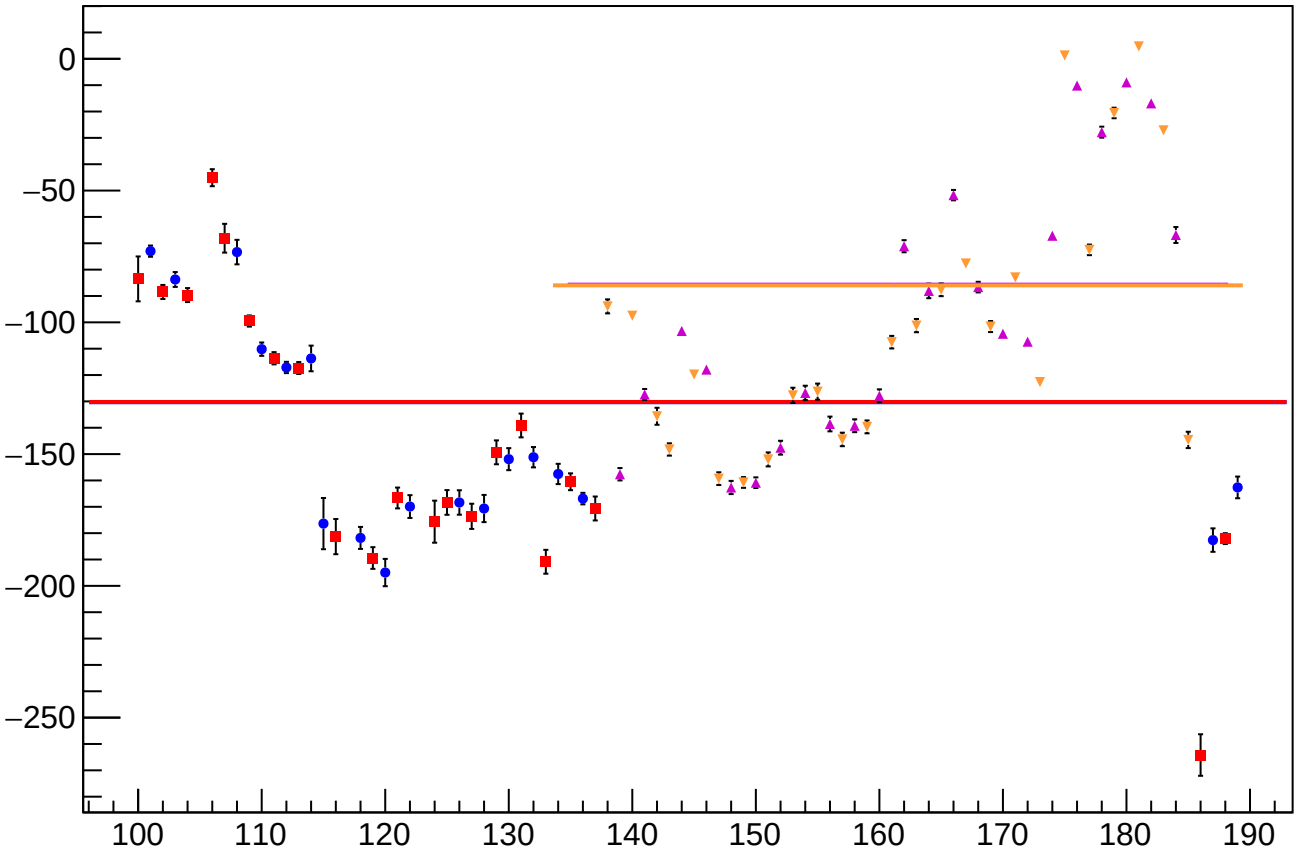
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 28.934+/-0.556 χ^2/NDF: 2916.3/38

In: 34.394+/-0.310 χ^2/NDF:5875.6/40

Out: 34.406+/-0.300 χ^2/NDF:7273.4/45

All: 34.400+/-0.216 χ^2/NDF: 13148.9/86



Right In: -130.318+/-0.800 χ^2/NDF: 2392.1/17

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -130.216+/-0.741 χ^2/NDF: 3449.4/20

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

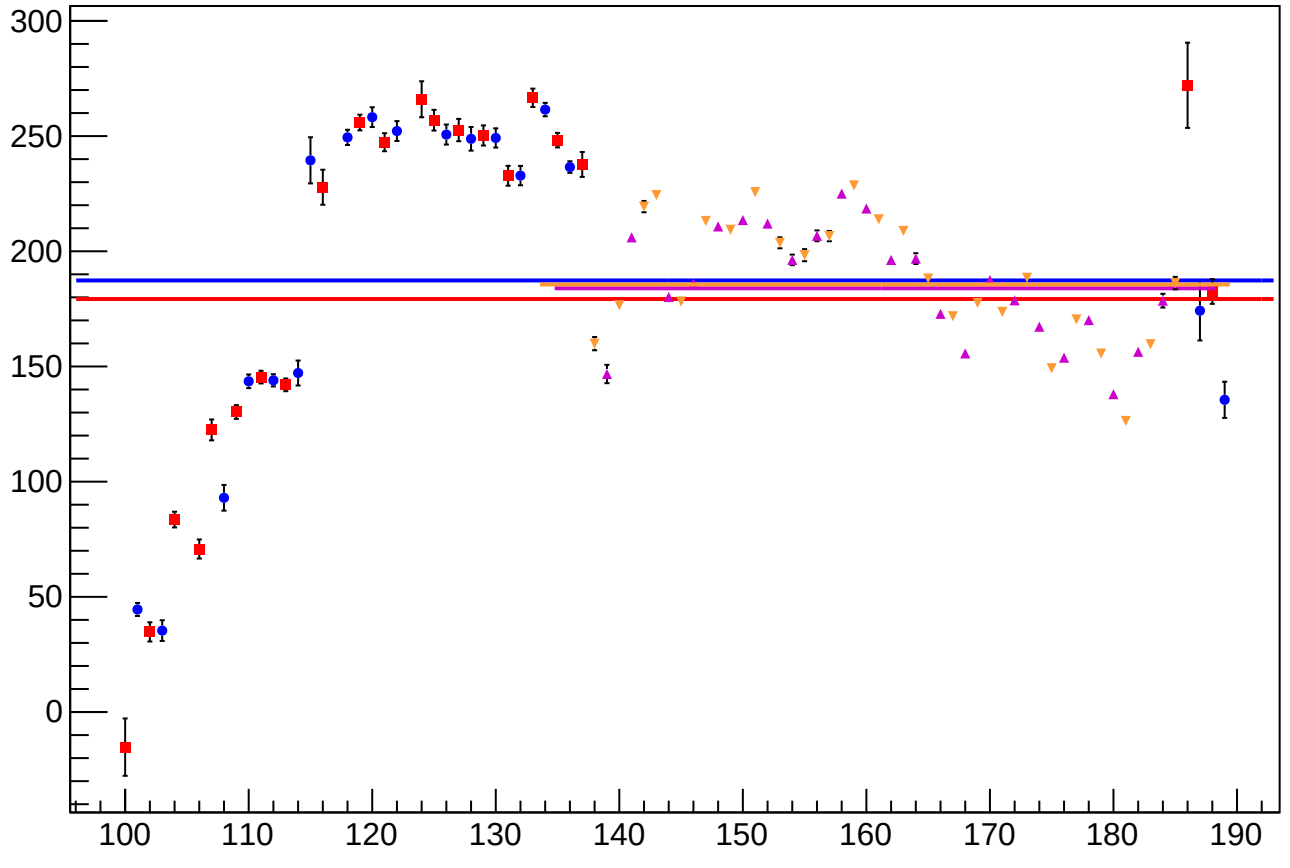
Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

Right: -130.263+/-0.543 χ^2/NDF: 5841.5/38

In: -95.799+/-0.380 χ^2/NDF:18558.4/40

Out: -96.766+/-0.366 χ^2/NDF:22379.7/45

All: -96.301+/-0.264 χ^2/NDF: 40941.5/86



Right In: 187.334+/-0.910 χ^2/NDF: 7163.8/17

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 179.288+/-0.894 χ^2/NDF: 6694.4/20

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

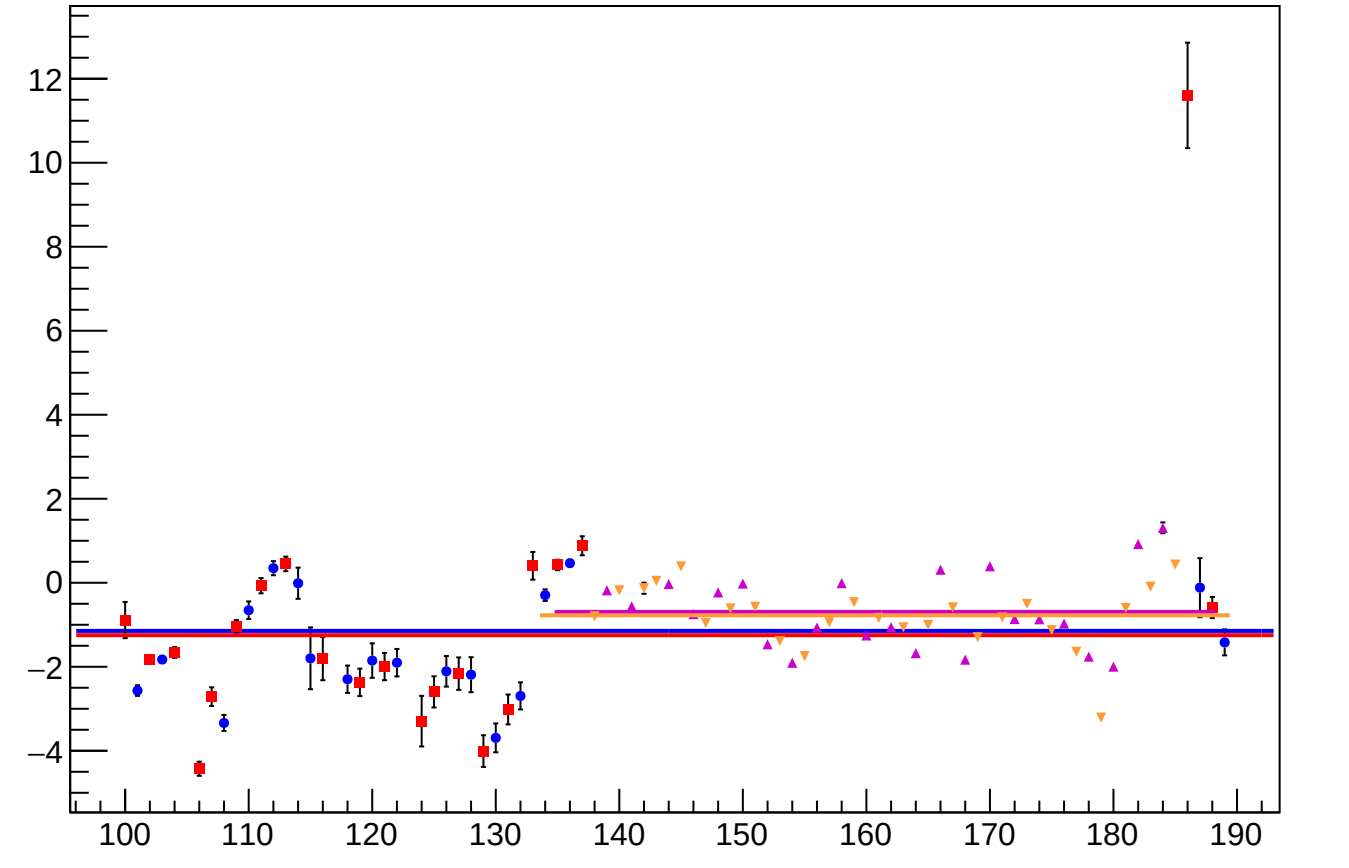
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 183.242+/-0.638 χ^2/NDF: 13898.0/38

In: 184.439+/-0.349 χ^2/NDF:11049.2/40

Out: 184.677+/-0.339 χ^2/NDF:12091.5/45

All: 184.561+/-0.243 χ^2/NDF: 23141.0/86


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
12
10
8
6
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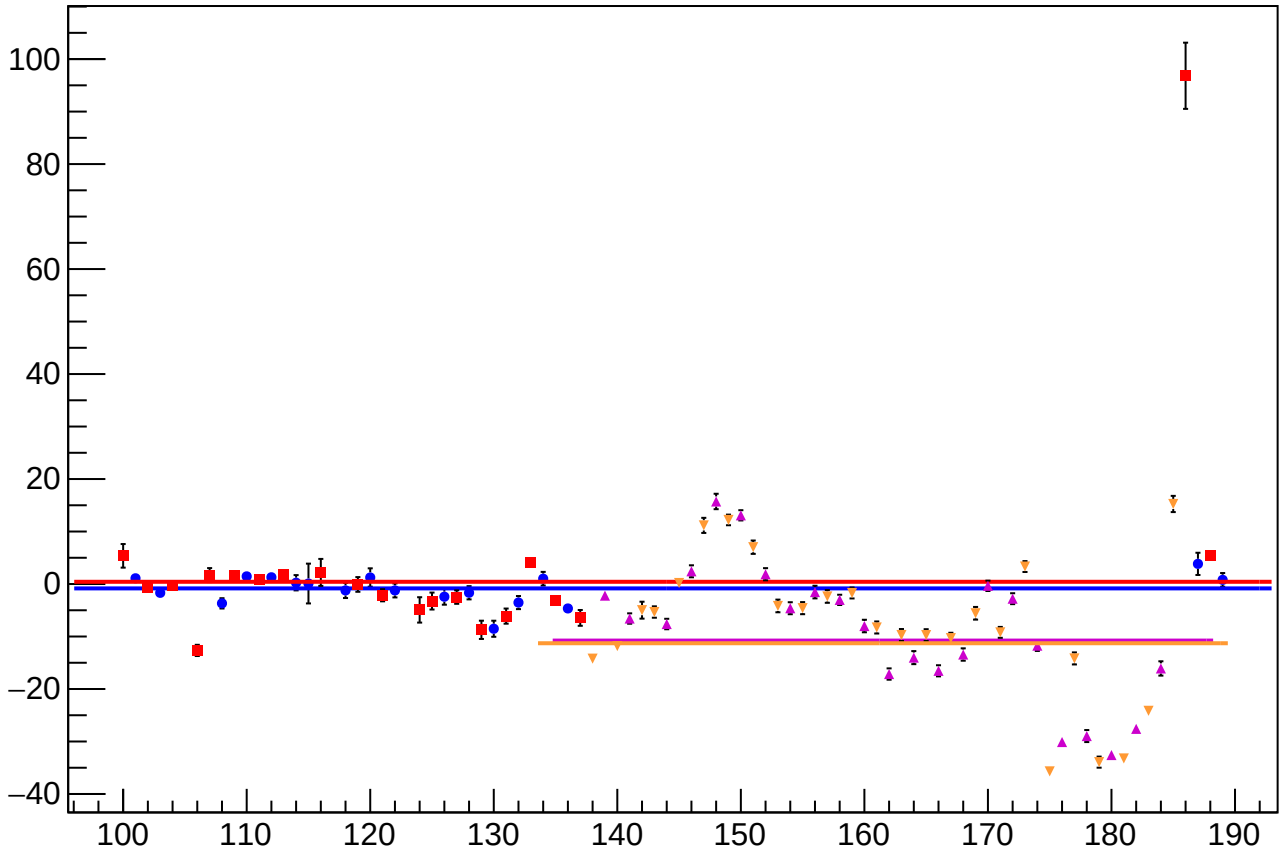
2
0
−2
−4
100
110
120
130
140
150
160
170
180
190
Right In: -1.146+/-0.047 χ²/NDF: 790.3/17
Left Out: -0.774+/-0.016 χ²/NDF:1822.9/24
Right Out: -1.248+/-0.047 χ²/NDF: 1110.7/20
Left In: -0.694+/-0.017 χ²/NDF:2565.3/22
Left: -0.735+/-0.012 χ²/NDF: 4399.9/47
Right: -1.198+/-0.033 χ²/NDF: 1903.4/38
In: -0.744+/-0.016 χ²/NDF:3436.6/40
Out: -0.826+/-0.016 χ²/NDF:3025.7/45
All: -0.786+/-0.011 χ²/NDF: 6476.2/86



Right In: -0.836+/-0.247 χ^2/NDF: 109.9/17

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: 0.425+/-0.210 χ^2/NDF: 594.6/20

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

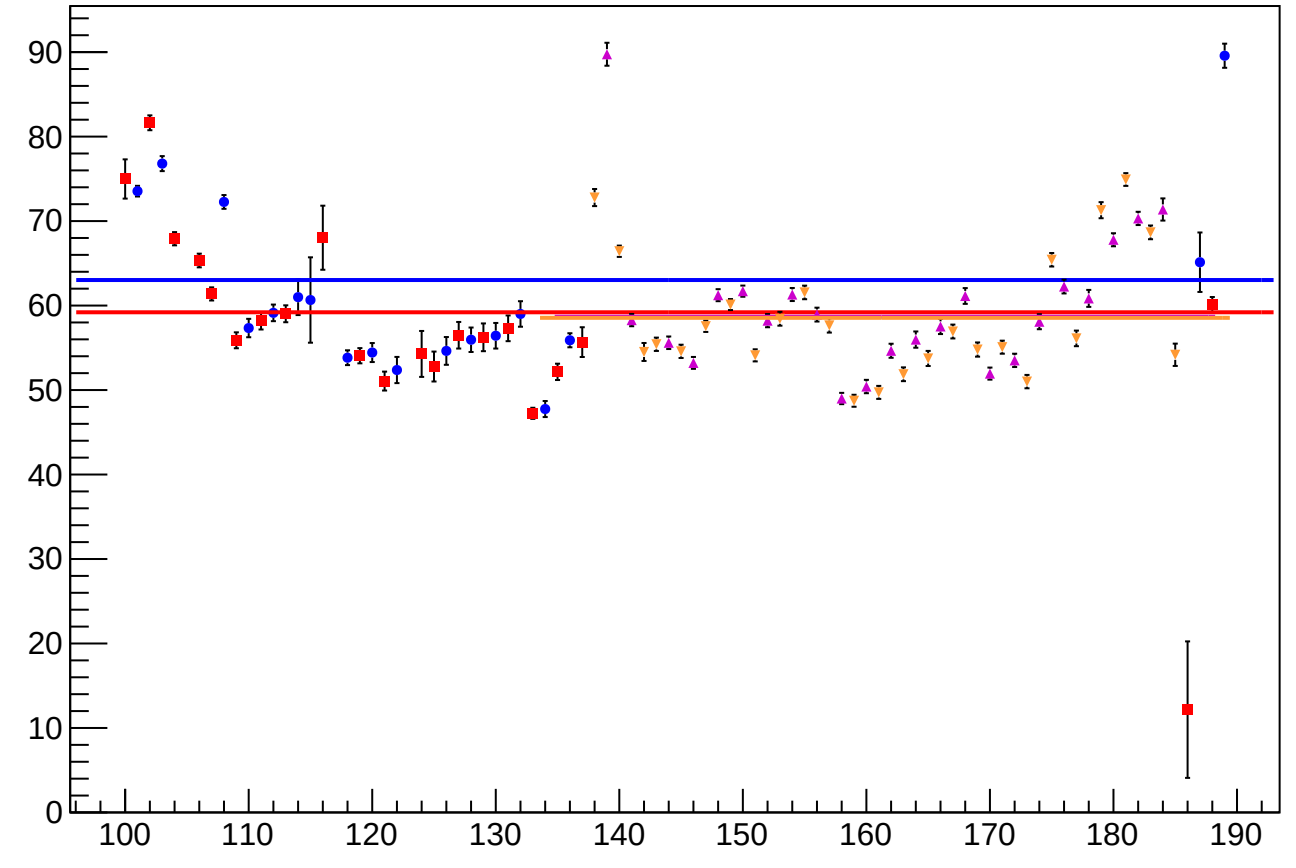
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -0.105+/-0.160 χ^2/NDF: 719.6/38

In: -6.525+/-0.161 χ^2/NDF:4737.2/40

Out: -5.491+/-0.148 χ^2/NDF:6662.6/45

All: -5.963+/-0.109 χ^2/NDF: 11422.1/86



Right In: 63.022+/-0.260 χ^2/NDF: 1659.6/17

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 59.204+/-0.236 χ^2/NDF: 1436.9/20

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

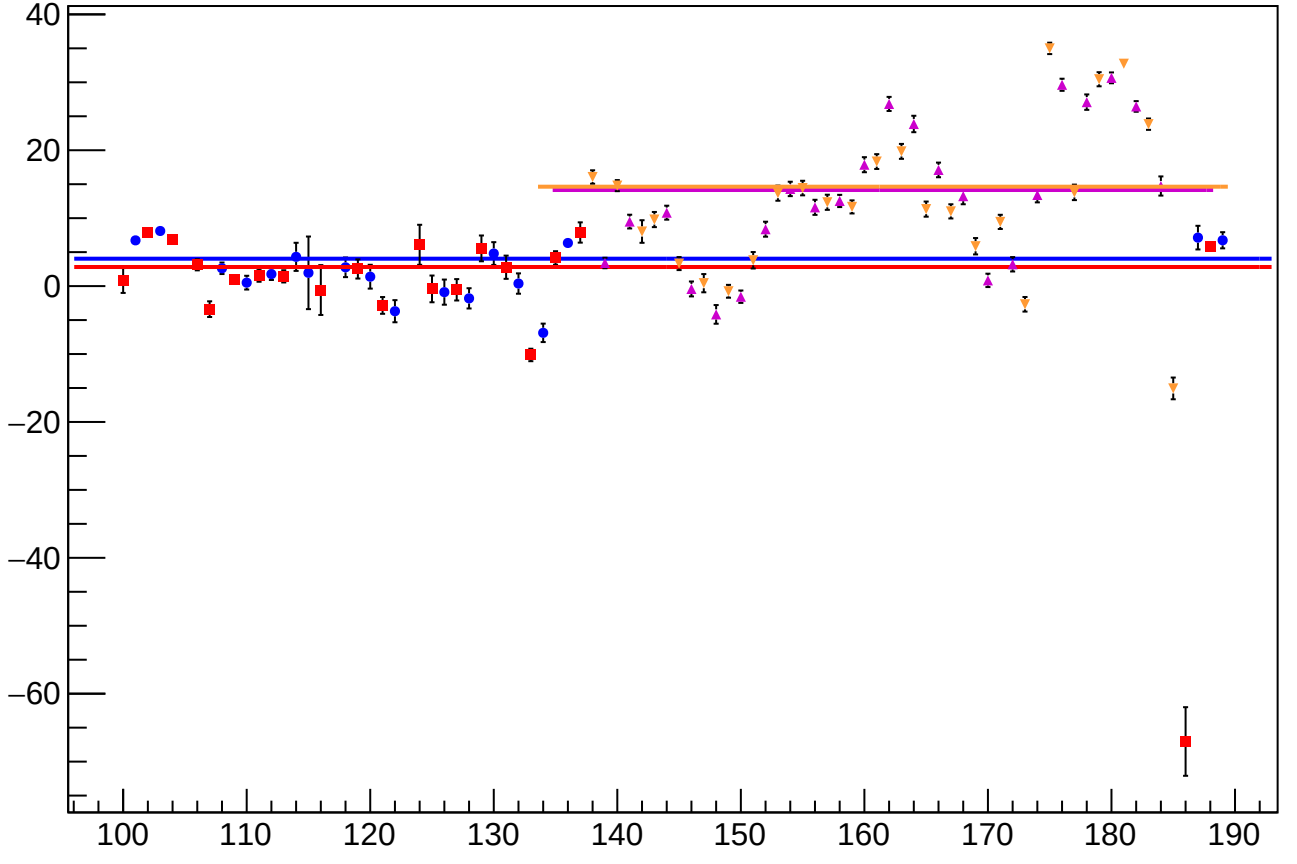
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 60.926+/-0.175 χ^2/NDF: 3214.7/38

In: 59.961+/-0.141 χ^2/NDF:3469.4/40

Out: 58.758+/-0.133 χ^2/NDF:3344.7/45

All: 59.323+/-0.097 χ^2/NDF: 6852.5/86



Right In: 4.035+/-0.256 χ^2/NDF: 217.6/17

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 2.811+/-0.221 χ^2/NDF: 603.6/20

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

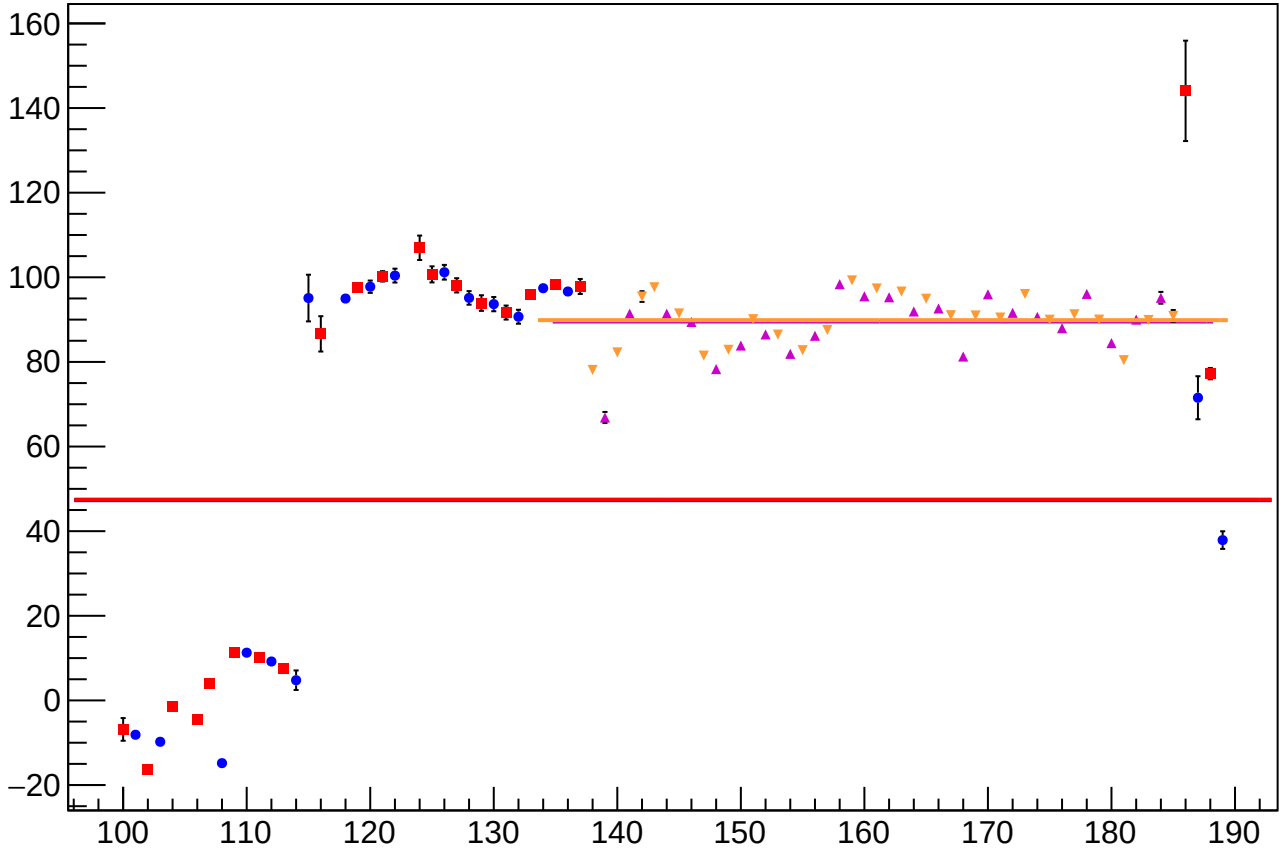
Right: 3.333+/-0.167 χ^2/NDF: 834.3/38

In: 10.051+/-0.163 χ^2/NDF:3686.3/40

Out: 9.116+/-0.151 χ^2/NDF:5092.7/45

All: 9.548+/-0.111 χ^2/NDF: 8796.8/86

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 47.325+/-0.304 χ^2/NDF: 26930.2/17

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 47.450+/-0.278 χ^2/NDF: 29482.1/20

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

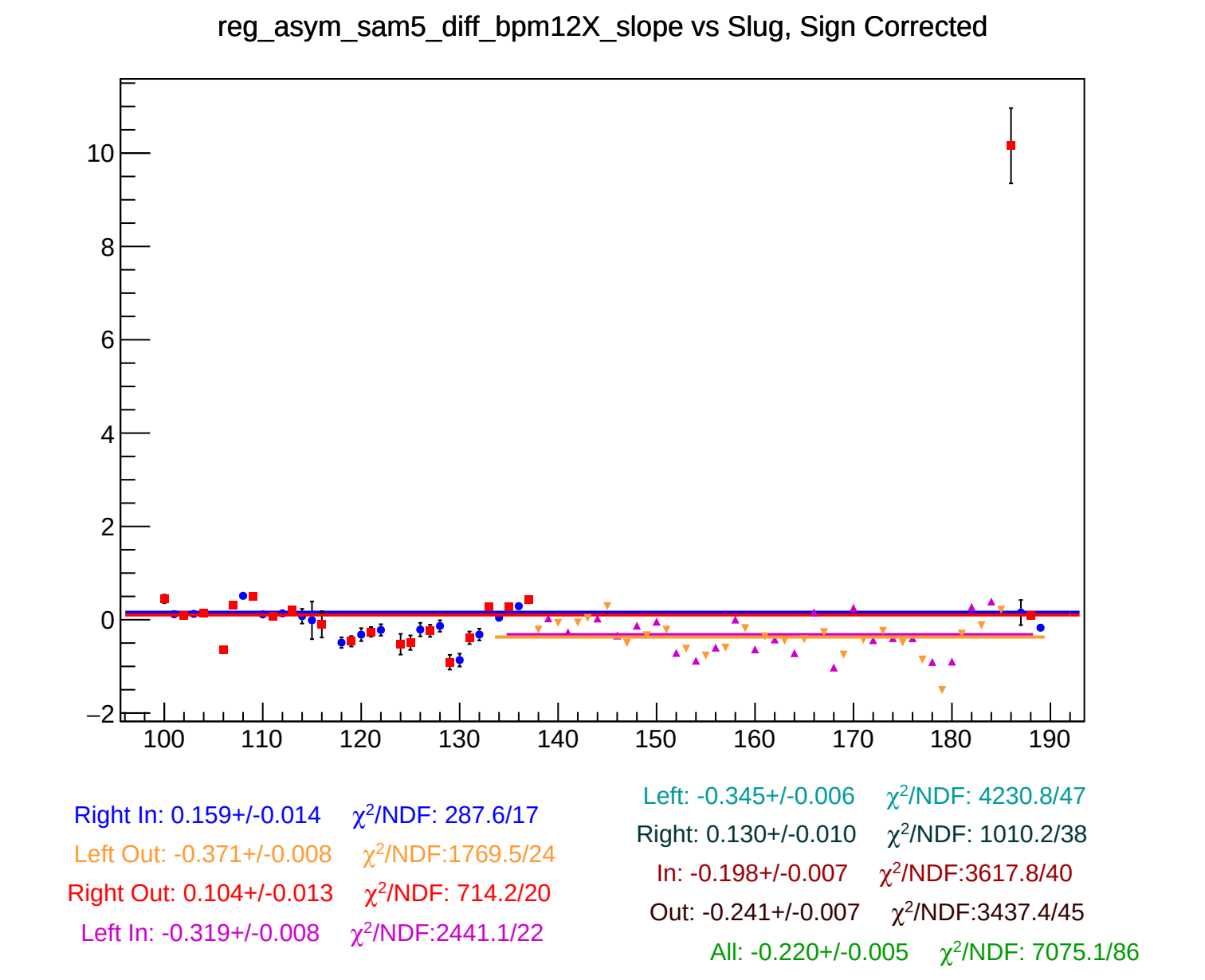
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 47.393+/-0.205 χ^2/NDF: 56412.4/38

In: 77.915+/-0.160 χ^2/NDF:41981.2/40

Out: 77.253+/-0.152 χ^2/NDF:46888.9/45

All: 77.567+/-0.110 χ^2/NDF: 88879.2/86


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
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−2
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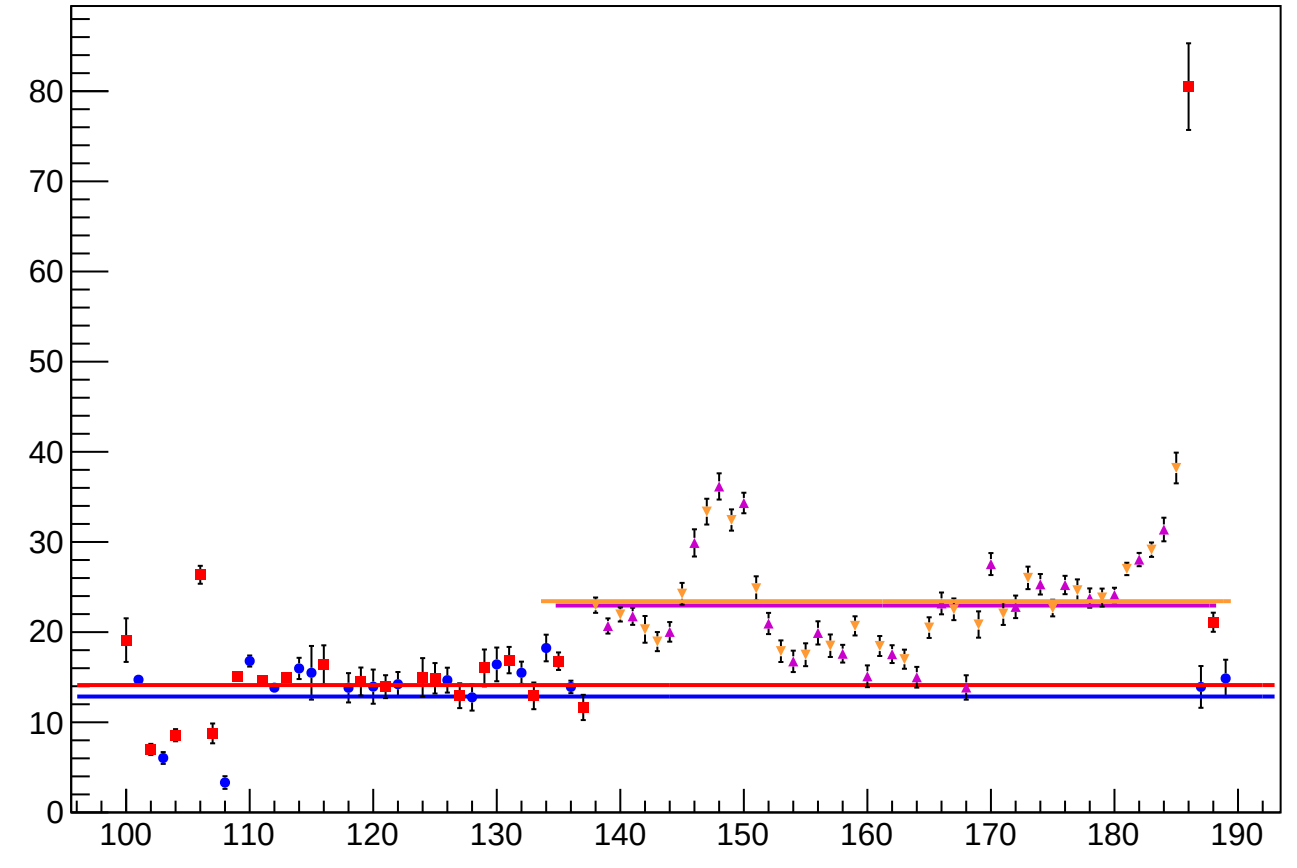
110
120
130
140
150
160
170
180
190
Right In: 0.159+/-0.014 χ²/NDF: 287.6/17
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: 0.104+/-0.013 χ²/NDF: 714.2/20
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: 0.130+/-0.010 χ²/NDF: 1010.2/38
In: -0.198+/-0.007 χ²/NDF:3617.8/40
Out: -0.241+/-0.007 χ²/NDF:3437.4/45
All: -0.220+/-0.005 χ²/NDF: 7075.1/86



Right In: 12.858+/-0.212 χ^2/NDF: 389.2/17

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.129+/-0.200 χ^2/NDF: 641.4/20

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

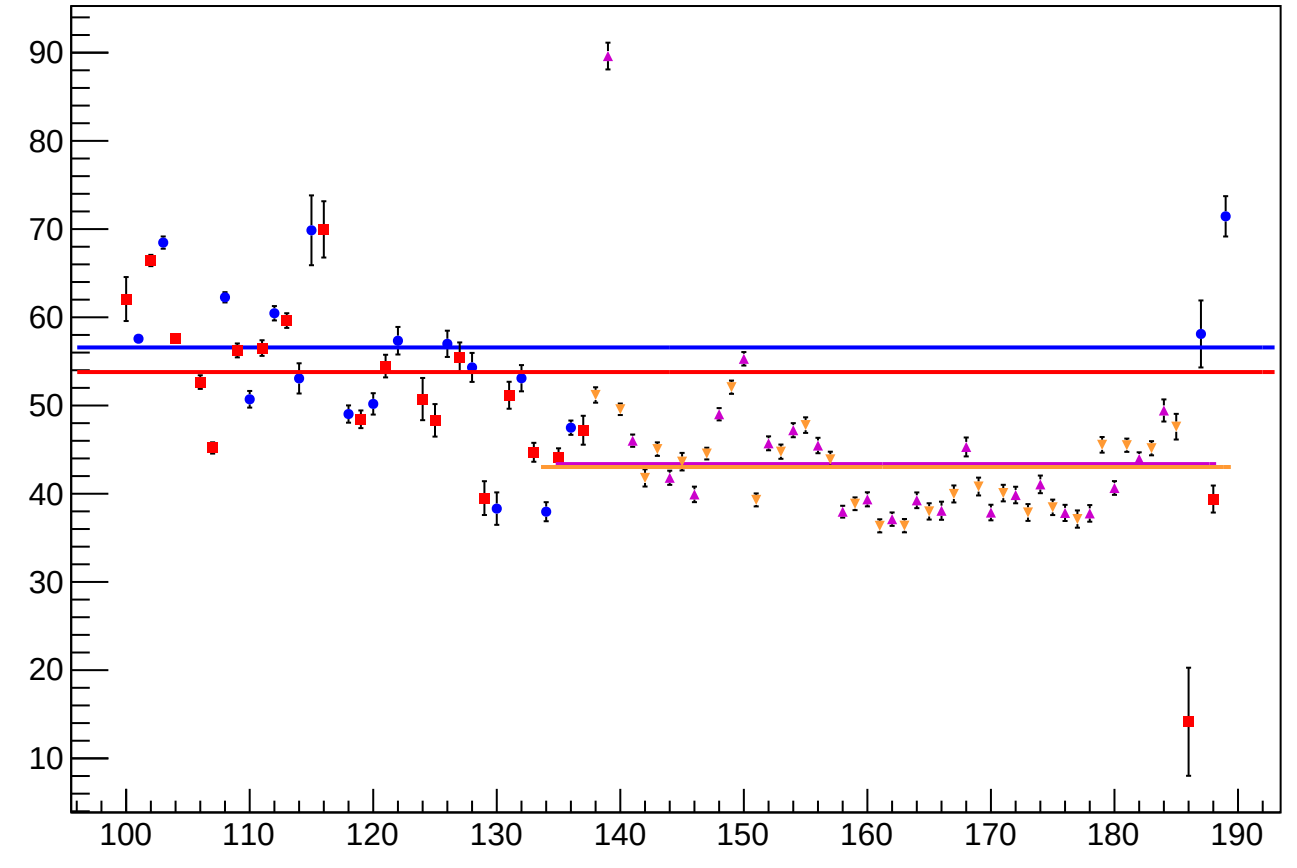
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.530+/-0.146 χ^2/NDF: 1049.6/38

In: 17.596+/-0.154 χ^2/NDF:2018.0/40

Out: 18.432+/-0.147 χ^2/NDF:2067.5/45

All: 18.035+/-0.106 χ^2/NDF: 4100.8/86



Right In: 56.584+/-0.220 χ^2/NDF: 1130.9/17

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 53.794+/-0.222 χ^2/NDF: 1139.5/20

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

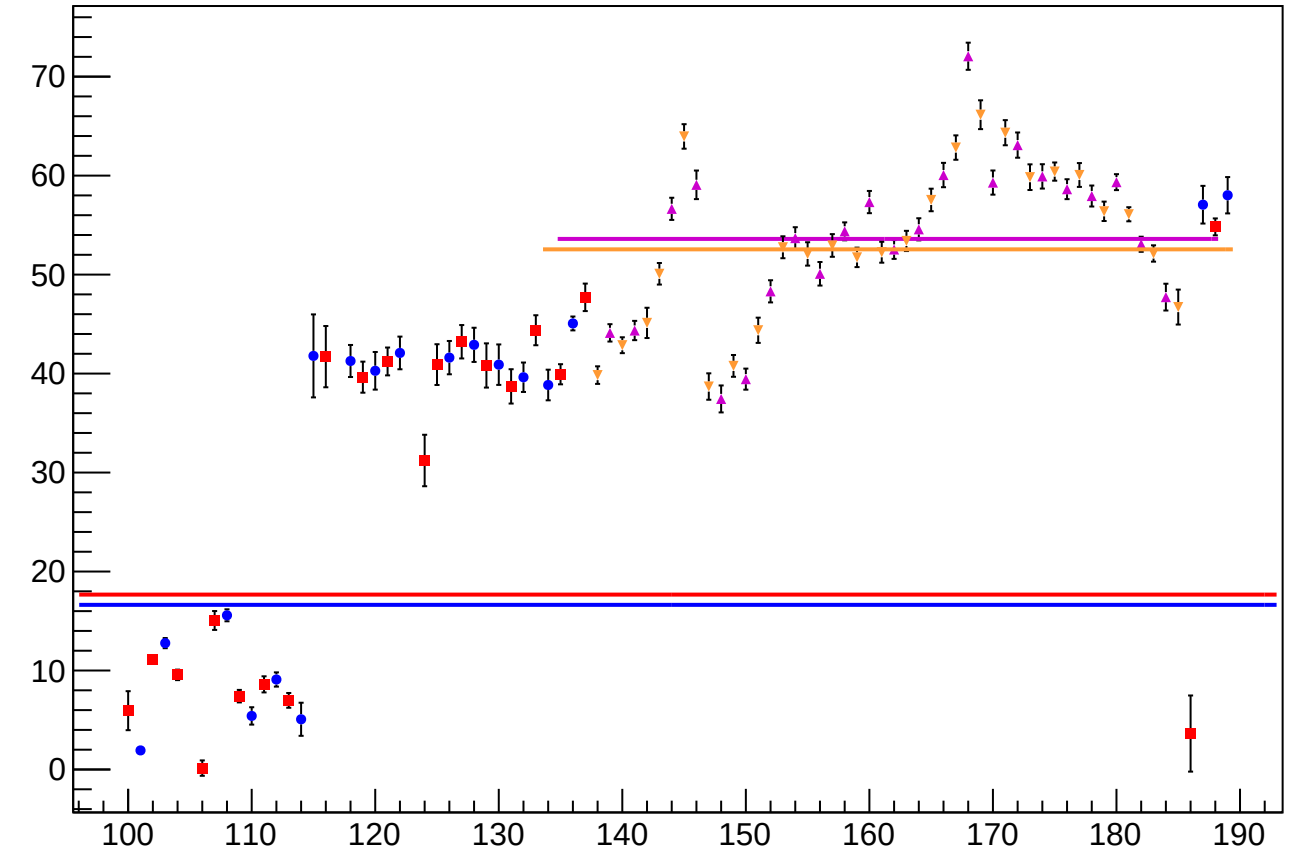
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 55.199+/-0.156 χ^2/NDF: 2349.9/38

In: 48.547+/-0.138 χ^2/NDF:5001.4/40

Out: 46.927+/-0.134 χ^2/NDF:3419.7/45

All: 47.711+/-0.096 χ^2/NDF: 8492.2/86



Right In: 16.634+/-0.211 χ^2/NDF: 6160.4/17

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 17.670+/-0.212 χ^2/NDF: 5896.5/20

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

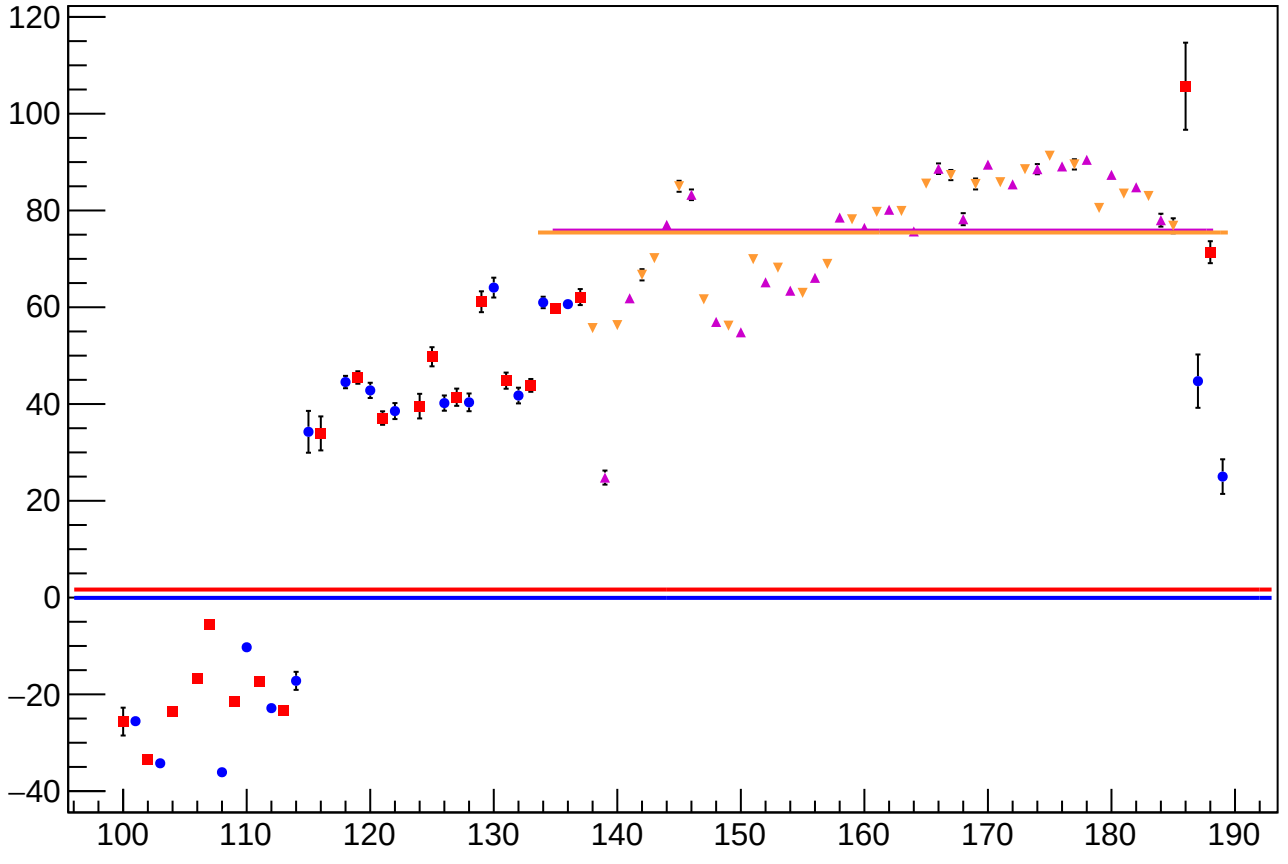
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 17.150+/-0.150 χ^2/NDF: 12068.9/38

In: 34.127+/-0.153 χ^2/NDF:21670.0/40

Out: 34.894+/-0.151 χ^2/NDF:20457.4/45

All: 34.517+/-0.108 χ^2/NDF: 42140.1/86



Right In: -0.061+/-0.260 χ^2/NDF: 21146.8/17

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.661+/-0.262 χ^2/NDF: 17119.4/20

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

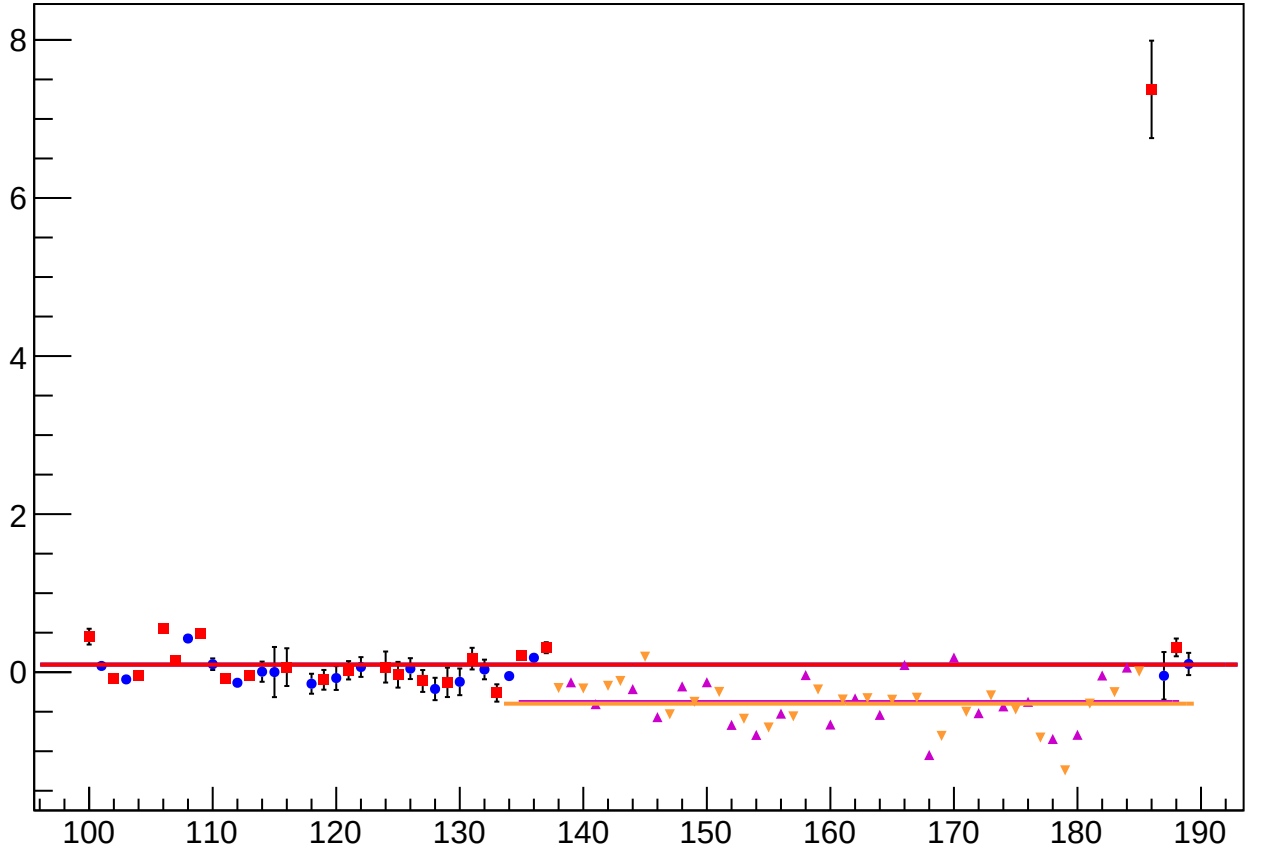
Right: 0.796+/-0.185 χ^2/NDF: 38287.9/38

In: 48.170+/-0.157 χ^2/NDF:79398.0/40

Out: 50.276+/-0.153 χ^2/NDF:72948.8/45

All: 49.253+/-0.110 χ^2/NDF: 152439.0/86

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.097+/-0.011 χ^2/NDF: 299.4/17

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.095+/-0.011 χ^2/NDF: 542.8/20

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

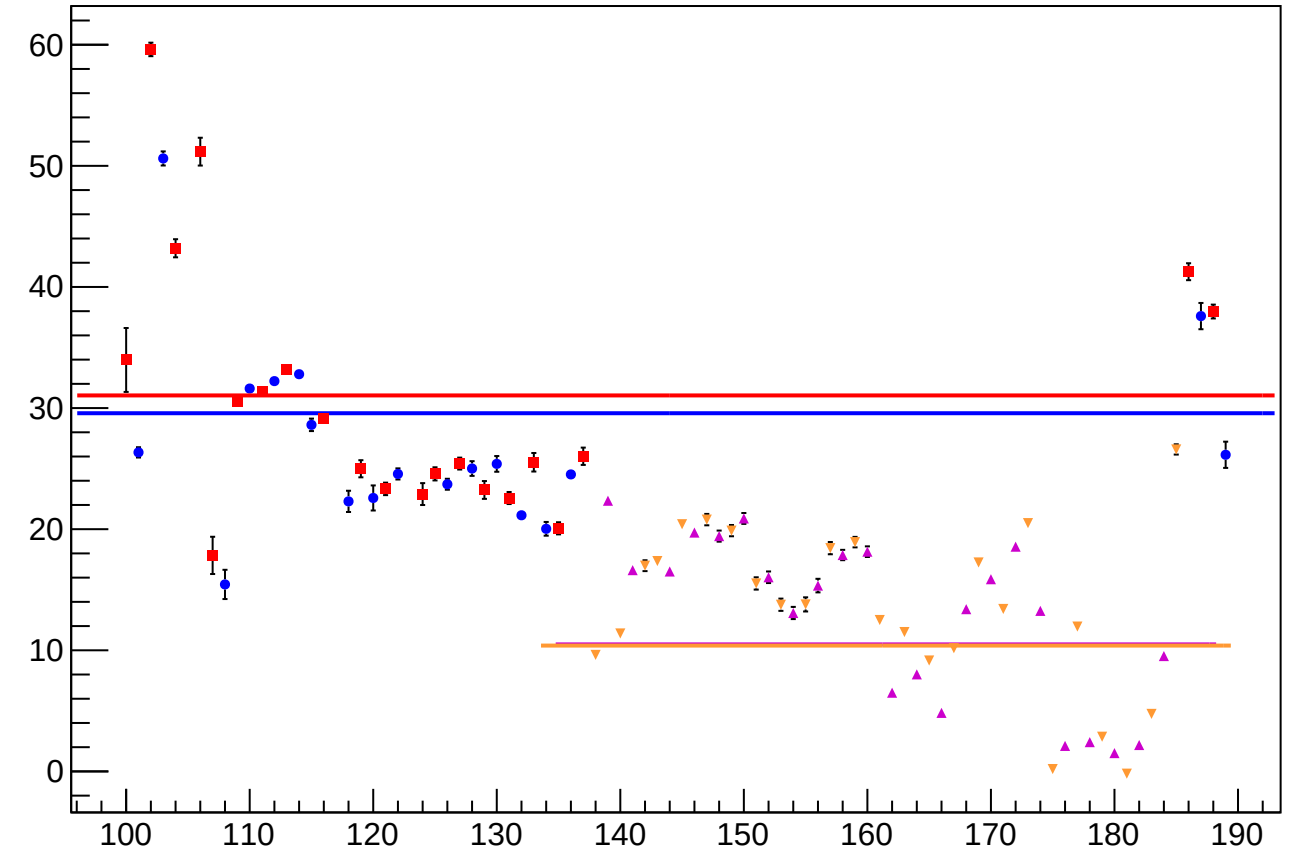
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: 0.096+/-0.008 χ^2/NDF: 842.2/38

In: -0.201+/-0.007 χ^2/NDF:2783.4/40

Out: -0.223+/-0.007 χ^2/NDF:2797.0/45

All: -0.212+/-0.005 χ^2/NDF: 5585.5/86



Right In: 29.575+/-0.091 χ^2/NDF: 3437.1/17

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 31.044+/-0.079 χ^2/NDF: 5450.9/20

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

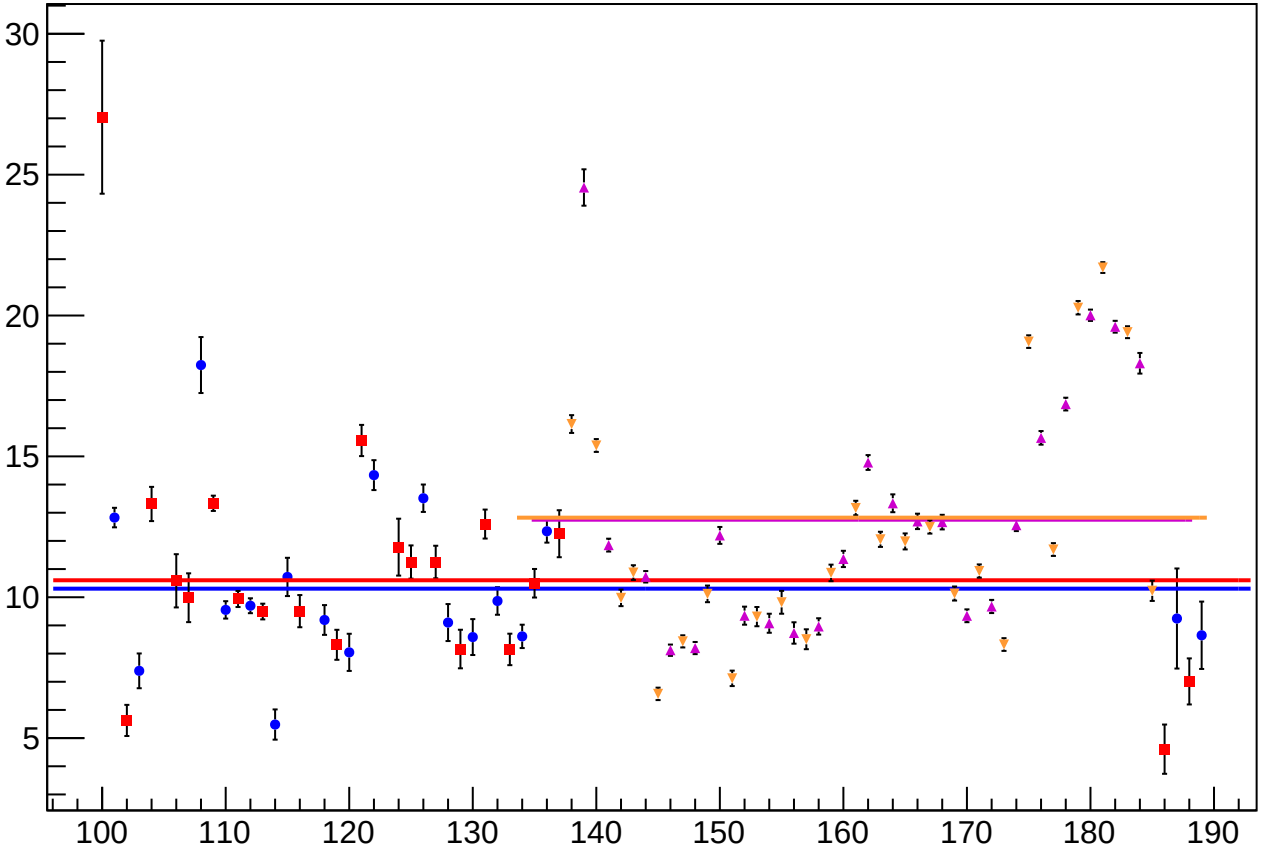
Right: 30.416+/-0.060 χ^2/NDF: 9036.3/38

In: 17.141+/-0.054 χ^2/NDF:43405.3/40

Out: 18.610+/-0.050 χ^2/NDF:60532.3/45

All: 17.934+/-0.037 χ^2/NDF: 104338.7/86

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.304+/-0.113 χ^2/NDF: 404.9/17

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.603+/-0.111 χ^2/NDF: 484.3/20

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

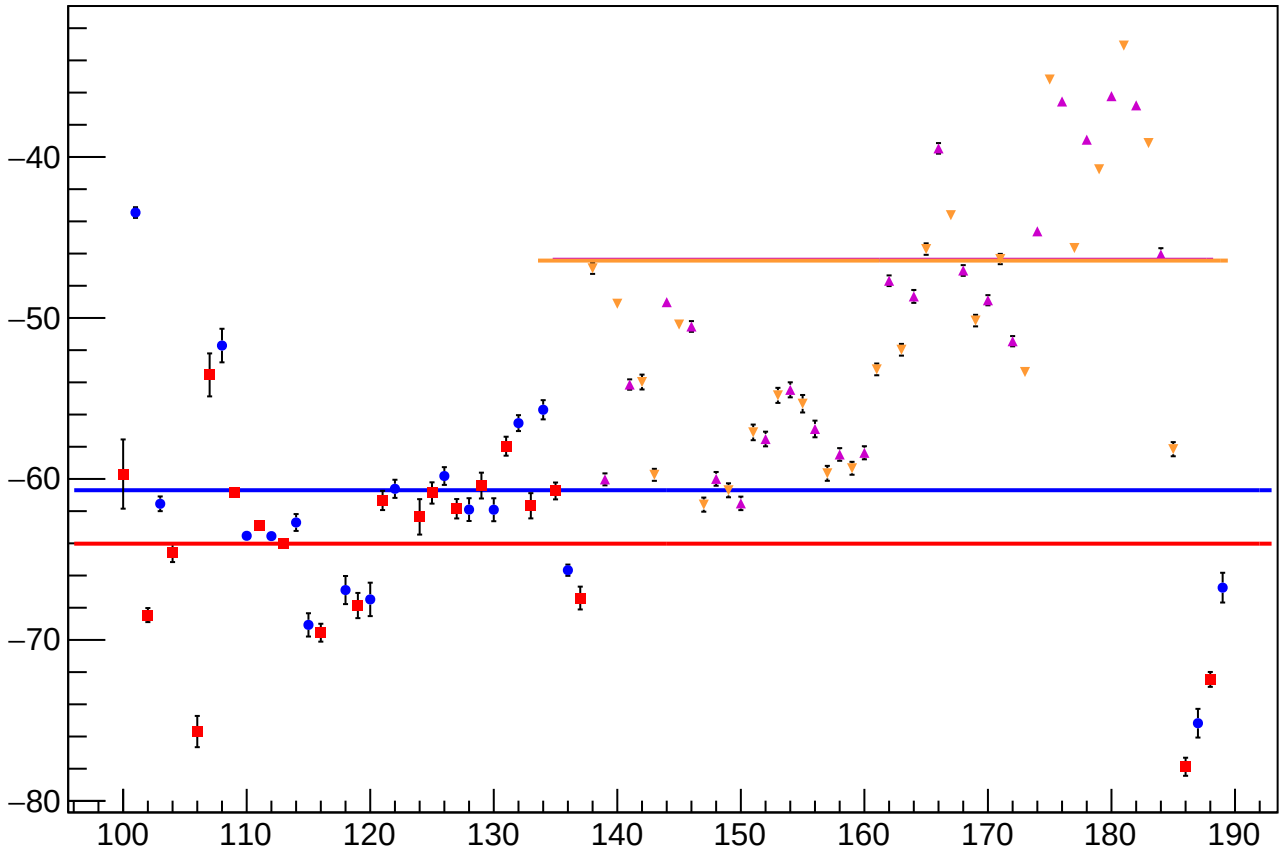
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.457+/-0.079 χ^2/NDF: 892.8/38

In: 12.313+/-0.048 χ^2/NDF:6291.1/40

Out: 12.436+/-0.046 χ^2/NDF:8832.0/45

All: 12.377+/-0.033 χ^2/NDF: 15126.5/86



Right In: -60.700+/-0.111 χ^2/NDF: 3912.1/17

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -64.021+/-0.103 χ^2/NDF: 1866.0/20

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

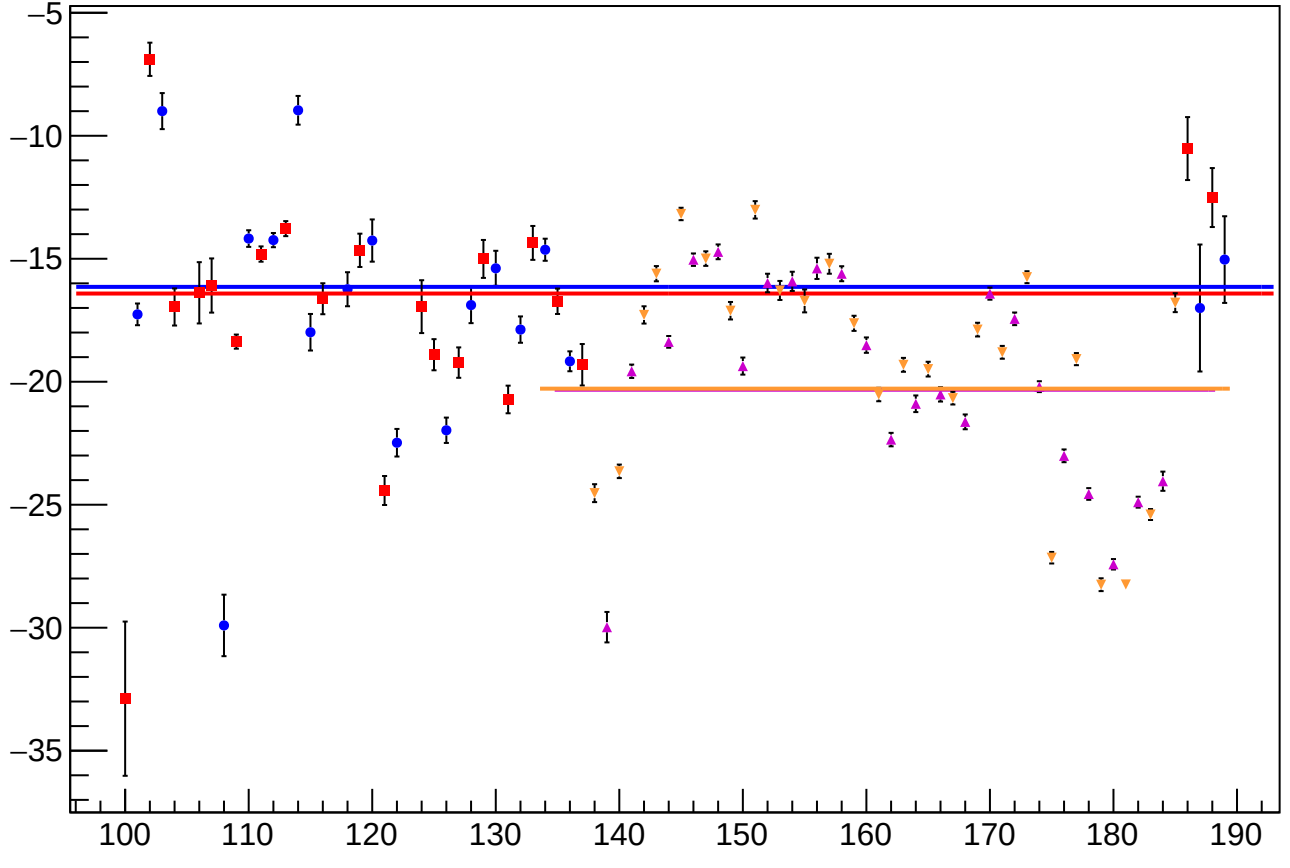
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -62.493+/-0.075 χ^2/NDF: 6258.9/38

In: -50.175+/-0.057 χ^2/NDF:31159.6/40

Out: -51.400+/-0.055 χ^2/NDF:41073.5/45

All: -50.817+/-0.040 χ^2/NDF: 72473.0/86



Right In: -16.143+/-0.127 χ^2/NDF: 797.6/17

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.414+/-0.123 χ^2/NDF: 717.1/20

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

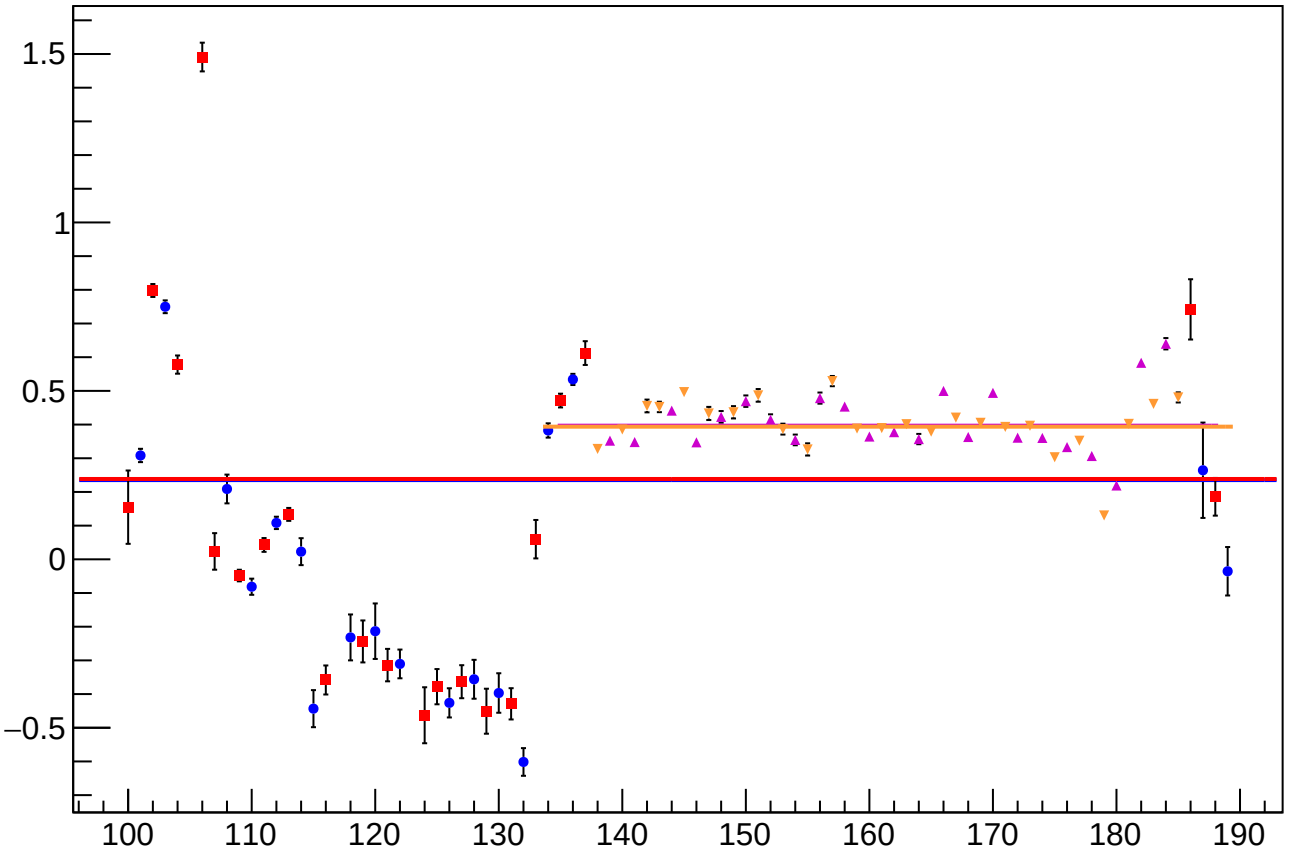
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.282+/-0.088 χ^2/NDF: 1517.0/38

In: -19.577+/-0.054 χ^2/NDF:5964.9/40

Out: -19.600+/-0.052 χ^2/NDF:8545.7/45

All: -19.589+/-0.037 χ^2/NDF: 14510.7/86



Right In: 0.235+/-0.007 χ^2/NDF: 2647.2/17

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.238+/-0.007 χ^2/NDF: 3627.7/20

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

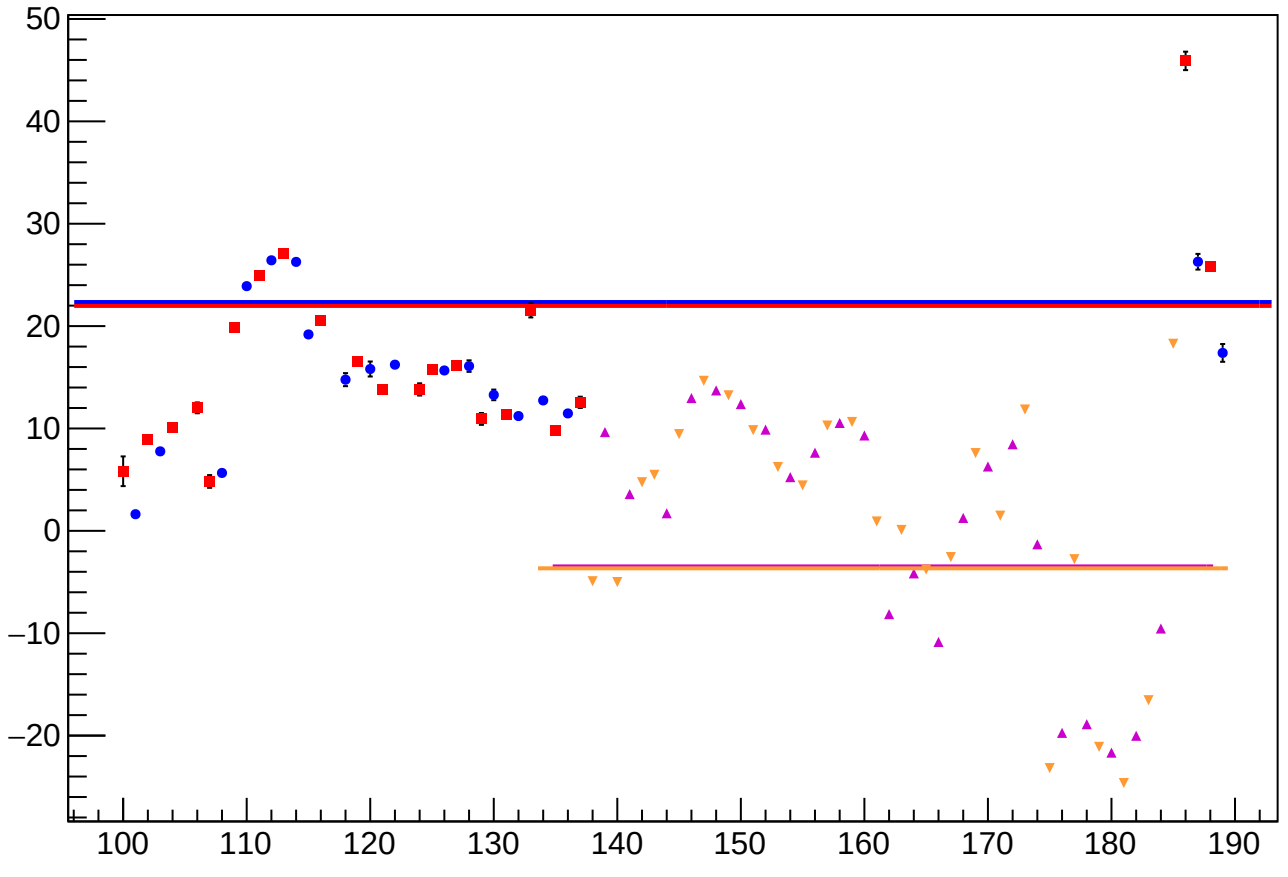
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.237+/-0.005 χ^2/NDF: 6275.0/38

In: 0.377+/-0.002 χ^2/NDF:4406.8/40

Out: 0.376+/-0.002 χ^2/NDF:5007.1/45

All: 0.376+/-0.002 χ^2/NDF: 9414.0/86



Right In: 22.351+/-0.056 χ^2/NDF: 12395.9/17

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.972+/-0.046 χ^2/NDF: 11493.4/20

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

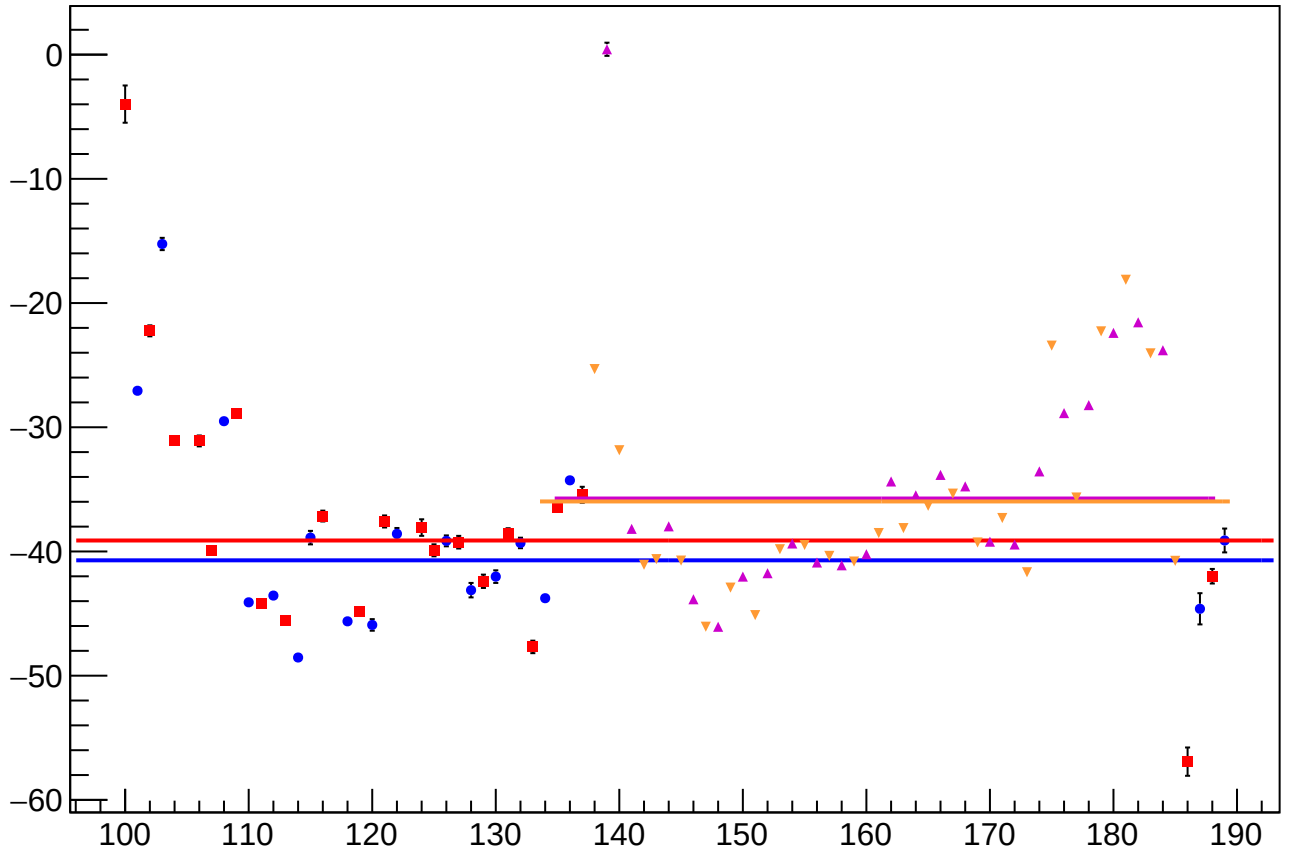
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 22.123+/-0.036 χ^2/NDF: 23916.5/38

In: 9.694+/-0.040 χ^2/NDF:160678.6/40

Out: 11.334+/-0.035 χ^2/NDF:197450.4/45

All: 10.624+/-0.026 χ^2/NDF: 359072.2/86



Right In: -40.713+/-0.076 χ^2/NDF: 7792.8/17

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.116+/-0.070 χ^2/NDF: 10371.8/20

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

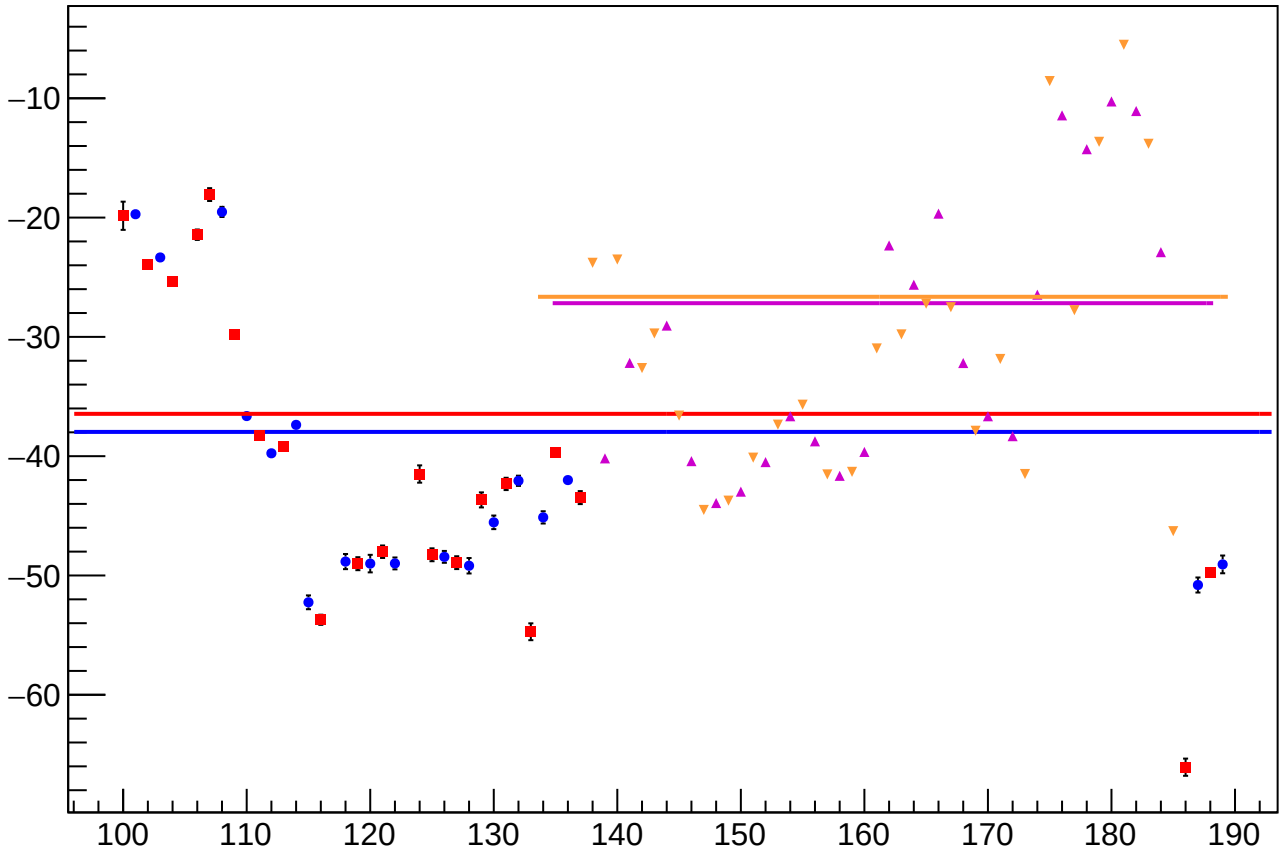
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.853+/-0.052 χ^2/NDF: 18401.9/38

In: -37.023+/-0.039 χ^2/NDF:38117.3/40

Out: -36.811+/-0.036 χ^2/NDF:45444.0/45

All: -36.910+/-0.026 χ^2/NDF: 83577.3/86



Right In: -37.966+/-0.073 χ^2/NDF: 11506.2/17

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.451+/-0.063 χ^2/NDF: 16709.9/20

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

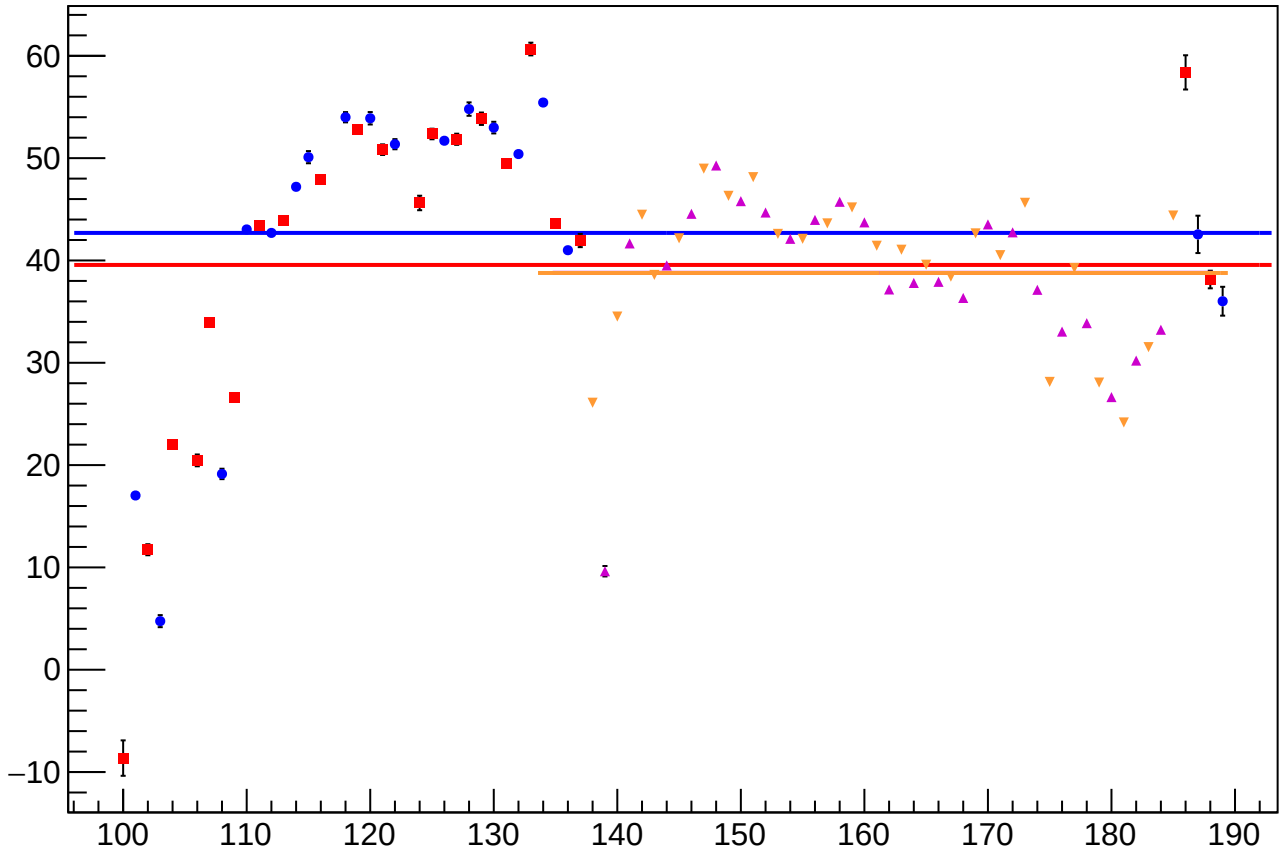
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -37.097+/-0.048 χ^2/NDF: 28463.6/38

In: -31.290+/-0.045 χ^2/NDF:66051.4/40

Out: -30.854+/-0.041 χ^2/NDF:80641.0/45

All: -31.053+/-0.030 χ^2/NDF: 146743.6/86



Right In: 42.693+/-0.085 χ^2/NDF: 14787.5/17

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.563+/-0.078 χ^2/NDF: 18107.5/20

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

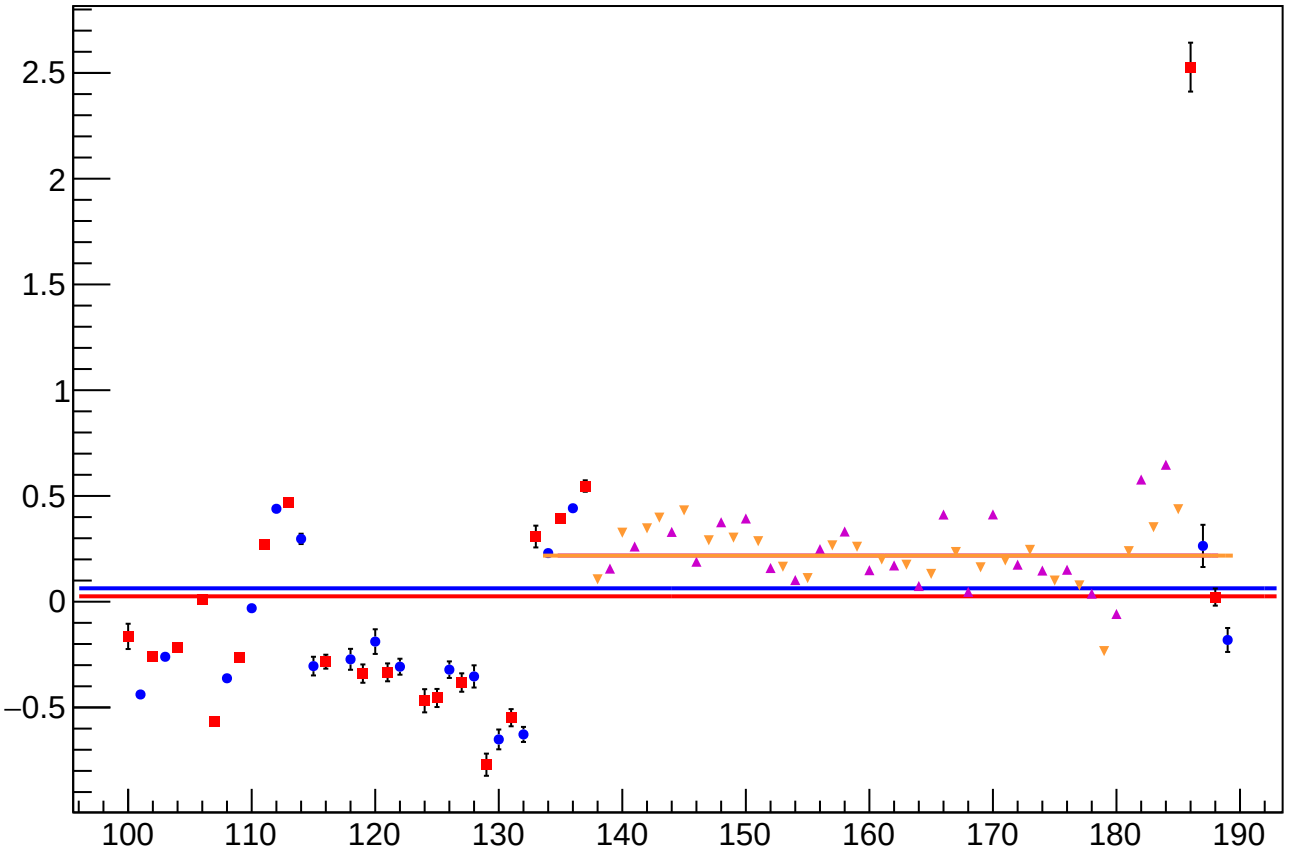
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 40.993+/-0.057 χ^2/NDF: 33635.3/38

In: 39.803+/-0.043 χ^2/NDF:32596.1/40

Out: 38.992+/-0.041 χ^2/NDF:39252.1/45

All: 39.373+/-0.030 χ^2/NDF: 72035.2/86



Right In: 0.063+/-0.005 χ^2/NDF: 5520.2/17

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.025+/-0.004 χ^2/NDF: 6874.0/20

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

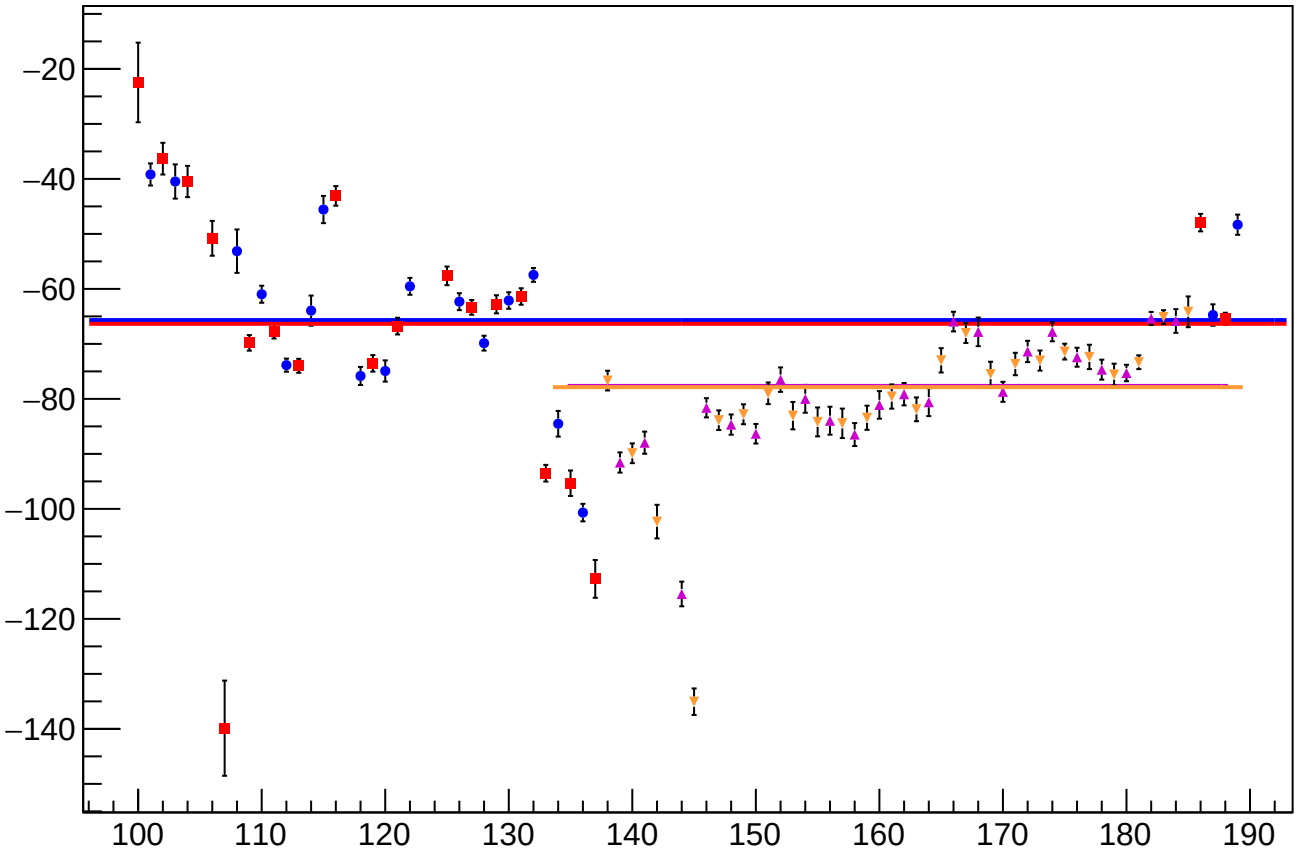
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: 0.042+/-0.003 χ^2/NDF: 12428.2/38

In: 0.191+/-0.002 χ^2/NDF:11684.8/40

Out: 0.180+/-0.002 χ^2/NDF:12518.3/45

All: 0.185+/-0.001 χ^2/NDF: 24217.8/86



Right In: -65.673+/-0.406 χ^2/NDF: 1146.9/17

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -66.346+/-0.380 χ^2/NDF: 1400.5/19

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

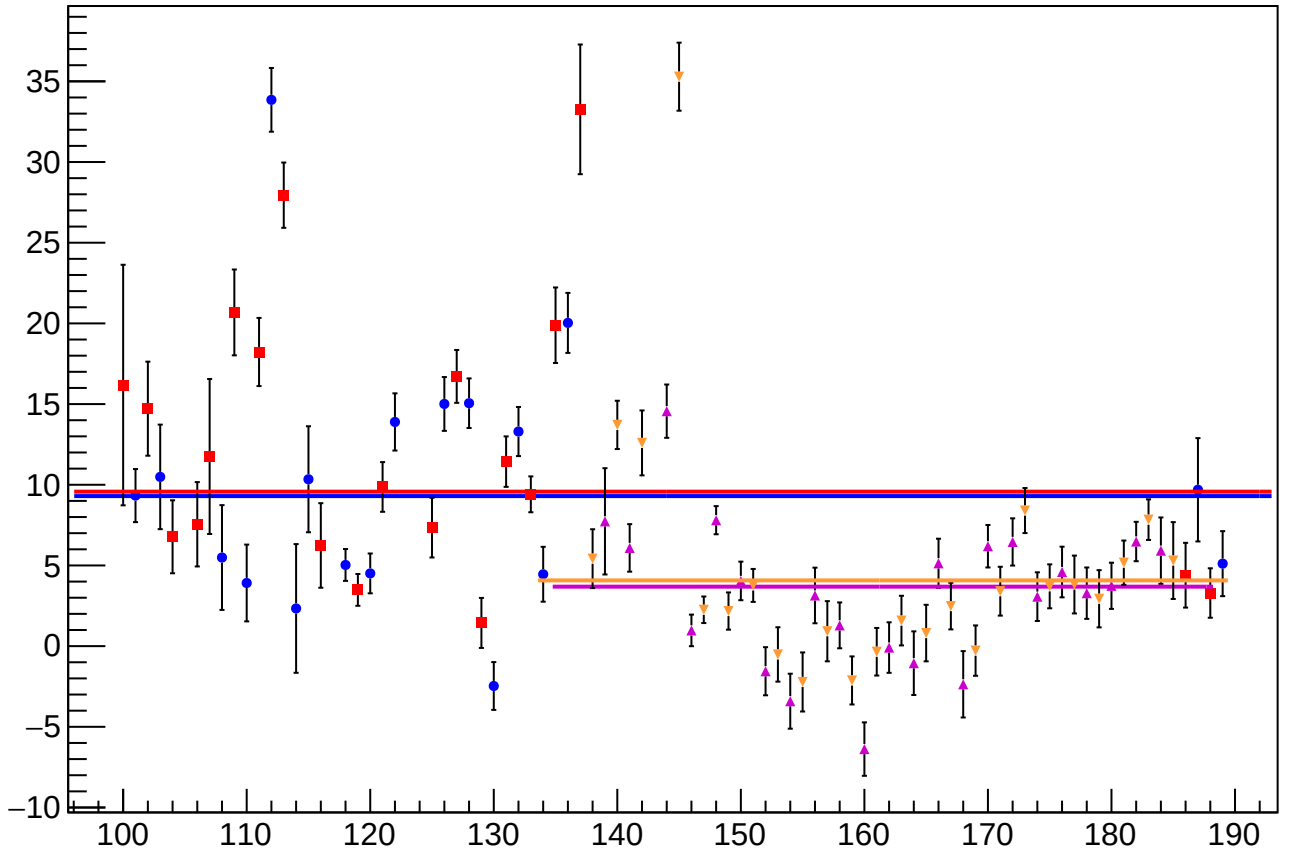
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -66.031+/-0.278 χ^2/NDF: 2548.8/37

In: -71.800+/-0.284 χ^2/NDF:2285.2/40

Out: -71.900+/-0.274 χ^2/NDF:2775.5/43

All: -71.852+/-0.197 χ^2/NDF: 5060.7/84



Right In: 9.298+/-0.415 χ^2/NDF: 346.5/17

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.573+/-0.410 χ^2/NDF: 289.8/19

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

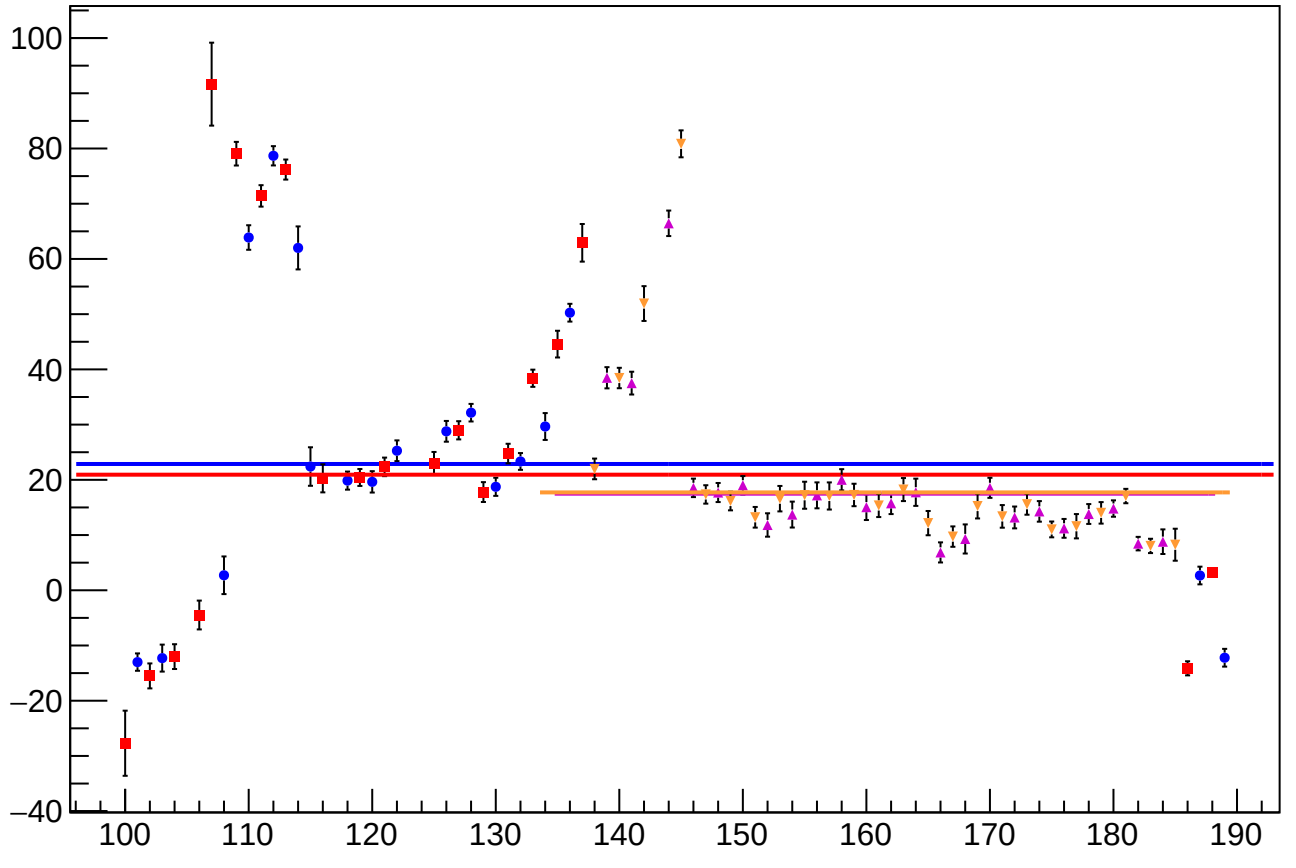
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.437+/-0.292 χ^2/NDF: 636.5/37

In: 5.625+/-0.244 χ^2/NDF:648.6/40

Out: 5.963+/-0.240 χ^2/NDF:778.4/43

All: 5.796+/-0.171 χ^2/NDF: 1428.0/84



Right In: 22.869+/-0.444 χ^2/NDF: 3216.1/17

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 20.932+/-0.405 χ^2/NDF: 4622.1/19

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

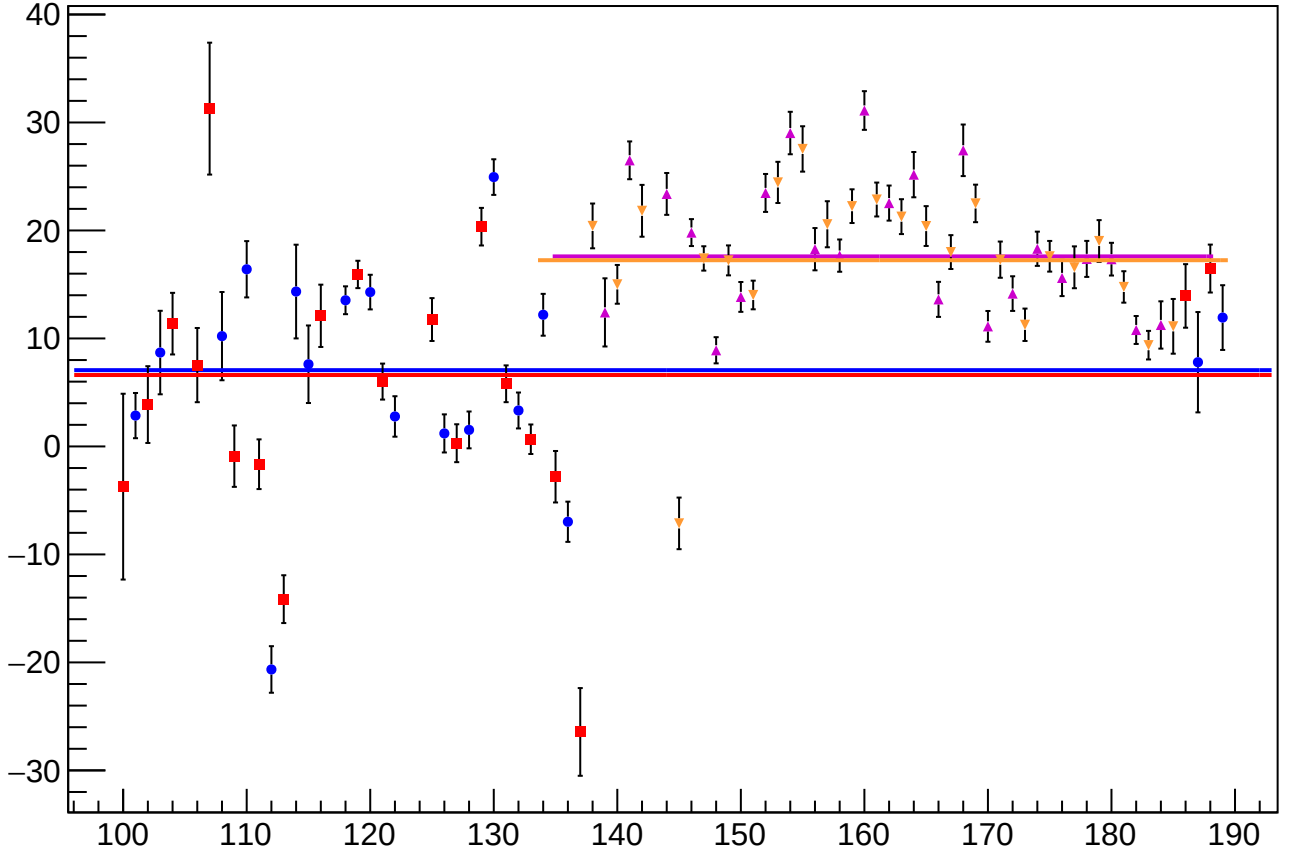
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 21.811+/-0.299 χ^2/NDF: 7848.6/37

In: 19.852+/-0.294 χ^2/NDF:4119.2/40

Out: 19.272+/-0.281 χ^2/NDF:5712.9/43

All: 19.549+/-0.203 χ^2/NDF: 9834.1/84



Right In: 7.063+/-0.486 χ^2/NDF: 447.1/17

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.613+/-0.483 χ^2/NDF: 395.6/19

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

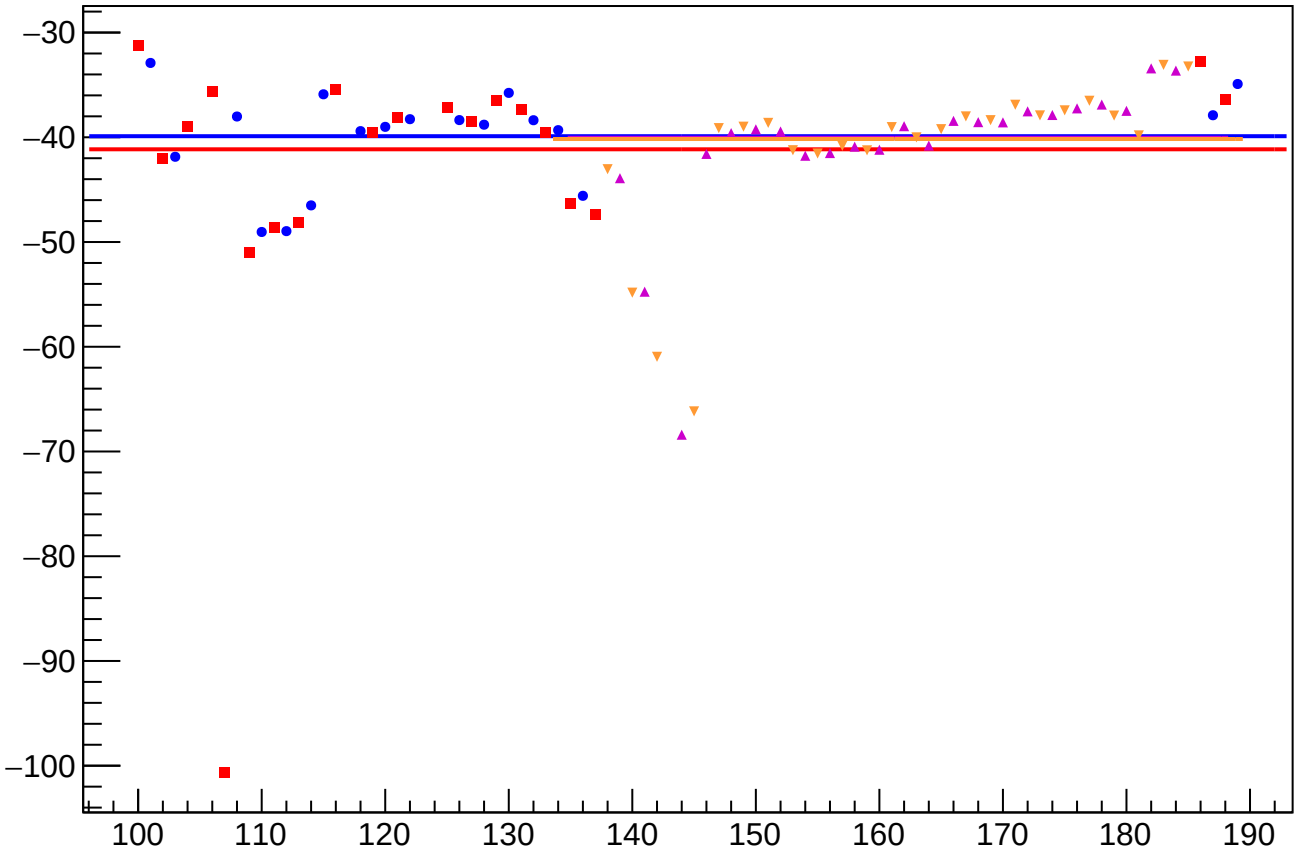
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 6.836+/-0.343 χ^2/NDF: 843.1/37

In: 14.108+/-0.280 χ^2/NDF:1070.6/40

Out: 13.746+/-0.277 χ^2/NDF:981.9/43

All: 13.925+/-0.197 χ^2/NDF: 2053.3/84



Right In: -39.896+/-0.030 χ^2/NDF: 22737.4/17

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.147+/-0.030 χ^2/NDF: 63307.9/19

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

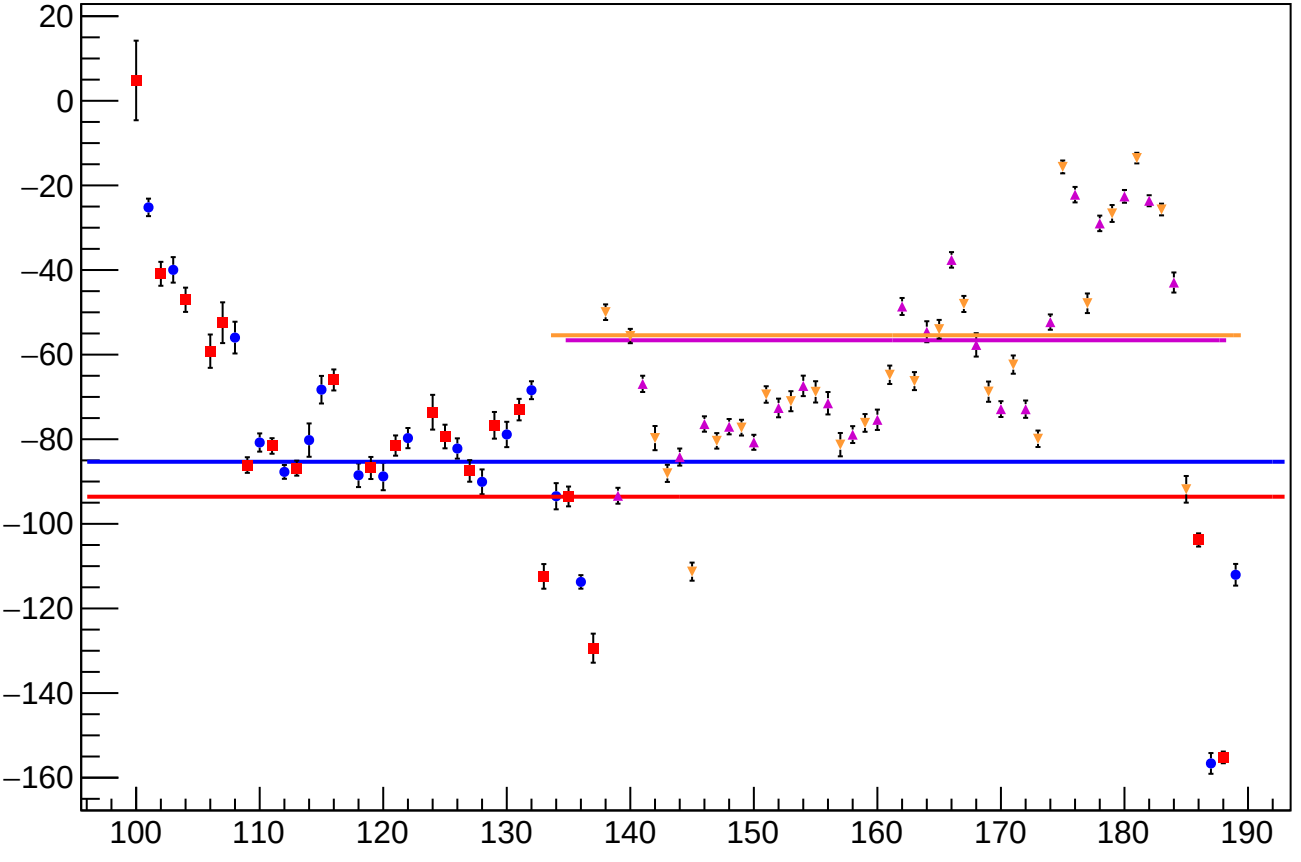
Right: -40.520+/-0.021 χ^2/NDF: 86906.9/37

In: -40.018+/-0.014 χ^2/NDF:159196.5/40

Out: -40.368+/-0.014 χ^2/NDF:227484.1/43

All: -40.193+/-0.010 χ^2/NDF: 387006.6/84

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -85.325+/-0.578 χ^2/NDF: 2524.1/17

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -93.586+/-0.522 χ^2/NDF: 3428.0/20

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

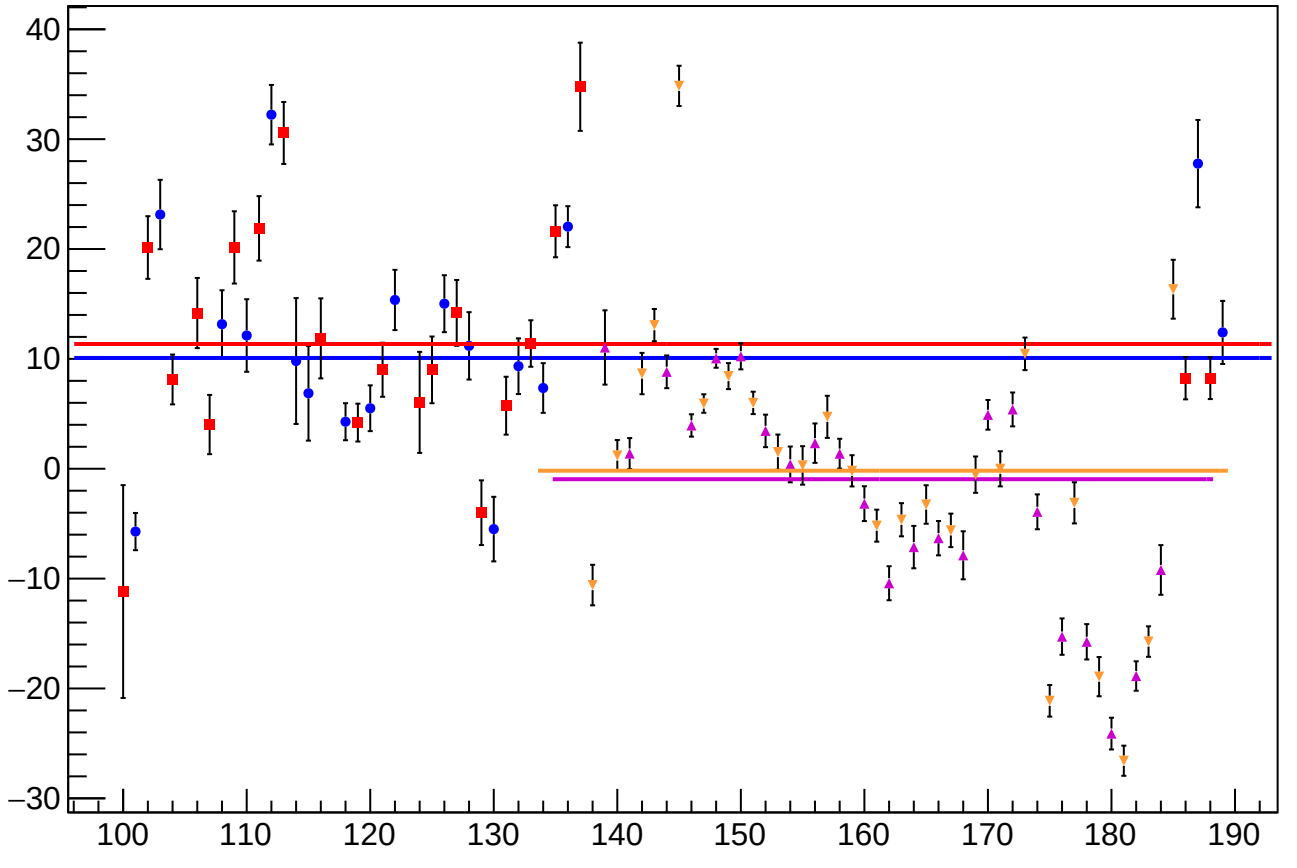
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -89.875+/-0.387 χ^2/NDF: 6064.7/38

In: -66.032+/-0.331 χ^2/NDF:7534.4/40

Out: -69.253+/-0.314 χ^2/NDF:11365.1/45

All: -67.727+/-0.228 χ^2/NDF: 18949.3/86



Right In: 10.084+/-0.600 χ^2/NDF: 288.3/17

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.355+/-0.576 χ^2/NDF: 202.3/20

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

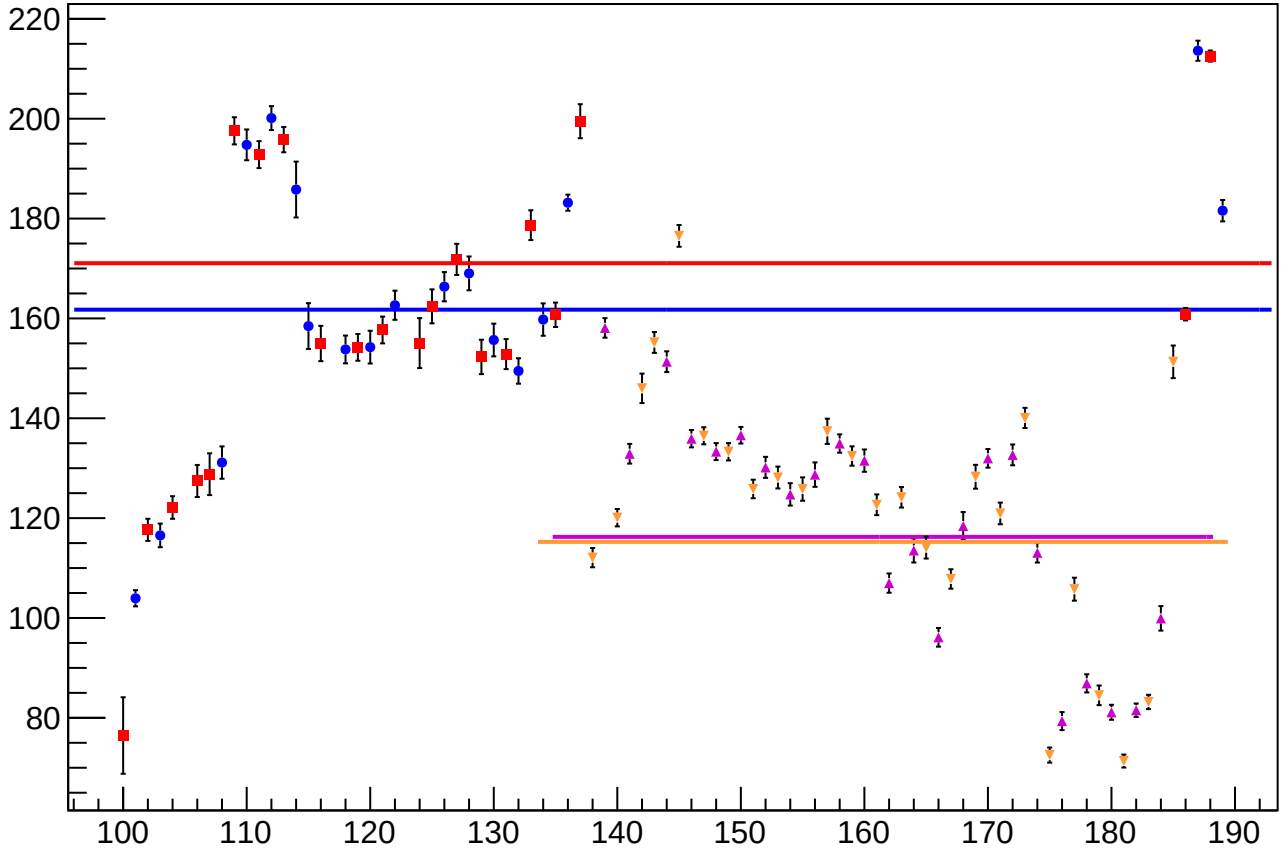
Right: 10.745+/-0.416 χ^2/NDF: 492.9/38

In: 1.302+/-0.271 χ^2/NDF:1626.8/40

Out: 2.205+/-0.262 χ^2/NDF:2118.7/45

All: 1.769+/-0.188 χ^2/NDF: 3751.3/86

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 161.751+/-0.603 χ^2/NDF: 3090.6/17

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 171.061+/-0.527 χ^2/NDF: 3469.8/20

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

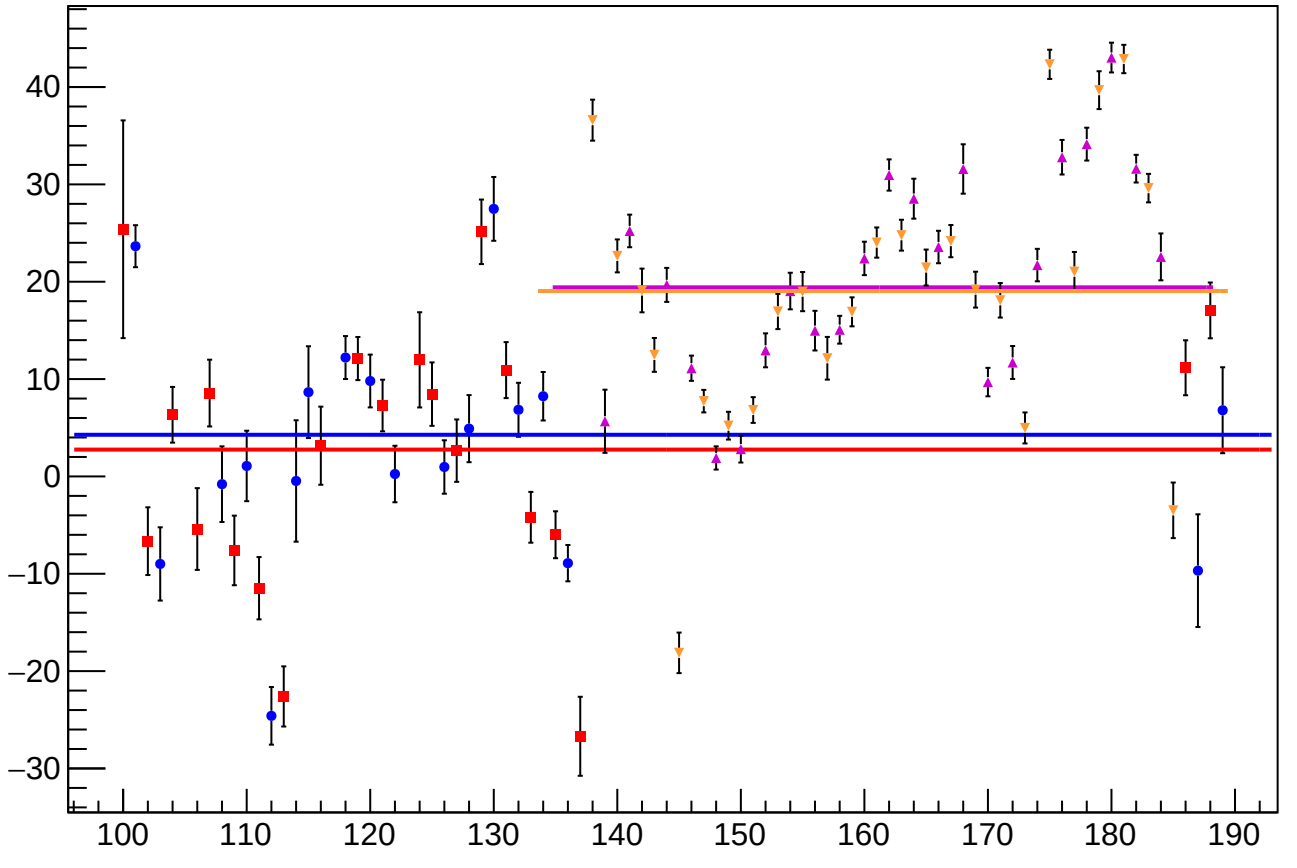
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 167.031+/-0.397 χ^2/NDF: 6695.5/38

In: 130.105+/-0.333 χ^2/NDF:10686.0/40

Out: 135.016+/-0.314 χ^2/NDF:15549.9/45

All: 132.706+/-0.228 χ^2/NDF: 26351.1/86



Right In: 4.278+/-0.700 χ^2/NDF: 322.3/17

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.757+/-0.688 χ^2/NDF: 302.8/20

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

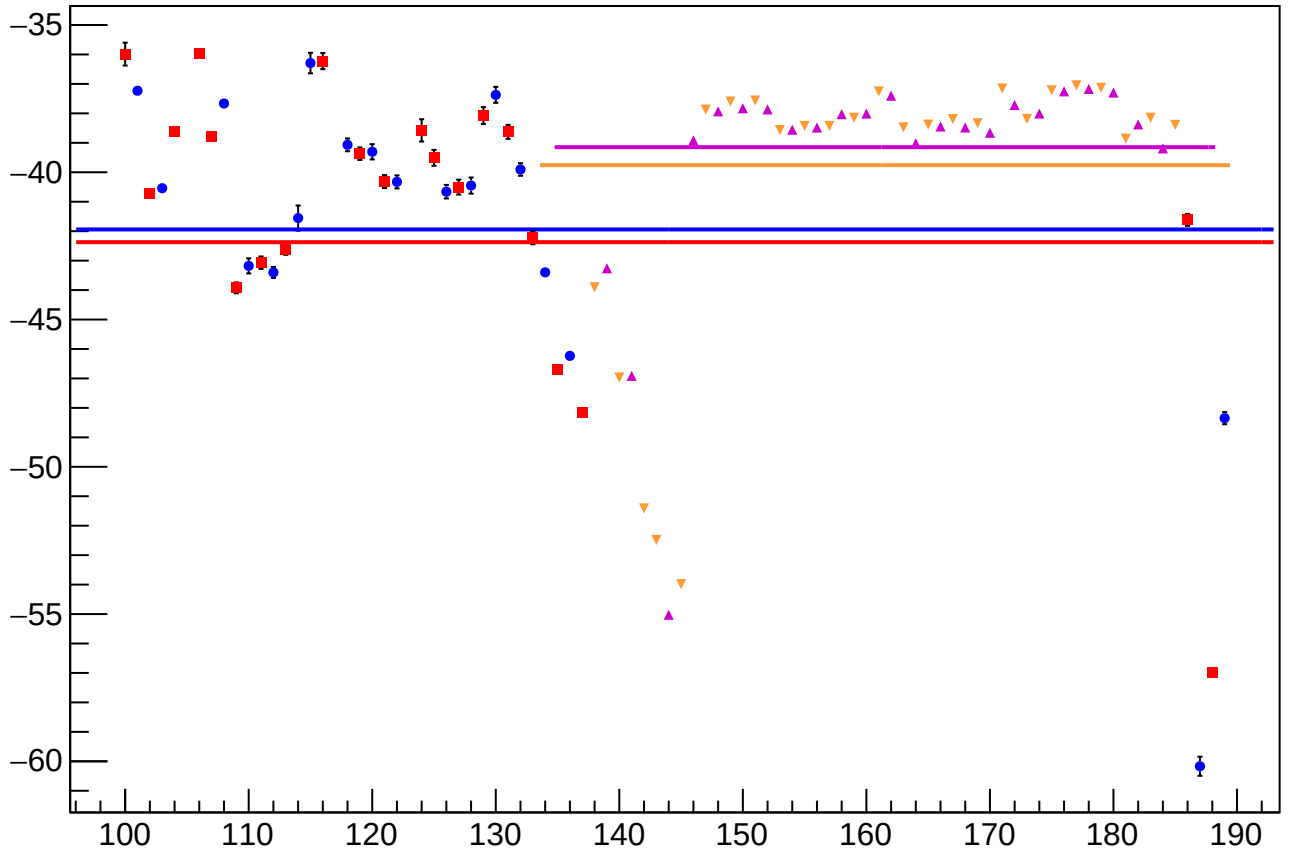
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 3.504+/-0.490 χ^2/NDF: 627.5/38

In: 16.452+/-0.310 χ^2/NDF:1776.2/40

Out: 15.904+/-0.302 χ^2/NDF:2301.6/45

All: 16.171+/-0.216 χ^2/NDF: 4079.5/86



Right In: -41.941+/-0.037 χ^2/NDF: 12182.7/17

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.373+/-0.038 χ^2/NDF: 17871.5/20

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

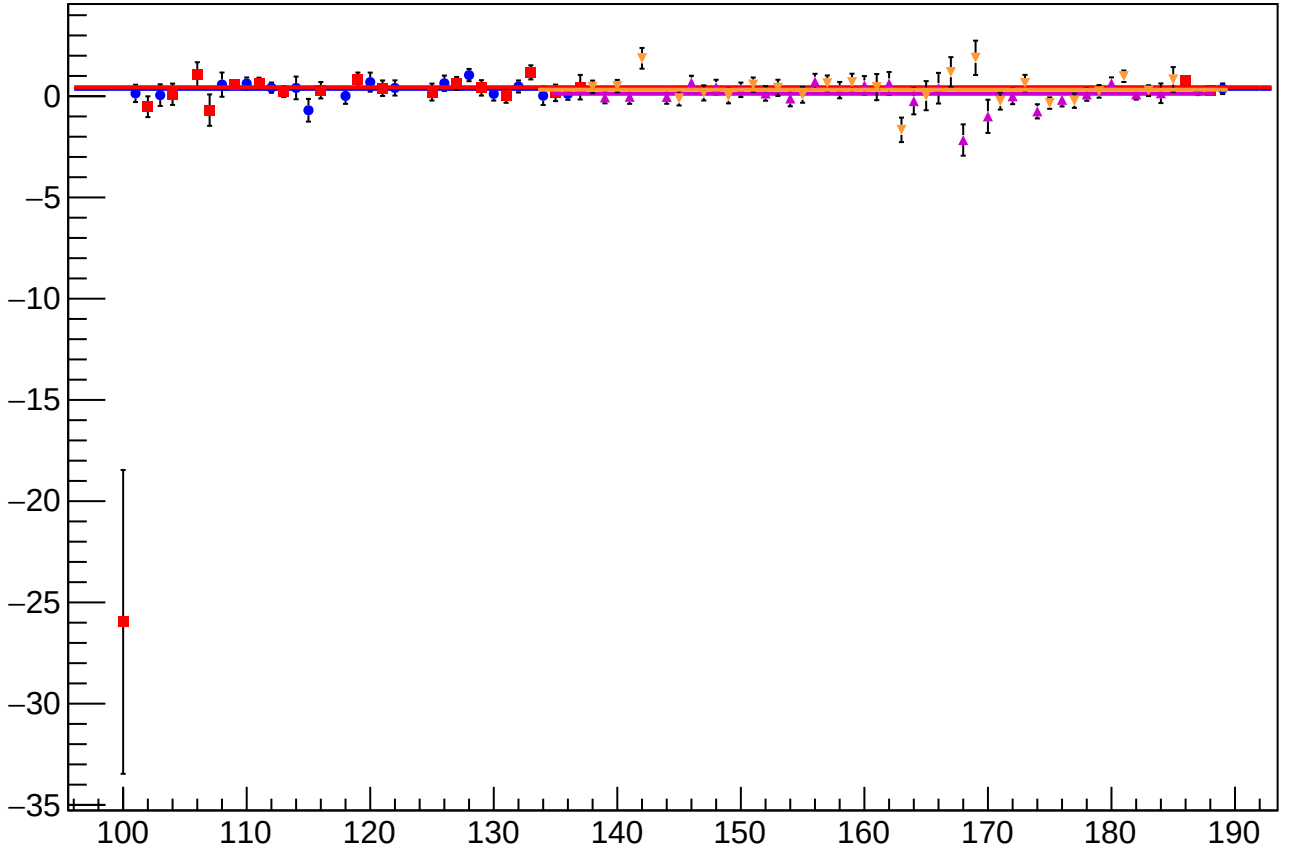
Right: -42.155+/-0.026 χ^2/NDF: 30121.0/38

In: -39.565+/-0.014 χ^2/NDF:63878.7/40

Out: -40.135+/-0.014 χ^2/NDF:103876.8/45

All: -39.852+/-0.010 χ^2/NDF: 168547.0/86

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.363+/-0.081 χ^2/NDF: 14.3/17

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.443+/-0.068 χ^2/NDF: 34.5/19

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

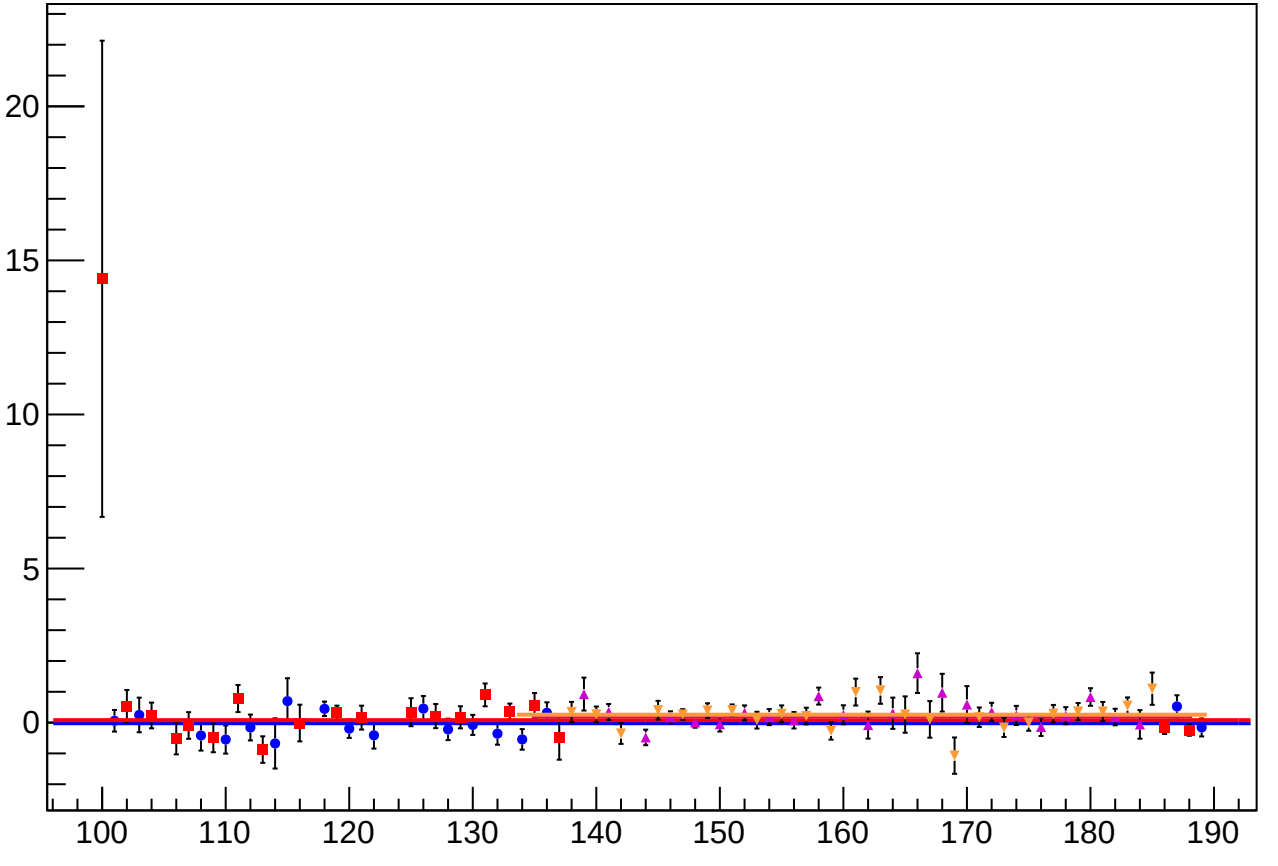
Right: 0.410+/-0.052 χ^2/NDF: 49.4/37

In: 0.239+/-0.057 χ^2/NDF:48.9/40

Out: 0.391+/-0.051 χ^2/NDF:82.8/43

All: 0.323+/-0.038 χ^2/NDF: 135.6/84

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.020+/-0.087 χ^2/NDF: 17.6/17

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.079+/-0.078 χ^2/NDF: 28.7/19

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

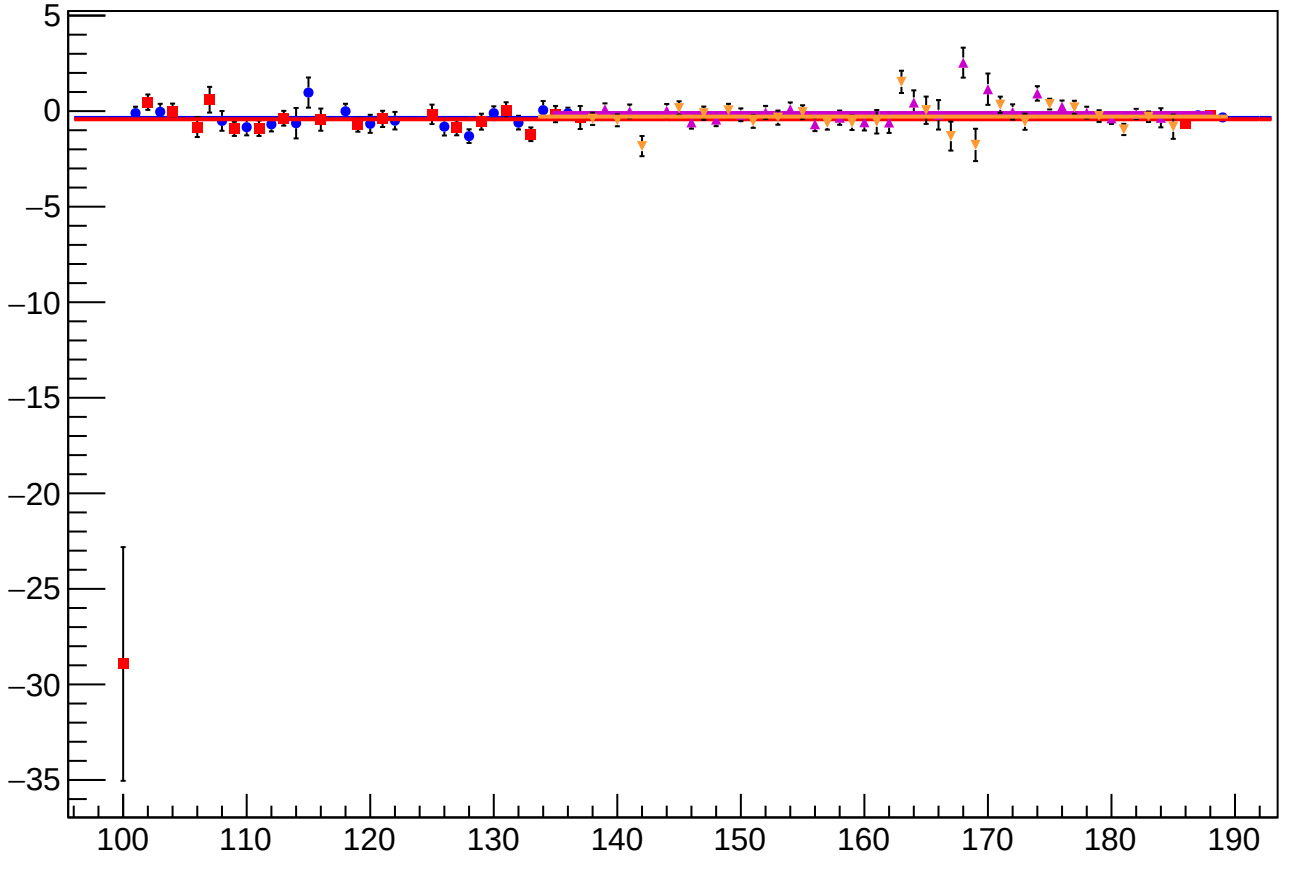
Right: 0.034+/-0.058 χ^2/NDF: 47.0/37

In: 0.133+/-0.050 χ^2/NDF:54.0/40

Out: 0.192+/-0.047 χ^2/NDF:58.5/43

All: 0.164+/-0.034 χ^2/NDF: 113.2/84

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.356+/-0.083 χ^2/NDF: 18.6/17

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.426+/-0.065 χ^2/NDF: 47.9/19

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

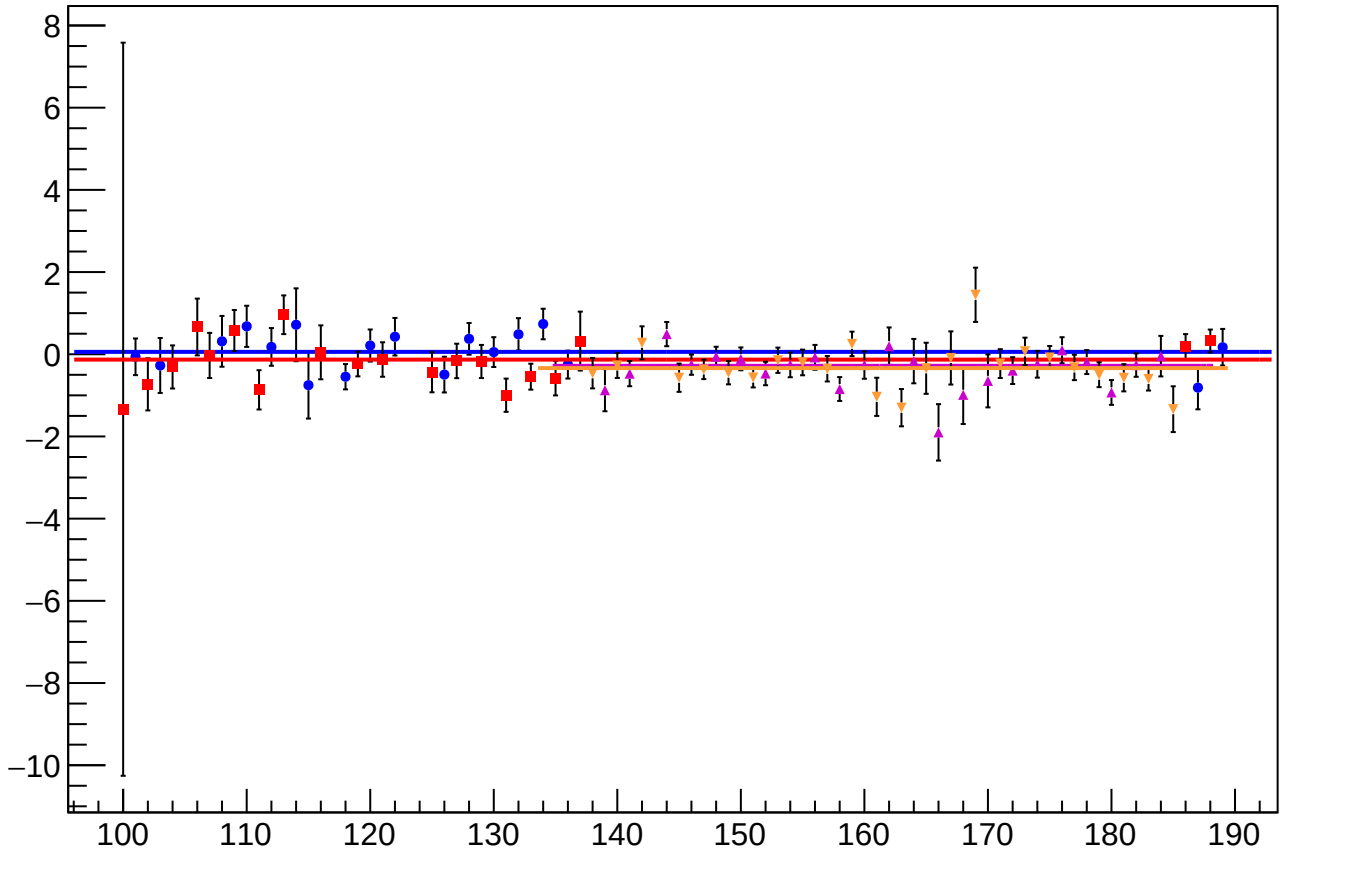
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.400+/-0.051 χ^2/NDF: 67.0/37

In: -0.220+/-0.057 χ^2/NDF:56.8/40

Out: -0.369+/-0.050 χ^2/NDF:94.9/43

All: -0.305+/-0.037 χ^2/NDF: 155.6/84



Right In: 0.058+/-0.103 χ^2/NDF: 18.7/17

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.130+/-0.097 χ^2/NDF: 24.4/19

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

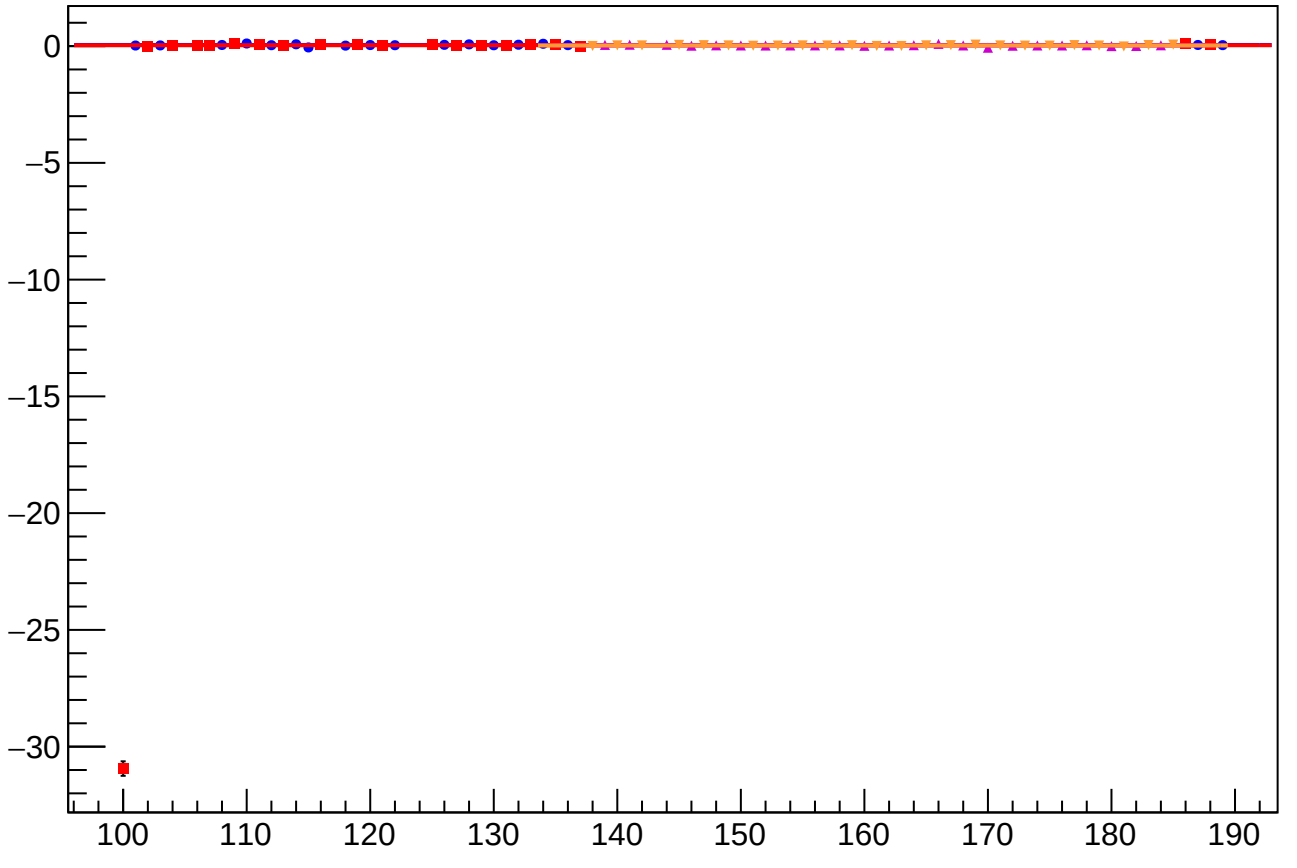
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.042+/-0.071 χ^2/NDF: 44.9/37

In: -0.177+/-0.057 χ^2/NDF:55.2/40

Out: -0.268+/-0.056 χ^2/NDF:57.6/43

All: -0.224+/-0.040 χ^2/NDF: 114.1/84



Right In: 0.048+/-0.006 χ^2/NDF: 19.3/17

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.038+/-0.006 χ^2/NDF: 10037.5/19

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

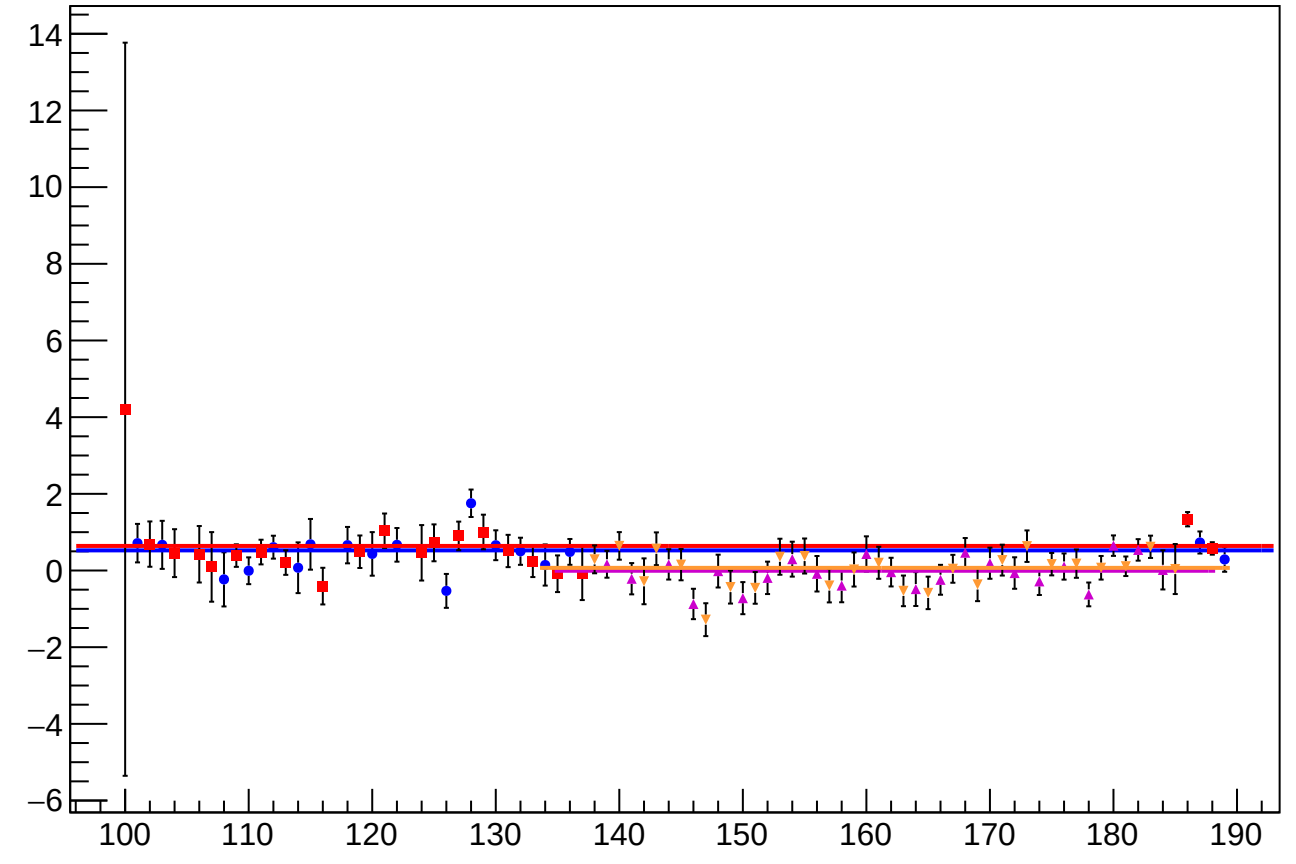
Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

Right: 0.043+/-0.004 χ^2/NDF: 10058.4/37

In: 0.033+/-0.003 χ^2/NDF:66.0/40

Out: 0.030+/-0.003 χ^2/NDF:10067.4/43

All: 0.032+/-0.002 χ^2/NDF: 10134.2/84



Right In: 0.525+/-0.097 χ^2/NDF: 23.7/17

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.641+/-0.080 χ^2/NDF: 28.8/20

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

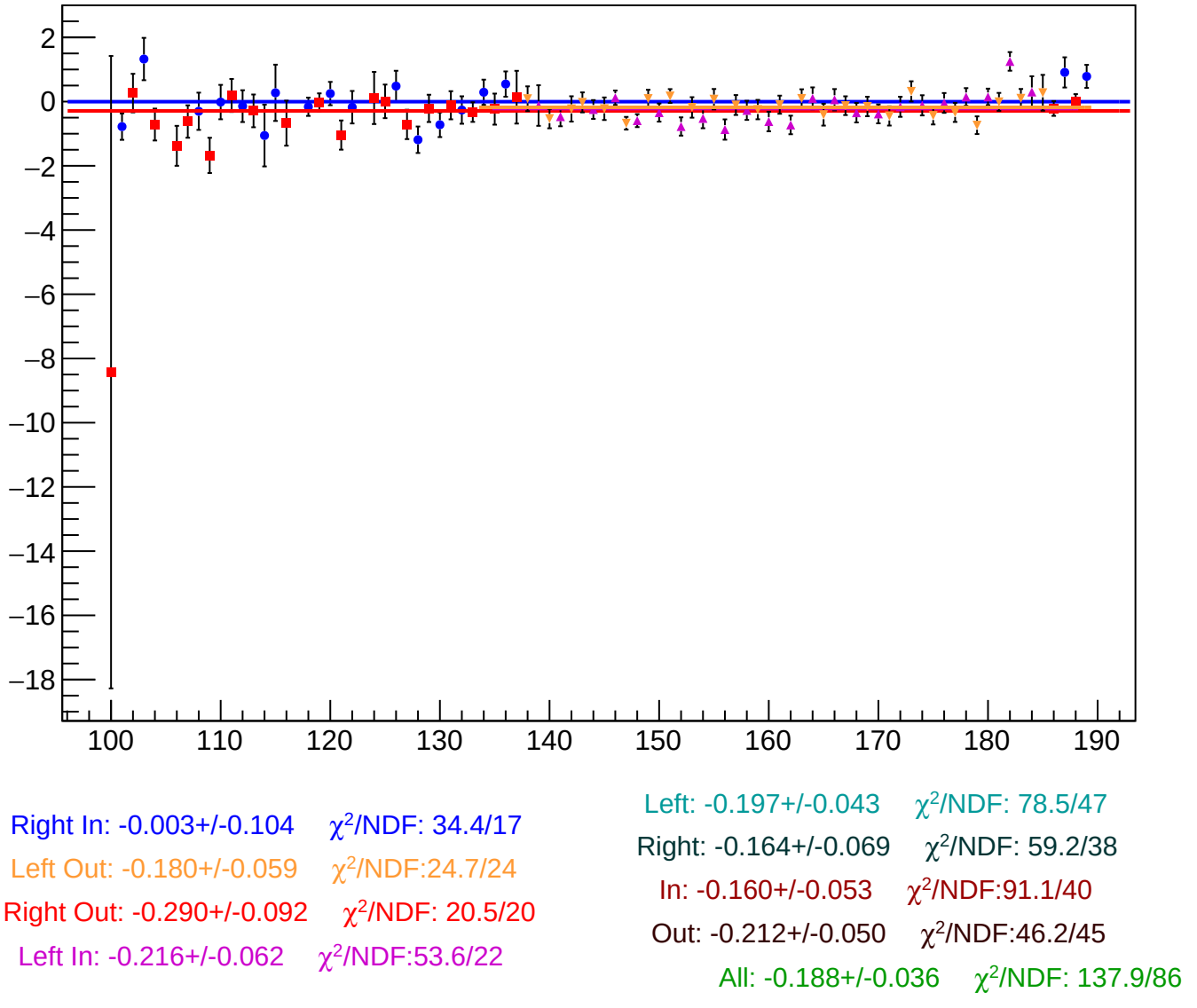
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

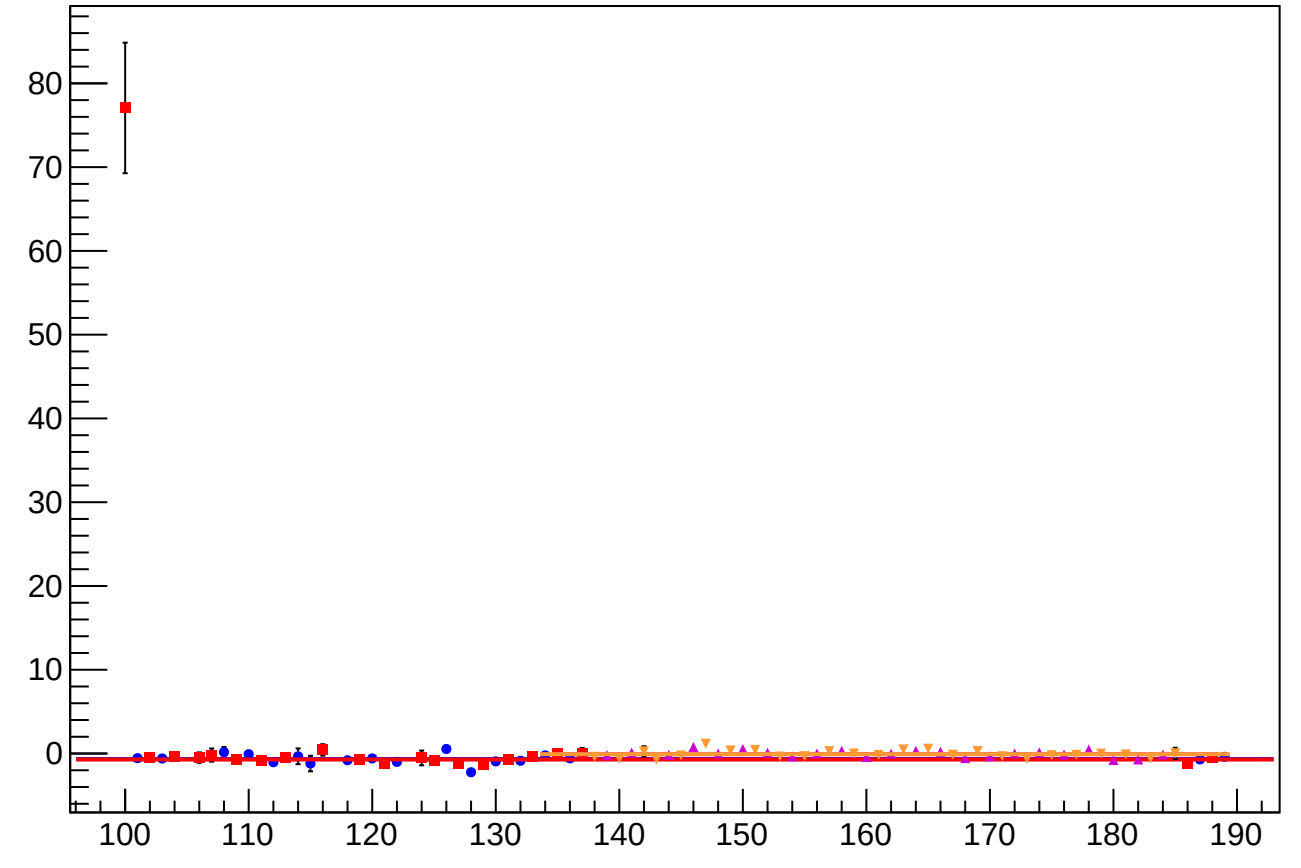
Right: 0.594+/-0.062 χ^2/NDF: 53.4/38

In: 0.207+/-0.061 χ^2/NDF:70.2/40

Out: 0.346+/-0.056 χ^2/NDF:86.5/45

All: 0.283+/-0.041 χ^2/NDF: 159.5/86


reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
110
120
130
140
150
160
170
180
190
Right In: -0.003+/-0.104 χ²/NDF: 34.4/17
Left Out: -0.180+/-0.059 χ²/NDF:24.7/24
Right Out: -0.290+/-0.092 χ²/NDF: 20.5/20
Left In: -0.216+/-0.062 χ²/NDF:53.6/22
Left: -0.197+/-0.043 χ²/NDF: 78.5/47
Right: -0.164+/-0.069 χ²/NDF: 59.2/38
In: -0.160+/-0.053 χ²/NDF:91.1/40
Out: -0.212+/-0.050 χ²/NDF:46.2/45
All: -0.188+/-0.036 χ²/NDF: 137.9/86



Right In: -0.667+/-0.100 χ^2/NDF: 26.1/17

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.712+/-0.077 χ^2/NDF: 122.5/20

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

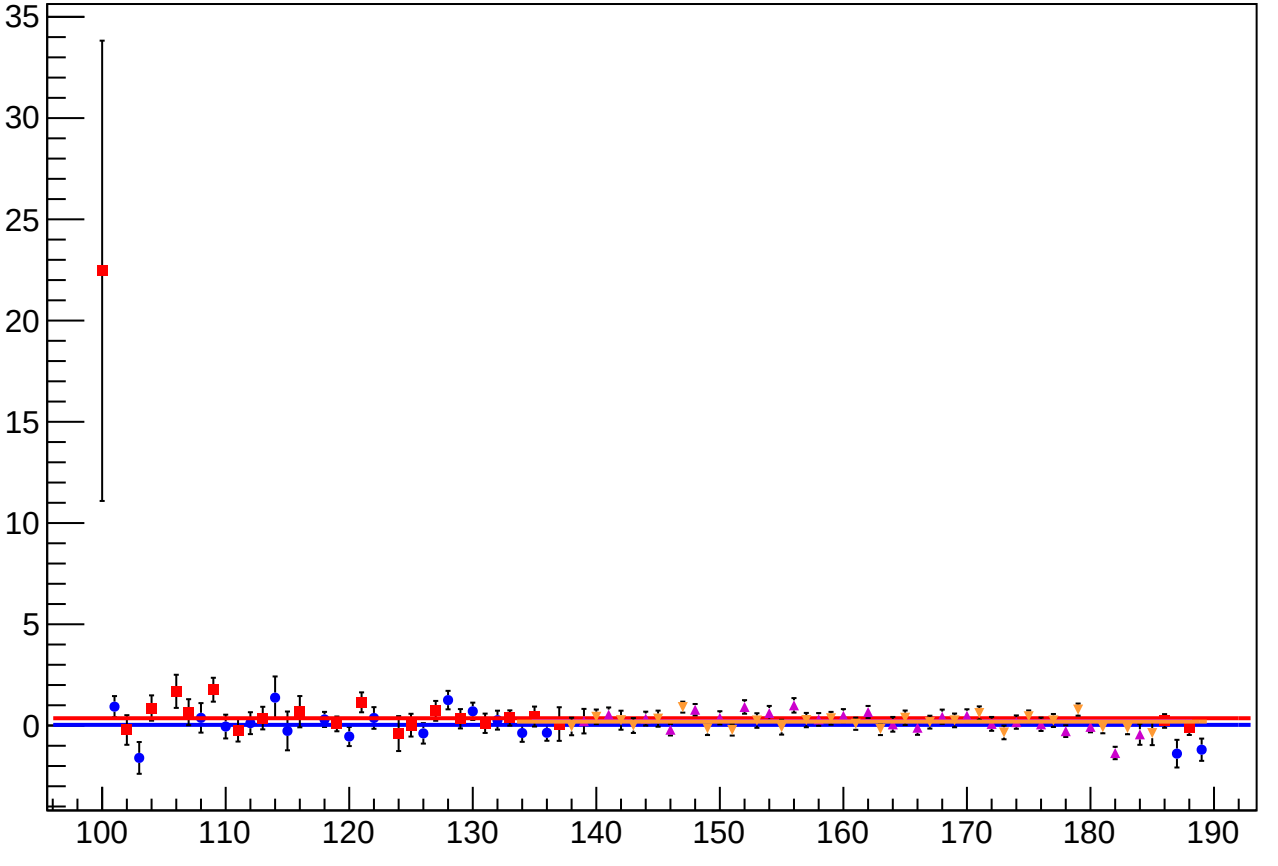
Right: -0.695+/-0.061 χ^2/NDF: 148.7/38

In: -0.300+/-0.062 χ^2/NDF:75.9/40

Out: -0.395+/-0.054 χ^2/NDF:186.8/45

All: -0.354+/-0.041 χ^2/NDF: 264.0/86

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.032+/-0.123 χ^2/NDF: 33.4/17

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.359+/-0.113 χ^2/NDF: 22.3/20

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

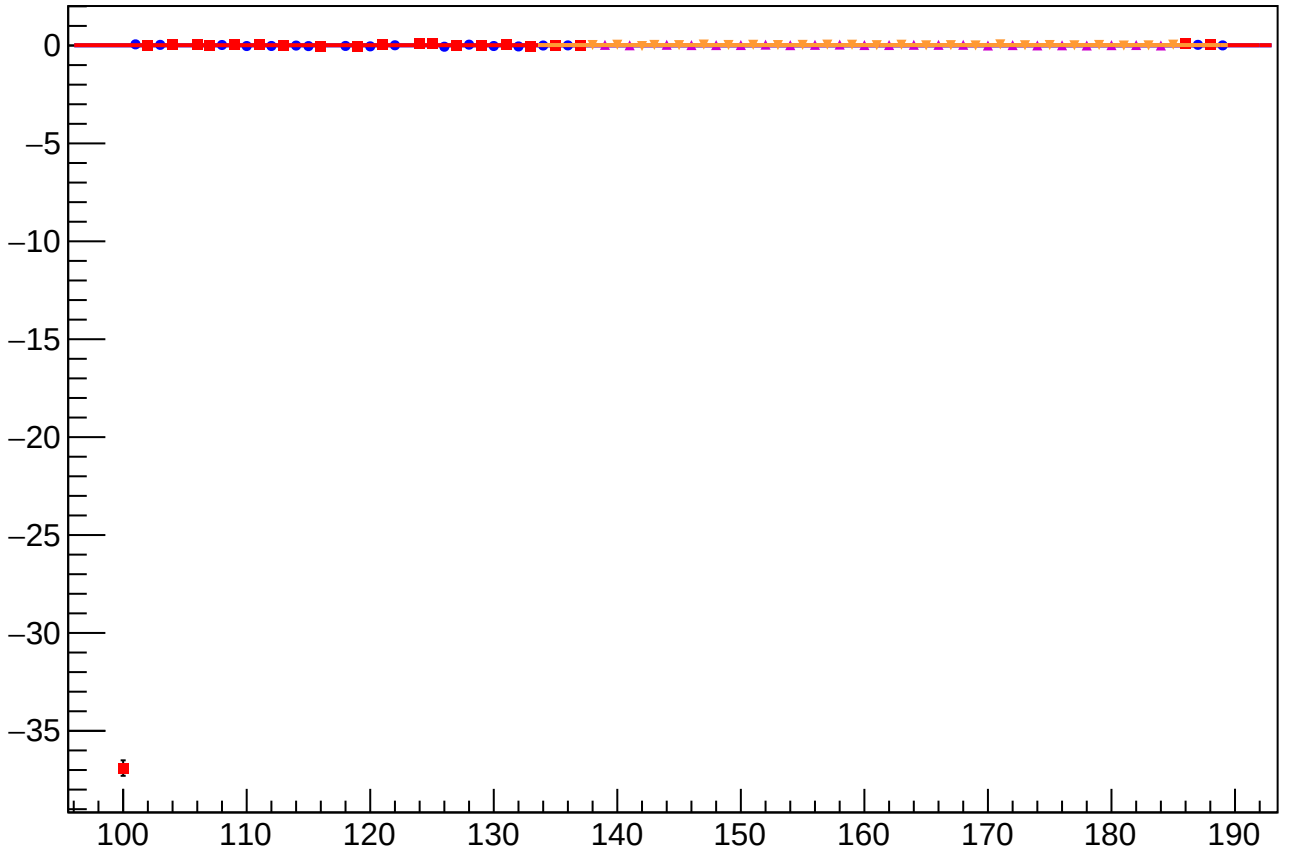
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.209+/-0.083 χ^2/NDF: 59.5/38

In: 0.171+/-0.060 χ^2/NDF:90.2/40

Out: 0.236+/-0.058 χ^2/NDF:49.7/45

All: 0.205+/-0.042 χ^2/NDF: 140.5/86



Right In: 0.007+/-0.007 χ^2/NDF: 18.1/17

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.016+/-0.007 χ^2/NDF: 8773.7/20

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

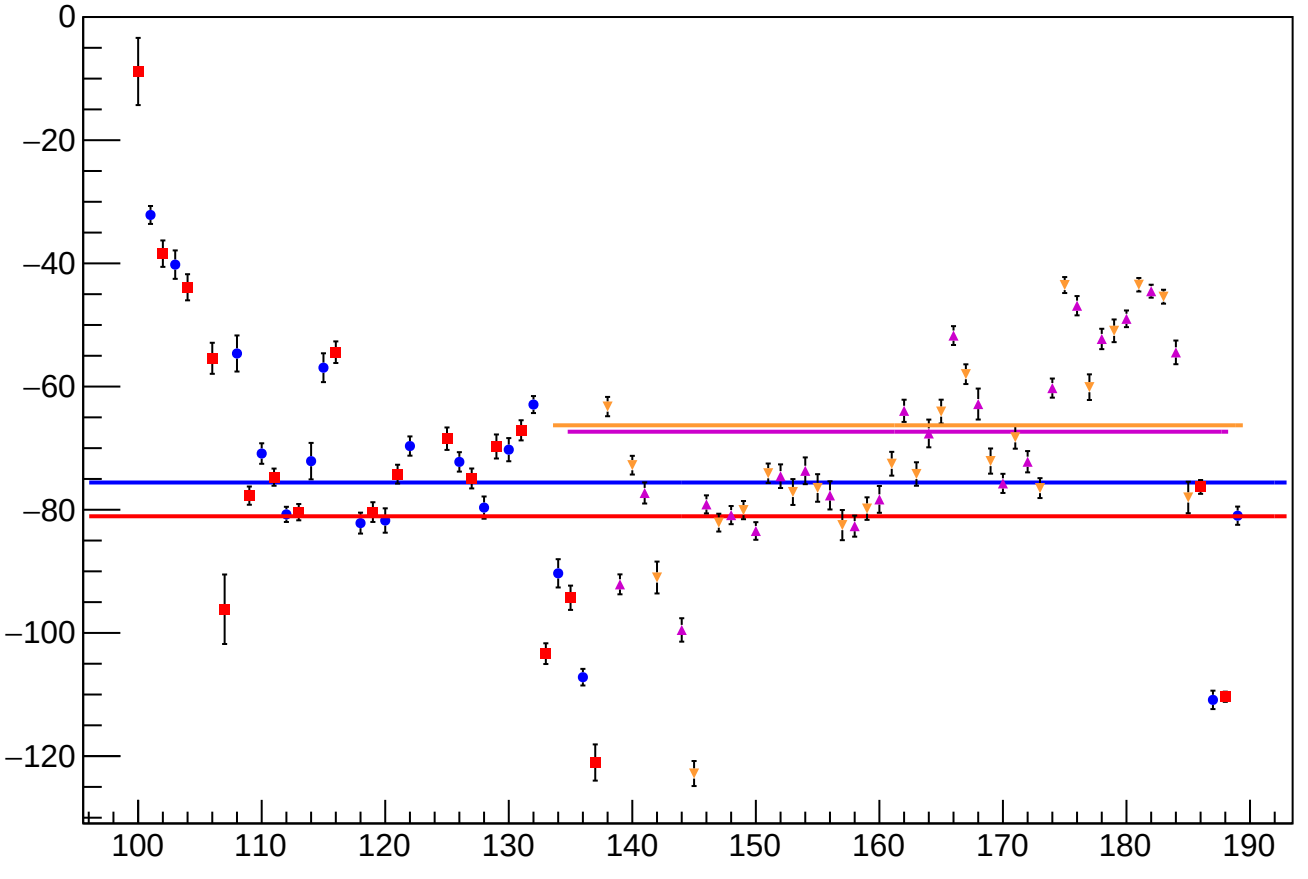
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.005 χ^2/NDF: 8792.7/38

In: 0.021+/-0.003 χ^2/NDF:41.2/40

Out: 0.023+/-0.003 χ^2/NDF:8805.0/45

All: 0.022+/-0.002 χ^2/NDF: 8846.3/86



Right In: -75.578+/-0.400 χ^2/NDF: 2568.6/17

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -81.060+/-0.362 χ^2/NDF: 3111.1/19

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

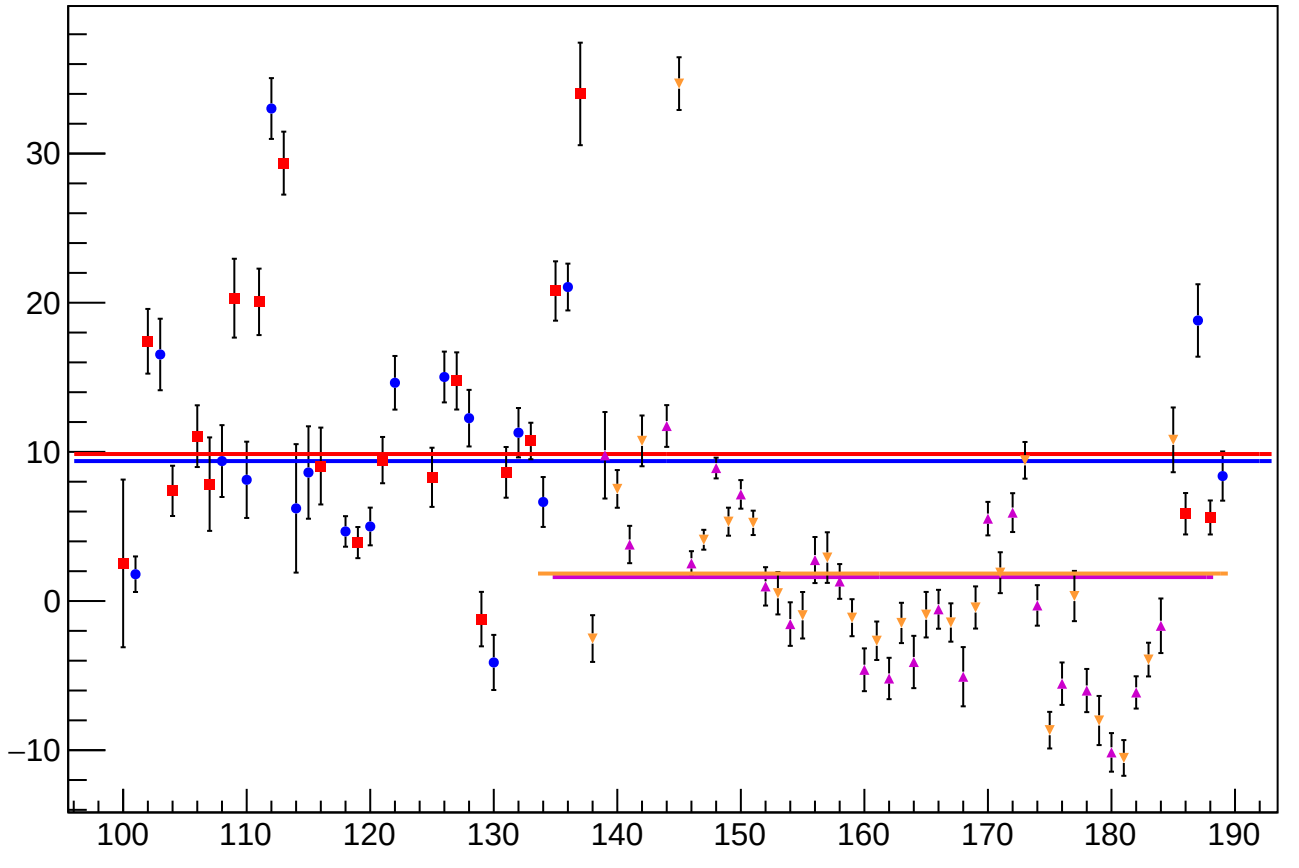
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

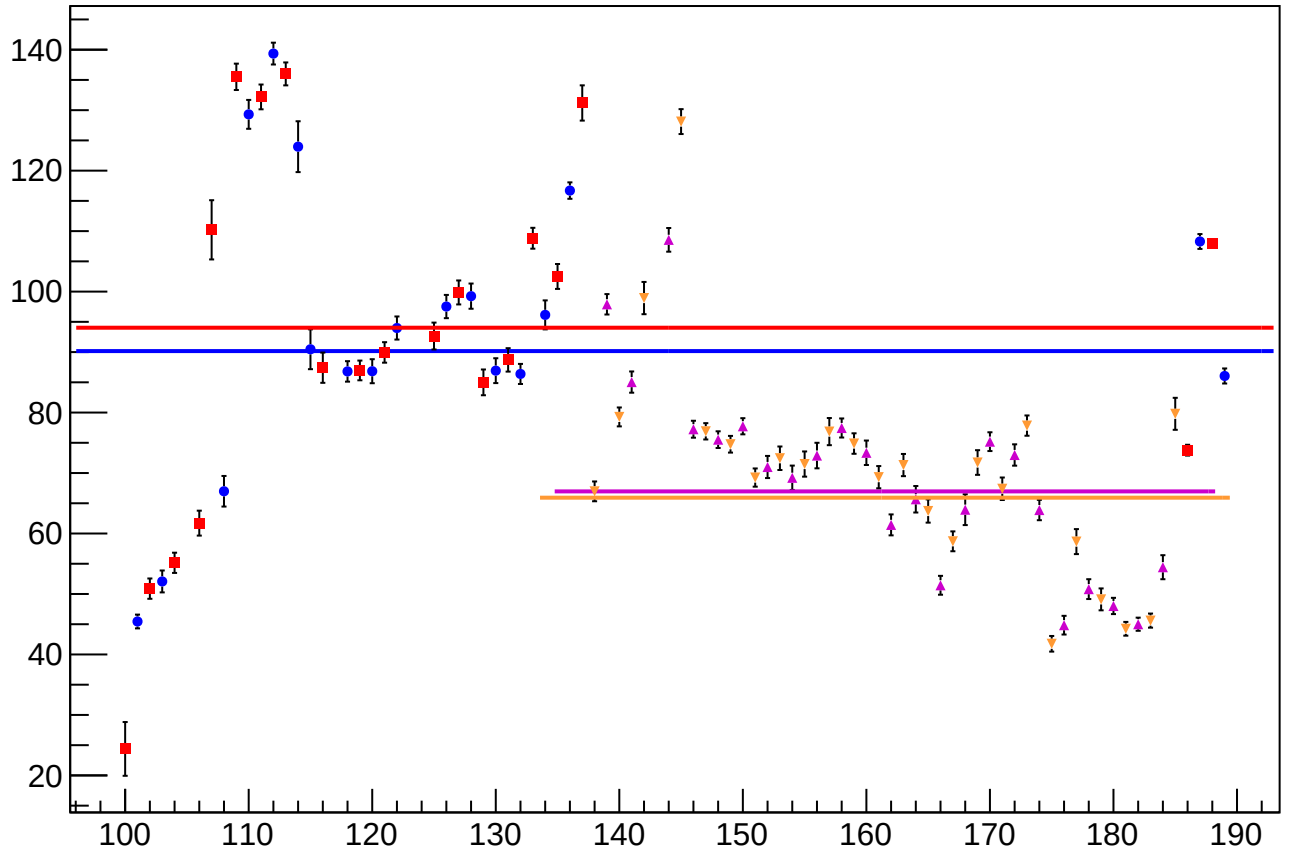
Right: -78.592+/-0.268 χ^2/NDF: 5783.1/37

In: -70.855+/-0.261 χ^2/NDF:4915.2/40

Out: -73.302+/-0.249 χ^2/NDF:6537.8/43

All: -72.136+/-0.180 χ^2/NDF: 11499.0/84


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
180
190
Right In: 9.383+/-0.406 χ²/NDF: 367.8/17
Left Out: 1.842+/-0.254 χ²/NDF:781.5/23
Right Out: 9.856+/-0.394 χ²/NDF: 318.0/19
Left In: 1.605+/-0.258 χ²/NDF:496.6/22
Left: 1.726+/-0.181 χ²/NDF: 1278.5/46
Right: 9.627+/-0.283 χ²/NDF: 686.5/37
In: 3.849+/-0.218 χ²/NDF:1125.7/40
Out: 4.203+/-0.214 χ²/NDF:1391.6/43
All: 4.029+/-0.153 χ²/NDF: 2518.7/84



Right In: 90.164+/-0.413 χ^2/NDF: 3809.6/17

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 94.028+/-0.358 χ^2/NDF: 4169.1/19

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

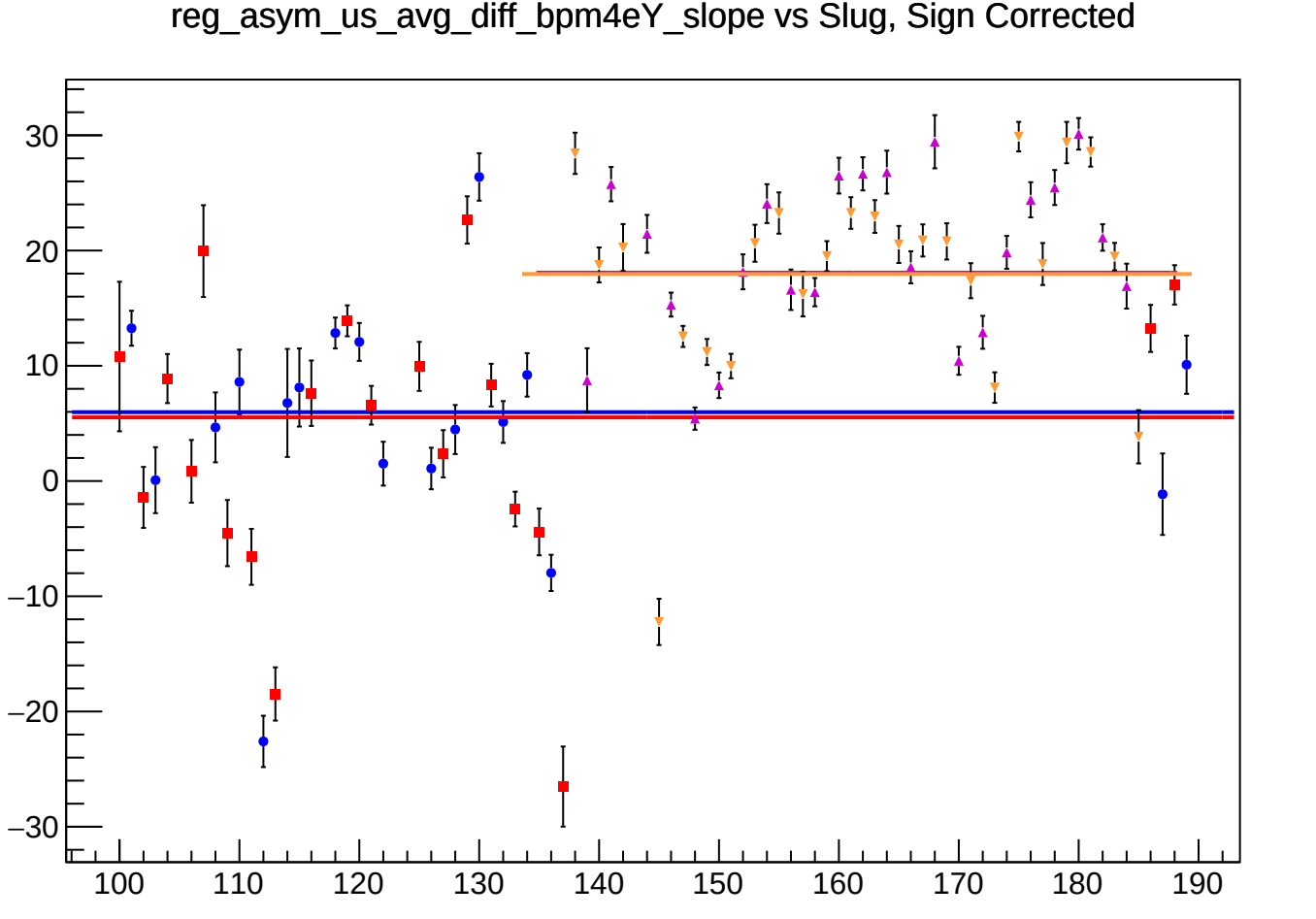
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

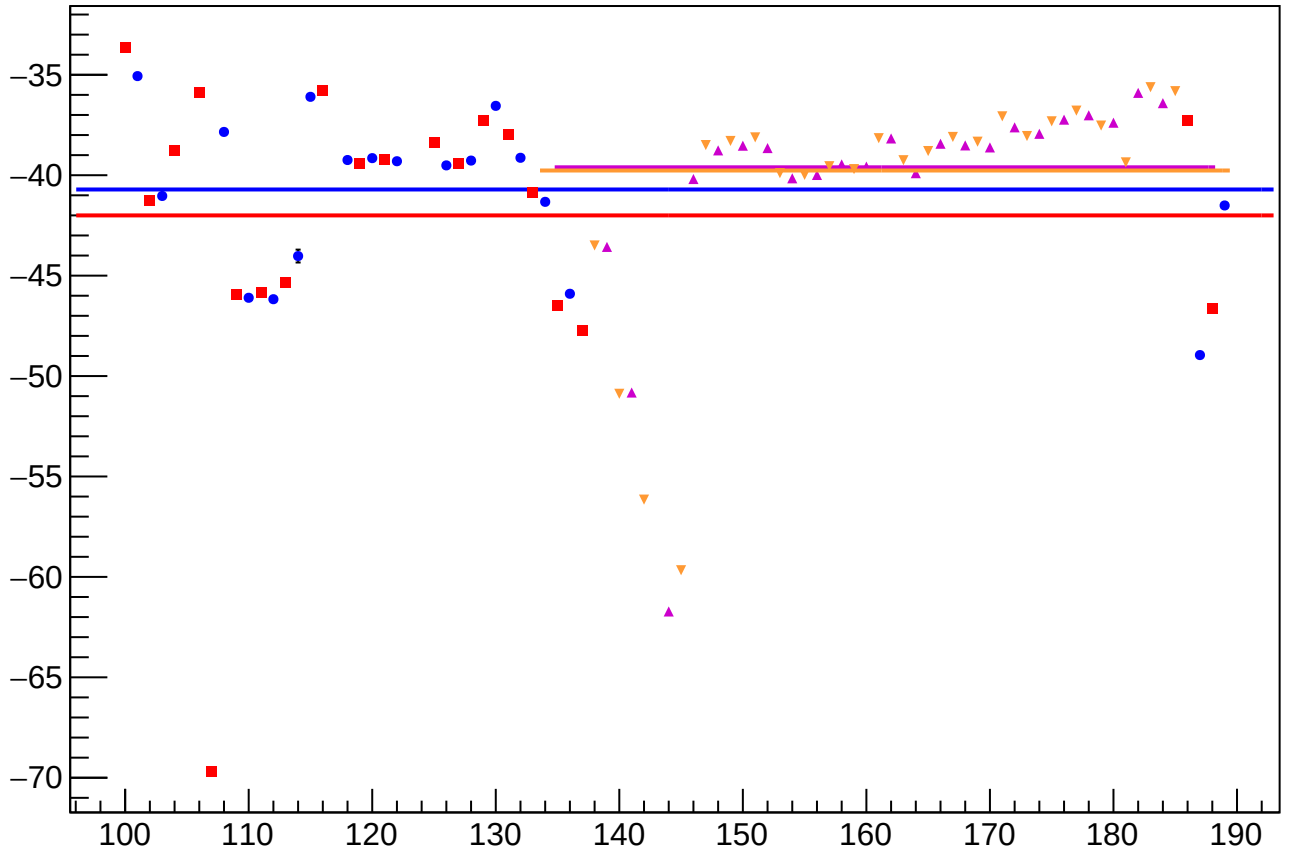
Right: 92.369+/-0.271 χ^2/NDF: 8028.6/37

In: 76.376+/-0.263 χ^2/NDF:7906.4/40

Out: 79.263+/-0.247 χ^2/NDF:9958.2/43

All: 77.911+/-0.180 χ^2/NDF: 17928.7/84


reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
190
Right In: 5.976+/-0.481 χ²/NDF: 433.5/17
Left Out: 17.963+/-0.292 χ²/NDF:732.1/23
Right Out: 5.523+/-0.475 χ²/NDF: 486.1/19
Left In: 18.079+/-0.295 χ²/NDF:605.0/22
Left: 18.020+/-0.207 χ²/NDF: 1337.2/46
Right: 5.747+/-0.338 χ²/NDF: 920.1/37
In: 14.773+/-0.251 χ²/NDF:1498.8/40
Out: 14.551+/-0.249 χ²/NDF:1716.2/43
All: 14.661+/-0.177 χ²/NDF: 3215.4/84



Right In: -40.710+/-0.027 χ^2/NDF: 19985.4/17

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -42.001+/-0.027 χ^2/NDF: 40720.5/19

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

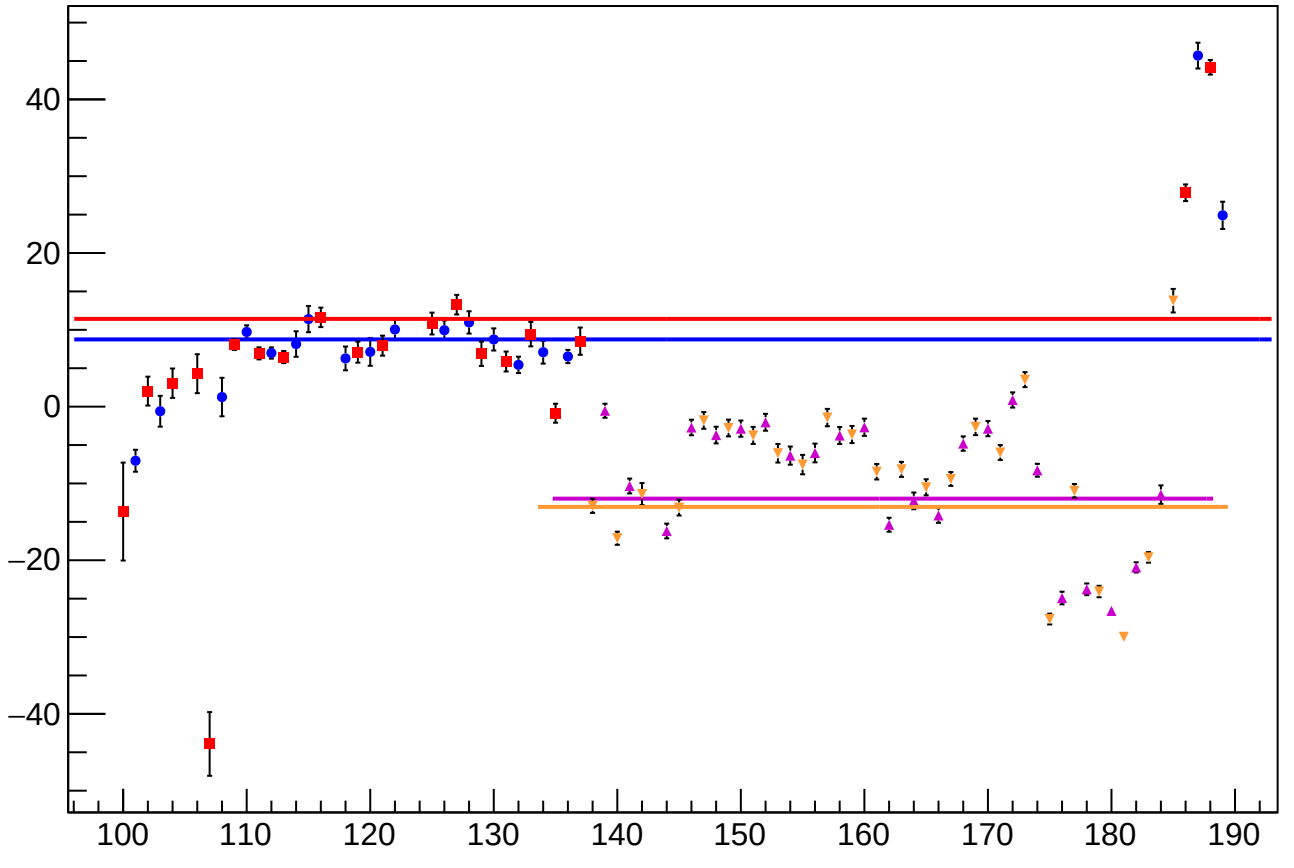
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

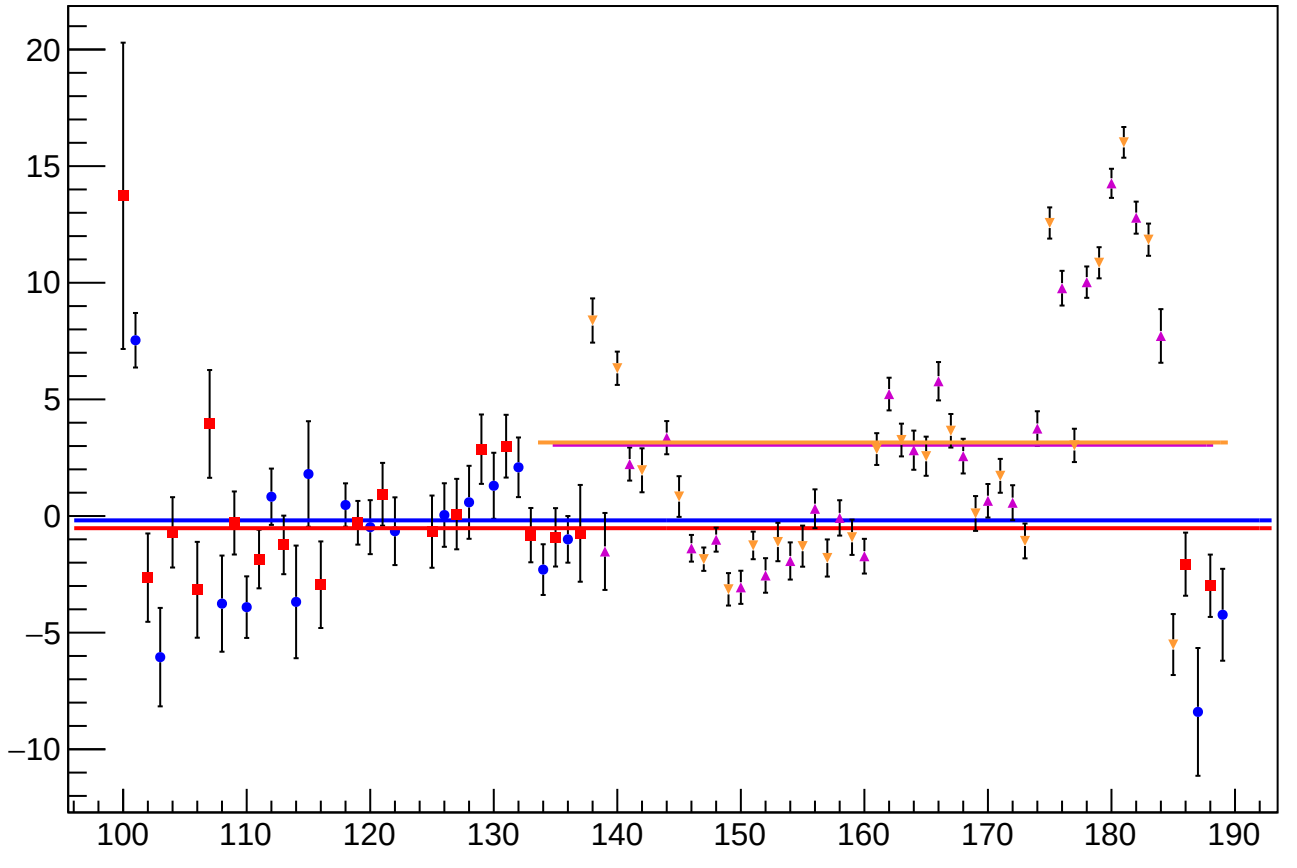
Right: -41.354+/-0.019 χ^2/NDF: 61828.0/37

In: -39.821+/-0.012 χ^2/NDF:127950.0/40

Out: -40.203+/-0.012 χ^2/NDF:176015.9/43

All: -40.011+/-0.009 χ^2/NDF: 304470.2/84


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
190
Right In: 8.752+/-0.300 χ²/NDF: 753.8/17
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 11.426+/-0.275 χ²/NDF: 1904.9/19
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 10.203+/-0.203 χ²/NDF: 2701.9/37
In: -5.793+/-0.164 χ²/NDF:6285.5/40
Out: -4.997+/-0.158 χ²/NDF:10080.4/43
All: -5.381+/-0.114 χ²/NDF: 16378.2/84



Right In: -0.187+/-0.325 χ^2/NDF: 88.7/17

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.523+/-0.324 χ^2/NDF: 32.8/19

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

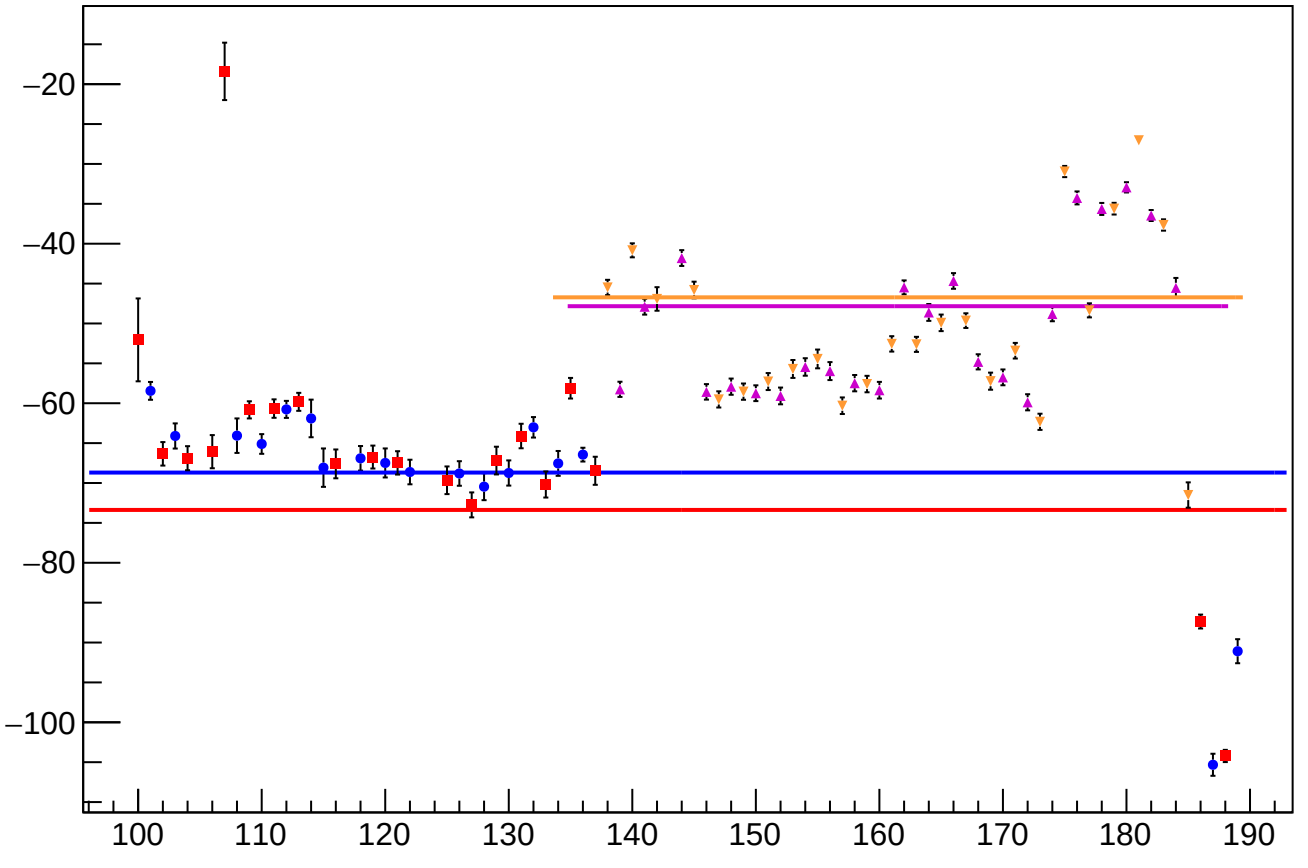
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.355+/-0.229 χ^2/NDF: 122.1/37

In: 2.472+/-0.138 χ^2/NDF:1315.5/40

Out: 2.510+/-0.135 χ^2/NDF:1524.2/43

All: 2.491+/-0.097 χ^2/NDF: 2839.8/84



Right In: -68.692+/-0.334 χ^2/NDF: 1122.6/17

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -73.376+/-0.305 χ^2/NDF: 2836.7/19

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

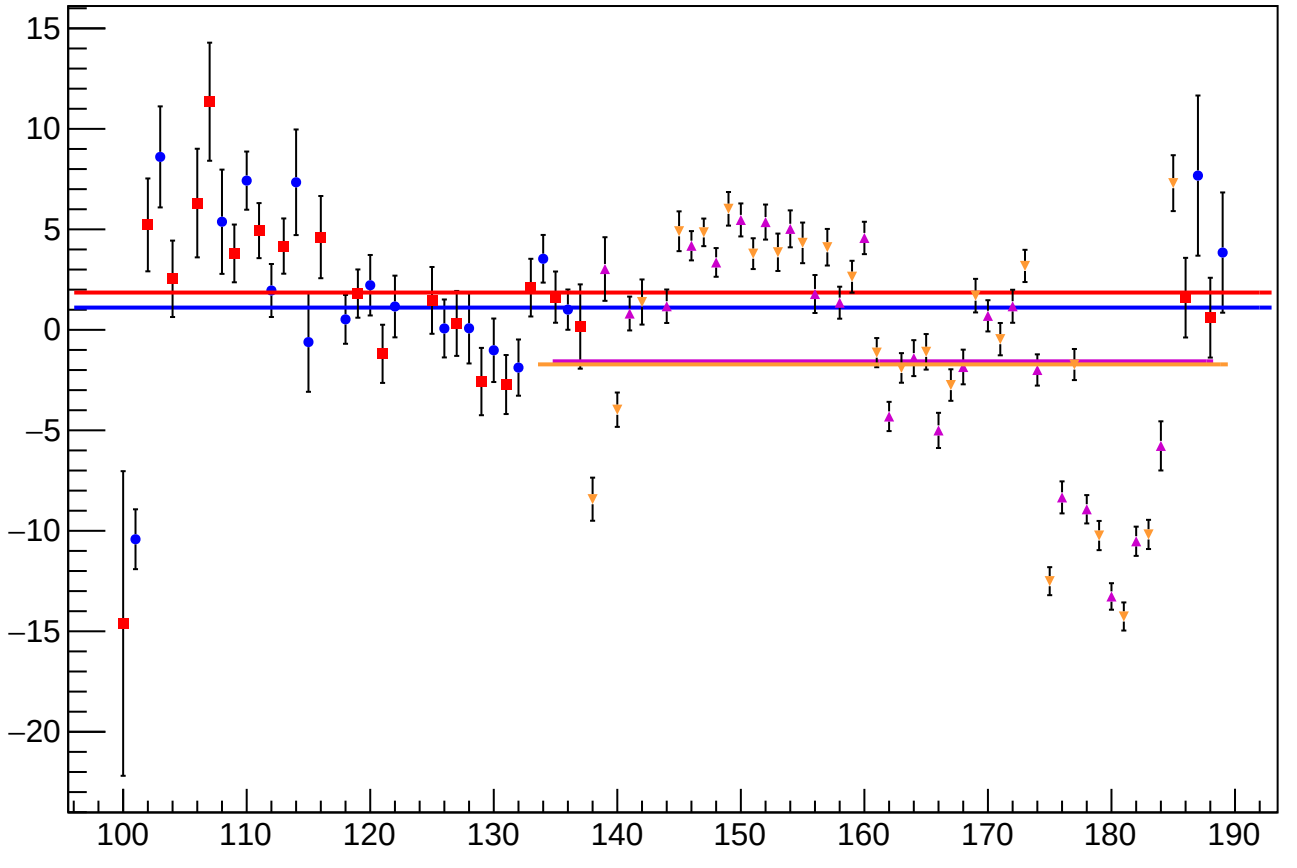
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -71.245+/-0.226 χ^2/NDF: 4066.3/37

In: -53.082+/-0.168 χ^2/NDF:6592.2/40

Out: -54.246+/-0.162 χ^2/NDF:11747.0/43

All: -53.683+/-0.117 χ^2/NDF: 18364.2/84



Right In: 1.108+/-0.371 χ^2/NDF: 112.9/17

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.856+/-0.375 χ^2/NDF: 54.9/19

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

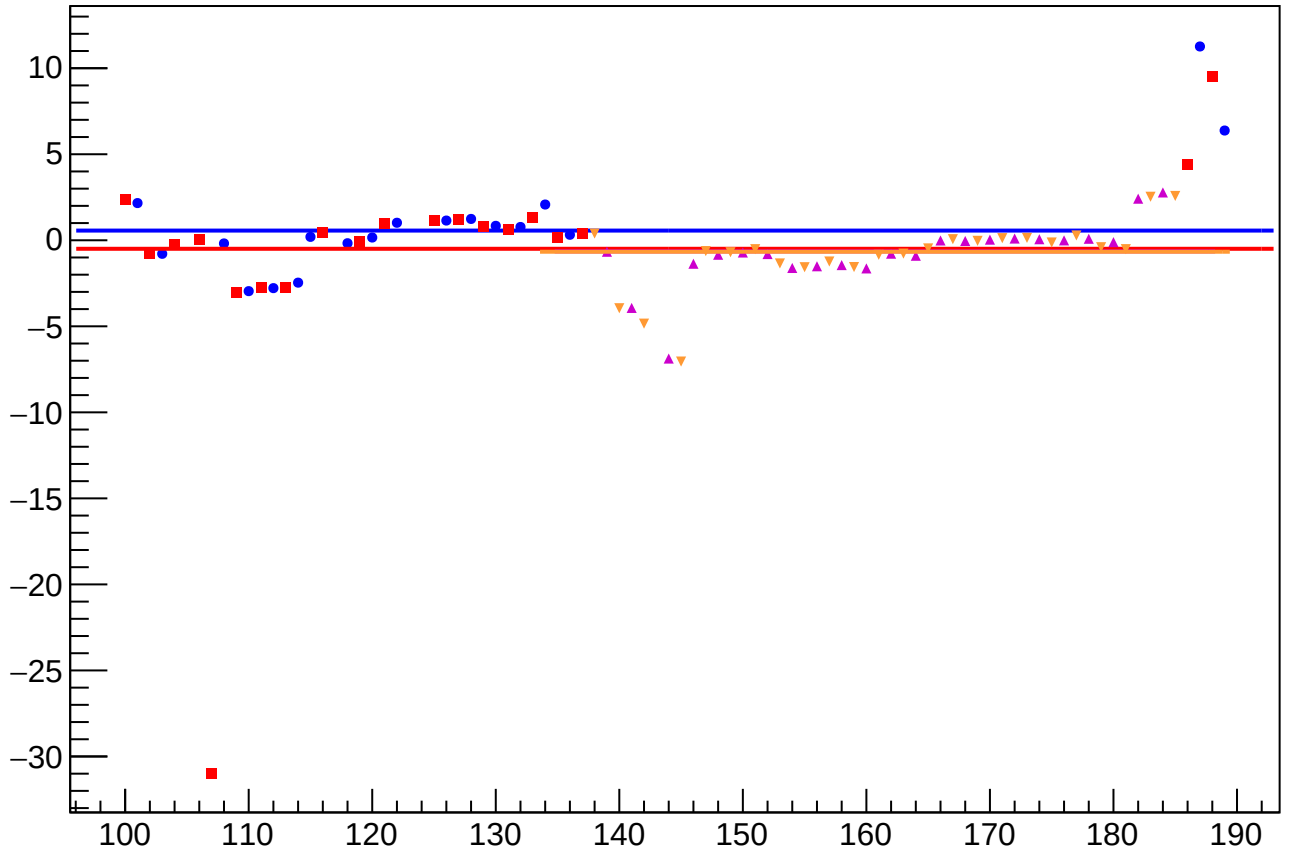
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 1.477+/-0.264 χ^2/NDF: 169.8/37

In: -1.100+/-0.155 χ^2/NDF:1273.5/40

Out: -1.123+/-0.153 χ^2/NDF:1536.5/43

All: -1.112+/-0.109 χ^2/NDF: 2810.0/84



Right In: 0.564+/-0.021 χ^2/NDF: 9380.7/17

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.495+/-0.021 χ^2/NDF: 58641.1/19

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

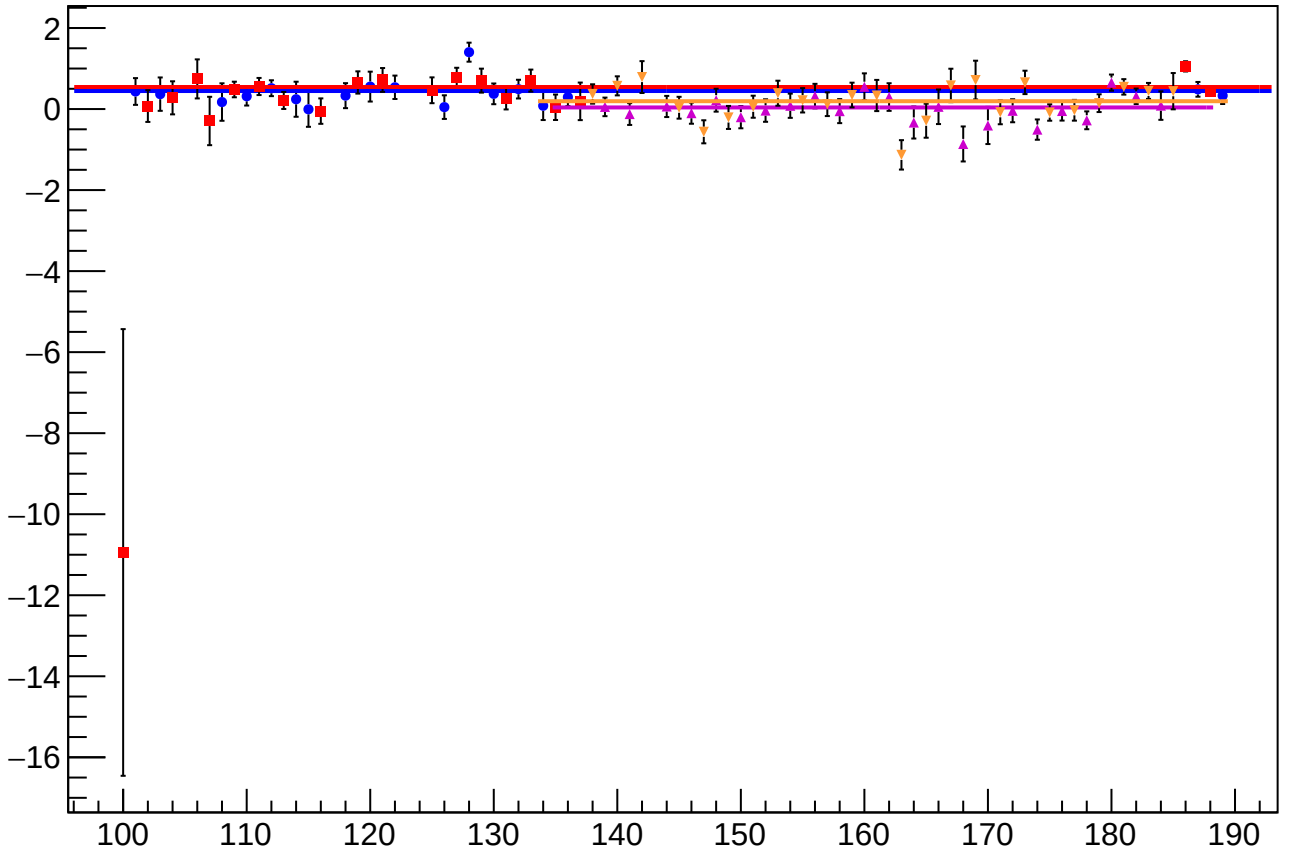
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.053+/-0.015 χ^2/NDF: 69283.6/37

In: -0.504+/-0.007 χ^2/NDF:57964.6/40

Out: -0.647+/-0.007 χ^2/NDF:113974.5/43

All: -0.576+/-0.005 χ^2/NDF: 172141.8/84



Right In: 0.445+/-0.063 χ^2/NDF: 23.0/17

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.544+/-0.053 χ^2/NDF: 38.2/19

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

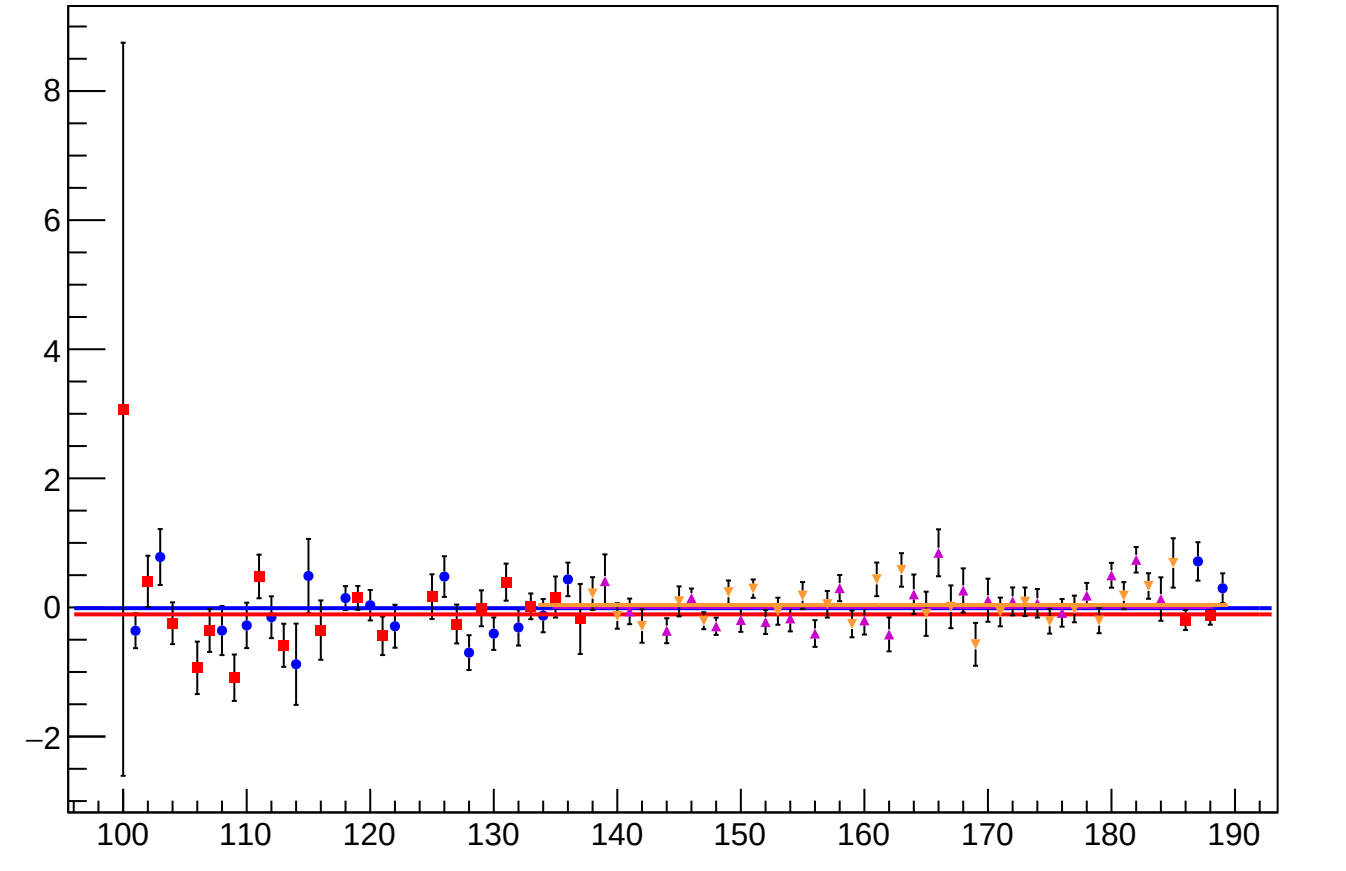
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.503+/-0.040 χ^2/NDF: 62.7/37

In: 0.224+/-0.043 χ^2/NDF:76.1/40

Out: 0.382+/-0.039 χ^2/NDF:102.9/43

All: 0.311+/-0.029 χ^2/NDF: 186.5/84



Right In: -0.012+/-0.068 χ^2/NDF: 34.1/17

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.108+/-0.061 χ^2/NDF: 28.3/19

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

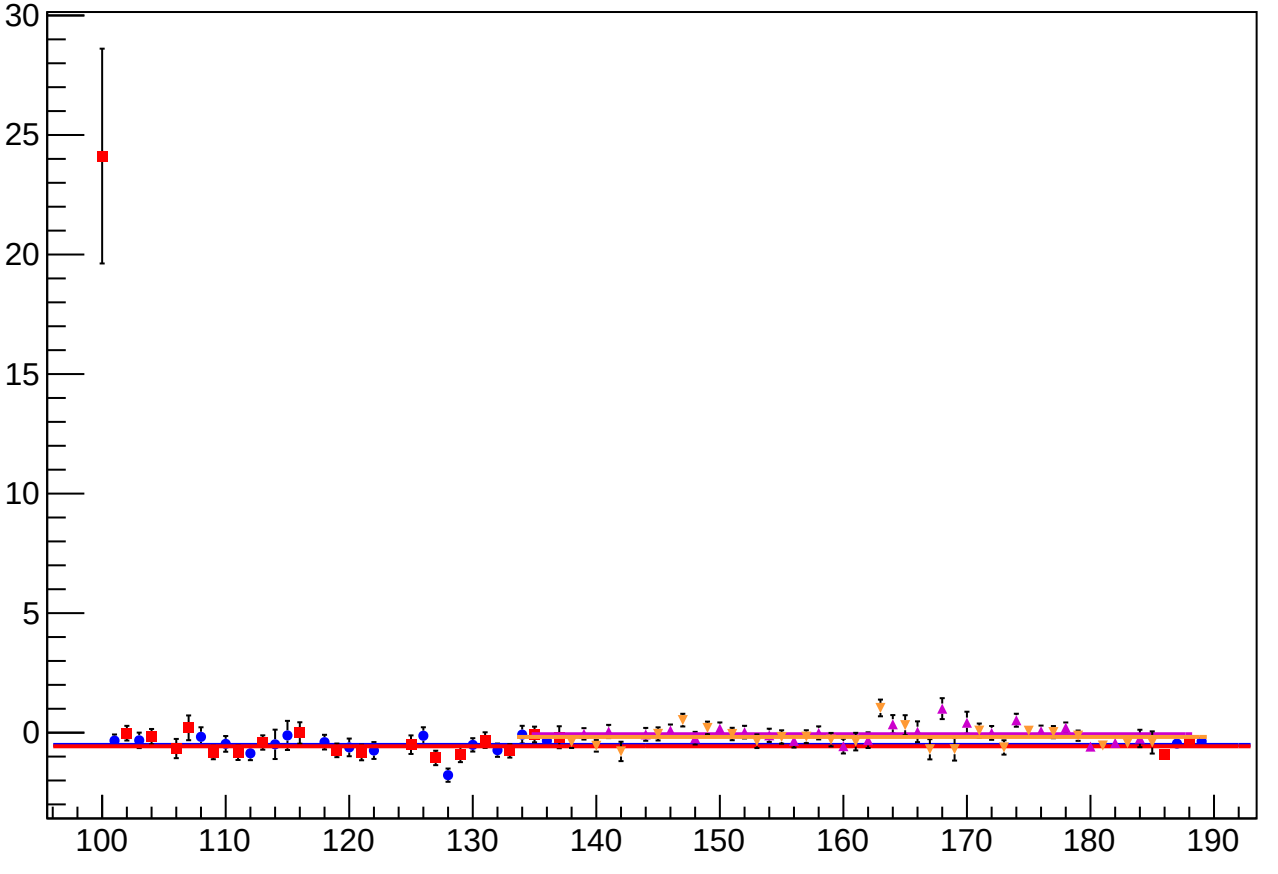
Right: -0.065+/-0.045 χ^2/NDF: 63.5/37

In: 0.002+/-0.037 χ^2/NDF:85.6/40

Out: -0.011+/-0.035 χ^2/NDF:64.9/43

All: -0.005+/-0.026 χ^2/NDF: 150.5/84

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.512+/-0.065 χ^2/NDF: 29.5/17

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.570+/-0.050 χ^2/NDF: 64.4/19

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

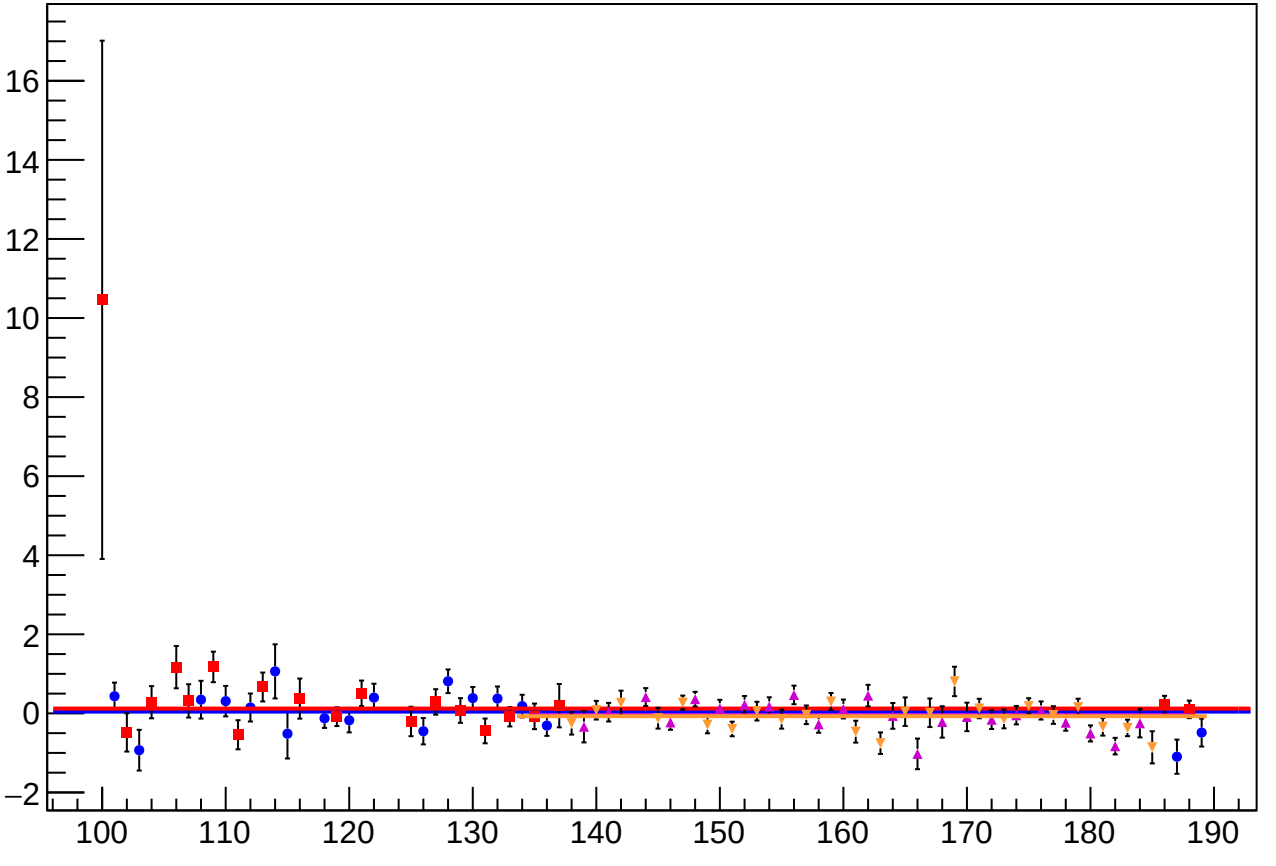
Right: -0.548+/-0.040 χ^2/NDF: 94.4/37

In: -0.259+/-0.043 χ^2/NDF:87.5/40

Out: -0.396+/-0.038 χ^2/NDF:133.5/43

All: -0.336+/-0.028 χ^2/NDF: 226.8/84

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.045+/-0.080 χ^2/NDF: 33.6/17

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.121+/-0.075 χ^2/NDF: 29.2/19

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

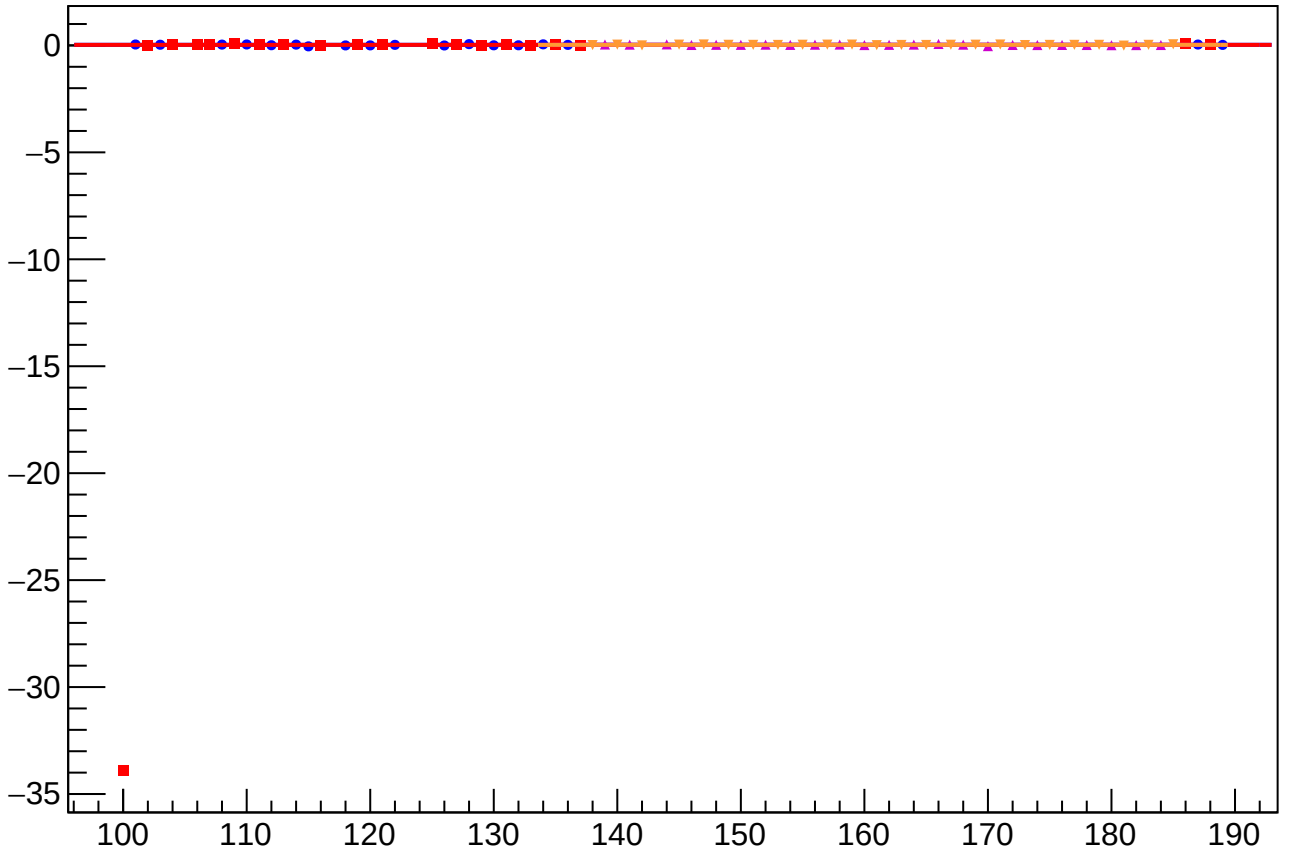
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.086+/-0.055 χ^2/NDF: 63.3/37

In: -0.021+/-0.043 χ^2/NDF:85.0/40

Out: -0.013+/-0.041 χ^2/NDF:71.5/43

All: -0.017+/-0.030 χ^2/NDF: 156.6/84



Right In: 0.028+/-0.005 χ^2/NDF: 15.0/17

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.025+/-0.004 χ^2/NDF: 22302.7/19

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

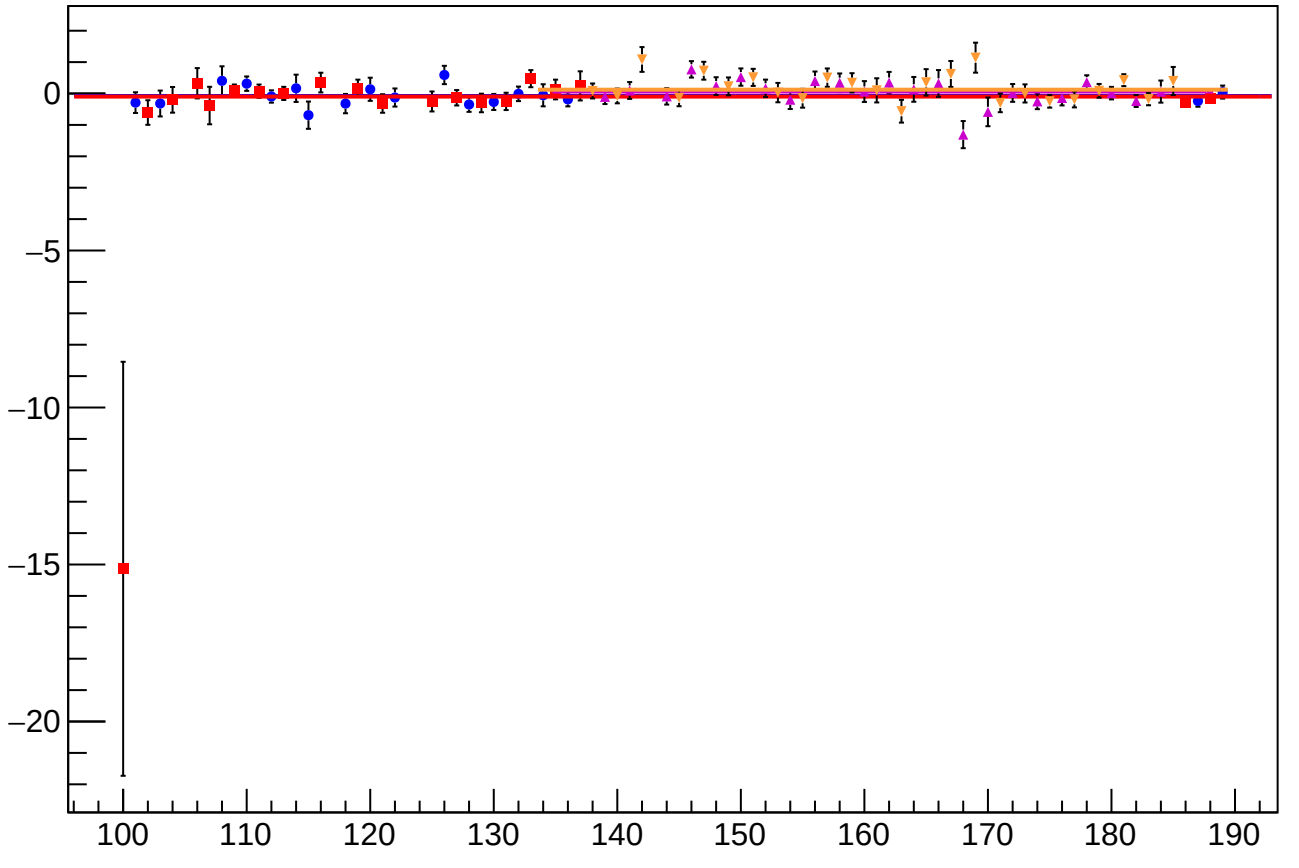
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.026+/-0.003 χ^2/NDF: 22317.9/37

In: 0.027+/-0.002 χ^2/NDF:54.6/40

Out: 0.026+/-0.002 χ^2/NDF:22334.2/43

All: 0.026+/-0.001 χ^2/NDF: 22388.8/84



Right In: -0.080+/-0.063 χ^2/NDF: 16.7/17

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.097+/-0.053 χ^2/NDF: 22.7/19

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

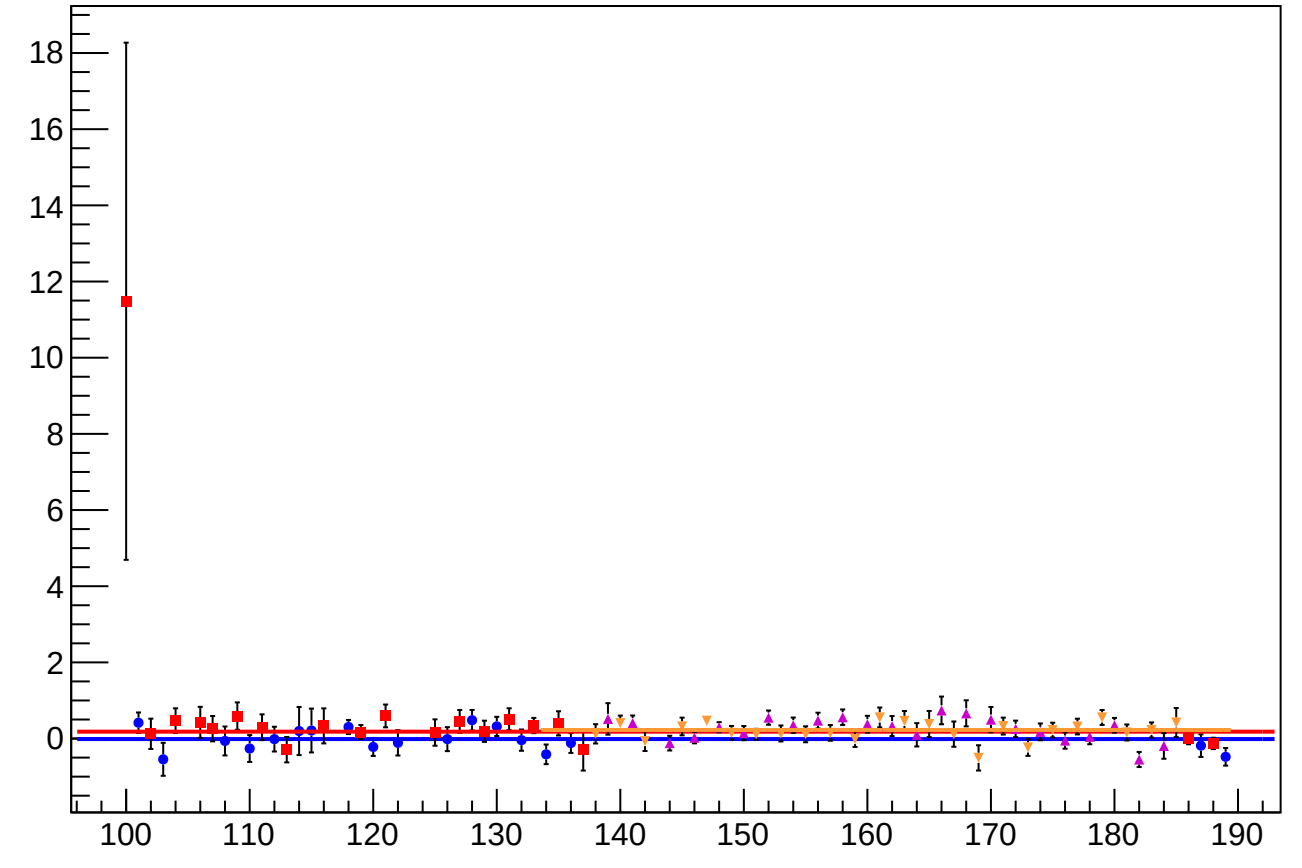
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

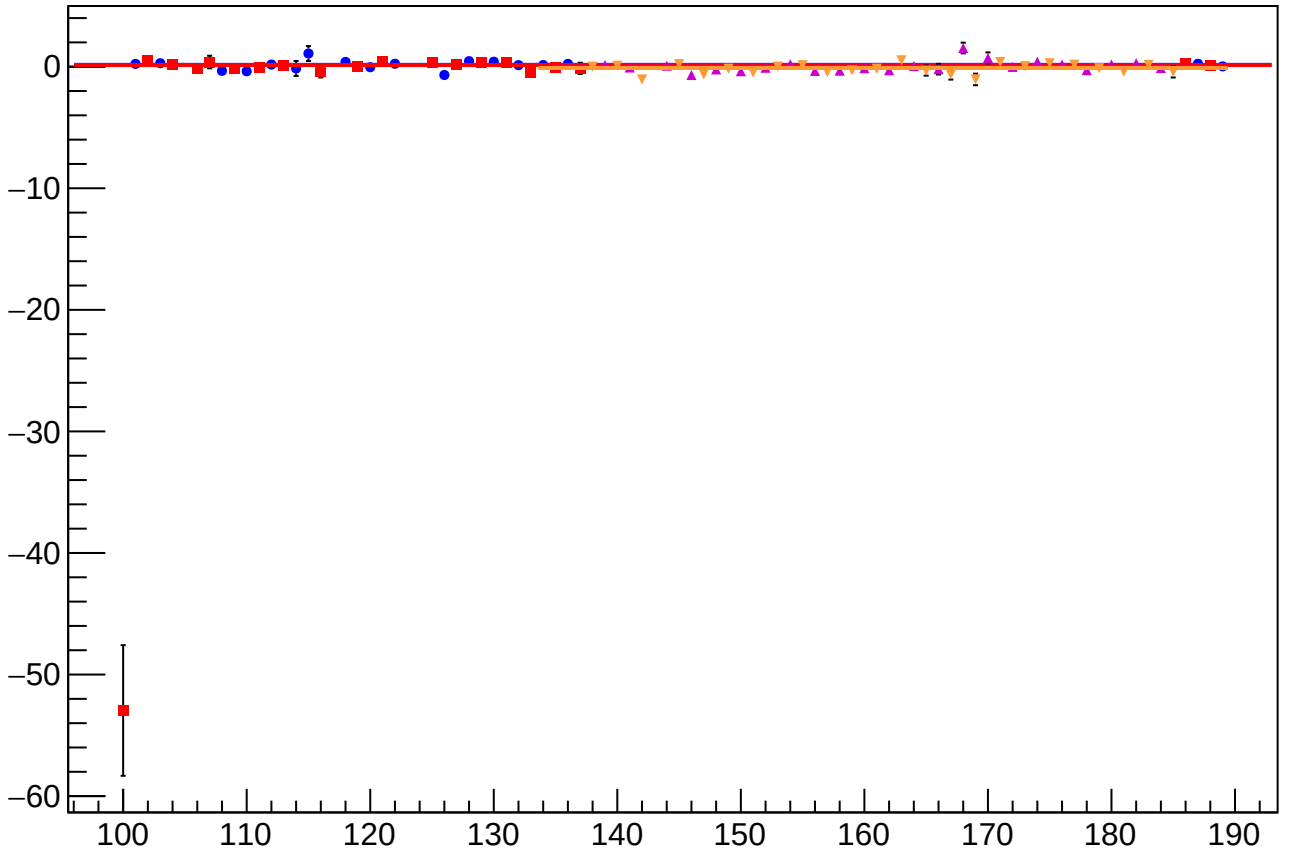
Right: -0.090+/-0.040 χ^2/NDF: 39.4/37

In: -0.002+/-0.043 χ^2/NDF:53.7/40

Out: 0.004+/-0.039 χ^2/NDF:70.3/43

All: 0.002+/-0.029 χ^2/NDF: 124.1/84


reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
18
16
14
12
10
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.013+/-0.068 χ²/NDF: 20.7/17
Left Out: 0.225+/-0.043 χ²/NDF:24.1/23
Right Out: 0.181+/-0.061 χ²/NDF: 19.0/19
Left In: 0.221+/-0.044 χ²/NDF:39.3/22
Left: 0.223+/-0.031 χ²/NDF: 63.4/46
Right: 0.095+/-0.045 χ²/NDF: 44.3/37
In: 0.151+/-0.037 χ²/NDF:68.4/40
Out: 0.210+/-0.035 χ²/NDF:43.5/43
All: 0.182+/-0.026 χ²/NDF: 113.2/84



Right In: 0.153+/-0.065 χ^2/NDF: 16.5/17

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.141+/-0.050 χ^2/NDF: 111.6/19

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

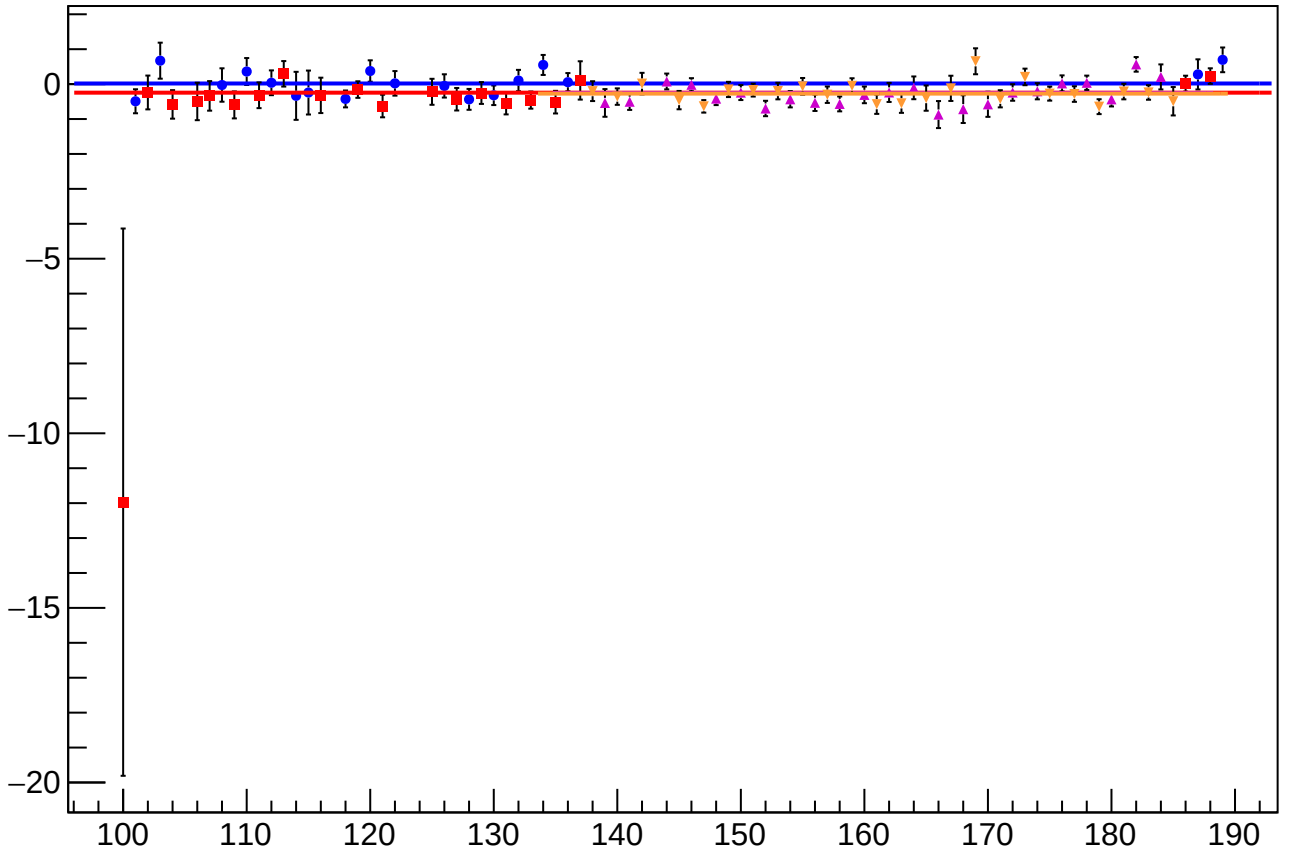
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.145+/-0.040 χ^2/NDF: 128.1/37

In: 0.061+/-0.043 χ^2/NDF:57.9/40

Out: 0.031+/-0.038 χ^2/NDF:159.8/43

All: 0.044+/-0.028 χ^2/NDF: 218.0/84



Right In: 0.018+/-0.080 χ^2/NDF: 21.1/17

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.245+/-0.075 χ^2/NDF: 16.8/19

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

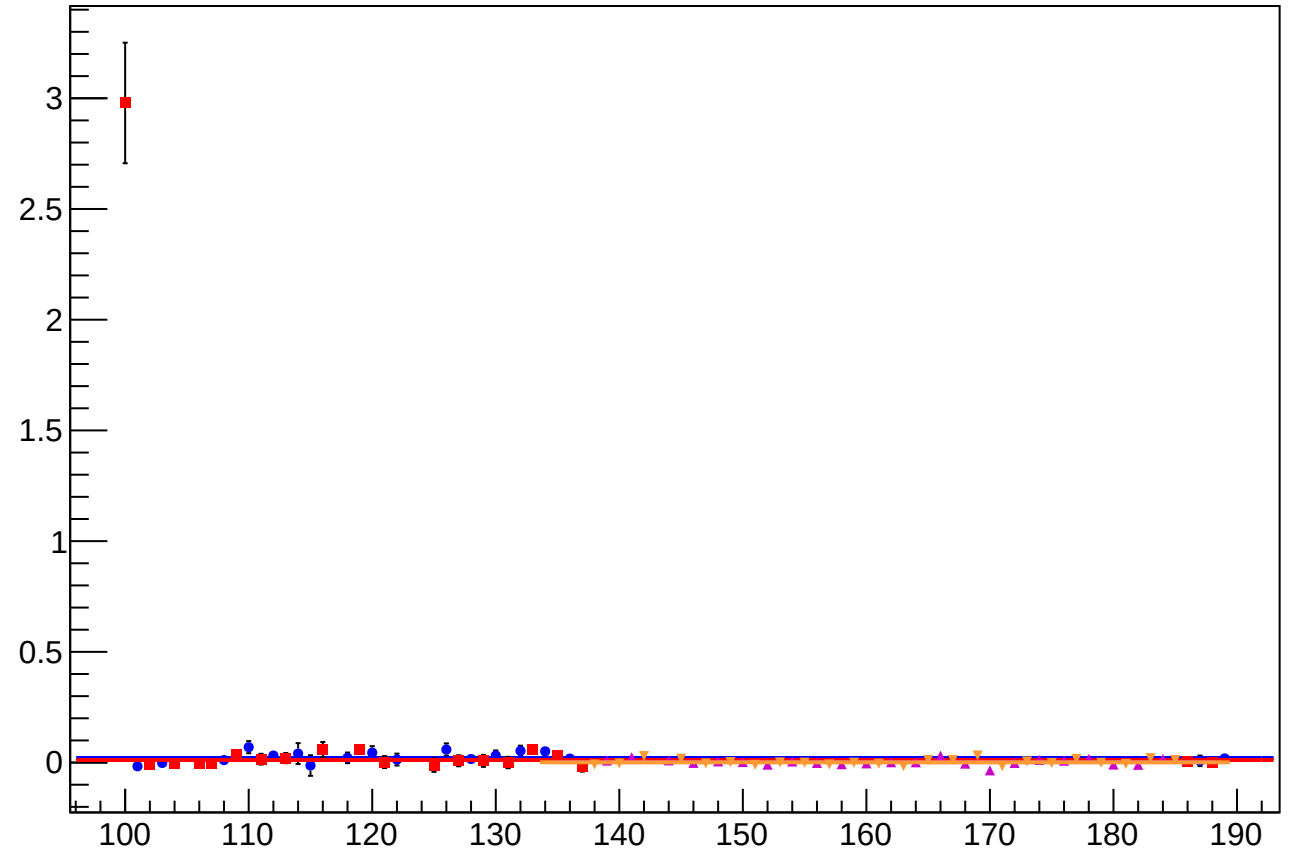
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.123+/-0.055 χ^2/NDF: 43.7/37

In: -0.177+/-0.043 χ^2/NDF:69.9/40

Out: -0.264+/-0.041 χ^2/NDF:41.8/43

All: -0.222+/-0.030 χ^2/NDF: 113.9/84



Right In: 0.021+/-0.005 χ^2/NDF: 22.8/17

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.012+/-0.004 χ^2/NDF: 142.1/19

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

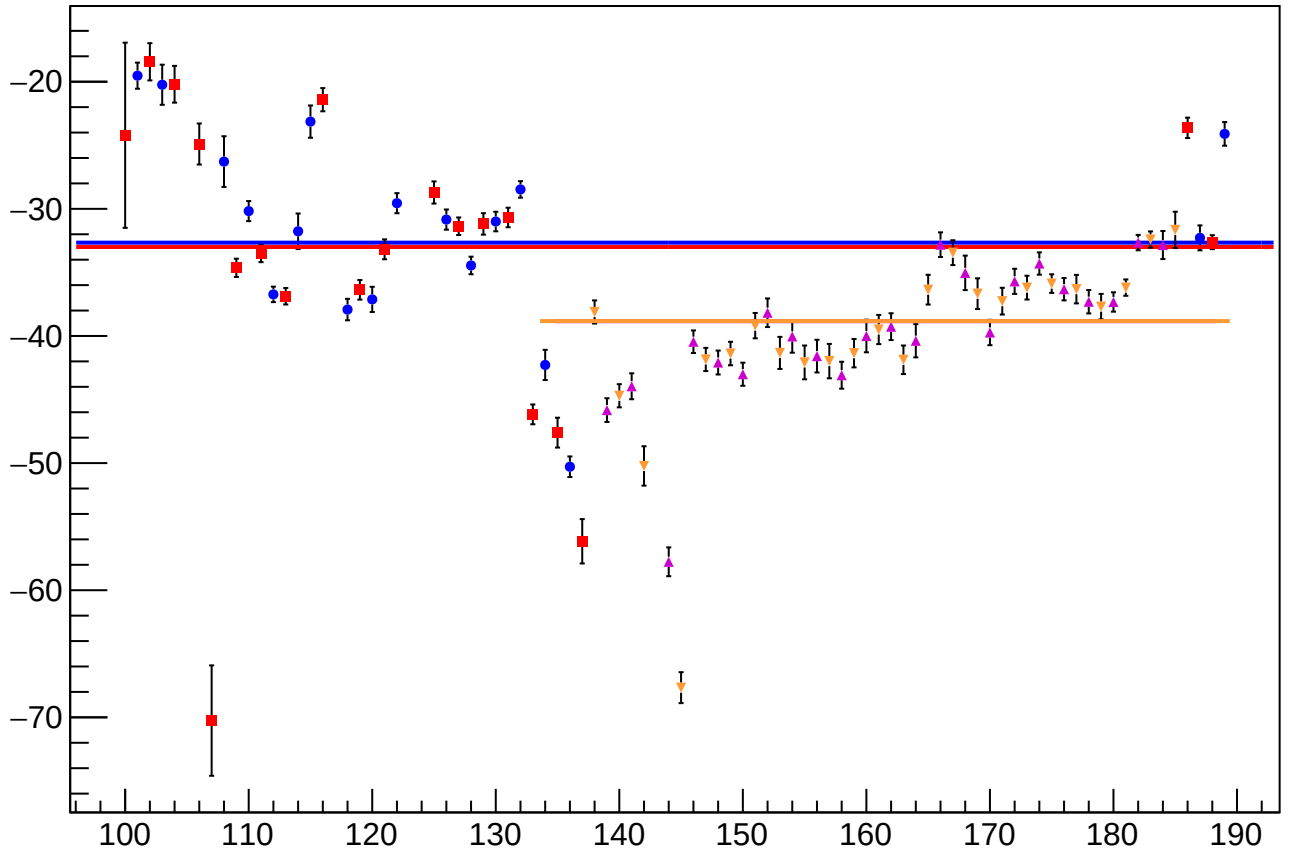
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.016+/-0.003 χ^2/NDF: 167.0/37

In: 0.006+/-0.002 χ^2/NDF:60.6/40

Out: 0.003+/-0.002 χ^2/NDF:173.4/43

All: 0.005+/-0.001 χ^2/NDF: 234.7/84



Right In: -32.659+/-0.207 χ^2/NDF: 1103.8/17

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -32.999+/-0.194 χ^2/NDF: 1297.1/19

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

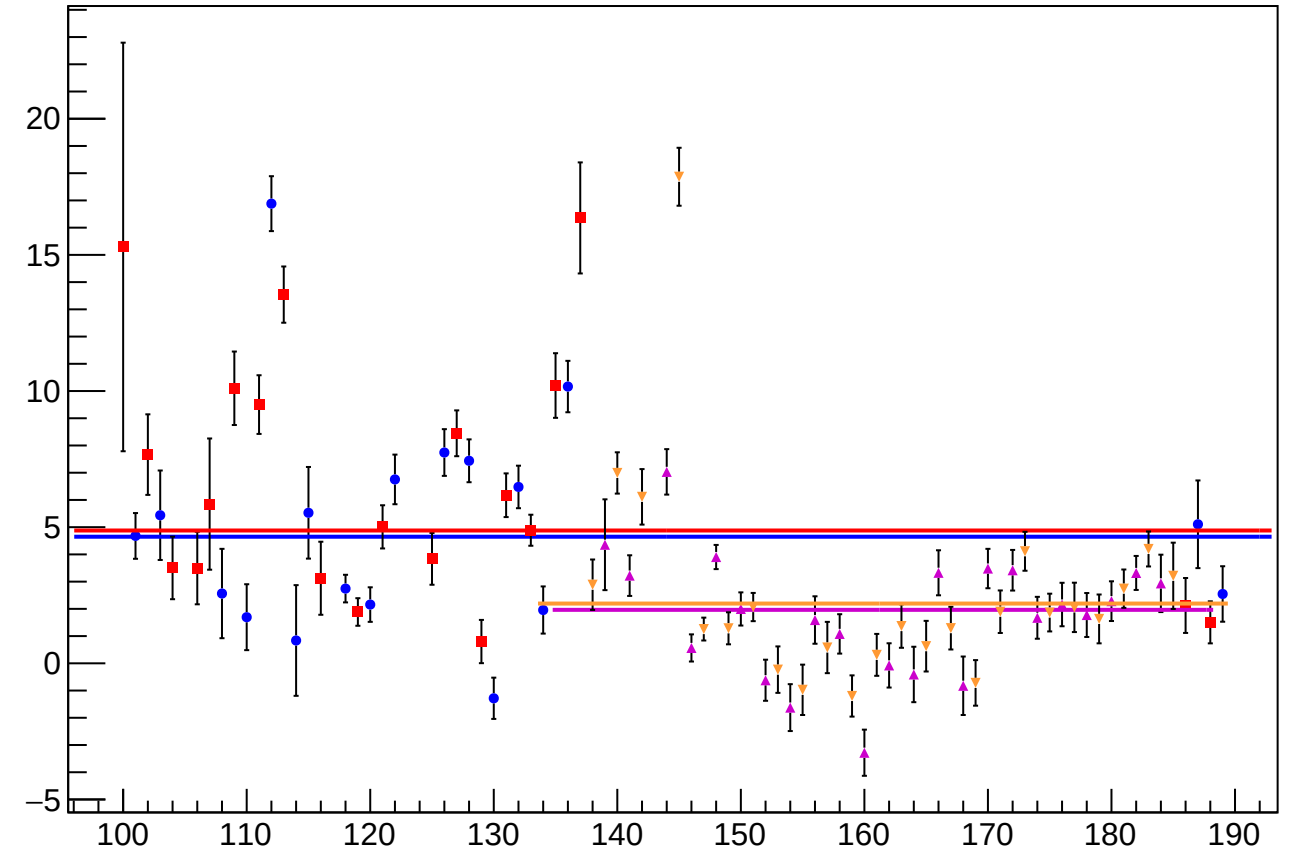
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -32.840+/-0.142 χ^2/NDF: 2402.4/37

In: -35.808+/-0.145 χ^2/NDF:2209.6/40

Out: -35.798+/-0.140 χ^2/NDF:2646.9/43

All: -35.803+/-0.101 χ^2/NDF: 4856.5/84



Right In: 4.650+/-0.212 χ^2/NDF: 334.1/17

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.878+/-0.210 χ^2/NDF: 275.0/19

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

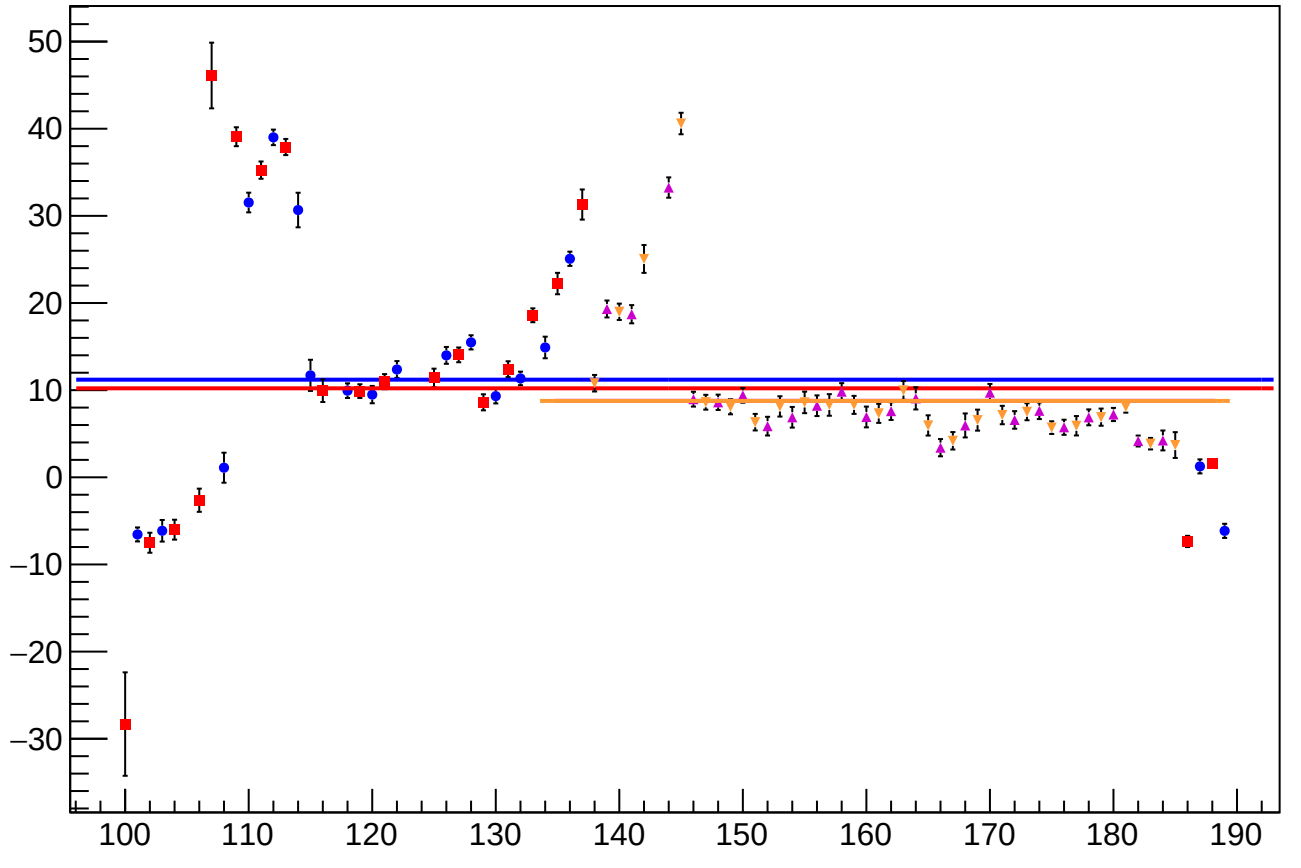
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.765+/-0.149 χ^2/NDF: 609.7/37

In: 2.895+/-0.125 χ^2/NDF:611.7/40

Out: 3.120+/-0.123 χ^2/NDF:747.2/43

All: 3.009+/-0.088 χ^2/NDF: 1360.6/84


reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
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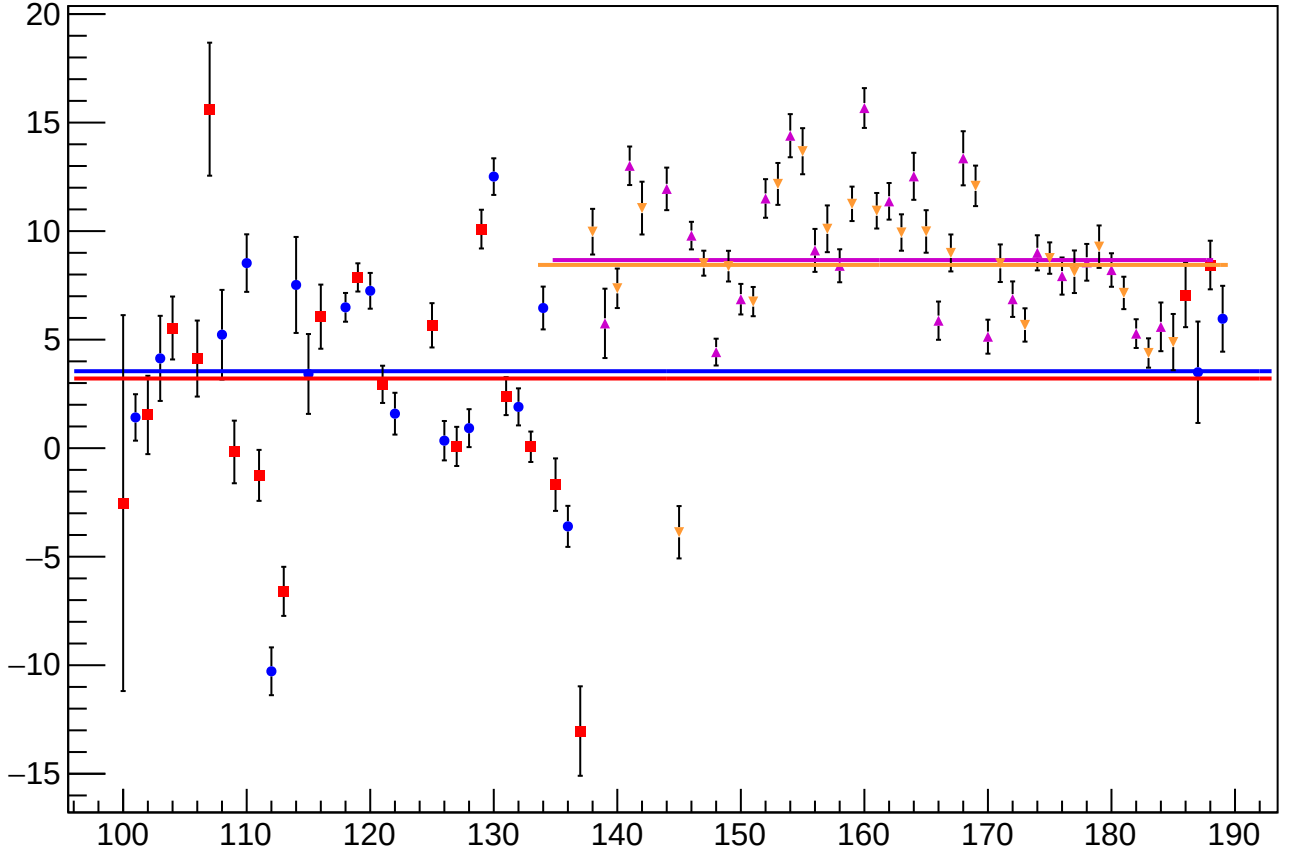
190
Right In: 11.203+/-0.227 χ²/NDF: 3064.4/17
Left Out: 8.766+/-0.200 χ²/NDF:1035.4/23
Right Out: 10.211+/-0.206 χ²/NDF: 4415.9/19
Left In: 8.773+/-0.201 χ²/NDF:795.1/22
Left: 8.769+/-0.142 χ²/NDF: 1830.5/46
Right: 10.661+/-0.153 χ²/NDF: 7490.7/37
In: 9.846+/-0.151 χ²/NDF:3923.7/40
Out: 9.467+/-0.144 χ²/NDF:5476.5/43
All: 9.648+/-0.104 χ²/NDF: 9403.5/84



Right In: 3.546+/-0.249 χ^2/NDF: 430.2/17

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.209+/-0.247 χ^2/NDF: 376.1/19

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

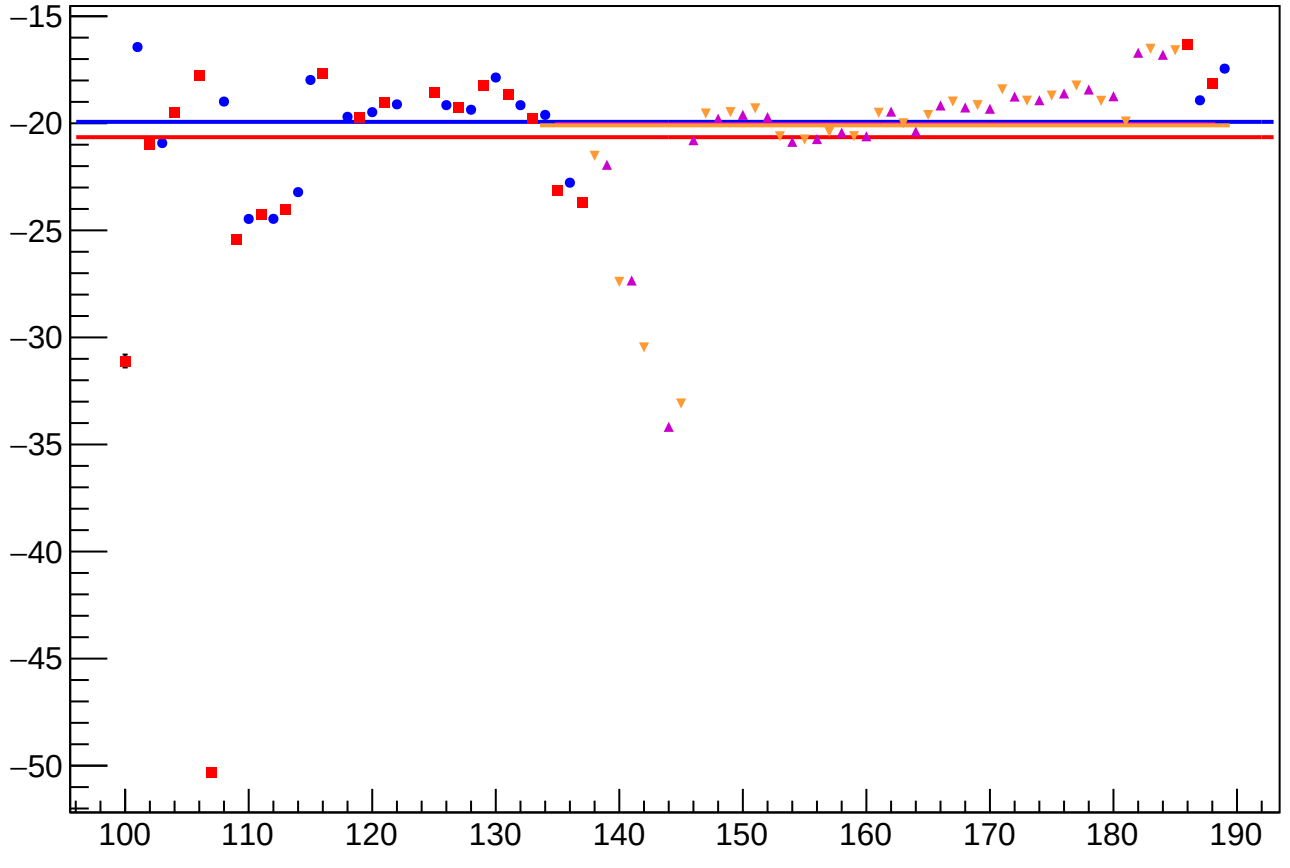
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.377+/-0.175 χ^2/NDF: 807.3/37

In: 6.963+/-0.144 χ^2/NDF:1017.7/40

Out: 6.715+/-0.142 χ^2/NDF:940.6/43

All: 6.837+/-0.101 χ^2/NDF: 1959.8/84



Right In: -19.933+/-0.015 χ^2/NDF: 21835.0/17

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.648+/-0.015 χ^2/NDF: 62318.4/19

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

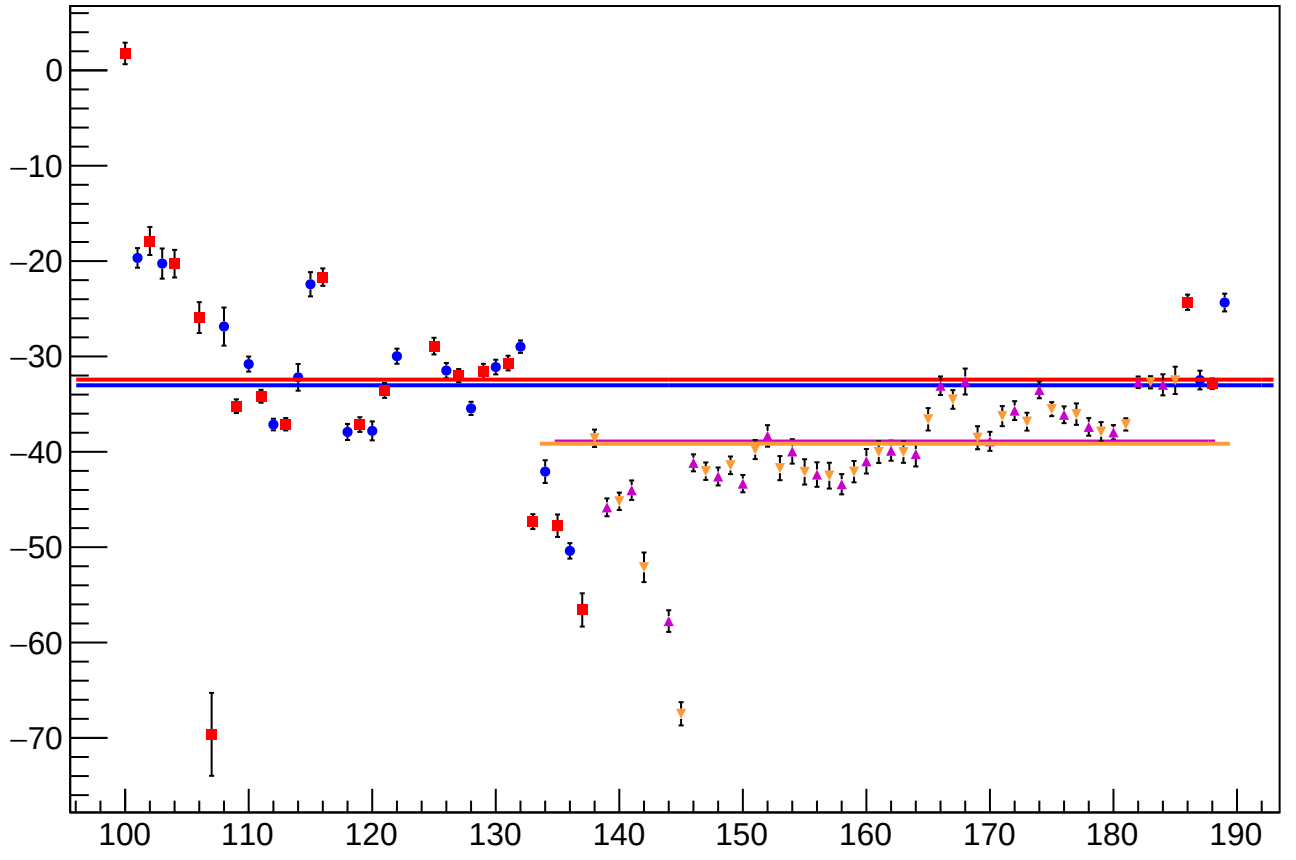
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.288+/-0.011 χ^2/NDF: 85233.9/37

In: -20.015+/-0.007 χ^2/NDF:154163.5/40

Out: -20.211+/-0.007 χ^2/NDF:222623.9/43

All: -20.113+/-0.005 χ^2/NDF: 377173.6/84


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
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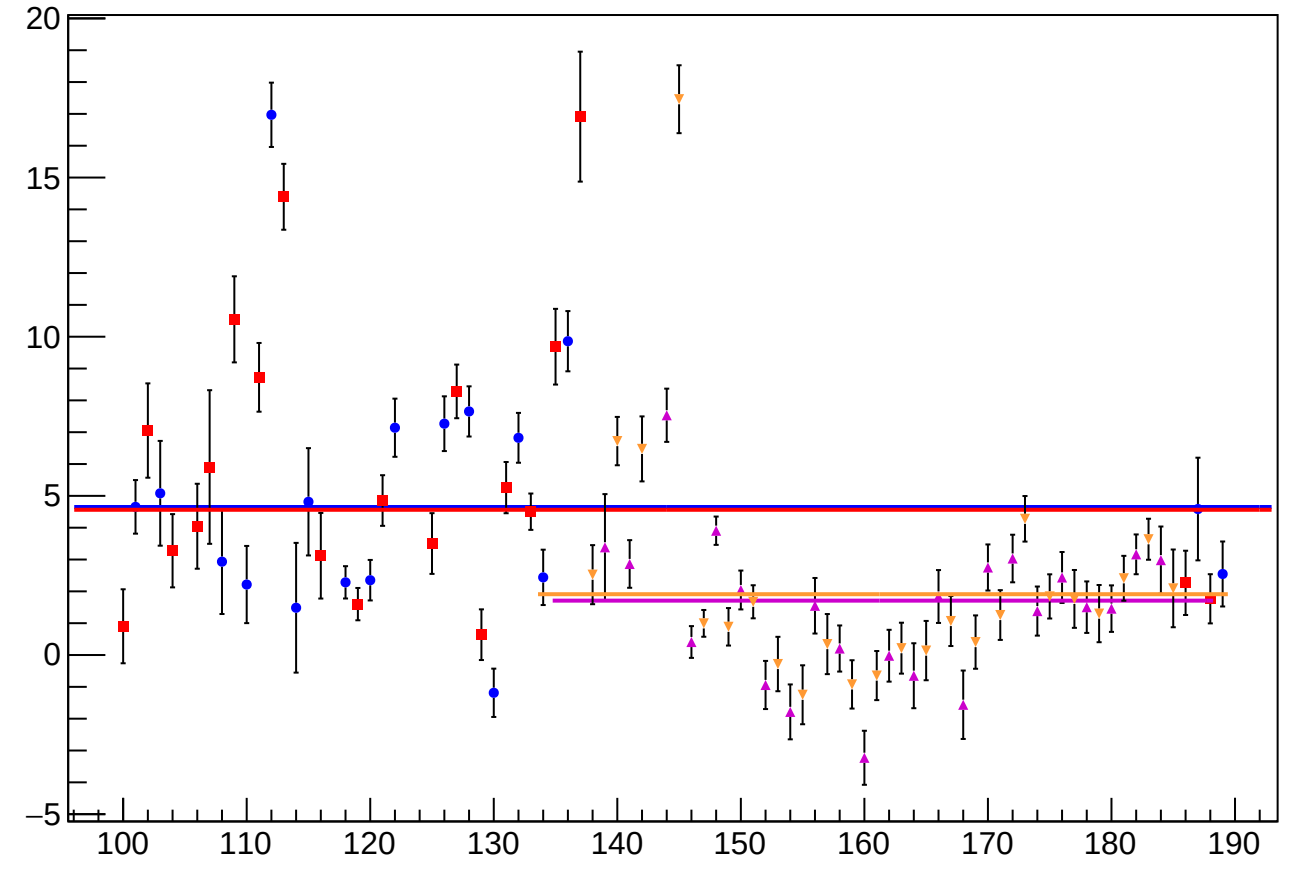
140
150
160
170
180
190
Right In: -33.024+/-0.208 χ²/NDF: 1101.1/17
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -32.430+/-0.192 χ²/NDF: 2278.5/19
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -32.703+/-0.141 χ²/NDF: 3383.9/37
In: -36.031+/-0.146 χ²/NDF:2195.9/40
Out: -35.607+/-0.139 χ²/NDF:3757.7/43
All: -35.810+/-0.101 χ²/NDF: 5958.0/84



Right In: 4.650+/-0.213 χ^2/NDF: 330.2/17

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.563+/-0.207 χ^2/NDF: 293.7/19

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

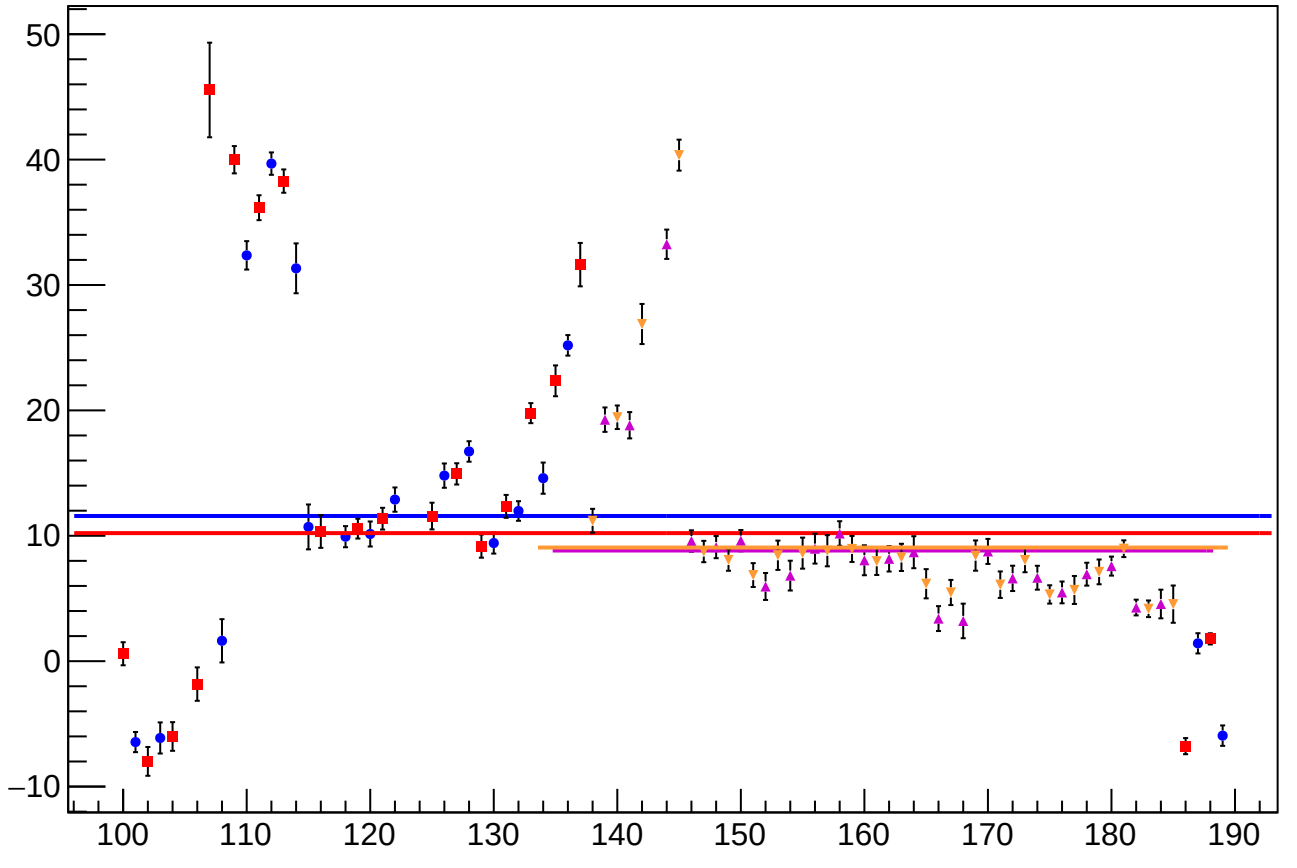
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.605+/-0.148 χ^2/NDF: 623.9/37

In: 2.728+/-0.125 χ^2/NDF:637.5/40

Out: 2.843+/-0.123 χ^2/NDF:759.4/43

All: 2.787+/-0.088 χ^2/NDF: 1397.3/84



Right In: 11.579+/-0.227 χ^2/NDF: 3132.0/17

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 10.212+/-0.202 χ^2/NDF: 4566.5/19

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

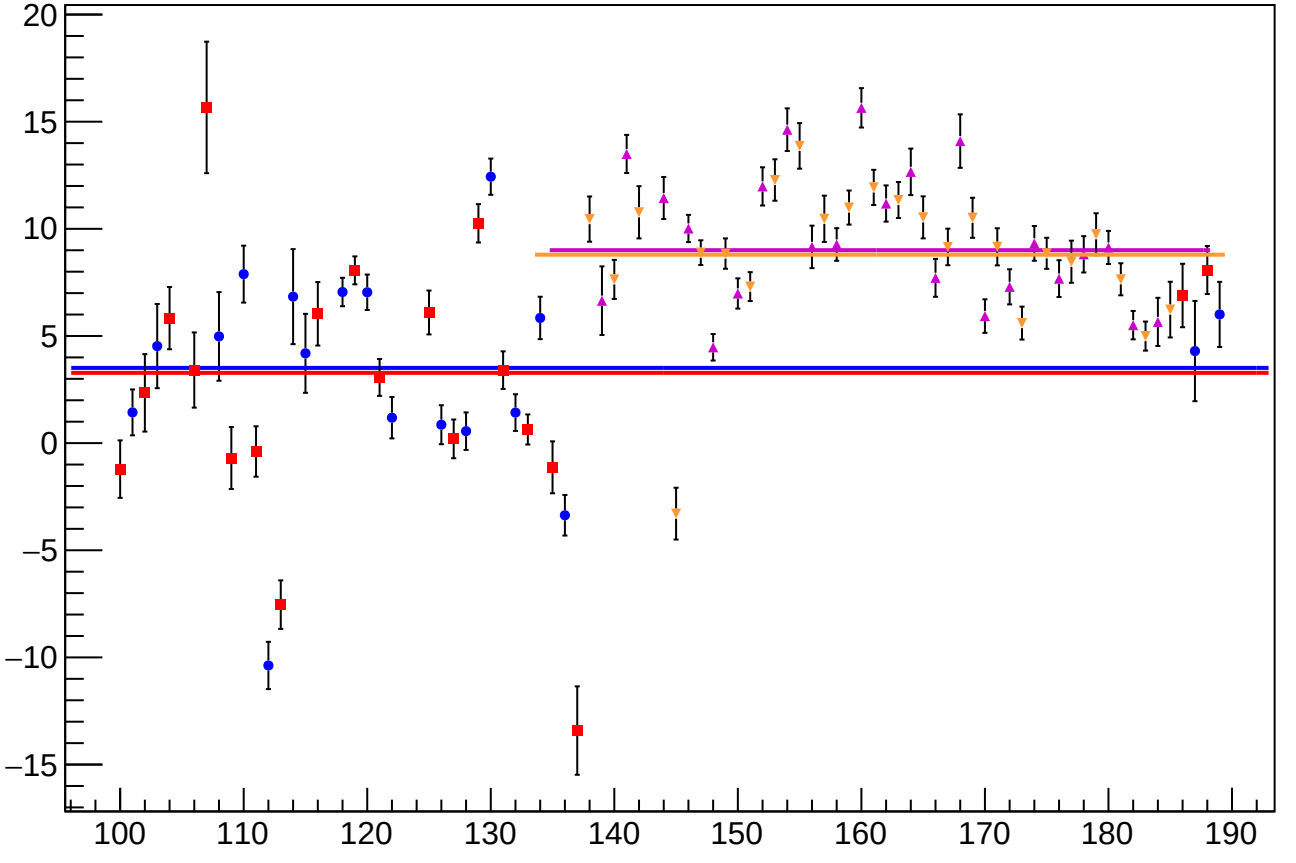
Right: 10.816+/-0.151 χ^2/NDF: 7718.7/37

In: 10.041+/-0.151 χ^2/NDF:4015.5/40

Out: 9.634+/-0.142 χ^2/NDF:5616.3/43

All: 9.826+/-0.104 χ^2/NDF: 9635.7/84

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.511+/-0.249 χ^2/NDF: 426.9/17

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.280+/-0.244 χ^2/NDF: 393.9/19

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

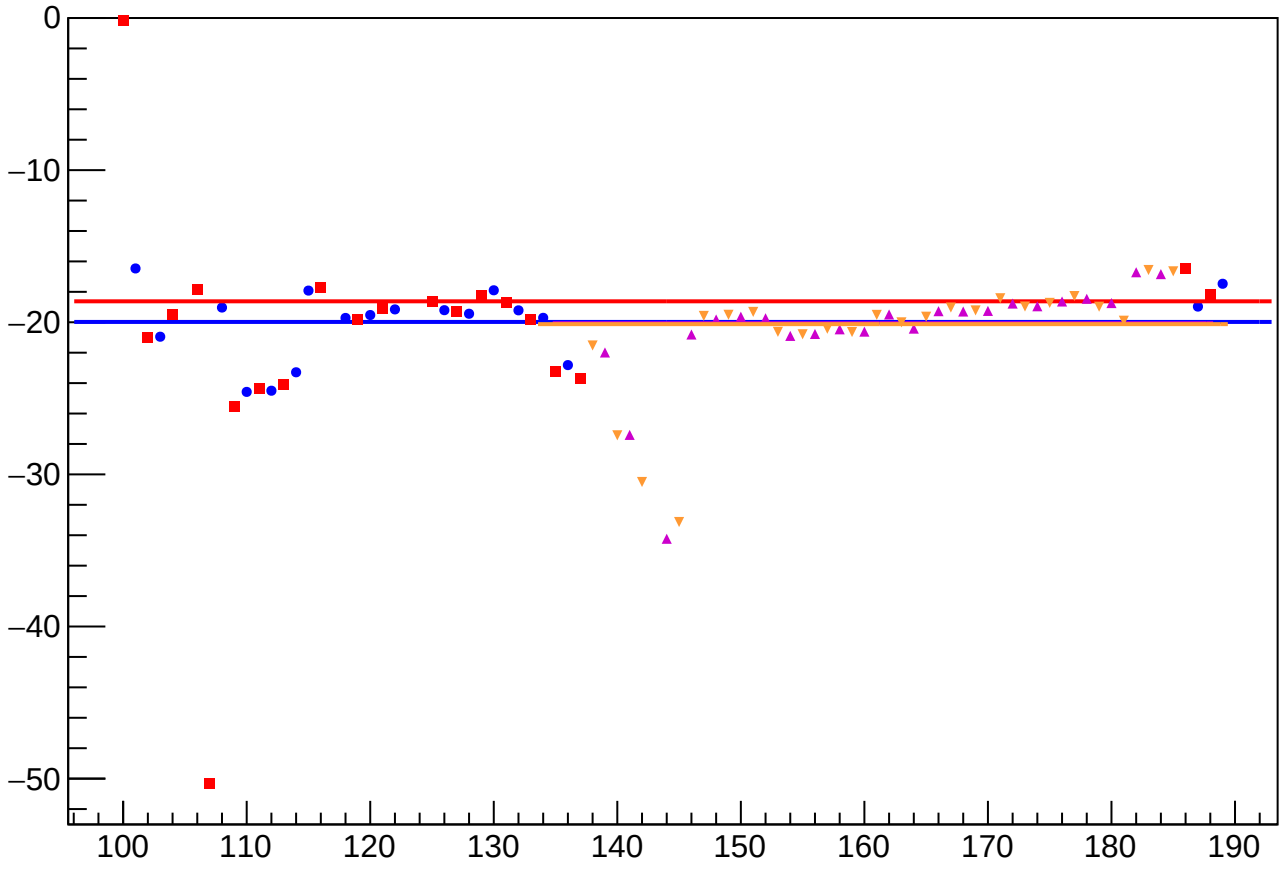
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.393+/-0.174 χ^2/NDF: 821.2/37

In: 7.177+/-0.144 χ^2/NDF:1040.5/40

Out: 6.933+/-0.142 χ^2/NDF:977.1/43

All: 7.053+/-0.101 χ^2/NDF: 2019.1/84



Right In: -19.978+/-0.015 χ^2/NDF: 21890.2/17

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.623+/-0.015 χ^2/NDF: 235222.5/19

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

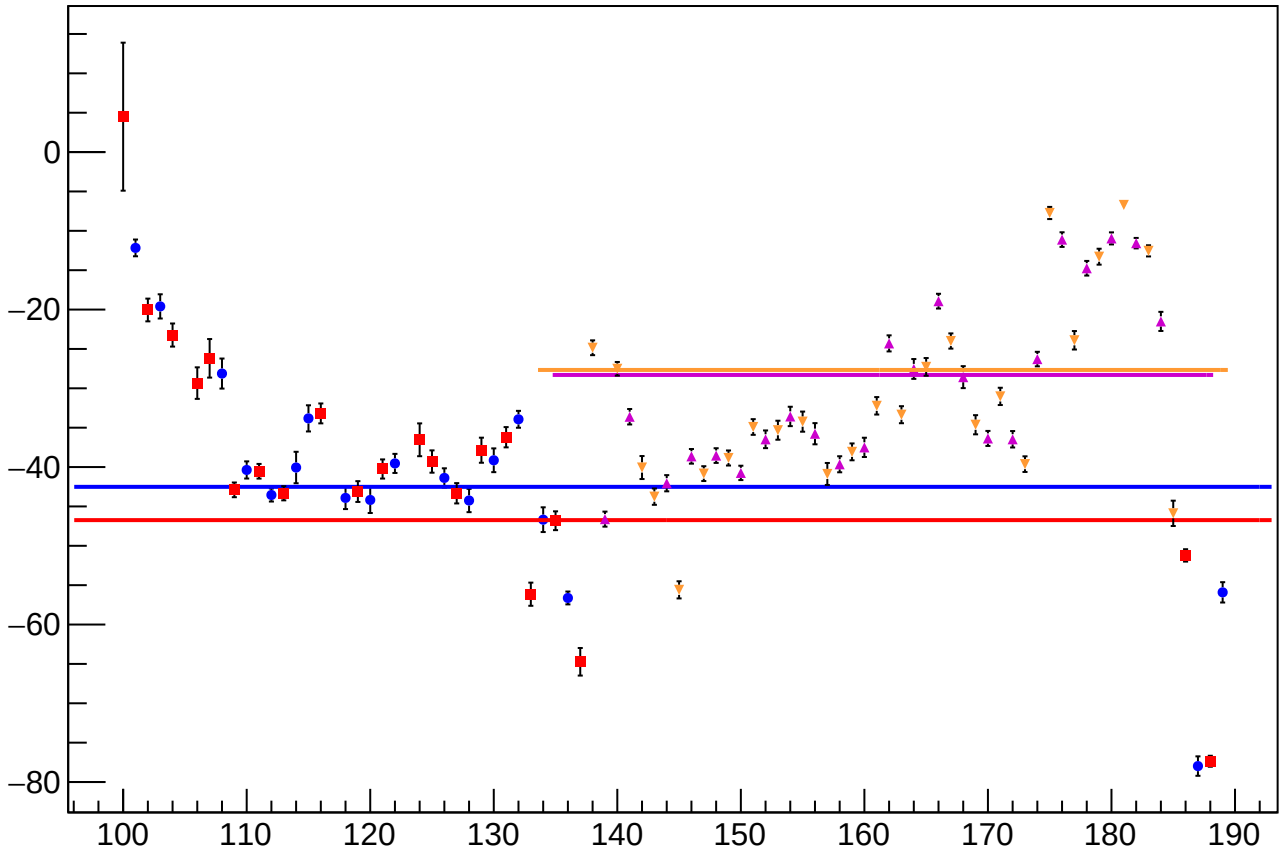
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.271+/-0.011 χ^2/NDF: 261169.9/37

In: -20.045+/-0.007 χ^2/NDF:154604.2/40

Out: -19.785+/-0.007 χ^2/NDF:401861.1/43

All: -19.914+/-0.005 χ^2/NDF: 557155.7/84



Right In: -42.513+/-0.293 χ^2/NDF: 2444.0/17

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -46.739+/-0.265 χ^2/NDF: 3272.7/20

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

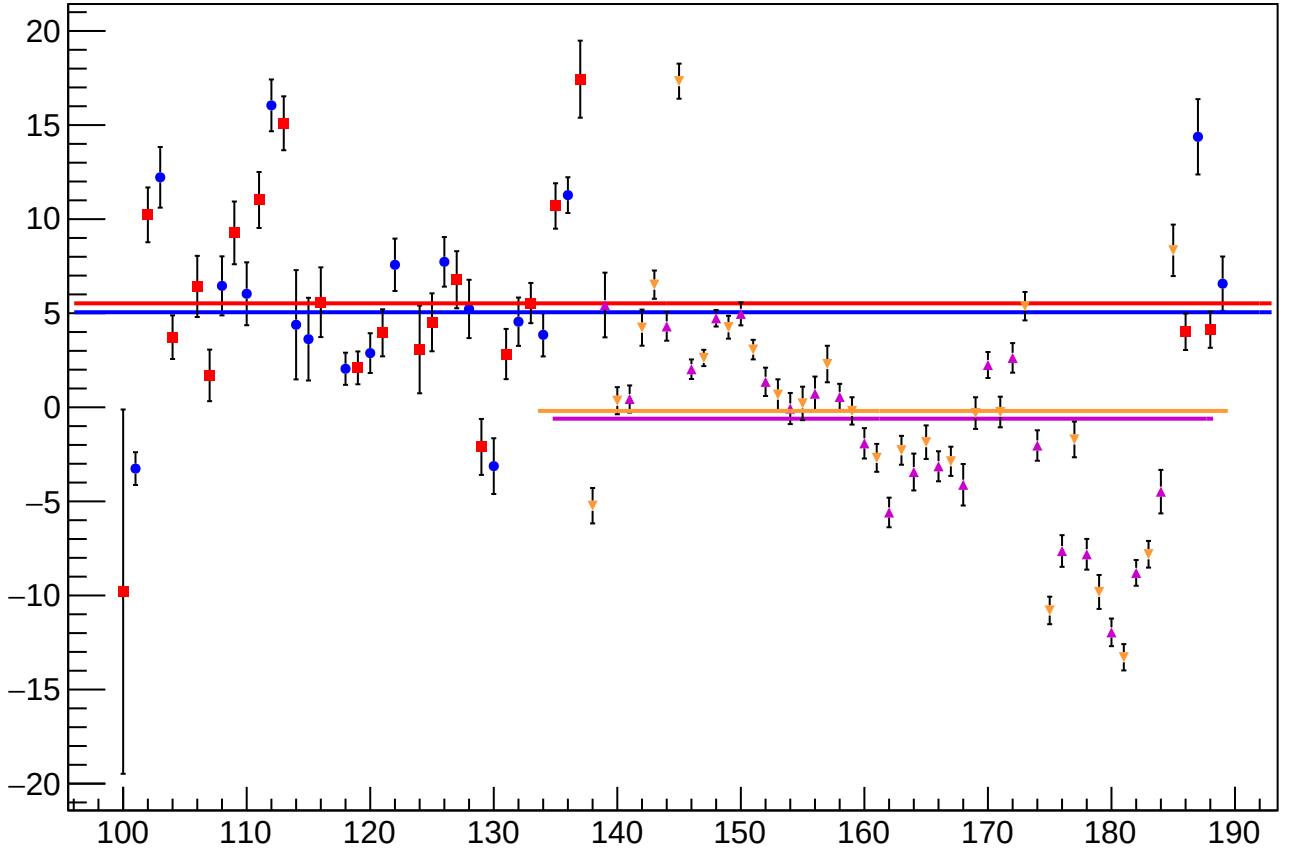
Right: -44.844+/-0.196 χ^2/NDF: 5831.2/38

In: -32.988+/-0.168 χ^2/NDF:7290.0/40

Out: -34.624+/-0.160 χ^2/NDF:10970.8/45

All: -33.849+/-0.116 χ^2/NDF: 18310.5/86

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.052+/-0.305 χ^2/NDF: 297.6/17

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.525+/-0.293 χ^2/NDF: 193.2/20

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

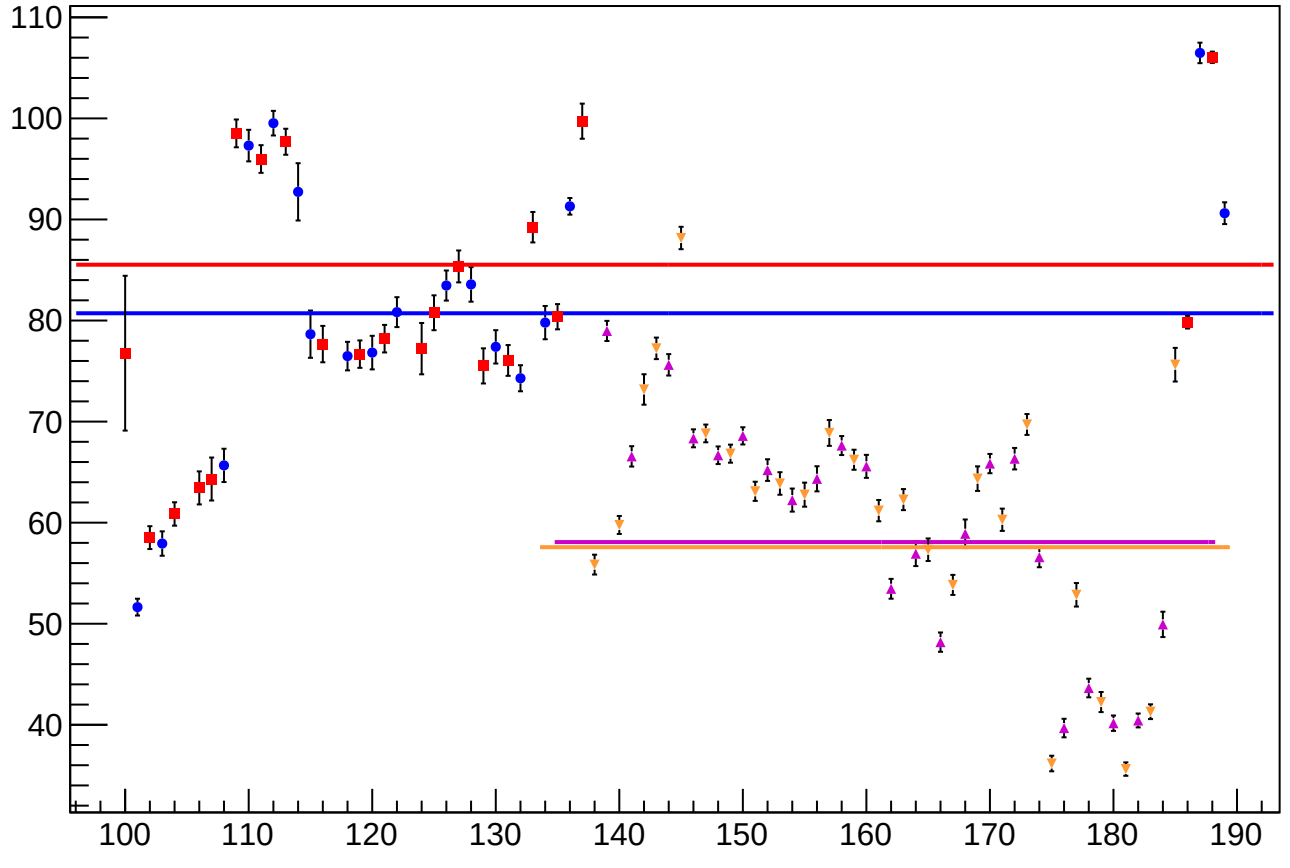
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.298+/-0.211 χ^2/NDF: 492.0/38

In: 0.558+/-0.138 χ^2/NDF:1545.4/40

Out: 0.999+/-0.134 χ^2/NDF:2040.9/45

All: 0.786+/-0.096 χ^2/NDF: 3591.5/86



Right In: 80.719+/-0.306 χ^2/NDF: 2973.6/17

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 85.523+/-0.267 χ^2/NDF: 3247.3/20

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

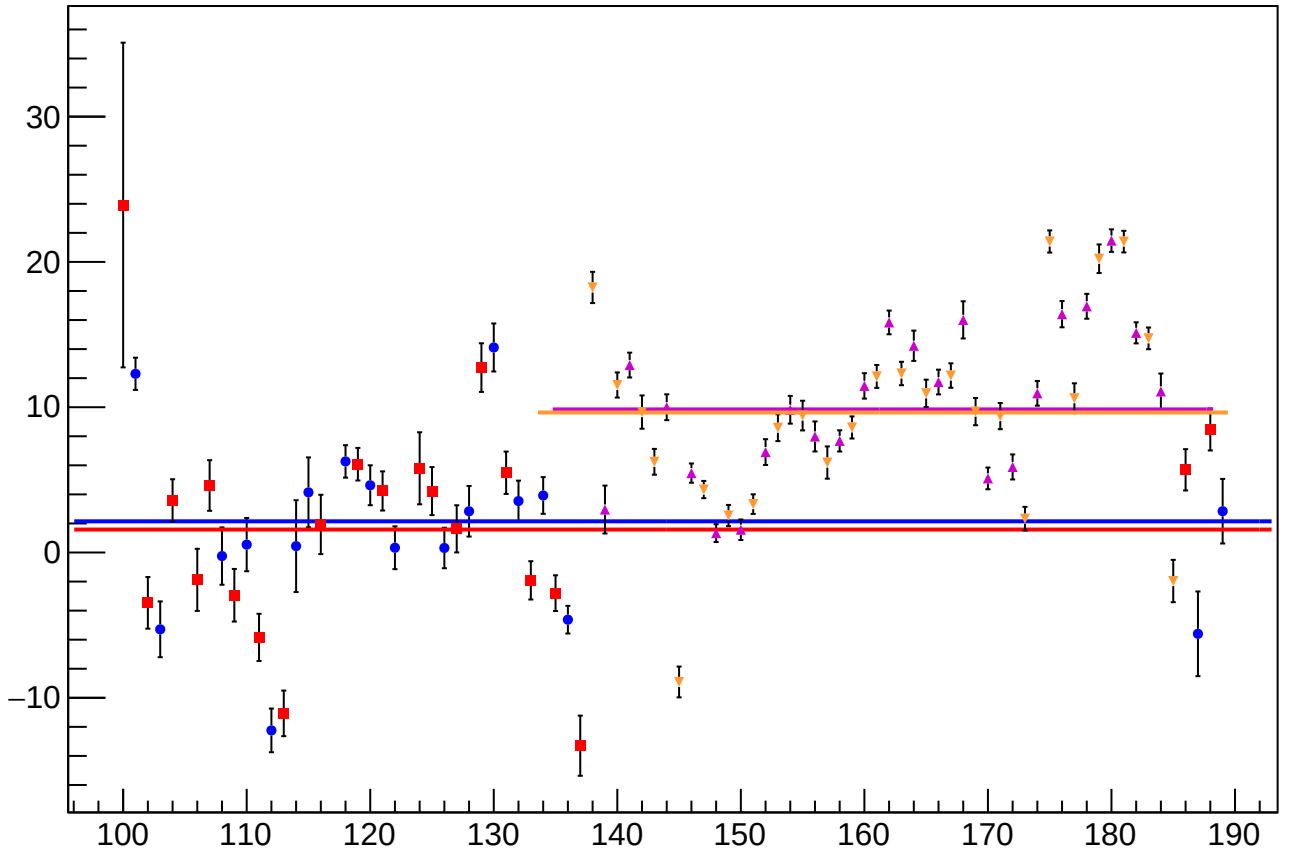
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 83.448+/-0.201 χ^2/NDF: 6360.5/38

In: 65.005+/-0.170 χ^2/NDF:10319.3/40

Out: 67.543+/-0.160 χ^2/NDF:14971.0/45

All: 66.350+/-0.116 χ^2/NDF: 25409.1/86


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
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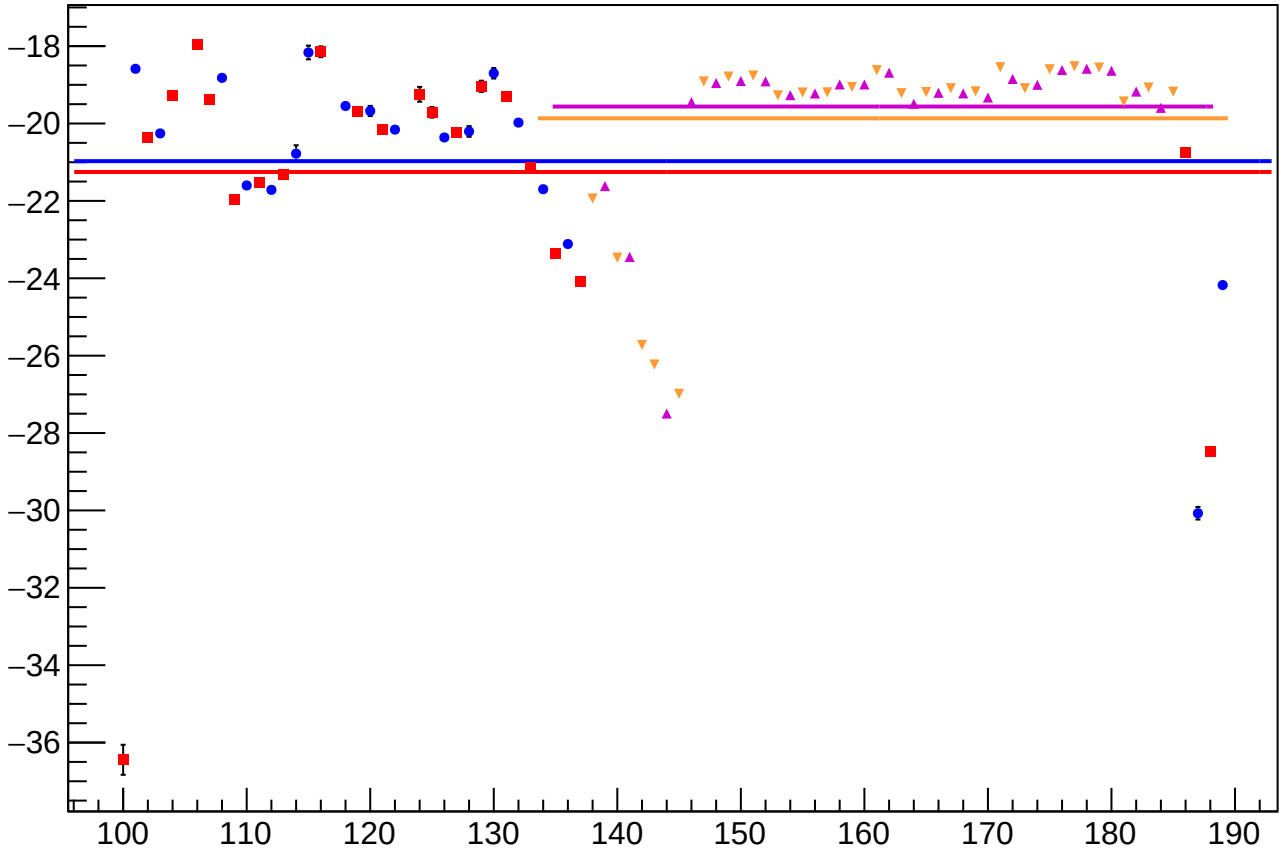
Right In: 2.147+/-0.356 χ²/NDF: 326.8/17
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 1.580+/-0.349 χ²/NDF: 291.3/20
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 1.858+/-0.249 χ²/NDF: 619.5/38
In: 8.330+/-0.158 χ²/NDF:1696.4/40
Out: 8.072+/-0.154 χ²/NDF:2211.7/45
All: 8.197+/-0.110 χ²/NDF: 3909.4/86

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.973+/-0.019 χ^2/NDF: 11841.5/17

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.253+/-0.019 χ^2/NDF: 18743.9/20

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

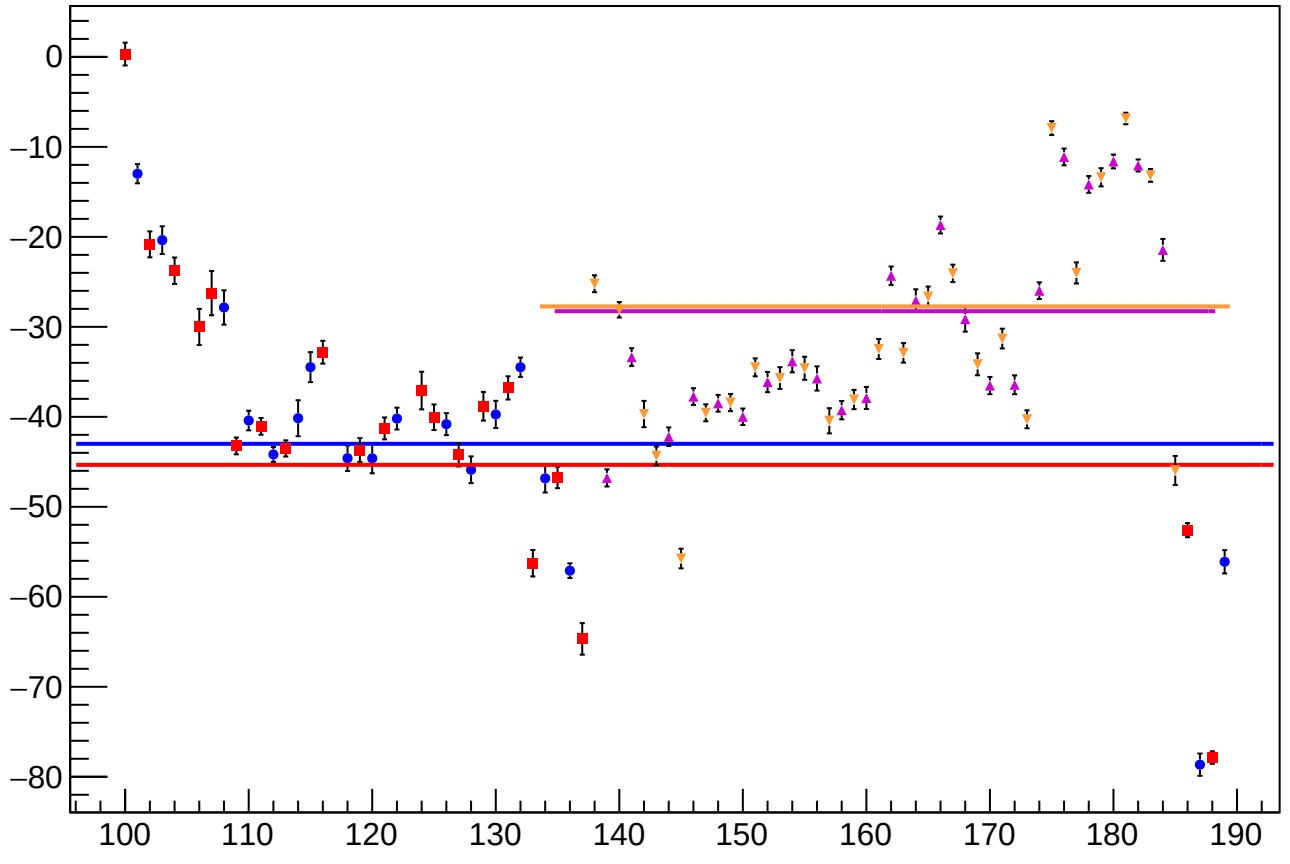
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -21.111+/-0.013 χ^2/NDF: 30693.1/38

In: -19.773+/-0.007 χ^2/NDF:61721.8/40

Out: -20.065+/-0.007 χ^2/NDF:102111.7/45

All: -19.920+/-0.005 χ^2/NDF: 164636.5/86


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
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−70
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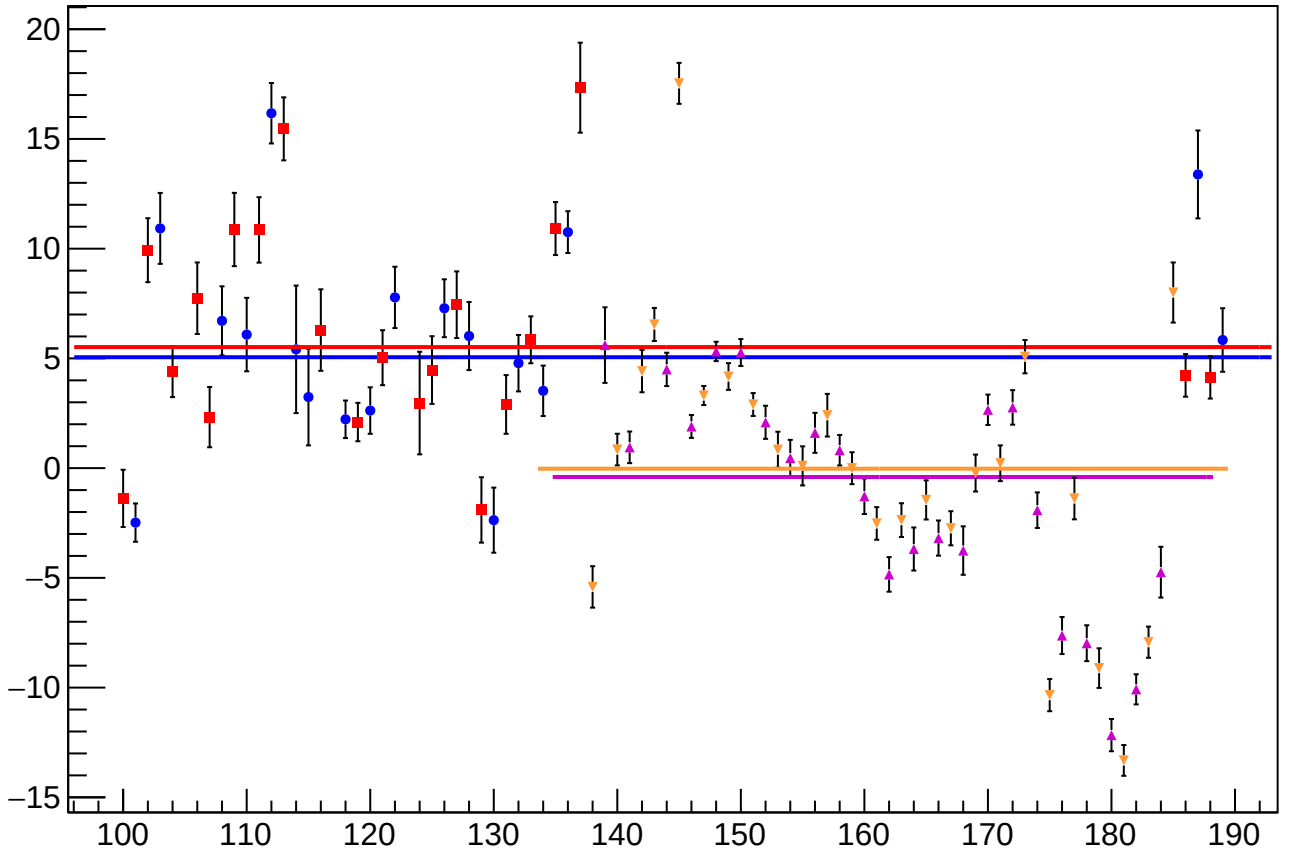
120
130
140
150
160
170
180
190
Right In: -42.998+/-0.294 χ²/NDF: 2427.8/17
Left Out: -27.729+/-0.201 χ²/NDF:4299.7/24
Right Out: -45.337+/-0.259 χ²/NDF: 4592.8/20
Left In: -28.260+/-0.206 χ²/NDF:3172.7/22
Left: -27.988+/-0.144 χ²/NDF: 7475.8/47
Right: -44.312+/-0.194 χ²/NDF: 7056.2/38
In: -33.123+/-0.169 χ²/NDF:7286.3/40
Out: -34.324+/-0.159 χ²/NDF:11773.6/45
All: -33.760+/-0.116 χ²/NDF: 19086.8/86



Right In: 5.054+/-0.305 χ^2/NDF: 258.7/17

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.516+/-0.286 χ^2/NDF: 221.1/20

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

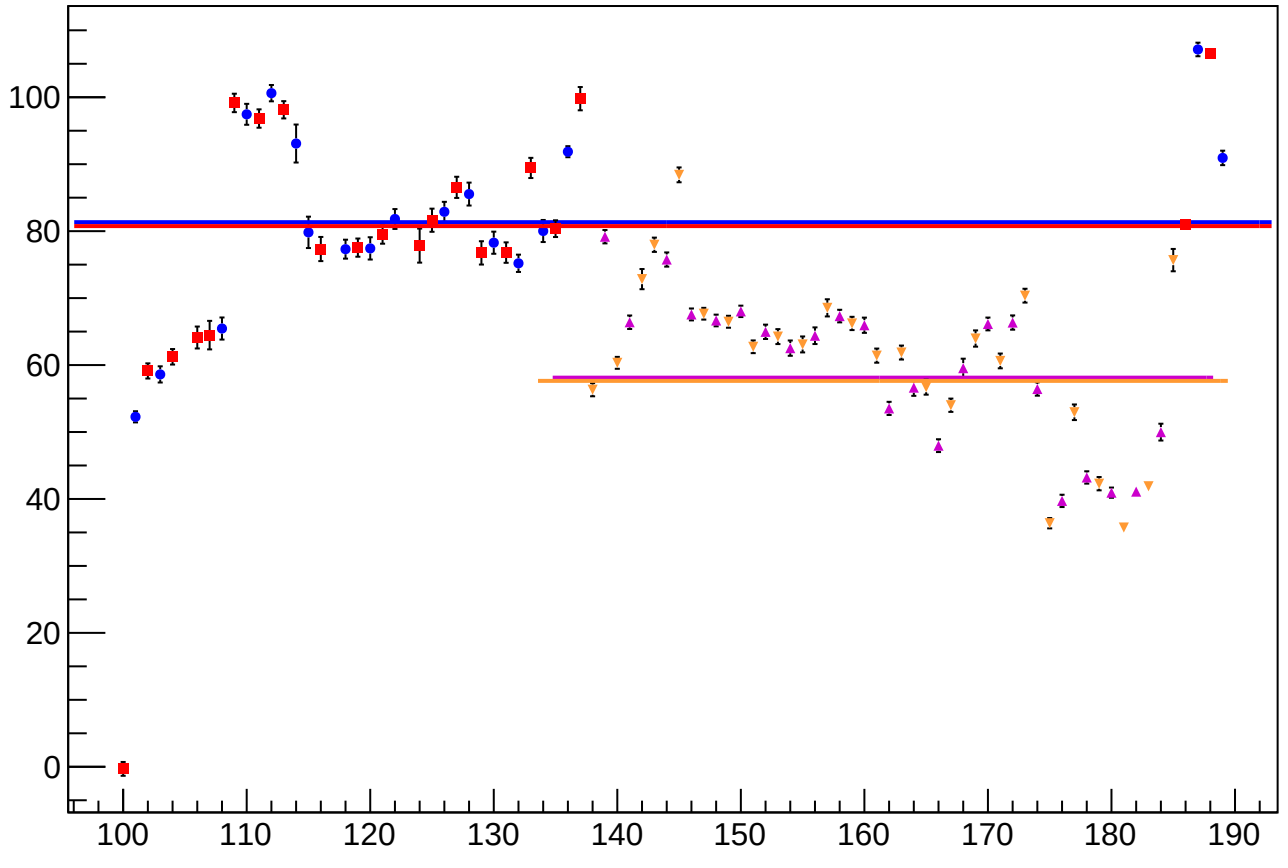
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.300+/-0.209 χ^2/NDF: 481.0/38

In: 0.718+/-0.139 χ^2/NDF:1596.3/40

Out: 1.173+/-0.133 χ^2/NDF:2047.1/45

All: 0.955+/-0.096 χ^2/NDF: 3649.0/86



Right In: 81.341+/-0.307 χ^2/NDF: 2969.3/17

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 80.755+/-0.259 χ^2/NDF: 9774.3/20

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

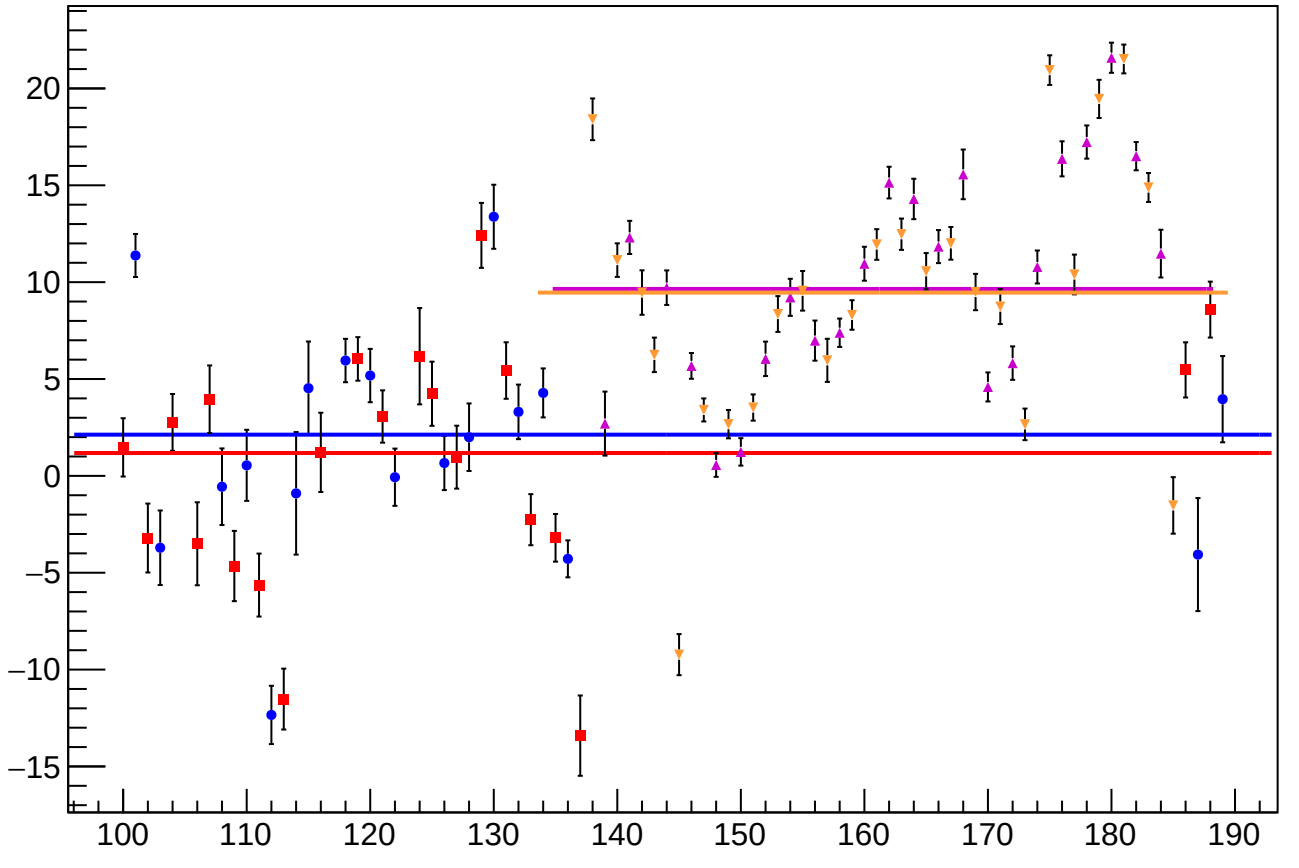
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 80.999+/-0.198 χ^2/NDF: 12745.7/38

In: 65.225+/-0.170 χ^2/NDF:10385.5/40

Out: 66.225+/-0.158 χ^2/NDF:19386.5/45

All: 65.761+/-0.116 χ^2/NDF: 29790.7/86



Right In: 2.128+/-0.356 χ^2/NDF: 295.5/17

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.180+/-0.341 χ^2/NDF: 293.7/20

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

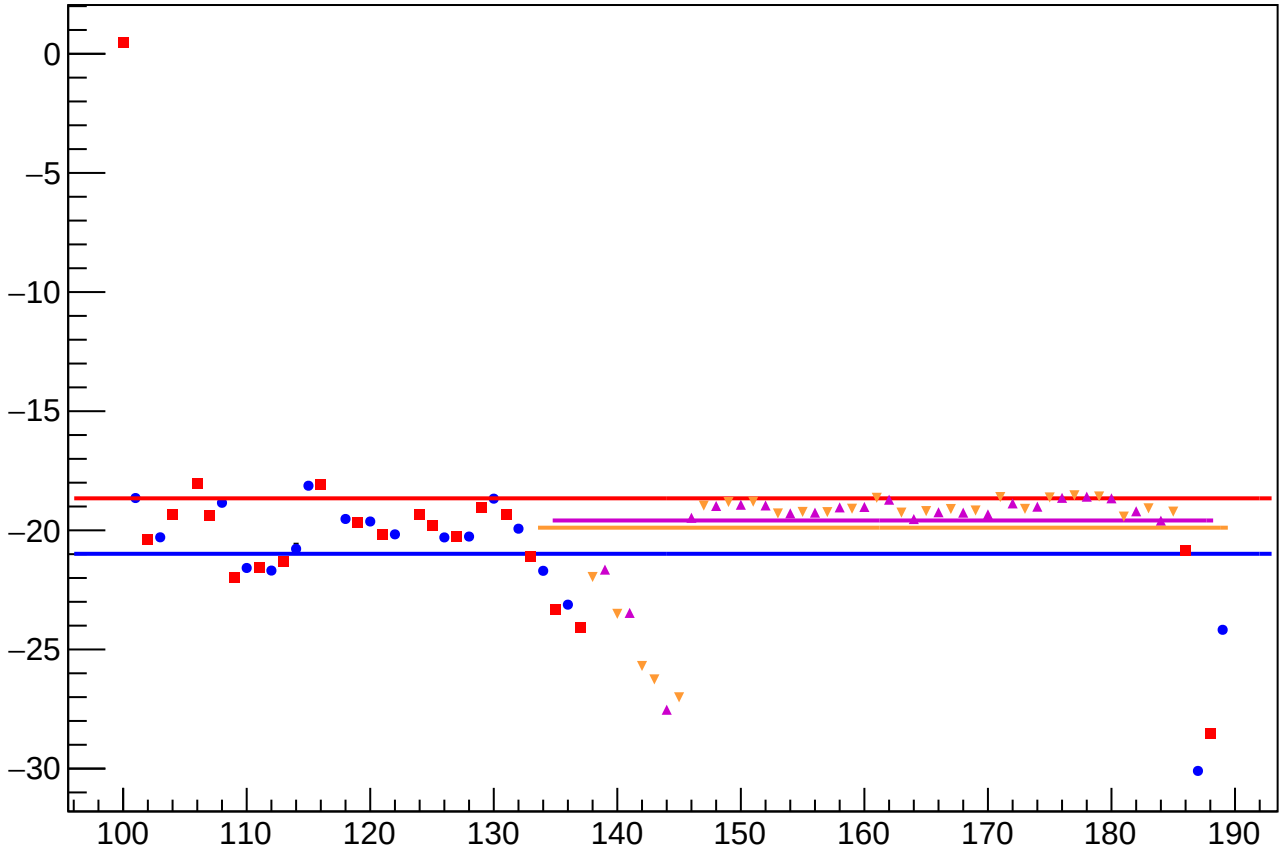
Right: 1.633+/-0.246 χ^2/NDF: 592.9/38

In: 8.165+/-0.158 χ^2/NDF:1732.1/40

Out: 7.786+/-0.153 χ^2/NDF:2247.7/45

All: 7.970+/-0.110 χ^2/NDF: 3982.7/86

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.985+/-0.019 χ^2/NDF: 11713.1/17

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.657+/-0.018 χ^2/NDF: 168554.8/20

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

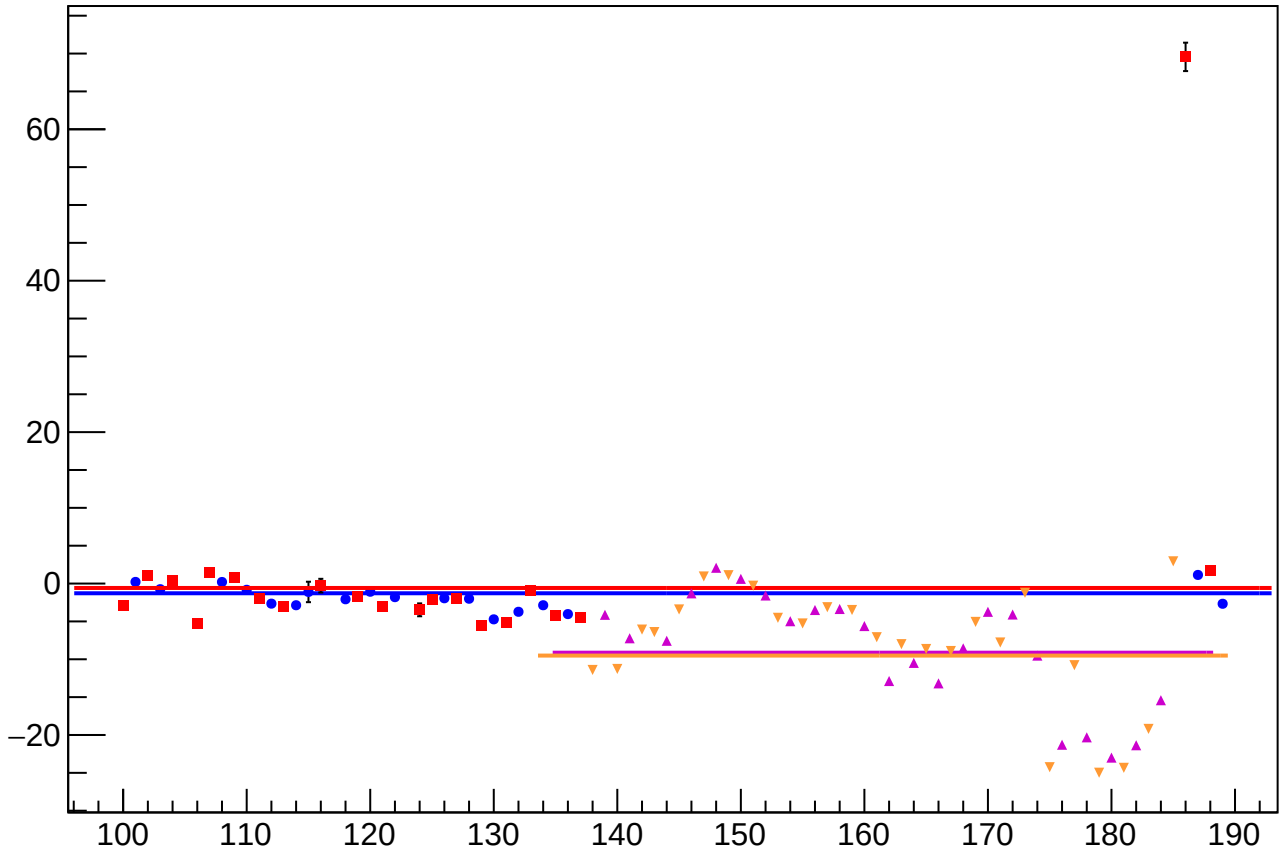
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.762+/-0.013 χ^2/NDF: 188160.5/38

In: -19.796+/-0.007 χ^2/NDF:61408.2/40

Out: -19.692+/-0.007 χ^2/NDF:250980.0/45

All: -19.743+/-0.005 χ^2/NDF: 312489.8/86



Right In: -1.282+/-0.054 χ^2/NDF: 646.1/17

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.582+/-0.049 χ^2/NDF: 2976.5/20

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

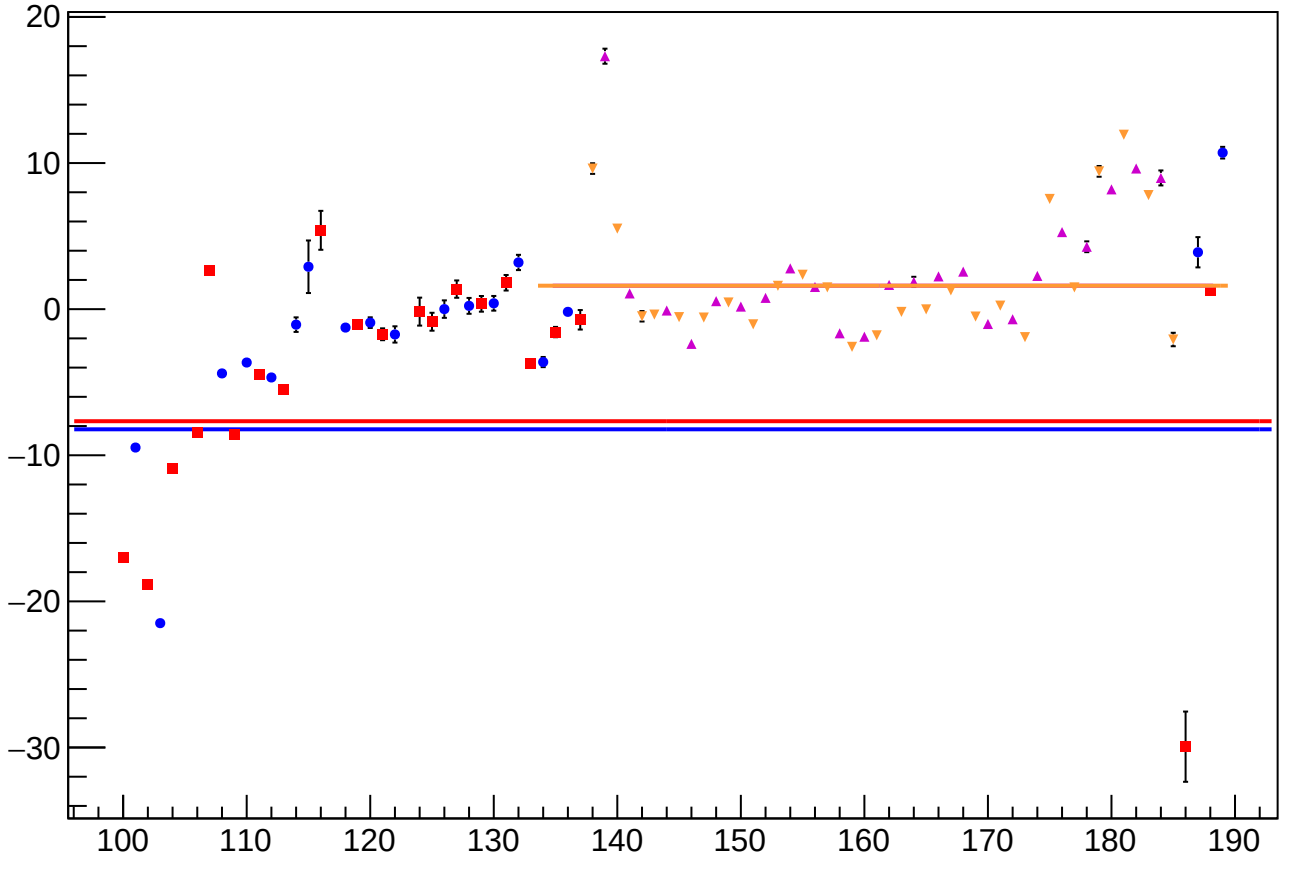
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -0.900+/-0.036 χ^2/NDF: 3715.2/38

In: -3.955+/-0.044 χ^2/NDF:18303.7/40

Out: -3.379+/-0.041 χ^2/NDF:26273.1/45

All: -3.647+/-0.030 χ^2/NDF: 44669.9/86



Right In: -8.223+/-0.056 χ^2/NDF: 16269.0/17

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -7.669+/-0.056 χ^2/NDF: 15662.2/20

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

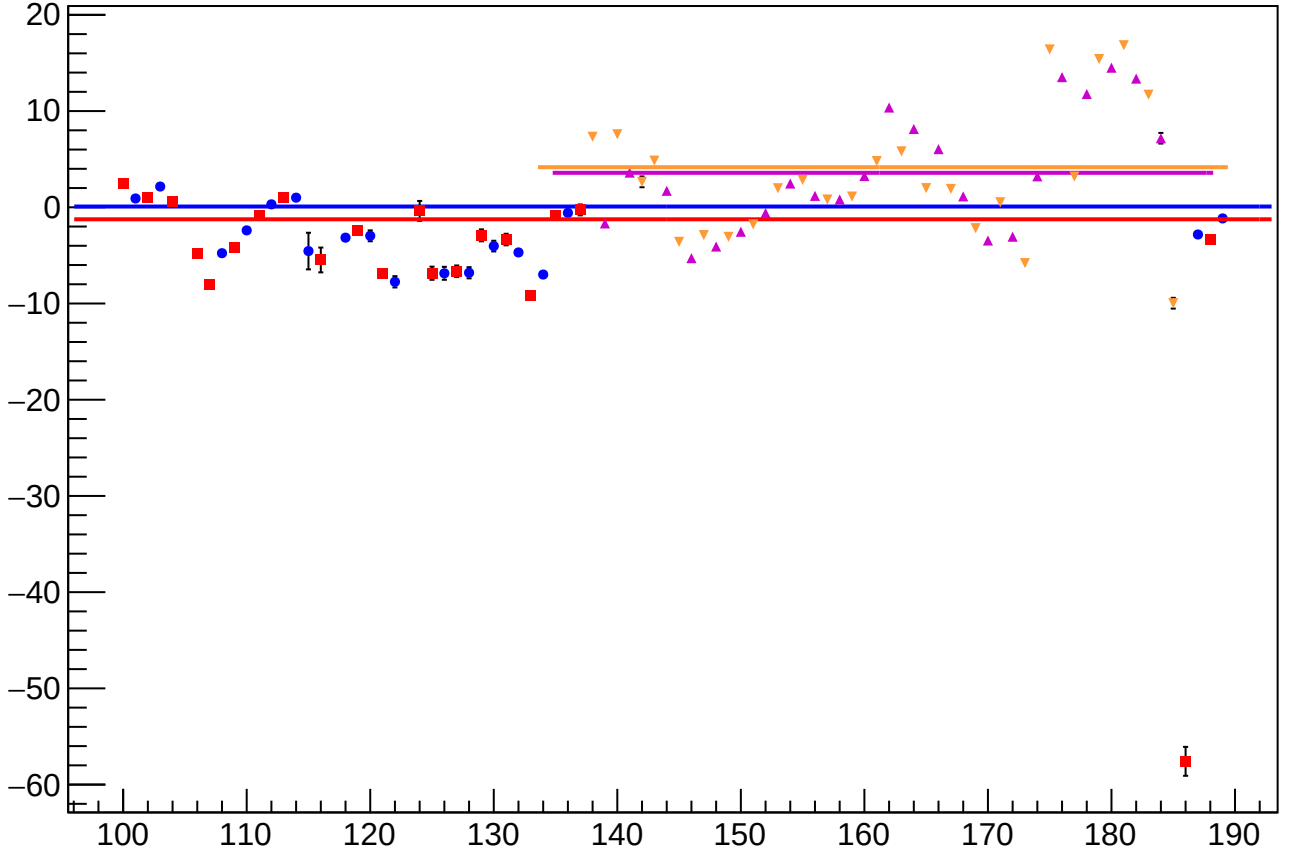
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -7.946+/-0.040 χ^2/NDF: 31979.7/38

In: -3.429+/-0.040 χ^2/NDF:34798.7/40

Out: -2.944+/-0.039 χ^2/NDF:34201.7/45

All: -3.181+/-0.028 χ^2/NDF: 69074.5/86



Right In: 0.080+/-0.052 χ^2/NDF: 2006.9/17

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -1.247+/-0.050 χ^2/NDF: 4639.7/20

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

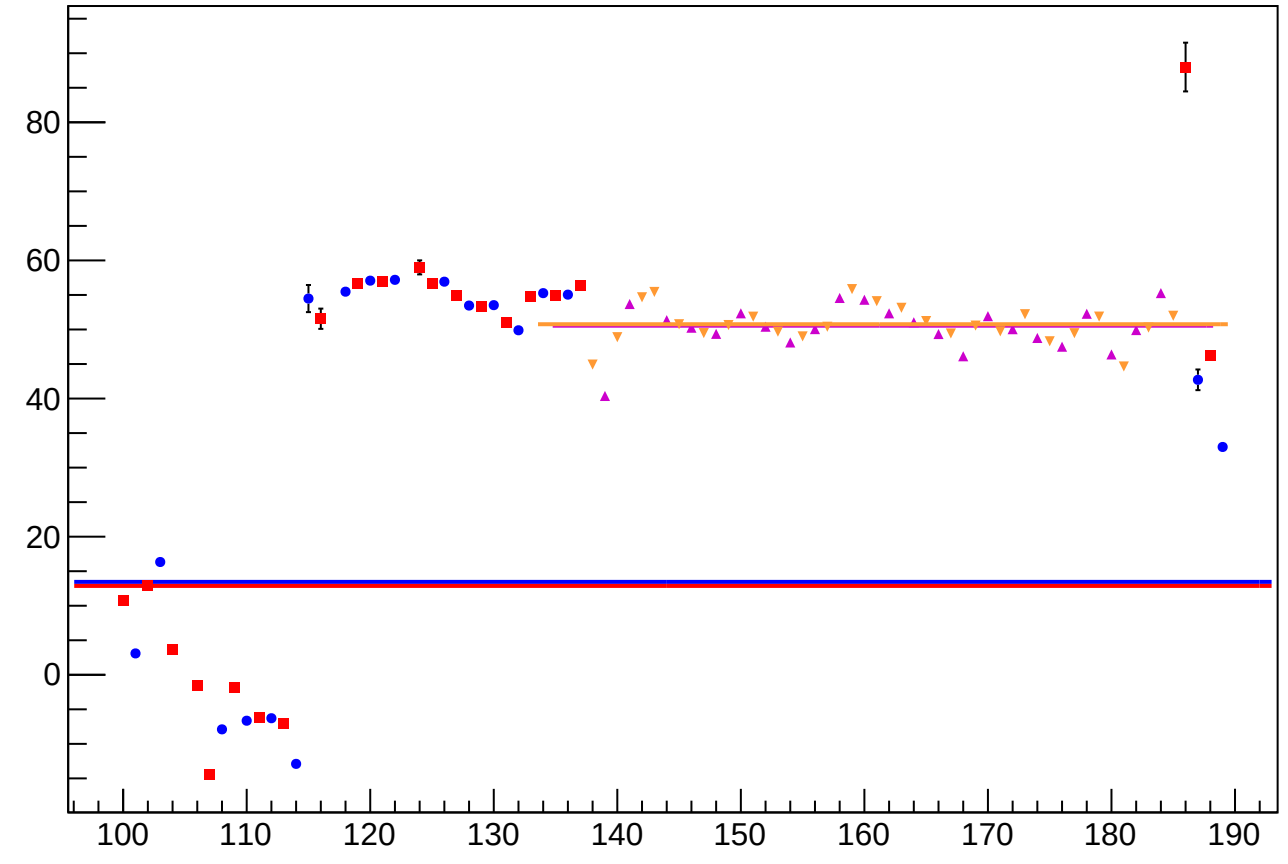
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: -0.606+/-0.036 χ^2/NDF: 6982.7/38

In: 1.240+/-0.043 χ^2/NDF:10737.2/40

Out: 0.524+/-0.041 χ^2/NDF:17679.3/45

All: 0.871+/-0.030 χ^2/NDF: 28562.5/86



Right In: 13.455+/-0.067 χ^2/NDF: 110071.2/17

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 12.870+/-0.067 χ^2/NDF: 126241.1/20

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

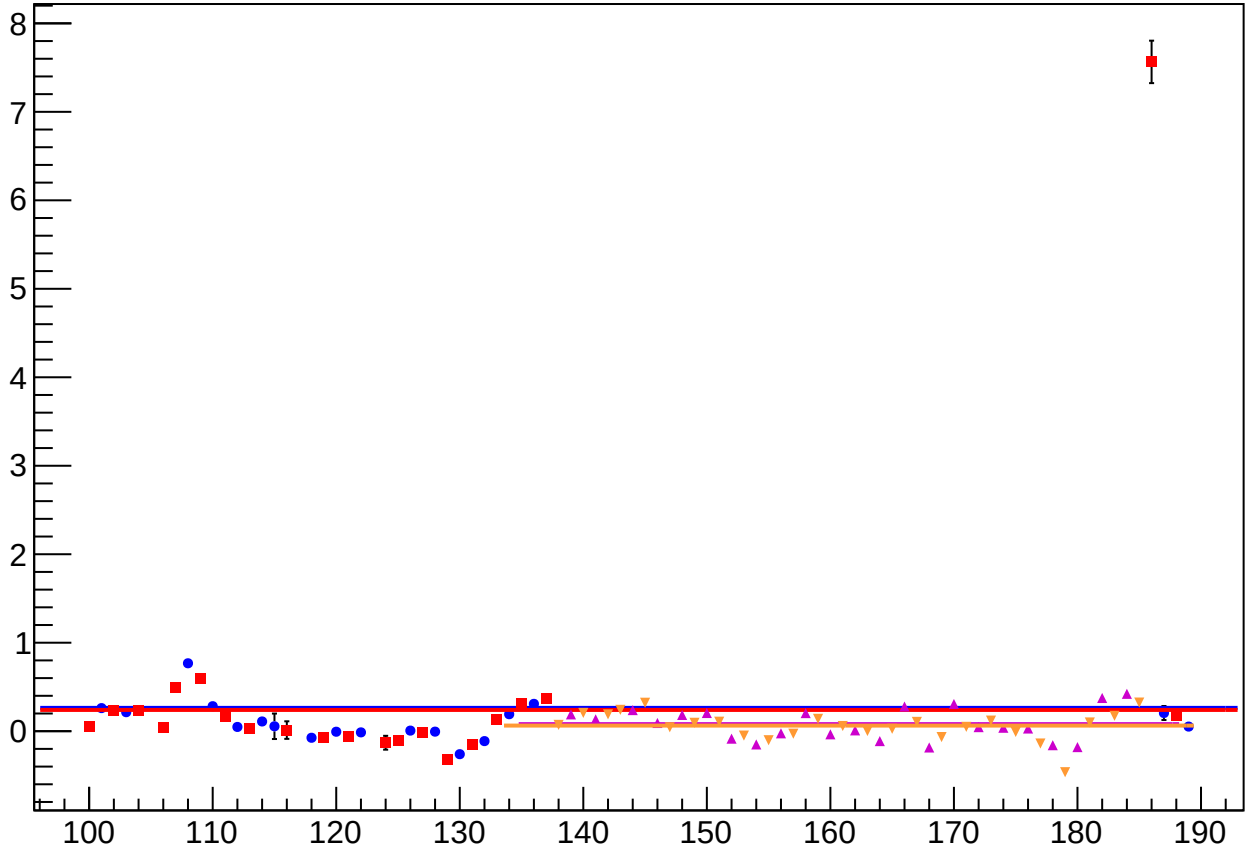
Right: 13.160+/-0.047 χ^2/NDF: 236350.2/38

In: 32.749+/-0.047 χ^2/NDF:269201.5/40

Out: 33.099+/-0.046 χ^2/NDF:299657.1/45

All: 32.928+/-0.033 χ^2/NDF: 568887.3/86

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.263+/-0.003 χ^2/NDF: 3834.4/17

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.240+/-0.003 χ^2/NDF: 3284.8/20

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

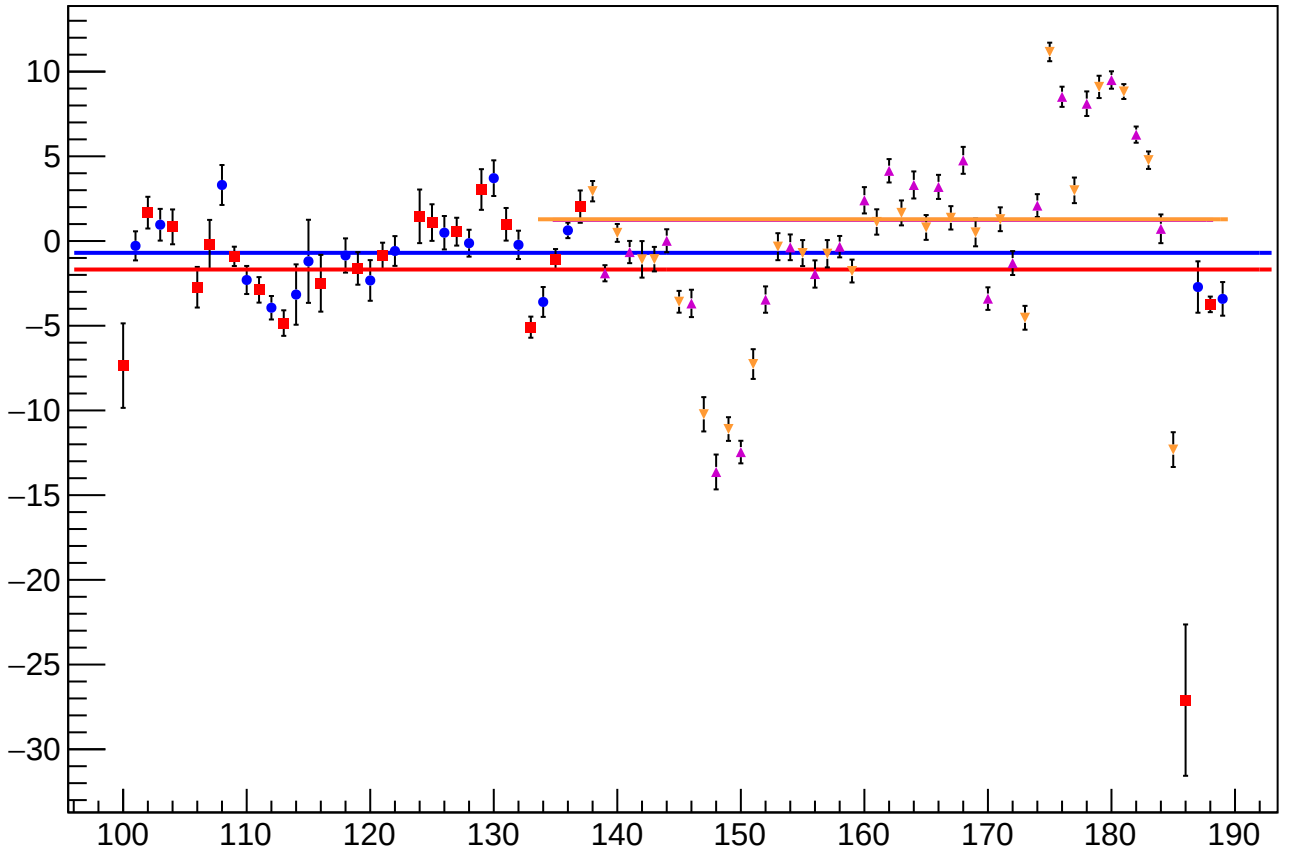
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.252+/-0.002 χ^2/NDF: 7155.0/38

In: 0.174+/-0.002 χ^2/NDF:9441.2/40

Out: 0.154+/-0.002 χ^2/NDF:7919.5/45

All: 0.164+/-0.001 χ^2/NDF: 17408.9/86



Right In: -0.698+/-0.210 χ^2/NDF: 92.6/17

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.682+/-0.187 χ^2/NDF: 188.4/20

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

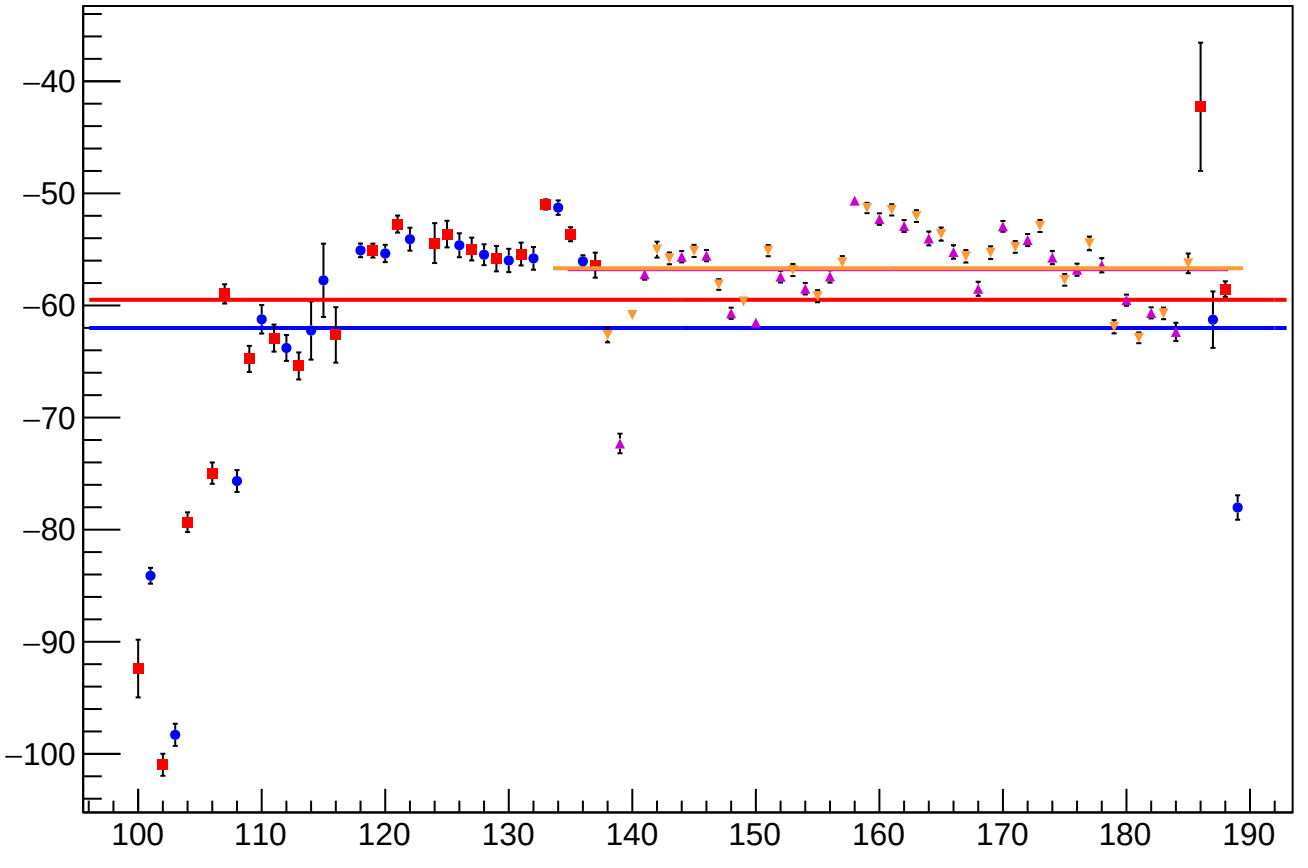
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.247+/-0.140 χ^2/NDF: 293.3/38

In: 0.646+/-0.117 χ^2/NDF:1664.2/40

Out: 0.246+/-0.110 χ^2/NDF:2067.9/45

All: 0.435+/-0.080 χ^2/NDF: 3738.3/86



Right In: -62.008+/-0.214 χ^2/NDF: 3575.8/17

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -59.494+/-0.198 χ^2/NDF: 3432.5/20

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

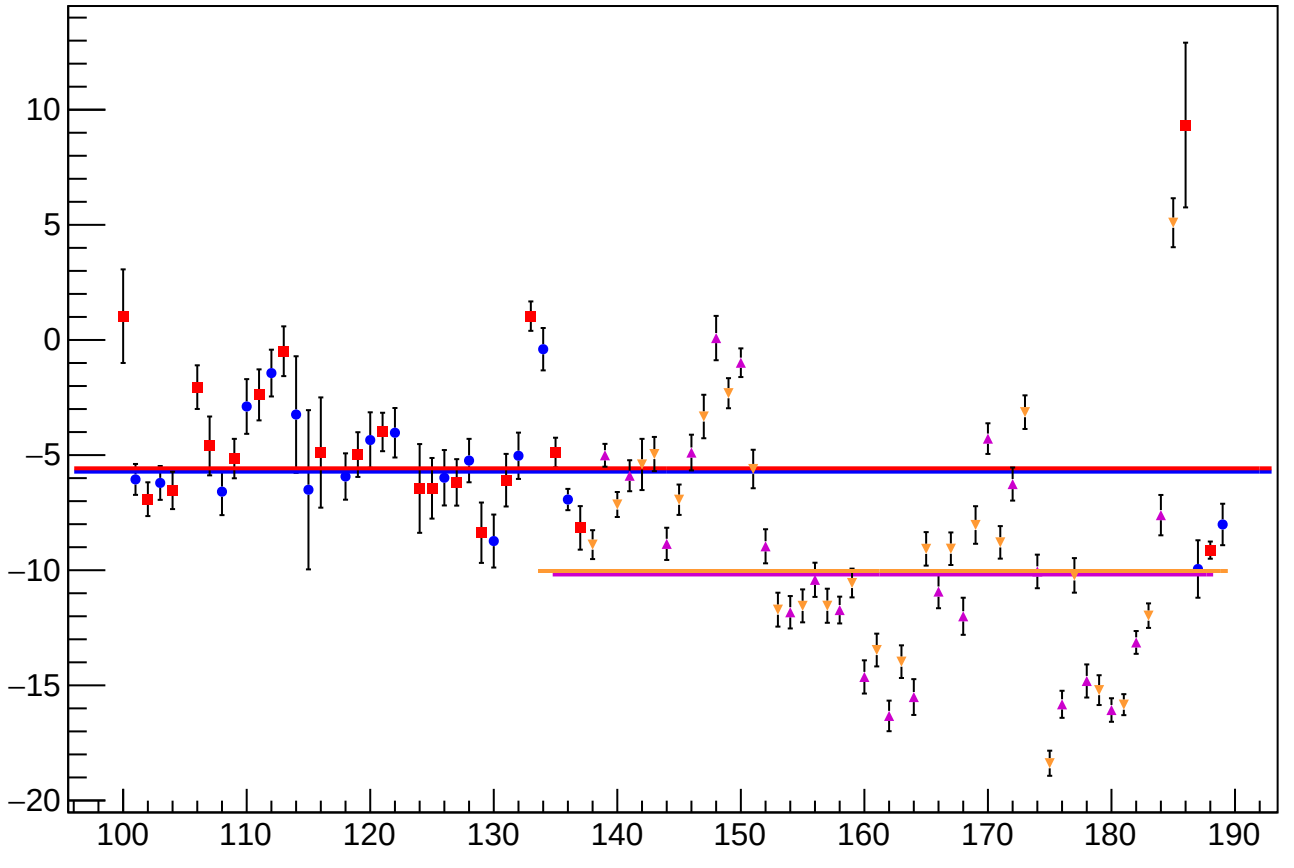
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

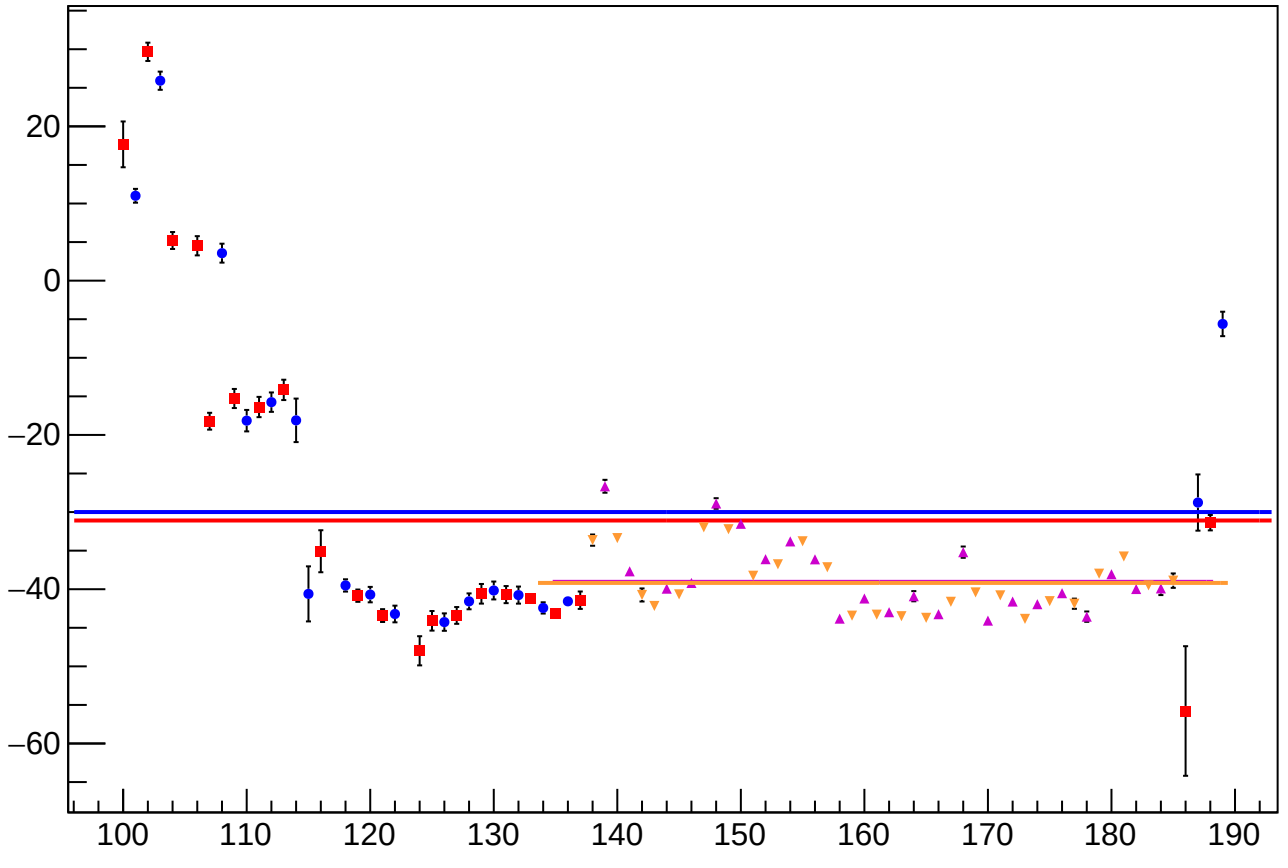
Right: -60.653+/-0.145 χ^2/NDF: 7082.7/38

In: -57.892+/-0.099 χ^2/NDF:5156.0/40

Out: -57.319+/-0.094 χ^2/NDF:4603.3/45

All: -57.591+/-0.068 χ^2/NDF: 9776.8/86


reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
180
190
Right In: -5.719+/-0.219 χ²/NDF: 95.6/17
Left Out: -10.034+/-0.136 χ²/NDF:1182.4/24
Right Out: -5.575+/-0.191 χ²/NDF: 293.8/20
Left In: -10.184+/-0.139 χ²/NDF:1142.6/22
Left: -10.107+/-0.097 χ²/NDF: 2325.6/47
Right: -5.637+/-0.144 χ²/NDF: 389.6/38
In: -8.903+/-0.117 χ²/NDF:1533.8/40
Out: -8.529+/-0.111 χ²/NDF:1837.8/45
All: -8.705+/-0.081 χ²/NDF: 3377.0/86



Right In: -29.996+/-0.246 χ^2/NDF: 7180.7/17

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -31.092+/-0.231 χ^2/NDF: 6985.2/20

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

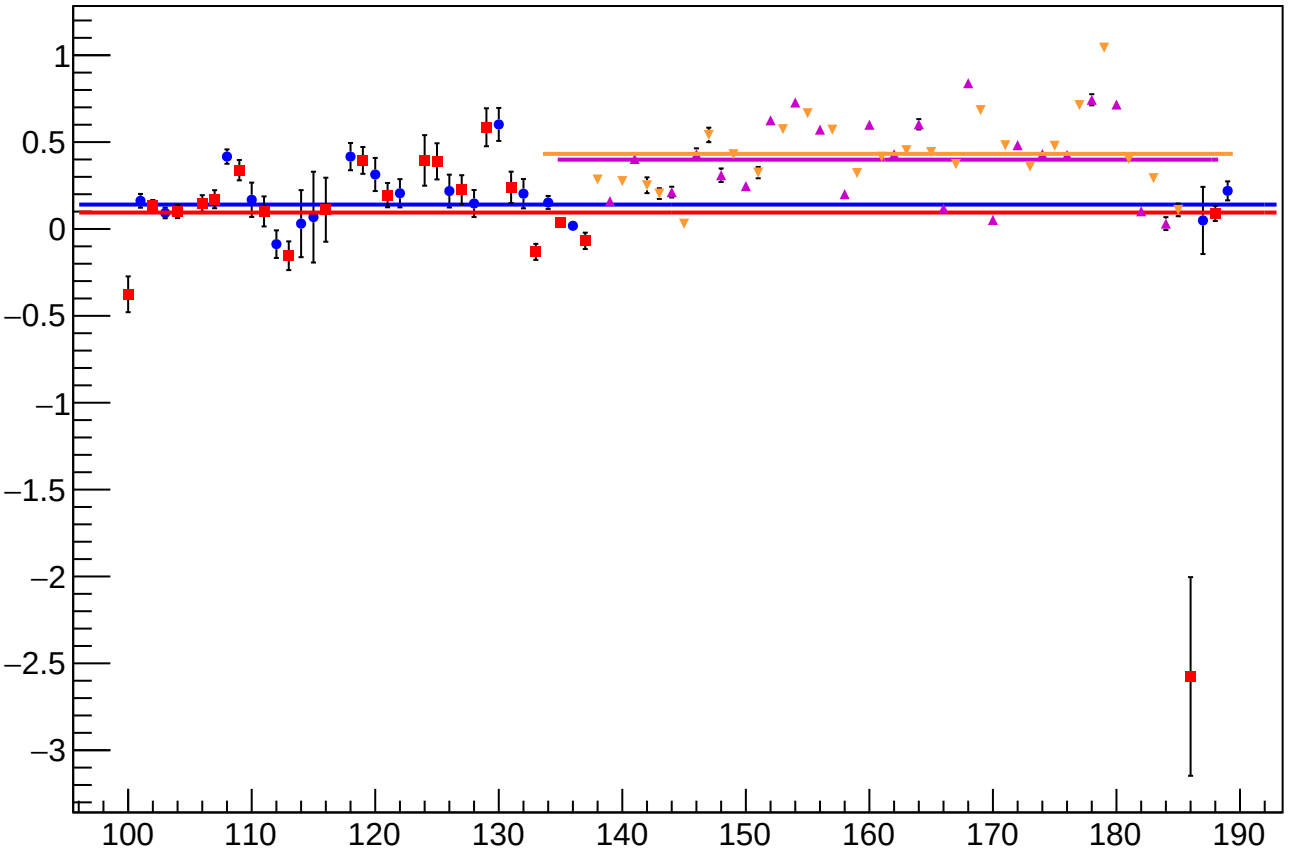
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -30.577+/-0.168 χ^2/NDF: 14176.5/38

In: -37.203+/-0.111 χ^2/NDF:9486.4/40

Out: -37.466+/-0.107 χ^2/NDF:8984.0/45

All: -37.340+/-0.077 χ^2/NDF: 18473.4/86



Right In: 0.140+/-0.012 χ^2/NDF: 131.7/17

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.095+/-0.012 χ^2/NDF: 169.6/20

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

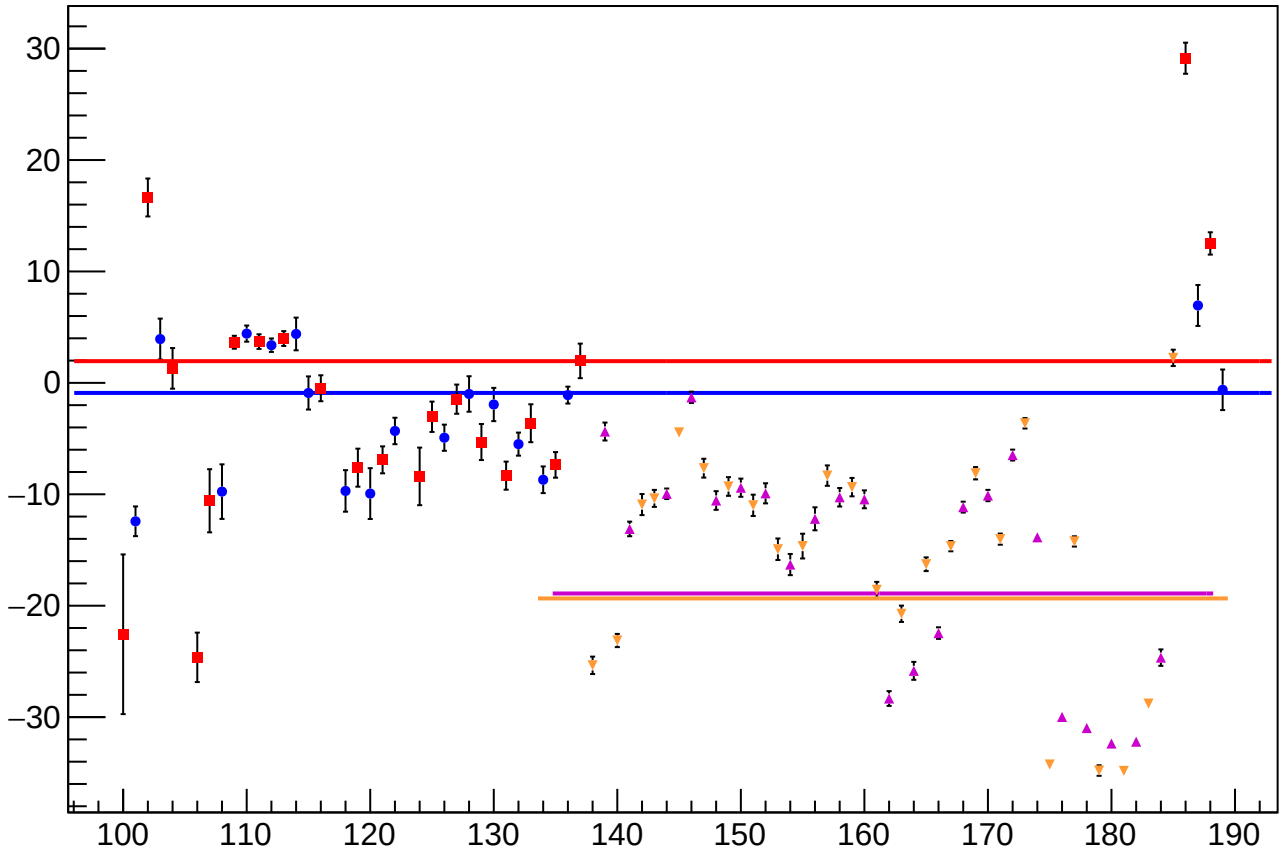
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.117+/-0.008 χ^2/NDF: 308.5/38

In: 0.357+/-0.005 χ^2/NDF:2434.2/40

Out: 0.376+/-0.005 χ^2/NDF:2212.9/45

All: 0.367+/-0.003 χ^2/NDF: 4654.7/86



Right In: -0.903+/-0.274 χ^2/NDF: 350.7/17

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.950+/-0.253 χ^2/NDF: 1053.8/20

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

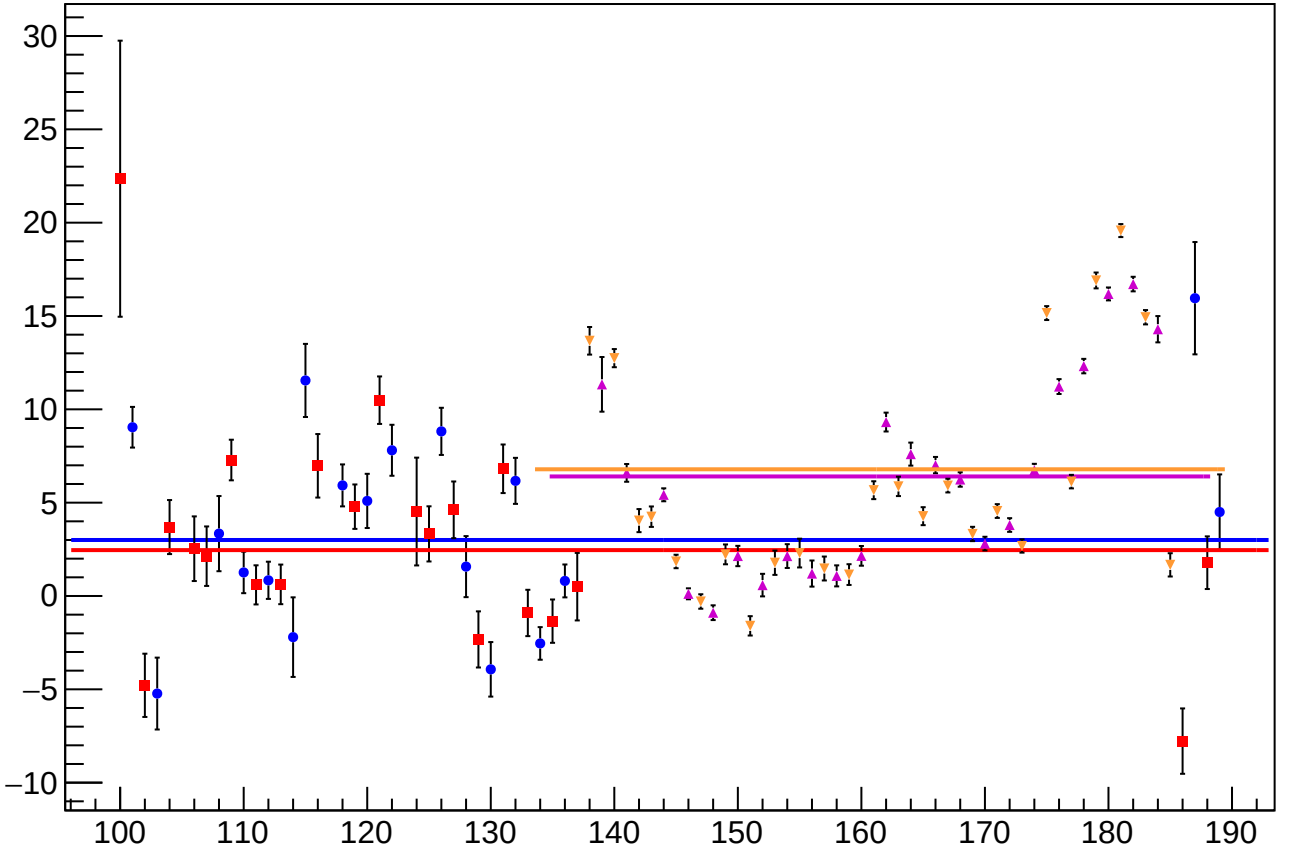
Right: 0.638+/-0.186 χ^2/NDF: 1463.0/38

In: -16.164+/-0.107 χ^2/NDF:12290.5/40

Out: -15.786+/-0.103 χ^2/NDF:17349.5/45

All: -15.969+/-0.074 χ^2/NDF: 29646.4/86

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.000+/-0.308 χ^2/NDF: 219.0/17

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.458+/-0.309 χ^2/NDF: 180.7/20

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

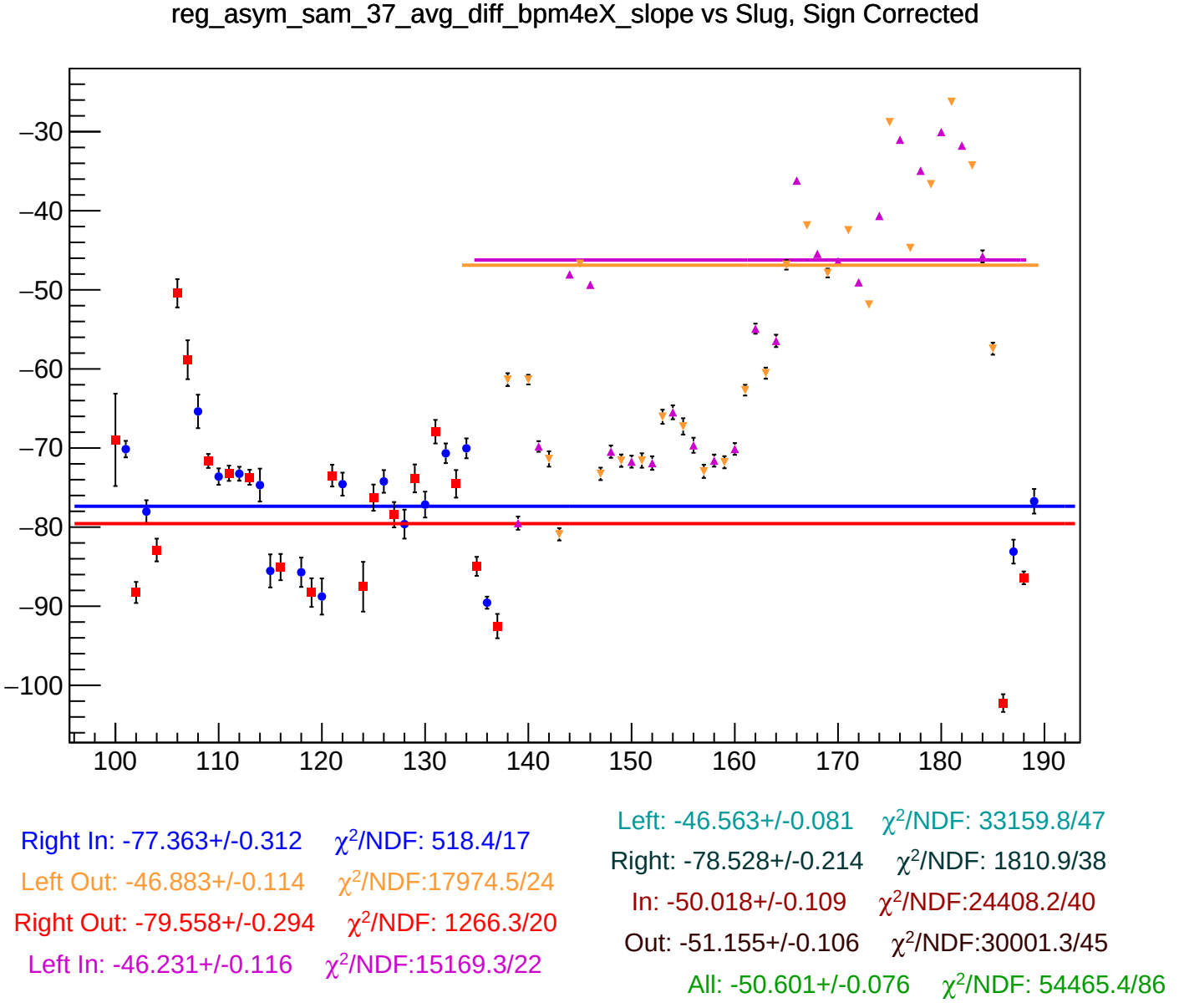
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

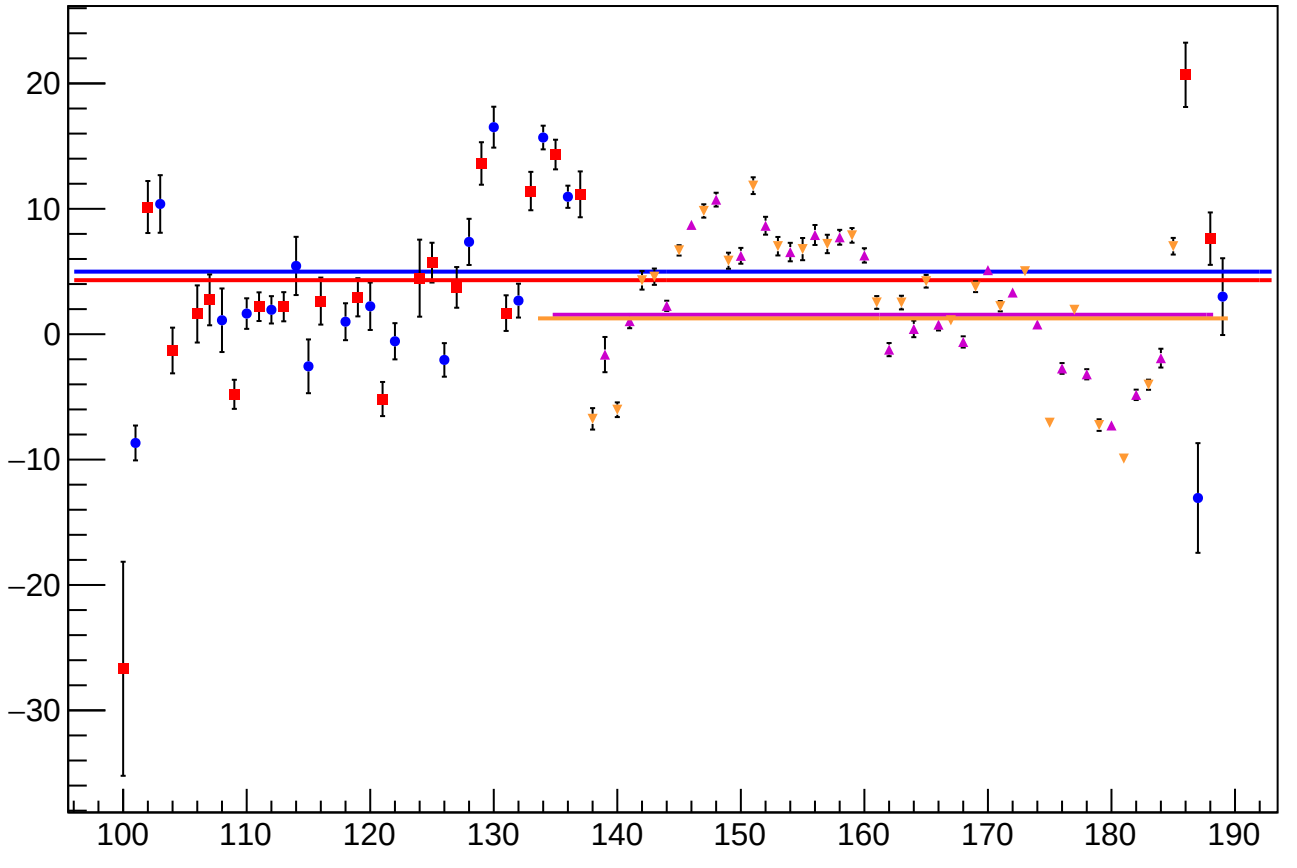
Right: 2.730+/-0.218 χ^2/NDF: 401.3/38

In: 6.130+/-0.087 χ^2/NDF:3741.7/40

Out: 6.449+/-0.087 χ^2/NDF:4993.9/45

All: 6.291+/-0.062 χ^2/NDF: 8742.4/86


reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
170
180
190
Right In: -77.363+/-0.312 χ²/NDF: 518.4/17
Left Out: -46.883+/-0.114 χ²/NDF:17974.5/24
Right Out: -79.558+/-0.294 χ²/NDF: 1266.3/20
Left In: -46.231+/-0.116 χ²/NDF:15169.3/22
Left: -46.563+/-0.081 χ²/NDF: 33159.8/47
Right: -78.528+/-0.214 χ²/NDF: 1810.9/38
In: -50.018+/-0.109 χ²/NDF:24408.2/40
Out: -51.155+/-0.106 χ²/NDF:30001.3/45
All: -50.601+/-0.076 χ²/NDF: 54465.4/86



Right In: 4.991+/-0.346 χ^2/NDF: 430.0/17

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.309+/-0.353 χ^2/NDF: 336.1/20

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

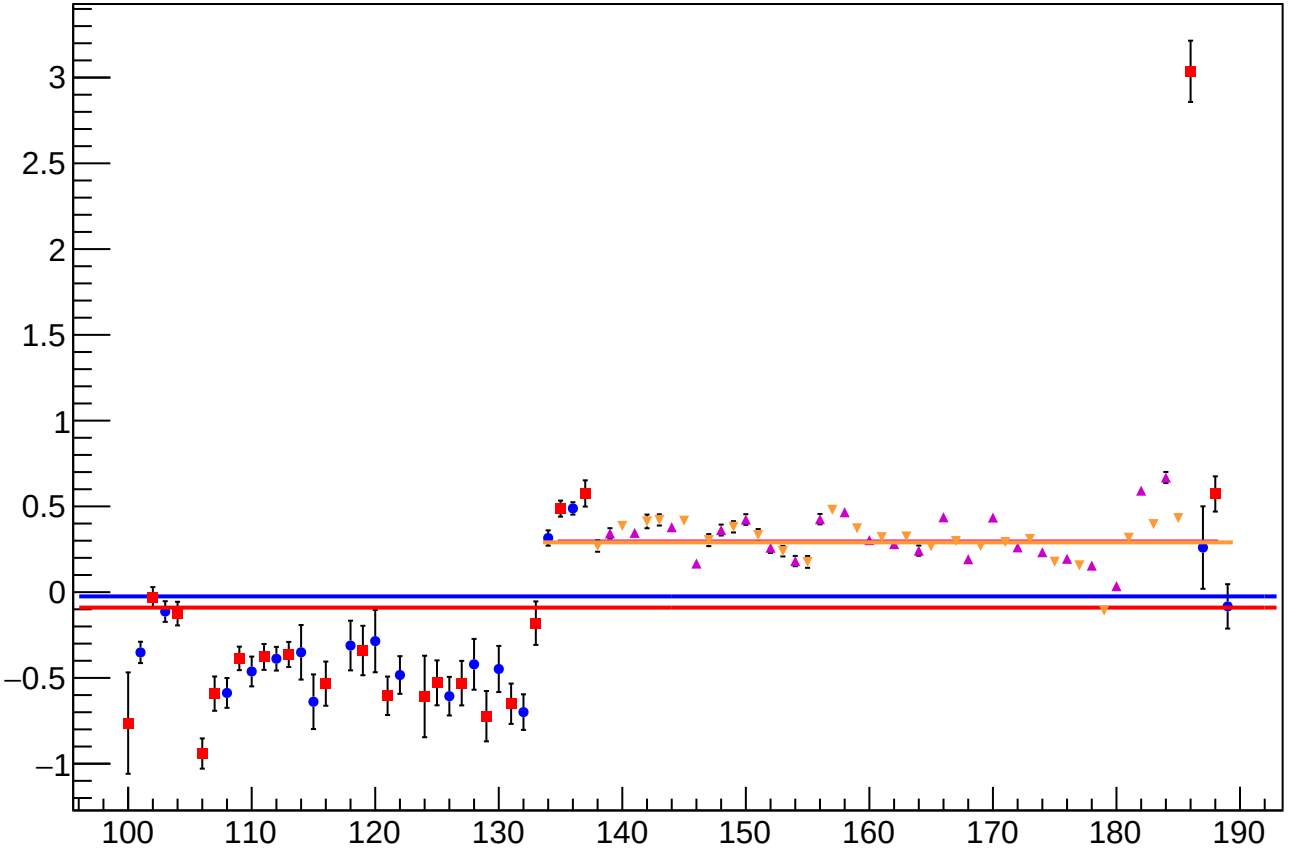
Right: 4.656+/-0.247 χ^2/NDF: 768.0/38

In: 1.826+/-0.098 χ^2/NDF:2856.4/40

Out: 1.490+/-0.097 χ^2/NDF:3850.8/45

All: 1.655+/-0.069 χ^2/NDF: 6713.2/86

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.019 χ^2/NDF: 514.1/17

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.090+/-0.020 χ^2/NDF: 853.3/20

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

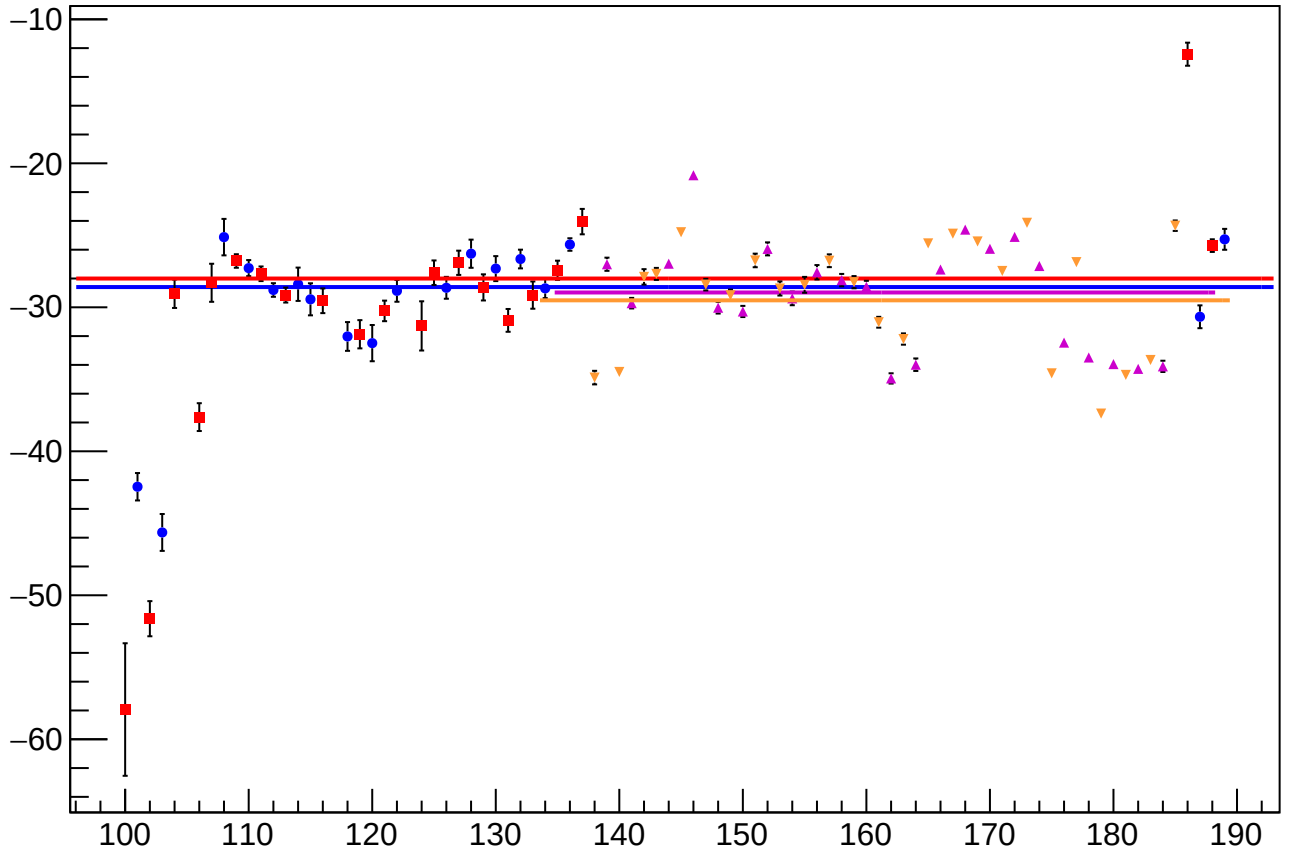
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.056+/-0.014 χ^2/NDF: 1373.2/38

In: 0.277+/-0.004 χ^2/NDF:1826.3/40

Out: 0.272+/-0.004 χ^2/NDF:1926.8/45

All: 0.274+/-0.003 χ^2/NDF: 3754.0/86



Right In: -28.594+/-0.176 χ^2/NDF: 515.2/17

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.002+/-0.164 χ^2/NDF: 1005.5/20

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

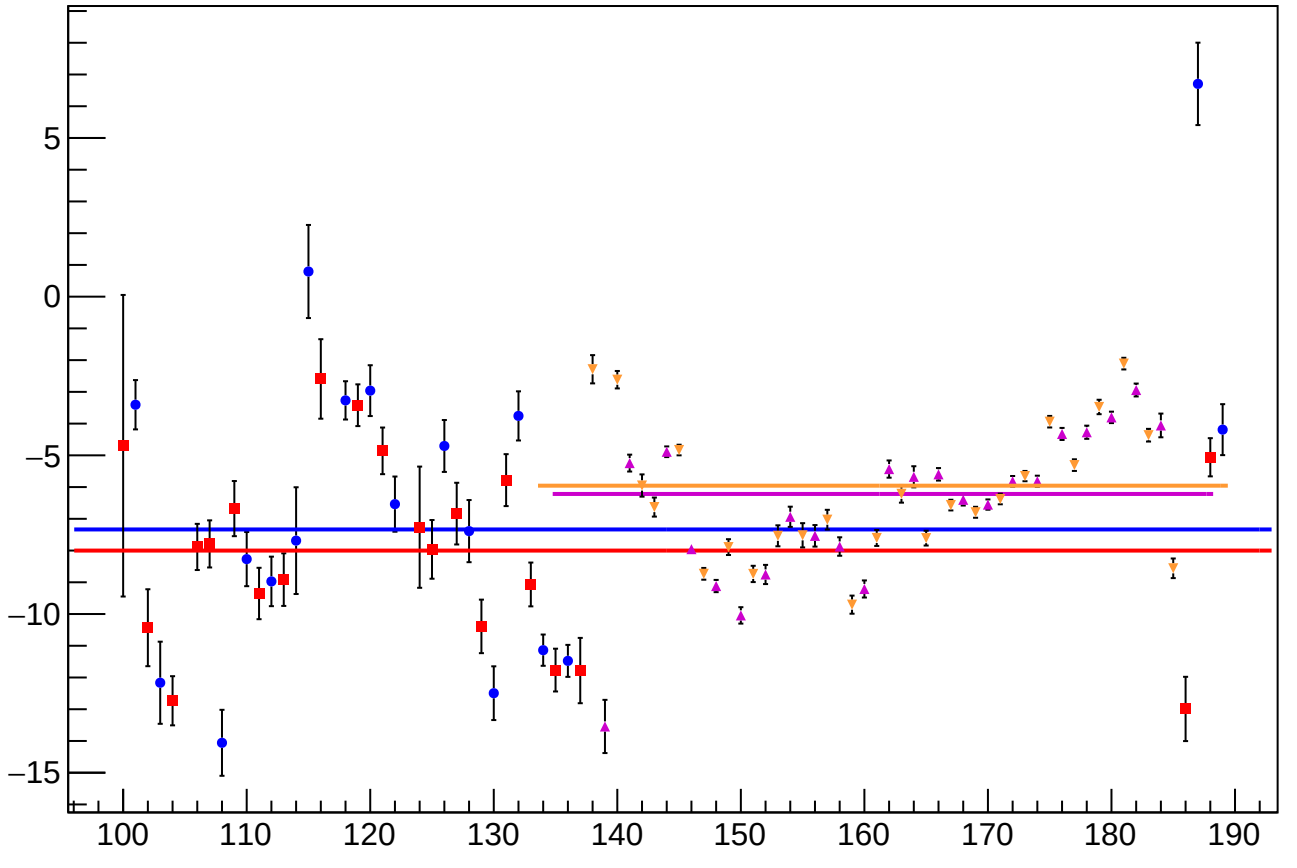
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -28.278+/-0.120 χ^2/NDF: 1526.8/38

In: -28.935+/-0.054 χ^2/NDF:5868.0/40

Out: -29.356+/-0.053 χ^2/NDF:7170.2/45

All: -29.149+/-0.038 χ^2/NDF: 13068.9/86



Right In: -7.335+/-0.187 χ^2/NDF: 522.1/17

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.001+/-0.184 χ^2/NDF: 245.9/20

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

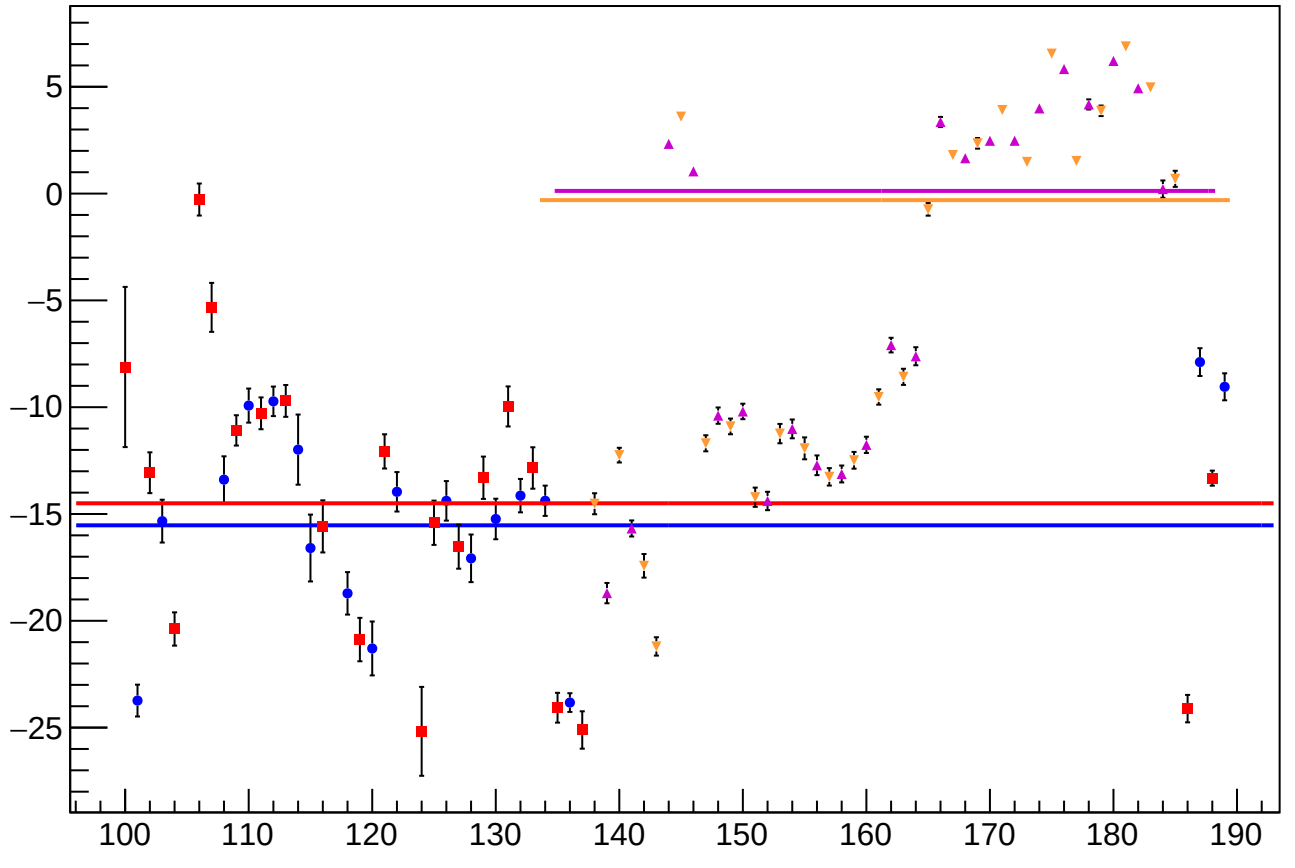
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.675+/-0.131 χ^2/NDF: 774.5/38

In: -6.276+/-0.043 χ^2/NDF:2297.6/40

Out: -6.069+/-0.043 χ^2/NDF:2220.6/45

All: -6.173+/-0.030 χ^2/NDF: 4529.7/86



Right In: -15.531+/-0.190 χ^2/NDF: 895.7/17

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.499+/-0.173 χ^2/NDF: 1261.0/20

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

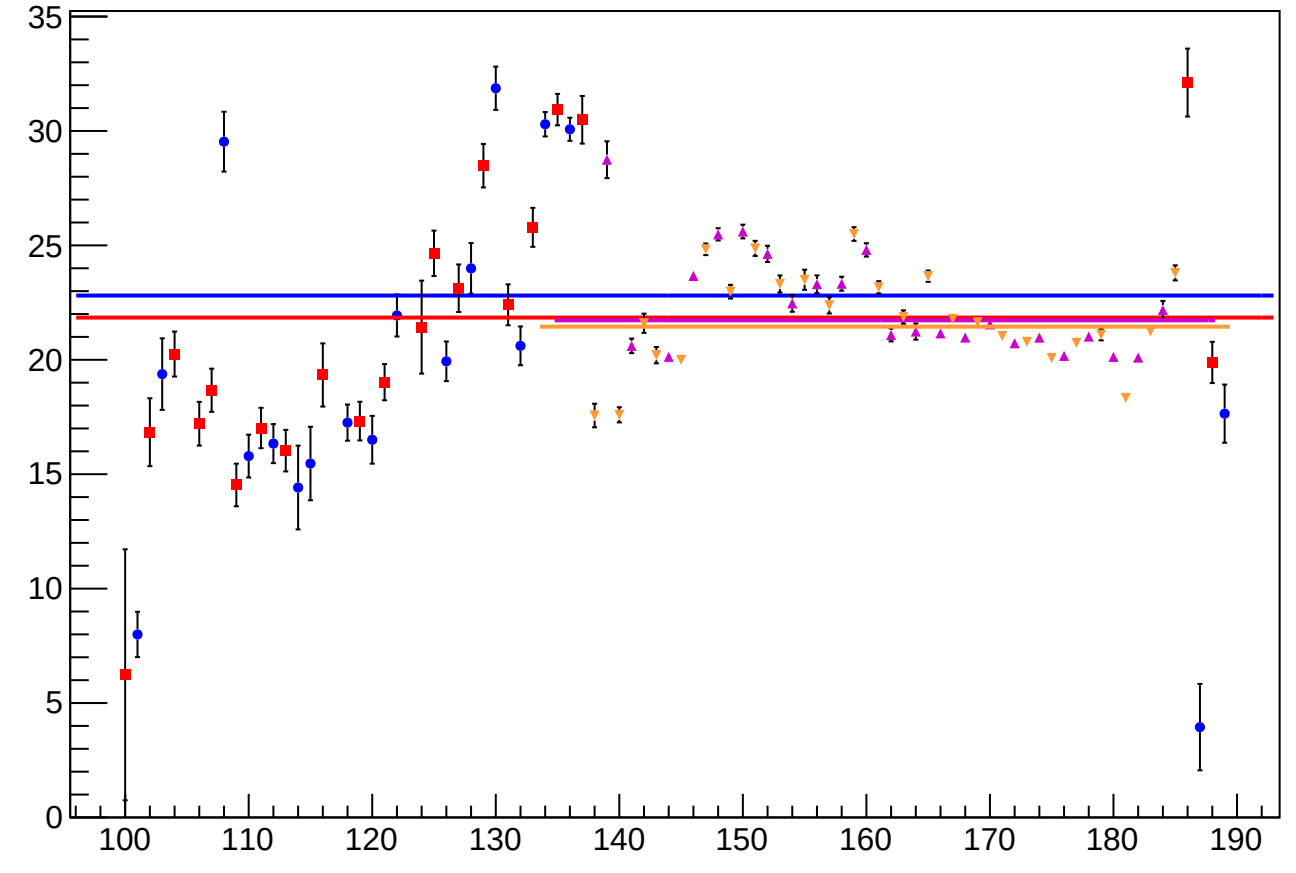
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -14.967+/-0.128 χ^2/NDF: 2172.8/38

In: -1.167+/-0.055 χ^2/NDF:20958.1/40

Out: -1.672+/-0.054 χ^2/NDF:24501.4/45

All: -1.423+/-0.038 χ^2/NDF: 45502.9/86



Right In: 22.808+/-0.214 χ^2/NDF: 1127.9/17

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.844+/-0.215 χ^2/NDF: 611.0/20

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

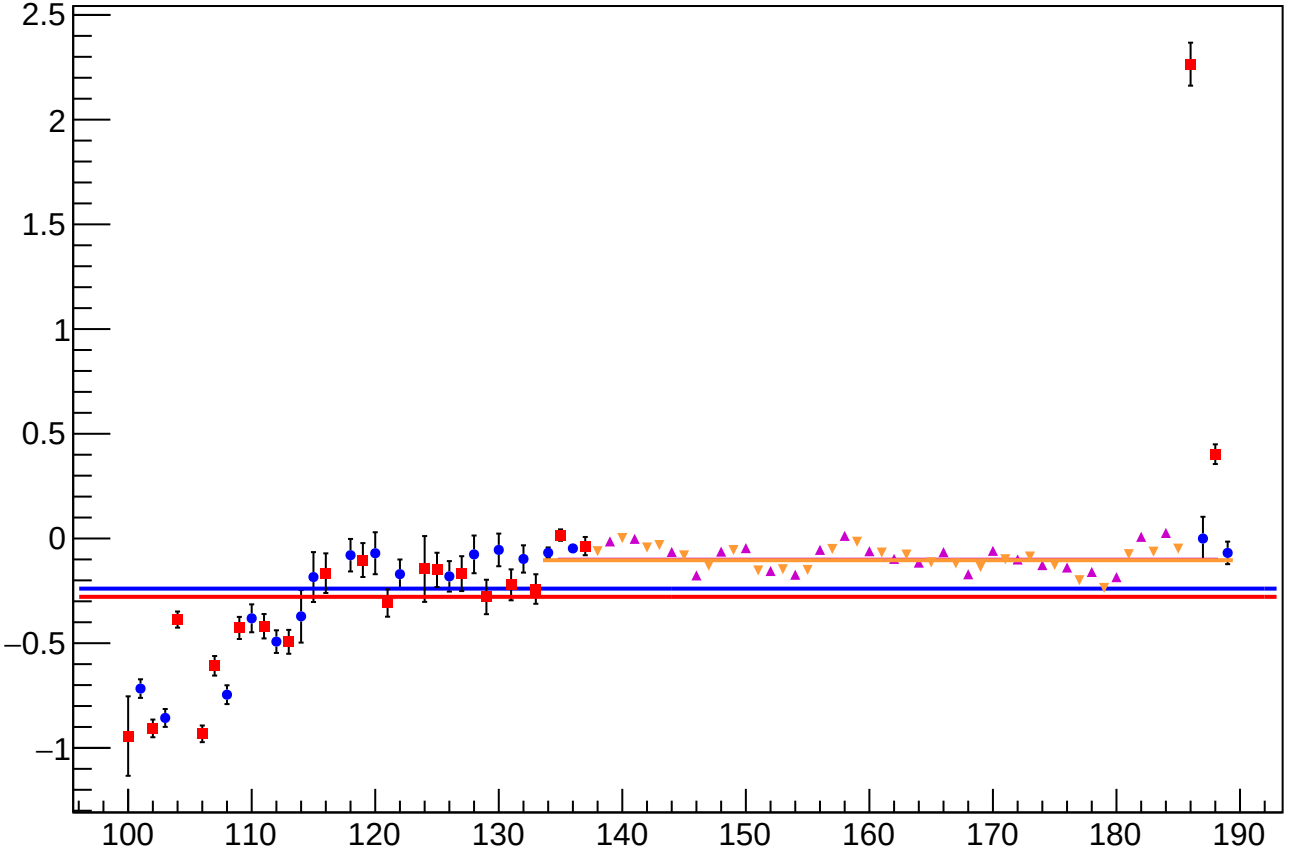
Right: 22.330+/-0.152 χ^2/NDF: 1749.0/38

In: 21.781+/-0.048 χ^2/NDF:2326.0/40

Out: 21.467+/-0.048 χ^2/NDF:1939.5/45

All: 21.624+/-0.034 χ^2/NDF: 4286.6/86

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.239+/-0.011 χ^2/NDF: 649.8/17

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.279+/-0.012 χ^2/NDF: 1574.0/20

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

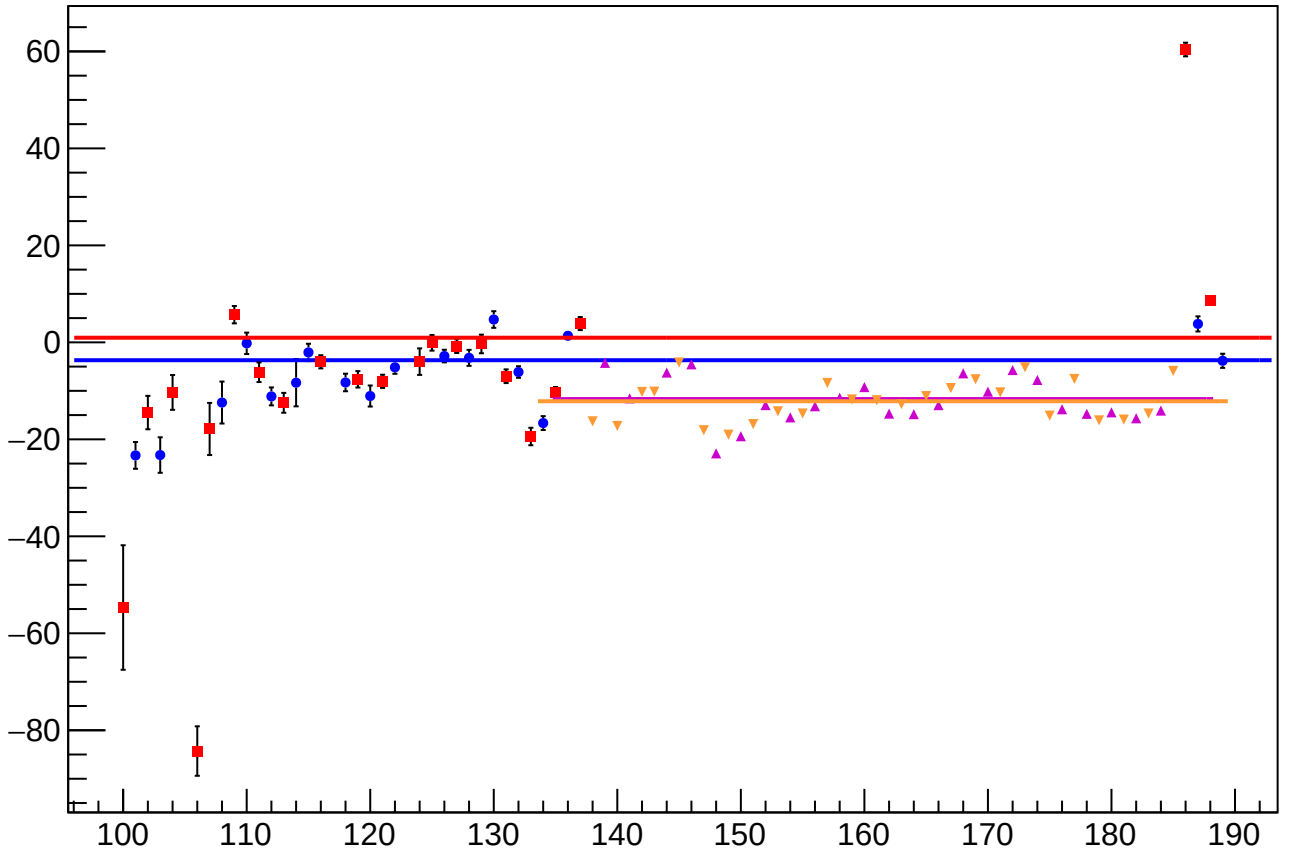
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.258+/-0.008 χ^2/NDF: 2229.5/38

In: -0.106+/-0.002 χ^2/NDF:1550.5/40

Out: -0.110+/-0.002 χ^2/NDF:2331.5/45

All: -0.108+/-0.002 χ^2/NDF: 3883.0/86



Right In: -3.684+/-0.359 χ^2/NDF: 312.3/17

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: 0.956+/-0.353 χ^2/NDF: 2634.4/20

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

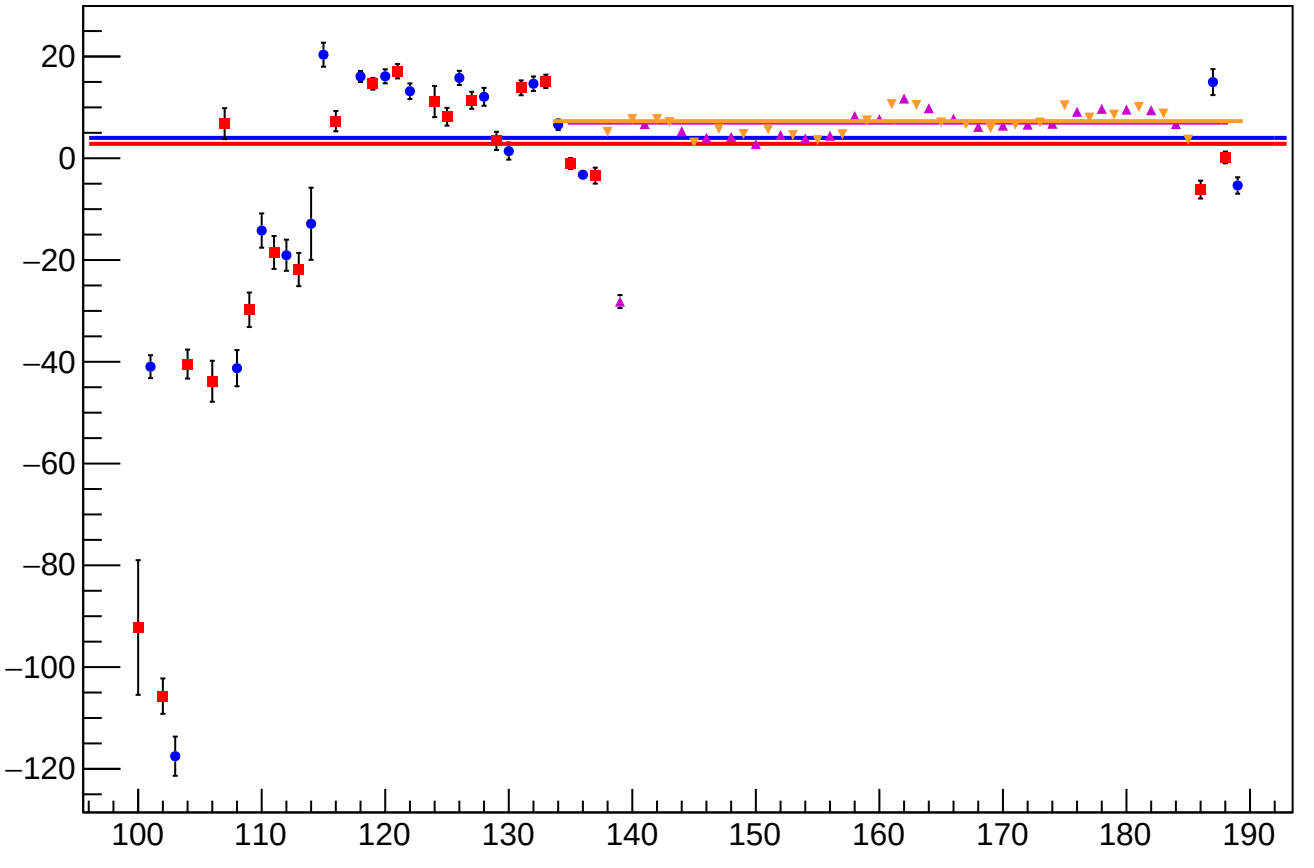
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -1.325+/-0.252 χ^2/NDF: 3031.5/38

In: -11.182+/-0.091 χ^2/NDF:2728.7/40

Out: -11.320+/-0.089 χ^2/NDF:6052.2/45

All: -11.253+/-0.064 χ^2/NDF: 8782.1/86



Right In: 4.008+/-0.371 χ^2/NDF: 2221.7/17

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 2.838+/-0.387 χ^2/NDF: 2043.1/20

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

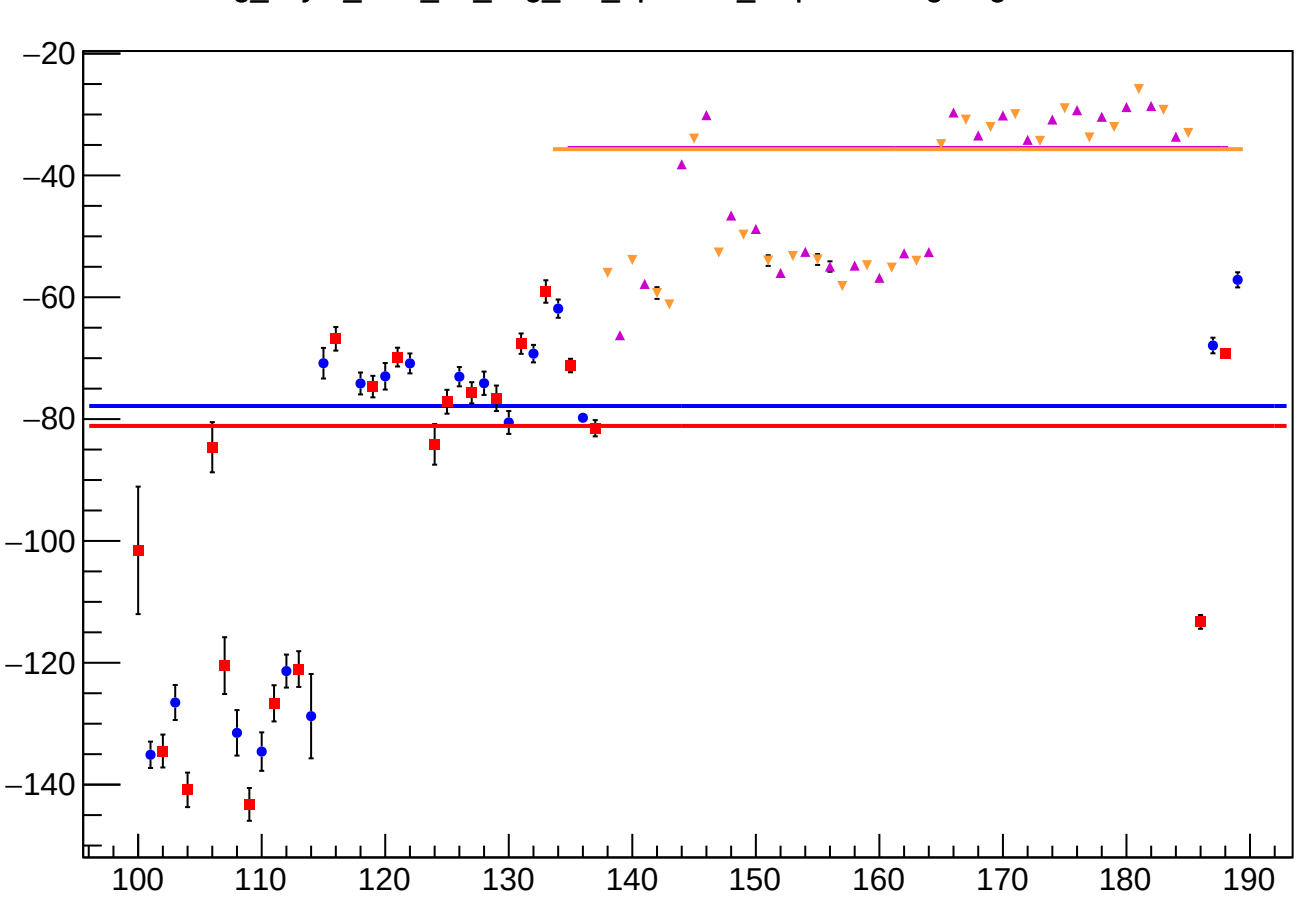
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 3.448+/-0.268 χ^2/NDF: 4269.6/38

In: 6.883+/-0.074 χ^2/NDF:3860.5/40

Out: 7.136+/-0.074 χ^2/NDF:2994.0/45

All: 7.011+/-0.052 χ^2/NDF: 6860.3/86



Right In: -77.849+/-0.378 χ^2/NDF: 2375.0/17

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -81.120+/-0.359 χ^2/NDF: 3437.4/20

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

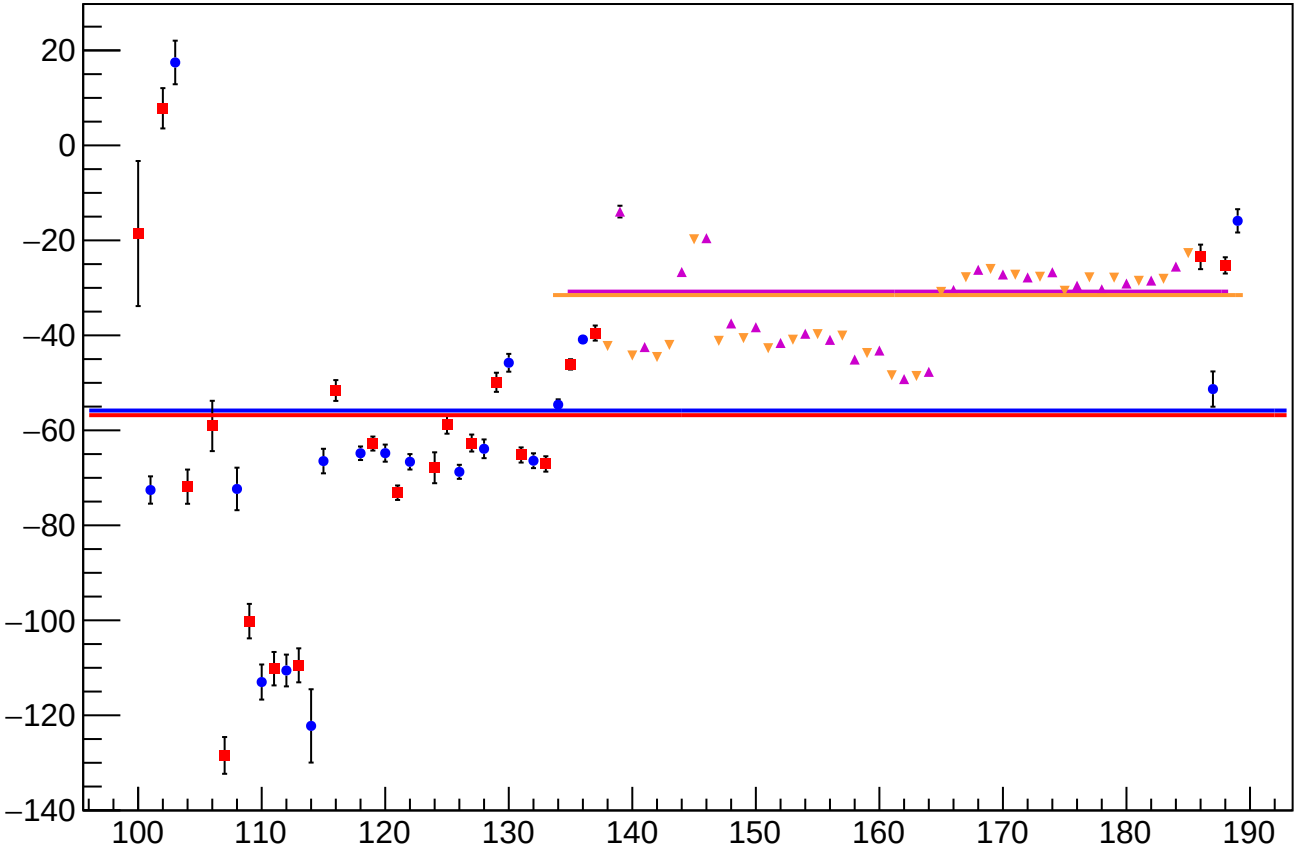
Right: -79.568+/-0.260 χ^2/NDF: 5851.8/38

In: -37.997+/-0.092 χ^2/NDF:25372.2/40

Out: -38.507+/-0.089 χ^2/NDF:31259.5/45

All: -38.259+/-0.064 χ^2/NDF: 56647.5/86

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -55.827+/-0.417 χ^2/NDF: 1801.9/17

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -56.805+/-0.446 χ^2/NDF: 2148.7/20

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

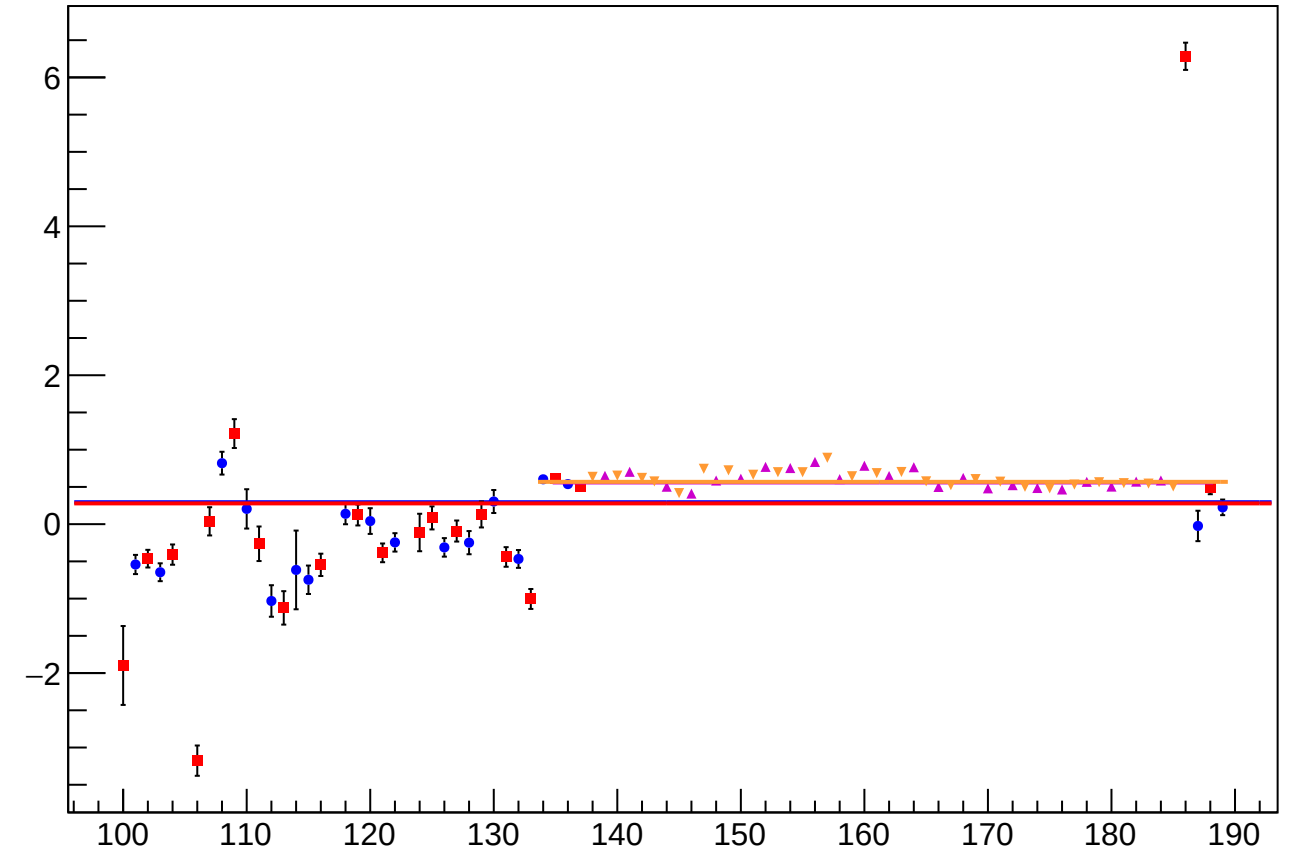
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -56.283+/-0.305 χ^2/NDF: 3953.2/38

In: -31.773+/-0.083 χ^2/NDF:12817.5/40

Out: -32.361+/-0.081 χ^2/NDF:13707.8/45

All: -32.071+/-0.058 χ^2/NDF: 26551.0/86



Right In: 0.295+/-0.022 χ^2/NDF: 377.8/17

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.279+/-0.025 χ^2/NDF: 1787.5/20

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

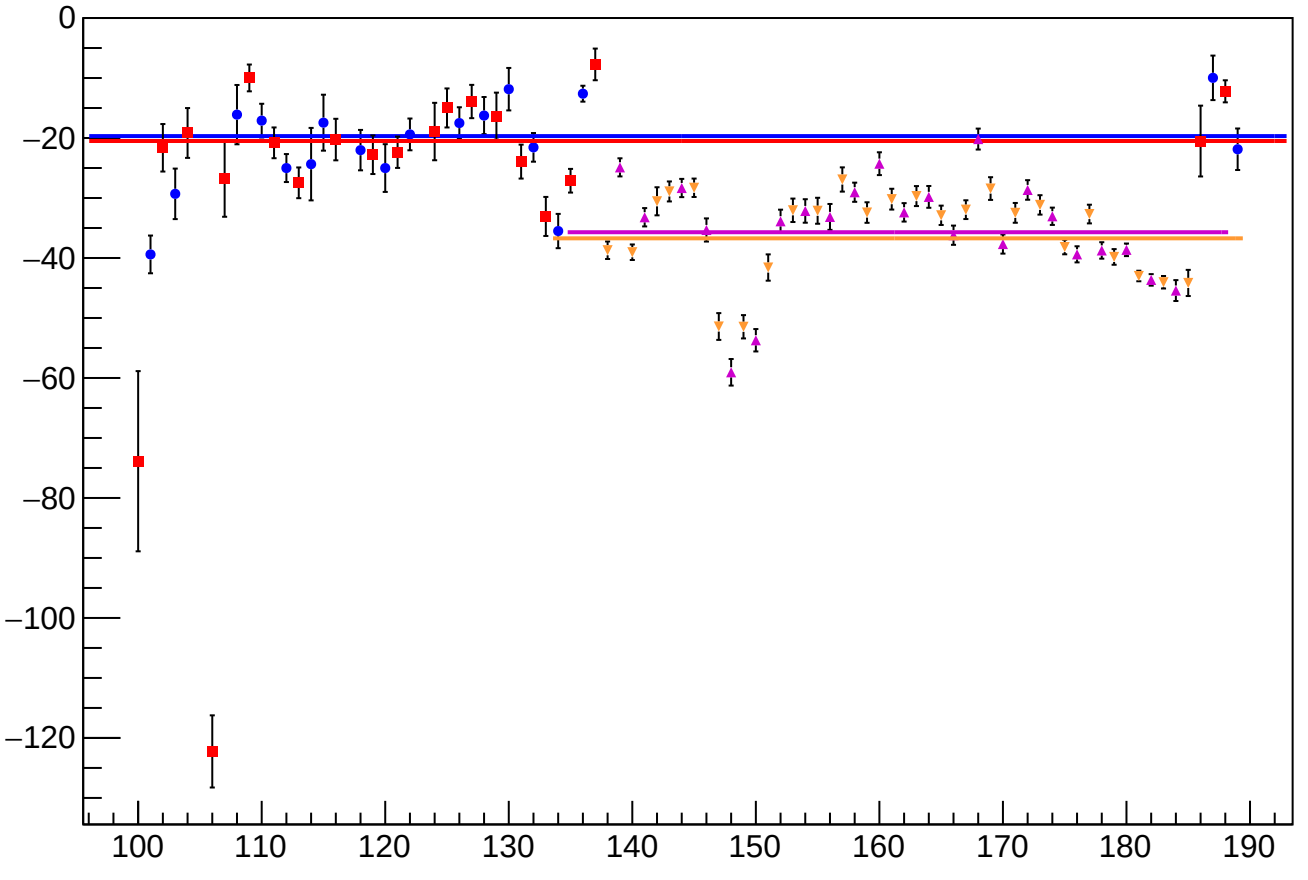
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.288+/-0.017 χ^2/NDF: 2165.6/38

In: 0.553+/-0.004 χ^2/NDF:1186.9/40

Out: 0.562+/-0.004 χ^2/NDF:2472.8/45

All: 0.557+/-0.003 χ^2/NDF: 3663.0/86



Right In: -19.683+/-0.670 χ^2/NDF: 128.0/17

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -20.500+/-0.661 χ^2/NDF: 411.7/20

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

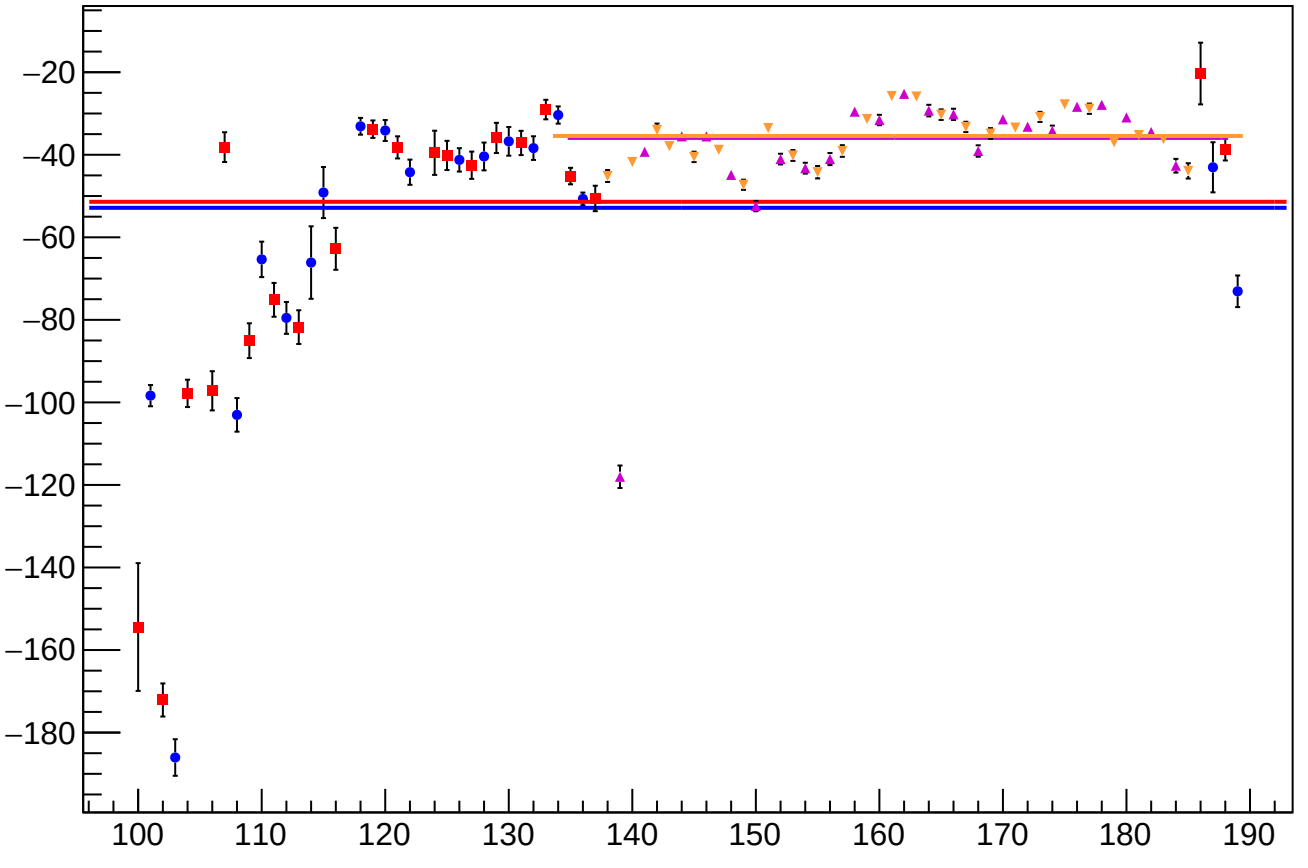
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -20.097+/-0.471 χ^2/NDF: 540.4/38

In: -32.682+/-0.291 χ^2/NDF:1170.6/40

Out: -33.797+/-0.281 χ^2/NDF:1326.0/45

All: -33.259+/-0.202 χ^2/NDF: 2504.2/86



Right In: -52.854+/-0.692 χ^2/NDF: 1809.3/17

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -51.396+/-0.716 χ^2/NDF: 1706.3/20

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

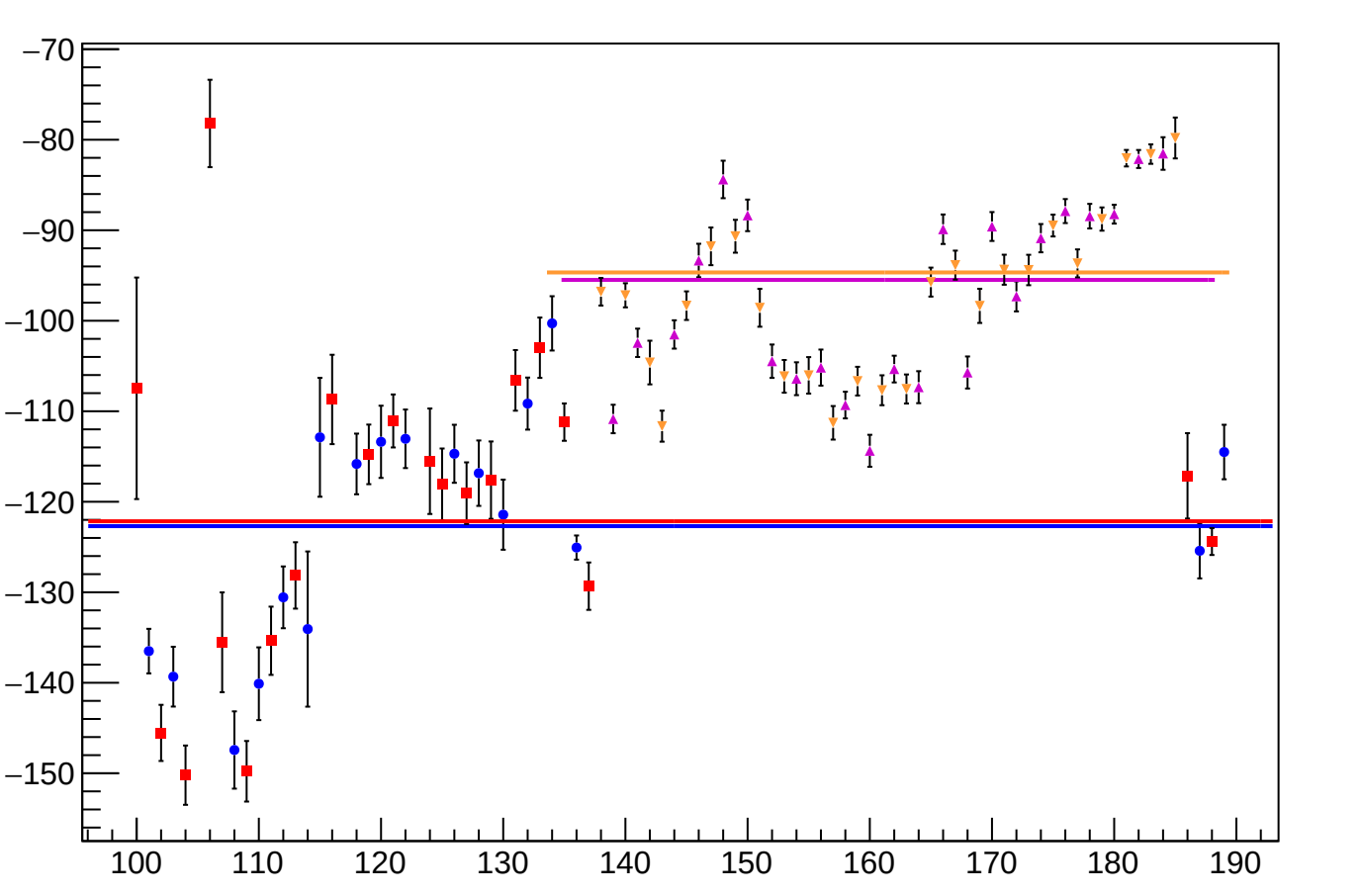
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -52.150+/-0.498 χ^2/NDF: 3517.7/38

In: -37.955+/-0.240 χ^2/NDF:3879.8/40

Out: -37.112+/-0.232 χ^2/NDF:2688.4/45

All: -37.519+/-0.167 χ^2/NDF: 6574.6/86



Right In: -122.696+/-0.708 χ^2/NDF: 235.2/17

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -122.156+/-0.697 χ^2/NDF: 428.4/20

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

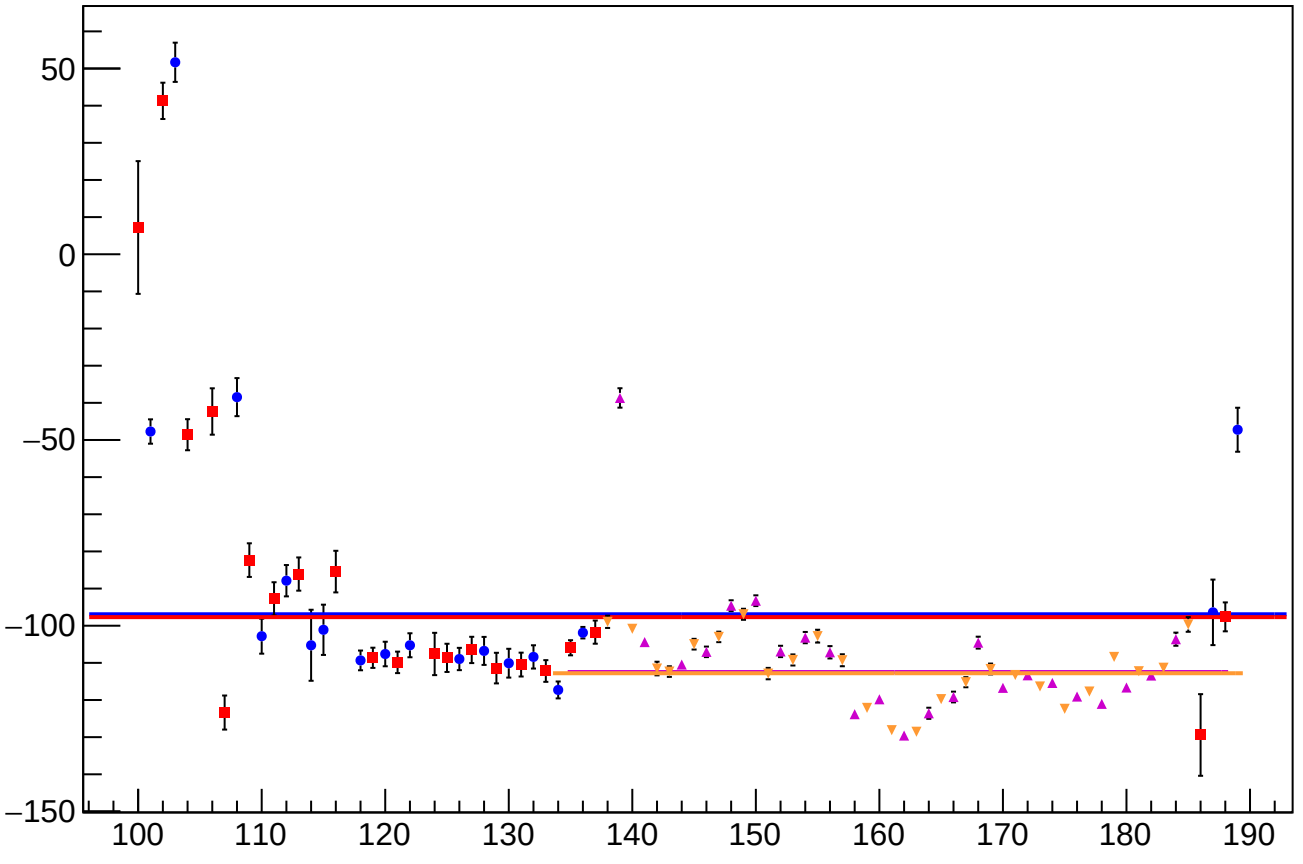
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -122.422+/-0.497 χ^2/NDF: 663.9/38

In: -100.134+/-0.292 χ^2/NDF:2430.3/40

Out: -99.197+/-0.283 χ^2/NDF:2627.1/45

All: -99.650+/-0.203 χ^2/NDF: 5062.7/86



Right In: -96.919+/-0.783 χ^2/NDF: 1402.4/17

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -97.687+/-0.821 χ^2/NDF: 1244.8/20

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

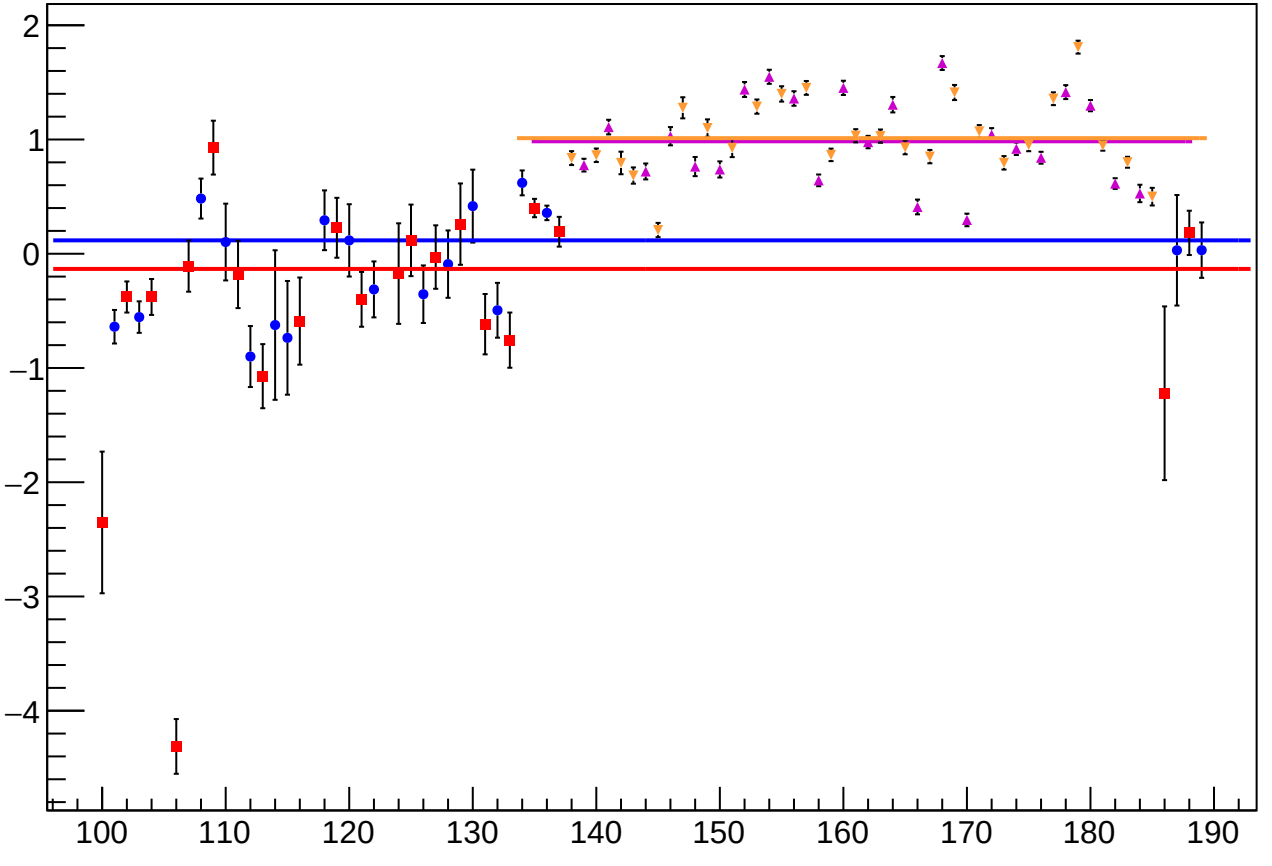
Right: -97.285+/-0.567 χ^2/NDF: 2647.7/38

In: -110.648+/-0.268 χ^2/NDF:3539.3/40

Out: -111.280+/-0.260 χ^2/NDF:2485.7/45

All: -110.973+/-0.186 χ^2/NDF: 6027.8/86

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.117+/-0.040 χ^2/NDF: 124.1/17

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.133+/-0.044 χ^2/NDF: 425.8/20

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

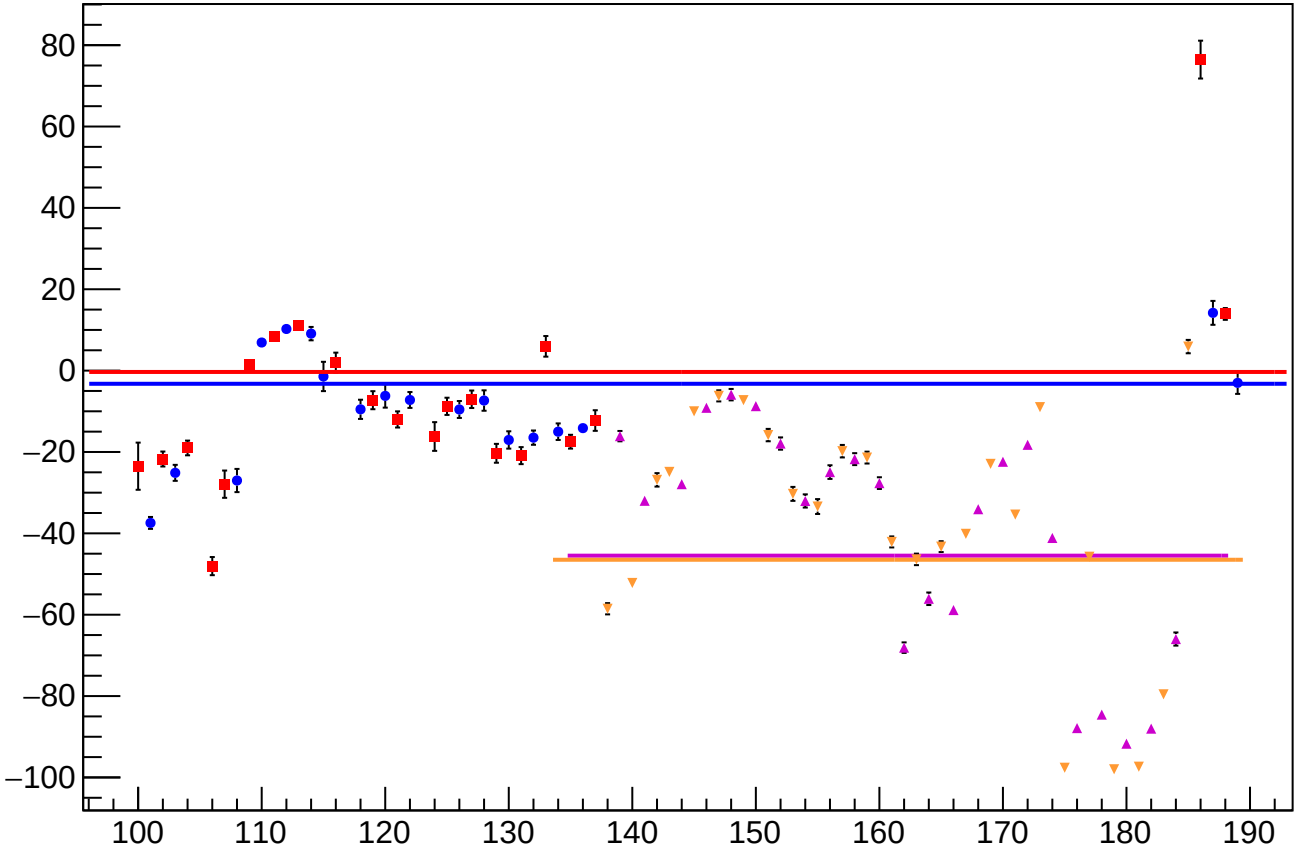
Right: 0.002+/-0.030 χ^2/NDF: 567.4/38

In: 0.908+/-0.012 χ^2/NDF:1442.5/40

Out: 0.928+/-0.012 χ^2/NDF:1754.2/45

All: 0.918+/-0.008 χ^2/NDF: 3198.1/86

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.236+/-0.370 χ^2/NDF: 1565.0/17

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -0.329+/-0.329 χ^2/NDF: 1906.0/20

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

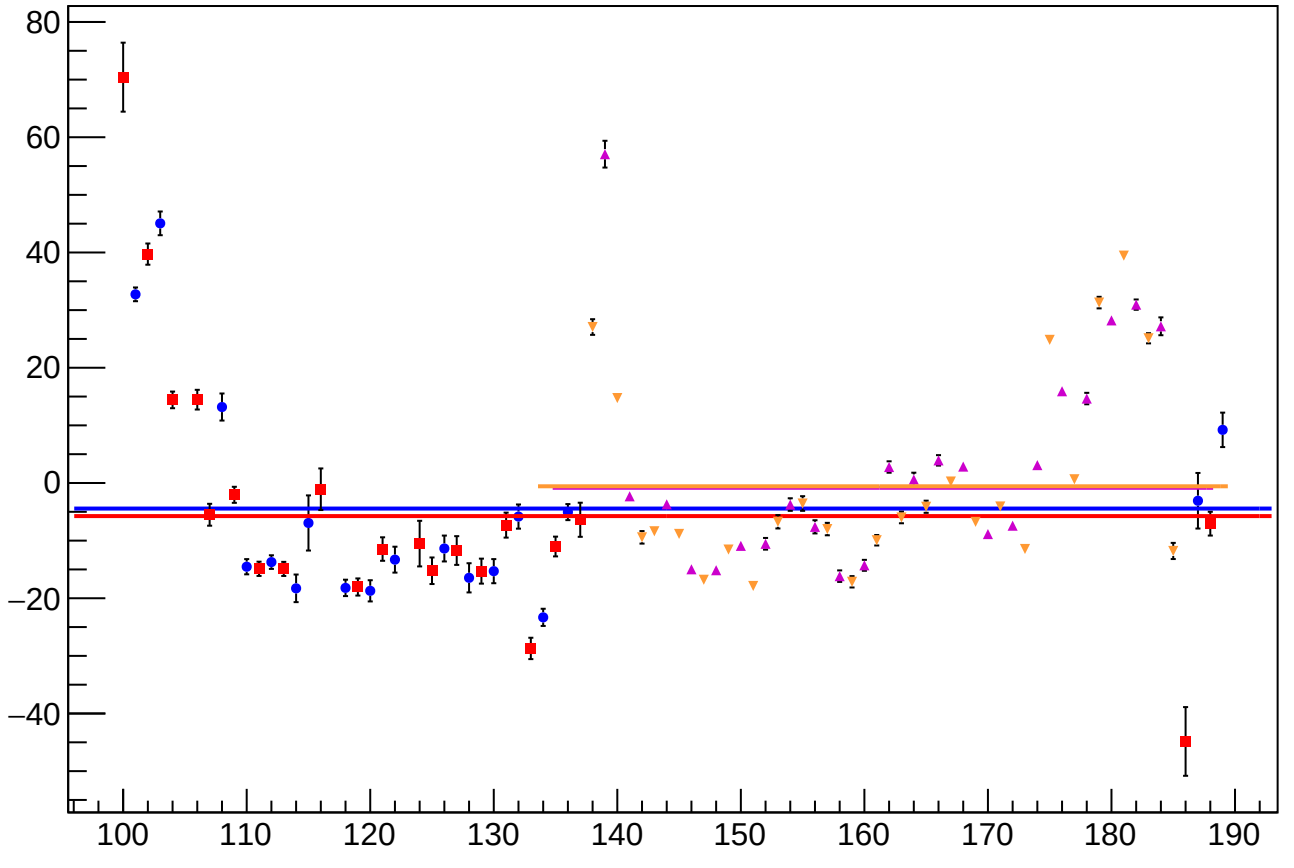
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -1.611+/-0.246 χ^2/NDF: 3505.4/38

In: -33.154+/-0.200 χ^2/NDF:26359.4/40

Out: -31.315+/-0.189 χ^2/NDF:35188.0/45

All: -32.180+/-0.137 χ^2/NDF: 61592.2/86



Right In: -4.435+/-0.425 χ^2/NDF: 2169.4/17

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -5.742+/-0.413 χ^2/NDF: 1552.3/20

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

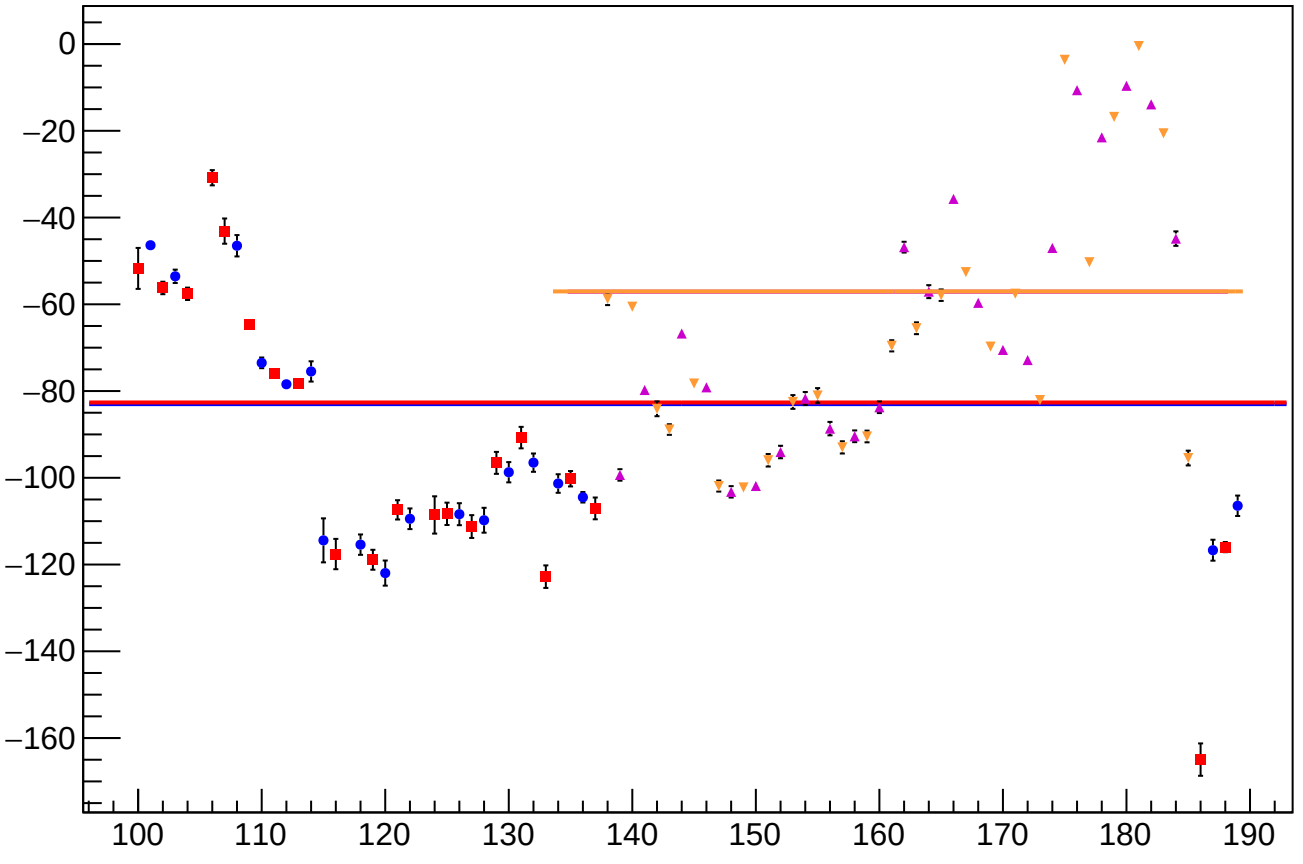
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -5.108+/-0.296 χ^2/NDF: 3726.6/38

In: -1.393+/-0.168 χ^2/NDF:8346.8/40

Out: -1.378+/-0.163 χ^2/NDF:10136.4/45

All: -1.385+/-0.117 χ^2/NDF: 18483.2/86



Right In: -83.015+/-0.424 χ^2/NDF: 3183.3/17

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.634+/-0.391 χ^2/NDF: 4586.7/20

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

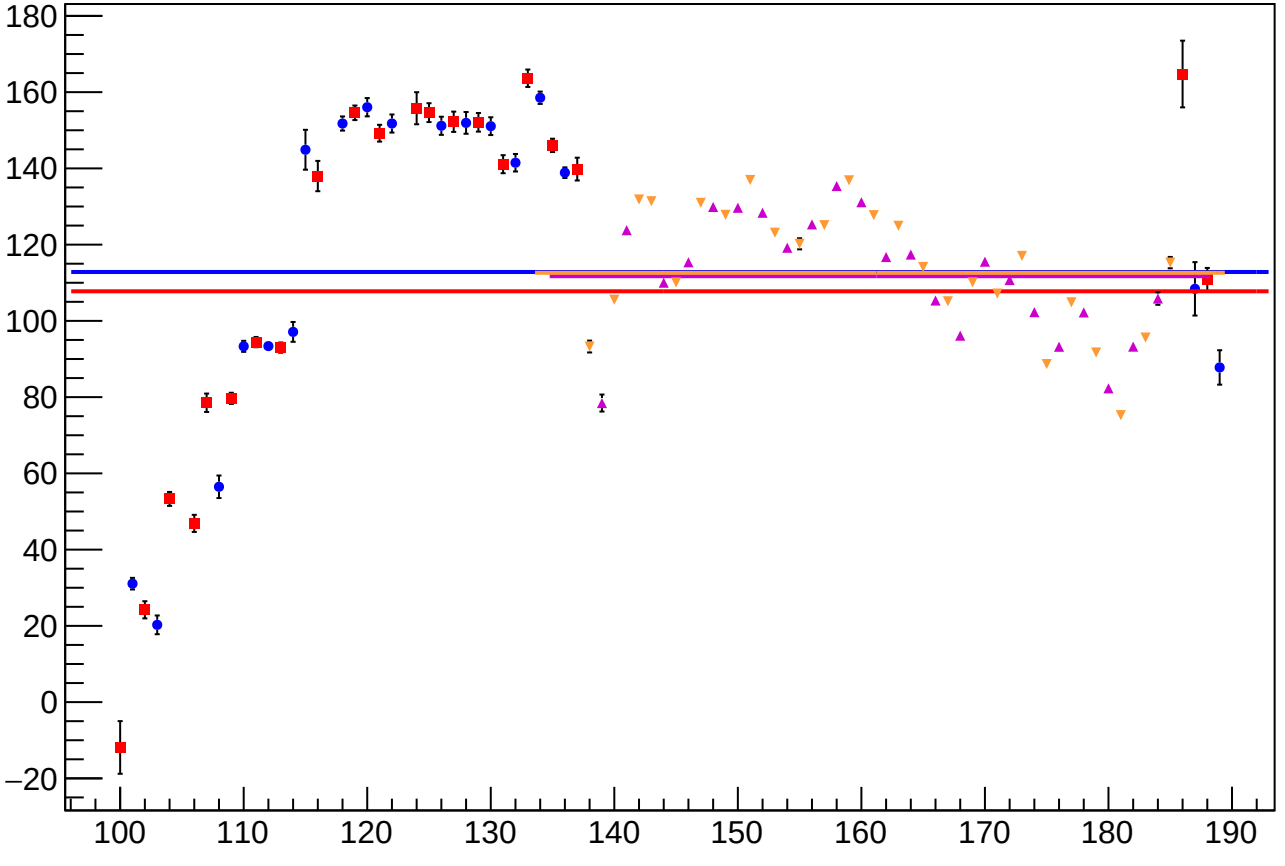
Right: -82.809+/-0.287 χ^2/NDF: 7770.4/38

In: -63.240+/-0.207 χ^2/NDF:23199.1/40

Out: -63.618+/-0.198 χ^2/NDF:28088.6/45

All: -63.437+/-0.143 χ^2/NDF: 51289.4/86

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 112.828+/-0.485 χ^2/NDF: 8235.6/17

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.763+/-0.473 χ^2/NDF: 7587.8/20

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

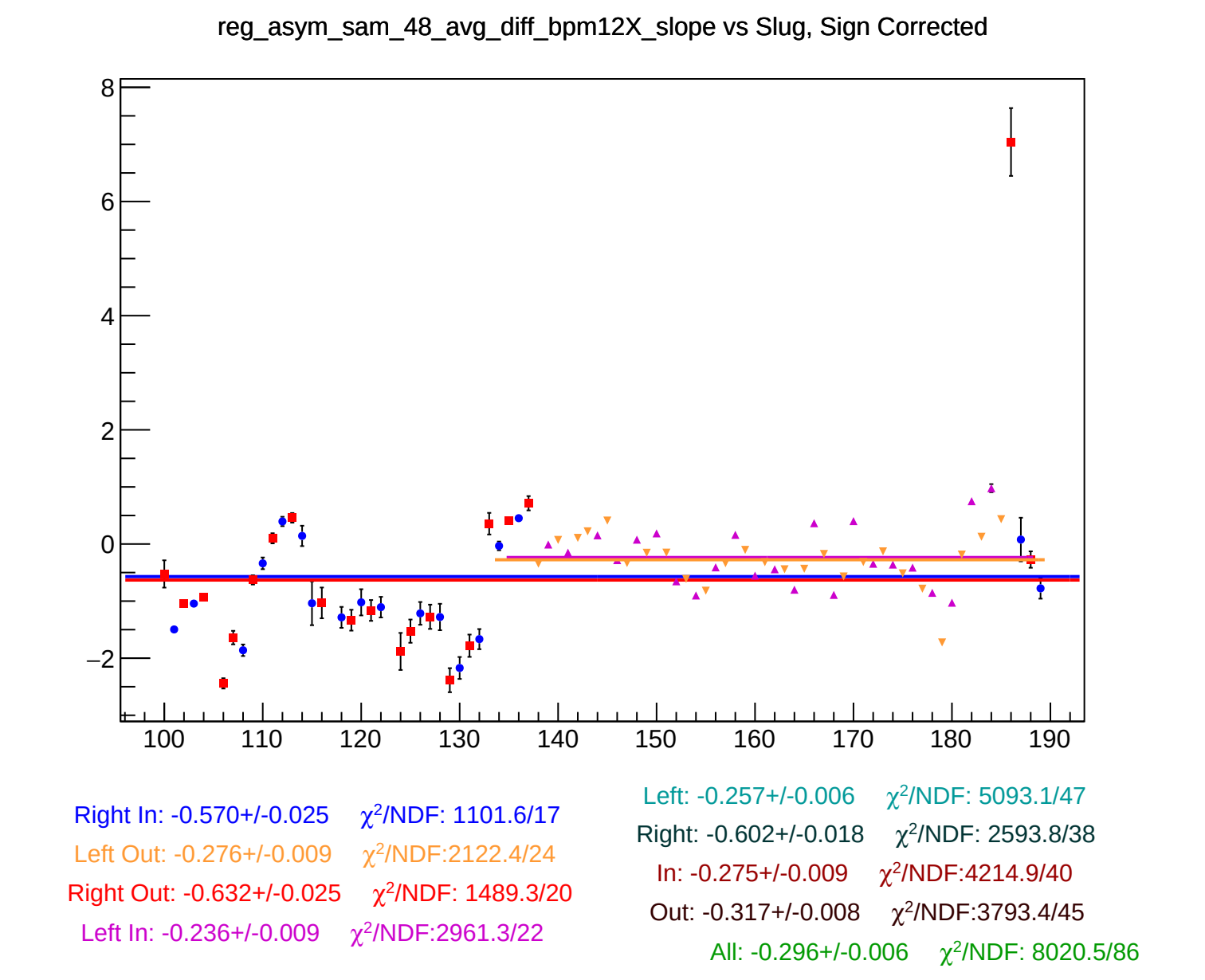
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

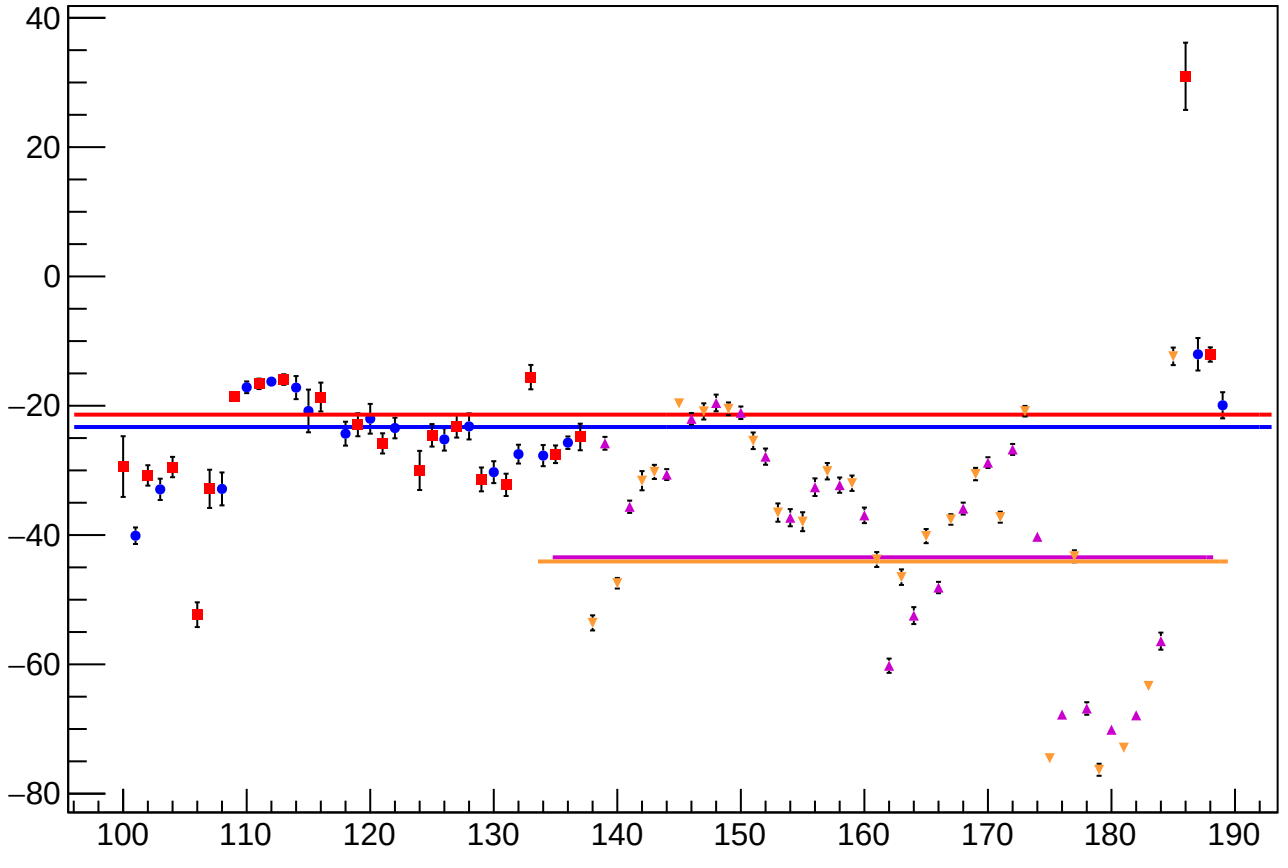
Right: 110.231+/-0.339 χ^2/NDF: 15879.3/38

In: 111.889+/-0.190 χ^2/NDF:13136.8/40

Out: 111.887+/-0.184 χ^2/NDF:14385.5/45

All: 111.888+/-0.132 χ^2/NDF: 27522.3/86


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.570+/-0.025 χ²/NDF: 1101.6/17
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.632+/-0.025 χ²/NDF: 1489.3/20
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.602+/-0.018 χ²/NDF: 2593.8/38
In: -0.275+/-0.009 χ²/NDF:4214.9/40
Out: -0.317+/-0.008 χ²/NDF:3793.4/45
All: -0.296+/-0.006 χ²/NDF: 8020.5/86



Right In: -23.291+/-0.340 χ^2/NDF: 430.1/17

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -21.375+/-0.309 χ^2/NDF: 732.2/20

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

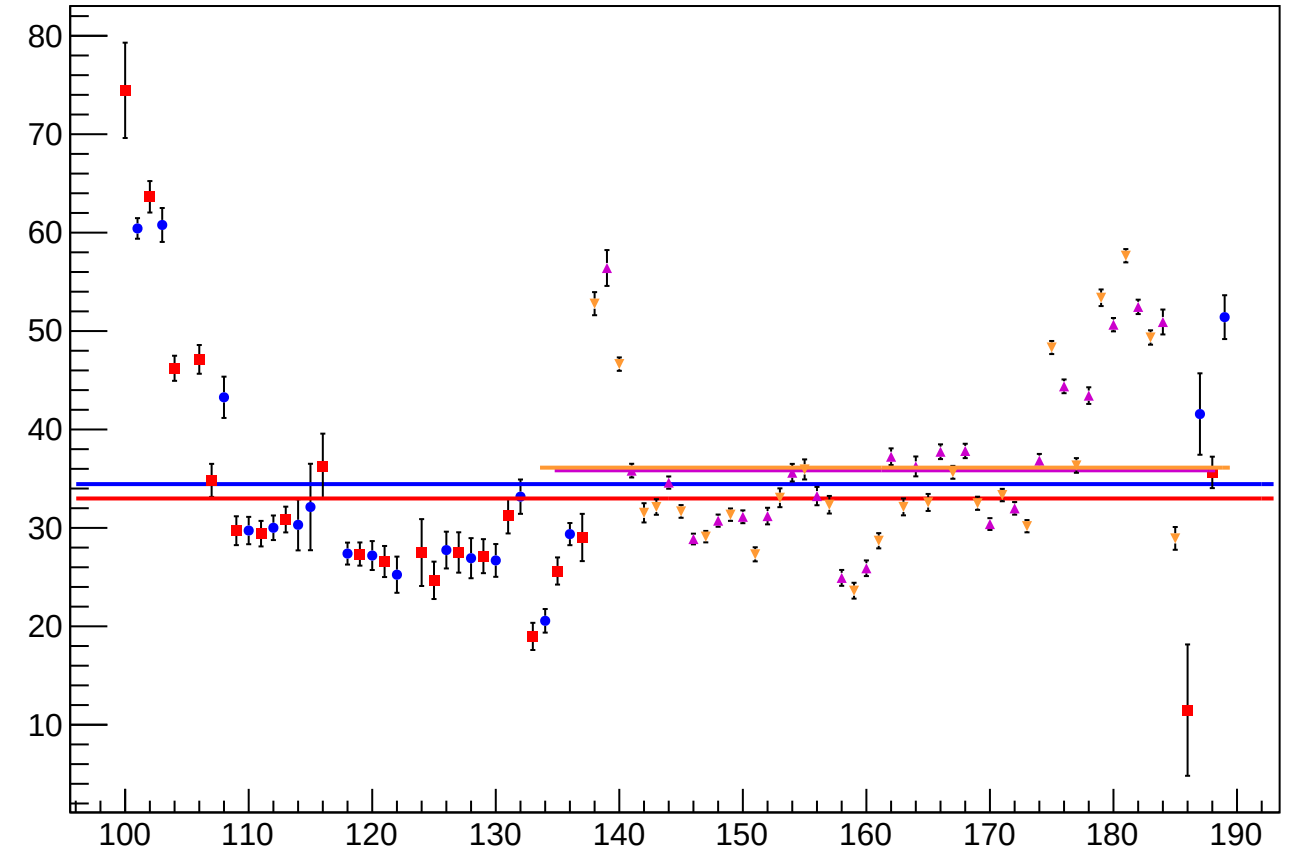
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -22.240+/-0.229 χ^2/NDF: 1179.7/38

In: -38.315+/-0.172 χ^2/NDF:10868.5/40

Out: -37.698+/-0.164 χ^2/NDF:14967.1/45

All: -37.992+/-0.118 χ^2/NDF: 25842.4/86



Right In: 34.450+/-0.369 χ^2/NDF: 1247.5/17

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 32.989+/-0.362 χ^2/NDF: 888.1/20

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

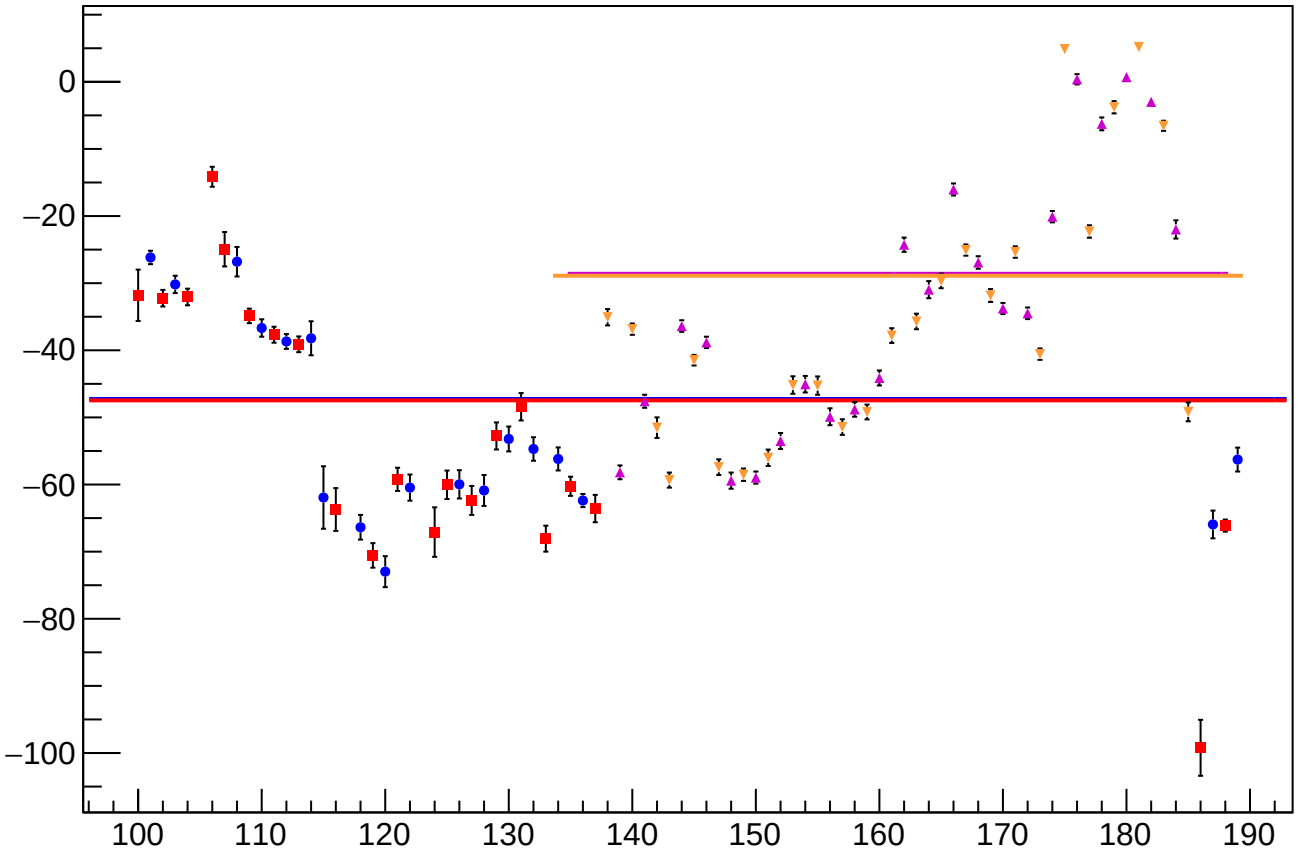
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 33.707+/-0.258 χ^2/NDF: 2143.6/38

In: 35.641+/-0.143 χ^2/NDF:3553.3/40

Out: 35.664+/-0.139 χ^2/NDF:4510.6/45

All: 35.653+/-0.099 χ^2/NDF: 8063.9/86



Right In: -47.258+/-0.375 χ^2/NDF: 1605.1/17

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.457+/-0.348 χ^2/NDF: 2344.8/20

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

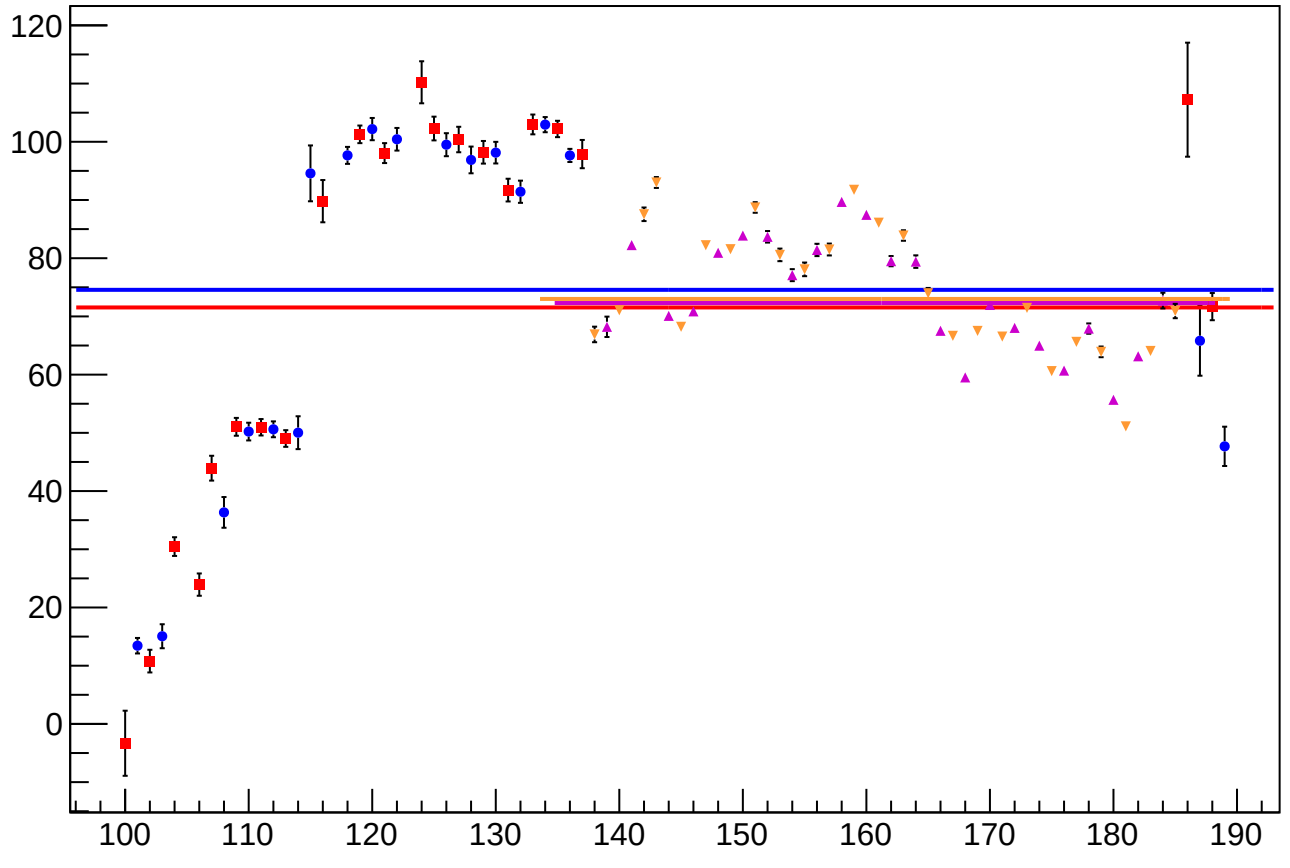
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -47.365+/-0.255 χ^2/NDF: 3950.0/38

In: -32.672+/-0.175 χ^2/NDF:13559.6/40

Out: -33.259+/-0.169 χ^2/NDF:16326.0/45

All: -32.977+/-0.121 χ^2/NDF: 29891.4/86



Right In: 74.567+/-0.423 χ^2/NDF: 5895.1/17

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.541+/-0.418 χ^2/NDF: 5641.5/20

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

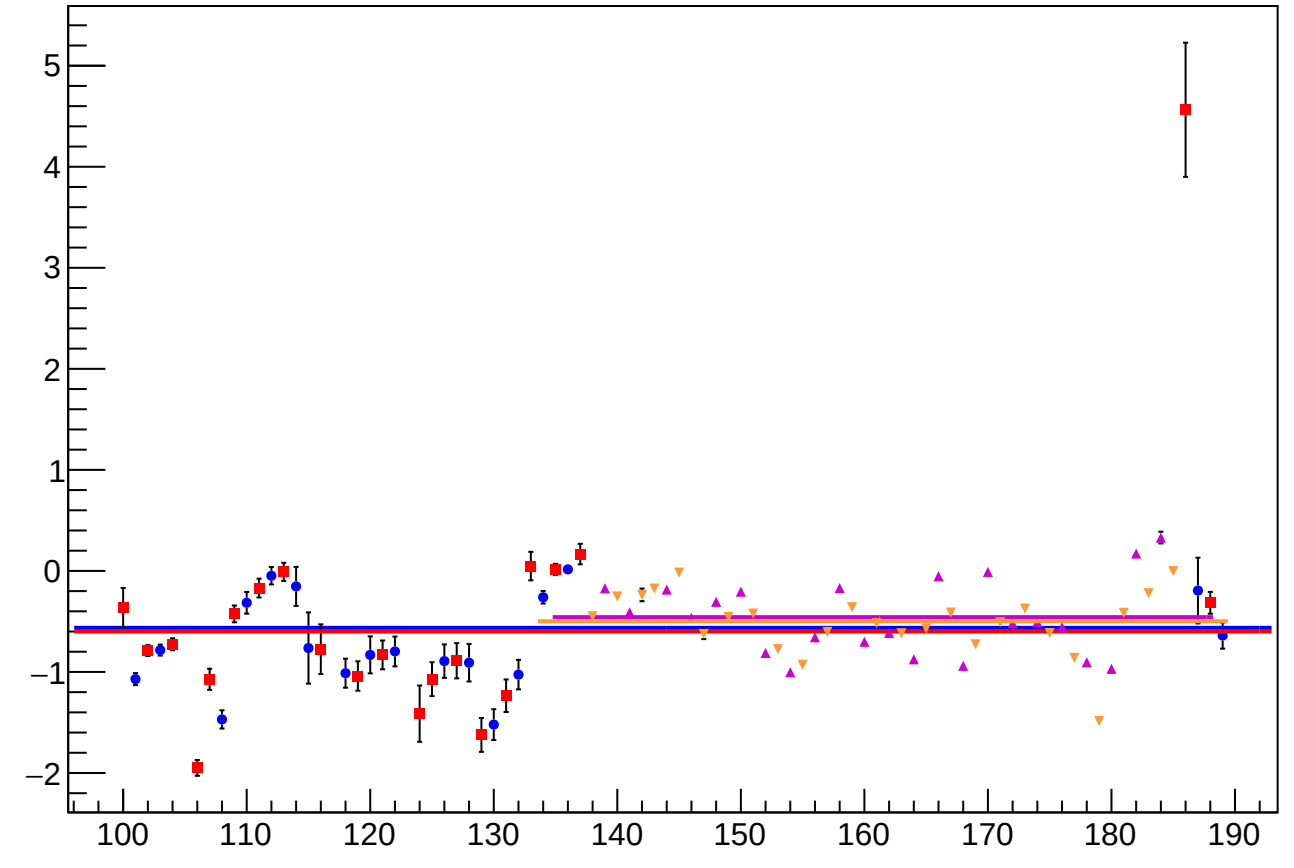
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 73.037+/-0.297 χ^2/NDF: 11562.4/38

In: 72.628+/-0.160 χ^2/NDF:8832.2/40

Out: 72.798+/-0.156 χ^2/NDF:9704.4/45

All: 72.715+/-0.112 χ^2/NDF: 18537.1/86



Right In: -0.563+/-0.022 χ^2/NDF: 494.6/17

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.599+/-0.022 χ^2/NDF: 758.0/20

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

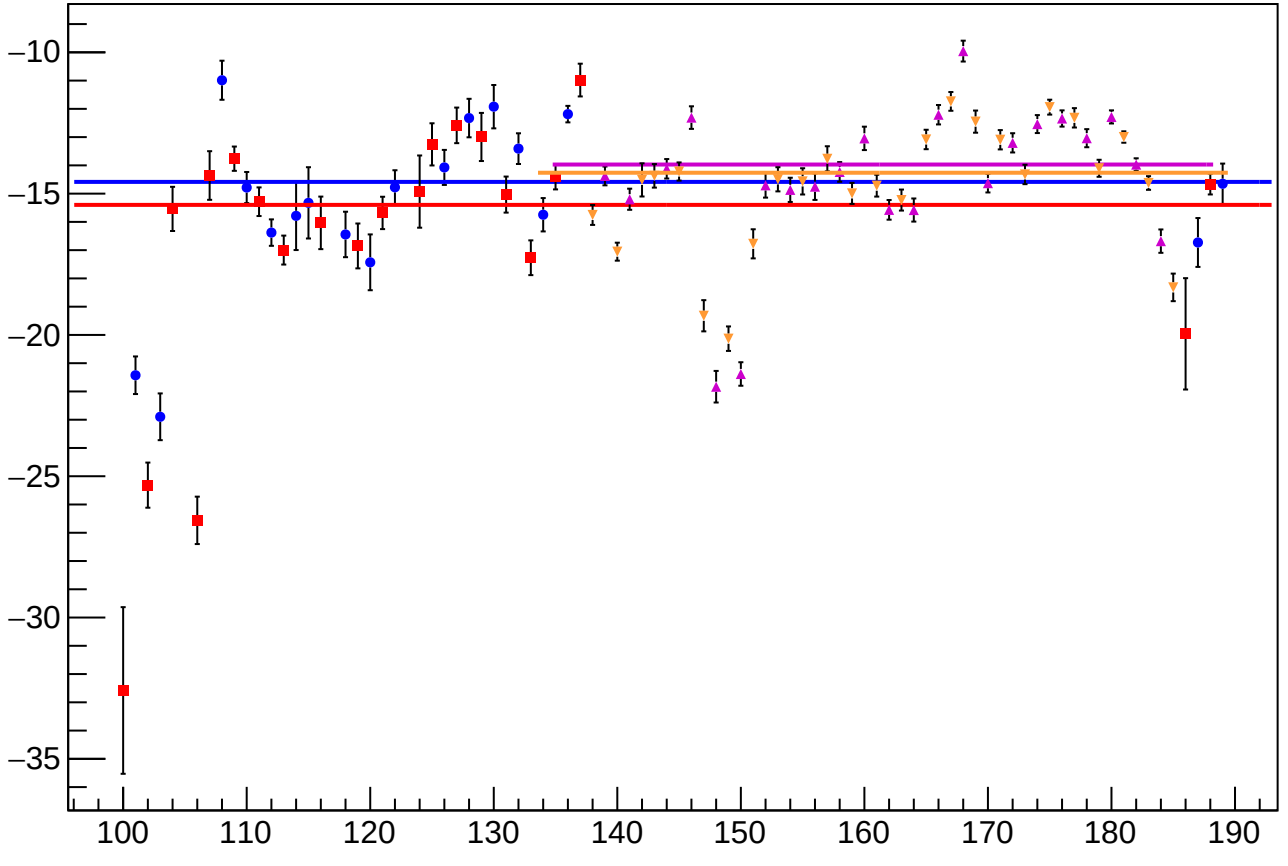
Right: -0.582+/-0.015 χ^2/NDF: 1254.0/38

In: -0.469+/-0.007 χ^2/NDF:2618.6/40

Out: -0.509+/-0.007 χ^2/NDF:2260.3/45

All: -0.489+/-0.005 χ^2/NDF: 4894.3/86

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -14.585+/-0.144 χ^2/NDF: 369.7/17

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.398+/-0.139 χ^2/NDF: 513.6/20

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

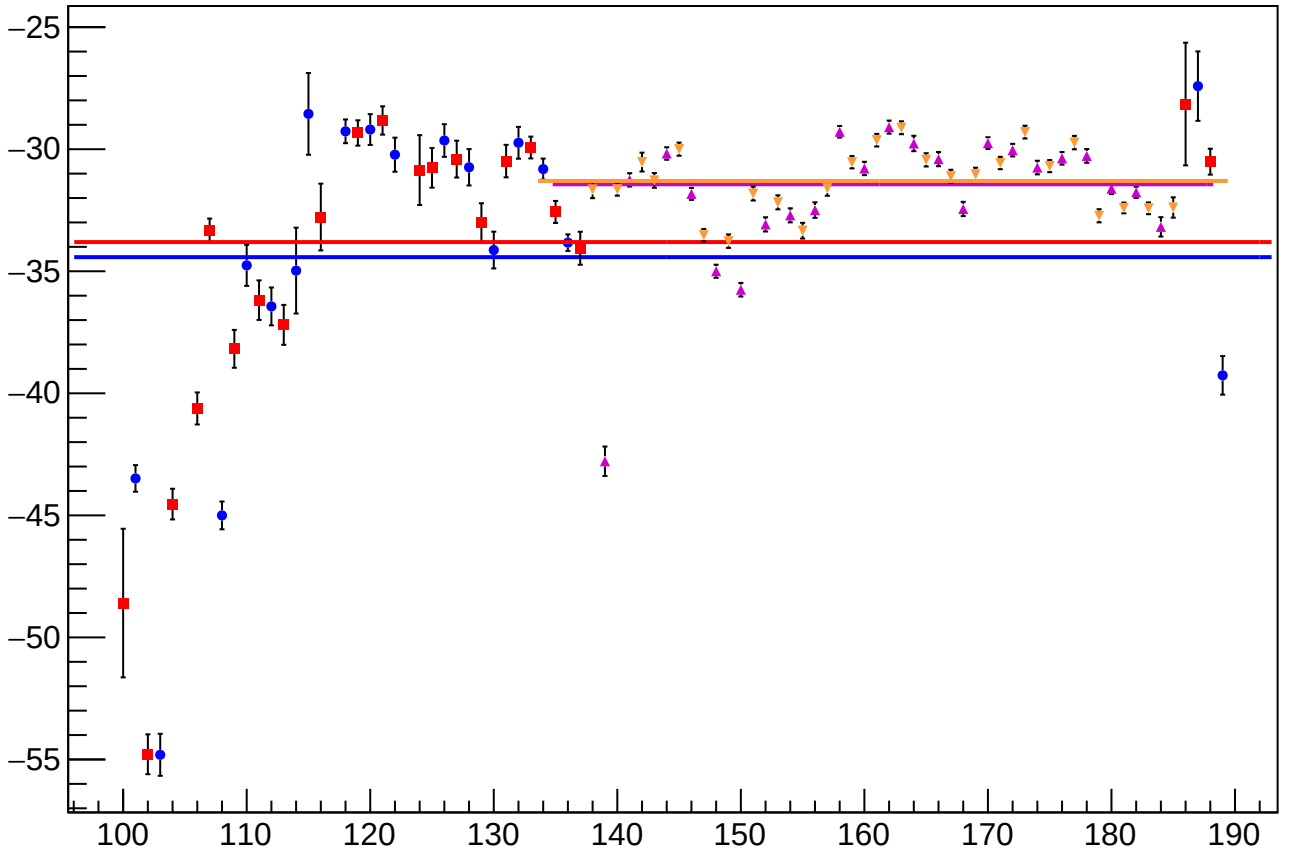
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -15.008+/-0.100 χ^2/NDF: 899.9/38

In: -14.092+/-0.064 χ^2/NDF:1292.0/40

Out: -14.490+/-0.062 χ^2/NDF:1291.5/45

All: -14.298+/-0.045 χ^2/NDF: 2603.2/86



Right In: -34.422+/-0.150 χ^2/NDF: 1682.9/17

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -33.804+/-0.148 χ^2/NDF: 1482.2/20

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

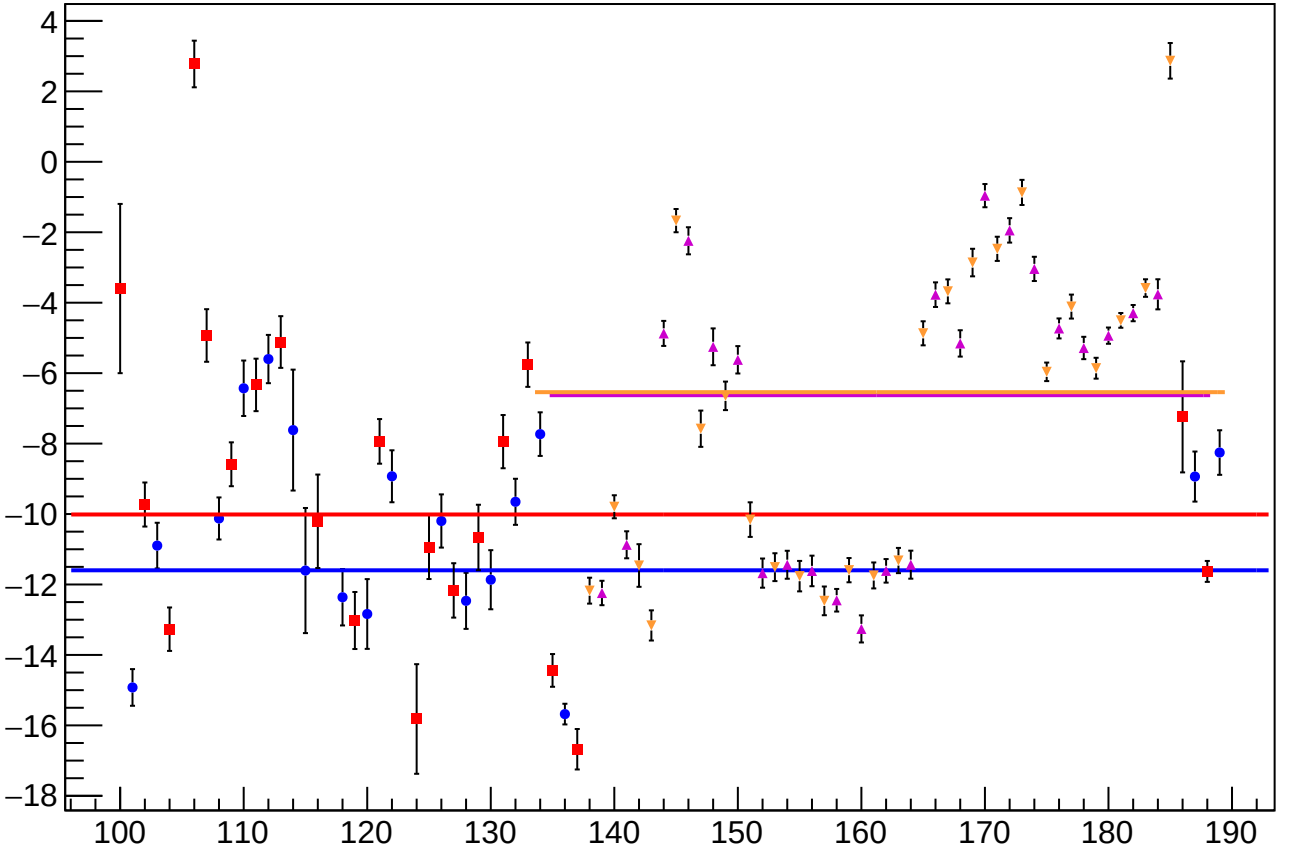
Right: -34.109+/-0.105 χ^2/NDF: 3173.7/38

In: -31.818+/-0.054 χ^2/NDF:3245.0/40

Out: -31.608+/-0.052 χ^2/NDF:2287.3/45

All: -31.709+/-0.037 χ^2/NDF: 5540.2/86

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.597+/-0.152 χ^2/NDF: 476.7/17

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -10.013+/-0.144 χ^2/NDF: 887.9/20

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

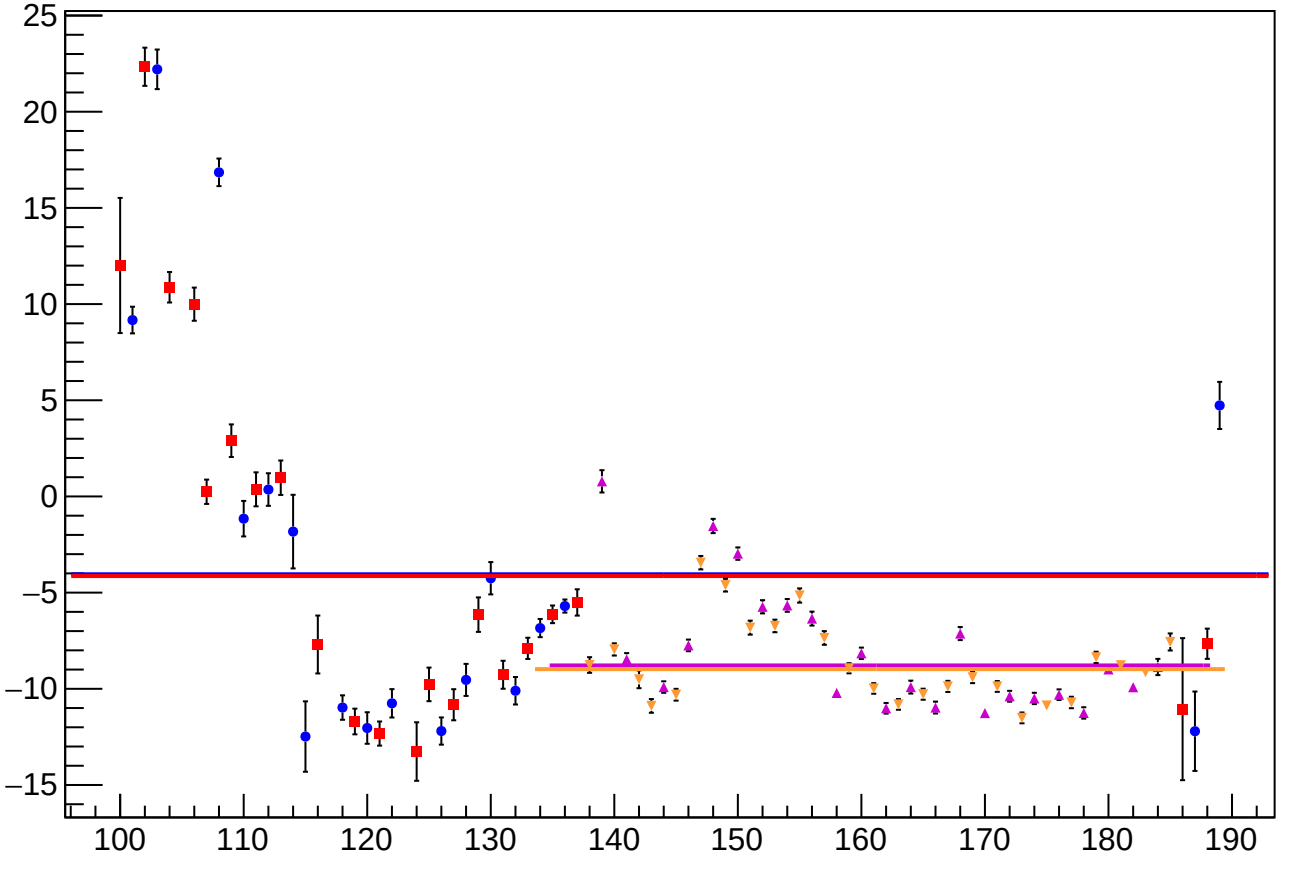
Right: -10.763+/-0.104 χ^2/NDF: 1422.0/38

In: -7.528+/-0.065 χ^2/NDF:4264.3/40

Out: -7.198+/-0.063 χ^2/NDF:4603.2/45

All: -7.358+/-0.045 χ^2/NDF: 8881.0/86

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.046+/-0.170 χ^2/NDF: 2592.4/17

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -4.139+/-0.172 χ^2/NDF: 2134.9/20

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

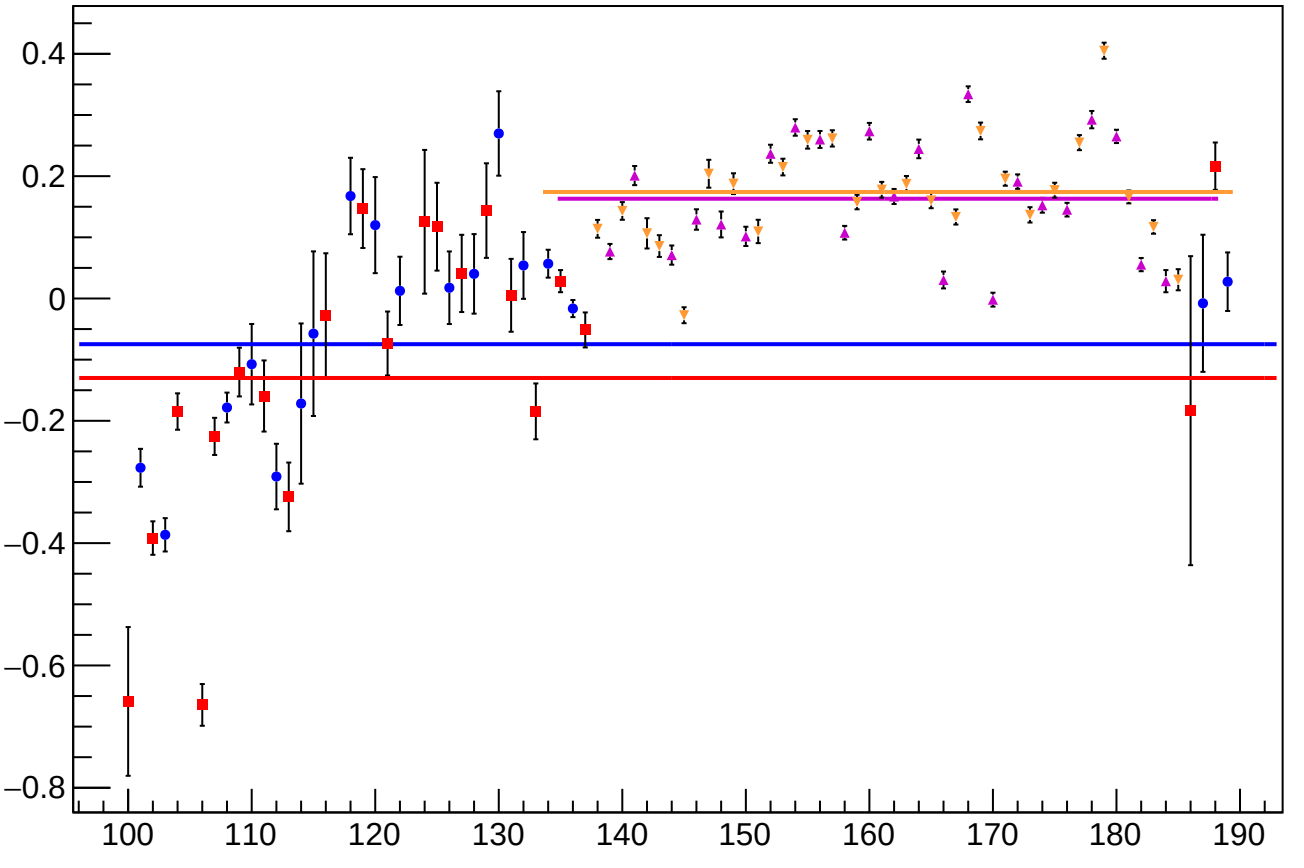
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -4.092+/-0.121 χ^2/NDF: 4727.5/38

In: -8.205+/-0.059 χ^2/NDF:4961.7/40

Out: -8.427+/-0.058 χ^2/NDF:3811.6/45

All: -8.319+/-0.041 χ^2/NDF: 8780.5/86



Right In: -0.075+/-0.008 χ^2/NDF: 323.9/17

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.130+/-0.009 χ^2/NDF: 609.4/20

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

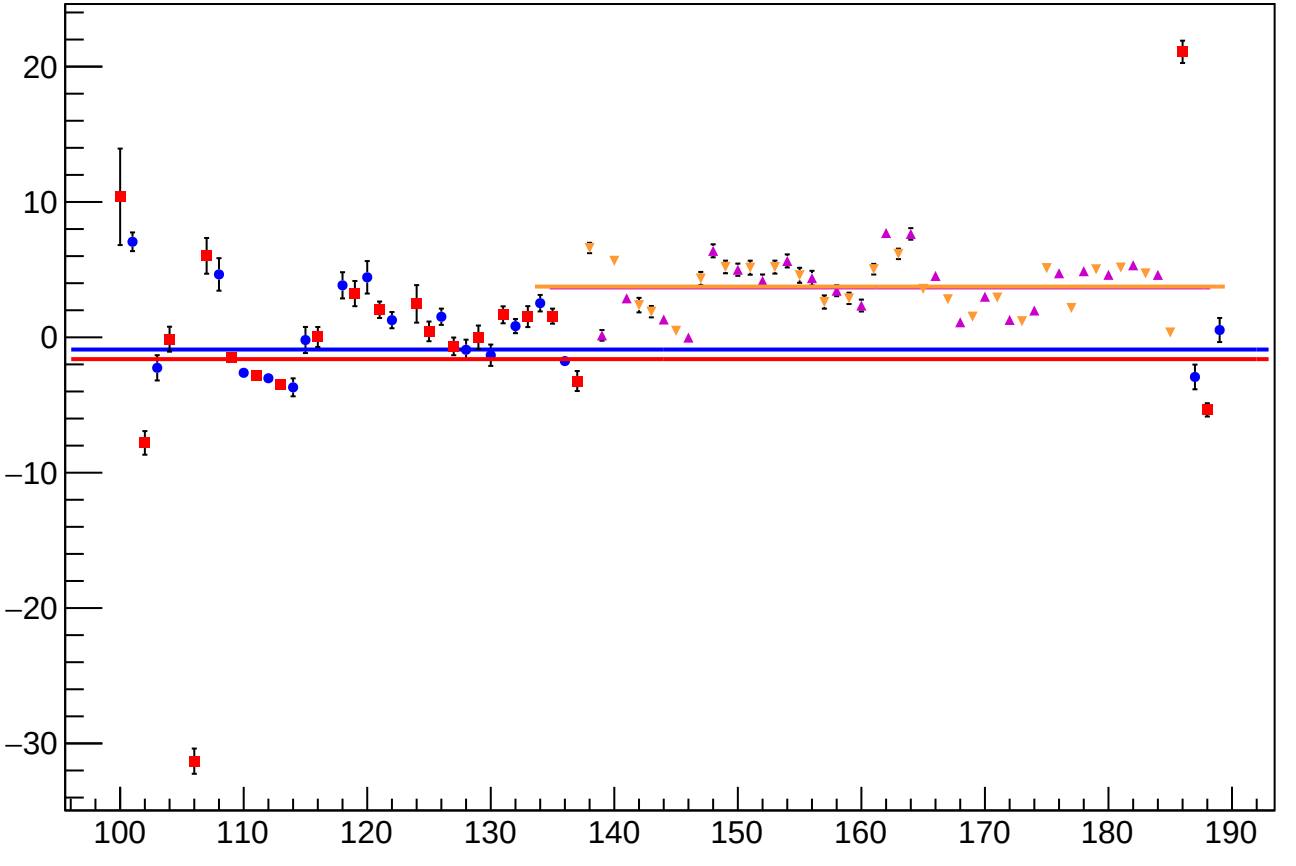
Right: -0.101+/-0.006 χ^2/NDF: 953.8/38

In: 0.140+/-0.003 χ^2/NDF:2239.9/40

Out: 0.148+/-0.003 χ^2/NDF:2615.9/45

All: 0.144+/-0.002 χ^2/NDF: 4860.4/86

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.901+/-0.134 χ^2/NDF: 387.8/17

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -1.610+/-0.123 χ^2/NDF: 2151.4/20

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

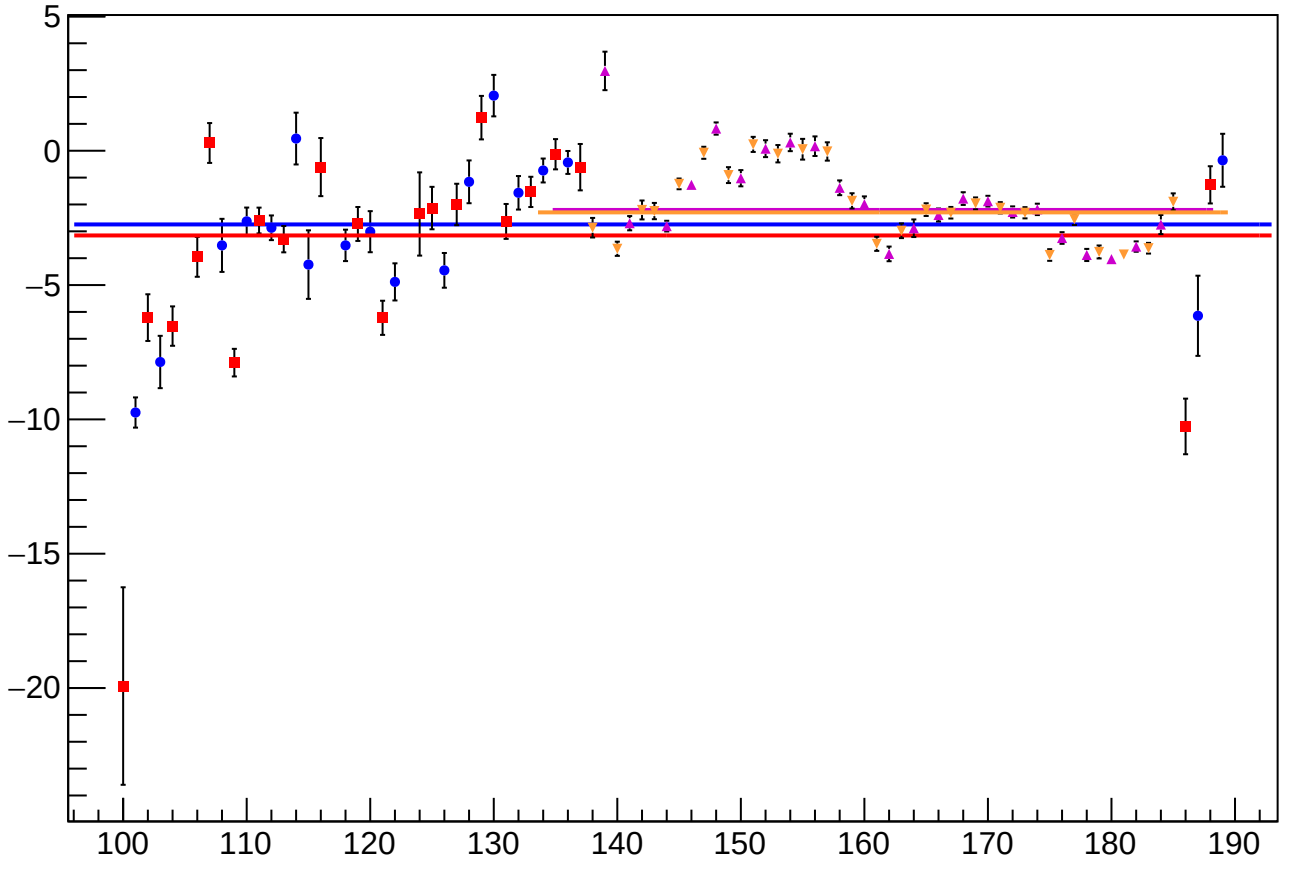
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -1.285+/-0.090 χ^2/NDF: 2554.5/38

In: 2.833+/-0.058 χ^2/NDF:2301.6/40

Out: 2.662+/-0.055 χ^2/NDF:4479.5/45

All: 2.744+/-0.040 χ^2/NDF: 6785.7/86



Right In: -2.743+/-0.153 χ^2/NDF: 321.2/17

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.153+/-0.152 χ^2/NDF: 327.2/20

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

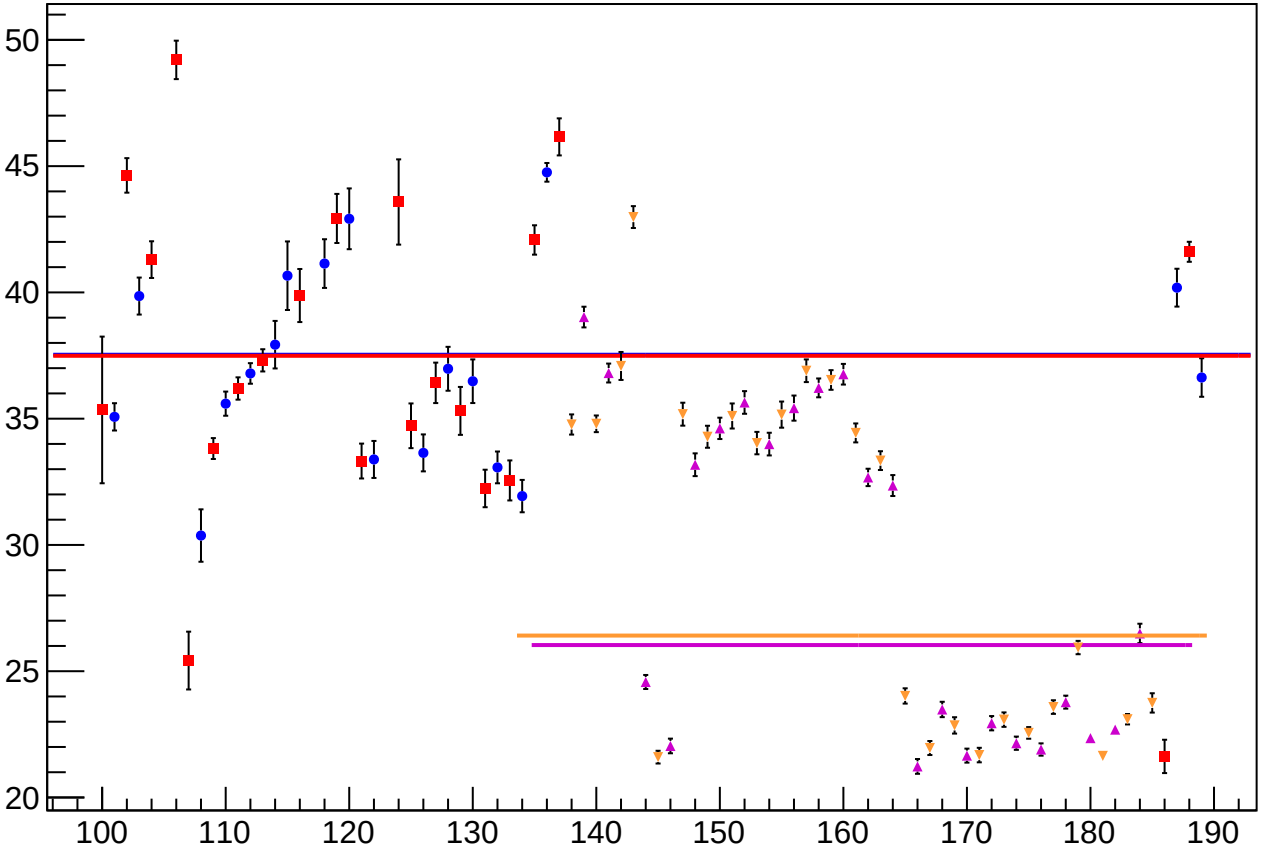
Right: -2.950+/-0.108 χ^2/NDF: 652.0/38

In: -2.257+/-0.048 χ^2/NDF:1056.9/40

Out: -2.377+/-0.047 χ^2/NDF:987.6/45

All: -2.318+/-0.034 χ^2/NDF: 2047.7/86

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.531+/-0.154 χ^2/NDF: 721.2/17

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.490+/-0.144 χ^2/NDF: 1652.3/20

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

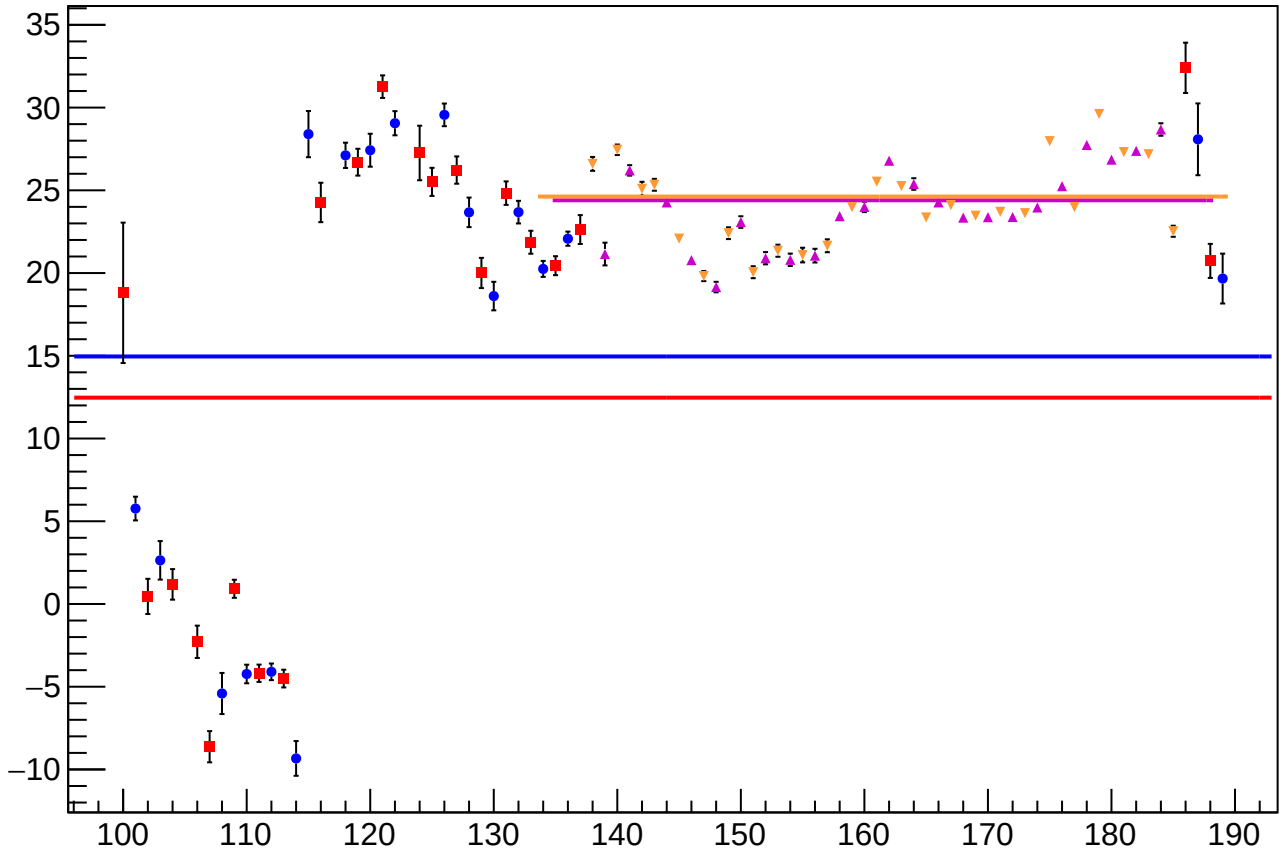
Right: 37.509+/-0.105 χ^2/NDF: 2373.6/38

In: 27.725+/-0.059 χ^2/NDF:13322.3/40

Out: 28.151+/-0.057 χ^2/NDF:15844.1/45

All: 27.944+/-0.041 χ^2/NDF: 29193.2/86

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.959+/-0.172 χ^2/NDF: 5733.4/17

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.469+/-0.173 χ^2/NDF: 6350.5/20

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

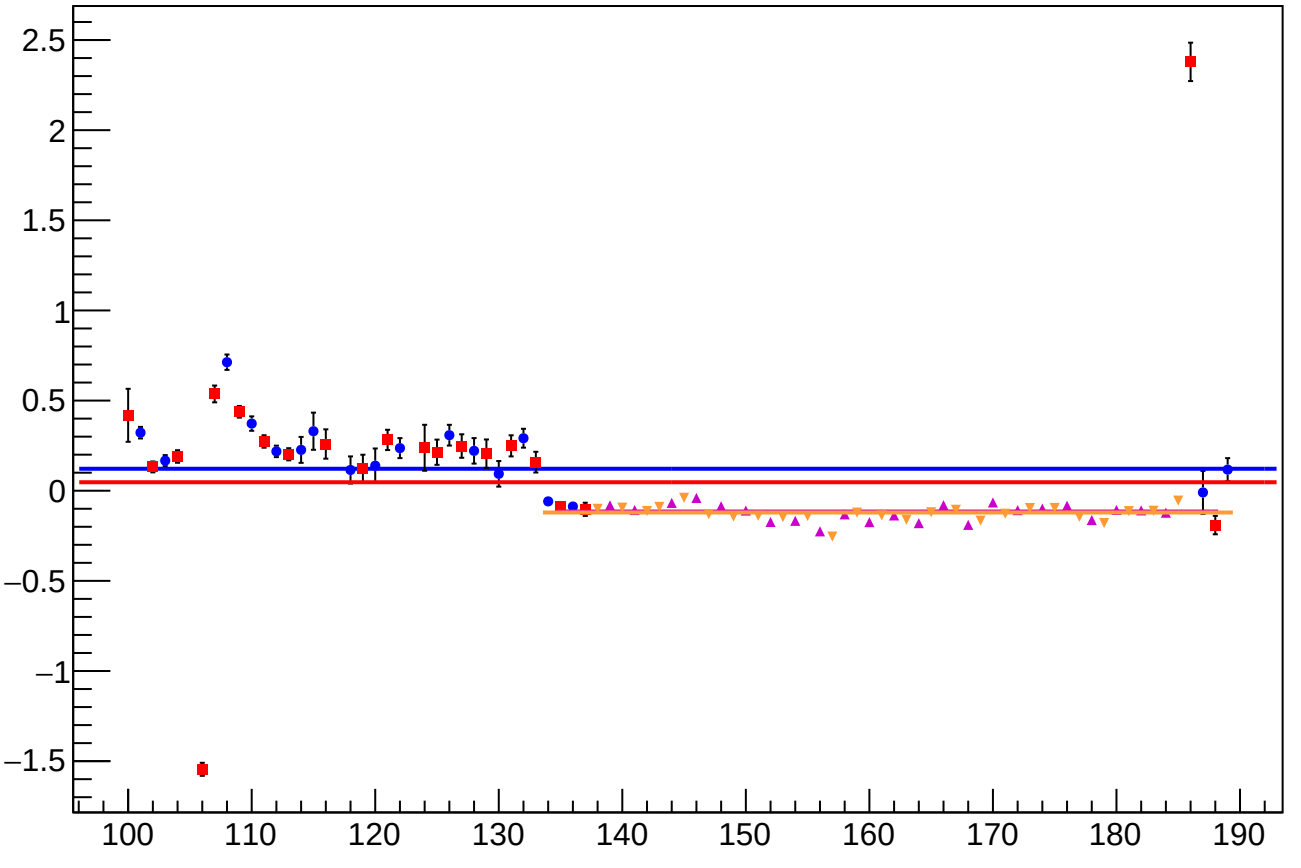
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.721+/-0.122 χ^2/NDF: 12187.9/38

In: 23.481+/-0.054 χ^2/NDF:10162.0/40

Out: 23.504+/-0.053 χ^2/NDF:12775.8/45

All: 23.493+/-0.038 χ^2/NDF: 22937.9/86



Right In: 0.122+/-0.009 χ^2/NDF: 521.2/17

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.047+/-0.010 χ^2/NDF: 2916.7/20

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

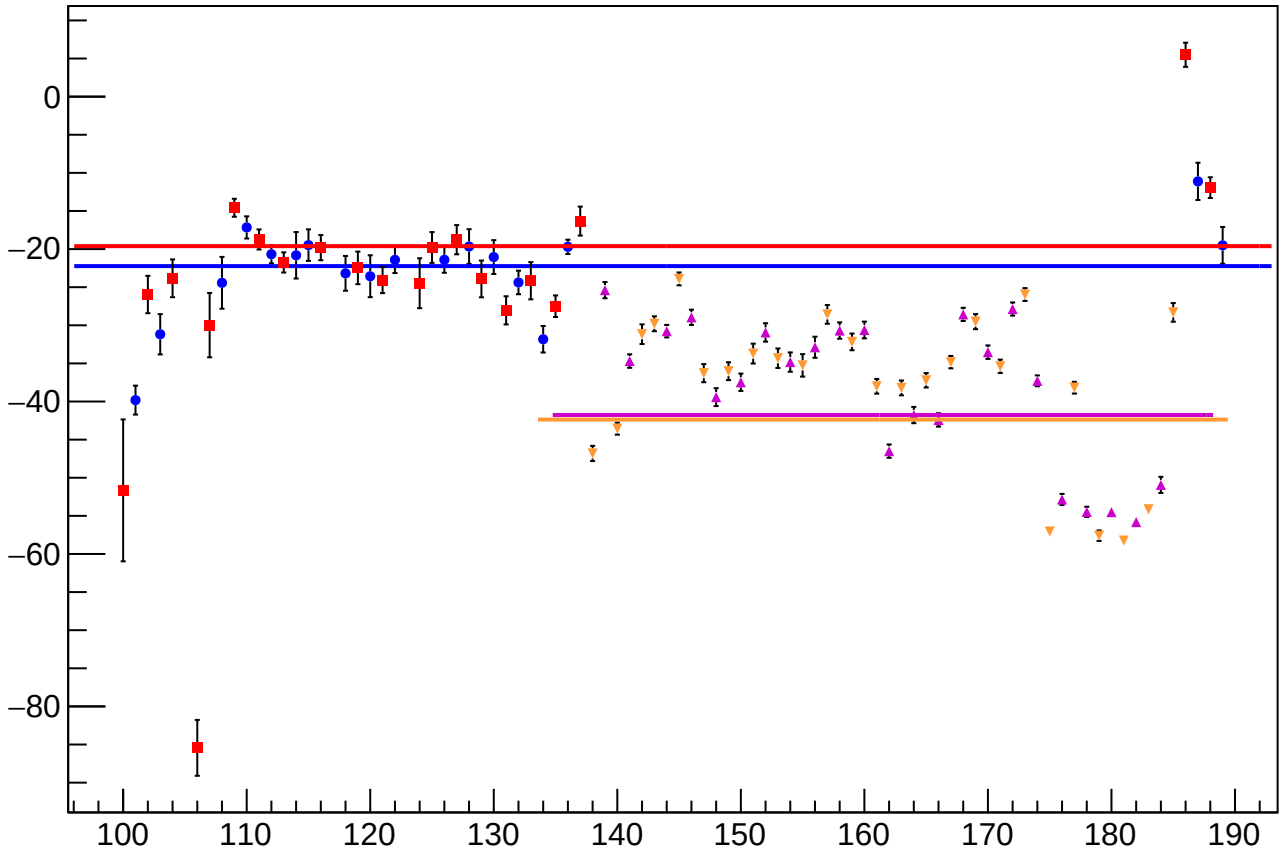
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.086+/-0.007 χ^2/NDF: 3469.4/38

In: -0.099+/-0.002 χ^2/NDF:1420.3/40

Out: -0.110+/-0.002 χ^2/NDF:3468.5/45

All: -0.105+/-0.002 χ^2/NDF: 4899.8/86



Right In: -22.234+/-0.421 χ^2/NDF: 177.5/17

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -19.616+/-0.401 χ^2/NDF: 726.1/20

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

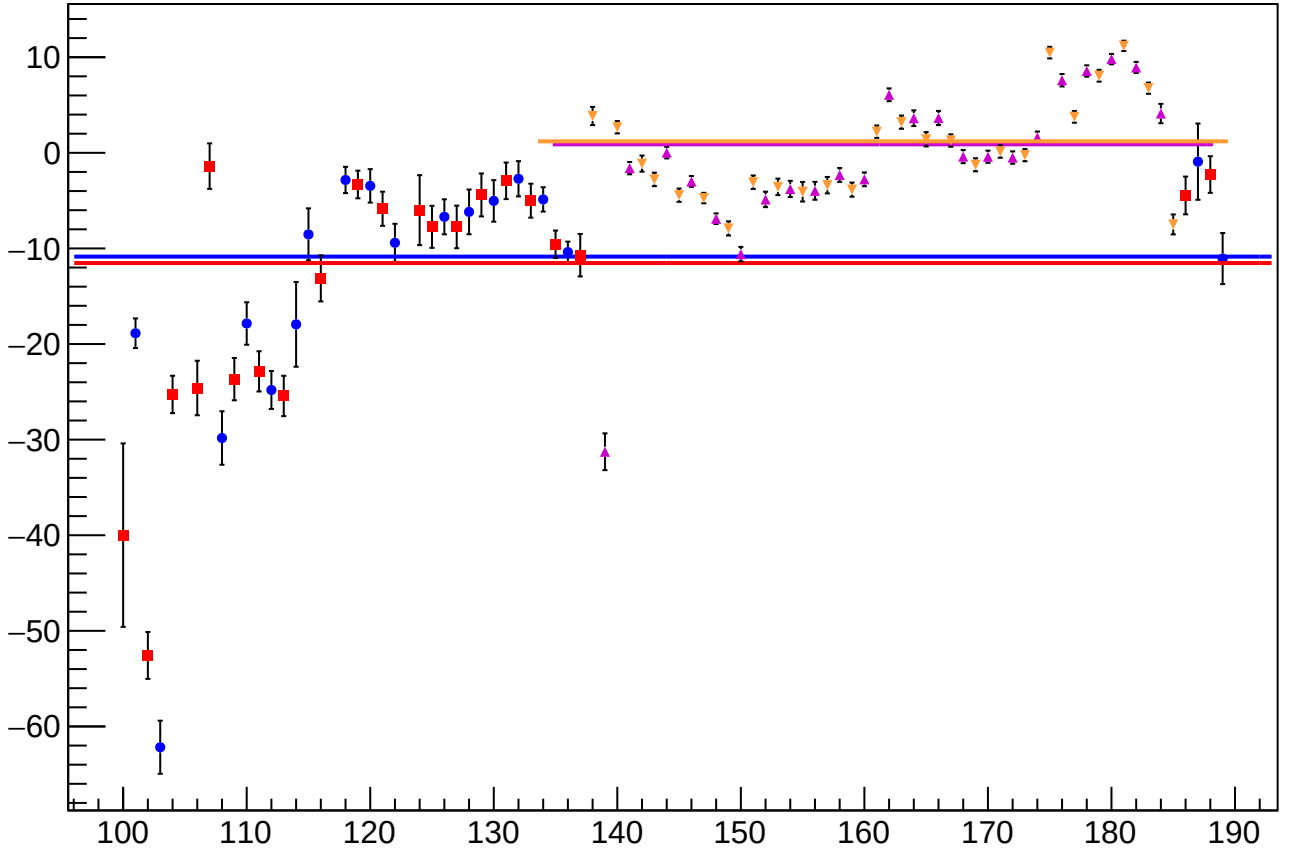
Right: -20.861+/-0.290 χ^2/NDF: 923.8/38

In: -38.700+/-0.167 χ^2/NDF:5448.8/40

Out: -38.719+/-0.161 χ^2/NDF:7906.2/45

All: -38.710+/-0.116 χ^2/NDF: 13355.0/86

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.856+/-0.444 χ^2/NDF: 593.6/17

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -11.529+/-0.454 χ^2/NDF: 612.9/20

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

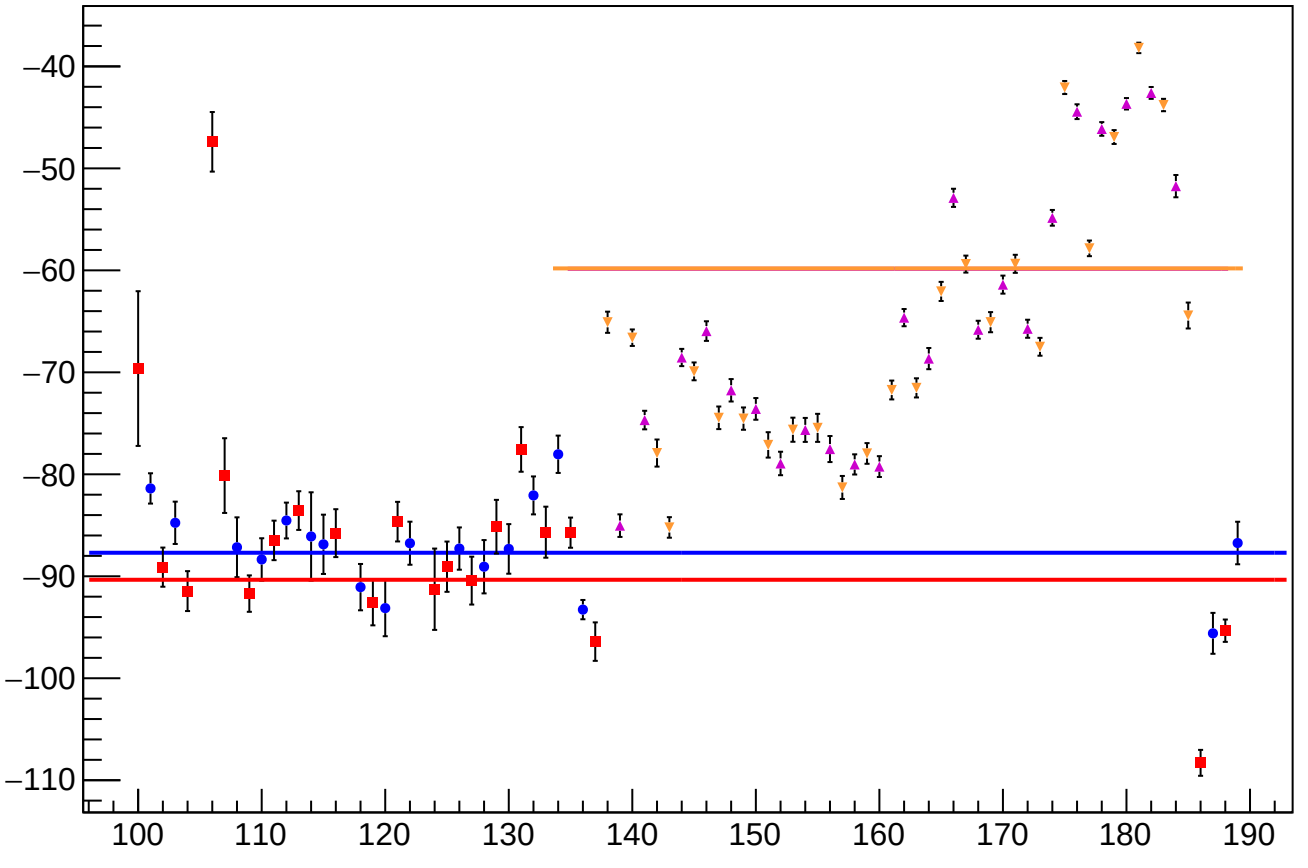
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -11.185+/-0.318 χ^2/NDF: 1207.5/38

In: -0.213+/-0.136 χ^2/NDF:2990.9/40

Out: 0.124+/-0.132 χ^2/NDF:2796.0/45

All: -0.039+/-0.095 χ^2/NDF: 5790.1/86



Right In: -87.693+/-0.456 χ^2/NDF: 117.6/17

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -90.343+/-0.432 χ^2/NDF: 545.0/20

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

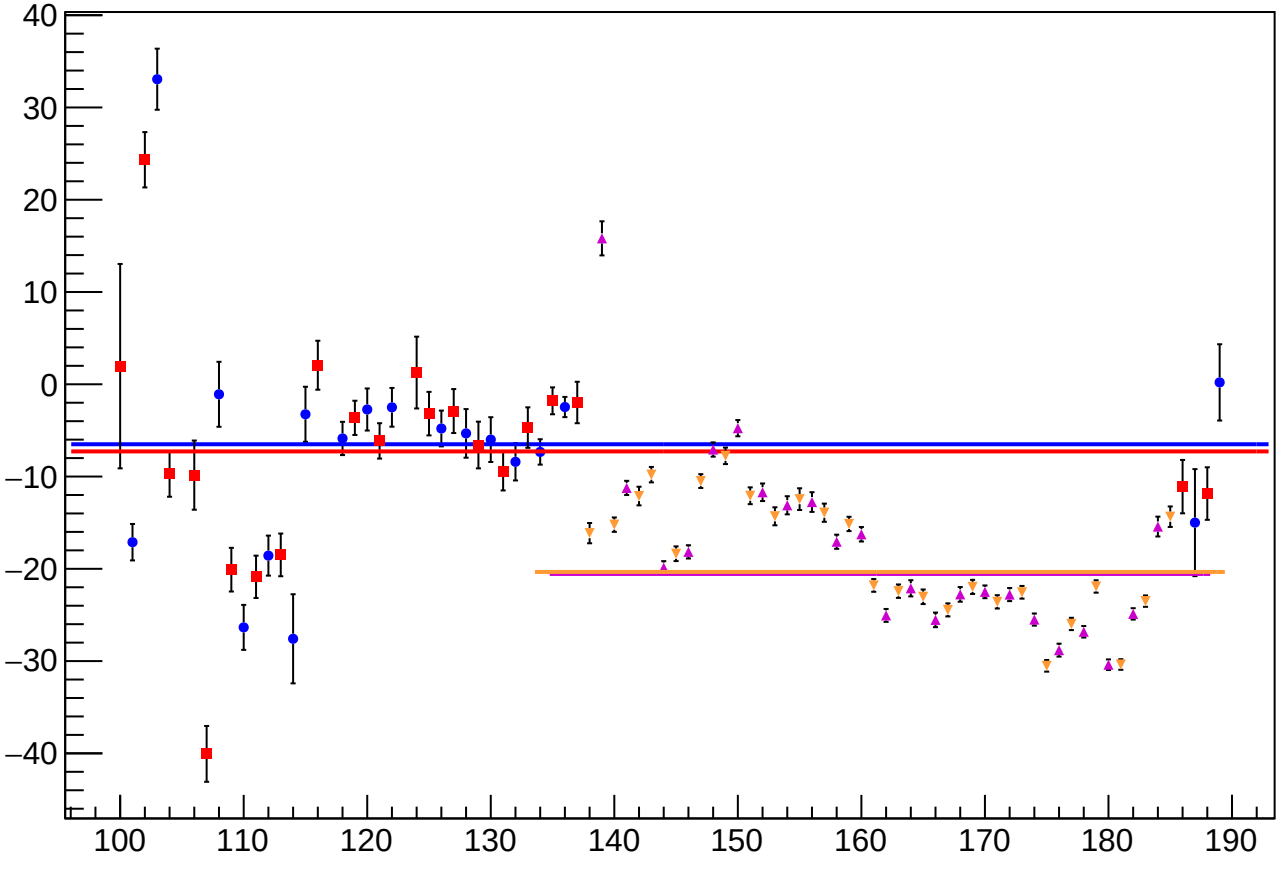
Right: -89.090+/-0.314 χ^2/NDF: 680.4/38

In: -63.638+/-0.168 χ^2/NDF:8872.6/40

Out: -64.127+/-0.162 χ^2/NDF:11480.3/45

All: -63.891+/-0.117 χ^2/NDF: 20357.2/86

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.499+/-0.502 χ^2/NDF: 318.7/17

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -7.278+/-0.523 χ^2/NDF: 372.9/20

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

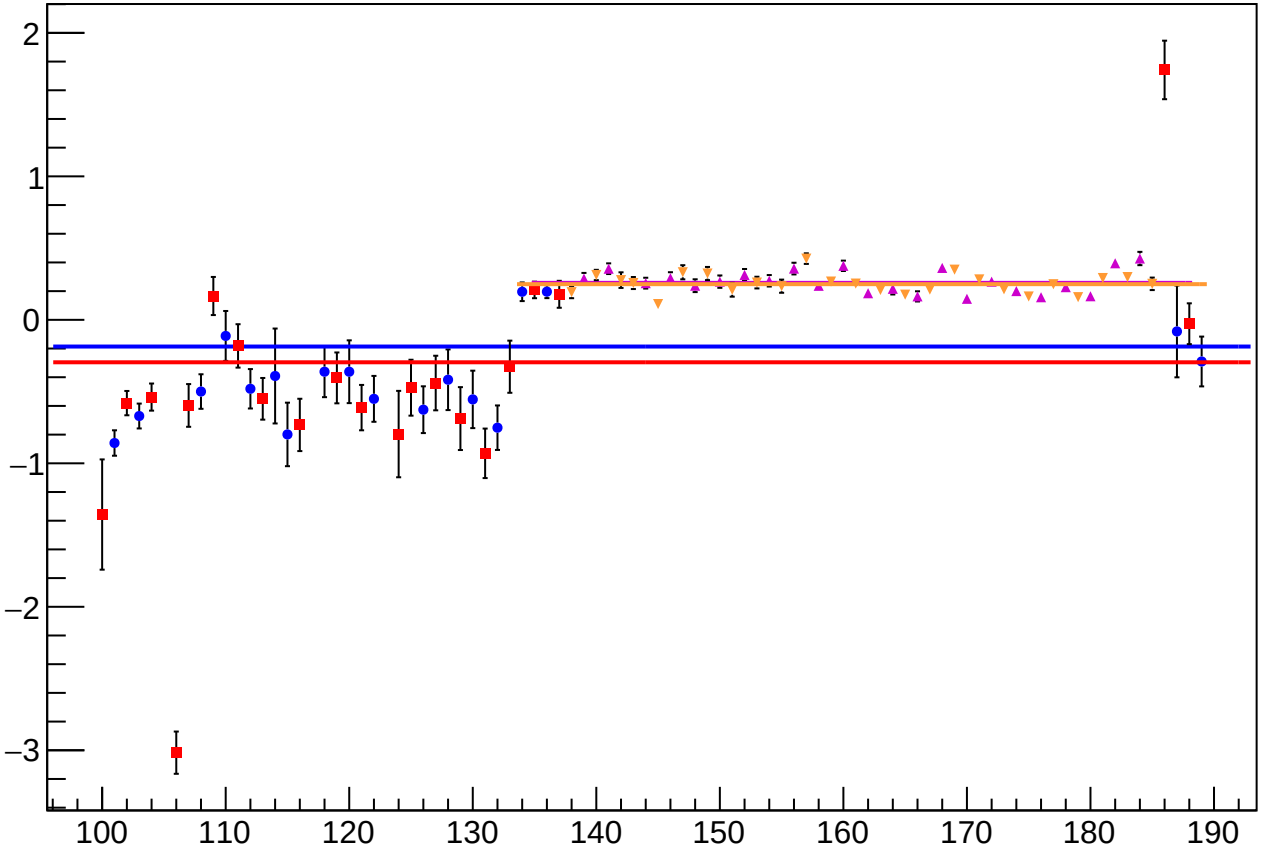
Right: -6.873+/-0.362 χ^2/NDF: 692.8/38

In: -19.266+/-0.152 χ^2/NDF:3224.0/40

Out: -19.291+/-0.148 χ^2/NDF:2646.9/45

All: -19.279+/-0.106 χ^2/NDF: 5870.9/86

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.186+/-0.026 χ^2/NDF: 247.8/17

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.296+/-0.028 χ^2/NDF: 623.2/20

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

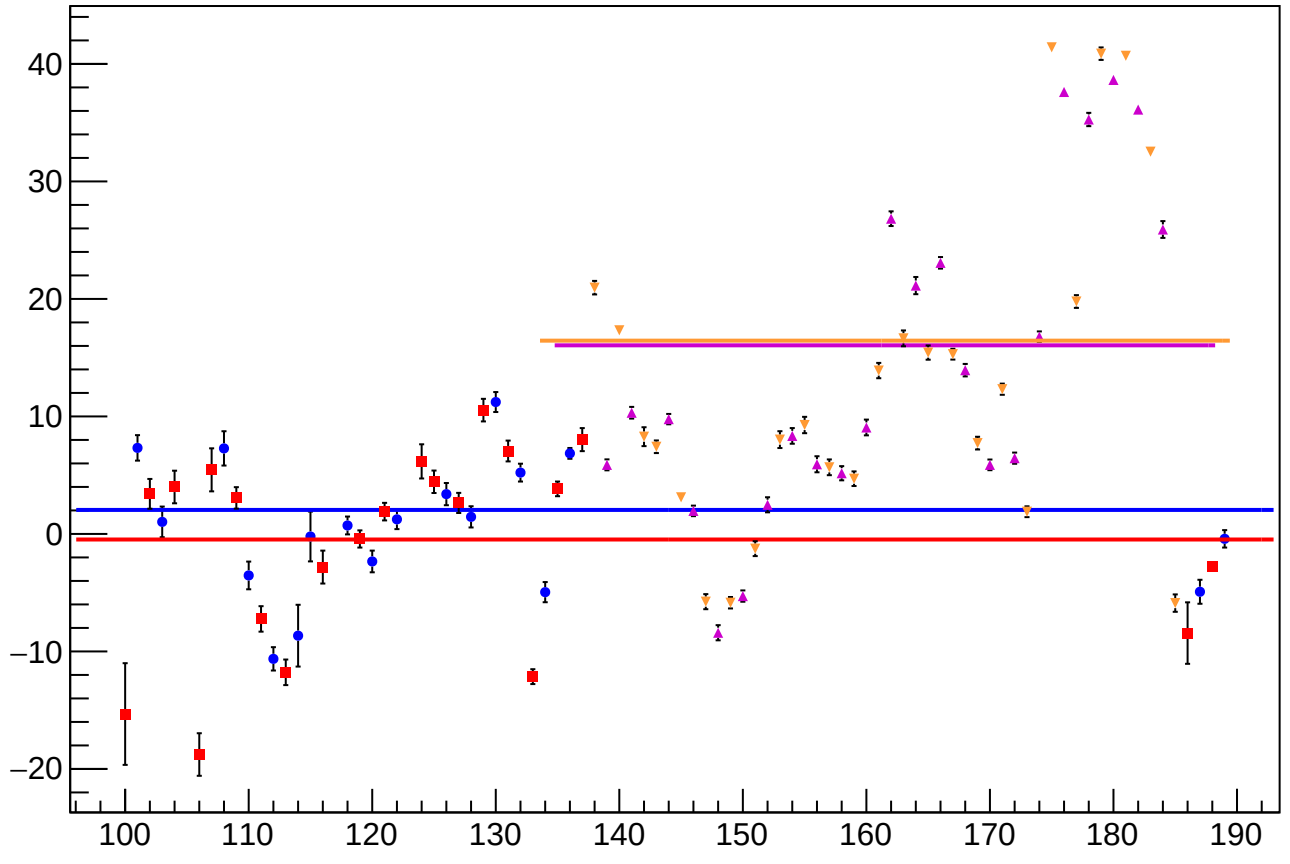
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.237+/-0.019 χ^2/NDF: 879.0/38

In: 0.228+/-0.007 χ^2/NDF:646.2/40

Out: 0.218+/-0.007 χ^2/NDF:1062.3/45

All: 0.223+/-0.005 χ^2/NDF: 1709.5/86



Right In: 2.043+/-0.210 χ^2/NDF: 637.0/17

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: -0.474+/-0.191 χ^2/NDF: 1091.3/20

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

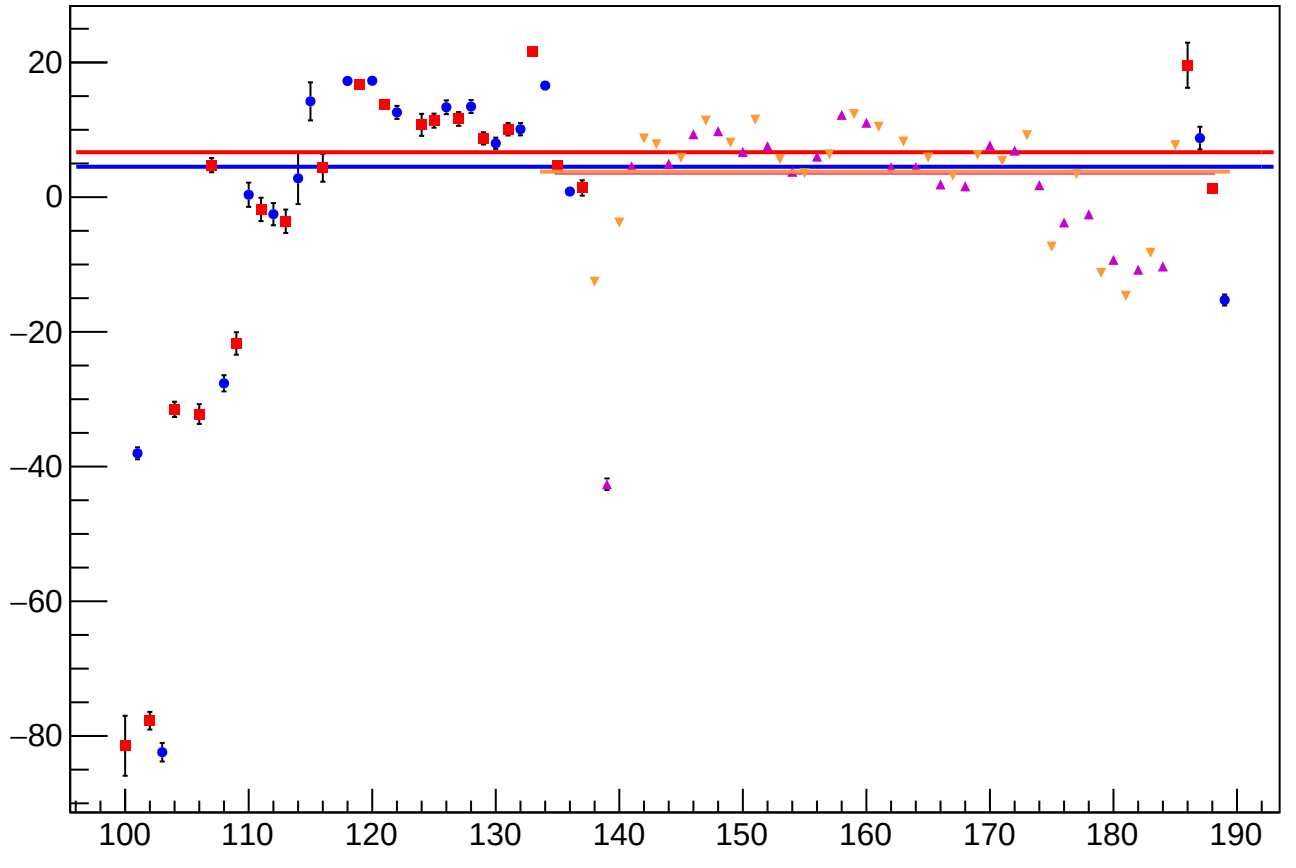
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 0.664+/-0.141 χ^2/NDF: 1807.0/38

In: 13.153+/-0.095 χ^2/NDF:21792.9/40

Out: 12.572+/-0.091 χ^2/NDF:28556.1/45

All: 12.849+/-0.066 χ^2/NDF: 50368.3/86



Right In: 4.514+/-0.202 χ^2/NDF: 9568.7/17

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 6.669+/-0.195 χ^2/NDF: 8513.1/20

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

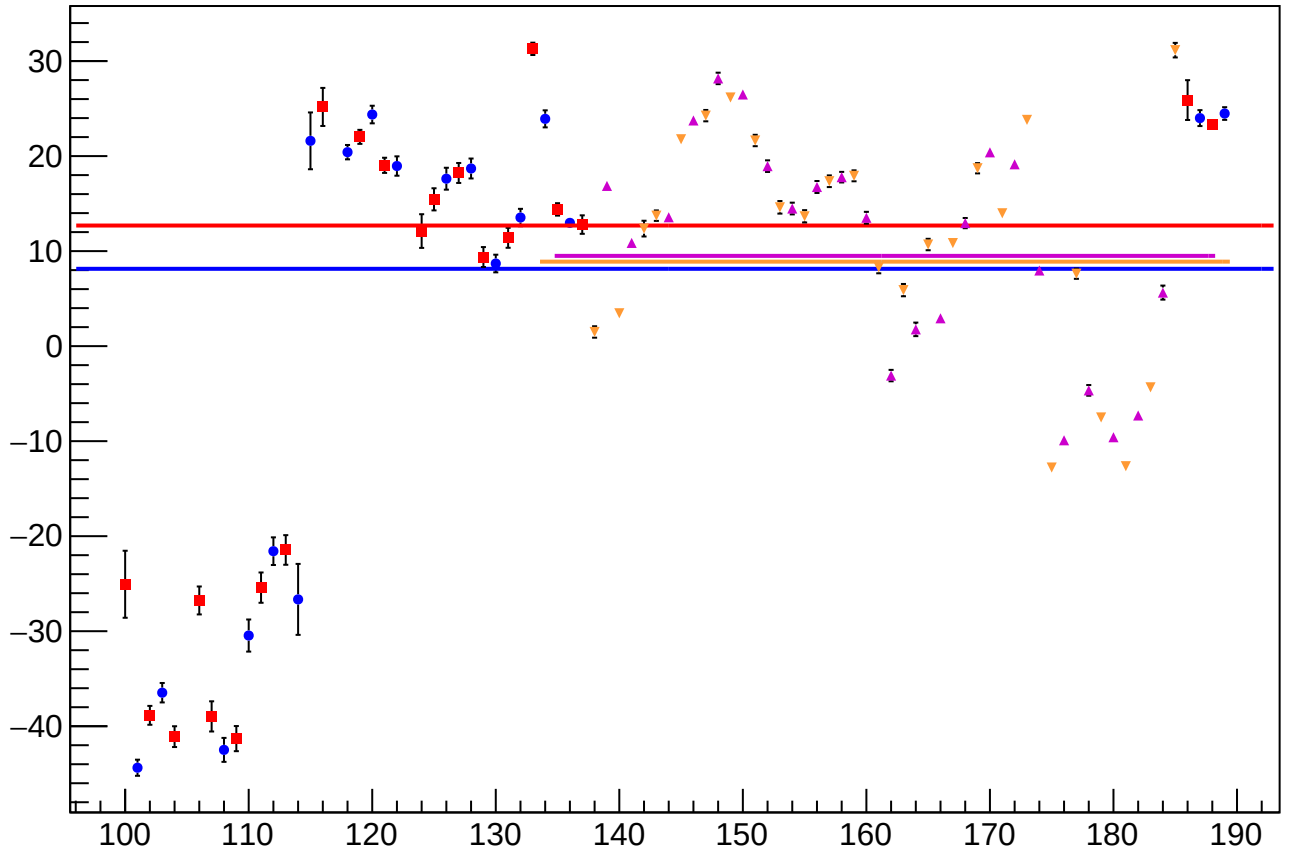
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: 5.629+/-0.140 χ^2/NDF: 18140.8/38

In: 3.774+/-0.077 χ^2/NDF:17895.2/40

Out: 4.206+/-0.074 χ^2/NDF:17800.5/45

All: 3.998+/-0.053 χ^2/NDF: 35712.1/86



Right In: 8.137+/-0.216 χ^2/NDF: 10653.8/17

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 12.692+/-0.188 χ^2/NDF: 12119.0/20

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

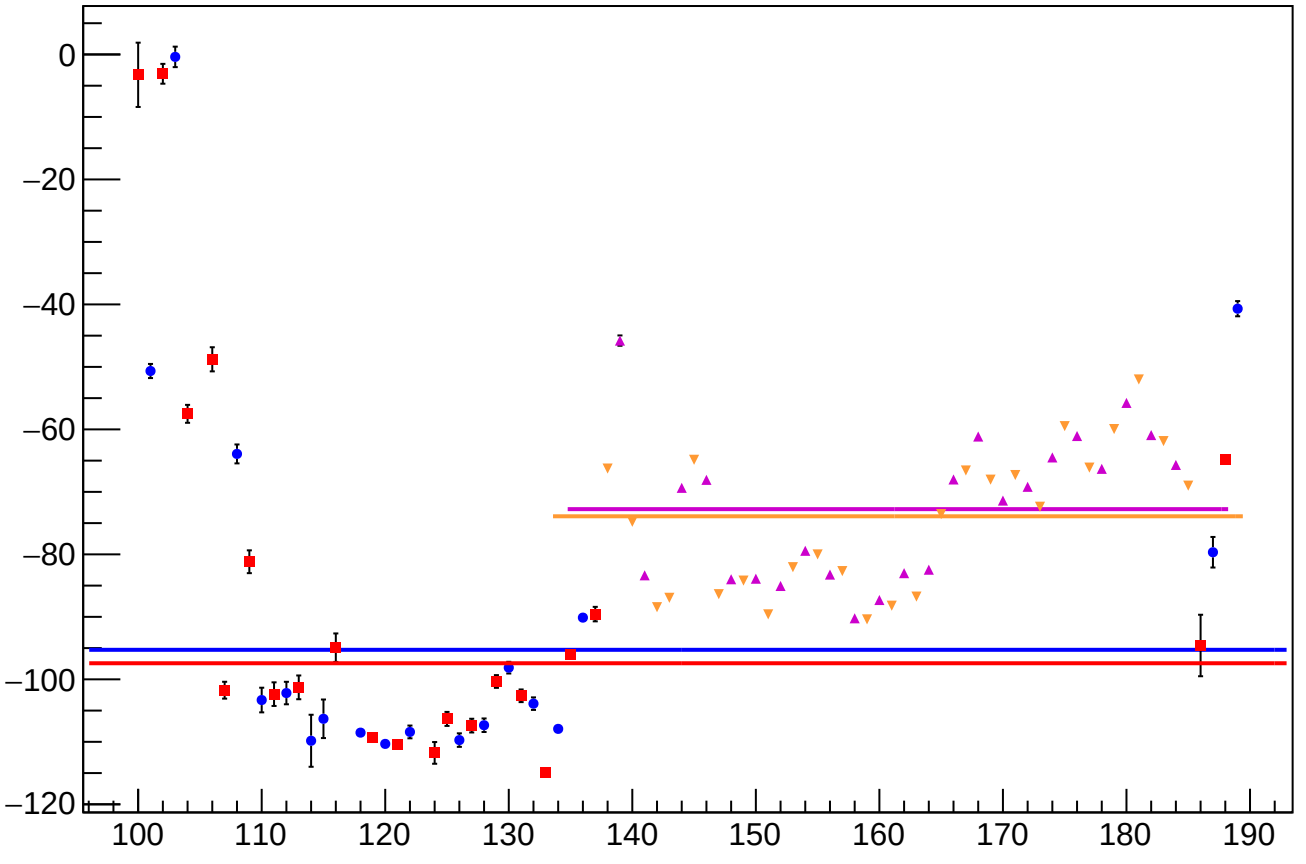
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 10.733+/-0.142 χ^2/NDF: 23025.9/38

In: 9.234+/-0.096 χ^2/NDF:23726.8/40

Out: 9.780+/-0.091 χ^2/NDF:27861.0/45

All: 9.521+/-0.066 χ^2/NDF: 51604.9/86



Right In: -95.275+/-0.236 χ^2/NDF: 9288.6/17

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -97.426+/-0.230 χ^2/NDF: 8943.1/20

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

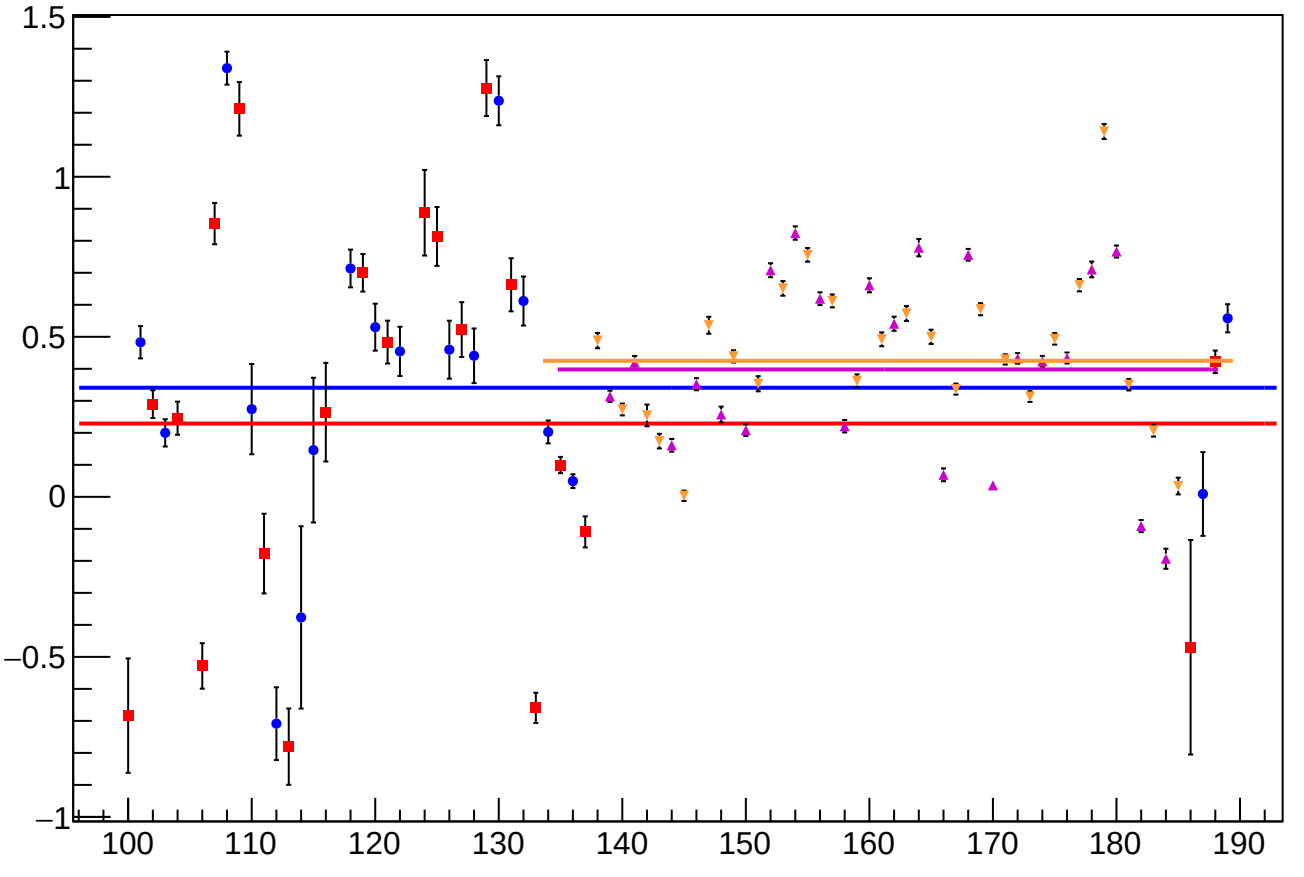
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -96.376+/-0.165 χ^2/NDF: 18274.2/38

In: -75.808+/-0.087 χ^2/NDF:29772.7/40

Out: -77.049+/-0.084 χ^2/NDF:33540.0/45

All: -76.447+/-0.060 χ^2/NDF: 63417.9/86



Right In: 0.341+/-0.013 χ^2/NDF: 918.8/17

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.229+/-0.013 χ^2/NDF: 1244.8/20

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

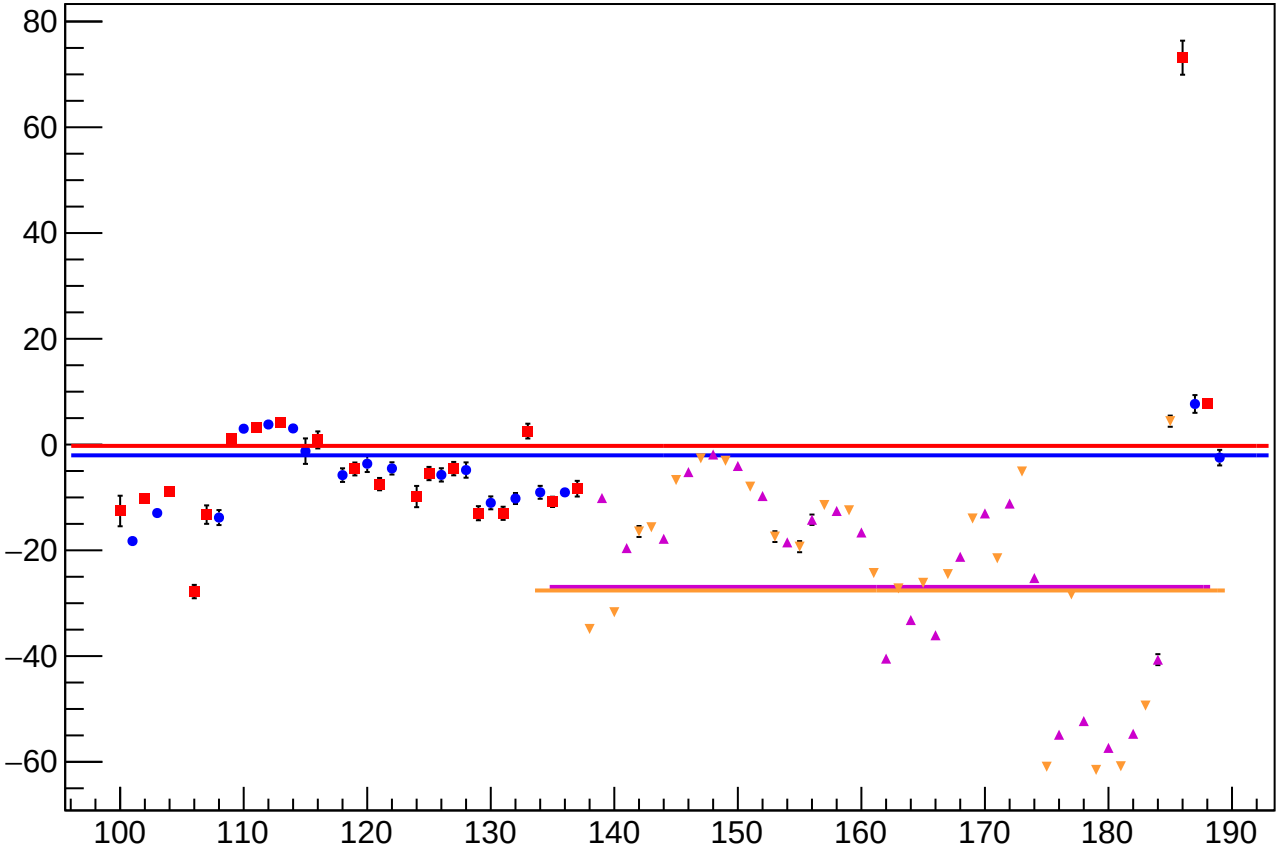
Right: 0.286+/-0.009 χ^2/NDF: 2202.0/38

In: 0.393+/-0.004 χ^2/NDF:5208.2/40

Out: 0.407+/-0.004 χ^2/NDF:4491.0/45

All: 0.400+/-0.003 χ^2/NDF: 9706.5/86

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.040+/-0.189 χ^2/NDF: 1525.0/17

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -0.251+/-0.166 χ^2/NDF: 2105.5/20

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

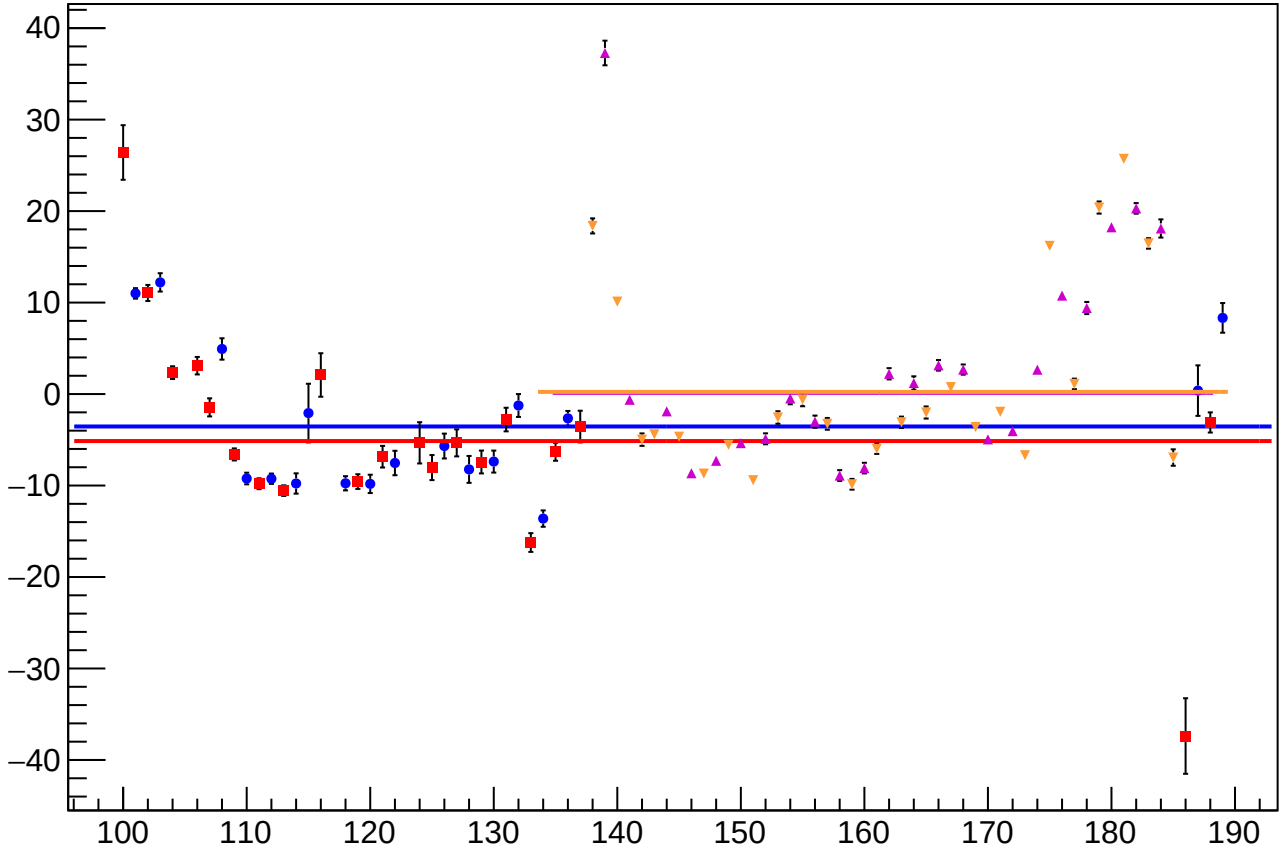
Right: -1.030+/-0.125 χ^2/NDF: 3681.0/38

In: -17.375+/-0.117 χ^2/NDF:27724.9/40

Out: -15.837+/-0.109 χ^2/NDF:37304.5/45

All: -16.550+/-0.080 χ^2/NDF: 65121.9/86

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.544+/-0.223 χ^2/NDF: 1482.4/17

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -5.136+/-0.214 χ^2/NDF: 1044.9/20

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

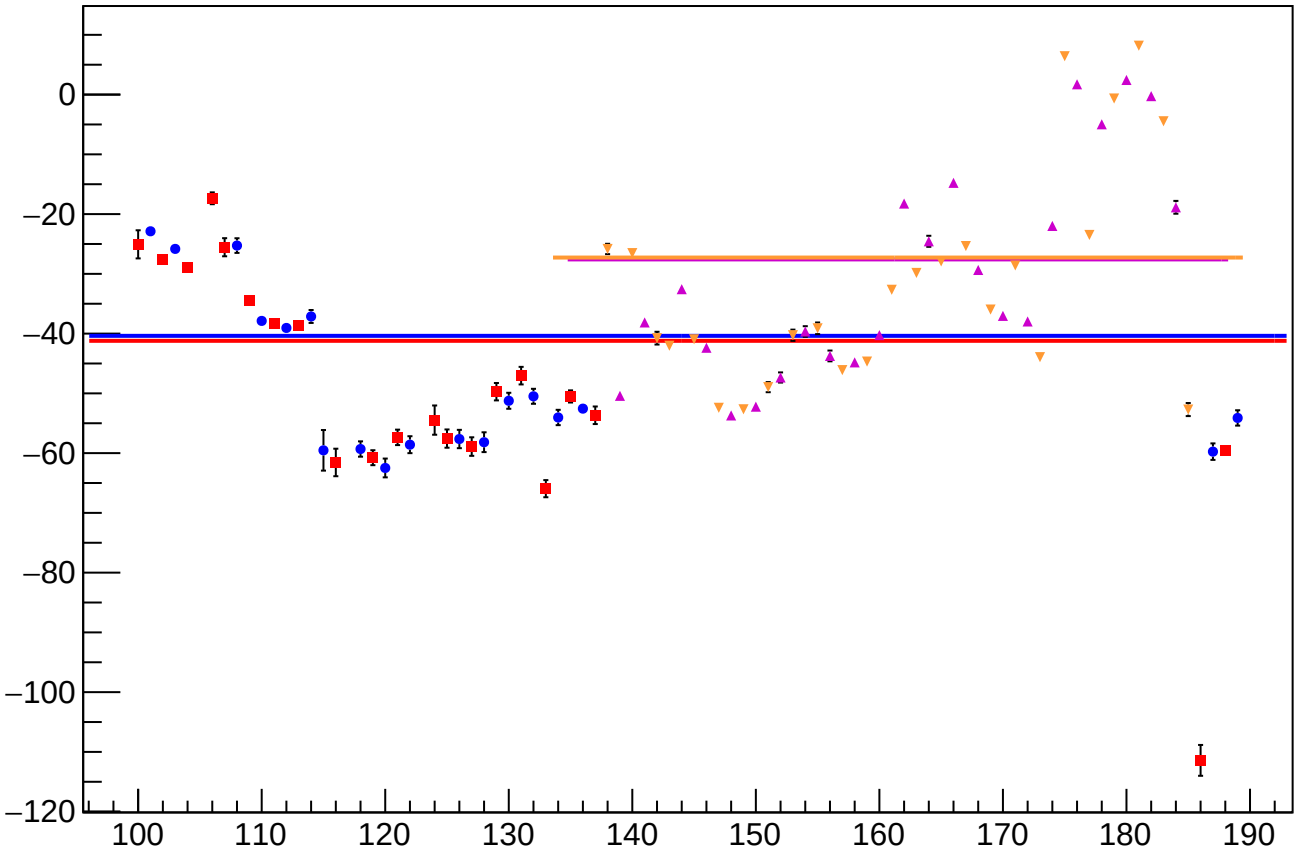
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -4.371+/-0.154 χ^2/NDF: 2553.9/38

In: -0.636+/-0.102 χ^2/NDF:7535.2/40

Out: -0.888+/-0.098 χ^2/NDF:9577.9/45

All: -0.767+/-0.071 χ^2/NDF: 17116.3/86



Right In: -40.372+/-0.219 χ^2/NDF: 3287.1/17

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.205+/-0.201 χ^2/NDF: 4530.8/20

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

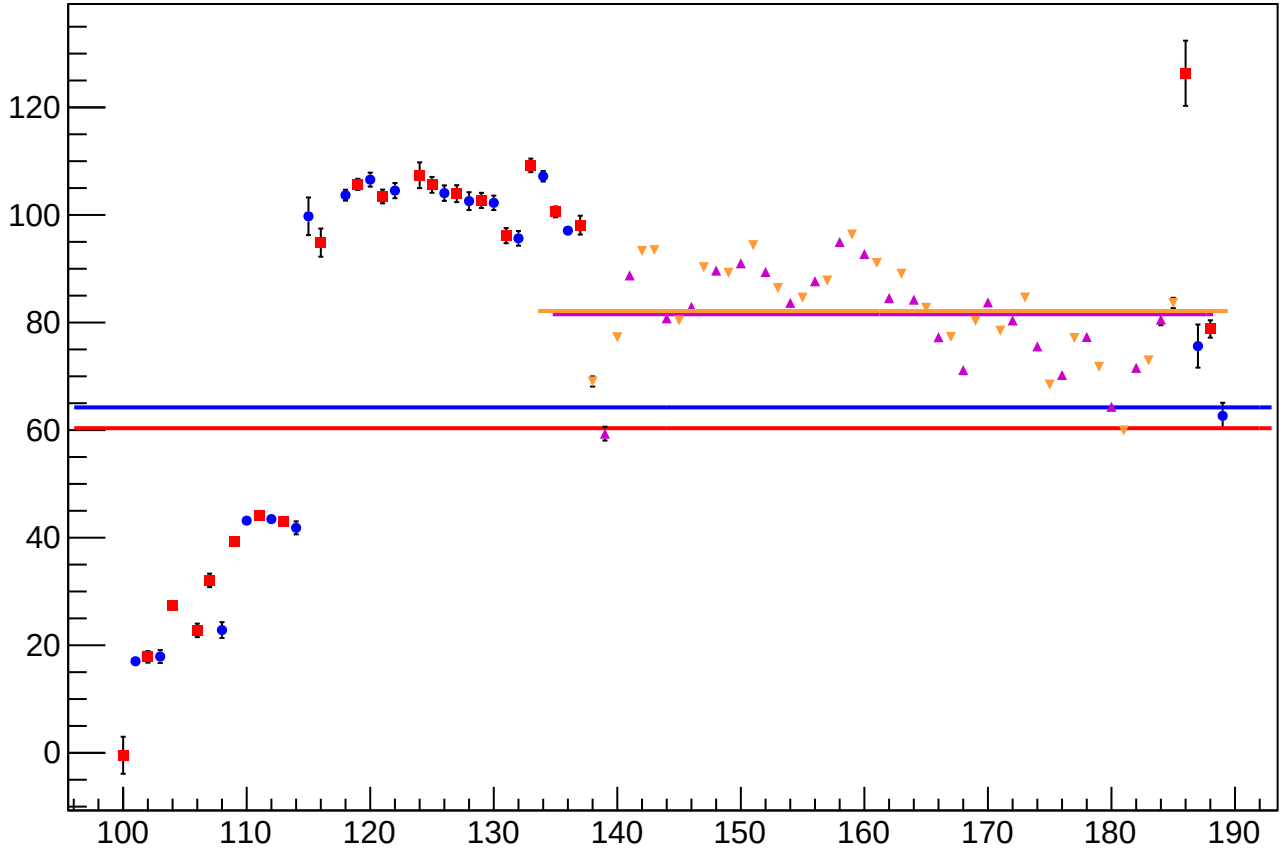
Right: -40.826+/-0.148 χ^2/NDF: 7825.7/38

In: -31.594+/-0.123 χ^2/NDF:21271.2/40

Out: -32.006+/-0.117 χ^2/NDF:26244.7/45

All: -31.810+/-0.085 χ^2/NDF: 47521.8/86

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.225+/-0.256 χ^2/NDF: 18604.9/17

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 60.355+/-0.246 χ^2/NDF: 17685.3/20

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

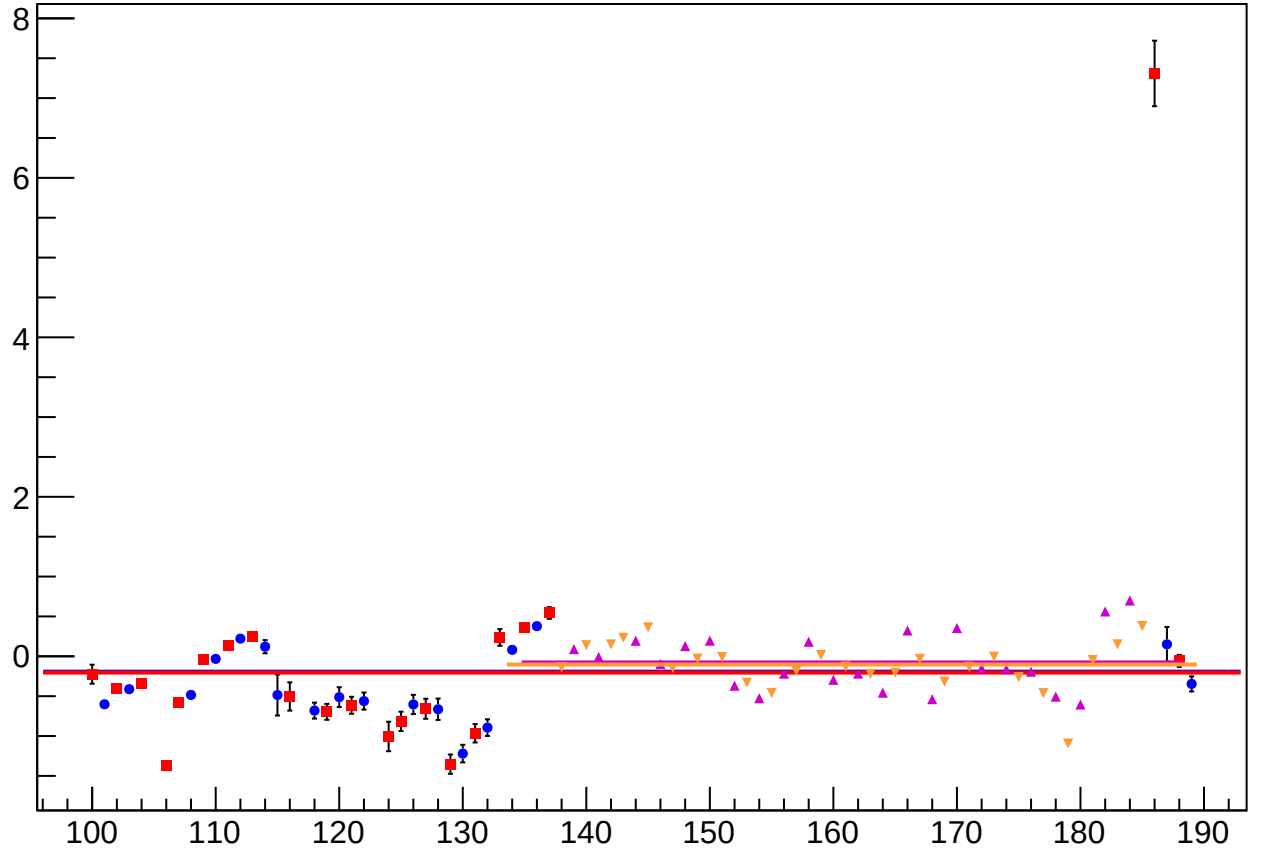
Right: 62.213+/-0.177 χ^2/NDF: 36409.4/38

In: 78.025+/-0.115 χ^2/NDF:26306.5/40

Out: 77.667+/-0.111 χ^2/NDF:29310.8/45

All: 77.840+/-0.080 χ^2/NDF: 55622.4/86

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.193+/-0.013 χ^2/NDF: 923.5/17

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.204+/-0.013 χ^2/NDF: 1706.9/20

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

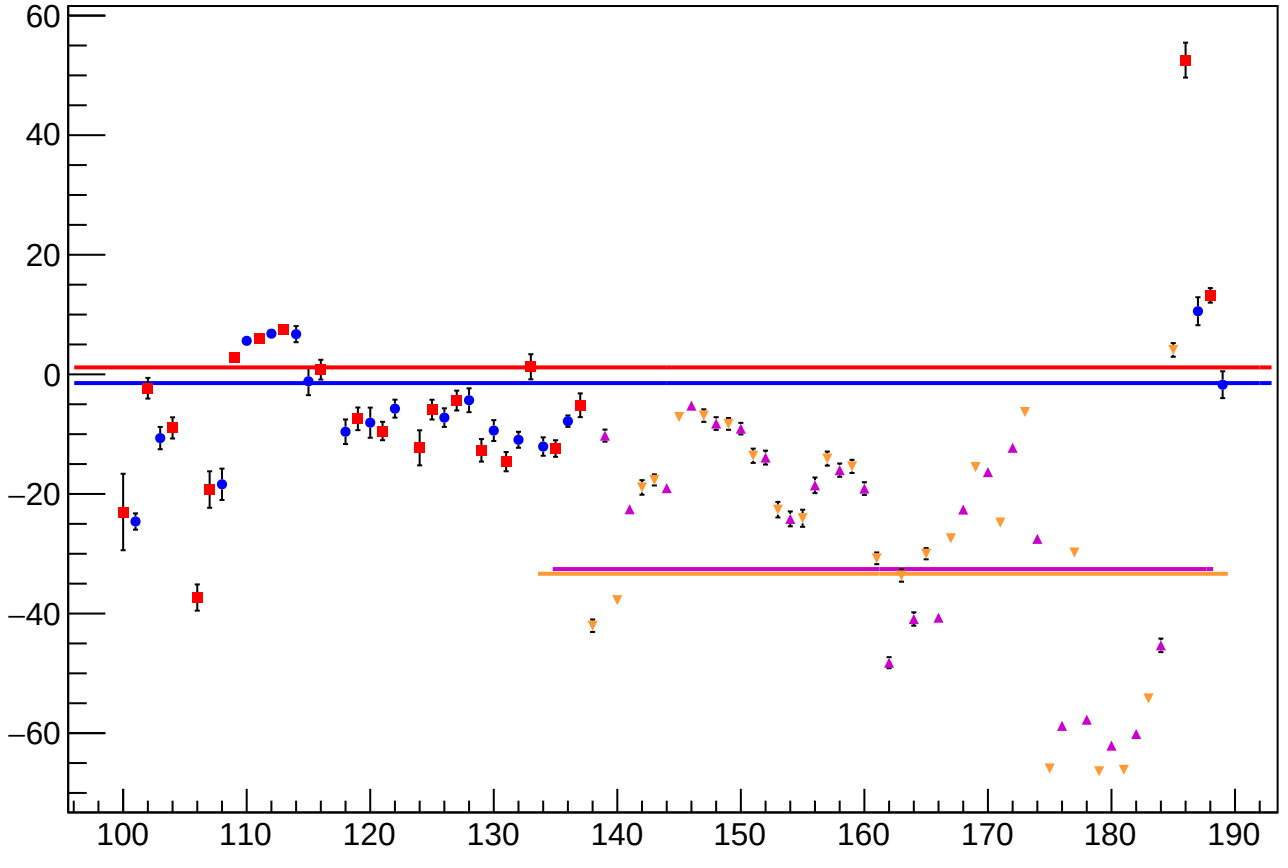
Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

Right: -0.199+/-0.009 χ^2/NDF: 2630.8/38

In: -0.095+/-0.005 χ^2/NDF:4308.5/40

Out: -0.120+/-0.005 χ^2/NDF:4168.0/45

All: -0.108+/-0.004 χ^2/NDF: 8487.5/86



Right In: -1.458+/-0.303 χ^2/NDF: 927.1/17

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 1.167+/-0.273 χ^2/NDF: 1354.7/20

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

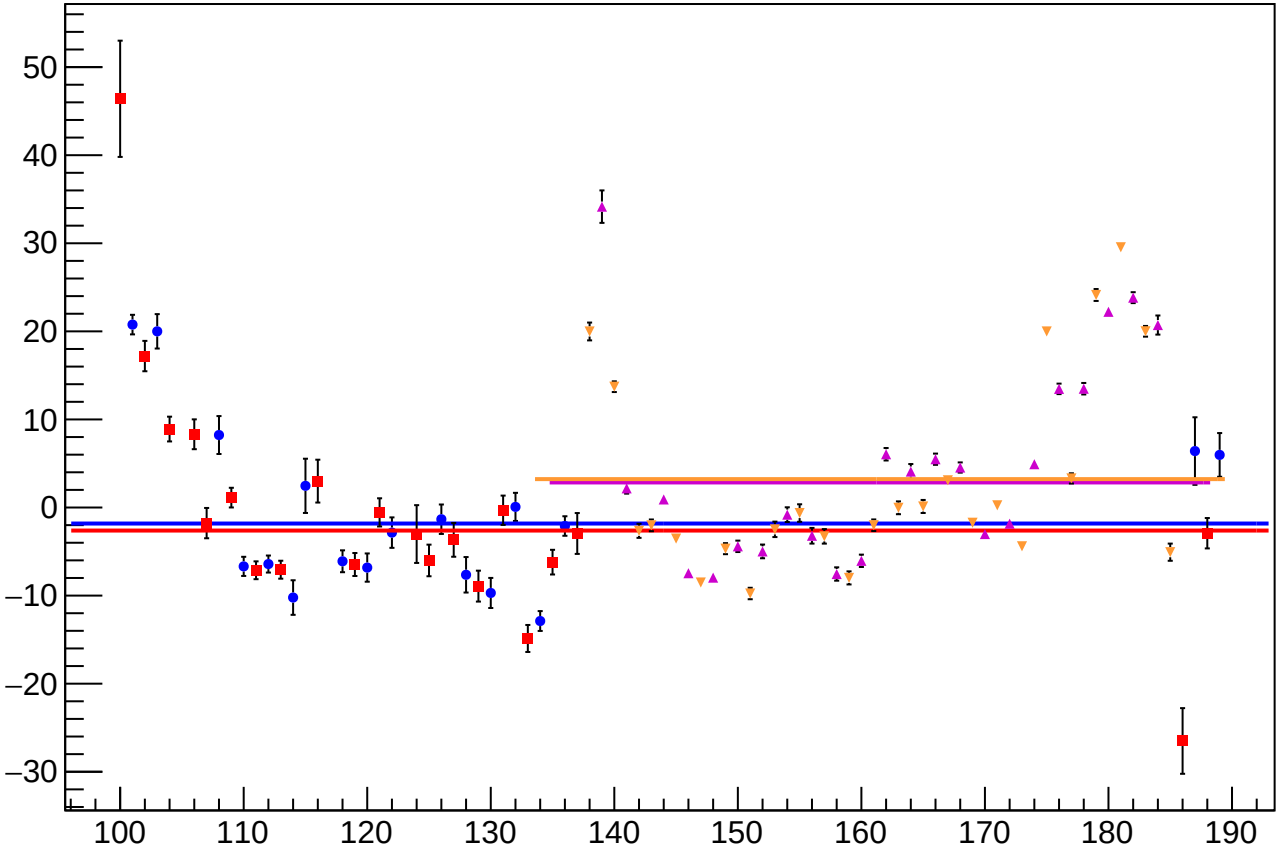
Right: -0.013+/-0.203 χ^2/NDF: 2323.2/38

In: -25.138+/-0.148 χ^2/NDF:22863.9/40

Out: -24.166+/-0.141 χ^2/NDF:31037.4/45

All: -24.629+/-0.102 χ^2/NDF: 53923.9/86

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.819+/-0.351 χ^2/NDF: 786.8/17

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -2.615+/-0.346 χ^2/NDF: 492.4/20

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

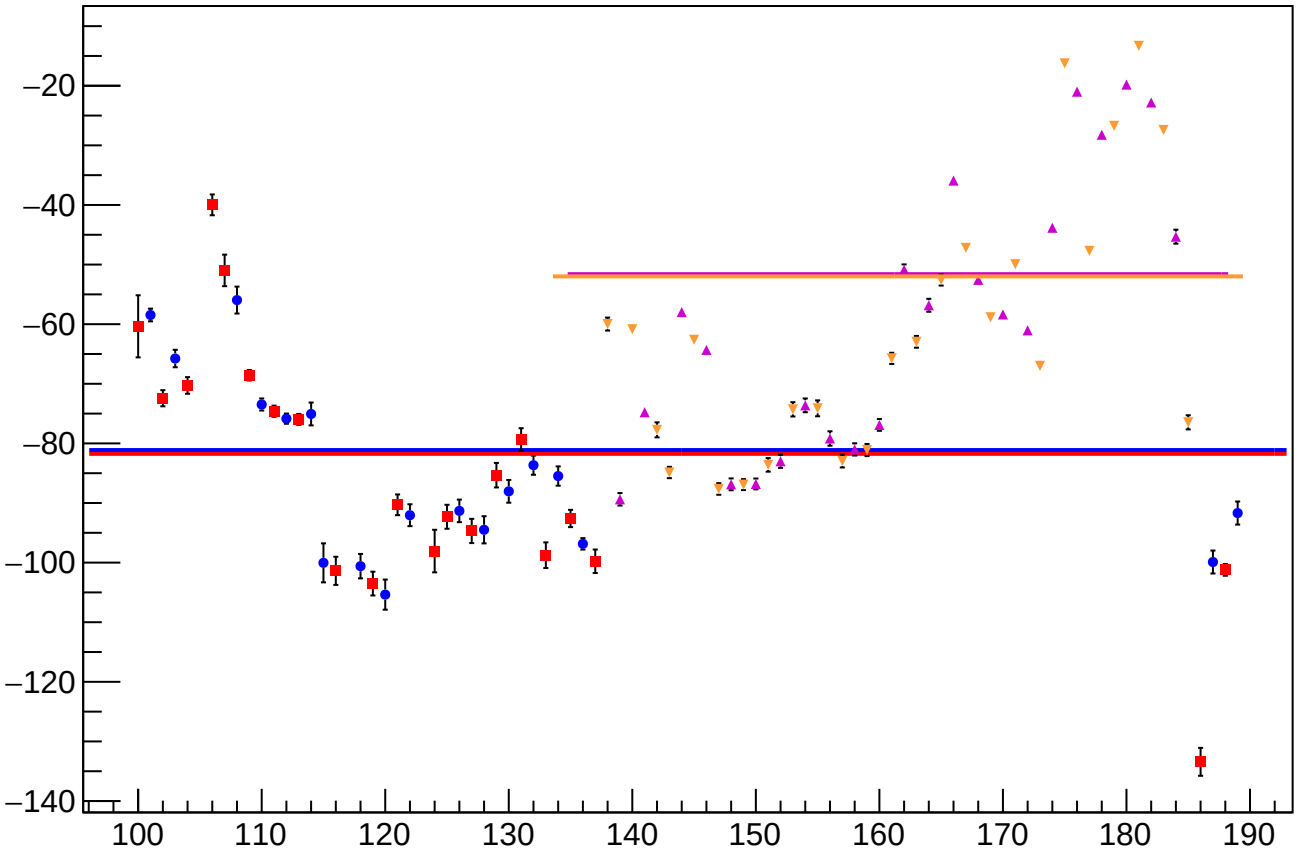
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -2.222+/-0.247 χ^2/NDF: 1281.9/38

In: 2.274+/-0.123 χ^2/NDF:6397.1/40

Out: 2.522+/-0.120 χ^2/NDF:8418.0/45

All: 2.400+/-0.086 χ^2/NDF: 14817.2/86



Right In: -81.118+/-0.352 χ^2/NDF: 1520.7/17

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -81.752+/-0.329 χ^2/NDF: 2548.8/20

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

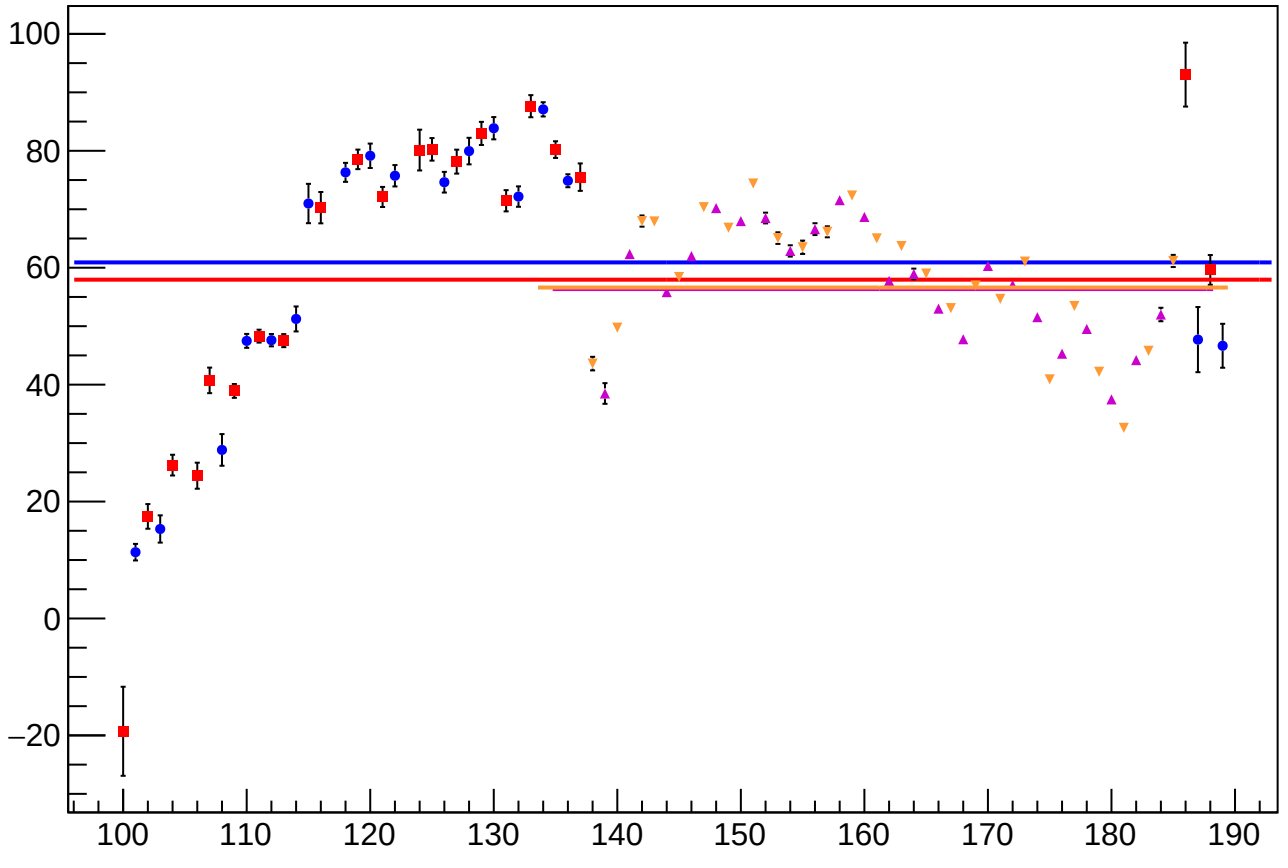
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -81.456+/-0.241 χ^2/NDF: 4071.3/38

In: -57.141+/-0.152 χ^2/NDF:24852.4/40

Out: -57.944+/-0.147 χ^2/NDF:29970.2/45

All: -57.556+/-0.106 χ^2/NDF: 54836.9/86



Right In: 60.909+/-0.397 χ^2/NDF: 3249.6/17

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.957+/-0.394 χ^2/NDF: 2817.5/20

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

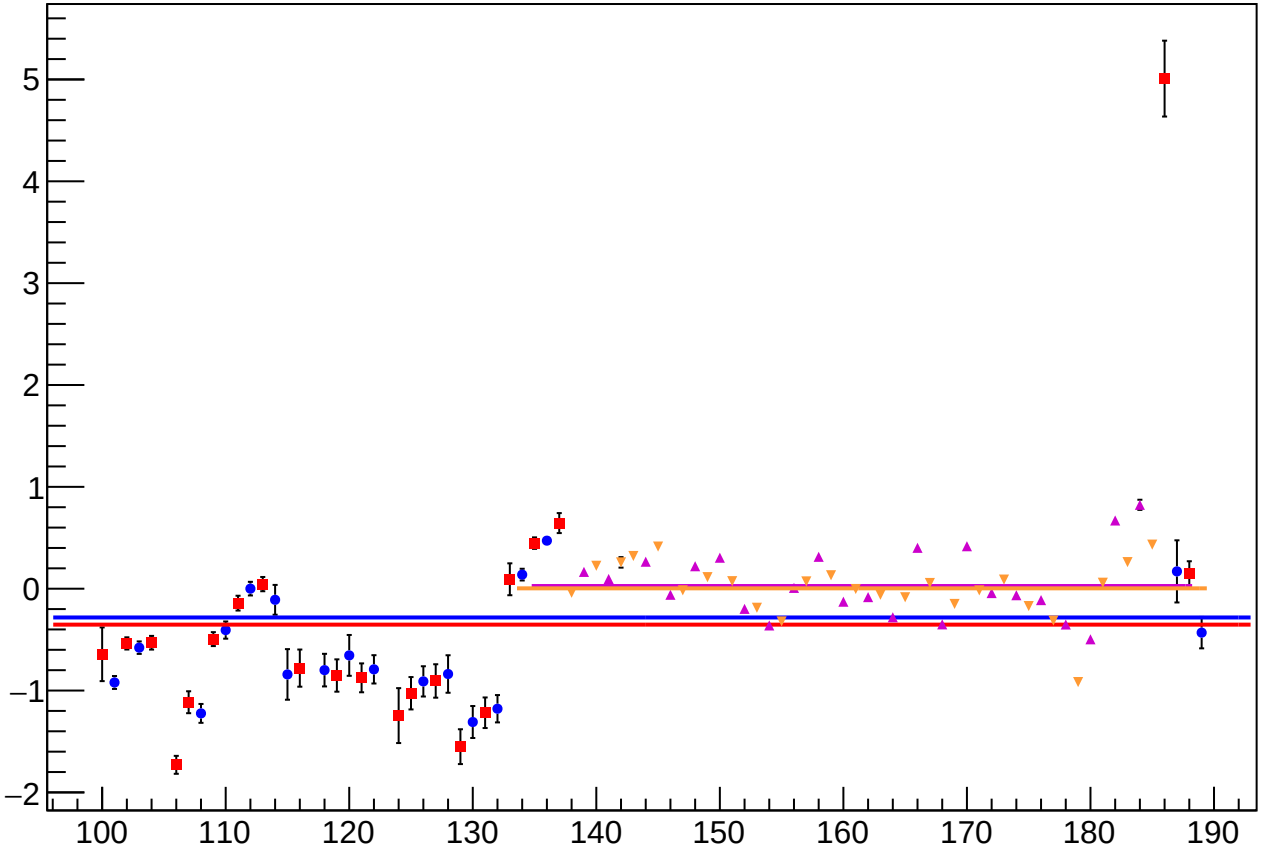
Right: 59.421+/-0.280 χ^2/NDF: 6095.0/38

In: 56.900+/-0.138 χ^2/NDF:7334.2/40

Out: 56.770+/-0.135 χ^2/NDF:8493.9/45

All: 56.834+/-0.097 χ^2/NDF: 15828.6/86

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.282+/-0.021 χ^2/NDF: 731.4/17

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.353+/-0.022 χ^2/NDF: 1045.0/20

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

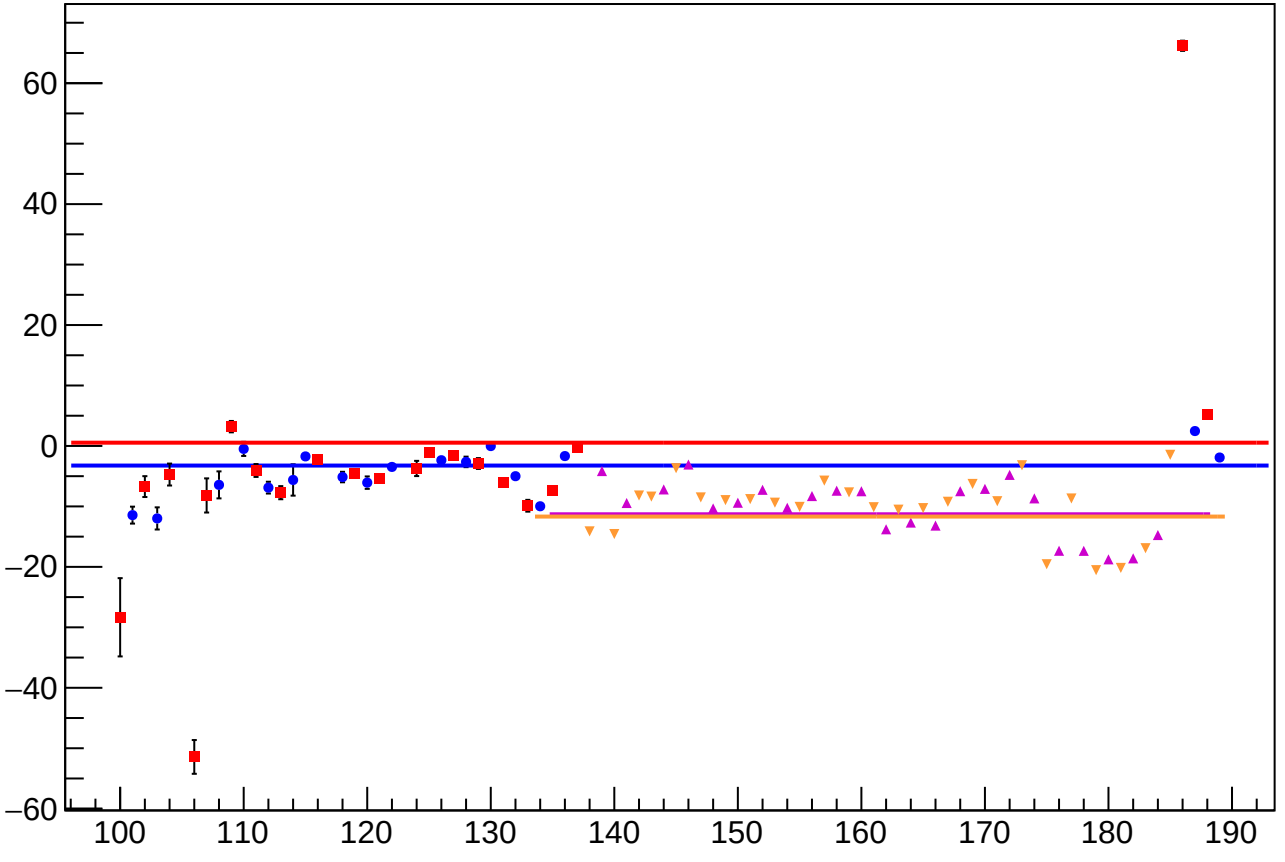
Right: -0.317+/-0.015 χ^2/NDF: 1781.7/38

In: -0.001+/-0.006 χ^2/NDF:3270.9/40

Out: -0.026+/-0.006 χ^2/NDF:2997.4/45

All: -0.013+/-0.004 χ^2/NDF: 6276.6/86

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.242+/-0.179 χ^2/NDF: 291.7/17

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: 0.541+/-0.177 χ^2/NDF: 7285.5/20

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

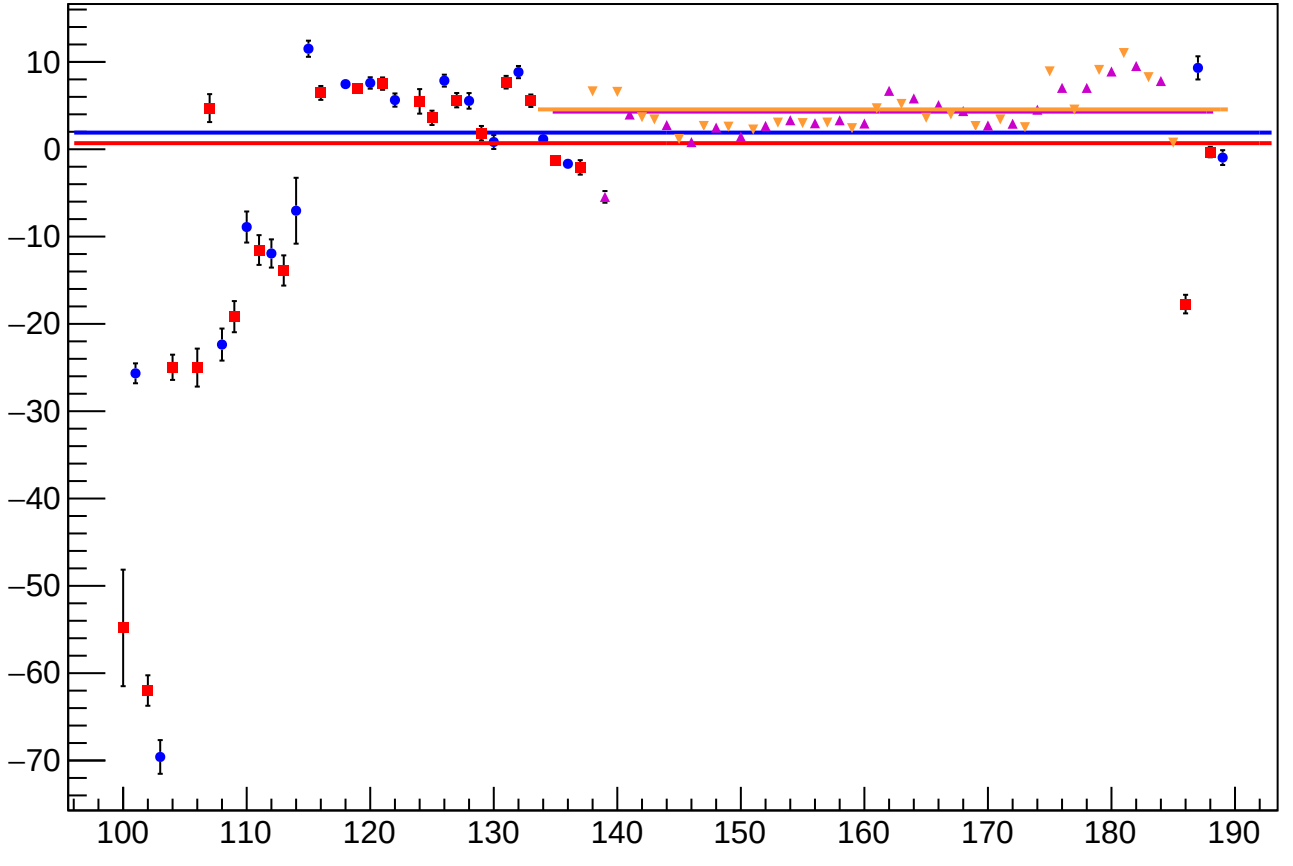
Right: -1.325+/-0.126 χ^2/NDF: 7803.5/38

In: -10.630+/-0.052 χ^2/NDF:11378.3/40

Out: -10.682+/-0.050 χ^2/NDF:24285.6/45

All: -10.657+/-0.036 χ^2/NDF: 35664.5/86

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.907+/-0.183 χ^2/NDF: 2880.7/17

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.696+/-0.193 χ^2/NDF: 2878.6/20

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

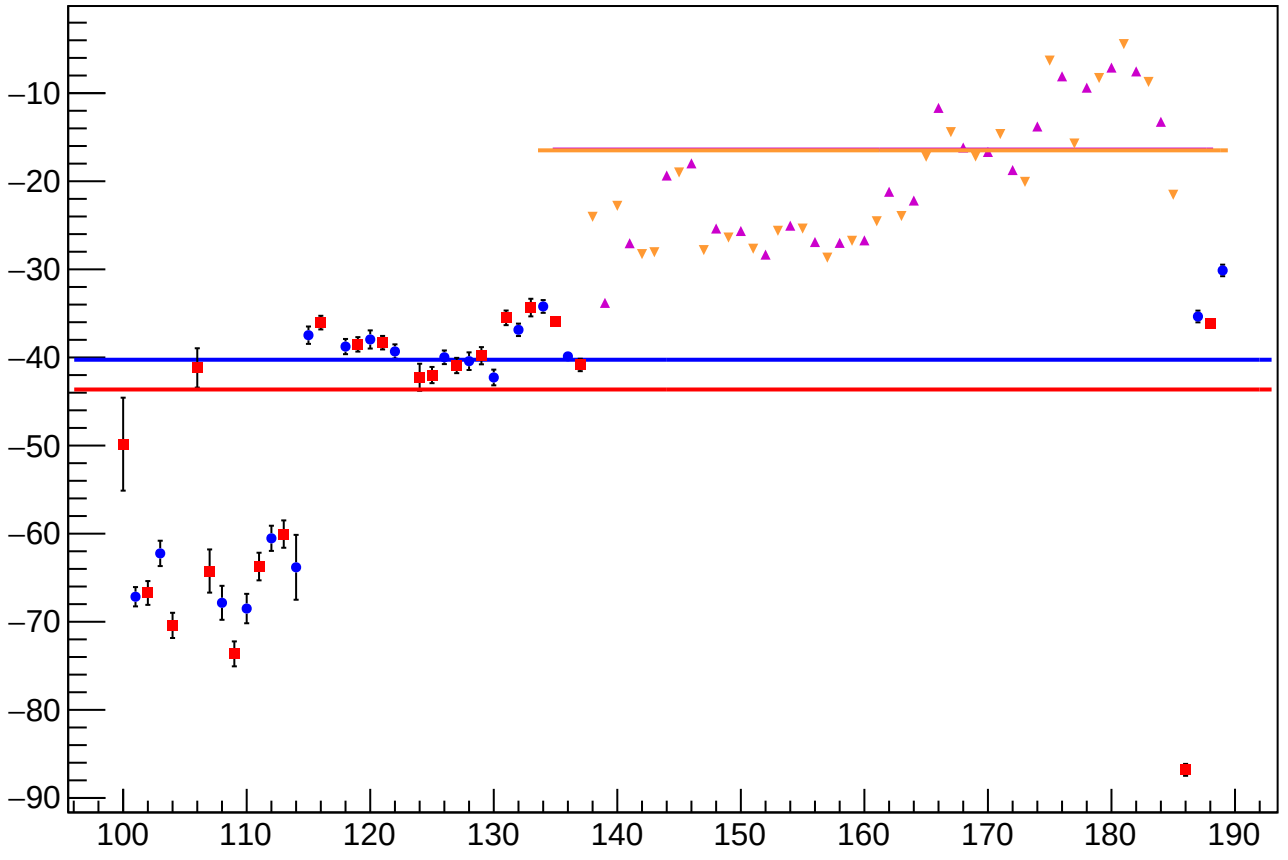
Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

Right: 1.336+/-0.133 χ^2/NDF: 5780.0/38

In: 4.187+/-0.041 χ^2/NDF:6653.6/40

Out: 4.395+/-0.040 χ^2/NDF:7617.2/45

All: 4.292+/-0.029 χ^2/NDF: 14283.7/86



Right In: -40.259+/-0.190 χ^2/NDF: 1978.4/17

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -43.637+/-0.183 χ^2/NDF: 6589.3/20

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

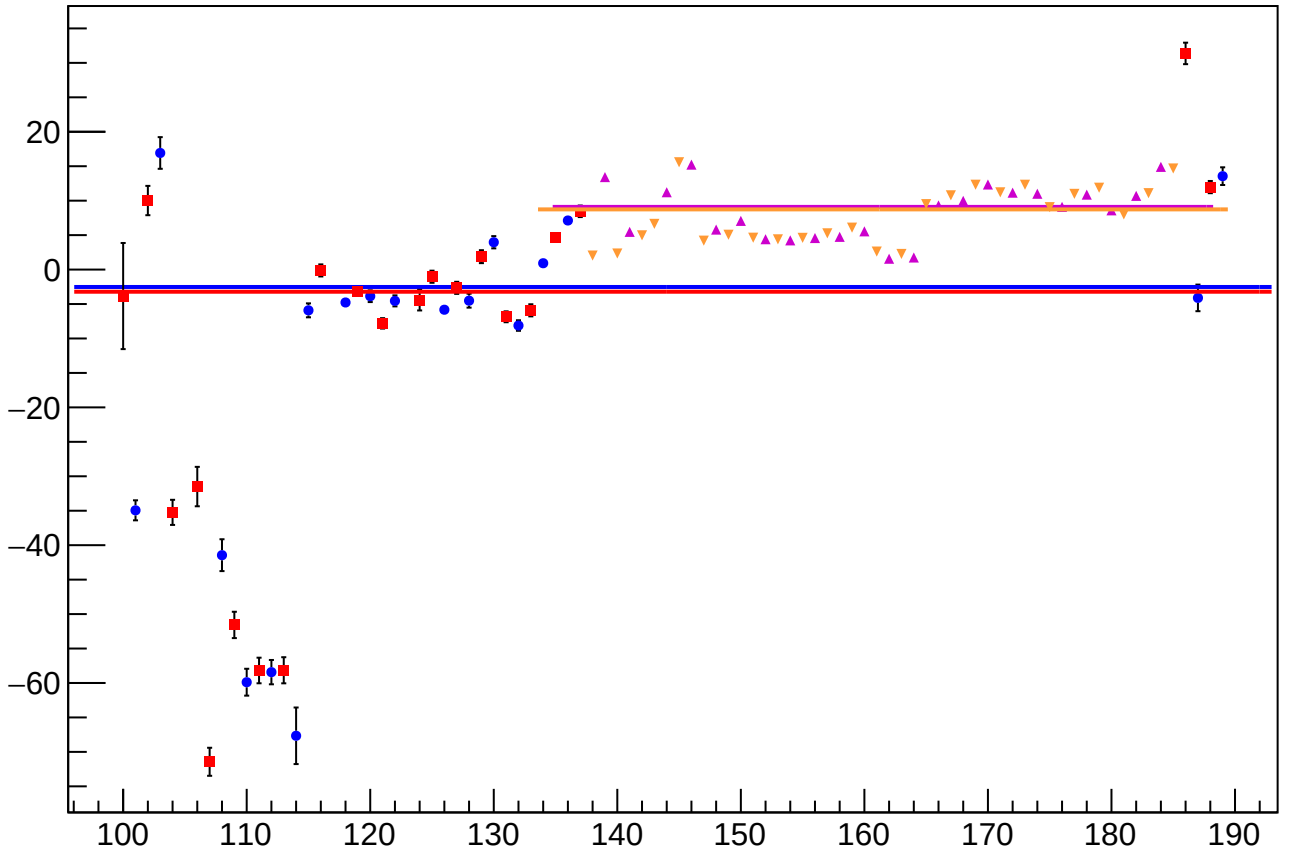
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -42.009+/-0.132 χ^2/NDF: 8731.7/38

In: -18.185+/-0.052 χ^2/NDF:34637.2/40

Out: -18.577+/-0.051 χ^2/NDF:48879.0/45

All: -18.385+/-0.036 χ^2/NDF: 83545.3/86



Right In: -2.526+/-0.206 χ^2/NDF: 3887.1/17

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -3.214+/-0.222 χ^2/NDF: 5223.7/20

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

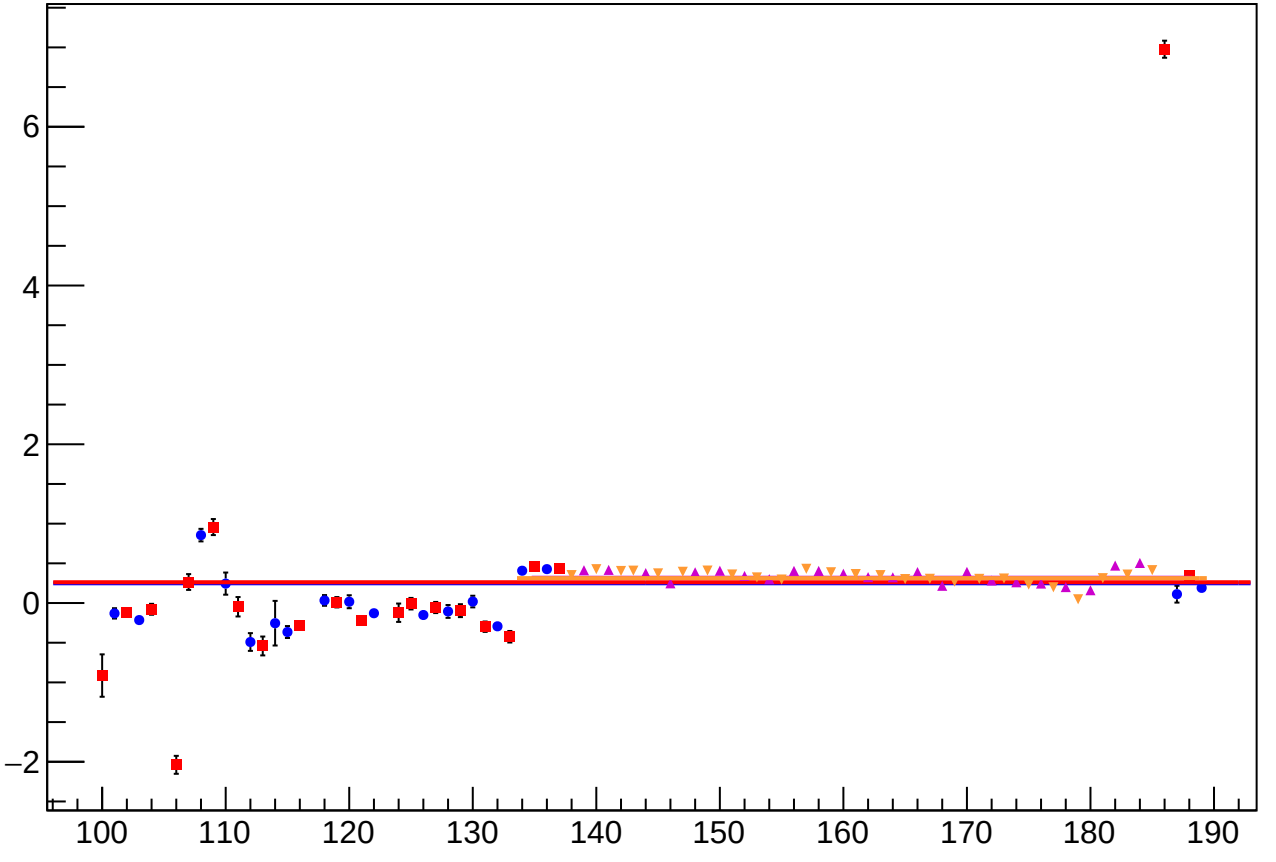
Right: -2.844+/-0.151 χ^2/NDF: 9116.0/38

In: 8.518+/-0.046 χ^2/NDF:12658.8/40

Out: 8.239+/-0.045 χ^2/NDF:14876.6/45

All: 8.376+/-0.032 χ^2/NDF: 27554.2/86

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.249+/-0.011 χ^2/NDF: 633.9/17

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.262+/-0.013 χ^2/NDF: 4988.5/20

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

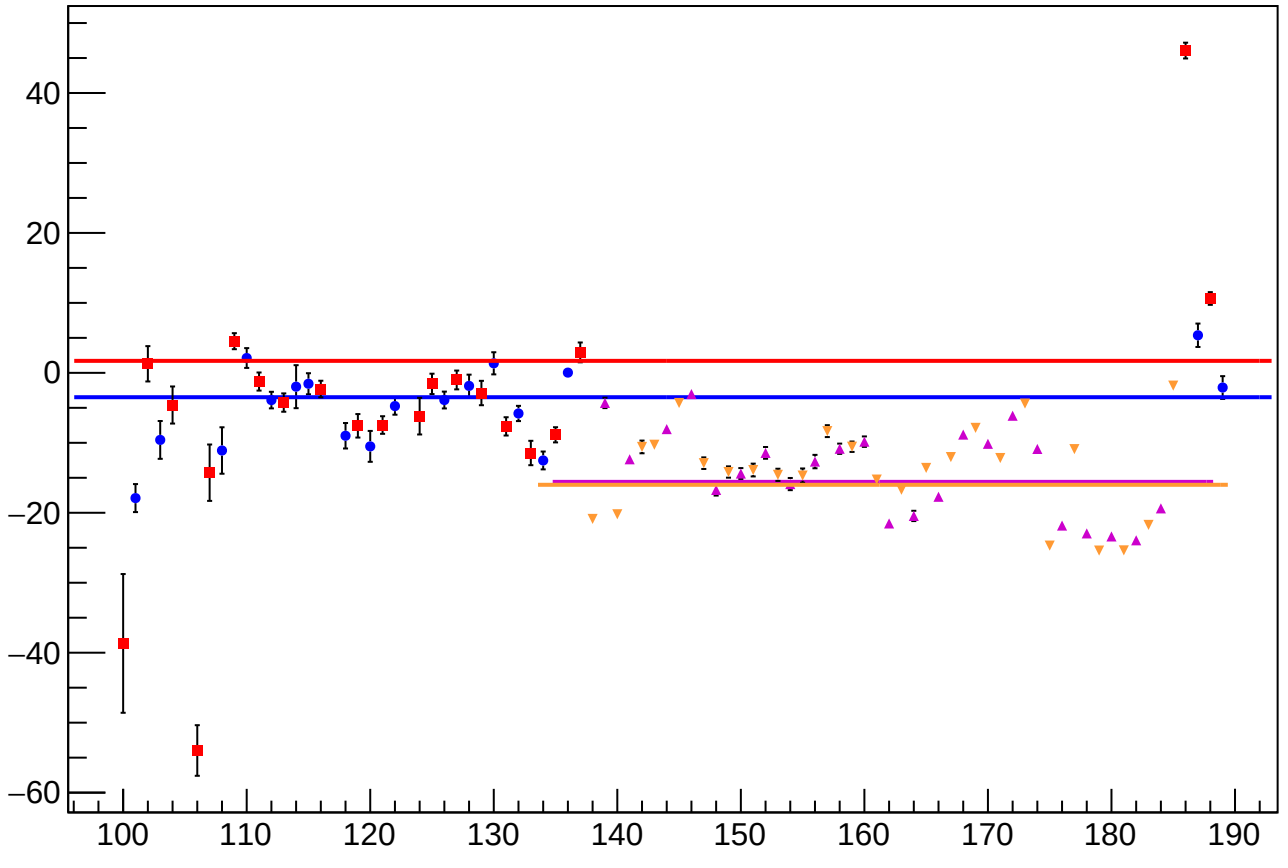
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.254+/-0.008 χ^2/NDF: 5623.0/38

In: 0.316+/-0.002 χ^2/NDF:2459.8/40

Out: 0.313+/-0.002 χ^2/NDF:6607.0/45

All: 0.314+/-0.001 χ^2/NDF: 9068.4/86



Right In: -3.482+/-0.332 χ^2/NDF: 219.2/17

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 1.713+/-0.319 χ^2/NDF: 2271.9/20

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

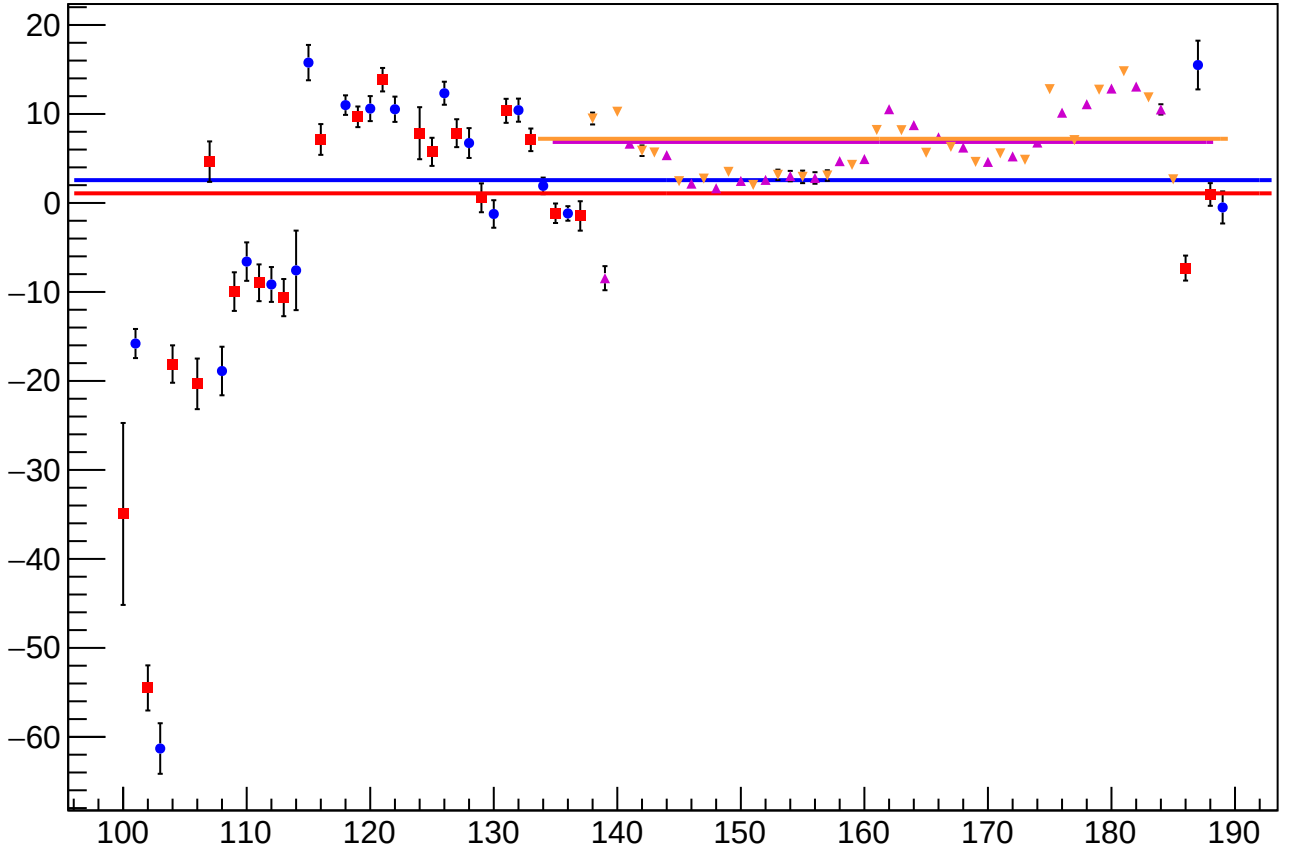
Right: -0.779+/-0.230 χ^2/NDF: 2618.7/38

In: -14.537+/-0.097 χ^2/NDF:6194.5/40

Out: -14.430+/-0.095 χ^2/NDF:11052.0/45

All: -14.482+/-0.068 χ^2/NDF: 17247.2/86

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.565+/-0.347 χ^2/NDF: 1072.0/17

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.082+/-0.357 χ^2/NDF: 1021.7/20

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

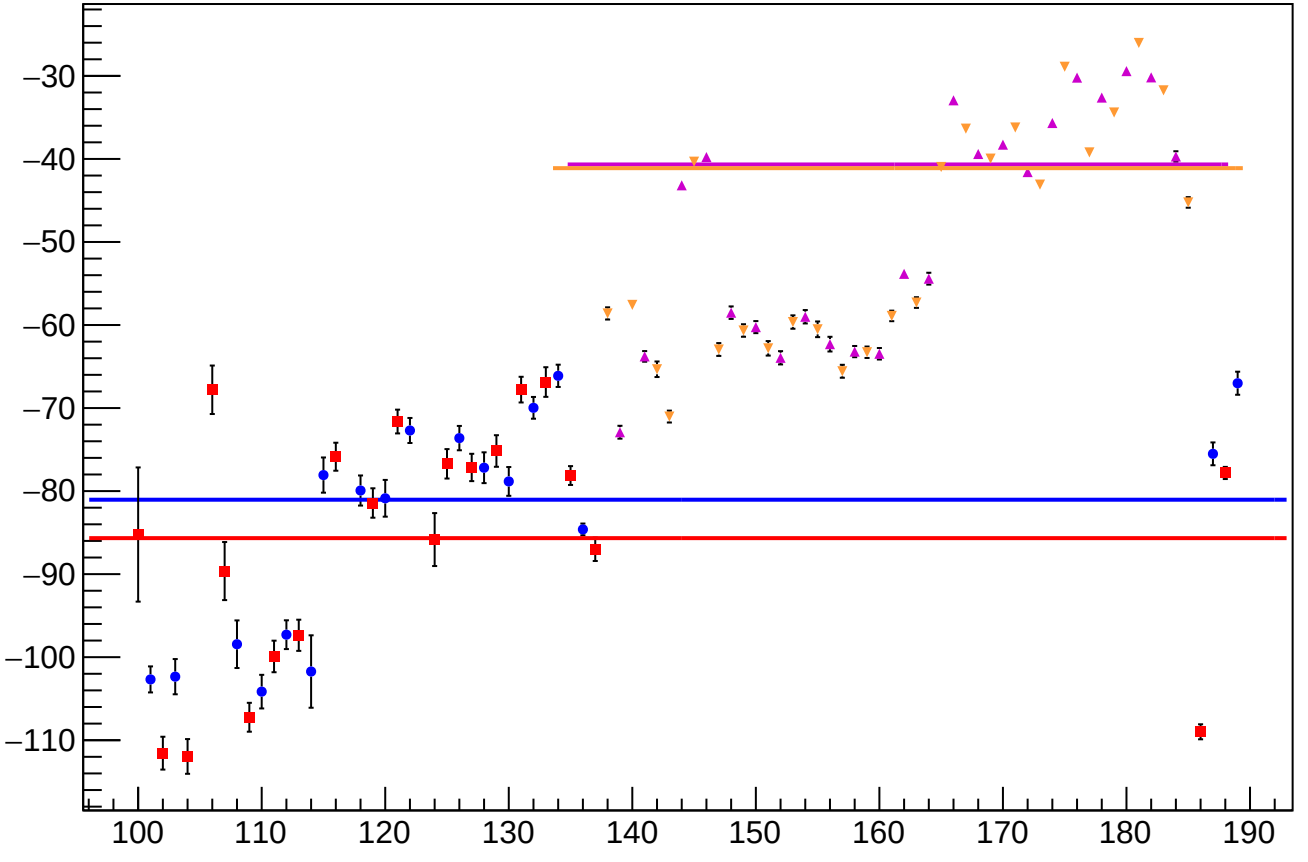
Right: 1.845+/-0.249 χ^2/NDF: 2102.6/38

In: 6.634+/-0.079 χ^2/NDF:3373.3/40

Out: 6.919+/-0.078 χ^2/NDF:3757.8/45

All: 6.778+/-0.056 χ^2/NDF: 7137.7/86

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.038+/-0.358 χ^2/NDF: 972.1/17

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -85.665+/-0.335 χ^2/NDF: 1905.1/20

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

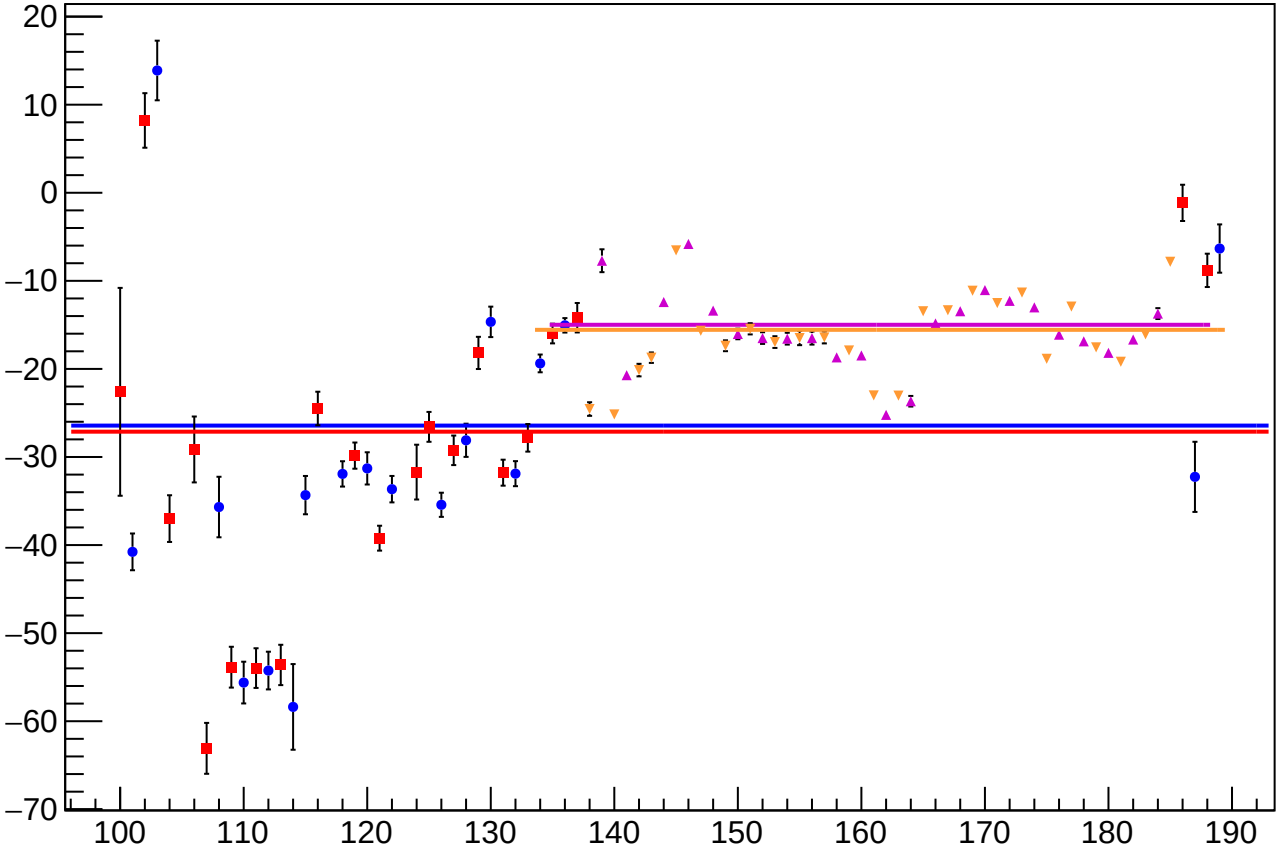
Right: -83.503+/-0.244 χ^2/NDF: 2966.4/38

In: -43.714+/-0.098 χ^2/NDF:26293.2/40

Out: -44.758+/-0.096 χ^2/NDF:34157.4/45

All: -44.249+/-0.069 χ^2/NDF: 60508.6/86

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.435+/-0.390 χ^2/NDF: 1020.2/17

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -27.125+/-0.412 χ^2/NDF: 1237.2/20

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

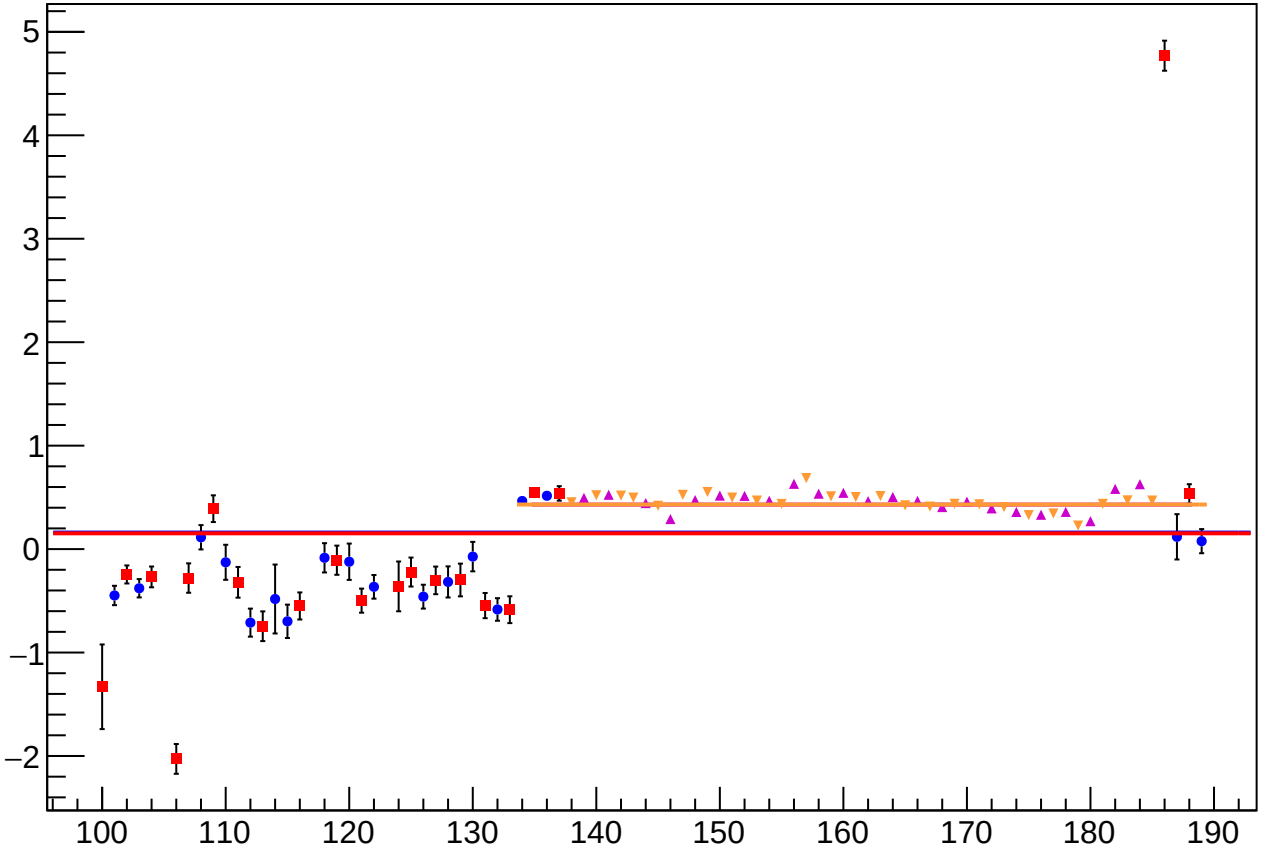
Right: -26.761+/-0.283 χ^2/NDF: 2258.9/38

In: -15.573+/-0.088 χ^2/NDF:3989.9/40

Out: -16.077+/-0.087 χ^2/NDF:4540.0/45

All: -15.828+/-0.062 χ^2/NDF: 8546.4/86

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.160+/-0.021 χ^2/NDF: 423.1/17

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.152+/-0.023 χ^2/NDF: 1640.9/20

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

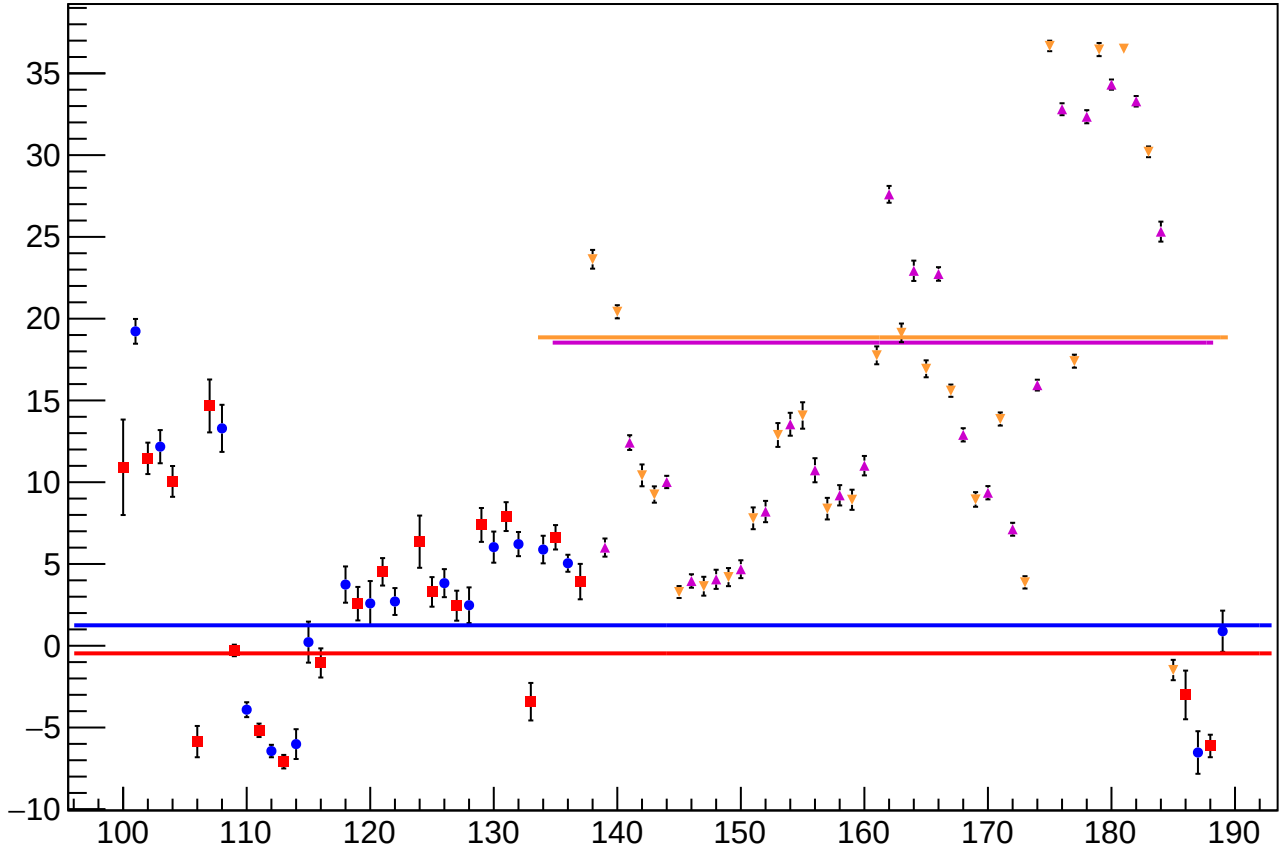
Right: 0.156+/-0.016 χ^2/NDF: 2064.1/38

In: 0.420+/-0.004 χ^2/NDF:1167.3/40

Out: 0.423+/-0.004 χ^2/NDF:2197.8/45

All: 0.422+/-0.003 χ^2/NDF: 3365.2/86

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.250+/-0.179 χ^2/NDF: 1558.7/17

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: -0.466+/-0.162 χ^2/NDF: 1222.6/20

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

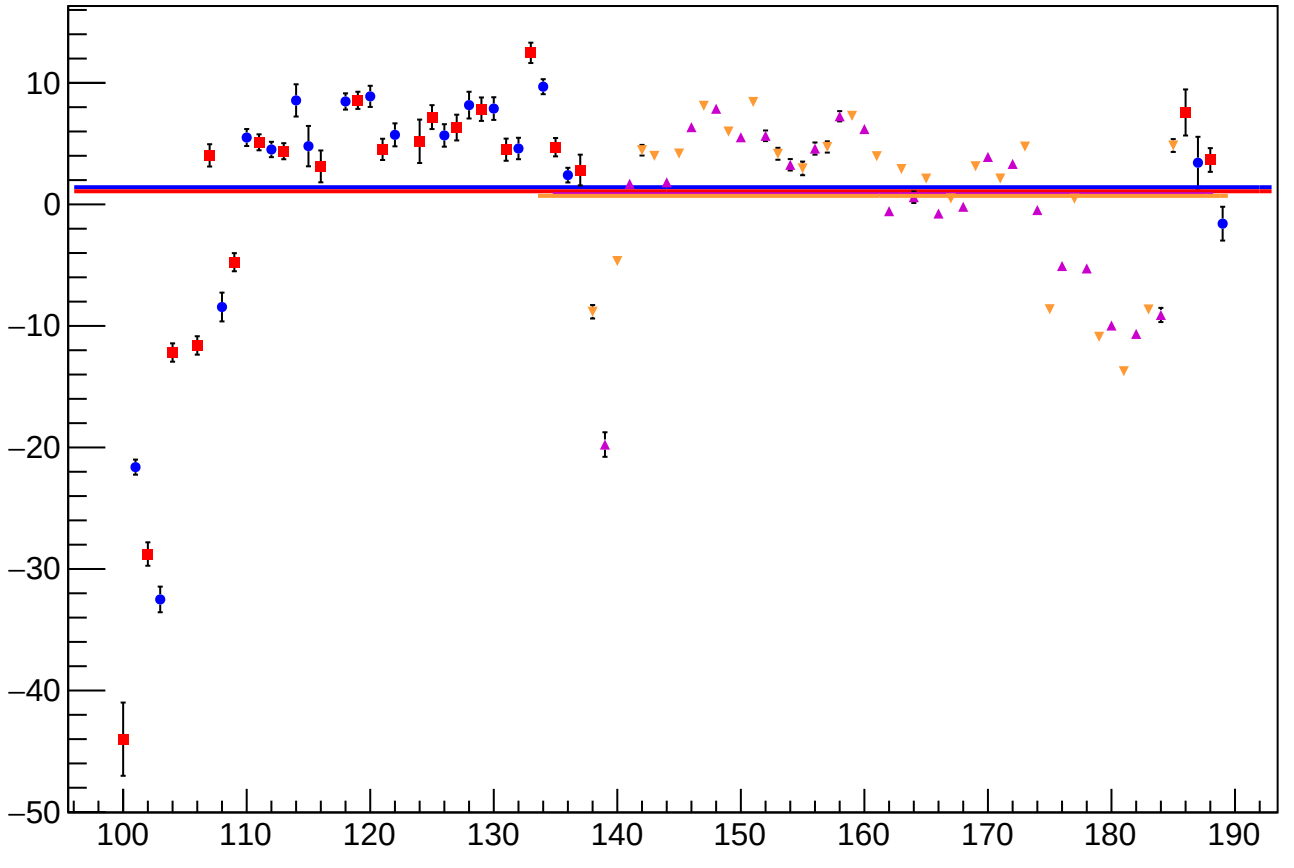
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 0.303+/-0.120 χ^2/NDF: 2831.8/38

In: 14.862+/-0.083 χ^2/NDF:22929.1/40

Out: 14.255+/-0.079 χ^2/NDF:30477.3/45

All: 14.544+/-0.057 χ^2/NDF: 53434.4/86



Right In: 1.413+/-0.200 χ^2/NDF: 3085.8/17

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 1.080+/-0.197 χ^2/NDF: 2396.6/20

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

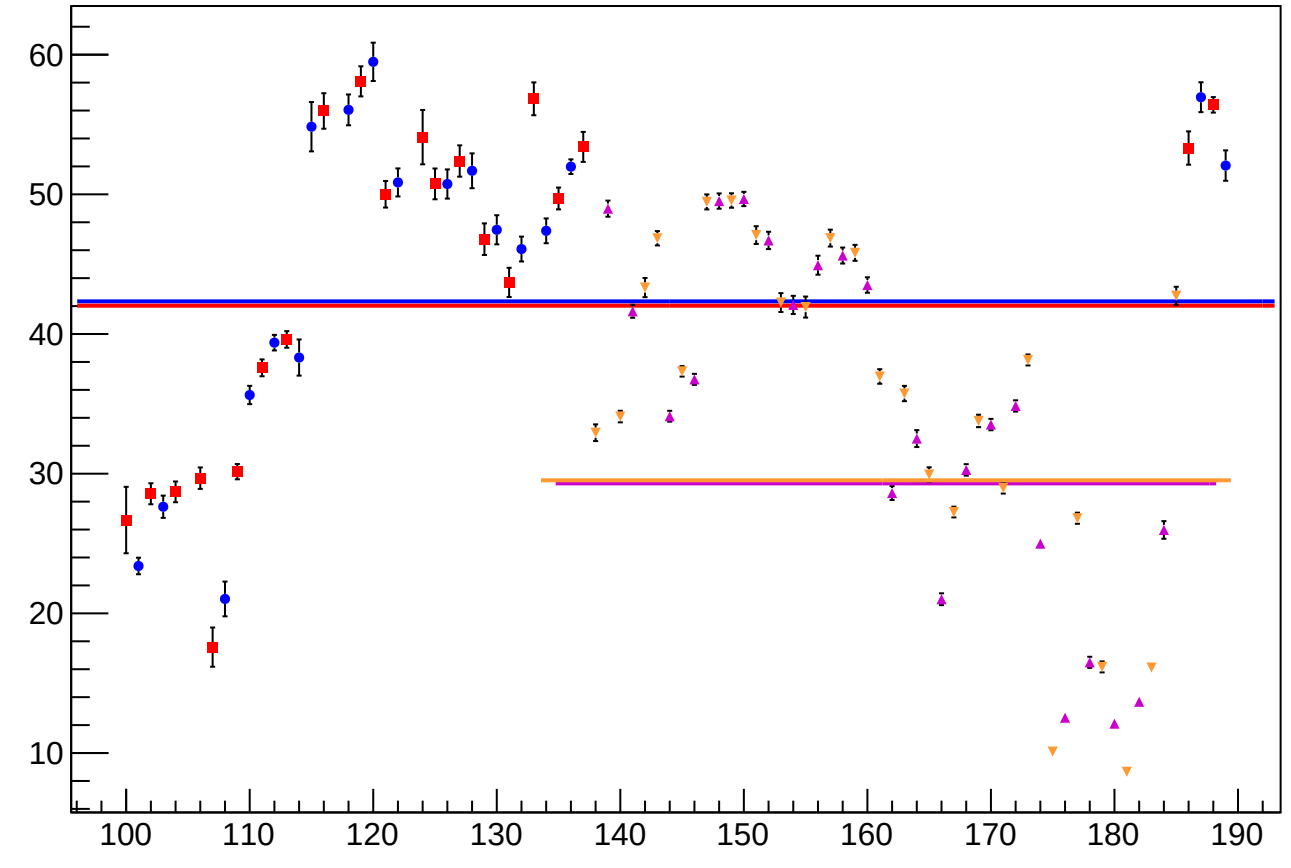
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: 1.244+/-0.140 χ^2/NDF: 5483.8/38

In: 0.912+/-0.068 χ^2/NDF:9138.3/40

Out: 0.745+/-0.066 χ^2/NDF:10637.7/45

All: 0.827+/-0.048 χ^2/NDF: 19779.0/86



Right In: 42.337+/-0.203 χ^2/NDF: 3031.9/17

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.028+/-0.188 χ^2/NDF: 3535.7/20

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

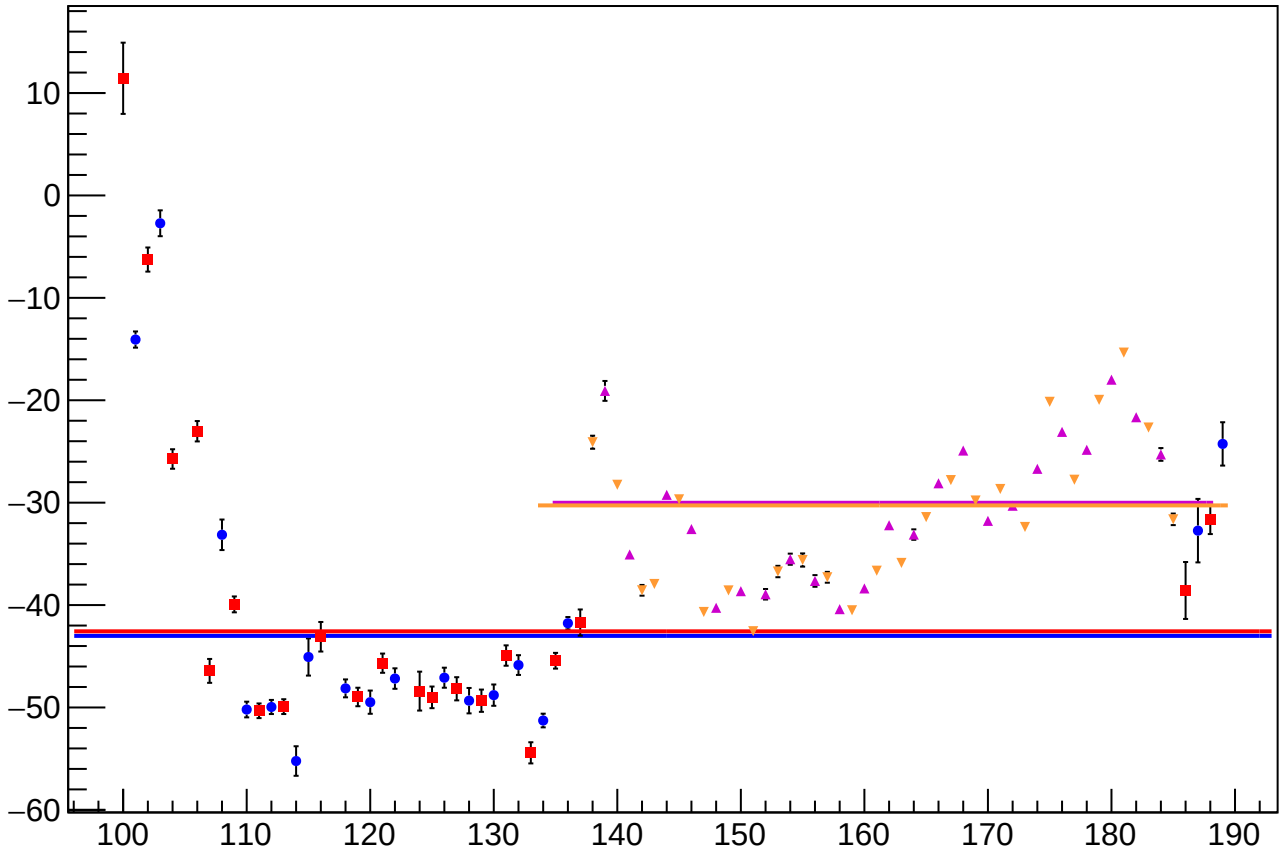
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 42.171+/-0.138 χ^2/NDF: 6568.8/38

In: 31.569+/-0.085 χ^2/NDF:24305.8/40

Out: 31.878+/-0.082 χ^2/NDF:28203.0/45

All: 31.729+/-0.059 χ^2/NDF: 52515.6/86



Right In: -43.009+/-0.227 χ^2/NDF: 3076.1/17

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.564+/-0.225 χ^2/NDF: 2515.6/20

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

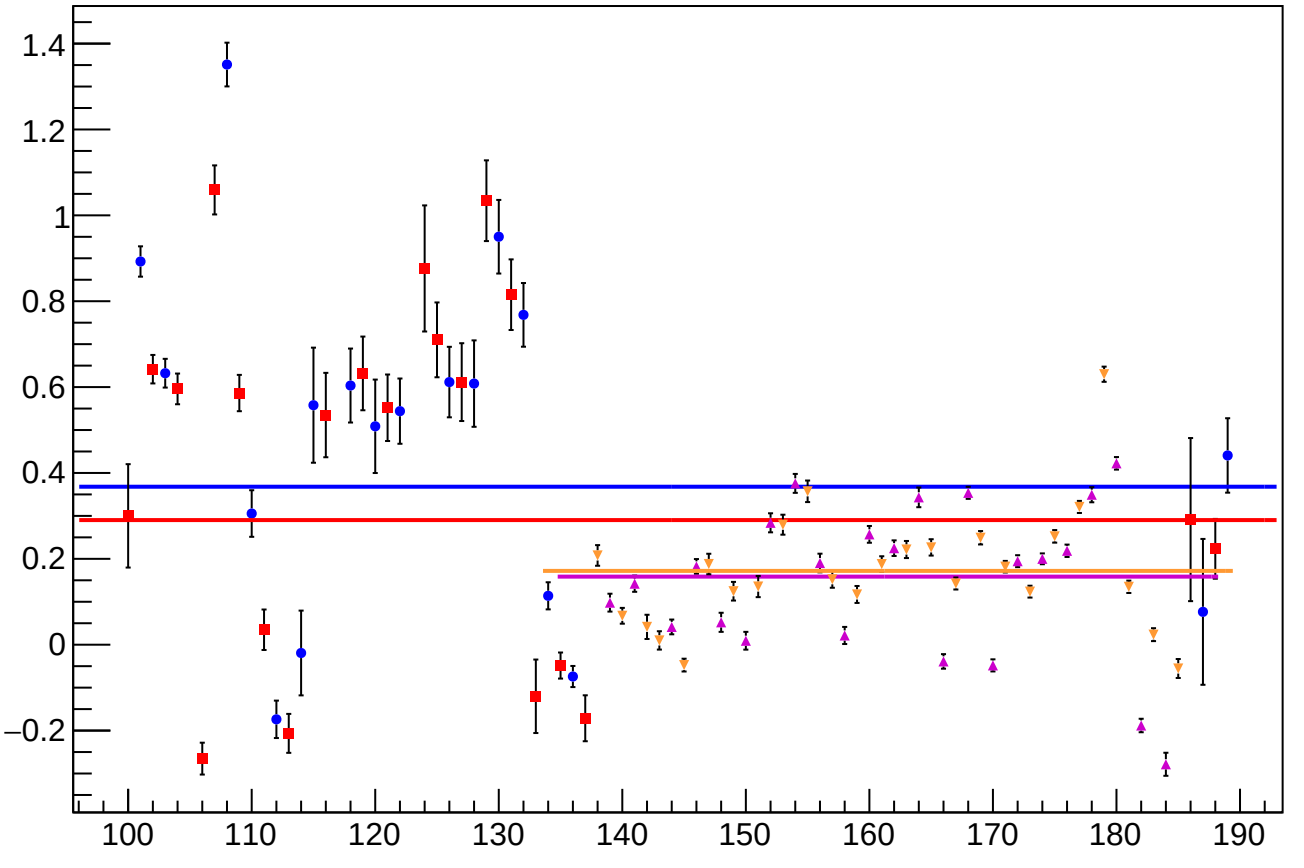
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -42.785+/-0.160 χ^2/NDF: 5593.6/38

In: -31.485+/-0.077 χ^2/NDF:12056.0/40

Out: -31.620+/-0.075 χ^2/NDF:13663.2/45

All: -31.554+/-0.053 χ^2/NDF: 25720.8/86



Right In: 0.368+/-0.012 χ^2/NDF: 1324.5/17

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.290+/-0.012 χ^2/NDF: 1200.2/20

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

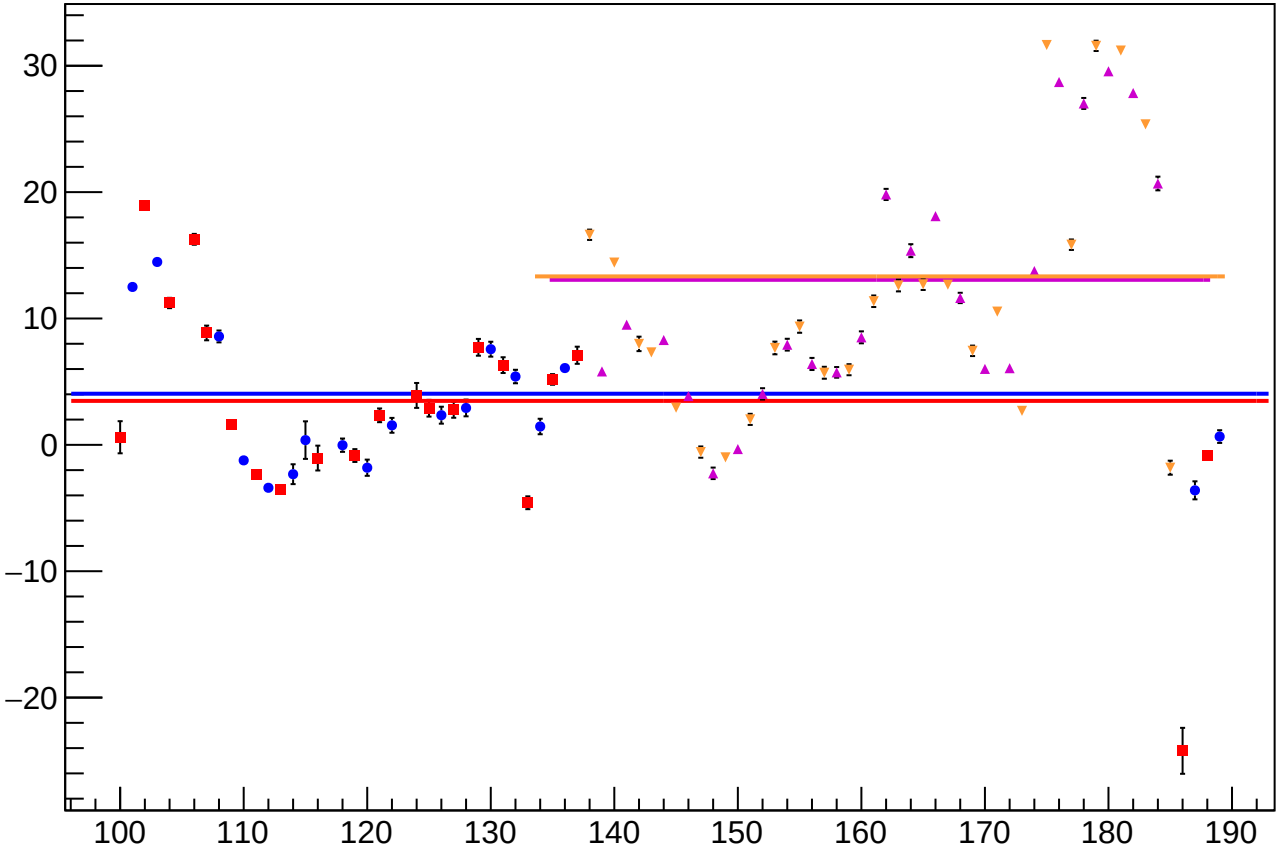
Right: 0.329+/-0.008 χ^2/NDF: 2545.8/38

In: 0.176+/-0.003 χ^2/NDF:3788.7/40

Out: 0.182+/-0.003 χ^2/NDF:2792.3/45

All: 0.179+/-0.002 χ^2/NDF: 6582.3/86

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.046+/-0.112 χ^2/NDF: 2793.2/17

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.479+/-0.100 χ^2/NDF: 4781.7/20

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

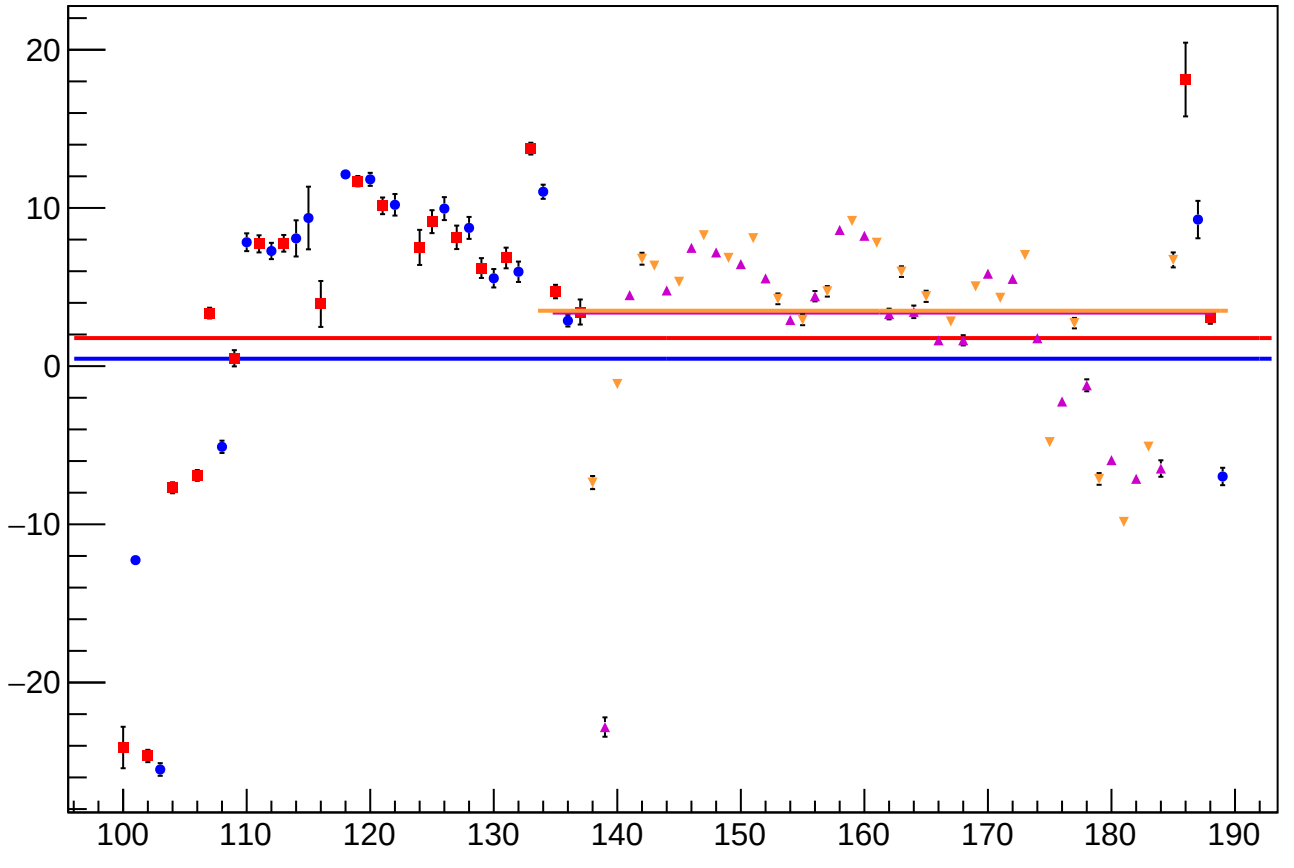
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.730+/-0.075 χ^2/NDF: 7589.1/38

In: 10.068+/-0.065 χ^2/NDF:22641.8/40

Out: 9.693+/-0.061 χ^2/NDF:30294.4/45

All: 9.869+/-0.044 χ^2/NDF: 52953.8/86



Right In: 0.469+/-0.113 χ^2/NDF: 10697.0/17

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: 1.774+/-0.106 χ^2/NDF: 9317.9/20

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

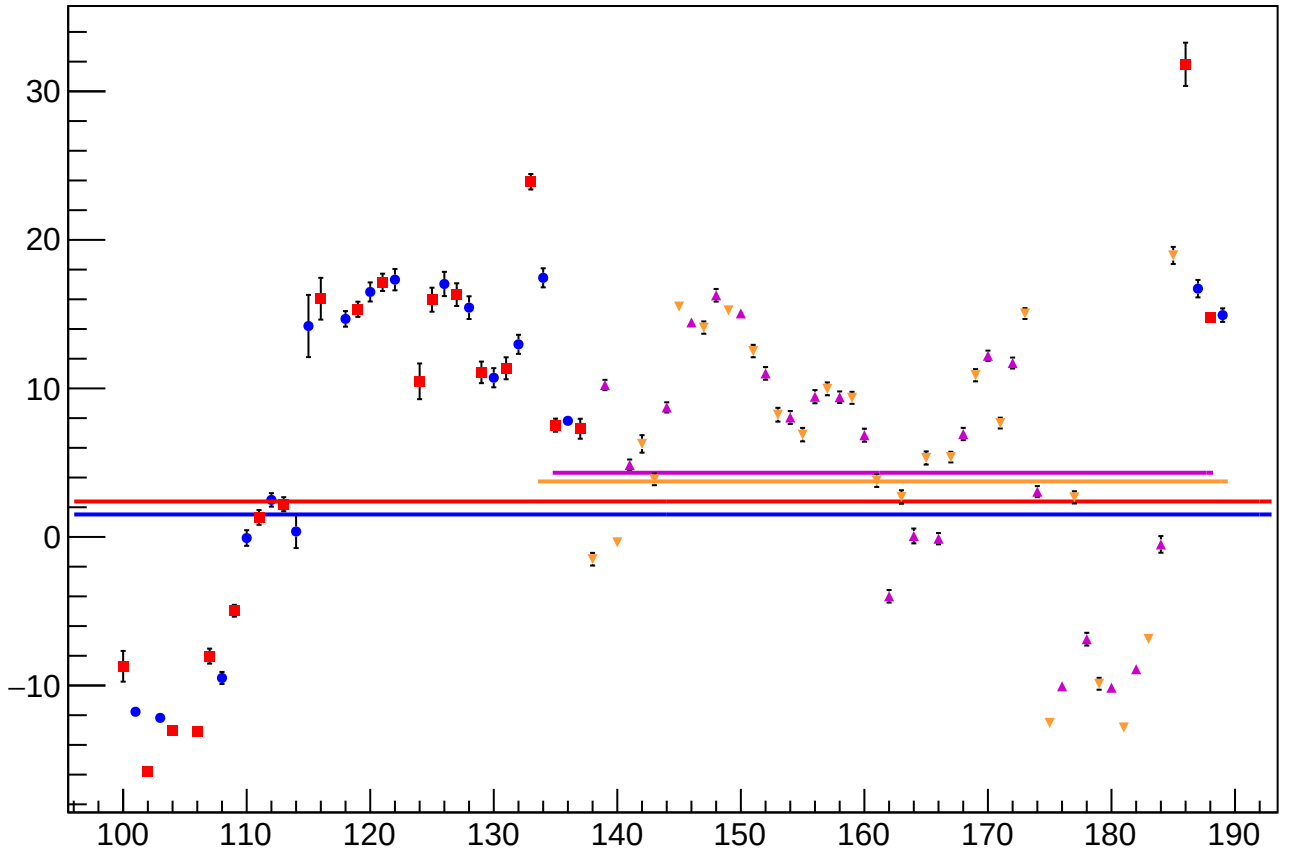
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: 1.160+/-0.077 χ^2/NDF: 20085.8/38

In: 2.726+/-0.054 χ^2/NDF:17921.0/40

Out: 3.101+/-0.051 χ^2/NDF:17432.0/45

All: 2.922+/-0.037 χ^2/NDF: 35378.4/86



Right In: 1.515+/-0.113 χ^2/NDF: 10984.7/17

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 2.388+/-0.101 χ^2/NDF: 17169.2/20

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

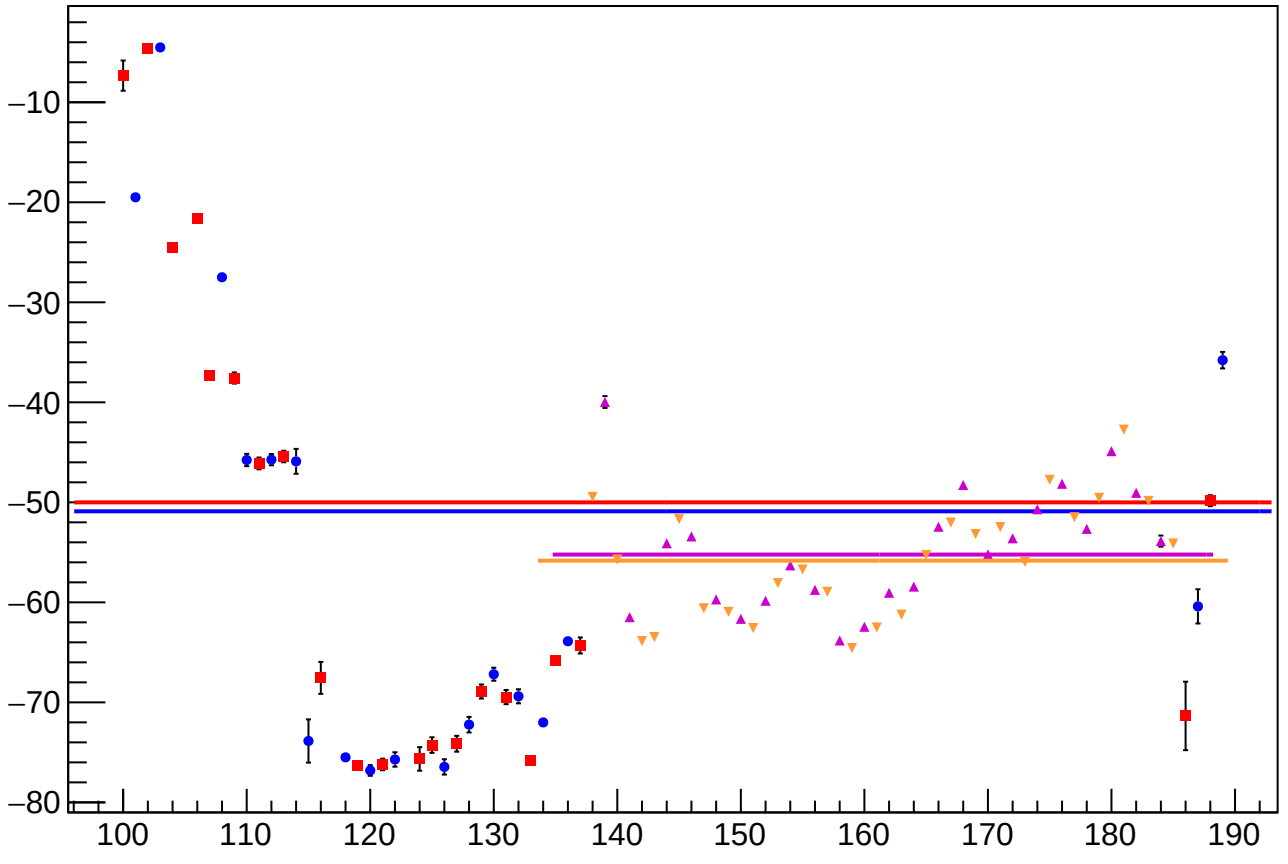
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 2.003+/-0.075 χ^2/NDF: 28187.1/38

In: 3.410+/-0.065 χ^2/NDF:23882.7/40

Out: 3.245+/-0.061 χ^2/NDF:32870.0/45

All: 3.322+/-0.044 χ^2/NDF: 56756.1/86



Right In: -50.898+/-0.134 χ^2/NDF: 34137.0/17

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -50.005+/-0.127 χ^2/NDF: 33931.6/20

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

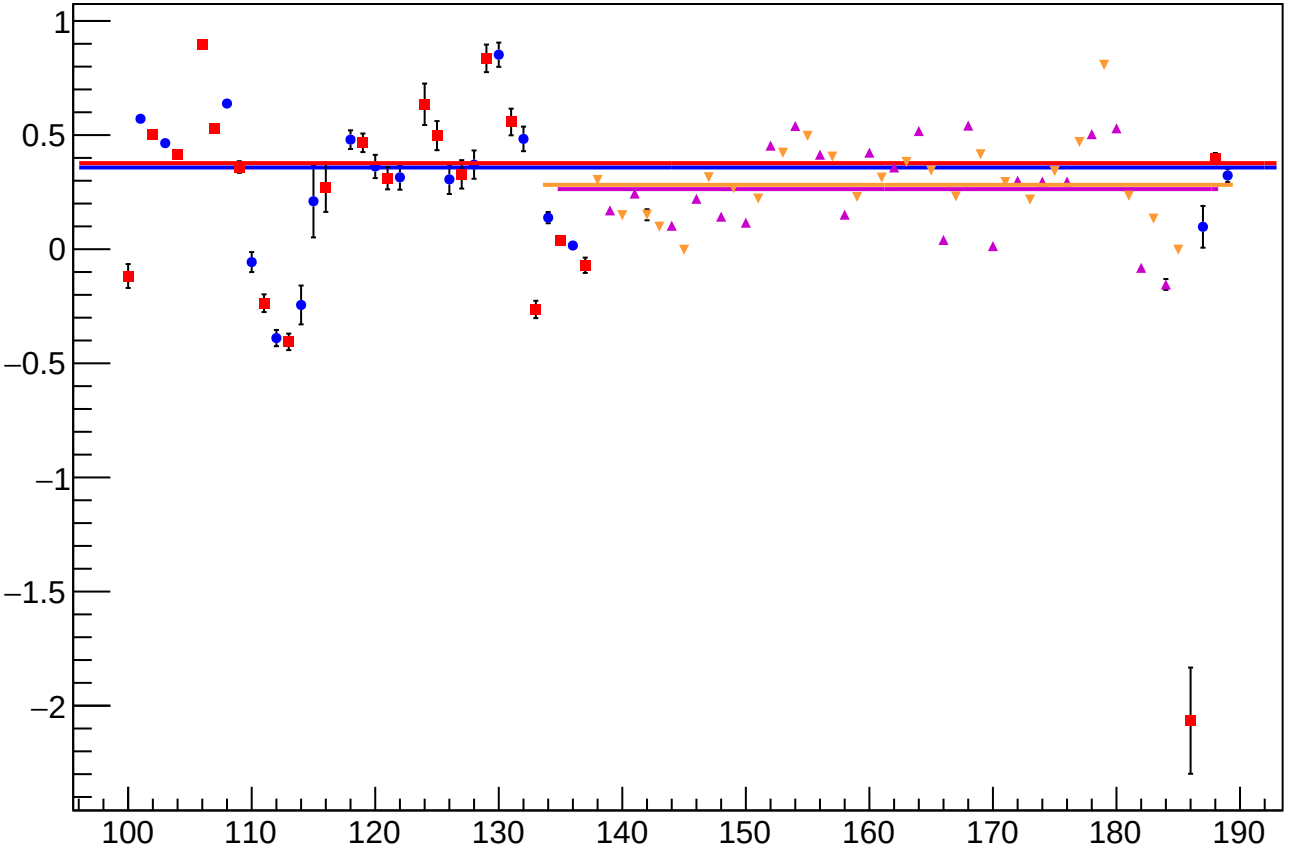
Right: -50.429+/-0.092 χ^2/NDF: 68092.0/38

In: -54.317+/-0.061 χ^2/NDF:41309.0/40

Out: -54.583+/-0.059 χ^2/NDF:43177.3/45

All: -54.455+/-0.042 χ^2/NDF: 84496.1/86

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.358+/-0.006 χ^2/NDF: 1869.7/17

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.377+/-0.006 χ^2/NDF: 2901.5/20

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

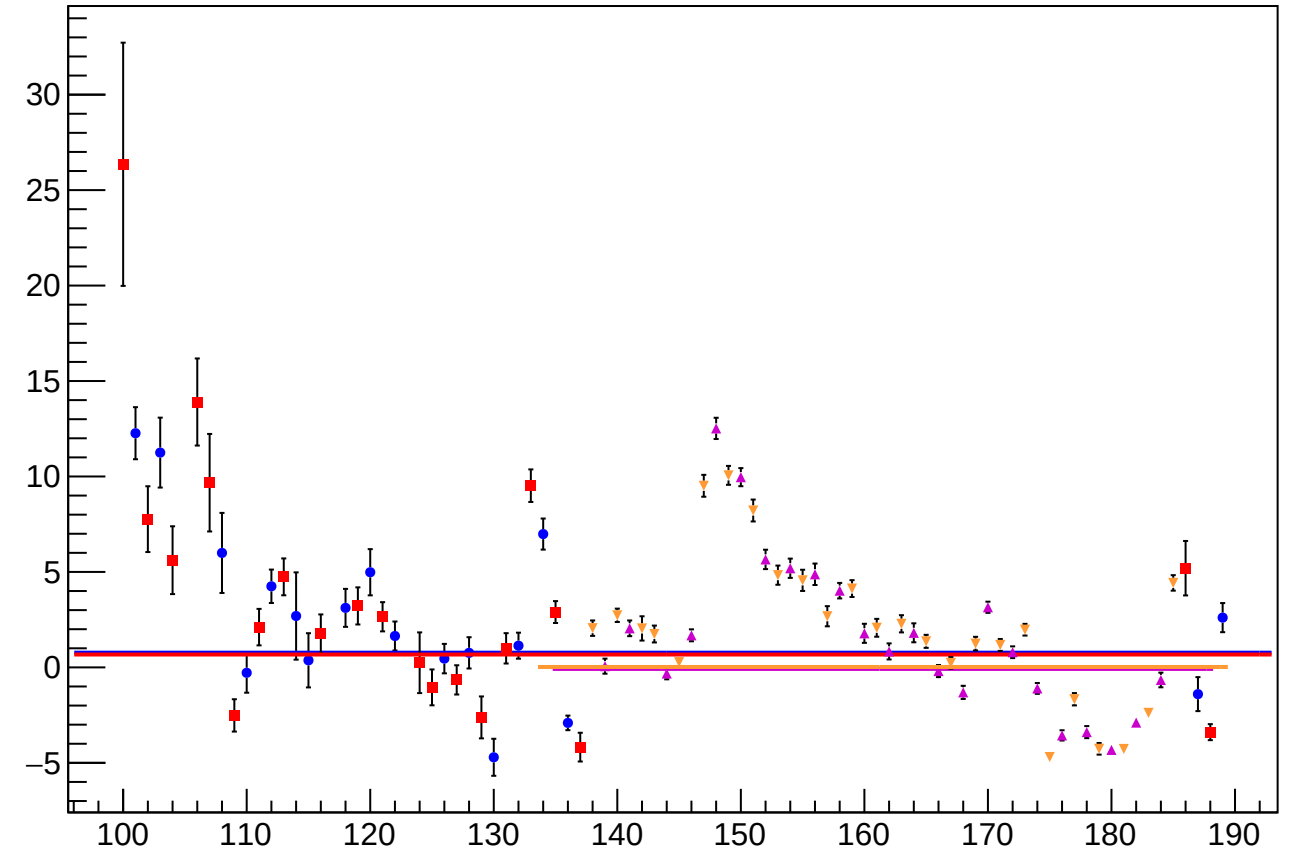
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.368+/-0.004 χ^2/NDF: 4776.1/38

In: 0.282+/-0.003 χ^2/NDF:5893.8/40

Out: 0.301+/-0.003 χ^2/NDF:5819.1/45

All: 0.292+/-0.002 χ^2/NDF: 11739.9/86



Right In: 0.770+/-0.199 χ^2/NDF: 341.8/17

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 0.674+/-0.195 χ^2/NDF: 419.4/20

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

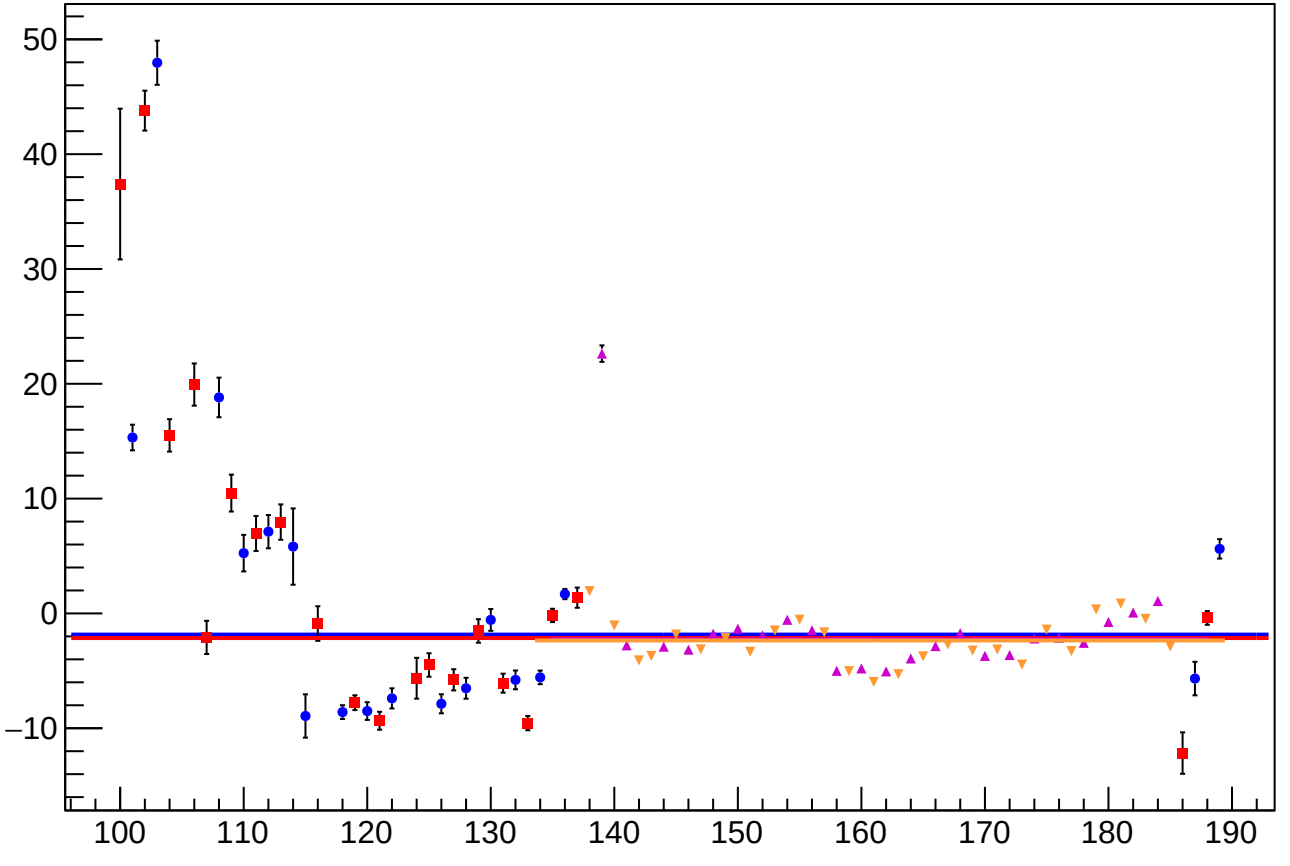
Right: 0.721+/-0.139 χ^2/NDF: 761.4/38

In: 0.015+/-0.067 χ^2/NDF:2822.5/40

Out: 0.094+/-0.065 χ^2/NDF:3188.7/45

All: 0.056+/-0.046 χ^2/NDF: 6011.9/86

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.845+/-0.207 χ^2/NDF: 1660.8/17

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -2.145+/-0.212 χ^2/NDF: 1595.3/20

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

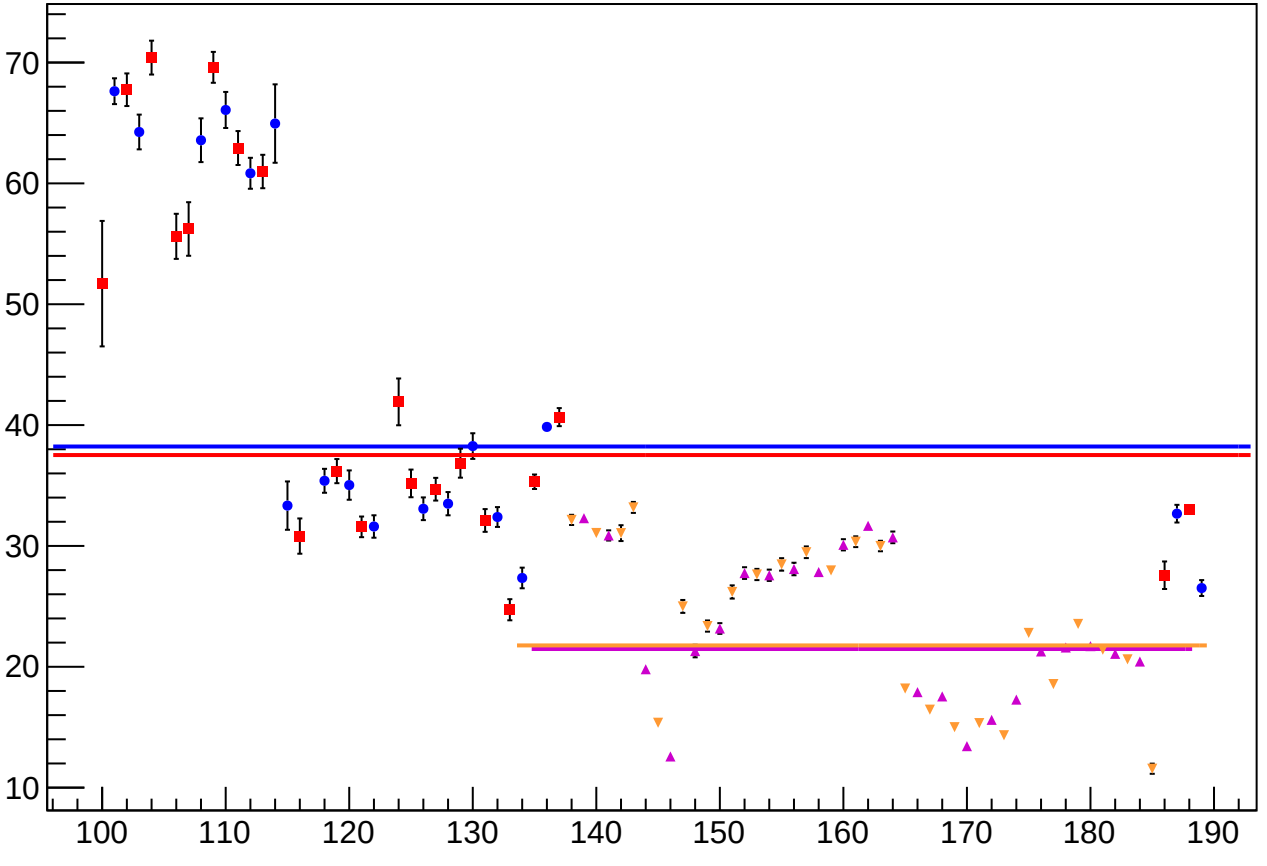
Right: -1.991+/-0.148 χ^2/NDF: 3257.1/38

In: -2.228+/-0.054 χ^2/NDF:3541.8/40

Out: -2.339+/-0.053 χ^2/NDF:2721.8/45

All: -2.285+/-0.038 χ^2/NDF: 6265.7/86

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 38.227+/-0.209 χ^2/NDF: 2740.6/17

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 37.520+/-0.198 χ^2/NDF: 3095.2/20

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

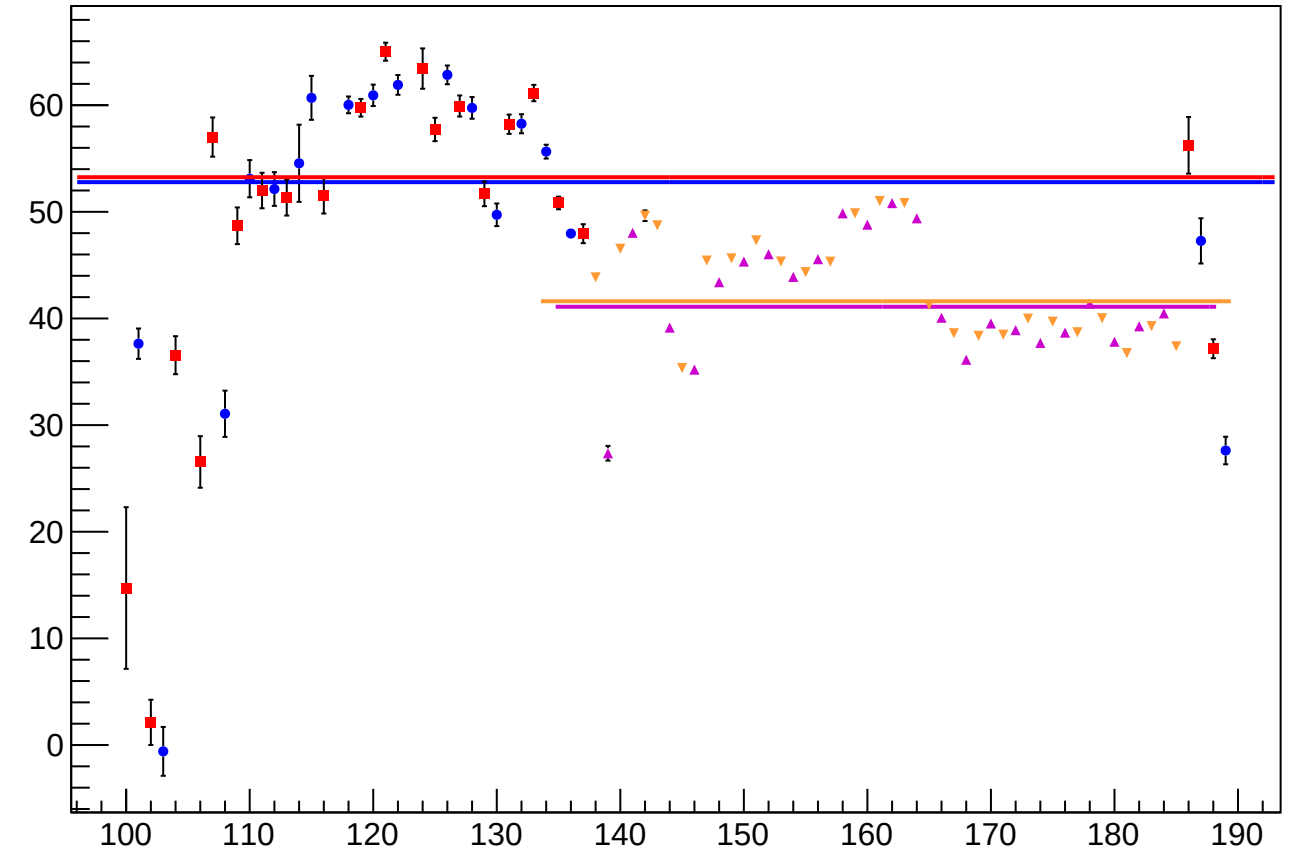
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 37.855+/-0.144 χ^2/NDF: 5841.9/38

In: 23.185+/-0.067 χ^2/NDF:14286.2/40

Out: 23.464+/-0.065 χ^2/NDF:15543.4/45

All: 23.329+/-0.047 χ^2/NDF: 29838.5/86



Right In: 52.783+/-0.234 χ^2/NDF: 1764.4/17

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 53.246+/-0.245 χ^2/NDF: 1700.7/20

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

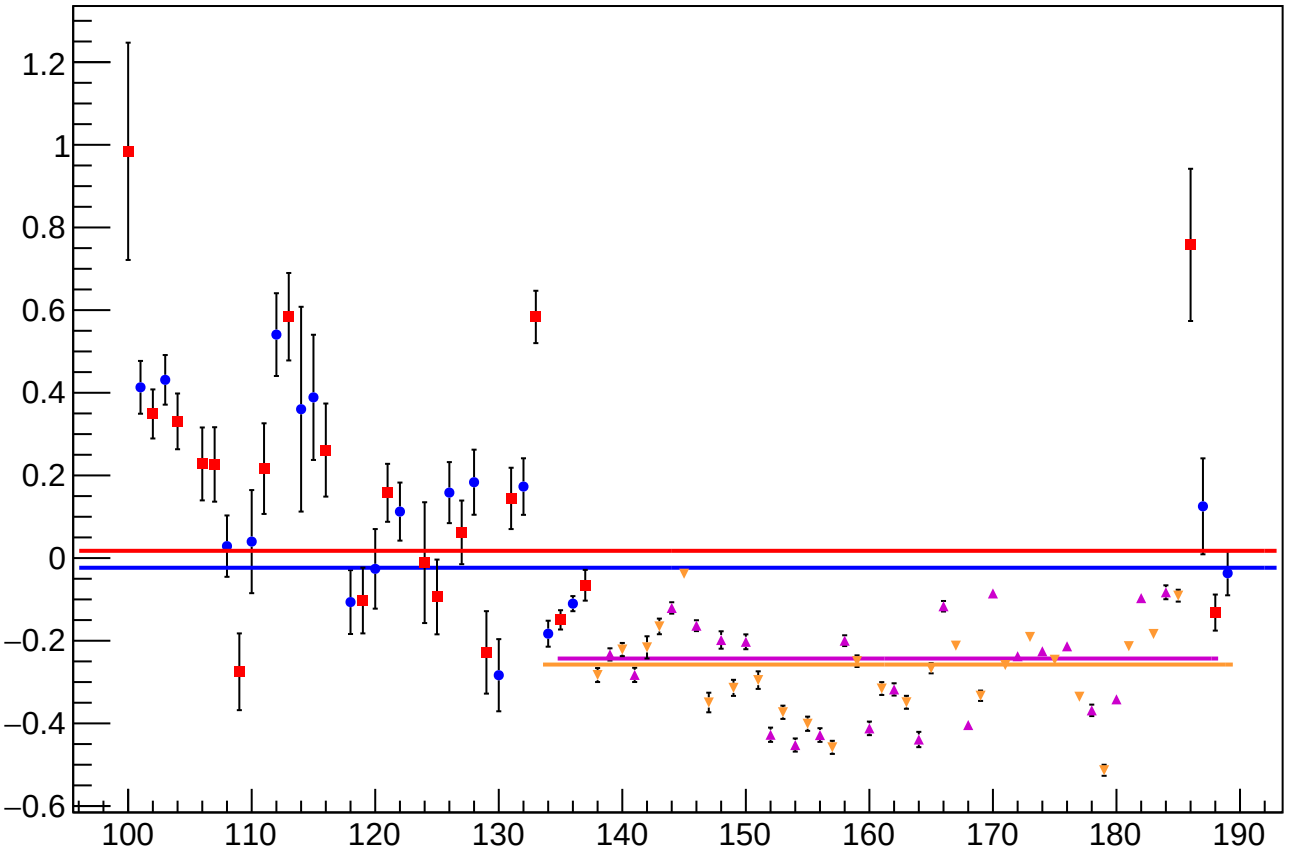
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 53.003+/-0.169 χ^2/NDF: 3467.0/38

In: 41.882+/-0.061 χ^2/NDF:9577.0/40

Out: 42.297+/-0.059 χ^2/NDF:9598.7/45

All: 42.094+/-0.042 χ^2/NDF: 19199.7/86



Right In: -0.023+/-0.012 χ^2/NDF: 231.4/17

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: 0.018+/-0.014 χ^2/NDF: 305.0/20

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

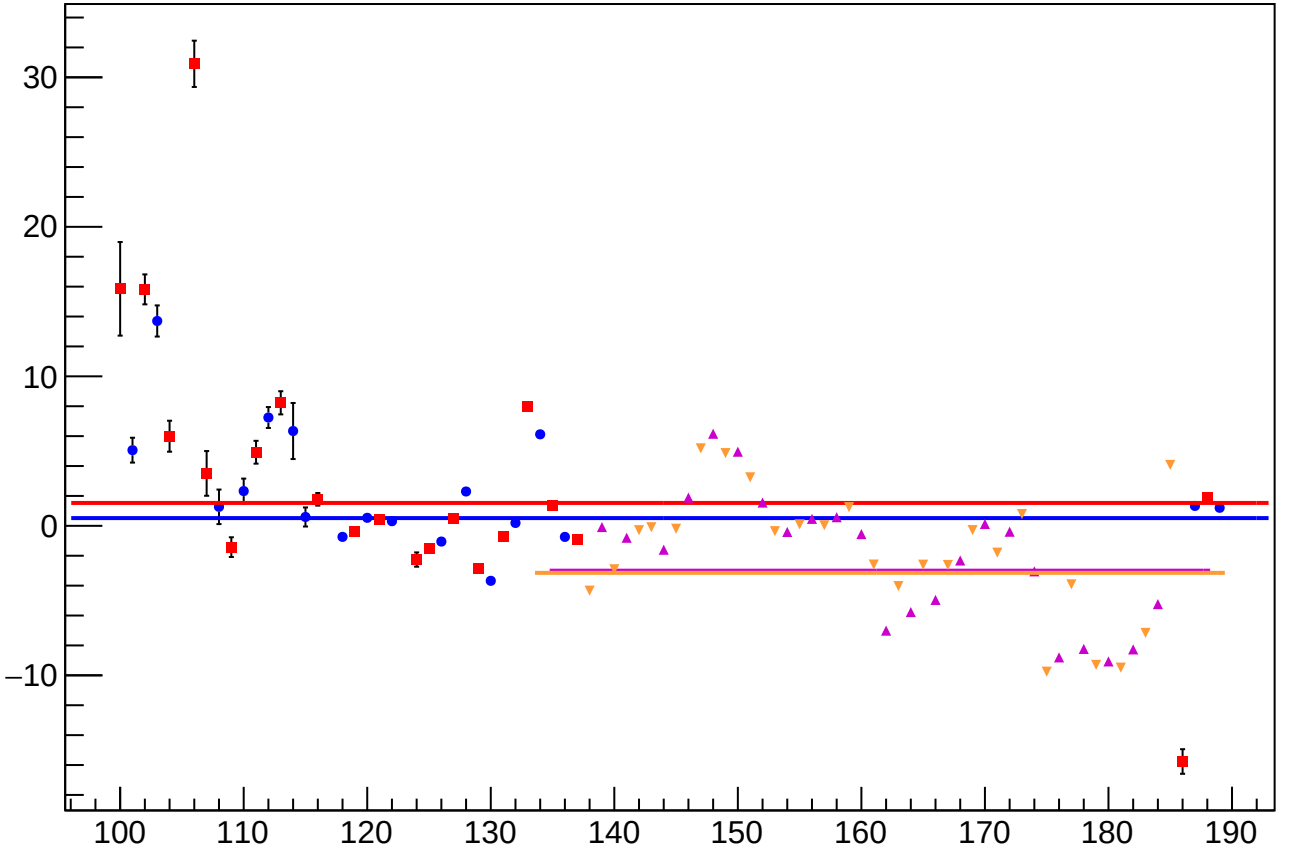
Right: -0.005+/-0.009 χ^2/NDF: 541.4/38

In: -0.233+/-0.003 χ^2/NDF:2343.0/40

Out: -0.247+/-0.003 χ^2/NDF:2218.9/45

All: -0.240+/-0.002 χ^2/NDF: 4576.1/86

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.517+/-0.072 χ^2/NDF: 1114.6/17

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.532+/-0.065 χ^2/NDF: 2862.0/20

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

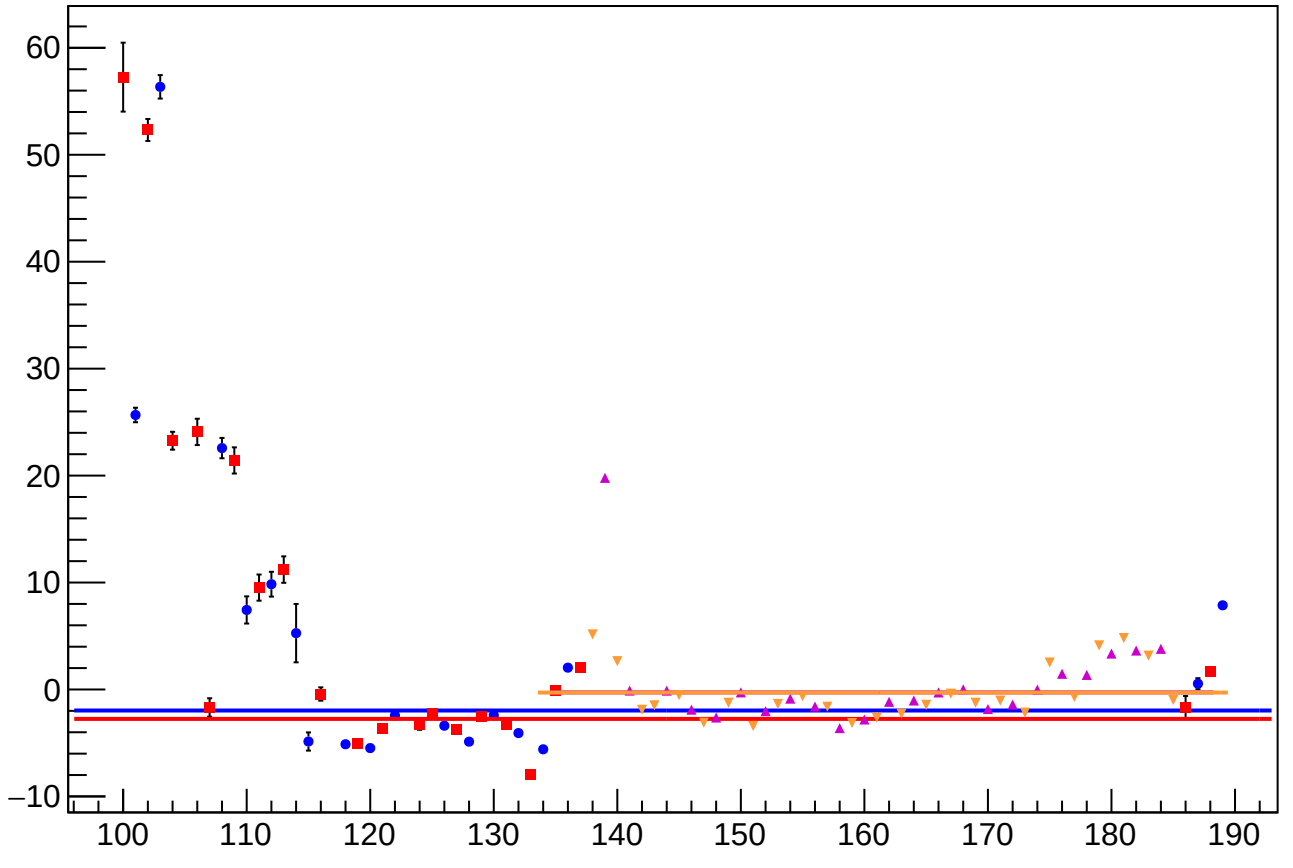
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 1.070+/-0.048 χ^2/NDF: 4086.2/38

In: -2.518+/-0.026 χ^2/NDF:25627.2/40

Out: -2.431+/-0.026 χ^2/NDF:32560.6/45

All: -2.473+/-0.018 χ^2/NDF: 58193.6/86



Right In: -1.966+/-0.068 χ^2/NDF: 8582.3/17

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: -2.751+/-0.066 χ^2/NDF: 7910.0/20

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

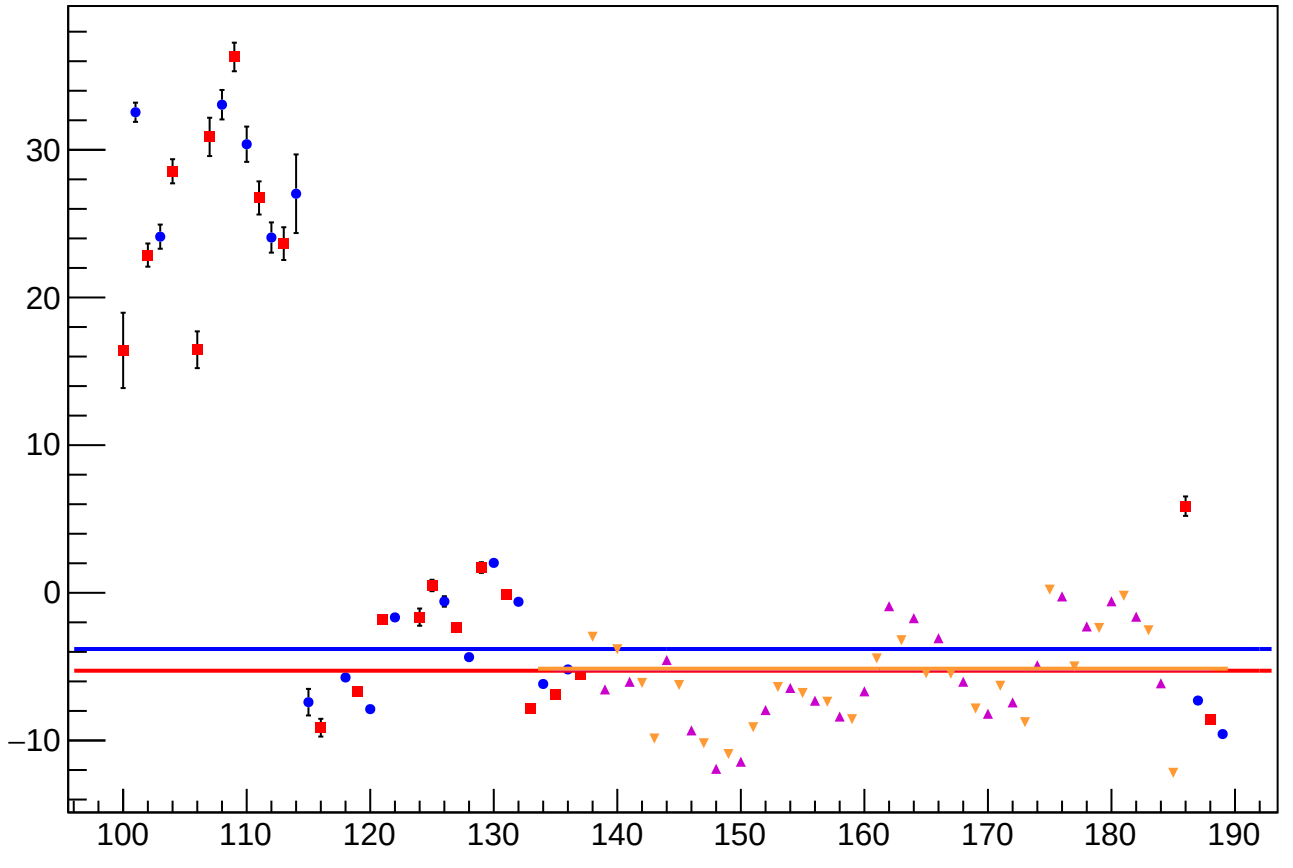
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: -2.372+/-0.047 χ^2/NDF: 16561.5/38

In: -0.436+/-0.021 χ^2/NDF:22367.5/40

Out: -0.534+/-0.021 χ^2/NDF:21380.9/45

All: -0.486+/-0.015 χ^2/NDF: 43759.1/86



Right In: -3.806+/-0.074 χ^2/NDF: 9276.5/17

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.276+/-0.064 χ^2/NDF: 10385.9/20

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

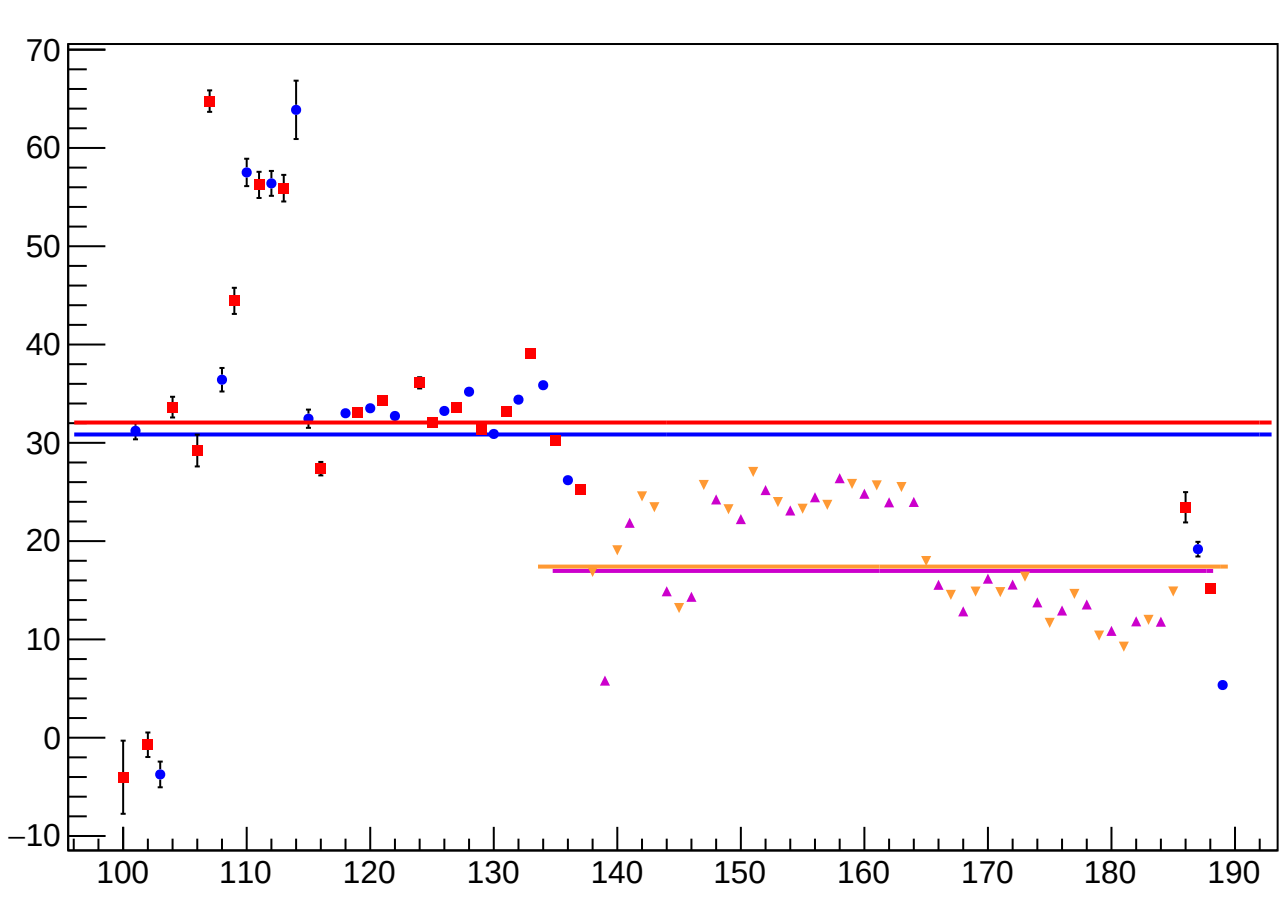
Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

Right: -4.652+/-0.048 χ^2/NDF: 19888.3/38

In: -5.002+/-0.027 χ^2/NDF:23538.2/40

Out: -5.160+/-0.025 χ^2/NDF:25015.9/45

All: -5.084+/-0.018 χ^2/NDF: 48572.6/86



Right In: 30.849+/-0.079 χ^2/NDF: 7765.2/17

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 32.065+/-0.078 χ^2/NDF: 9158.7/20

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

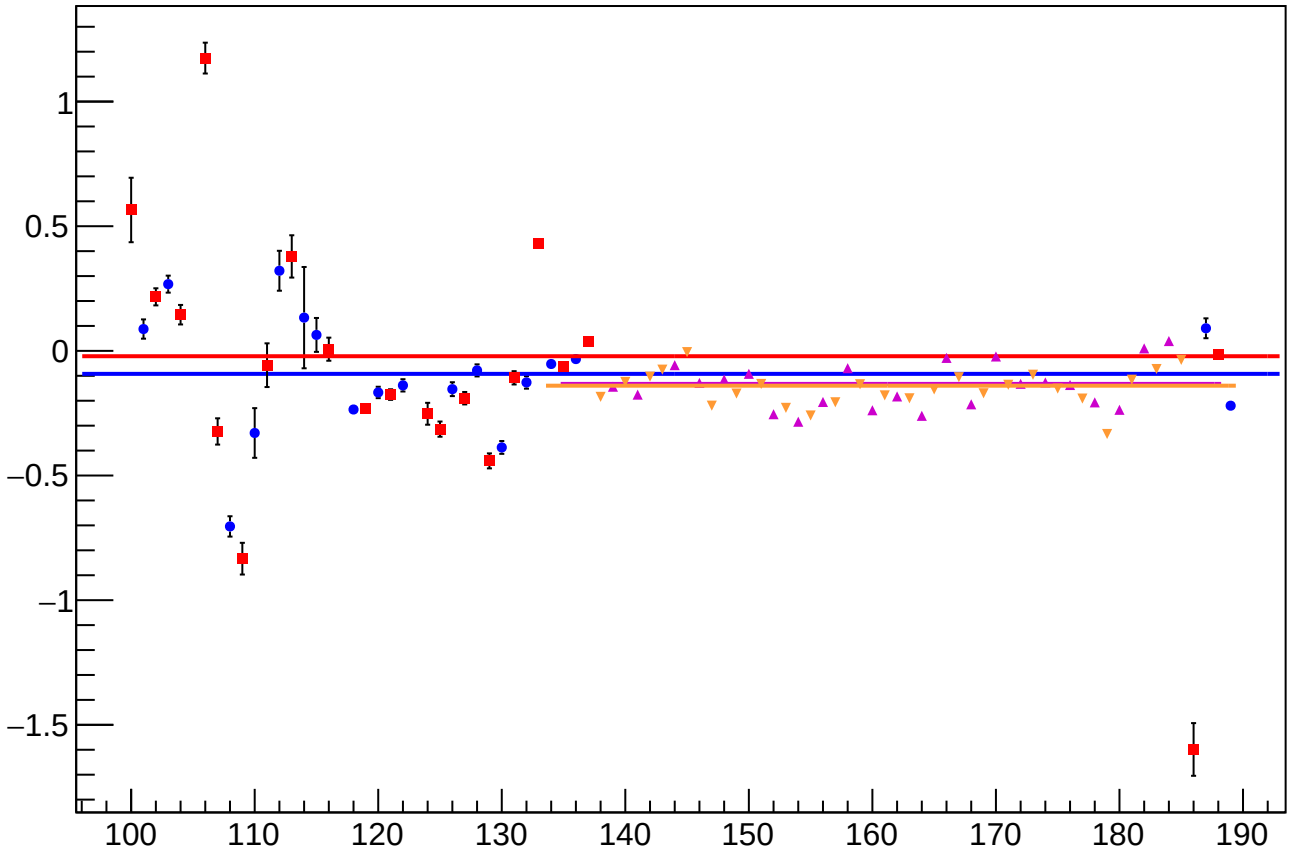
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 31.470+/-0.055 χ^2/NDF: 17044.2/38

In: 18.226+/-0.024 χ^2/NDF:75633.2/40

Out: 18.733+/-0.023 χ^2/NDF:92248.9/45

All: 18.485+/-0.017 χ^2/NDF: 168113.5/86



Right In: -0.092+/-0.005 χ^2/NDF: 787.6/17

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.021+/-0.005 χ^2/NDF: 2497.0/20

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

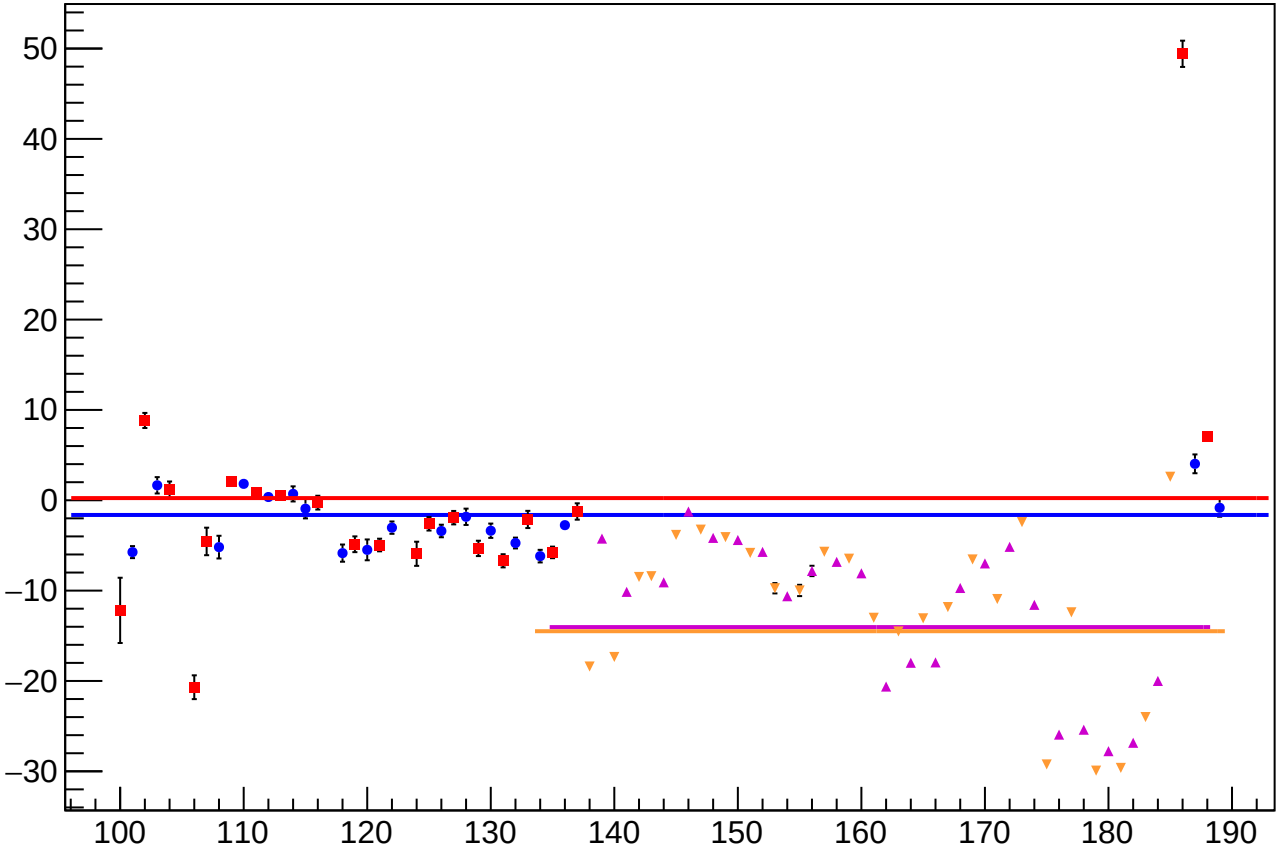
Right: -0.058+/-0.003 χ^2/NDF: 3400.5/38

In: -0.130+/-0.001 χ^2/NDF:6390.7/40

Out: -0.134+/-0.001 χ^2/NDF:7198.4/45

All: -0.132+/-0.001 χ^2/NDF: 13594.4/86

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.626+/-0.153 χ^2/NDF: 328.8/17

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: 0.241+/-0.142 χ^2/NDF: 2093.3/20

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

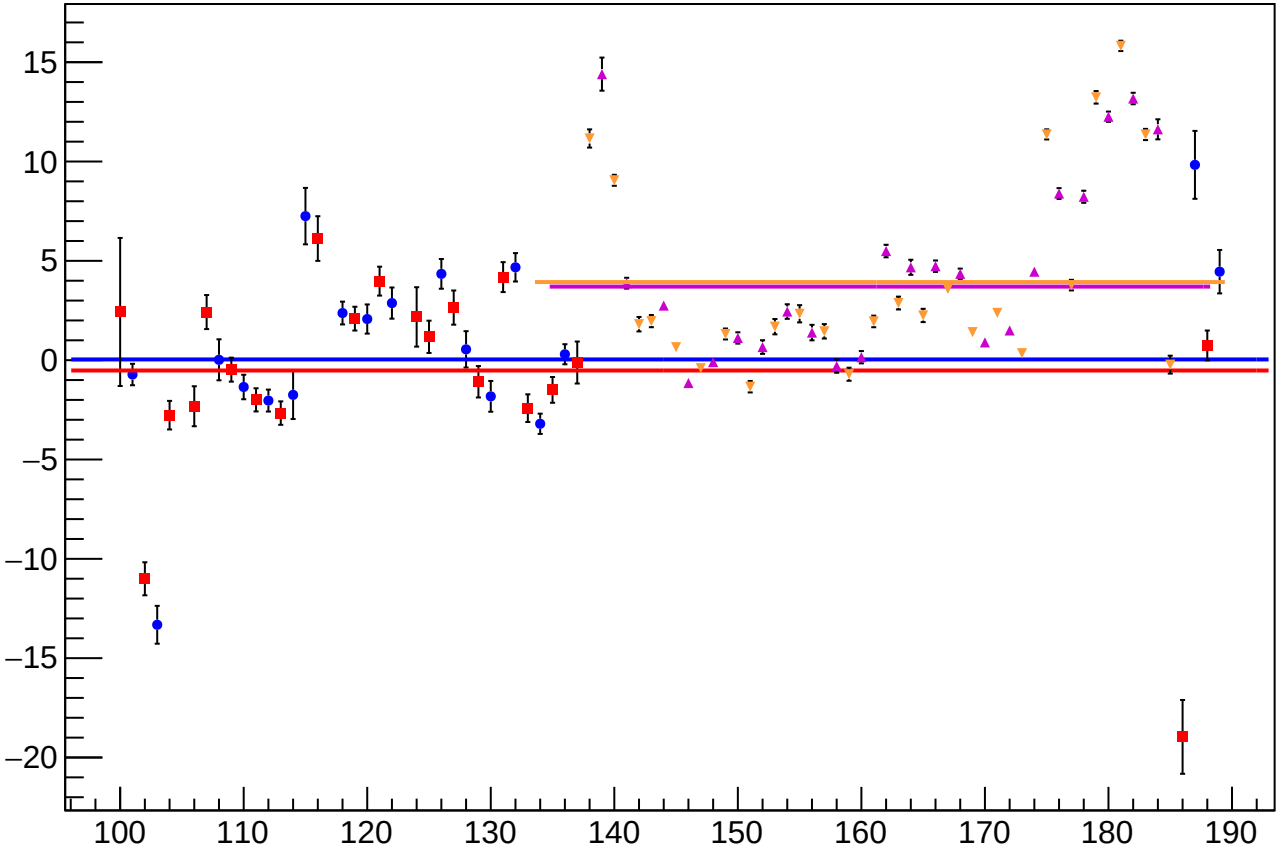
Right: -0.621+/-0.104 χ^2/NDF: 2501.7/38

In: -11.552+/-0.069 χ^2/NDF:19040.7/40

Out: -11.302+/-0.066 χ^2/NDF:27741.6/45

All: -11.422+/-0.048 χ^2/NDF: 46789.2/86

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.037+/-0.170 χ^2/NDF: 453.8/17

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: -0.519+/-0.172 χ^2/NDF: 467.9/20

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

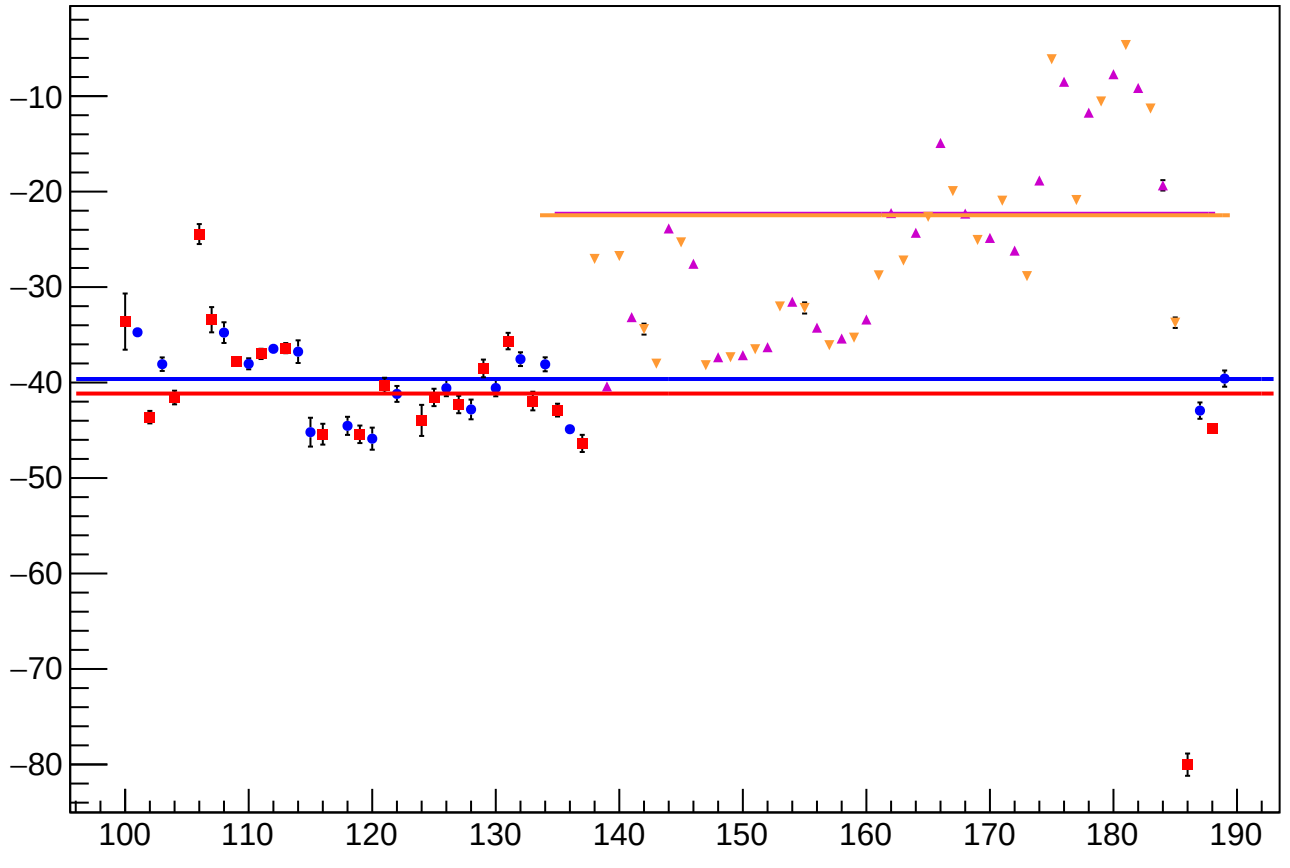
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: -0.238+/-0.121 χ^2/NDF: 927.0/38

In: 3.306+/-0.056 χ^2/NDF:5656.8/40

Out: 3.477+/-0.055 χ^2/NDF:8050.2/45

All: 3.393+/-0.039 χ^2/NDF: 13711.8/86



Right In: -39.628+/-0.173 χ^2/NDF: 424.9/17

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -41.152+/-0.165 χ^2/NDF: 1812.4/20

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

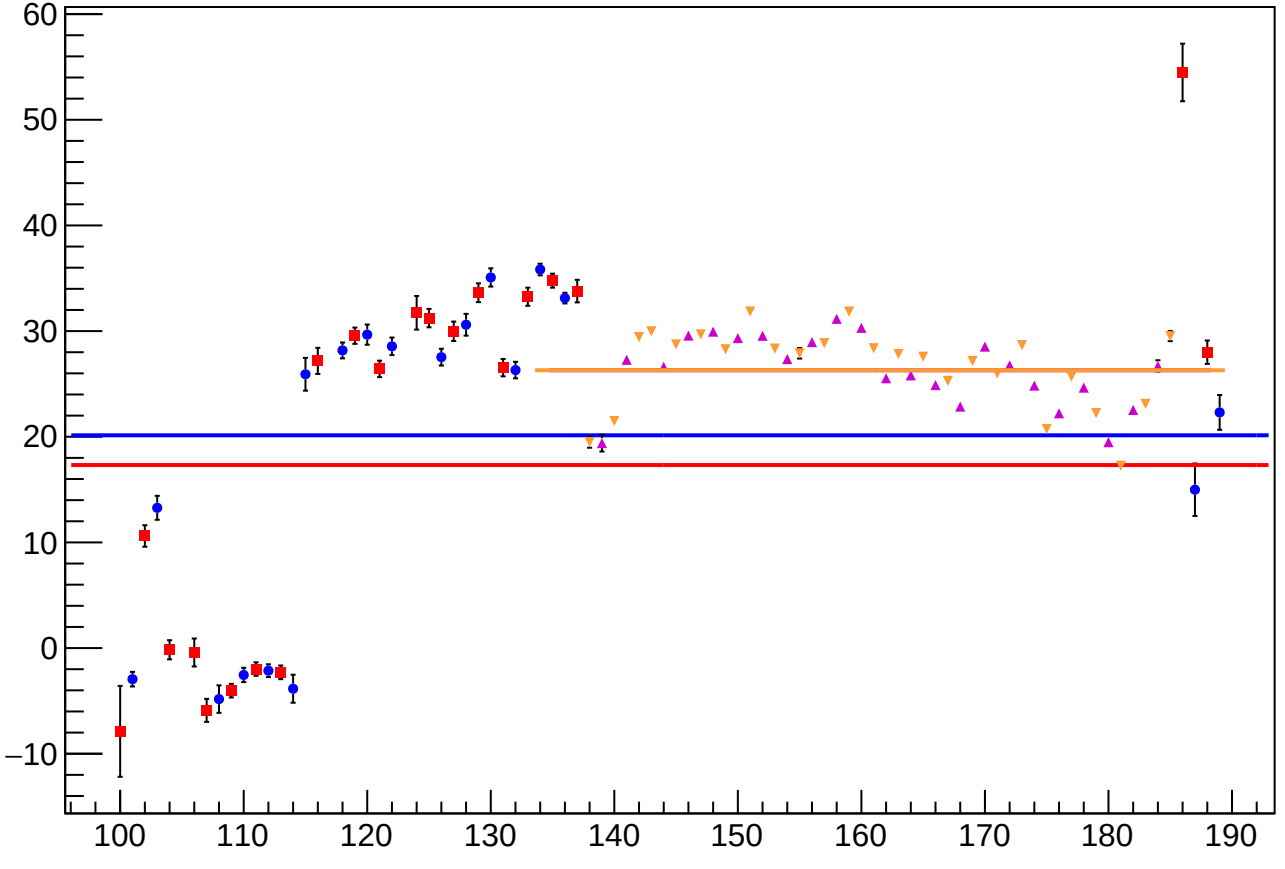
Right: -40.425+/-0.119 χ^2/NDF: 2278.0/38

In: -25.166+/-0.070 χ^2/NDF:25952.0/40

Out: -25.658+/-0.068 χ^2/NDF:32850.4/45

All: -25.419+/-0.049 χ^2/NDF: 58827.9/86

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.139+/-0.193 χ^2/NDF: 6690.6/17

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.322+/-0.196 χ^2/NDF: 7025.5/20

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

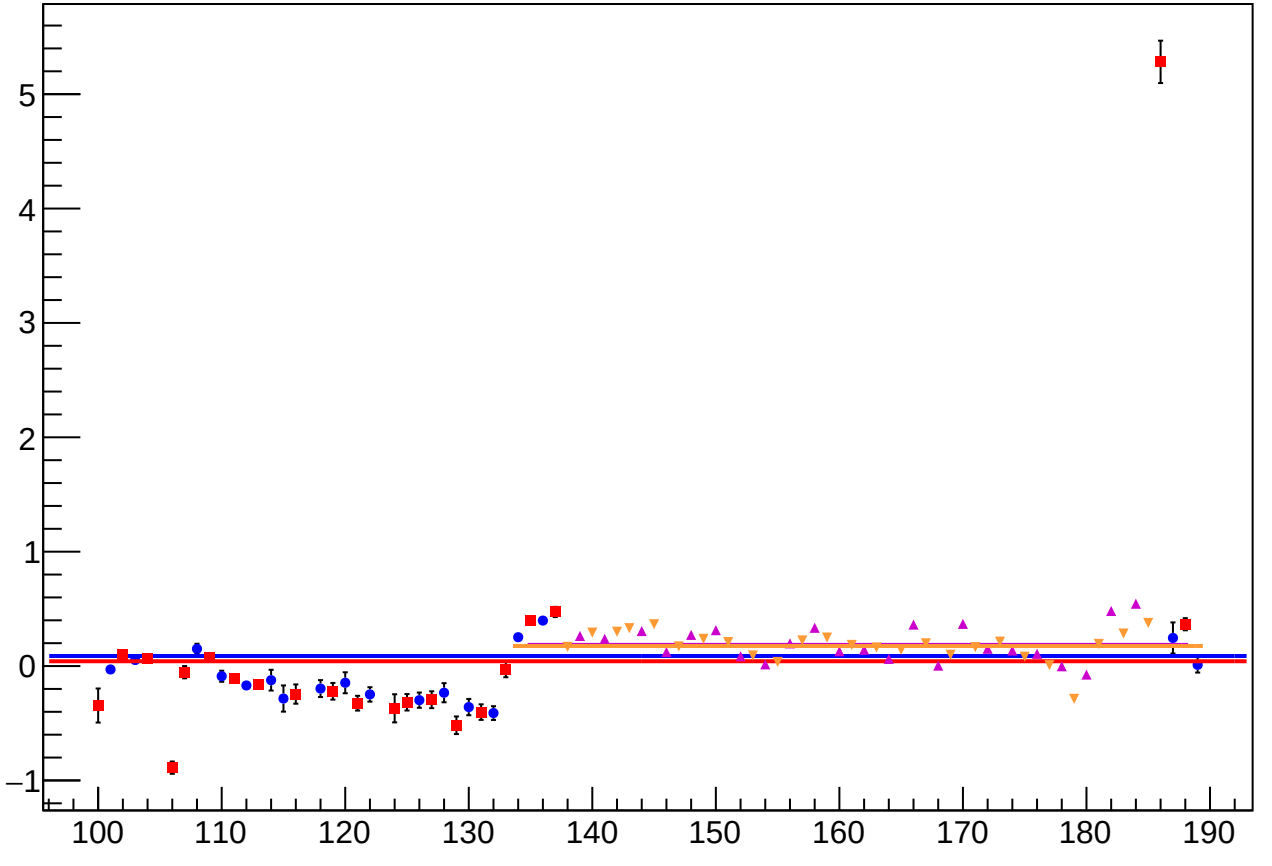
Right: 18.754+/-0.137 χ^2/NDF: 13821.1/38

In: 25.635+/-0.063 χ^2/NDF:9786.6/40

Out: 25.405+/-0.062 χ^2/NDF:12220.9/45

All: 25.518+/-0.044 χ^2/NDF: 22014.3/86

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.010 χ^2/NDF: 566.6/17

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: 0.042+/-0.011 χ^2/NDF: 1680.1/20

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

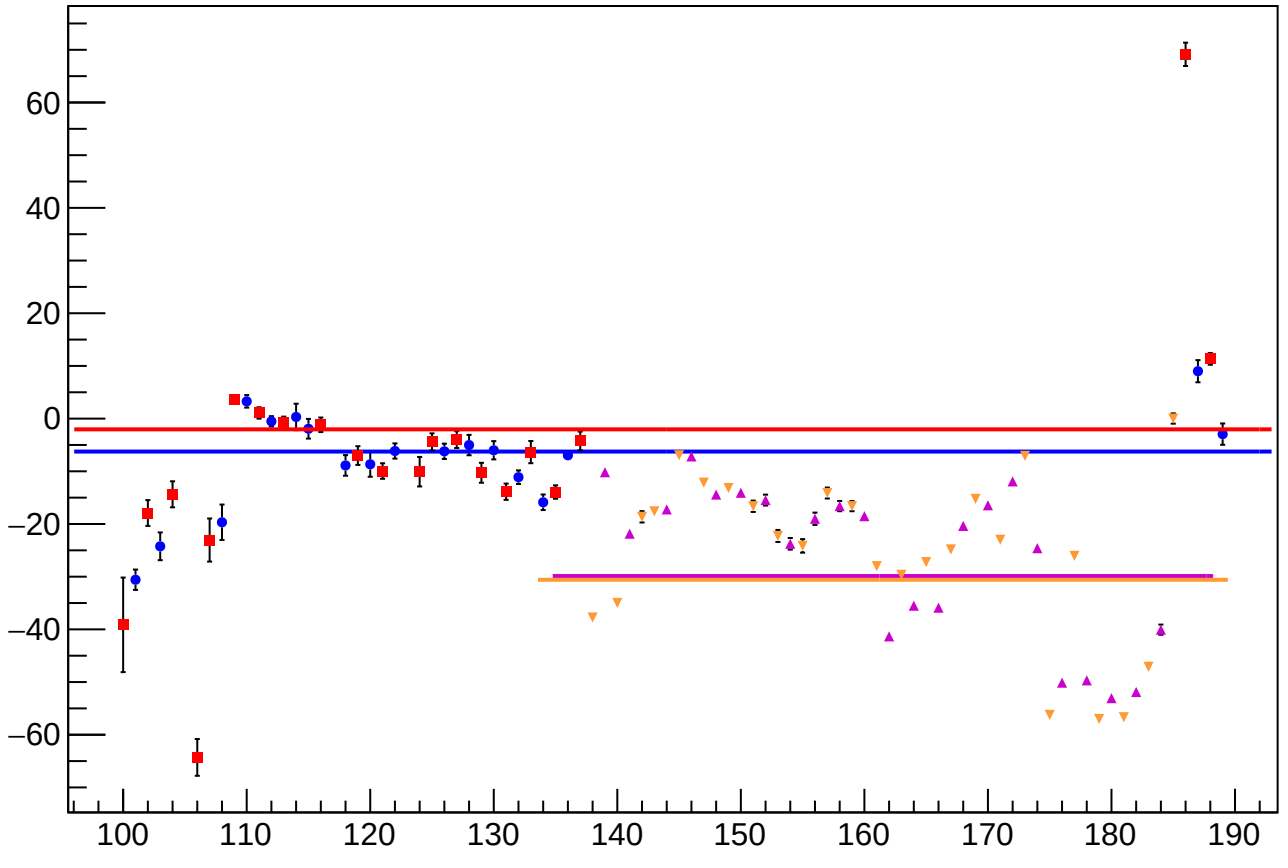
Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

Right: 0.066+/-0.007 χ^2/NDF: 2256.3/38

In: 0.178+/-0.003 χ^2/NDF:3187.5/40

Out: 0.167+/-0.003 χ^2/NDF:3759.0/45

All: 0.172+/-0.002 χ^2/NDF: 6954.0/86



Right In: -6.253+/-0.364 χ^2/NDF: 447.8/17

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -2.035+/-0.346 χ^2/NDF: 1871.4/20

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

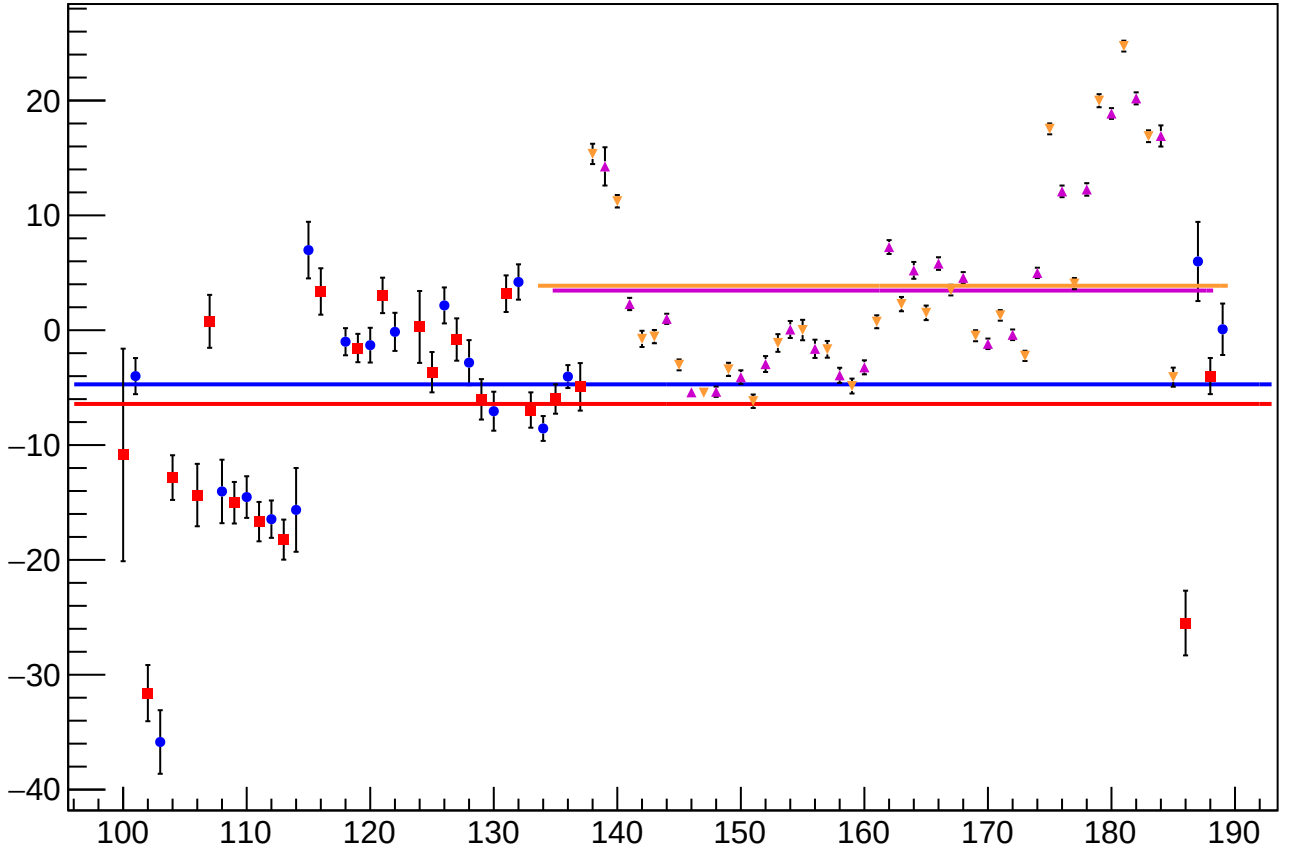
Right: -4.038+/-0.251 χ^2/NDF: 2389.9/38

In: -26.591+/-0.136 χ^2/NDF:16114.1/40

Out: -26.464+/-0.131 χ^2/NDF:23745.5/45

All: -26.526+/-0.094 χ^2/NDF: 39860.1/86

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.714+/-0.387 χ^2/NDF: 356.5/17

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.420+/-0.399 χ^2/NDF: 417.7/20

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

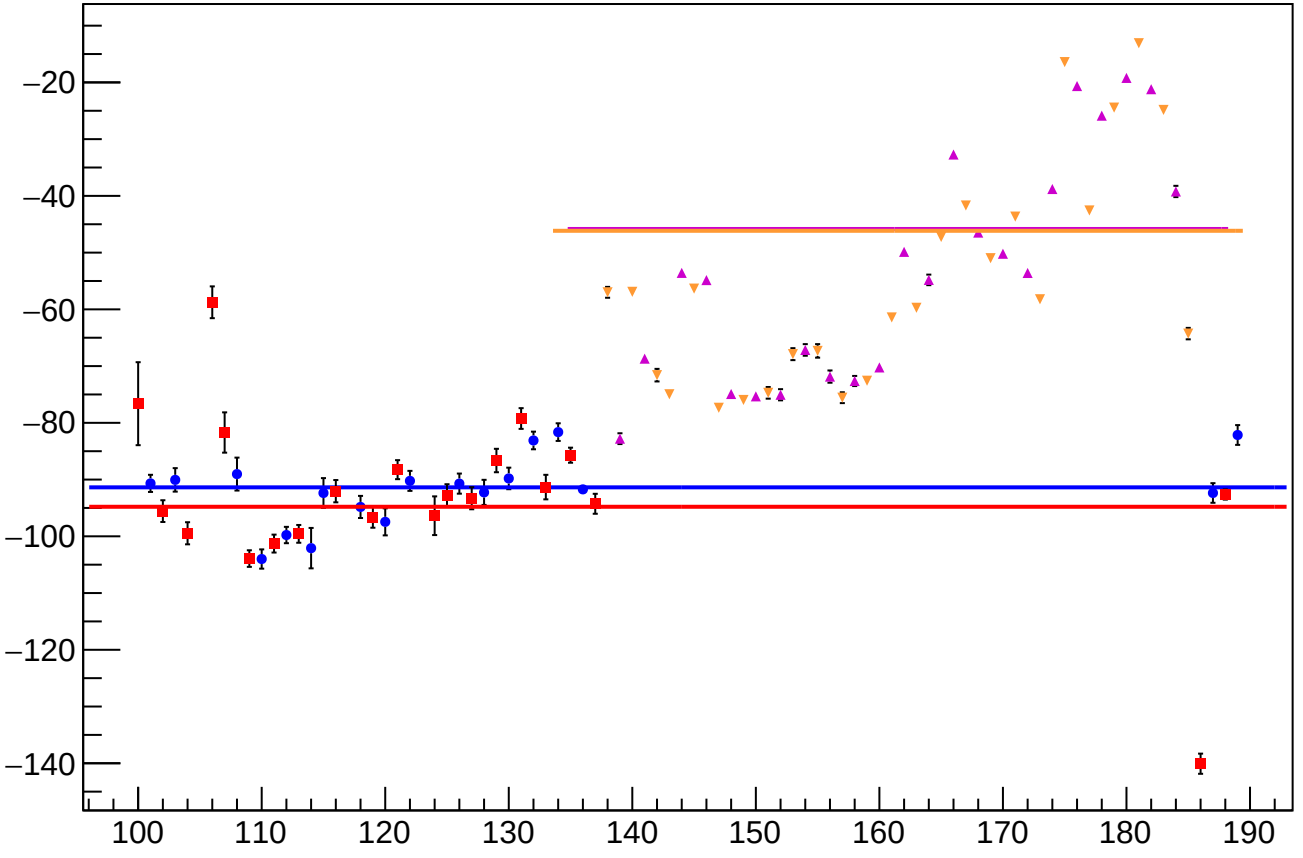
Right: -5.542+/-0.278 χ^2/NDF: 783.6/38

In: 2.804+/-0.109 χ^2/NDF:5460.6/40

Out: 3.130+/-0.107 χ^2/NDF:7578.4/45

All: 2.970+/-0.076 χ^2/NDF: 13043.5/86

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.370+/-0.401 χ^2/NDF: 206.9/17

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -94.793+/-0.385 χ^2/NDF: 1069.1/20

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

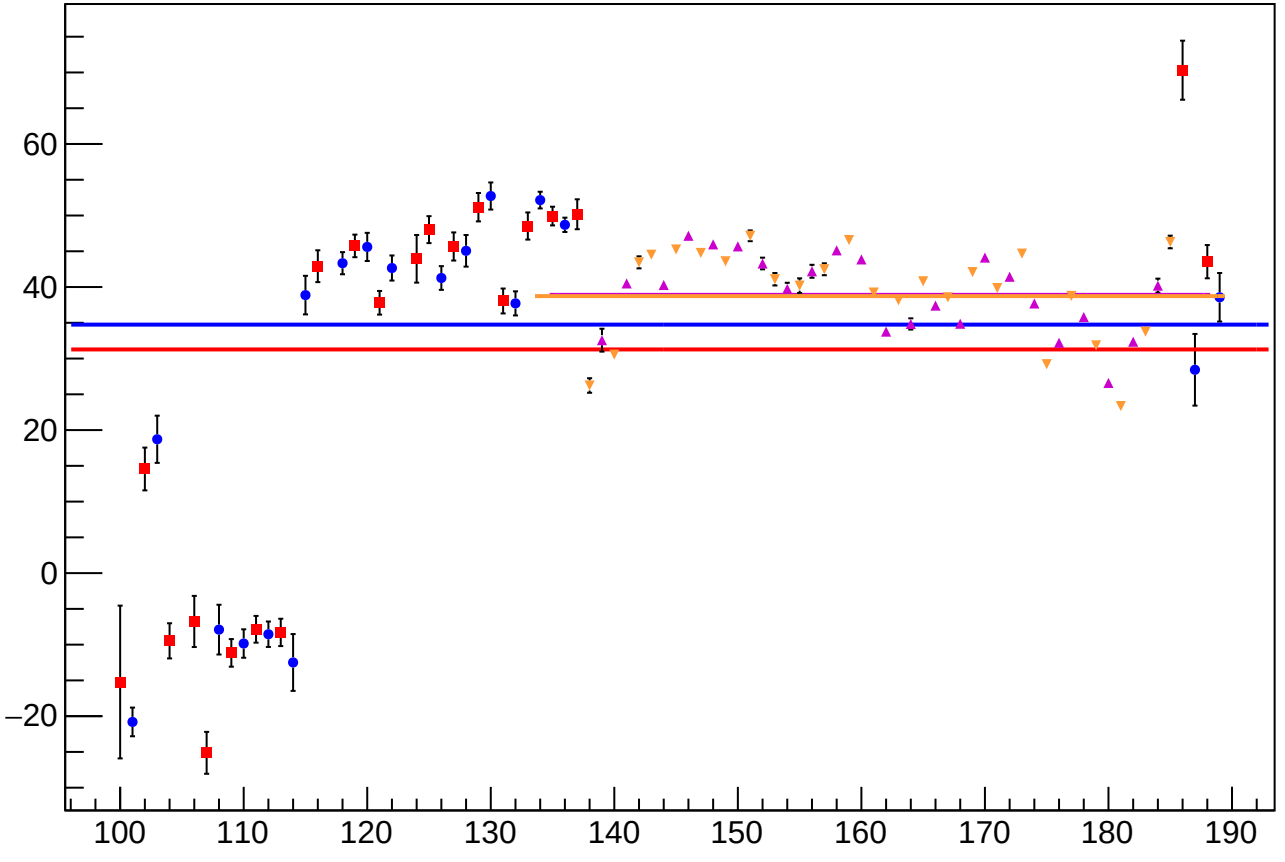
Right: -93.149+/-0.278 χ^2/NDF: 1313.9/38

In: -51.169+/-0.137 χ^2/NDF:29527.1/40

Out: -52.002+/-0.134 χ^2/NDF:36552.8/45

All: -51.596+/-0.096 χ^2/NDF: 66098.8/86

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.745+/-0.437 χ^2/NDF: 2812.0/17

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 31.274+/-0.455 χ^2/NDF: 3033.0/20

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

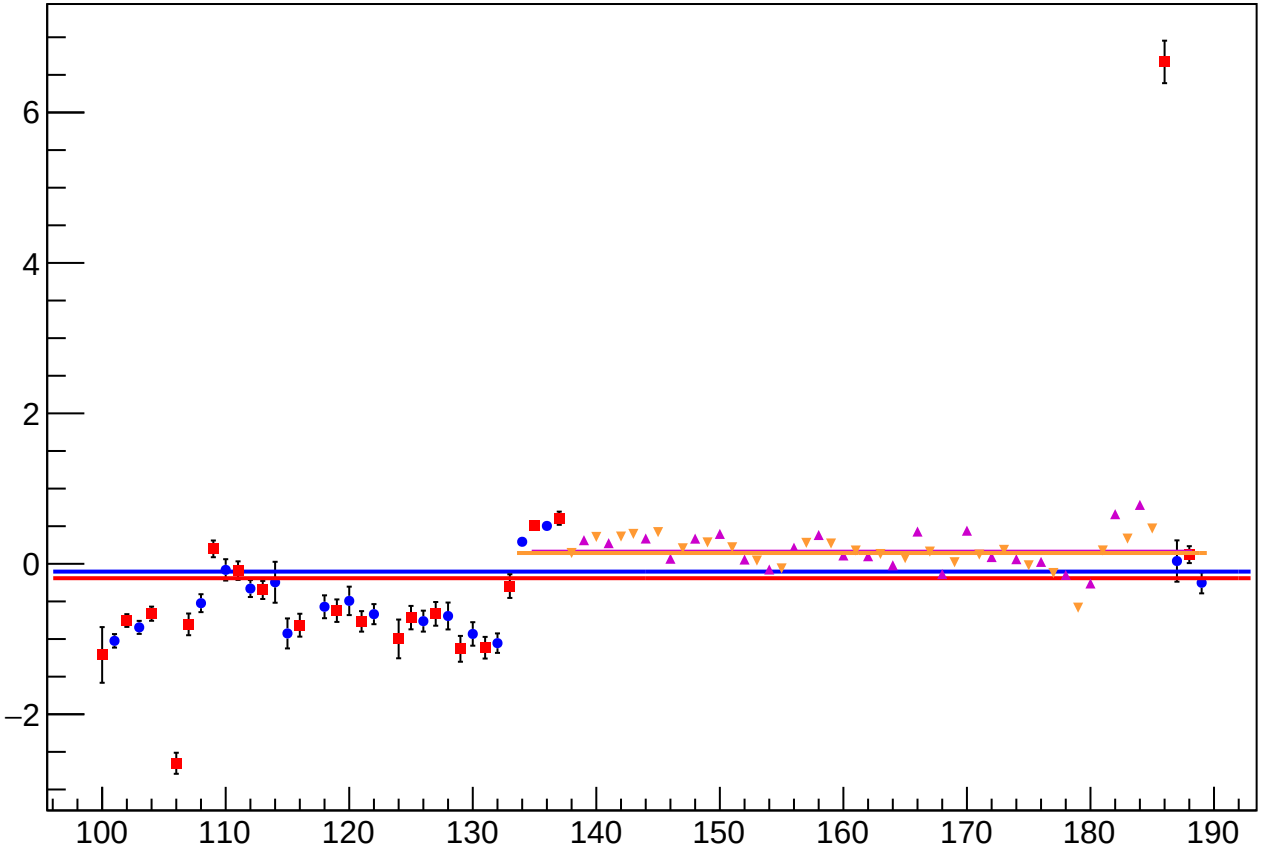
Right: 33.082+/-0.315 χ^2/NDF: 5875.3/38

In: 38.578+/-0.122 χ^2/NDF:4867.3/40

Out: 38.211+/-0.120 χ^2/NDF:6064.4/45

All: 38.391+/-0.086 χ^2/NDF: 10936.3/86

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.103+/-0.024 χ^2/NDF: 632.8/17

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.191+/-0.026 χ^2/NDF: 1429.0/20

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

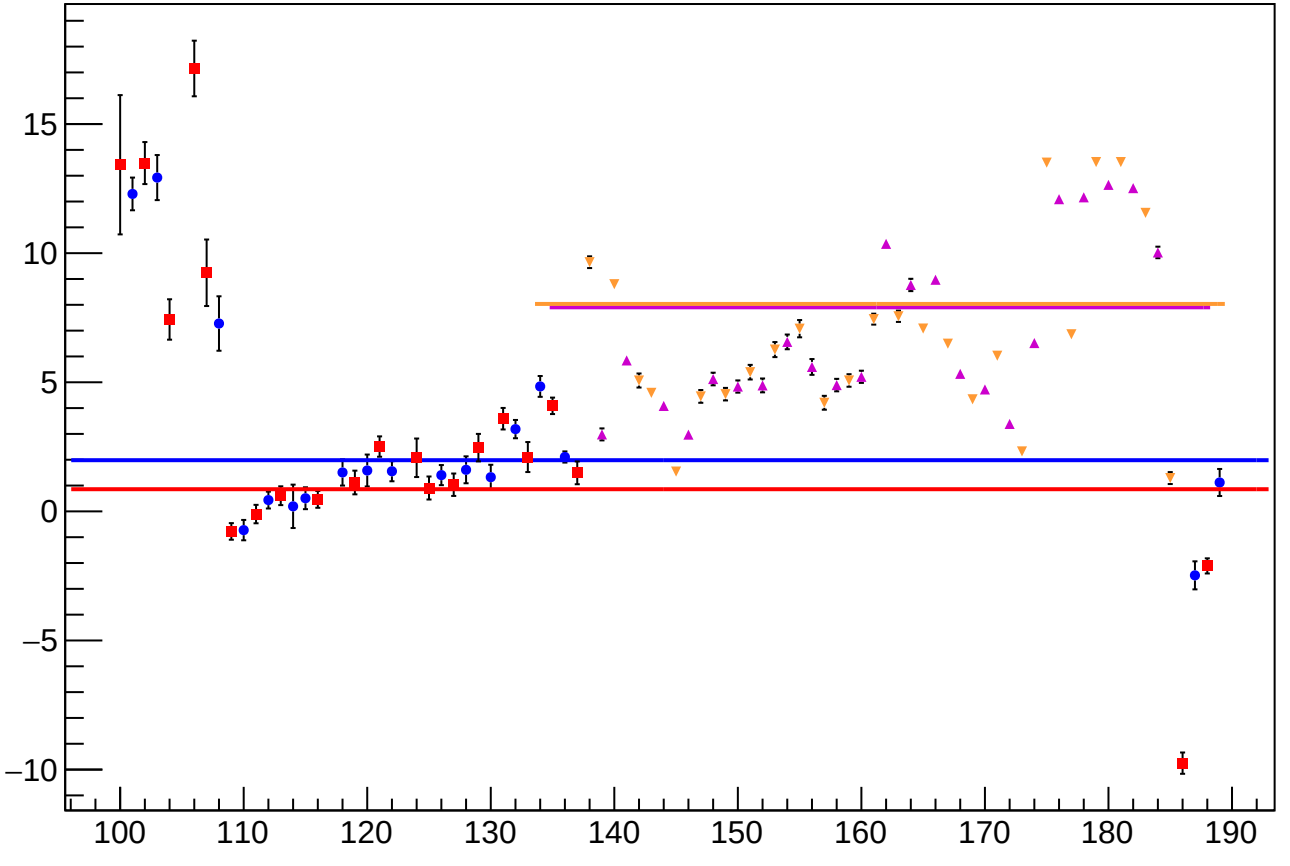
Right: -0.144+/-0.017 χ^2/NDF: 2068.3/38

In: 0.147+/-0.006 χ^2/NDF:2670.7/40

Out: 0.128+/-0.005 χ^2/NDF:3036.1/45

All: 0.137+/-0.004 χ^2/NDF: 5712.3/86

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.982+/-0.101 χ^2/NDF: 673.1/17

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 0.858+/-0.096 χ^2/NDF: 1585.5/20

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

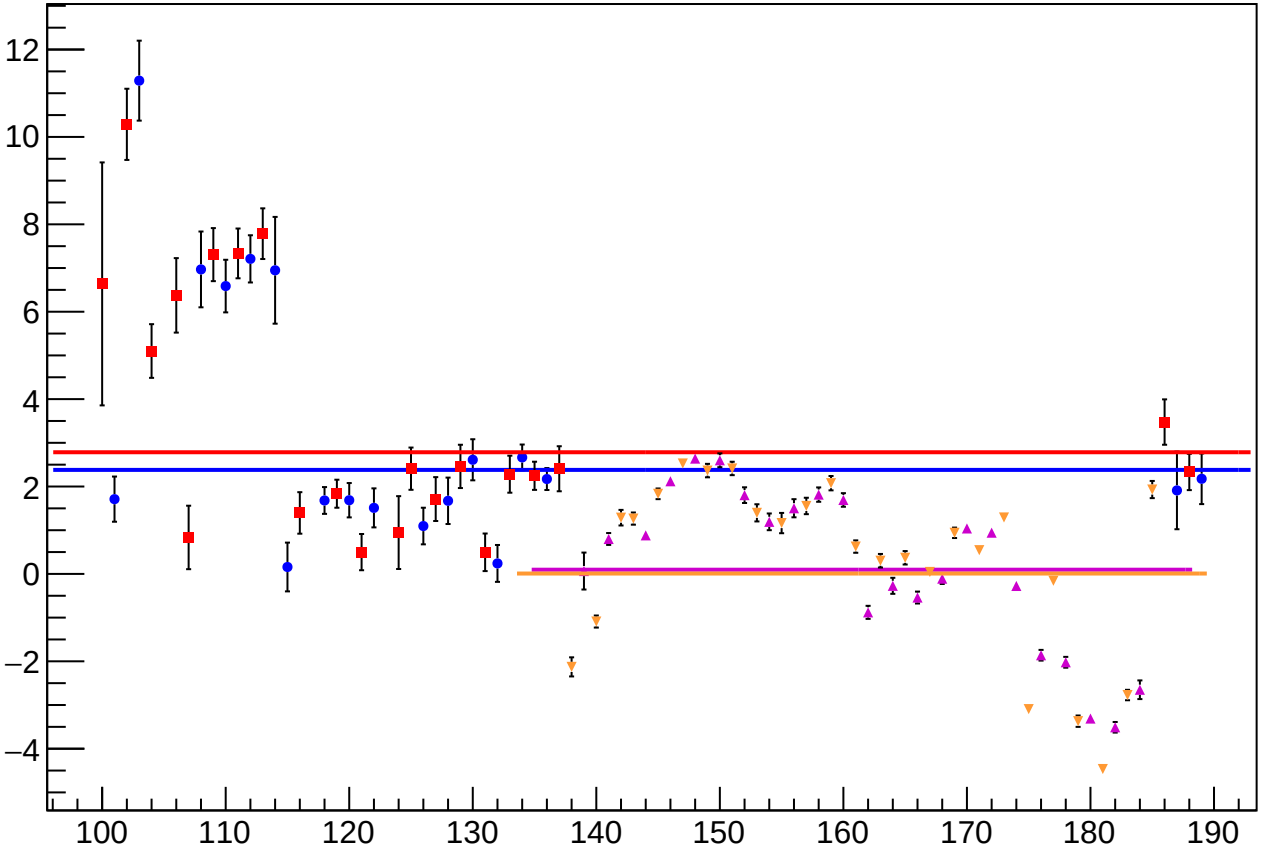
Right: 1.394+/-0.070 χ^2/NDF: 2323.2/38

In: 7.244+/-0.034 χ^2/NDF:13736.6/40

Out: 7.211+/-0.033 χ^2/NDF:20404.9/45

All: 7.227+/-0.023 χ^2/NDF: 34142.0/86

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.380+/-0.106 χ^2/NDF: 334.3/17

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.784+/-0.109 χ^2/NDF: 413.9/20

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

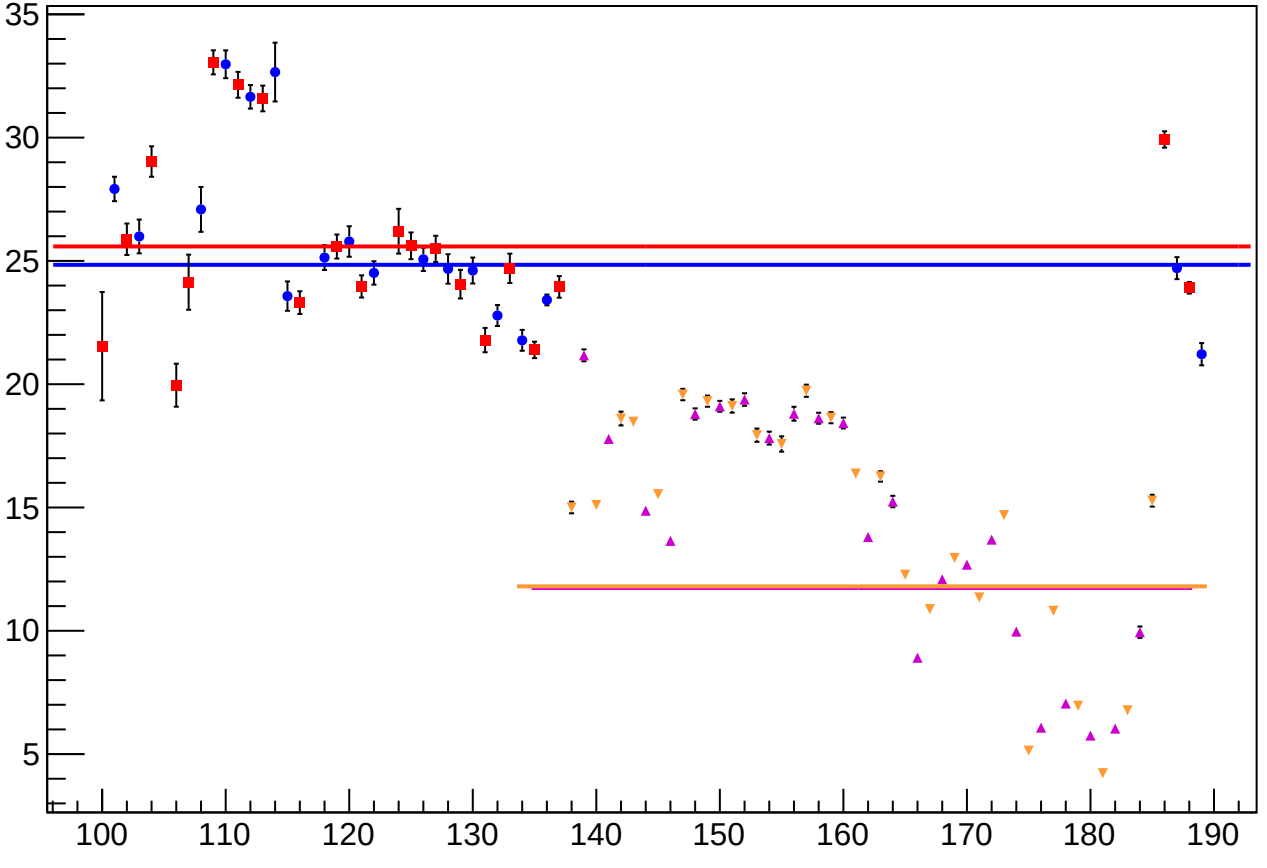
Right: 2.576+/-0.076 χ^2/NDF: 755.3/38

In: 0.247+/-0.027 χ^2/NDF:5203.4/40

Out: 0.174+/-0.027 χ^2/NDF:6783.3/45

All: 0.210+/-0.019 χ^2/NDF: 11990.4/86

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.841+/-0.110 χ^2/NDF: 692.2/17

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 25.586+/-0.104 χ^2/NDF: 1100.9/20

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

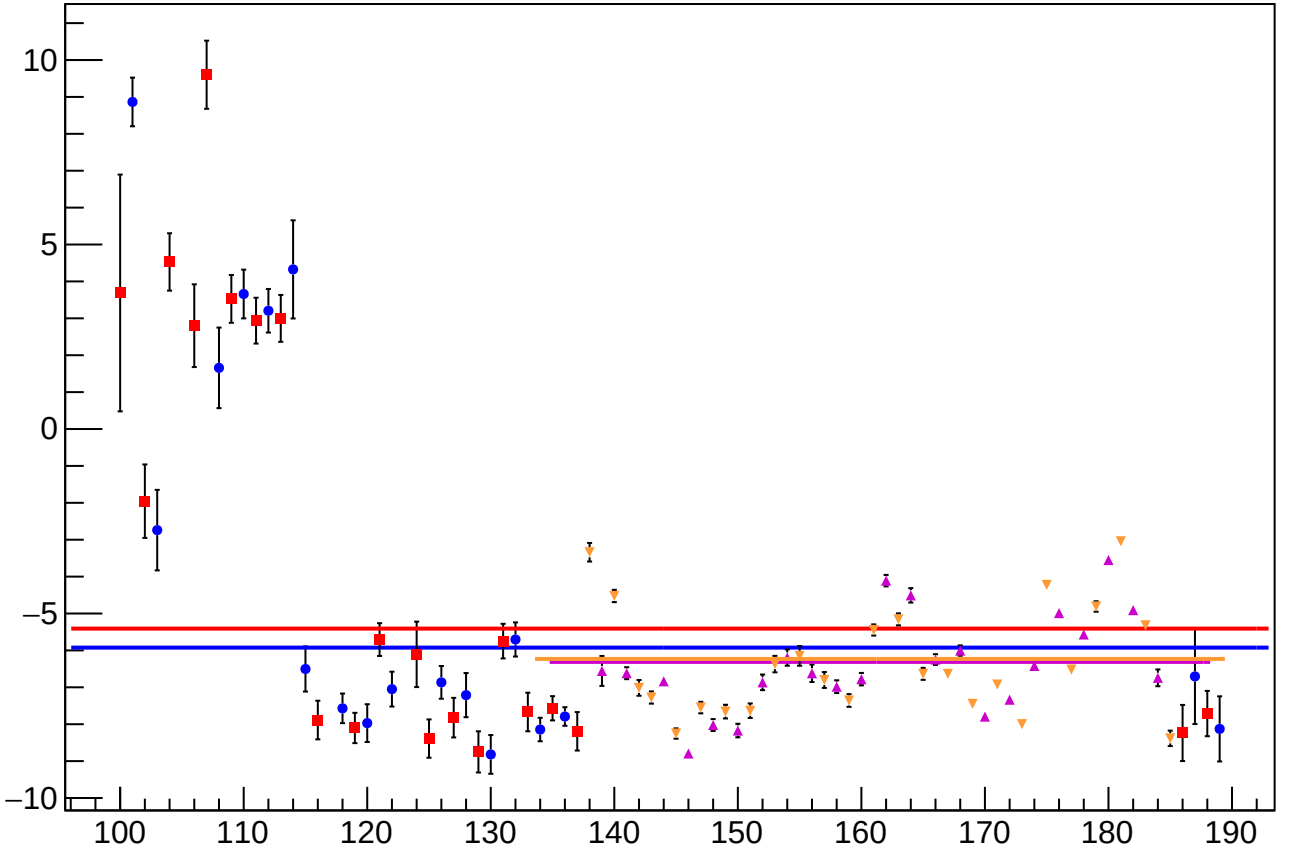
Right: 25.234+/-0.076 χ^2/NDF: 1817.2/38

In: 12.986+/-0.034 χ^2/NDF:31481.1/40

Out: 13.187+/-0.033 χ^2/NDF:38303.7/45

All: 13.090+/-0.024 χ^2/NDF: 69802.7/86

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.924+/-0.119 χ^2/NDF: 1258.2/17

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.409+/-0.125 χ^2/NDF: 1321.9/20

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

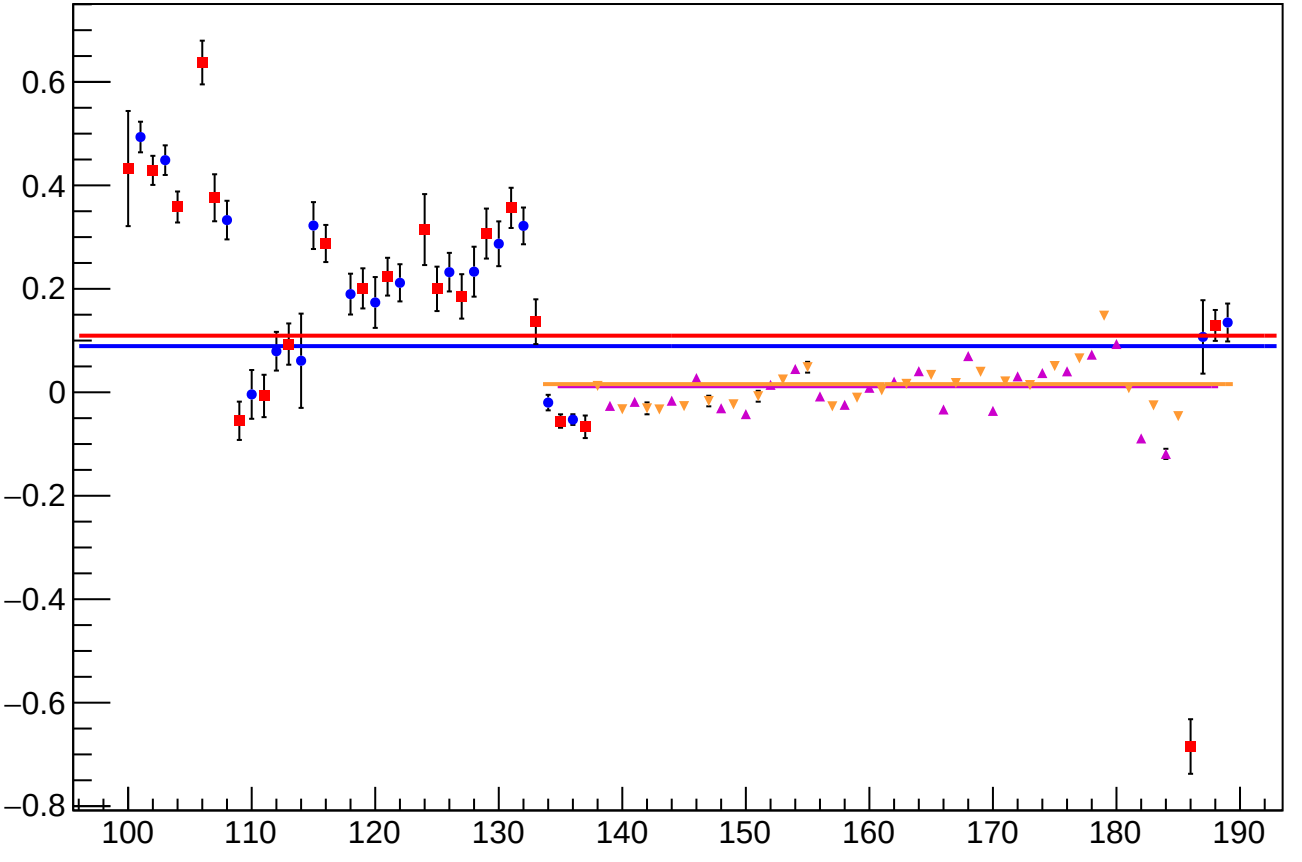
Right: -5.679+/-0.086 χ^2/NDF: 2589.0/38

In: -6.286+/-0.030 χ^2/NDF:3298.2/40

Out: -6.184+/-0.030 χ^2/NDF:3812.7/45

All: -6.234+/-0.021 χ^2/NDF: 7116.7/86

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.006 χ^2/NDF: 769.7/17

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.109+/-0.007 χ^2/NDF: 993.0/20

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

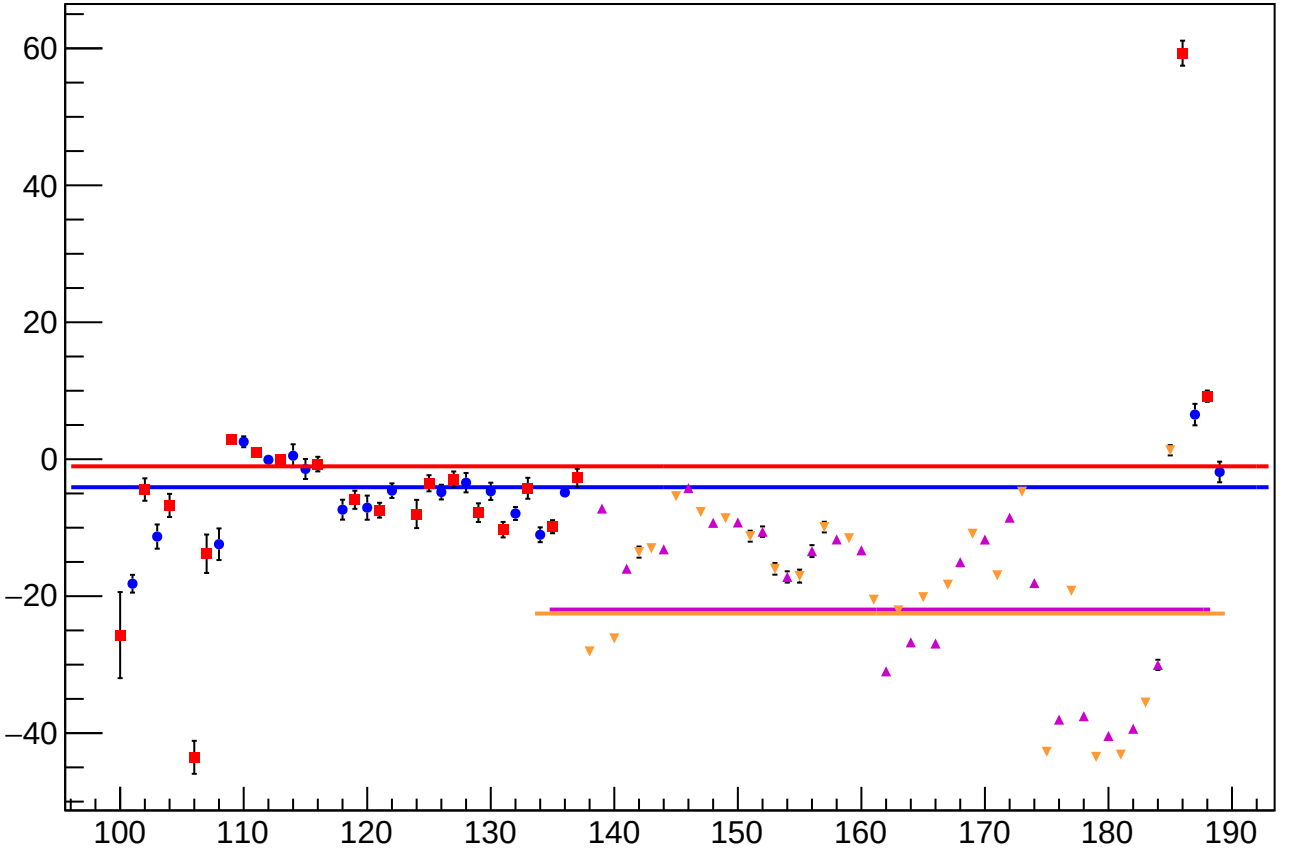
Right: 0.098+/-0.005 χ^2/NDF: 1767.2/38

In: 0.015+/-0.001 χ^2/NDF:2204.8/40

Out: 0.019+/-0.001 χ^2/NDF:2096.2/45

All: 0.017+/-0.001 χ^2/NDF: 4305.4/86

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.089+/-0.261 χ^2/NDF: 381.7/17

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -1.037+/-0.246 χ^2/NDF: 1906.4/20

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

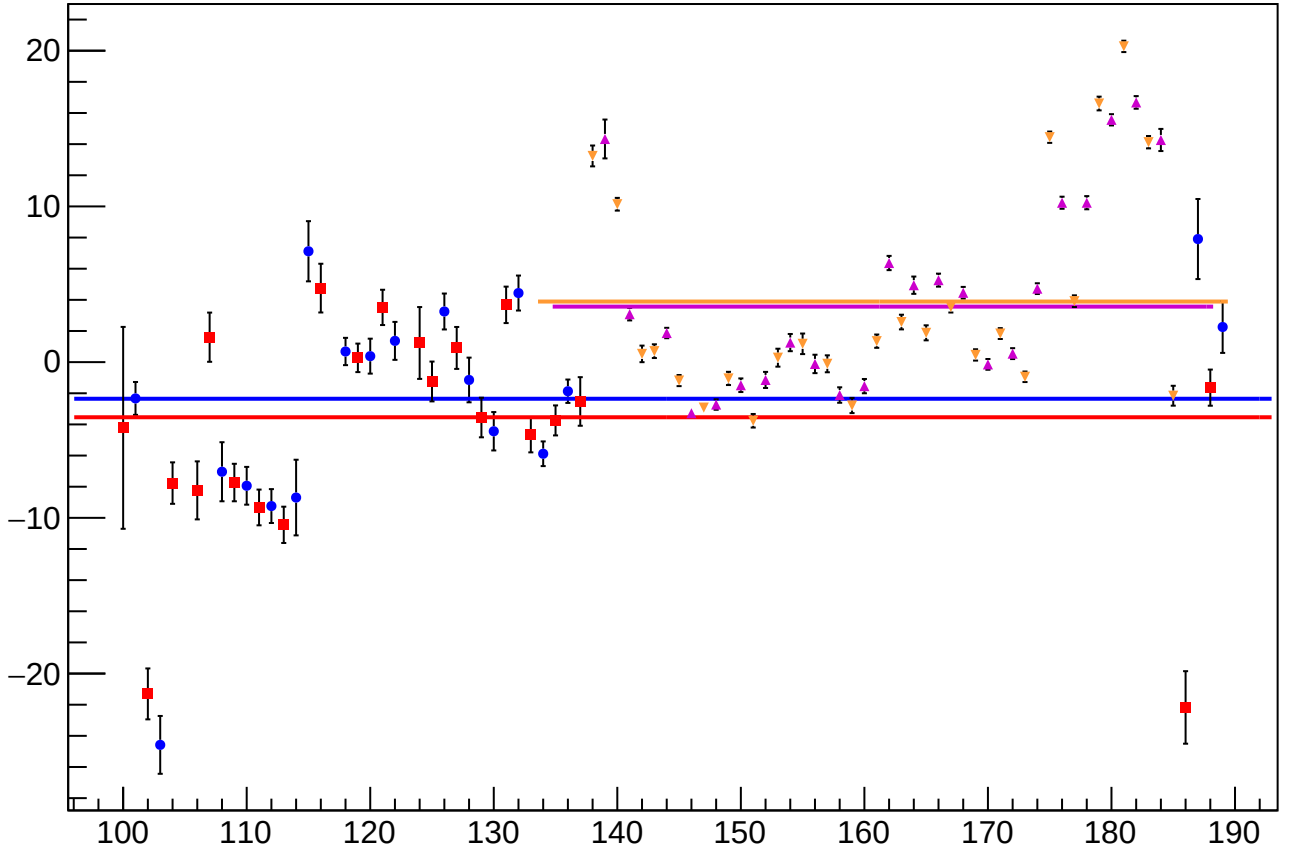
Right: -2.477+/-0.179 χ^2/NDF: 2360.5/38

In: -19.206+/-0.102 χ^2/NDF:16944.5/40

Out: -19.065+/-0.099 χ^2/NDF:24835.5/45

All: -19.133+/-0.071 χ^2/NDF: 41780.9/86

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.352+/-0.280 χ^2/NDF: 376.4/17

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -3.540+/-0.287 χ^2/NDF: 426.7/20

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

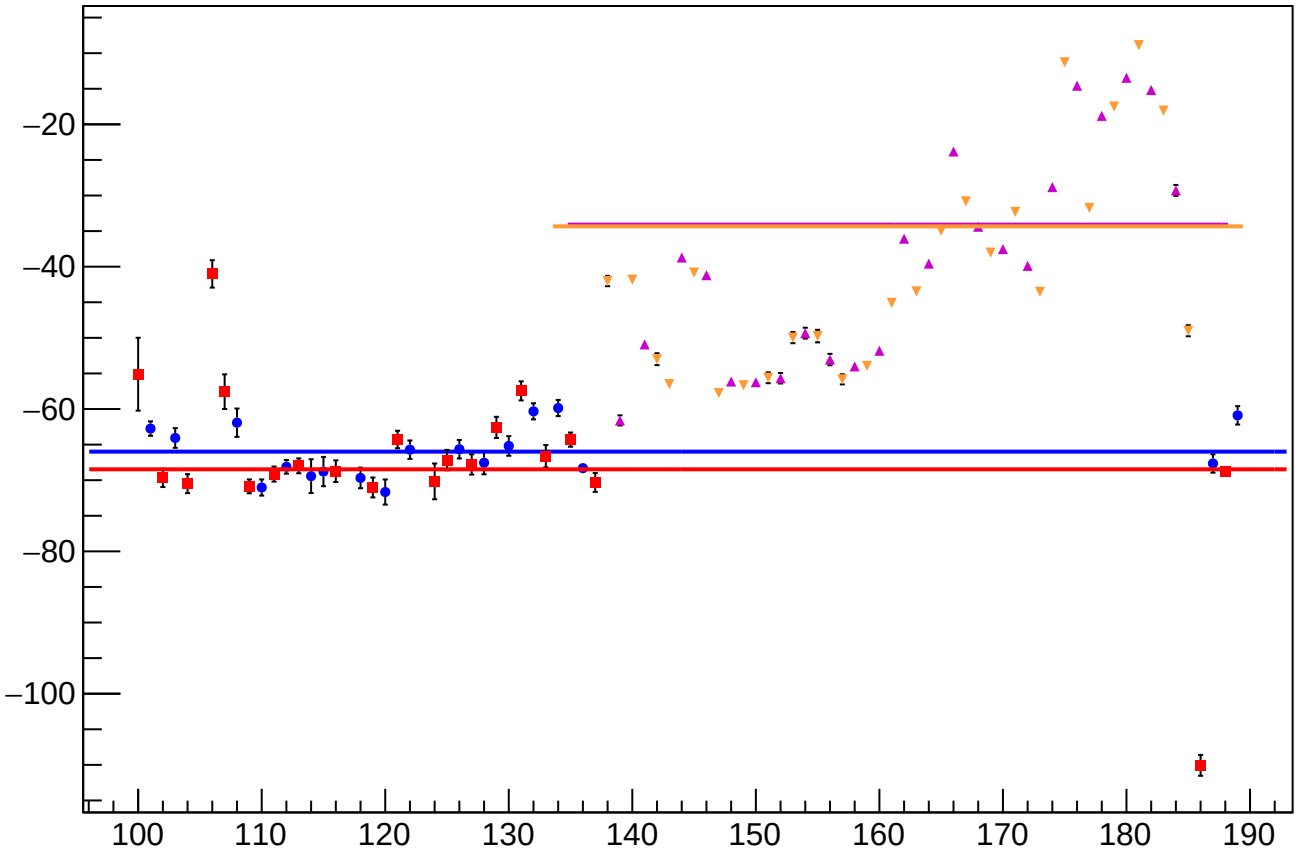
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

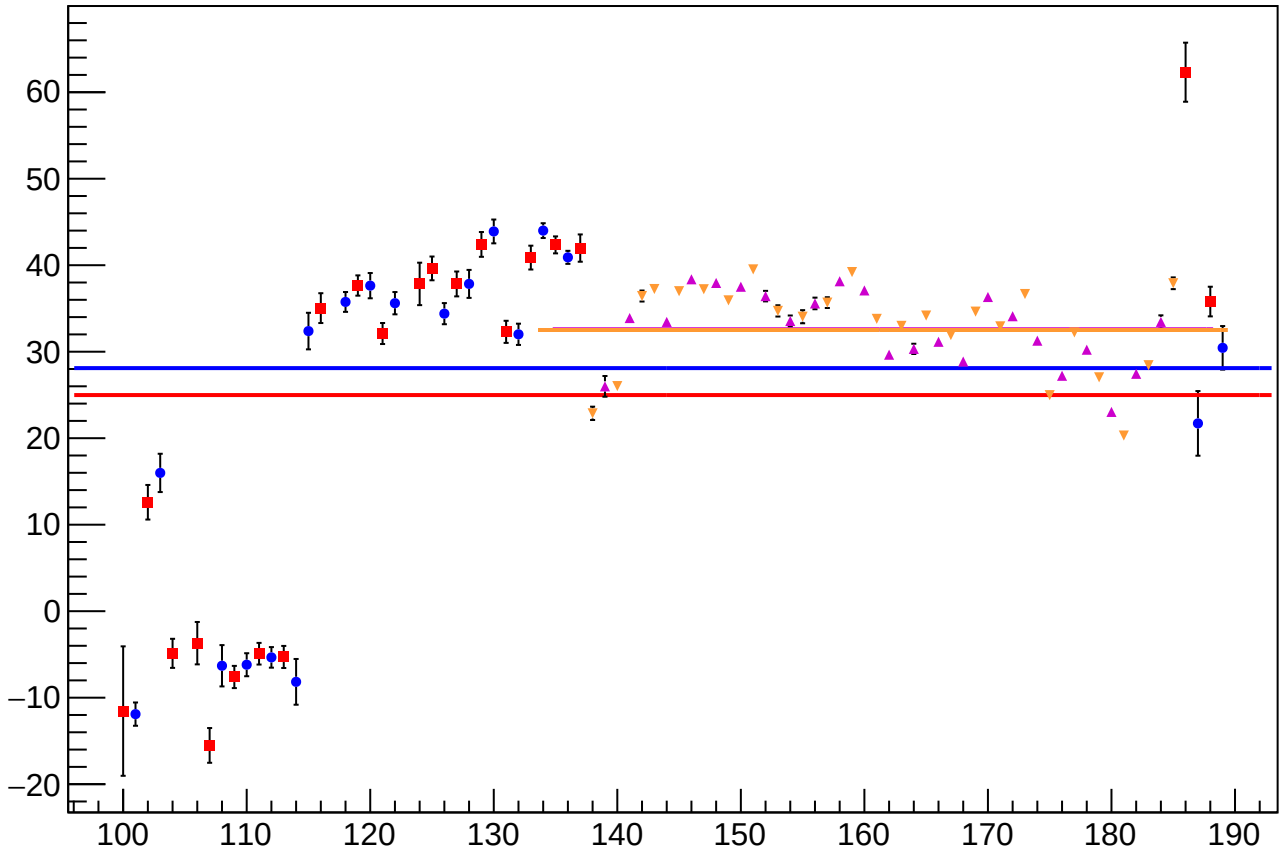
Right: -2.931+/-0.200 χ^2/NDF: 811.8/38

In: 3.053+/-0.082 χ^2/NDF:5523.9/40

Out: 3.302+/-0.081 χ^2/NDF:7767.5/45

All: 3.180+/-0.058 χ^2/NDF: 13296.1/86


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: -65.987+/-0.289 χ²/NDF: 146.7/17
Left Out: -34.334+/-0.108 χ²/NDF:21200.8/24
Right Out: -68.470+/-0.278 χ²/NDF: 1165.5/20
Left In: -34.091+/-0.111 χ²/NDF:17726.5/22
Left: -34.216+/-0.077 χ²/NDF: 38929.7/47
Right: -67.277+/-0.200 χ²/NDF: 1350.7/38
In: -38.195+/-0.104 χ²/NDF:28507.0/40
Out: -38.843+/-0.101 χ²/NDF:35497.1/45
All: -38.528+/-0.072 χ²/NDF: 64024.2/86



Right In: 28.103+/-0.316 χ^2/NDF: 3731.5/17

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.987+/-0.328 χ^2/NDF: 4006.3/20

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

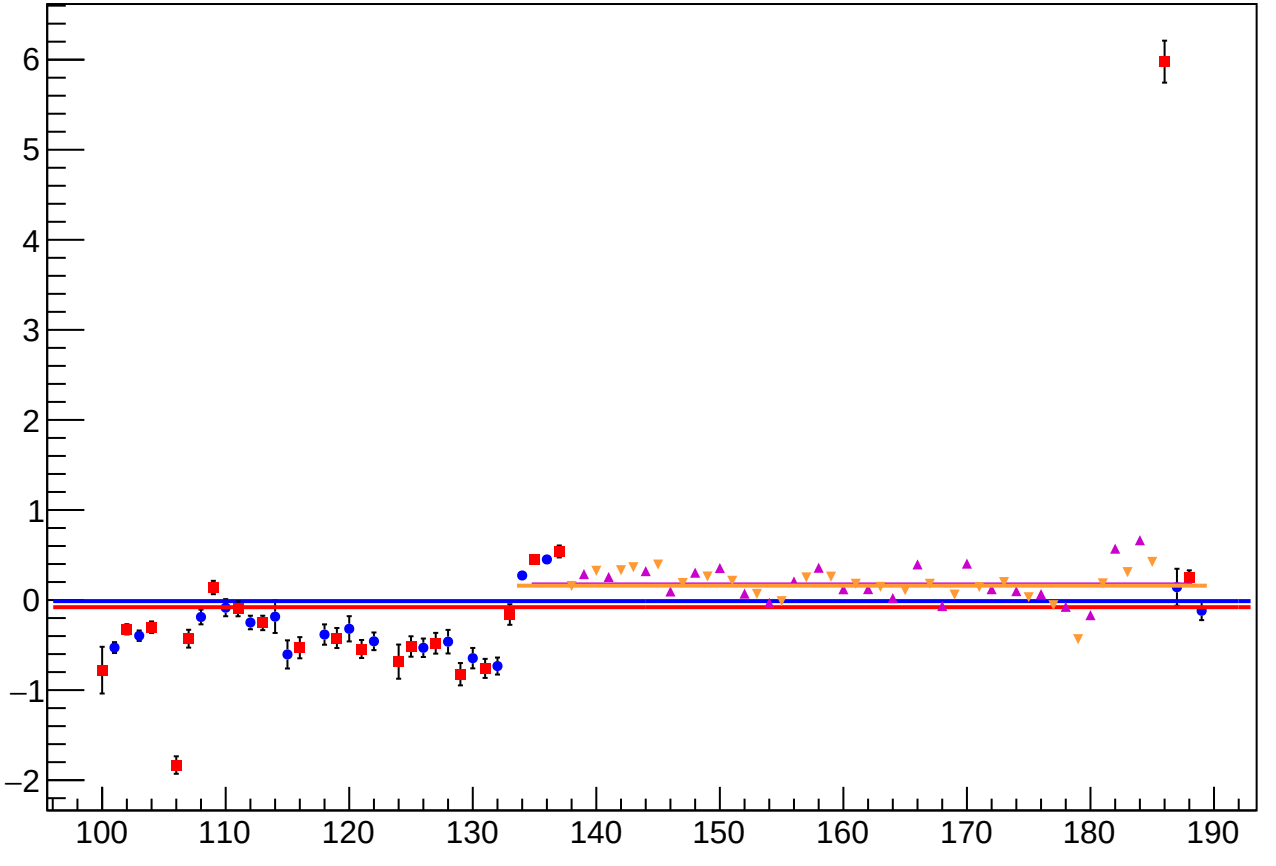
Right: 26.601+/-0.228 χ^2/NDF: 7784.6/38

In: 32.213+/-0.093 χ^2/NDF:5929.1/40

Out: 31.933+/-0.091 χ^2/NDF:7430.6/45

All: 32.071+/-0.065 χ^2/NDF: 13364.4/86

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 589.0/17

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.079+/-0.018 χ^2/NDF: 1519.0/20

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

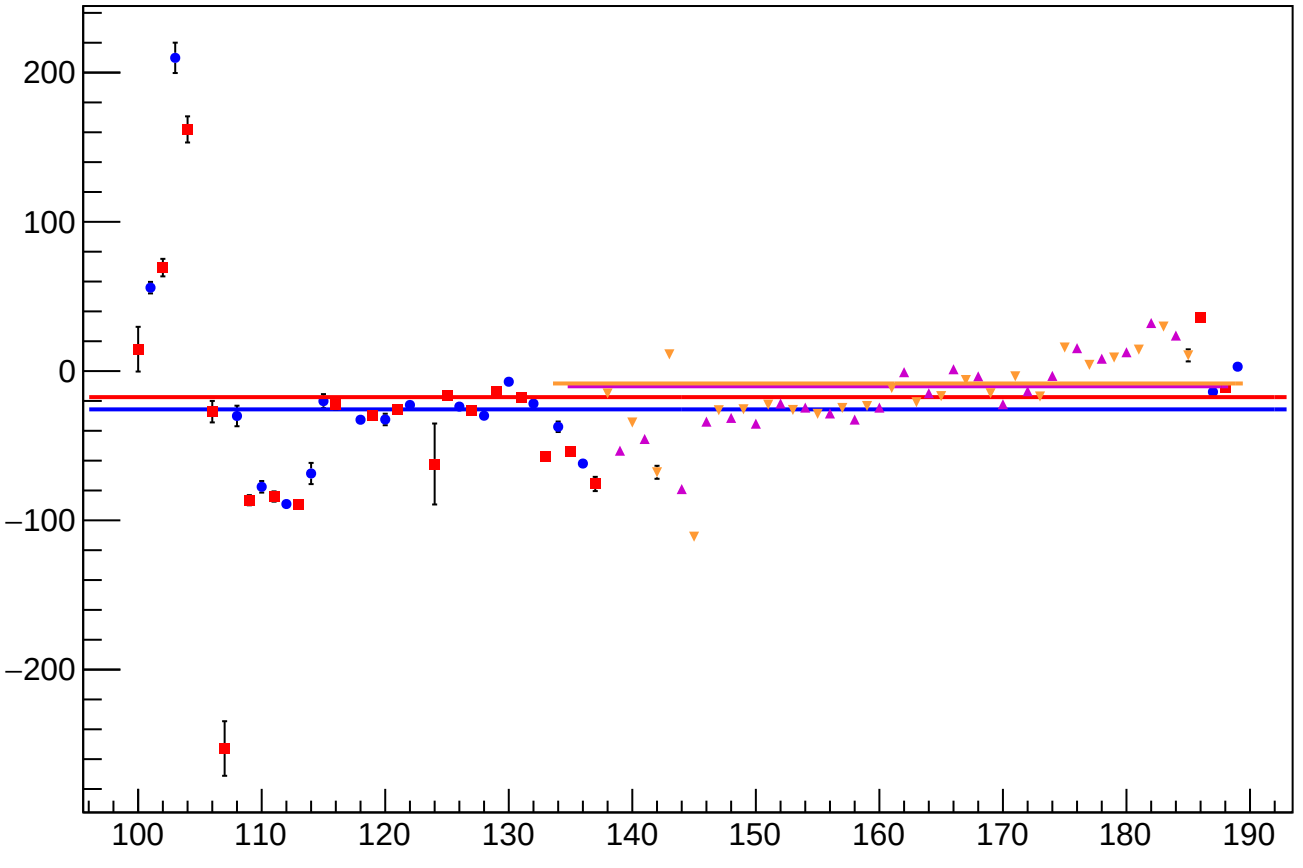
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.043+/-0.012 χ^2/NDF: 2115.3/38

In: 0.162+/-0.004 χ^2/NDF:2829.6/40

Out: 0.148+/-0.004 χ^2/NDF:3293.7/45

All: 0.155+/-0.003 χ^2/NDF: 6129.4/86



Right In: -25.651+/-0.731 χ^2/NDF: 2147.7/17

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -17.444+/-0.634 χ^2/NDF: 3863.7/20

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

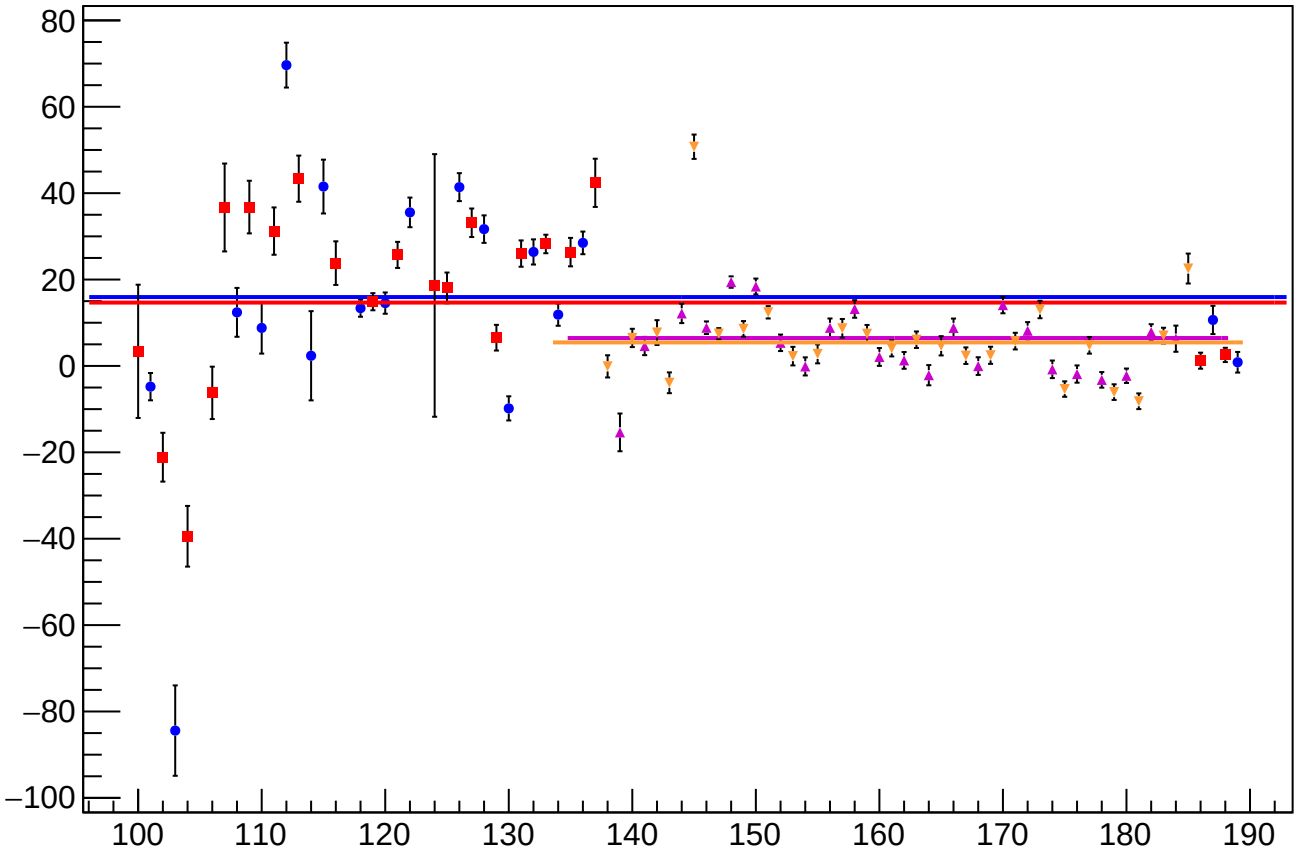
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -20.967+/-0.479 χ^2/NDF: 6083.4/38

In: -15.466+/-0.427 χ^2/NDF:4961.2/40

Out: -11.924+/-0.399 χ^2/NDF:6549.0/45

All: -13.575+/-0.292 χ^2/NDF: 11546.9/86



Right In: 15.945+/-0.757 χ^2/NDF: 548.7/17

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 14.672+/-0.710 χ^2/NDF: 421.3/20

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

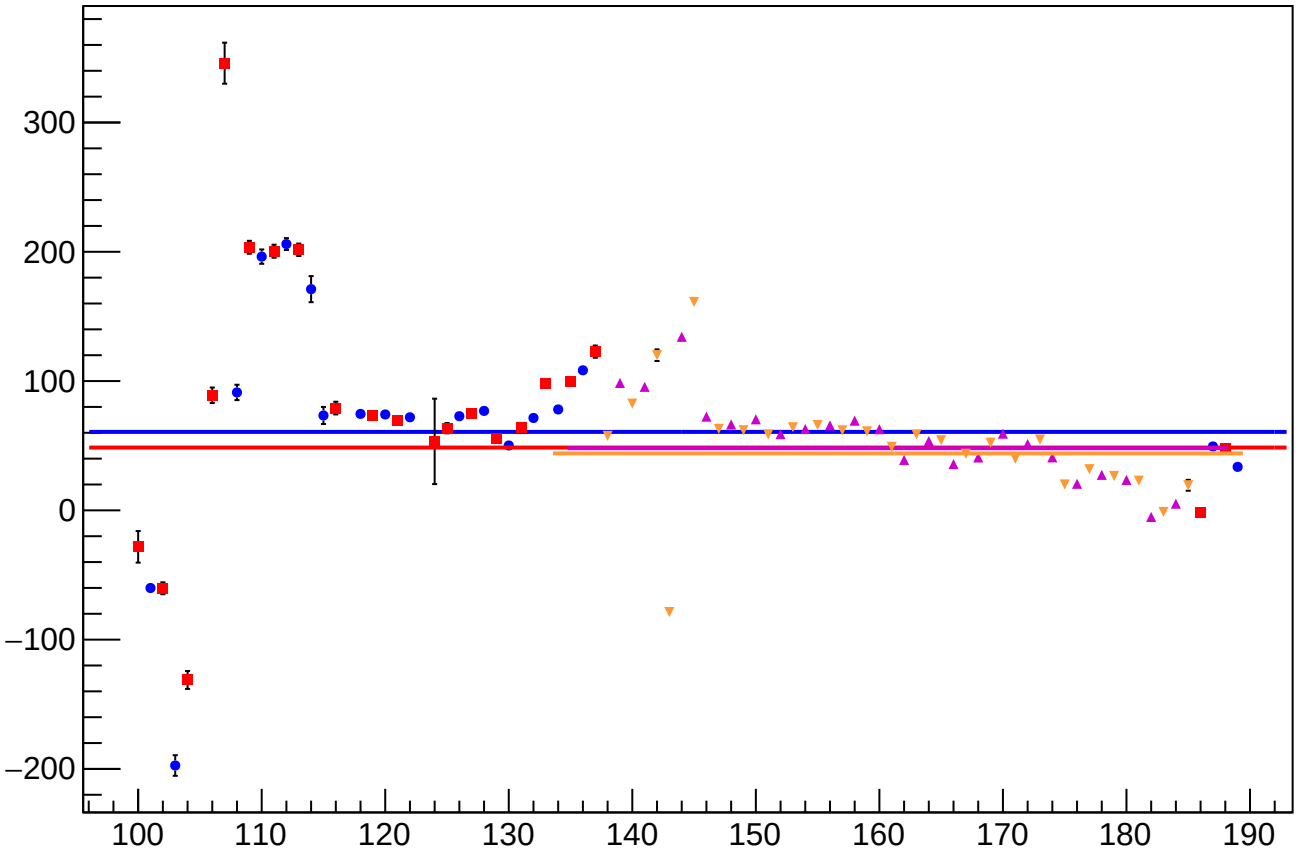
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 15.268+/-0.518 χ^2/NDF: 971.5/38

In: 8.597+/-0.359 χ^2/NDF:1006.4/40

Out: 7.615+/-0.345 χ^2/NDF:1044.0/45

All: 8.086+/-0.249 χ^2/NDF: 2054.3/86



Right In: 60.686+/-0.740 χ^2/NDF: 5222.0/17

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 48.575+/-0.596 χ^2/NDF: 7318.4/20

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

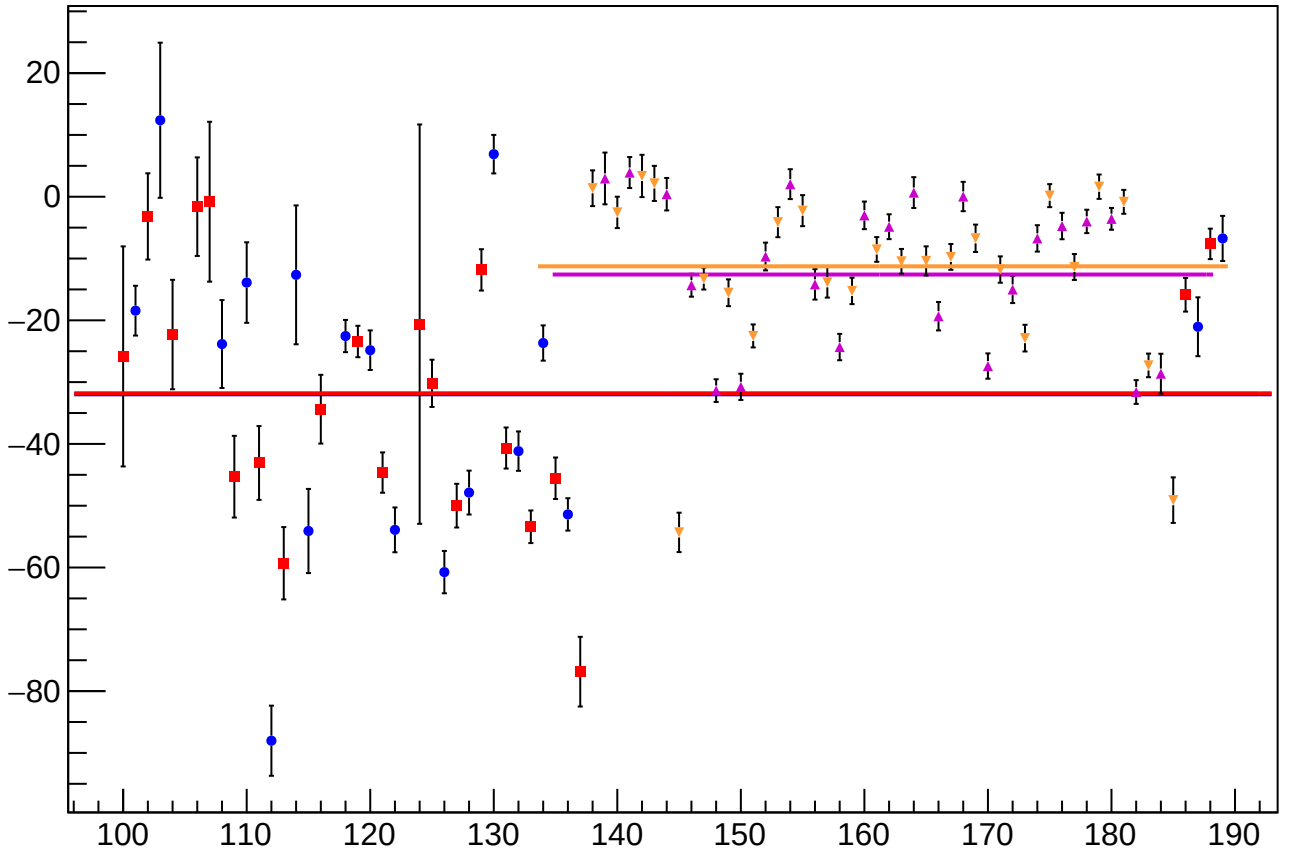
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 53.335+/-0.464 χ^2/NDF: 12702.9/38

In: 52.256+/-0.426 χ^2/NDF:8792.5/40

Out: 45.958+/-0.387 χ^2/NDF:11915.7/45

All: 48.808+/-0.287 χ^2/NDF: 20827.8/86



Right In: -31.969+/-0.896 χ^2/NDF: 569.2/17

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -31.809+/-0.873 χ^2/NDF: 442.0/20

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

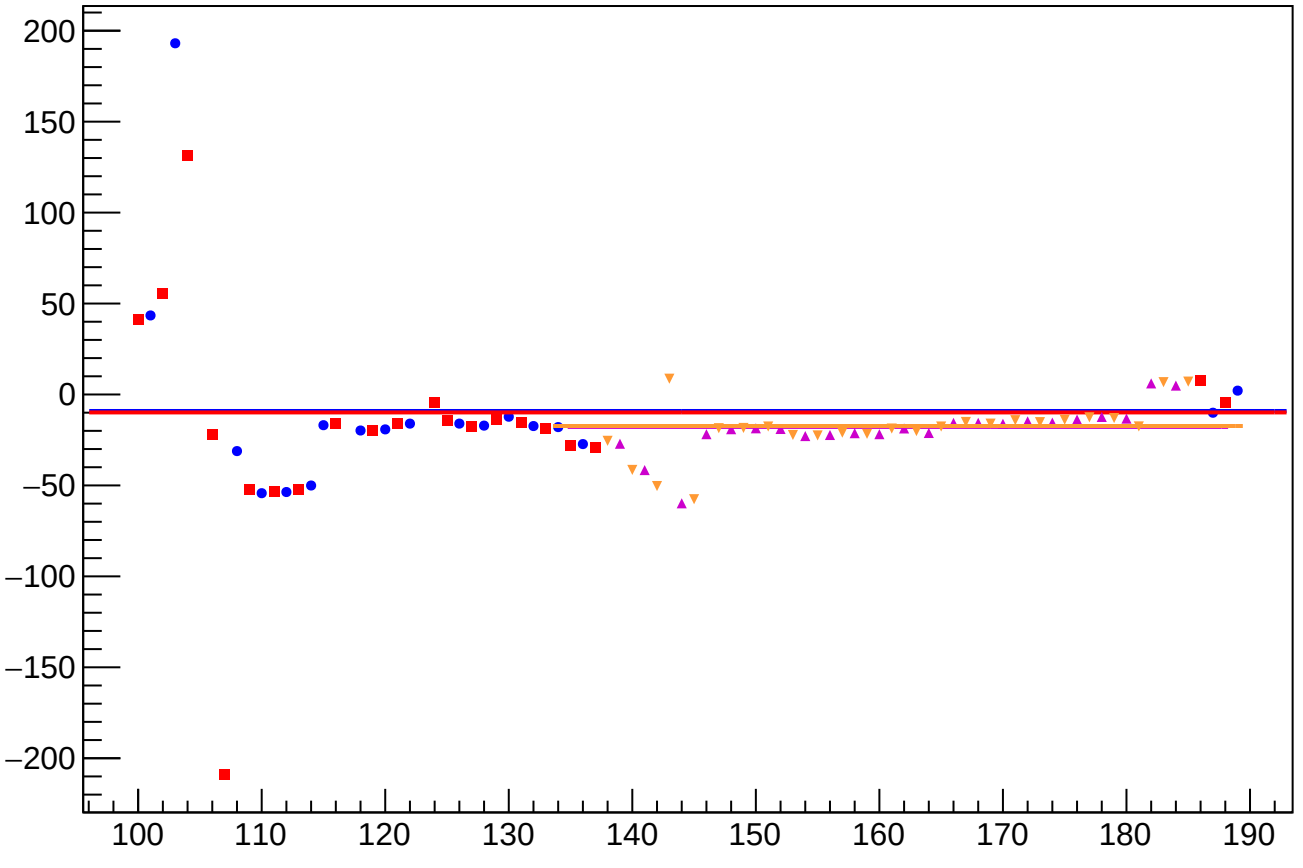
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -31.887+/-0.625 χ^2/NDF: 1011.2/38

In: -16.615+/-0.408 χ^2/NDF:1611.7/40

Out: -15.495+/-0.396 χ^2/NDF:1524.9/45

All: -16.038+/-0.284 χ^2/NDF: 3140.5/86



Right In: -9.079+/-0.053 χ^2/NDF: 527620.2/17

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -9.869+/-0.054 χ^2/NDF: 462506.5/20

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

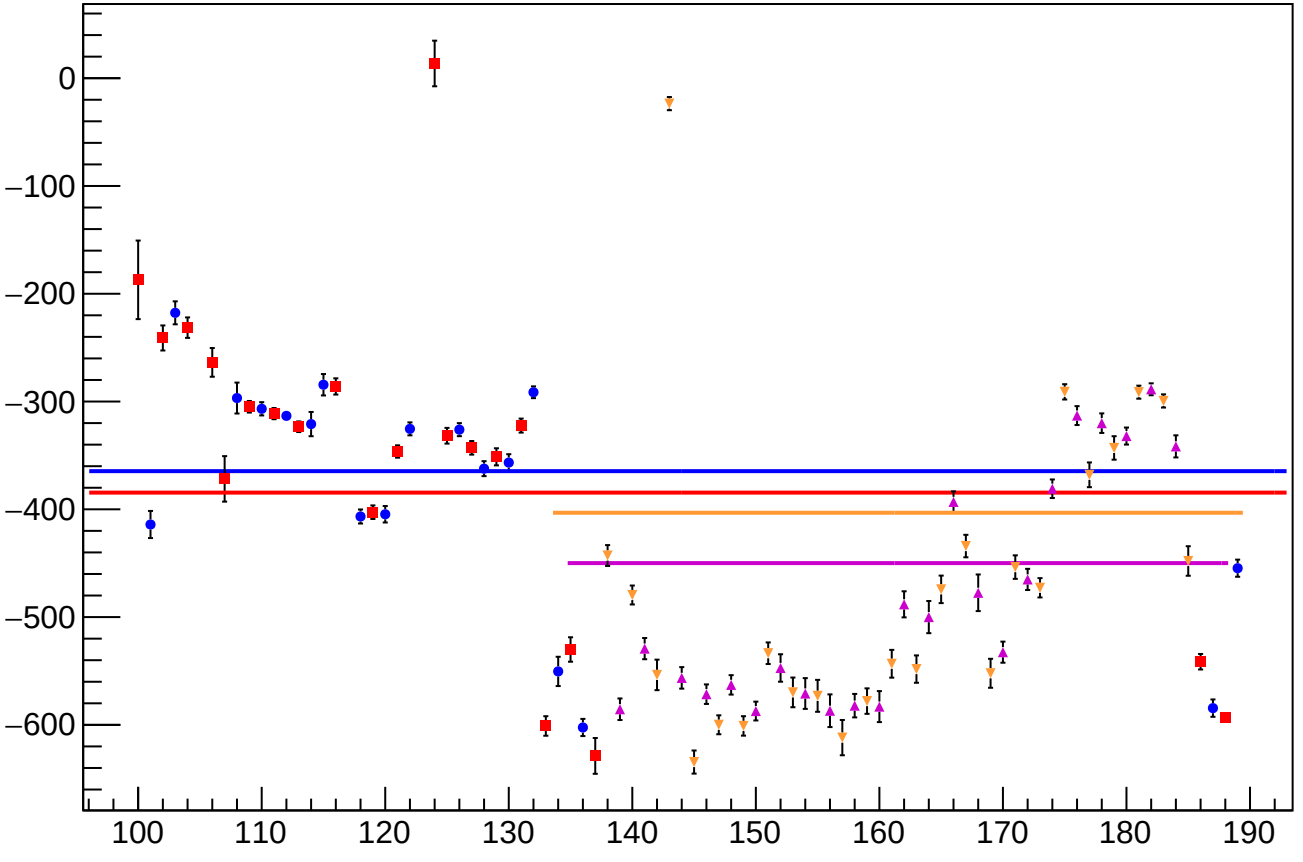
Right: -9.464+/-0.038 χ^2/NDF: 990237.1/38

In: -16.694+/-0.019 χ^2/NDF:819169.7/40

Out: -16.428+/-0.019 χ^2/NDF:827184.3/45

All: -16.559+/-0.013 χ^2/NDF: 1646454.4/86

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -364.591+/-1.737 χ^2/NDF: 2807.3/17

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -384.501+/-1.588 χ^2/NDF: 5663.9/20

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

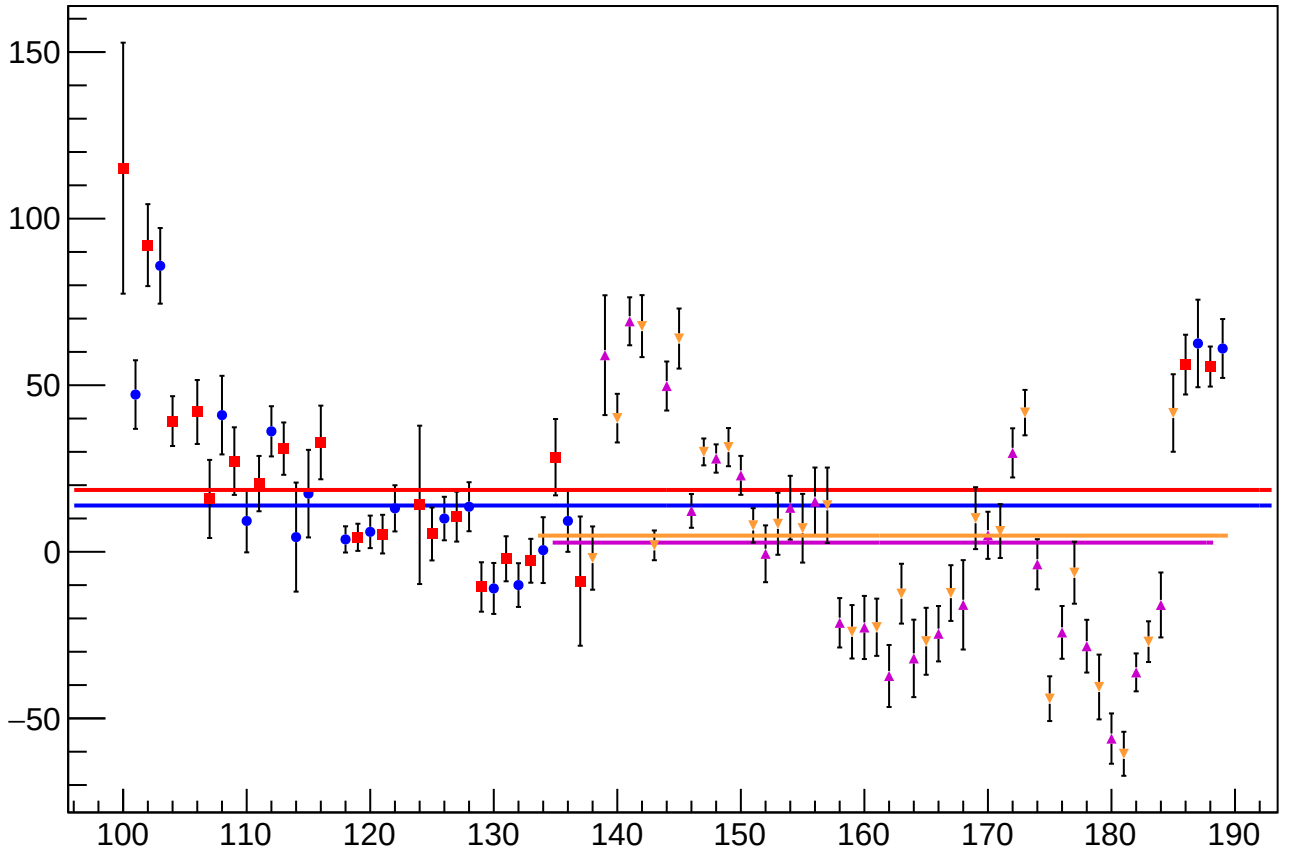
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -375.435+/-1.172 χ^2/NDF: 8542.8/38

In: -400.378+/-1.323 χ^2/NDF:7038.6/40

Out: -392.059+/-1.226 χ^2/NDF:13470.2/45

All: -395.900+/-0.899 χ^2/NDF: 20530.1/86



Right In: 13.894+/-1.787 χ^2/NDF: 143.0/17

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 18.563+/-1.738 χ^2/NDF: 175.7/20

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

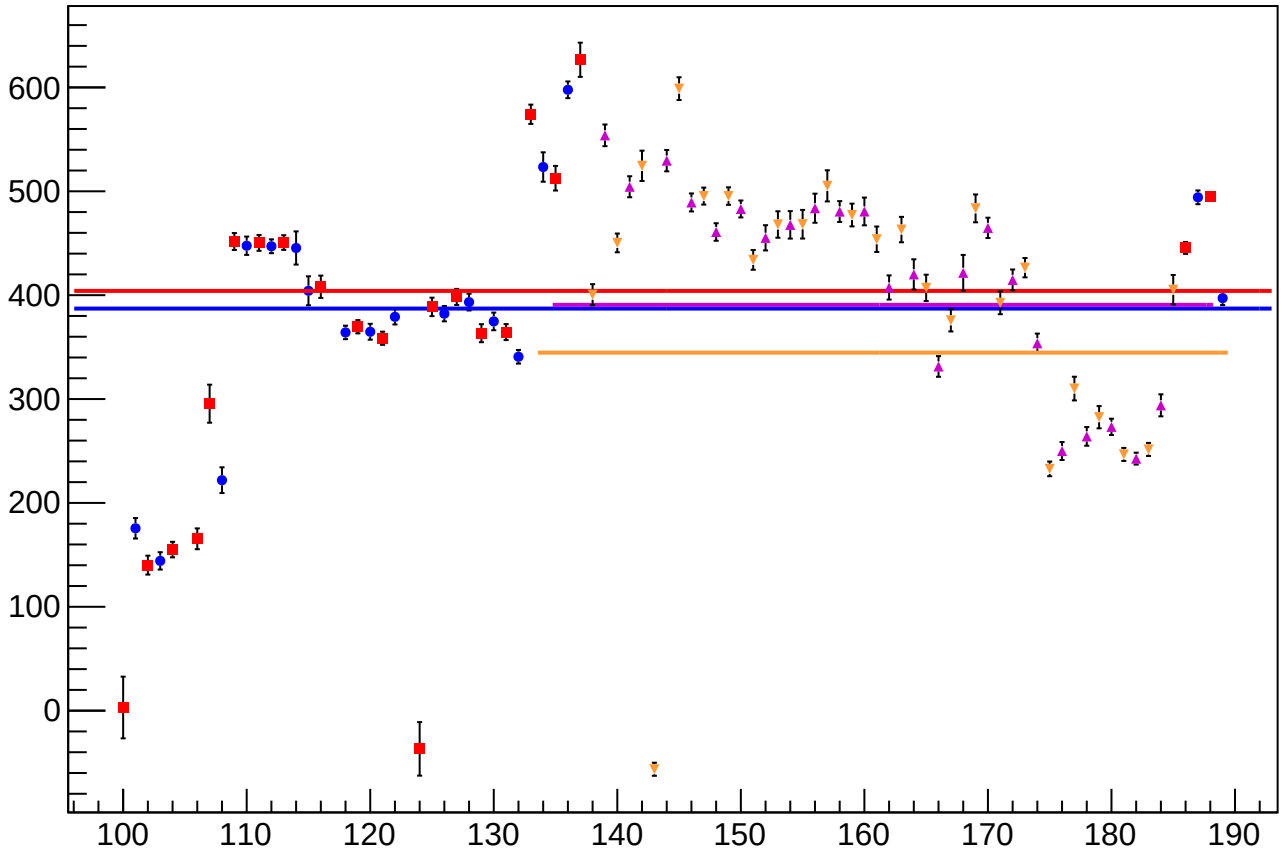
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 16.293+/-1.246 χ^2/NDF: 322.2/38

In: 7.552+/-1.173 χ^2/NDF:564.8/40

Out: 10.467+/-1.112 χ^2/NDF:669.6/45

All: 9.087+/-0.807 χ^2/NDF: 1237.6/86



Right In: 387.097+/-1.921 χ^2/NDF: 2744.5/17

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 404.115+/-1.686 χ^2/NDF: 4619.2/20

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

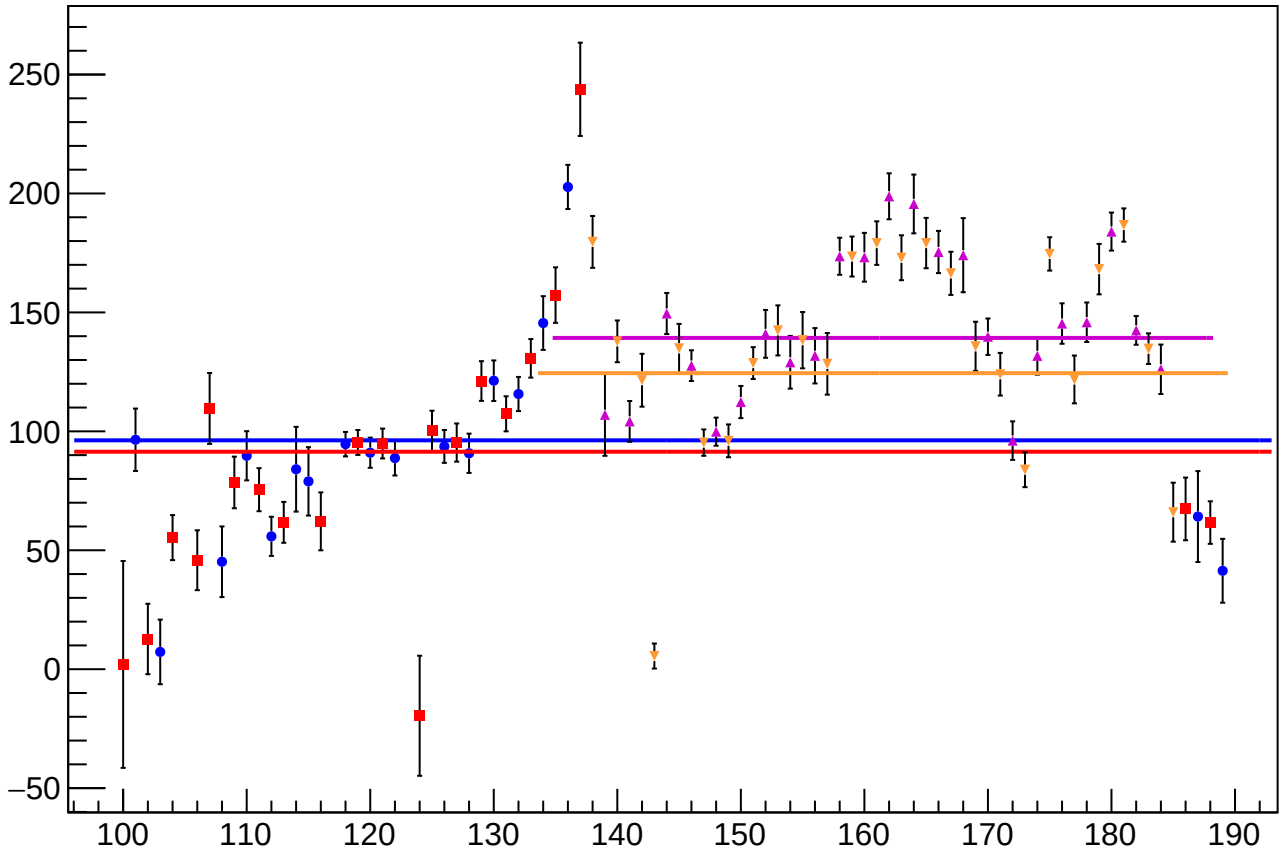
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 396.711+/-1.267 χ^2/NDF: 7408.1/38

In: 388.786+/-1.395 χ^2/NDF:5418.9/40

Out: 378.307+/-1.268 χ^2/NDF:12437.3/45

All: 383.047+/-0.938 χ^2/NDF: 17887.1/86



Right In: 96.219+/-2.104 χ^2/NDF: 269.7/17

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 91.435+/-2.054 χ^2/NDF: 252.8/20

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

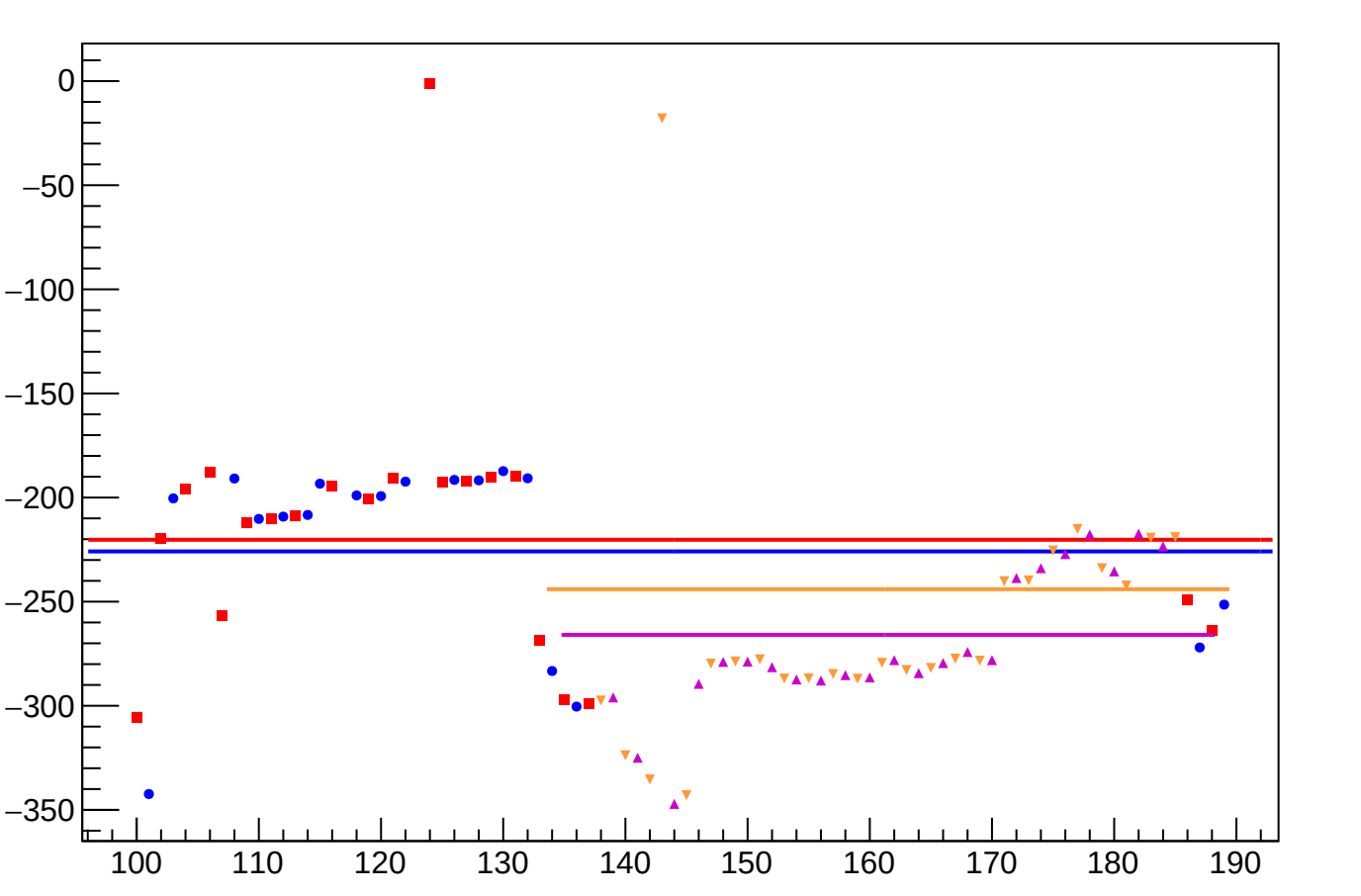
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

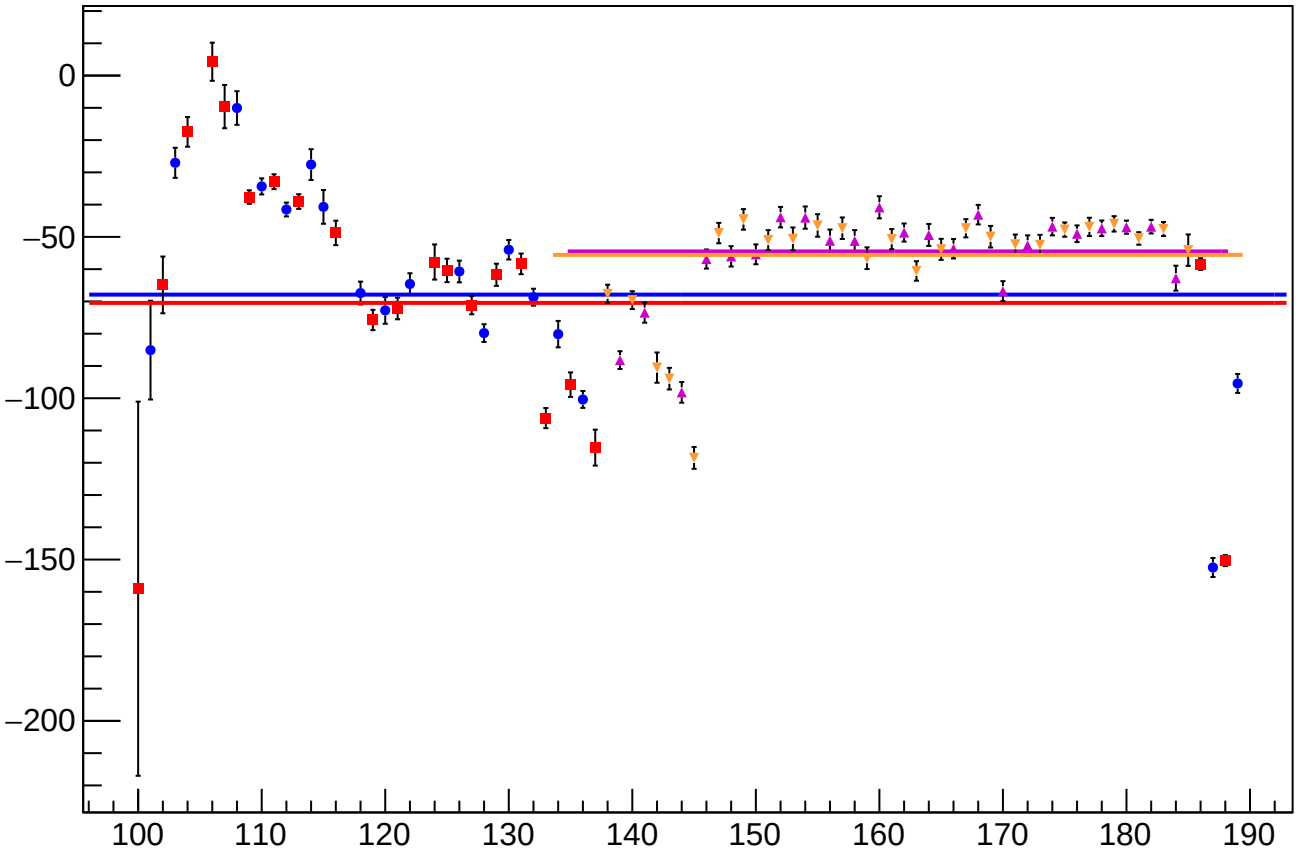
Right: 93.770+/-1.470 χ^2/NDF: 525.1/38

In: 121.443+/-1.354 χ^2/NDF:775.8/40

Out: 111.402+/-1.292 χ^2/NDF:1346.6/45

All: 116.186+/-0.935 χ^2/NDF: 2151.1/86


reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
180
190
Right In: -225.879+/-0.134 χ²/NDF: 125587.0/17
Left Out: -244.021+/-0.077 χ²/NDF:997959.6/24
Right Out: -220.279+/-0.127 χ²/NDF: 93011.3/20
Left In: -265.945+/-0.081 χ²/NDF:169943.2/22
Left: -254.542+/-0.056 χ²/NDF: 1206480.5/47
Right: -222.950+/-0.092 χ²/NDF: 219518.5/38
In: -255.262+/-0.069 χ²/NDF:361579.9/40
Out: -237.636+/-0.066 χ²/NDF:1116321.1/45
All: -246.081+/-0.048 χ²/NDF: 1511950.3/86



Right In: -67.887+/-0.770 χ^2/NDF: 1747.8/17

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.448+/-0.666 χ^2/NDF: 3617.9/20

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

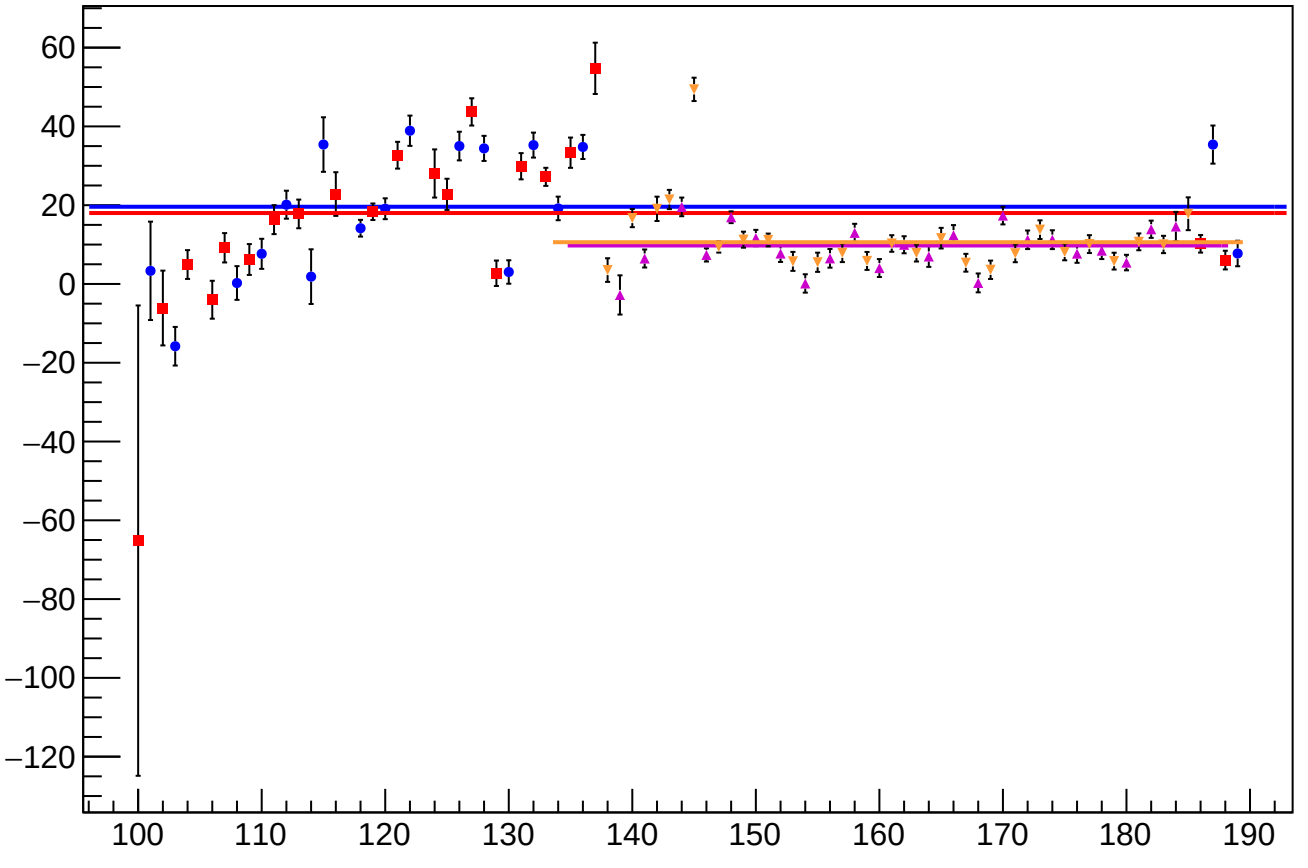
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -69.352+/-0.504 χ^2/NDF: 5372.0/38

In: -59.619+/-0.476 χ^2/NDF:2434.7/40

Out: -62.113+/-0.442 χ^2/NDF:4583.7/45

All: -60.961+/-0.324 χ^2/NDF: 7033.1/86



Right In: 19.602+/-0.826 χ^2/NDF: 271.4/17

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 18.010+/-0.749 χ^2/NDF: 272.2/20

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

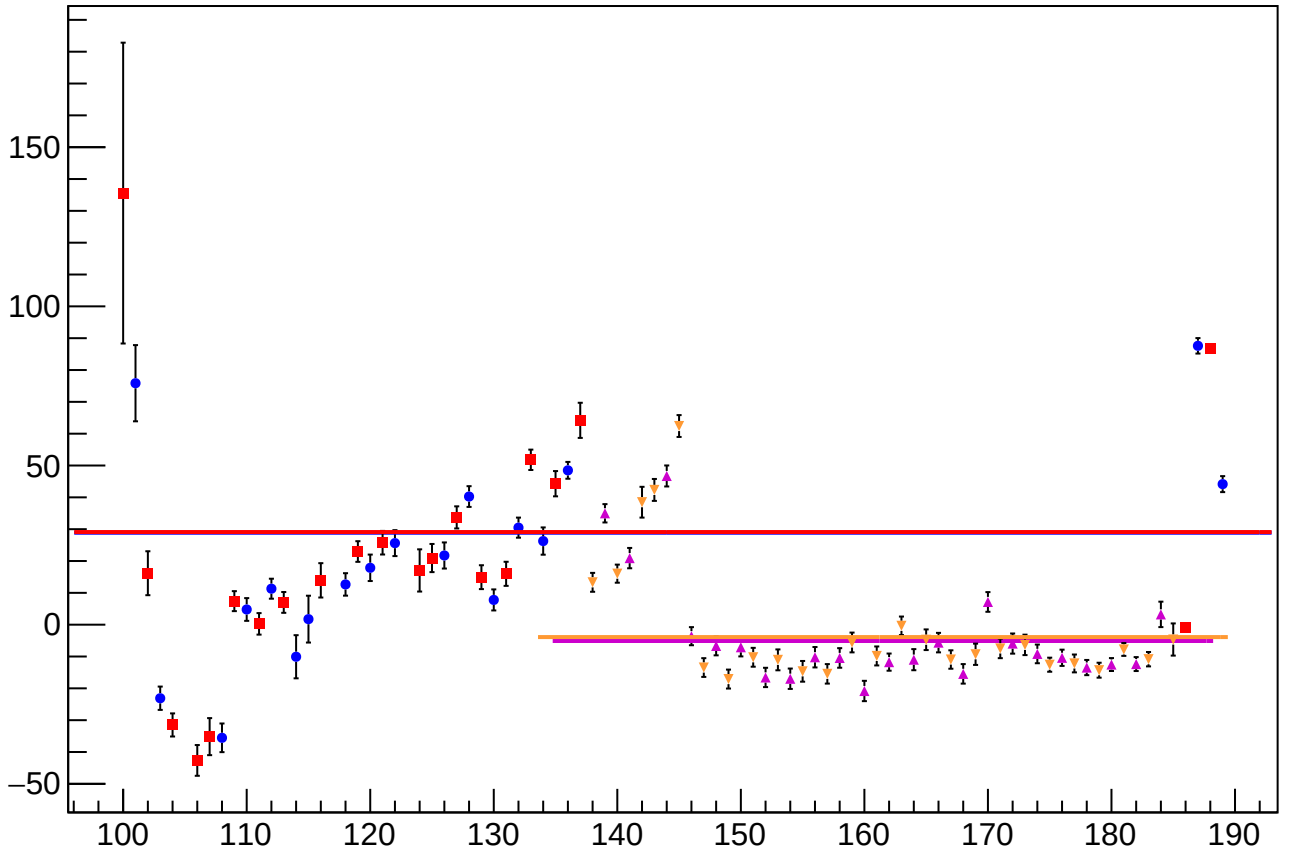
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 18.729+/-0.555 χ^2/NDF: 545.6/38

In: 12.149+/-0.406 χ^2/NDF:500.0/40

Out: 12.564+/-0.385 χ^2/NDF:599.3/45

All: 12.368+/-0.280 χ^2/NDF: 1099.8/86



Right In: 28.894+/-0.839 χ^2/NDF: 1307.2/17

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 29.097+/-0.681 χ^2/NDF: 3129.9/20

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

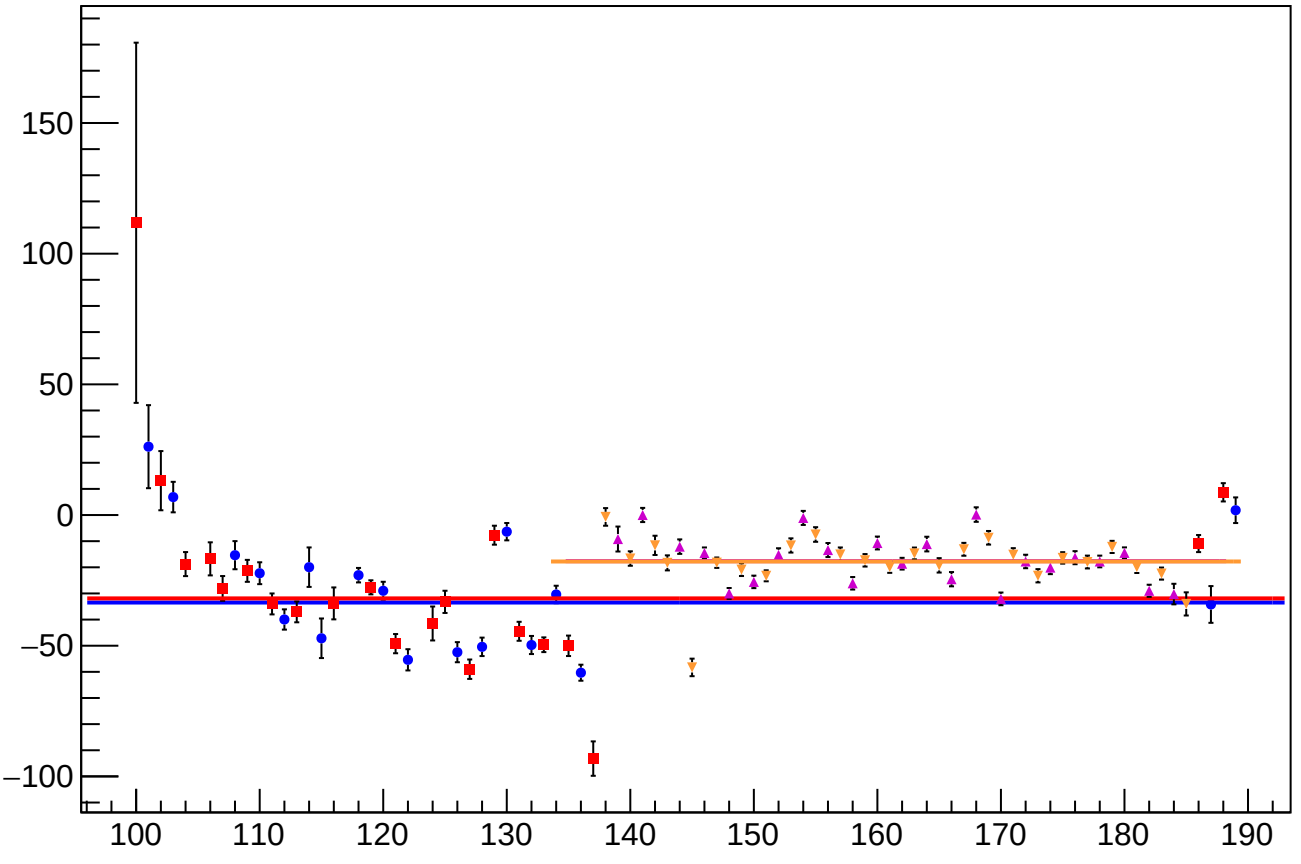
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 29.016+/-0.529 χ^2/NDF: 4437.1/38

In: 6.379+/-0.488 χ^2/NDF:3045.3/40

Out: 10.108+/-0.444 χ^2/NDF:5329.8/45

All: 8.419+/-0.328 χ^2/NDF: 8407.1/86



Right In: -33.476+/-0.962 χ^2/NDF: 400.5/17

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -31.894+/-0.898 χ^2/NDF: 503.2/20

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

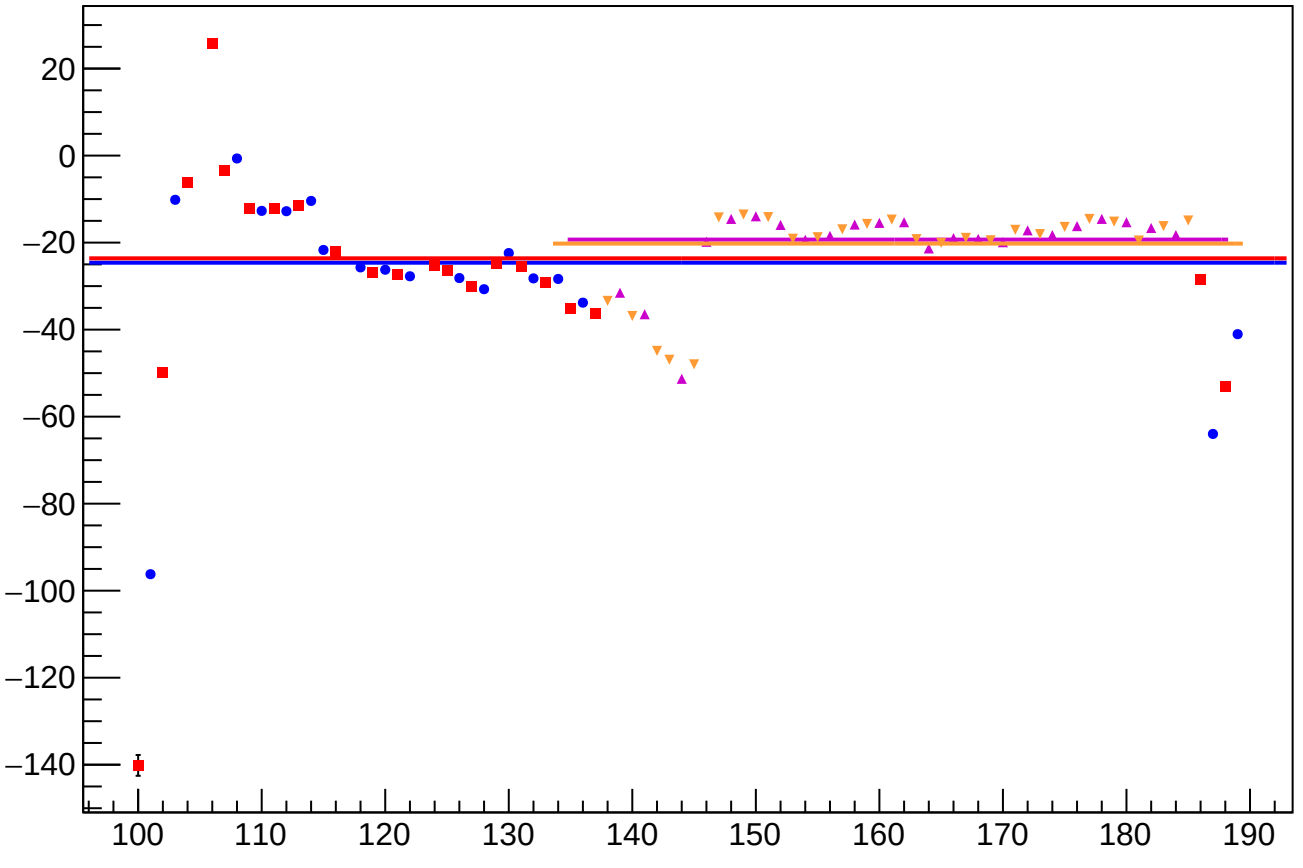
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -32.631+/-0.656 χ^2/NDF: 905.2/38

In: -21.289+/-0.461 χ^2/NDF:895.1/40

Out: -21.205+/-0.443 χ^2/NDF:941.8/45

All: -21.245+/-0.319 χ^2/NDF: 1836.9/86



Right In: -24.618+/-0.055 χ^2/NDF: 64791.4/17

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -23.611+/-0.054 χ^2/NDF: 119561.6/20

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

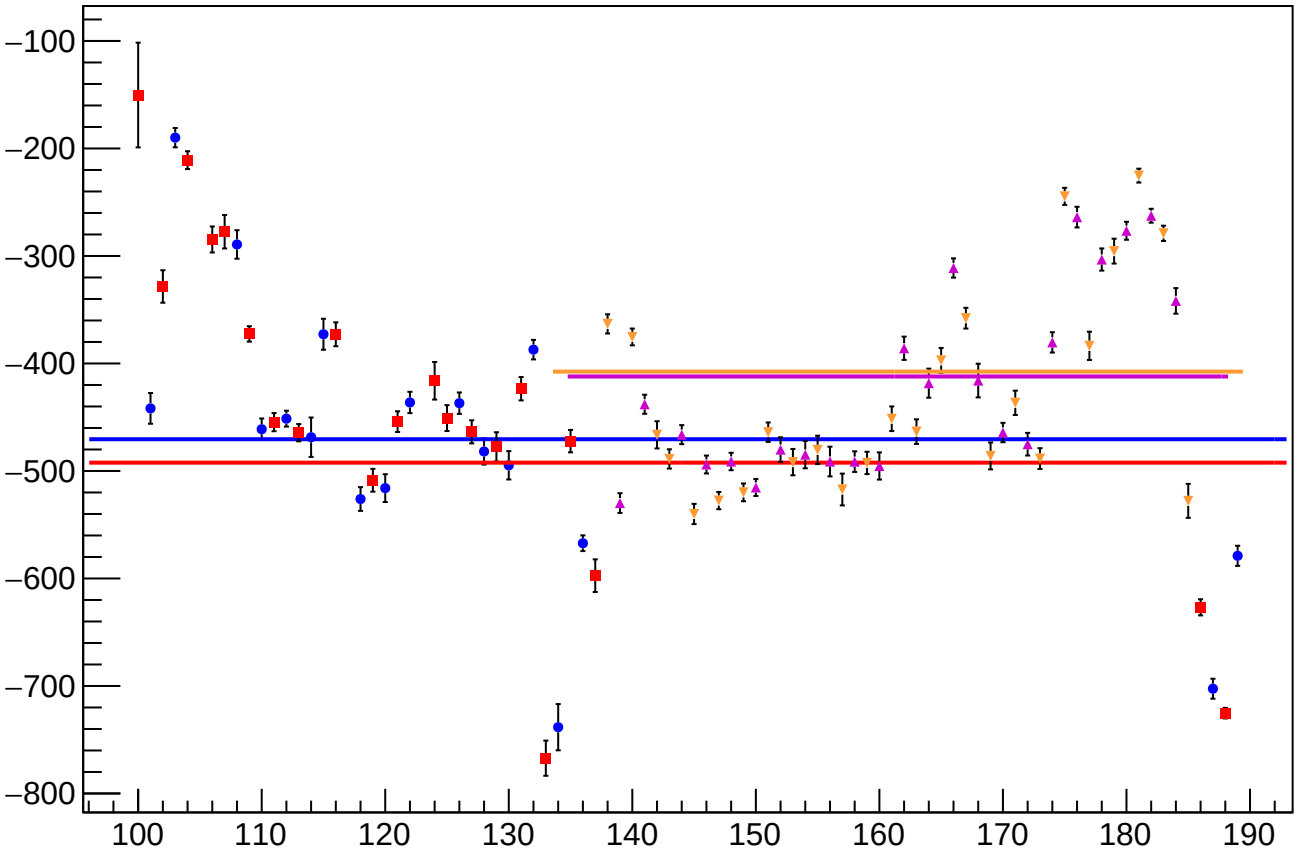
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -24.105+/-0.039 χ^2/NDF: 184520.6/38

In: -20.103+/-0.021 χ^2/NDF:165664.3/40

Out: -20.733+/-0.021 χ^2/NDF:270194.5/45

All: -20.424+/-0.015 χ^2/NDF: 436297.2/86



Right In: -470.462+/-2.484 χ^2/NDF: 2459.6/17

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -492.254+/-2.152 χ^2/NDF: 5208.8/20

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

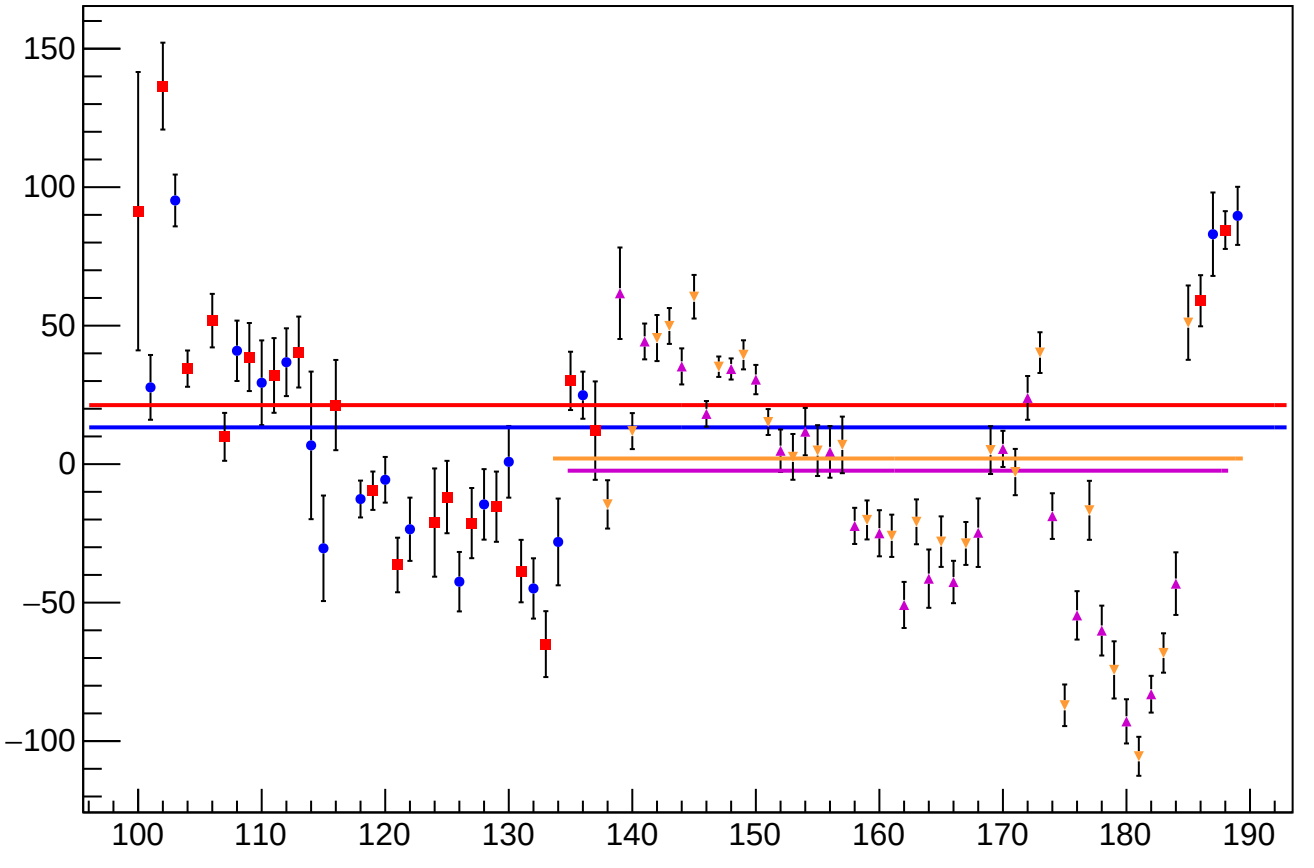
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -482.910+/-1.626 χ^2/NDF: 7712.3/38

In: -435.173+/-1.562 χ^2/NDF:4975.7/40

Out: -445.764+/-1.445 χ^2/NDF:8931.6/45

All: -440.877+/-1.061 χ^2/NDF: 13932.0/86



Right In: 13.277+/-2.601 χ^2/NDF: 270.0/17

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 21.309+/-2.317 χ^2/NDF: 346.0/20

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

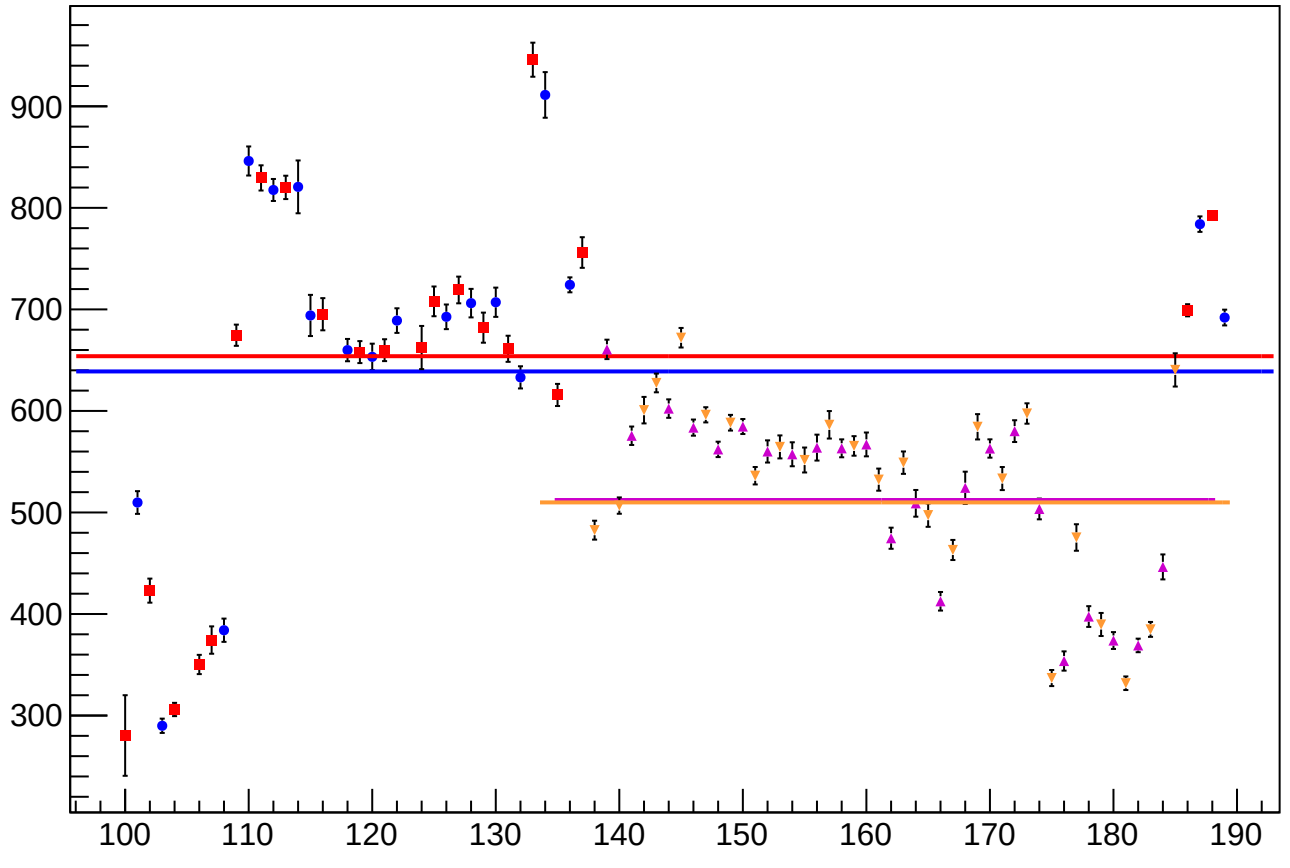
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 17.755+/-1.730 χ^2/NDF: 621.3/38

In: 1.471+/-1.288 χ^2/NDF:1030.7/40

Out: 7.330+/-1.214 χ^2/NDF:1306.9/45

All: 4.572+/-0.884 χ^2/NDF: 2348.5/86



Right In: 638.894+/-2.554 χ^2/NDF: 4396.3/17

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 653.905+/-2.116 χ^2/NDF: 6860.1/20

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

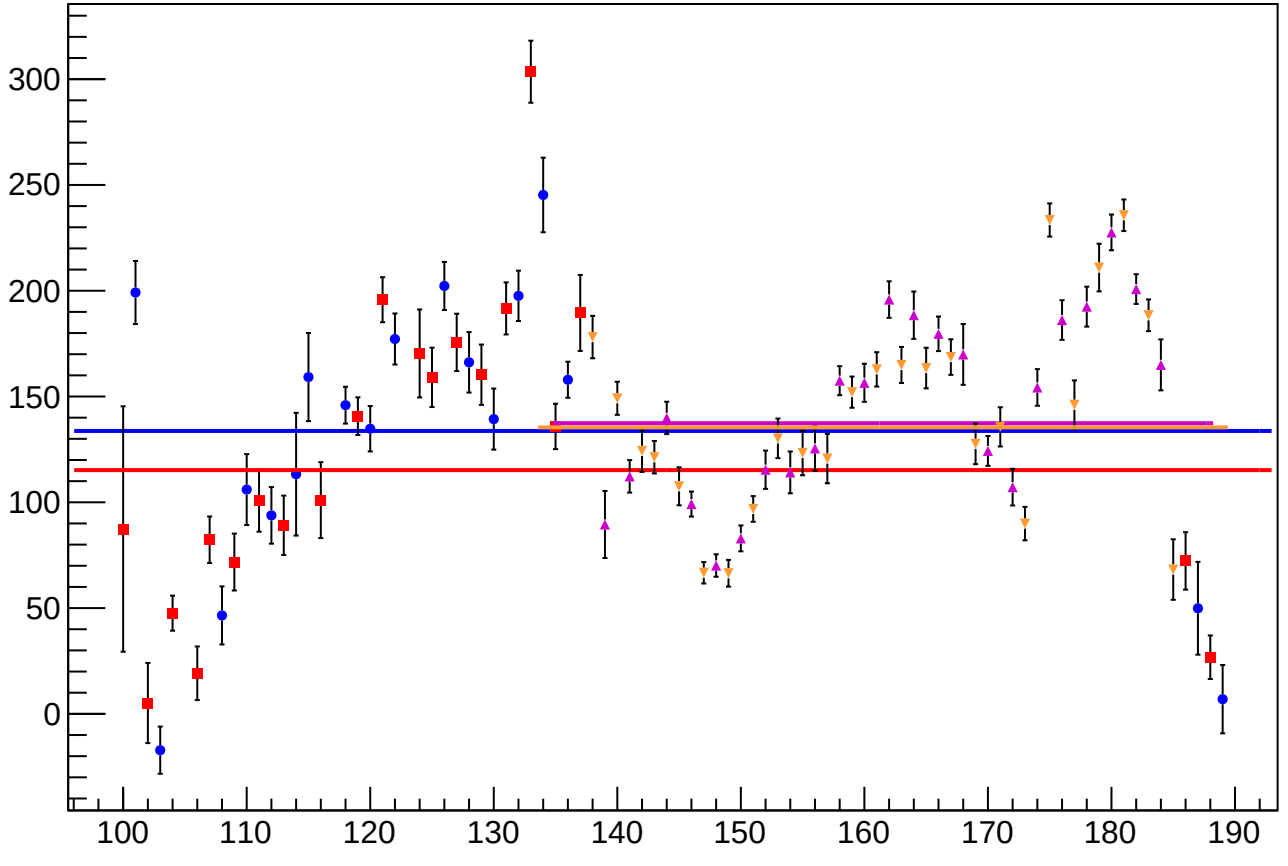
Right: 647.796+/-1.629 χ^2/NDF: 11276.9/38

In: 559.922+/-1.567 χ^2/NDF:8017.1/40

Out: 575.522+/-1.428 χ^2/NDF:12044.2/45

All: 568.443+/-1.055 χ^2/NDF: 20115.5/86

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 133.729+/-3.063 χ^2/NDF: 465.8/17

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 115.210+/-2.799 χ^2/NDF: 602.6/20

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

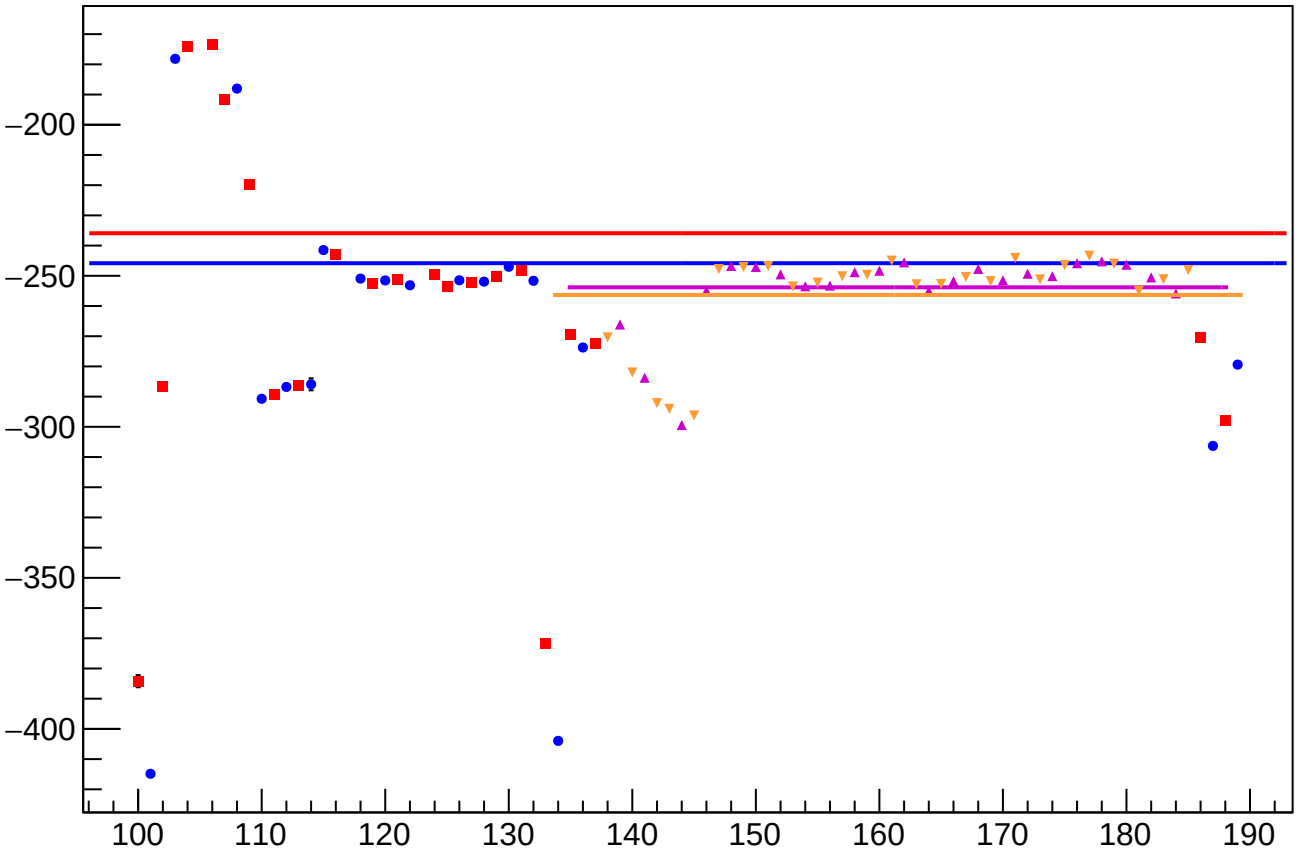
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 123.639+/-2.066 χ^2/NDF: 1088.4/38

In: 136.514+/-1.488 χ^2/NDF:1172.9/40

Out: 130.205+/-1.421 χ^2/NDF:1564.4/45

All: 133.214+/-1.027 χ^2/NDF: 2746.7/86



Right In: -245.828+/-0.158 χ^2/NDF: 178012.7/17

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -235.917+/-0.150 χ^2/NDF: 117386.9/20

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

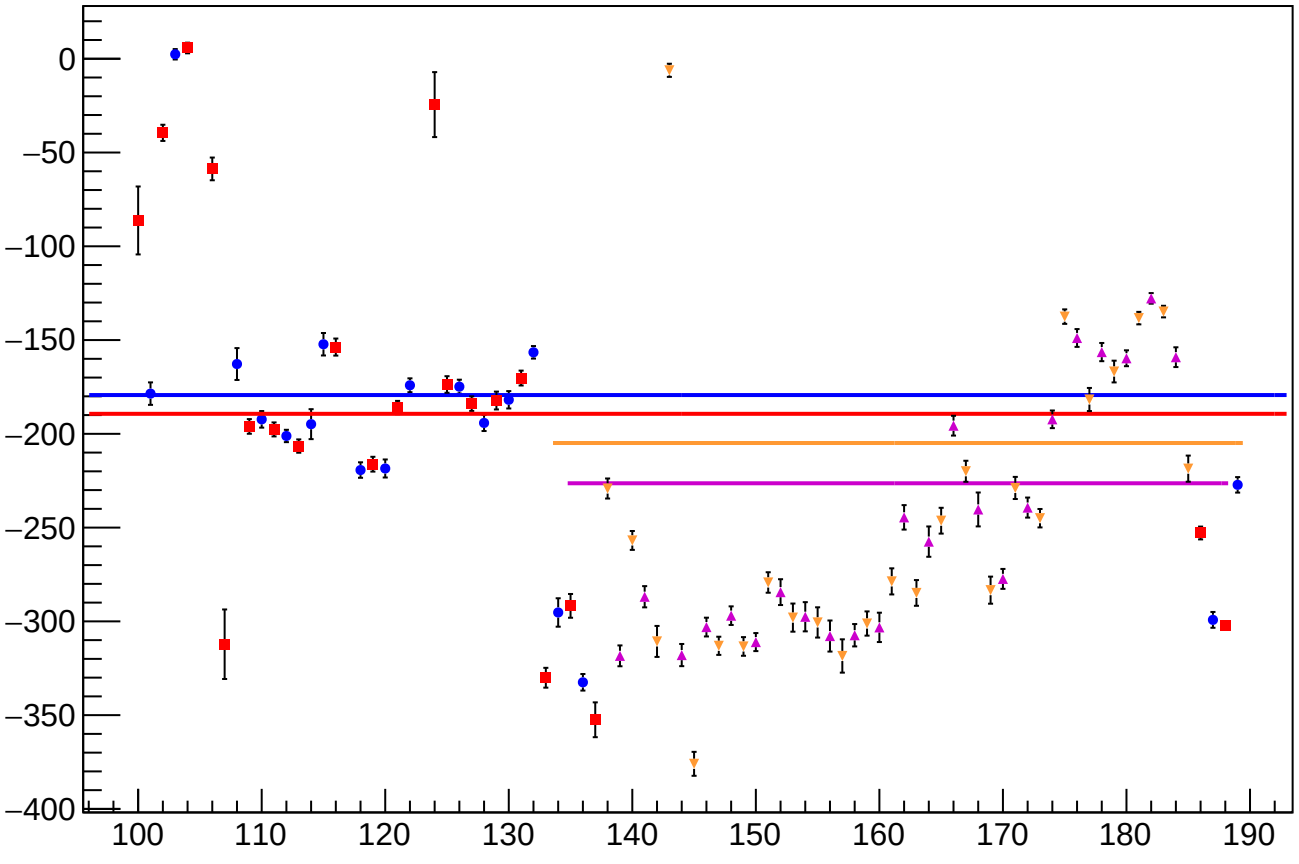
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -240.612+/-0.109 χ^2/NDF: 297476.1/38

In: -252.253+/-0.070 χ^2/NDF:204151.8/40

Out: -252.070+/-0.068 χ^2/NDF:171623.7/45

All: -252.160+/-0.049 χ^2/NDF: 375779.0/86



Right In: -179.321+/-1.011 χ^2/NDF: 6953.4/17

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -189.330+/-0.913 χ^2/NDF: 10828.8/20

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

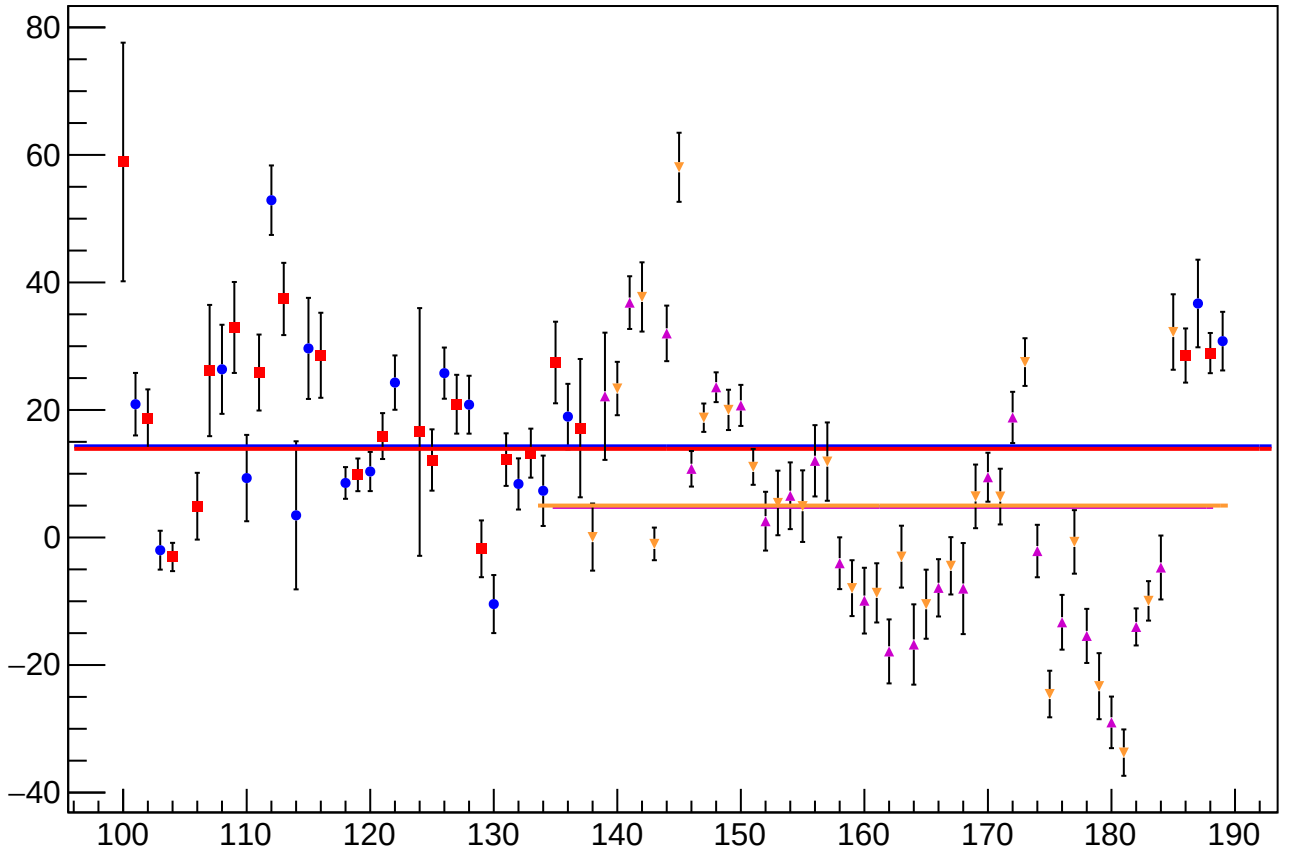
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -184.834+/-0.677 χ^2/NDF: 17836.3/38

In: -200.753+/-0.746 χ^2/NDF:12159.3/40

Out: -196.013+/-0.689 χ^2/NDF:18780.0/45

All: -198.197+/-0.506 χ^2/NDF: 30961.1/86



Right In: 14.296+/-1.036 χ^2/NDF: 169.0/17

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 13.903+/-0.958 χ^2/NDF: 159.9/20

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

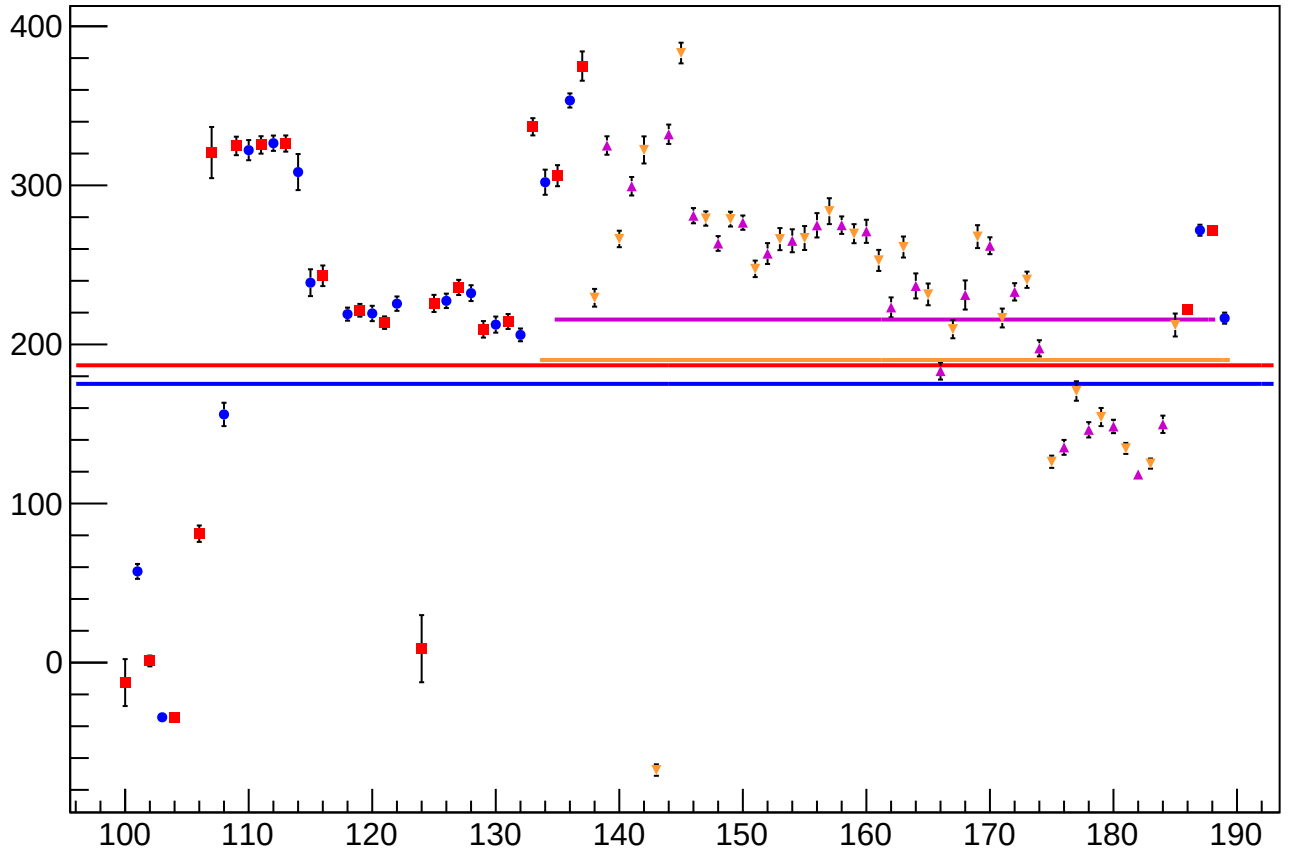
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 14.085+/-0.704 χ^2/NDF: 329.0/38

In: 8.600+/-0.656 χ^2/NDF:645.7/40

Out: 8.623+/-0.611 χ^2/NDF:759.5/45

All: 8.613+/-0.447 χ^2/NDF: 1405.3/86



Right In: 175.218+/-1.034 χ^2/NDF: 15034.2/17

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 186.884+/-0.894 χ^2/NDF: 19694.1/20

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

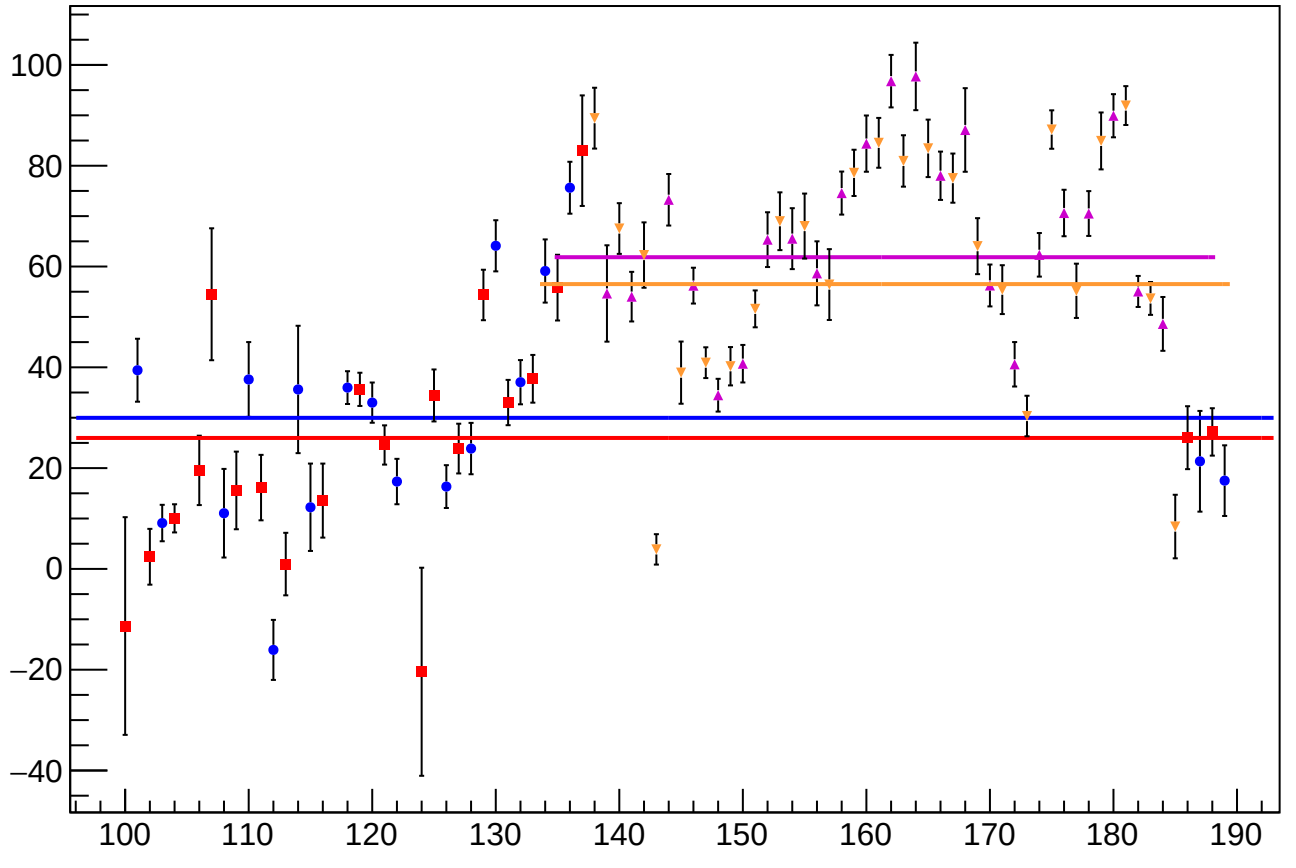
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 181.891+/-0.676 χ^2/NDF: 34801.1/38

In: 194.209+/-0.753 χ^2/NDF:19638.9/40

Out: 188.286+/-0.681 χ^2/NDF:29083.9/45

All: 190.951+/-0.505 χ^2/NDF: 48756.8/86



Right In: 29.975+/-1.226 χ^2/NDF: 281.0/17

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.985+/-1.154 χ^2/NDF: 187.8/20

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

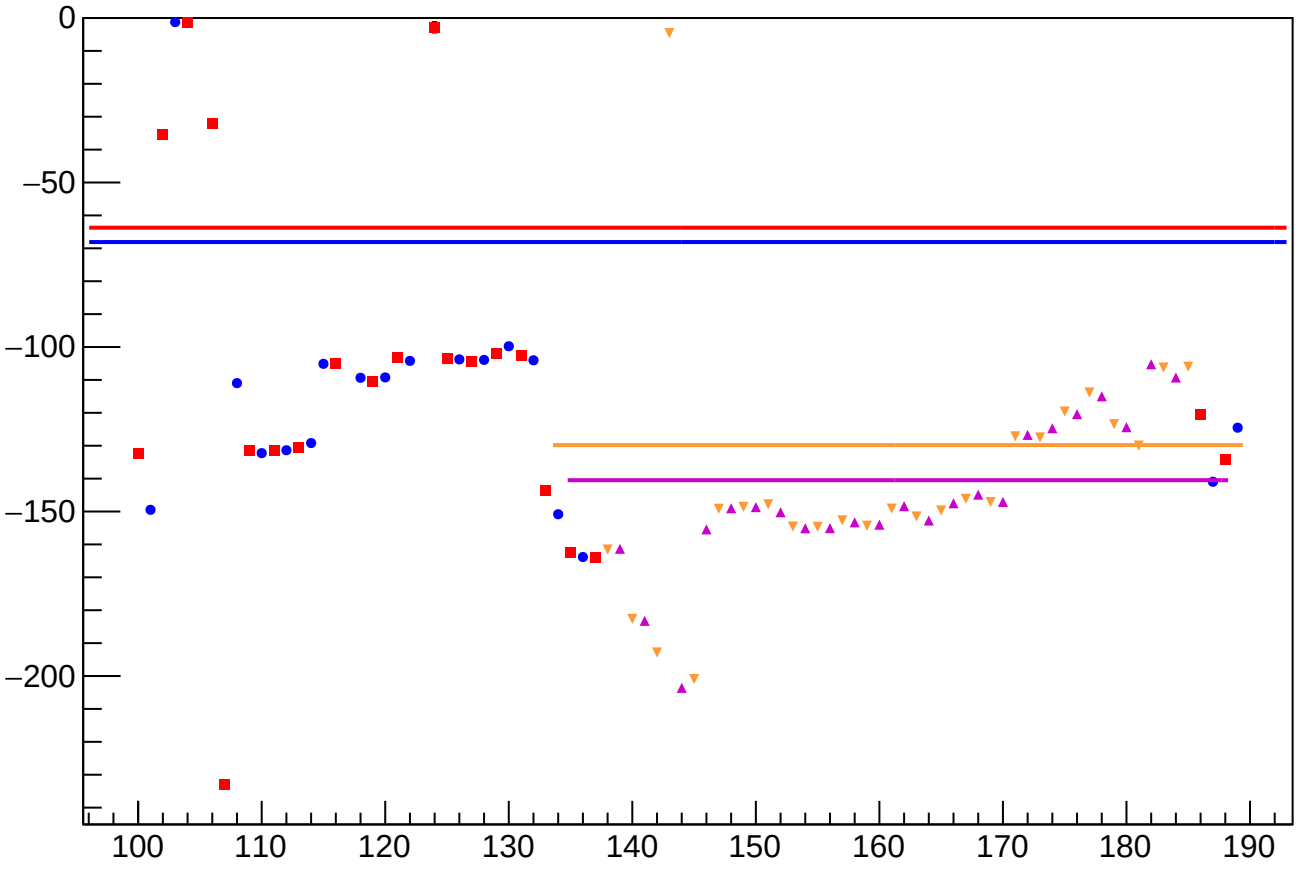
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 27.861+/-0.840 χ^2/NDF: 474.5/38

In: 49.707+/-0.756 χ^2/NDF:1020.5/40

Out: 44.829+/-0.714 χ^2/NDF:1418.4/45

All: 47.128+/-0.519 χ^2/NDF: 2460.9/86



Right In: -68.095+/-0.062 χ^2/NDF: 1097821.9/17

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -63.730+/-0.060 χ^2/NDF: 988024.5/20

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

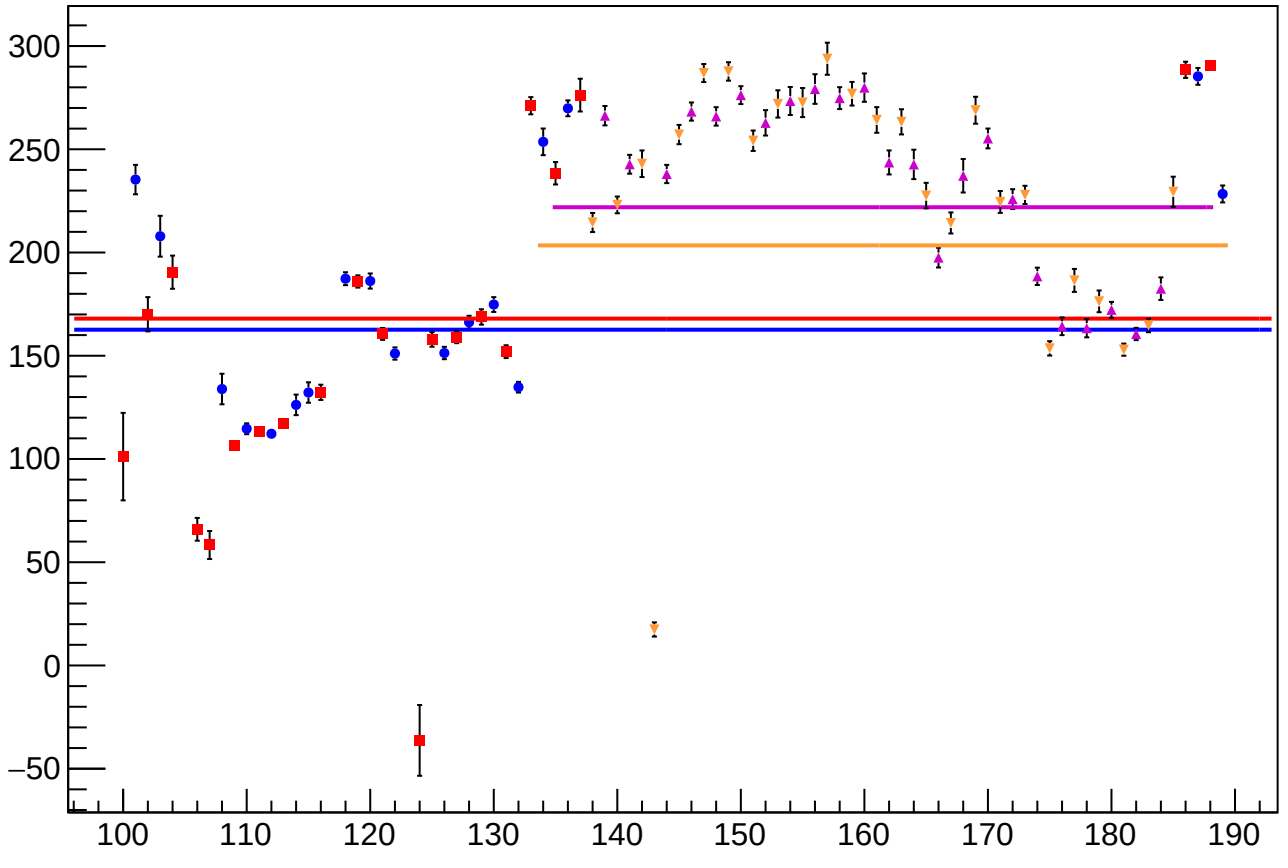
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -65.824+/-0.043 χ^2/NDF: 2088418.5/38

In: -116.519+/-0.036 χ^2/NDF:2261908.6/40

Out: -107.772+/-0.034 χ^2/NDF:2832303.1/45

All: -111.984+/-0.025 χ^2/NDF: 5125303.0/86



Right In: 162.618+/-0.832 χ^2/NDF: 3538.8/17

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 167.980+/-0.758 χ^2/NDF: 7828.5/20

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

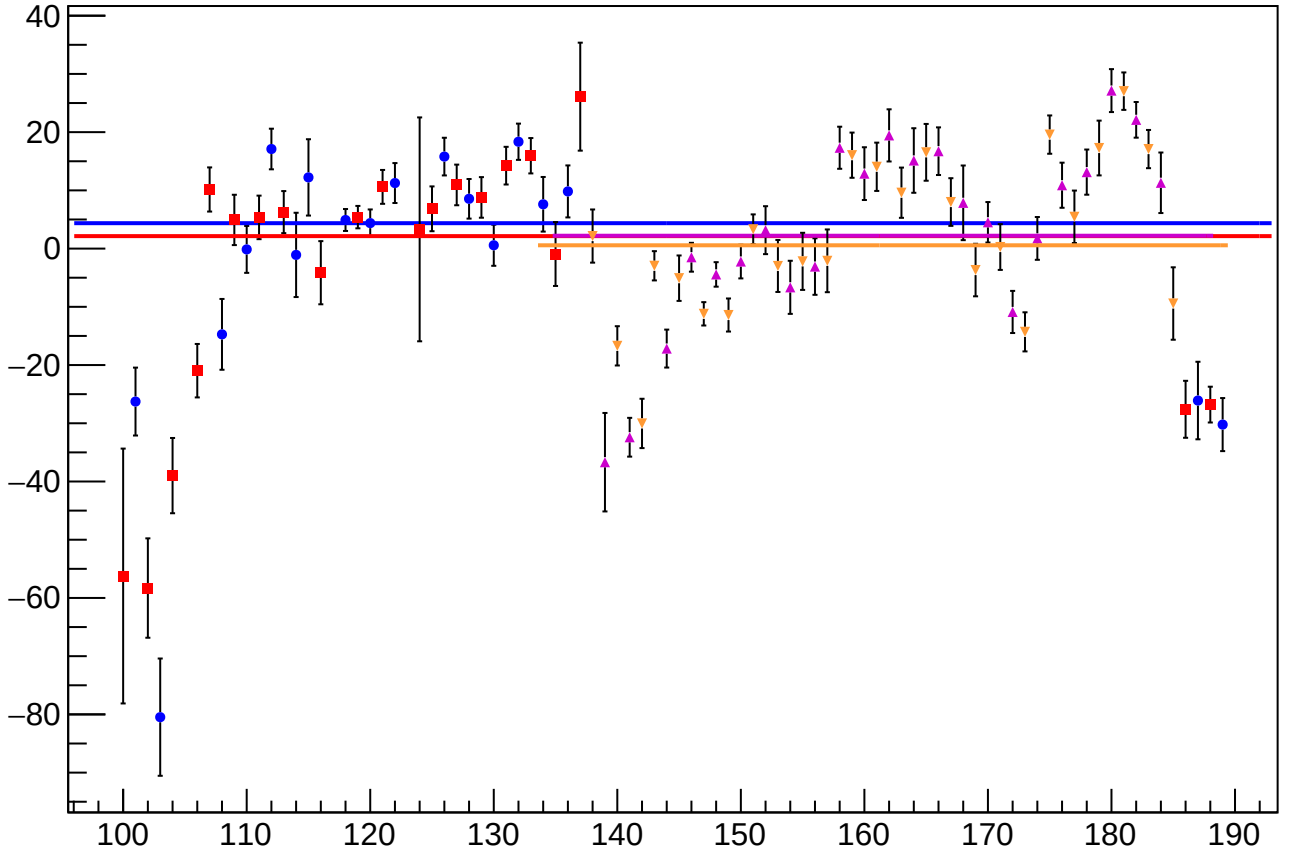
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 165.549+/-0.560 χ^2/NDF: 11390.0/38

In: 186.806+/-0.640 χ^2/NDF:7596.1/40

Out: 181.727+/-0.593 χ^2/NDF:14168.6/45

All: 184.072+/-0.435 χ^2/NDF: 21798.5/86



Right In: 4.365+/-0.866 χ^2/NDF: 245.0/17

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 2.142+/-0.842 χ^2/NDF: 321.4/20

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

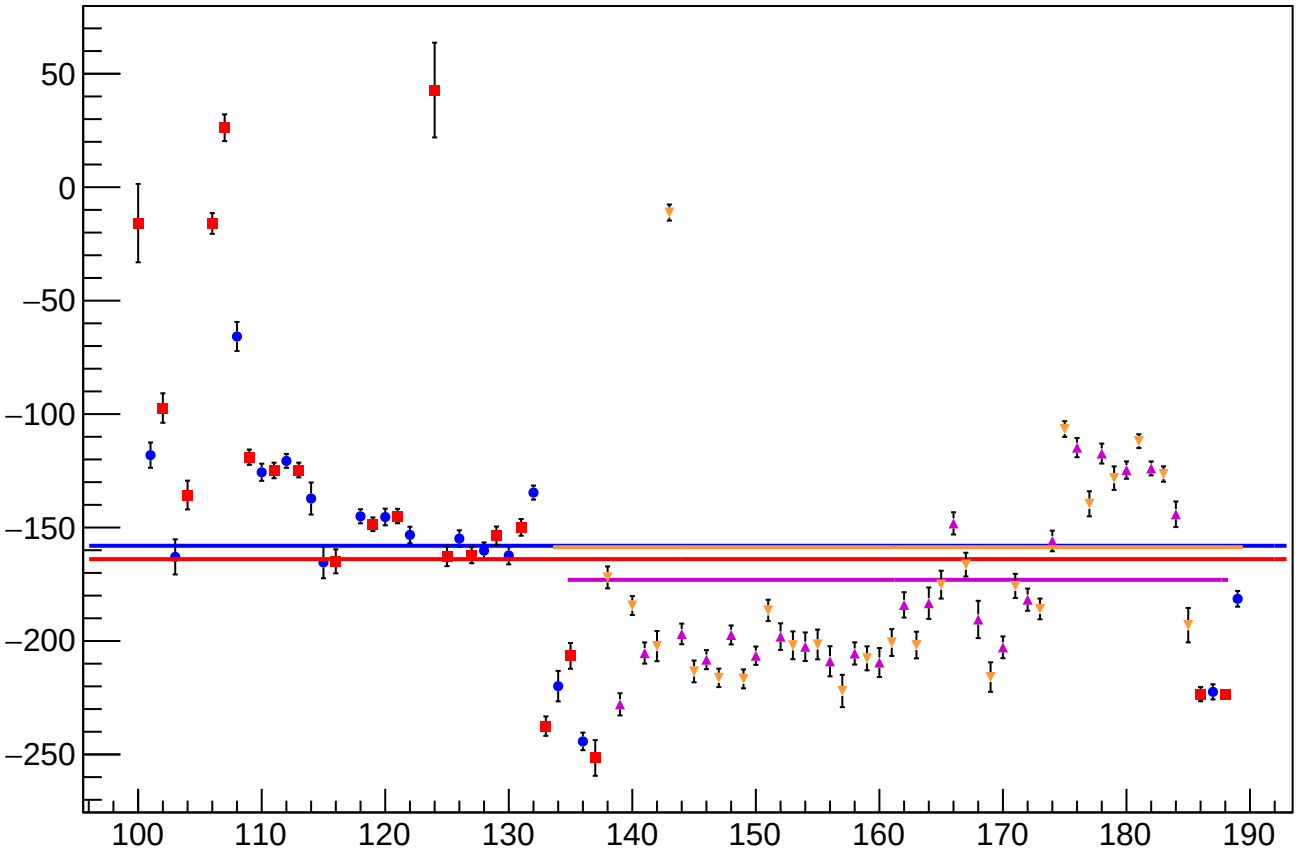
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 3.222+/-0.604 χ^2/NDF: 569.8/38

In: 3.147+/-0.571 χ^2/NDF:606.7/40

Out: 1.229+/-0.545 χ^2/NDF:668.8/45

All: 2.143+/-0.394 χ^2/NDF: 1281.4/86



Right In: -158.037+/-0.944 χ^2/NDF: 1575.7/17

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -163.918+/-0.834 χ^2/NDF: 4896.2/20

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

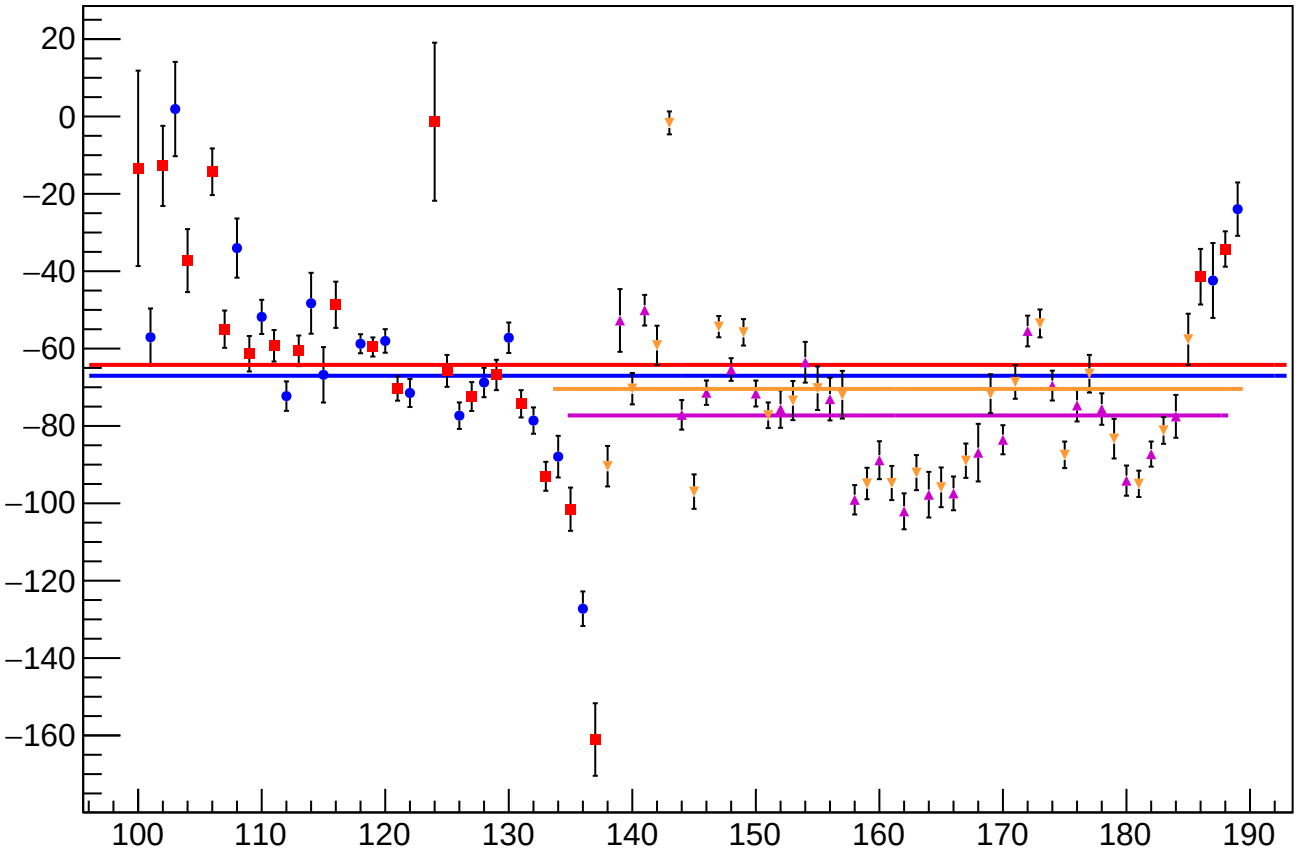
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -161.340+/-0.625 χ^2/NDF: 6493.6/38

In: -165.140+/-0.685 χ^2/NDF:3095.2/40

Out: -161.630+/-0.627 χ^2/NDF:8405.2/45

All: -163.230+/-0.462 χ^2/NDF: 11514.8/86



Right In: -67.025+/-1.016 χ^2/NDF: 362.3/17

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -64.218+/-0.990 χ^2/NDF: 415.1/20

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

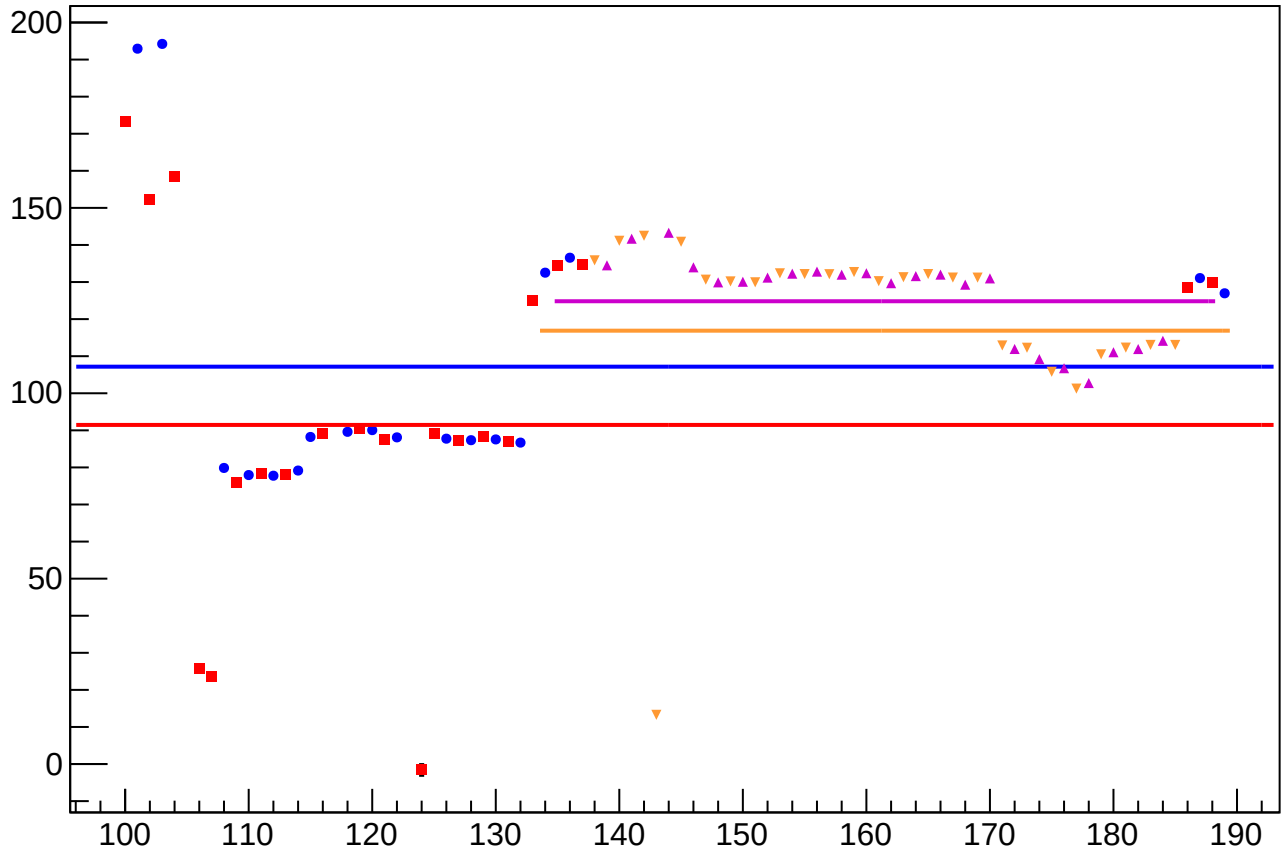
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -65.585+/-0.709 χ^2/NDF: 781.3/38

In: -72.972+/-0.659 χ^2/NDF:675.7/40

Out: -67.895+/-0.632 χ^2/NDF:1340.0/45

All: -70.327+/-0.456 χ^2/NDF: 2046.6/86



Right In: 107.174+/-0.068 χ^2/NDF: 246479.9/17

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 91.462+/-0.063 χ^2/NDF: 411344.9/20

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

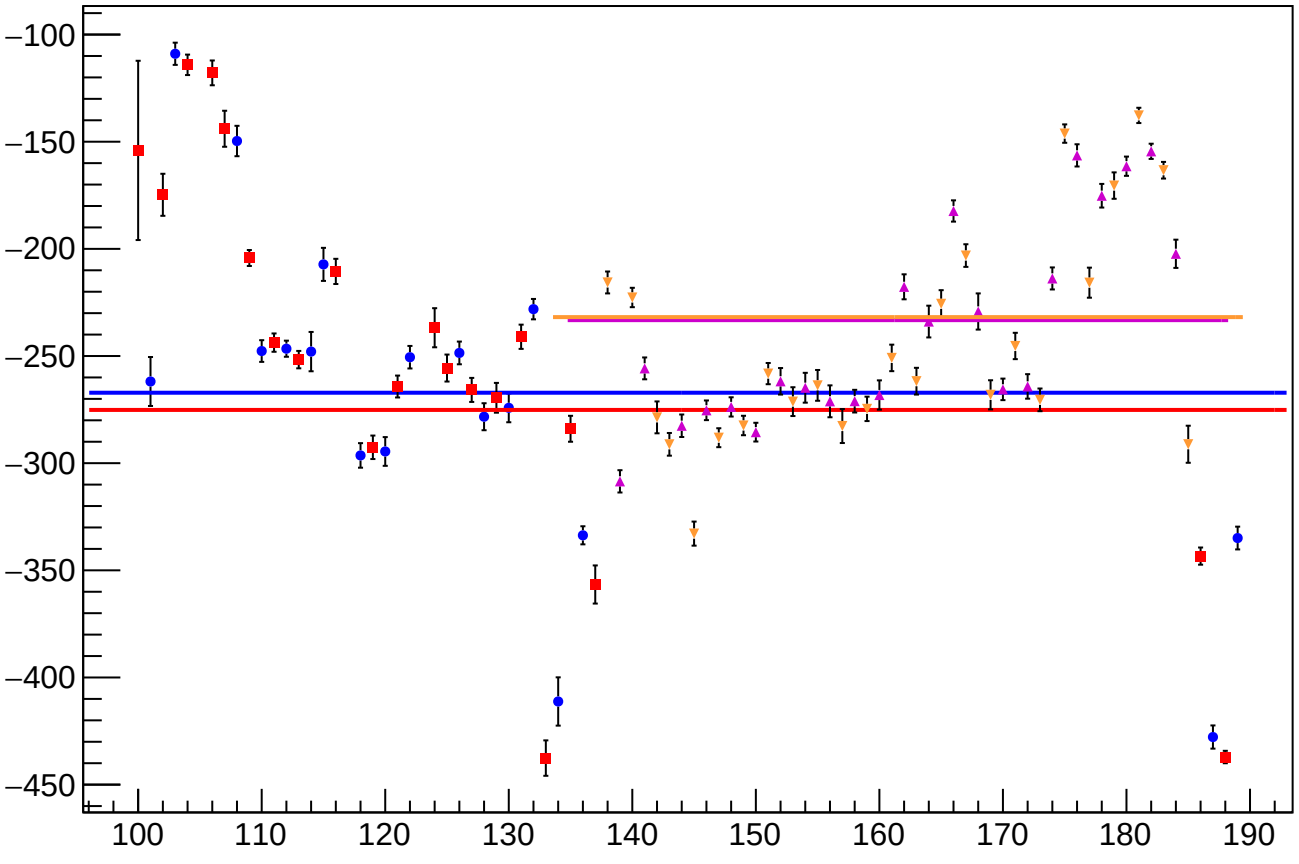
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 98.628+/-0.046 χ^2/NDF: 686565.7/38

In: 120.430+/-0.034 χ^2/NDF:384660.3/40

Out: 110.009+/-0.033 χ^2/NDF:1154794.4/45

All: 114.978+/-0.024 χ^2/NDF: 1588348.4/86



Right In: -267.128+/-1.345 χ^2/NDF: 2908.7/17

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -275.154+/-1.160 χ^2/NDF: 6765.9/20

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

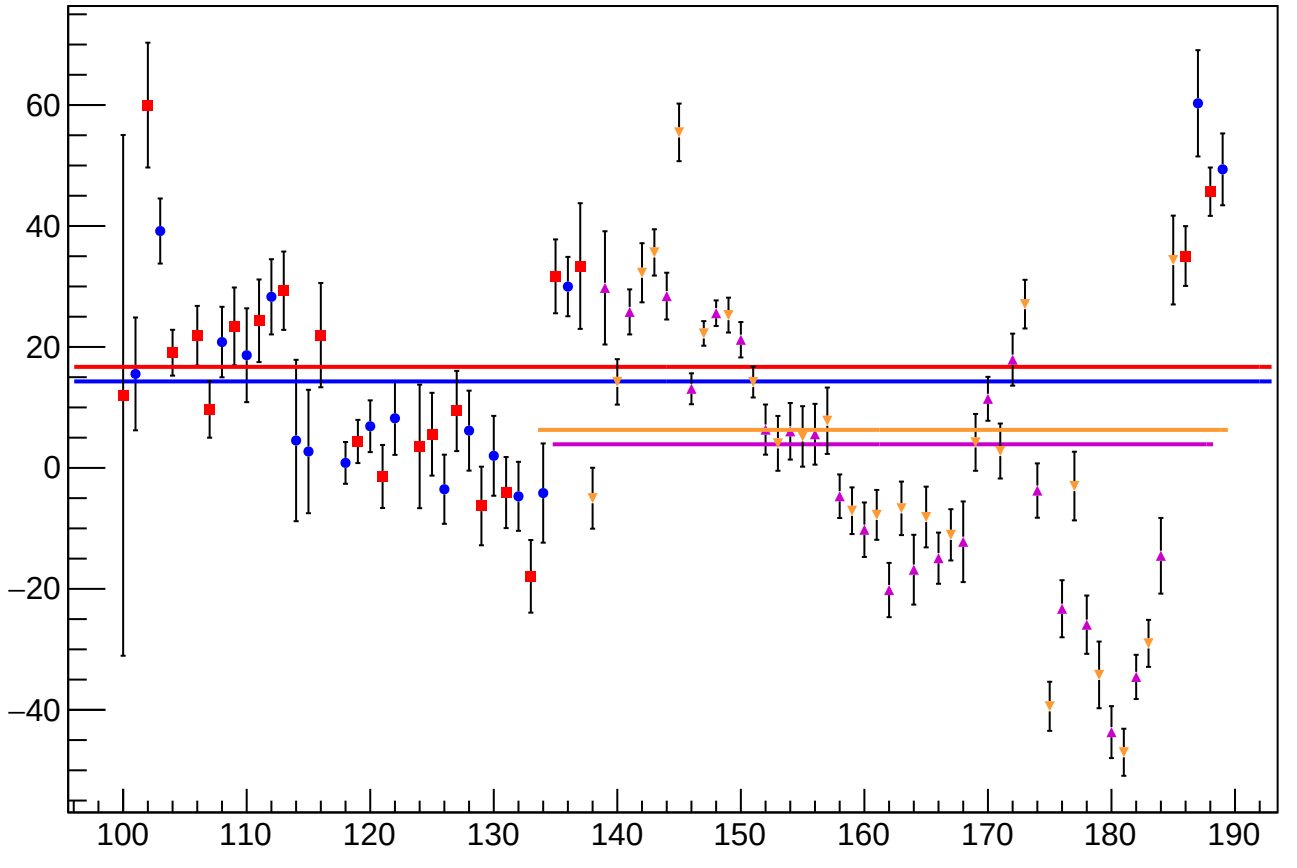
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -271.731+/-0.878 χ^2/NDF: 9695.0/38

In: -246.948+/-0.855 χ^2/NDF:5353.6/40

Out: -251.966+/-0.790 χ^2/NDF:10189.2/45

All: -249.654+/-0.580 χ^2/NDF: 15561.4/86



Right In: 14.301+/-1.409 χ^2/NDF: 152.3/17

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 16.704+/-1.252 χ^2/NDF: 190.4/20

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

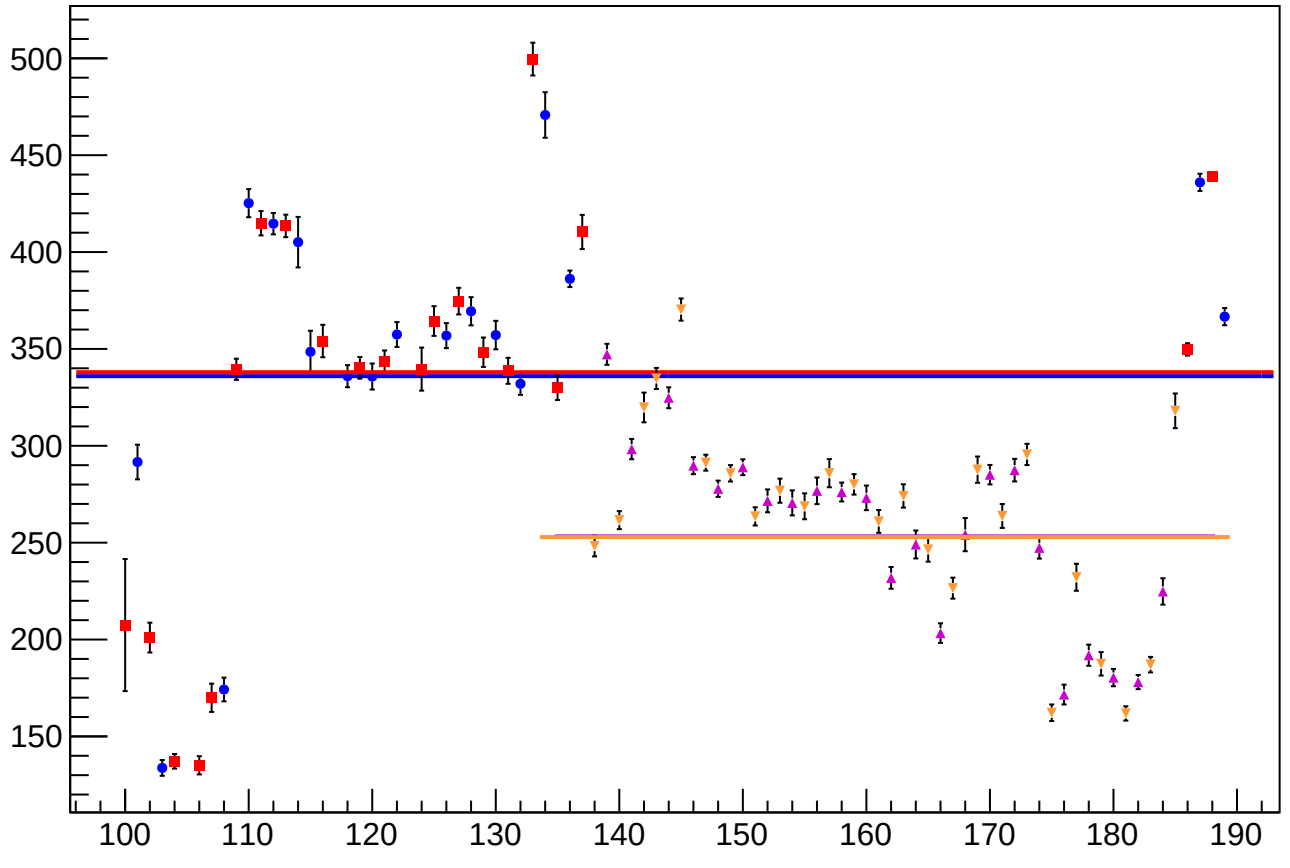
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 15.644+/-0.936 χ^2/NDF: 344.4/38

In: 6.527+/-0.708 χ^2/NDF:843.3/40

Out: 9.250+/-0.668 χ^2/NDF:1111.4/45

All: 7.968+/-0.486 χ^2/NDF: 1962.6/86



Right In: 335.947+/-1.416 χ^2/NDF: 4457.4/17

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 337.991+/-1.164 χ^2/NDF: 8261.1/20

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

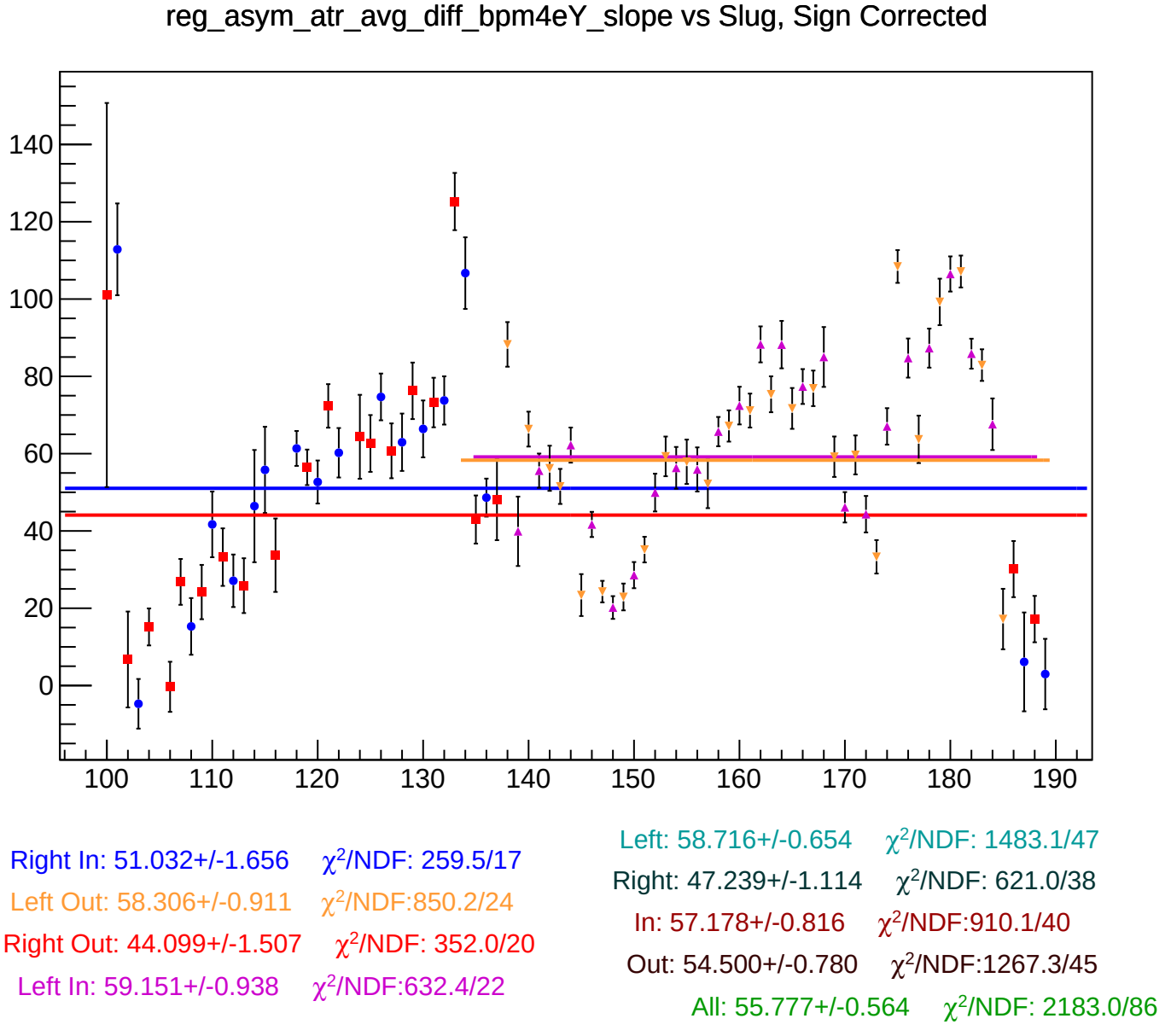
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

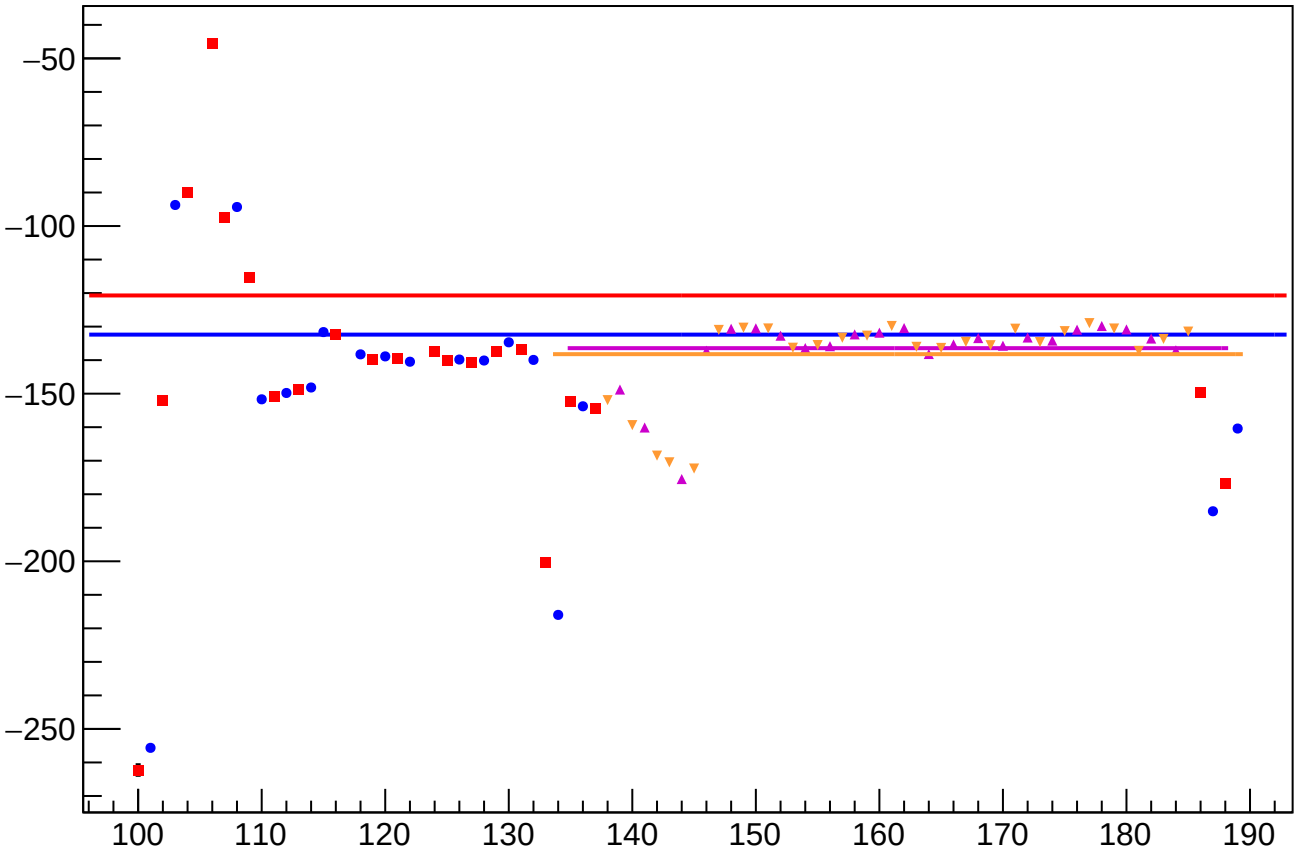
Right: 337.166+/-0.899 χ^2/NDF: 12719.7/38

In: 284.143+/-0.865 χ^2/NDF:8654.2/40

Out: 291.874+/-0.788 χ^2/NDF:13735.8/45

All: 288.370+/-0.583 χ^2/NDF: 22433.6/86


reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
140
120
100
80
60
40
20
0
100
110
120
130
140
150
160
170
180
190
Right In: 51.032+/-1.656 χ²/NDF: 259.5/17
Left Out: 58.306+/-0.911 χ²/NDF:850.2/24
Right Out: 44.099+/-1.507 χ²/NDF: 352.0/20
Left In: 59.151+/-0.938 χ²/NDF:632.4/22
Left: 58.716+/-0.654 χ²/NDF: 1483.1/47
Right: 47.239+/-1.114 χ²/NDF: 621.0/38
In: 57.178+/-0.816 χ²/NDF:910.1/40
Out: 54.500+/-0.780 χ²/NDF:1267.3/45
All: 55.777+/-0.564 χ²/NDF: 2183.0/86



Right In: -132.389+/-0.088 χ^2/NDF: 184586.6/17

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -120.708+/-0.082 χ^2/NDF: 243126.8/20

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

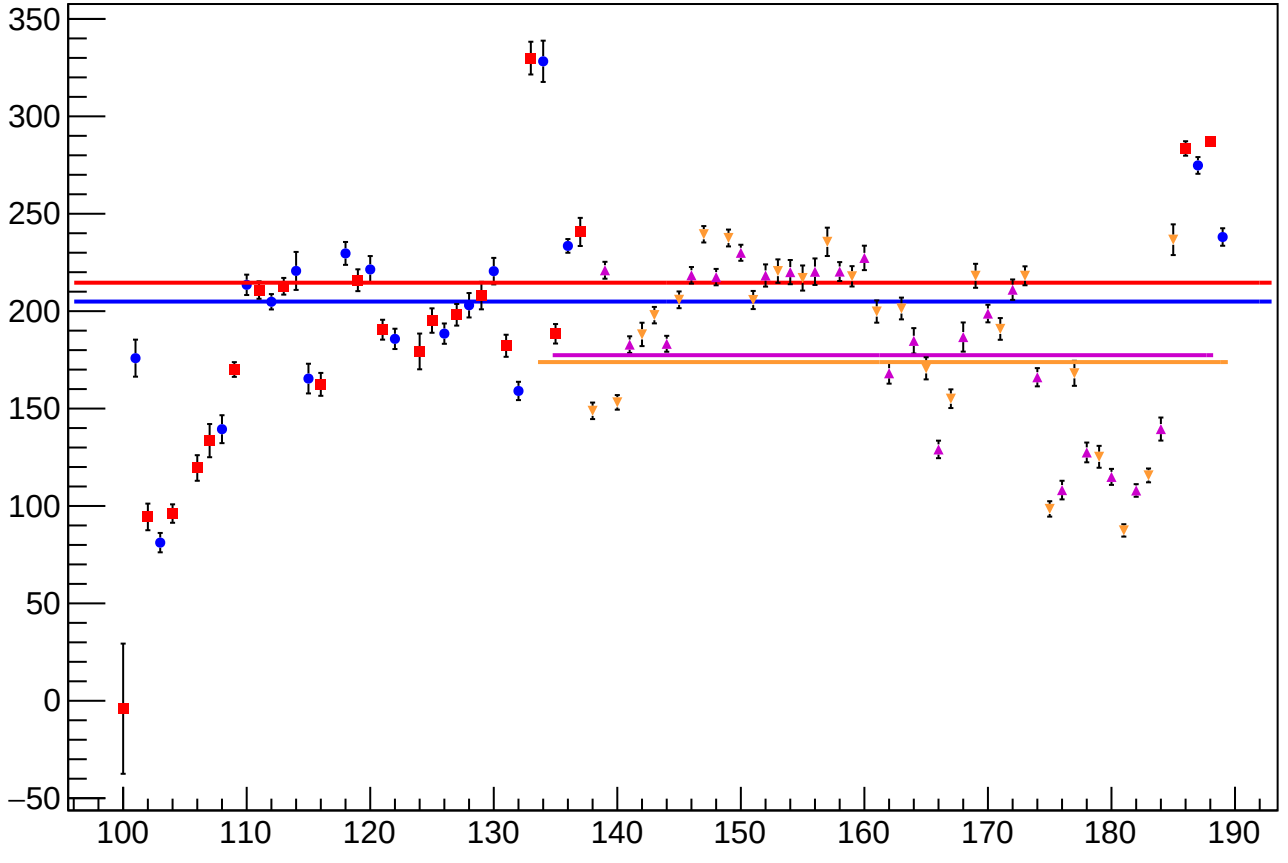
Right: -126.095+/-0.060 χ^2/NDF: 437130.1/38

In: -135.660+/-0.039 χ^2/NDF:236072.1/40

Out: -134.492+/-0.038 χ^2/NDF:361072.5/45

All: -135.063+/-0.027 χ^2/NDF: 597613.3/86

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 204.927+/-1.281 χ^2/NDF: 1413.4/17

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 214.609+/-1.095 χ^2/NDF: 3153.3/20

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

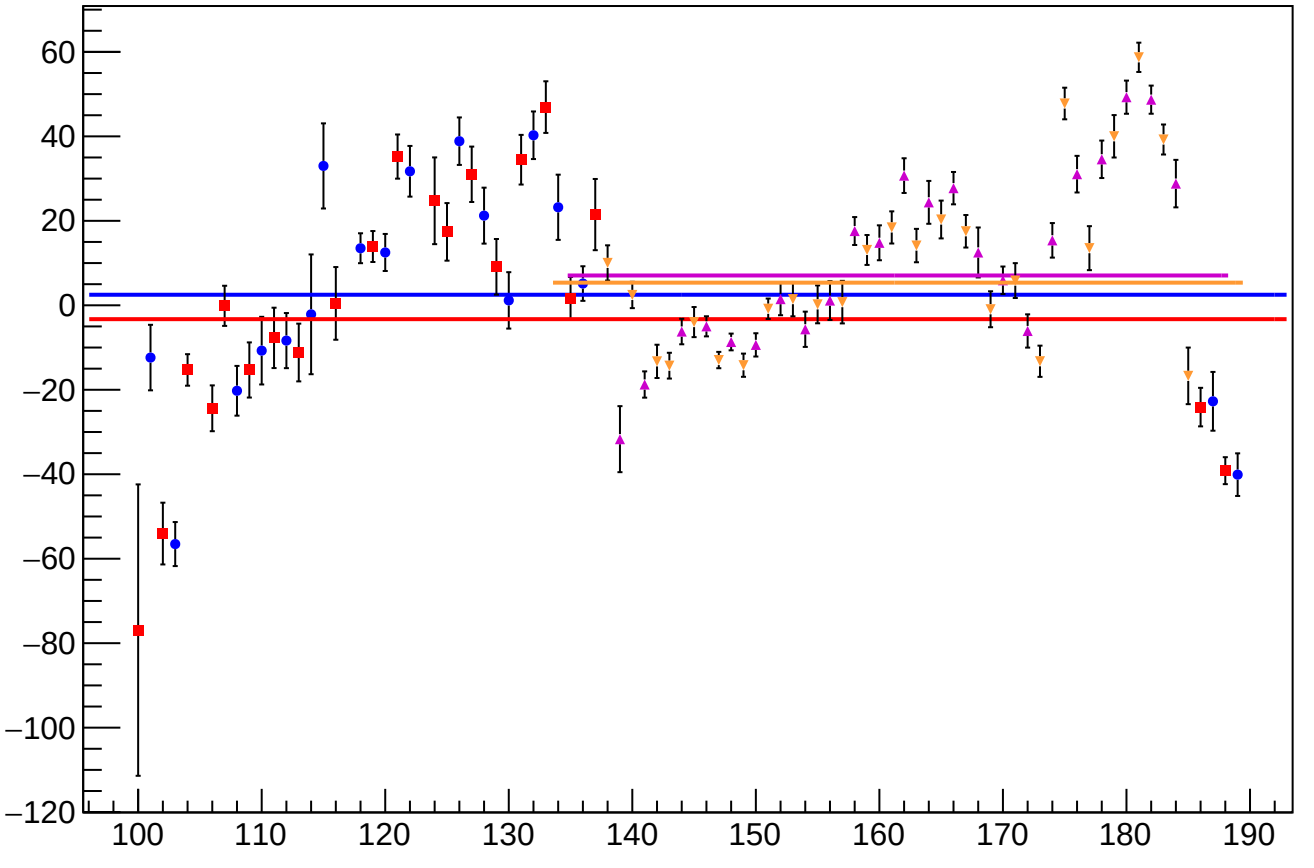
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 210.521+/-0.832 χ^2/NDF: 4599.7/38

In: 187.767+/-0.786 χ^2/NDF:3664.2/40

Out: 191.614+/-0.723 χ^2/NDF:6562.3/45

All: 189.851+/-0.532 χ^2/NDF: 10239.5/86



Right In: 2.499+/-1.360 χ^2/NDF: 387.0/17

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -3.281+/-1.203 χ^2/NDF: 473.1/20

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

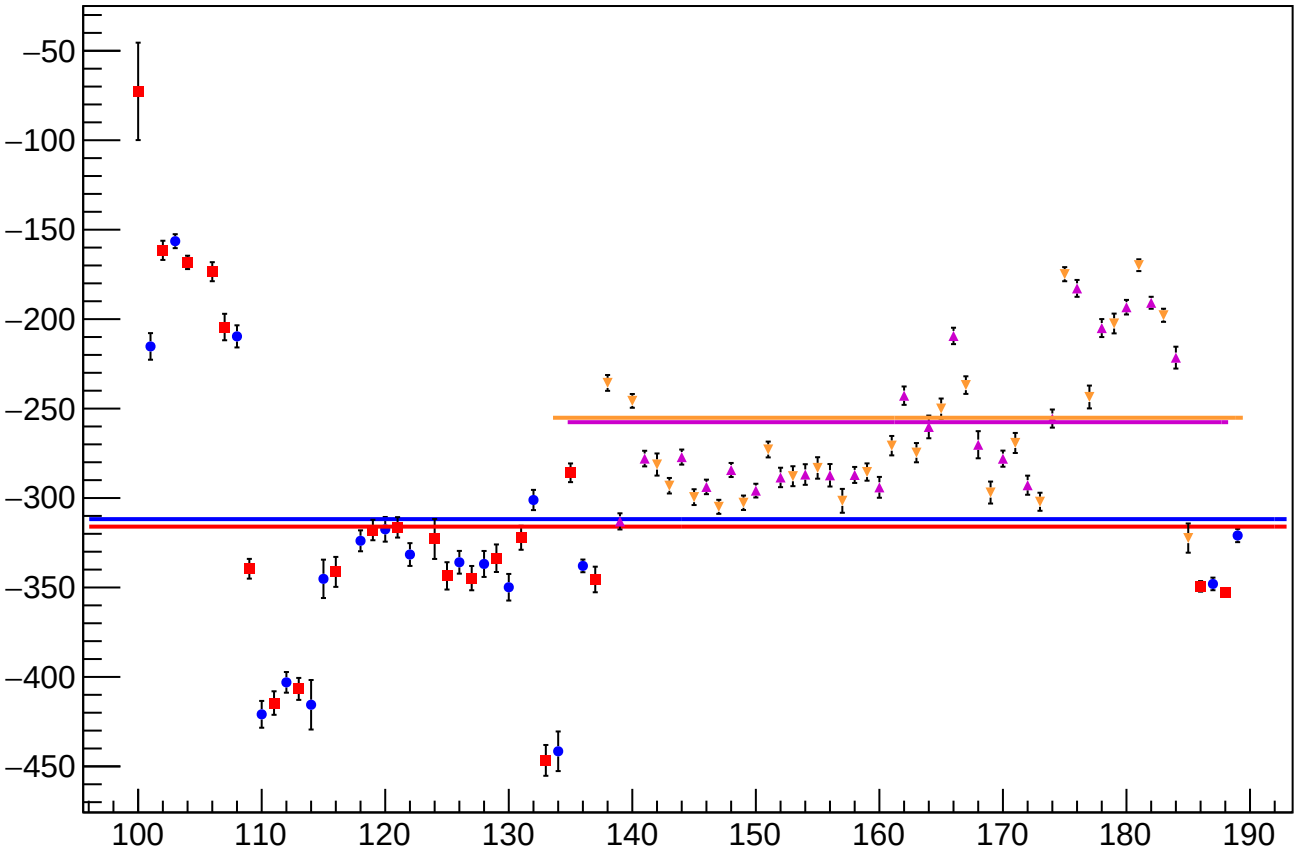
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -0.745+/-0.901 χ^2/NDF: 870.2/38

In: 6.016+/-0.651 χ^2/NDF:1105.3/40

Out: 3.128+/-0.612 χ^2/NDF:1321.4/45

All: 4.482+/-0.446 χ^2/NDF: 2437.1/86



Right In: -311.787+/-1.313 χ^2/NDF: 2927.2/17

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -315.979+/-1.064 χ^2/NDF: 4732.8/20

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

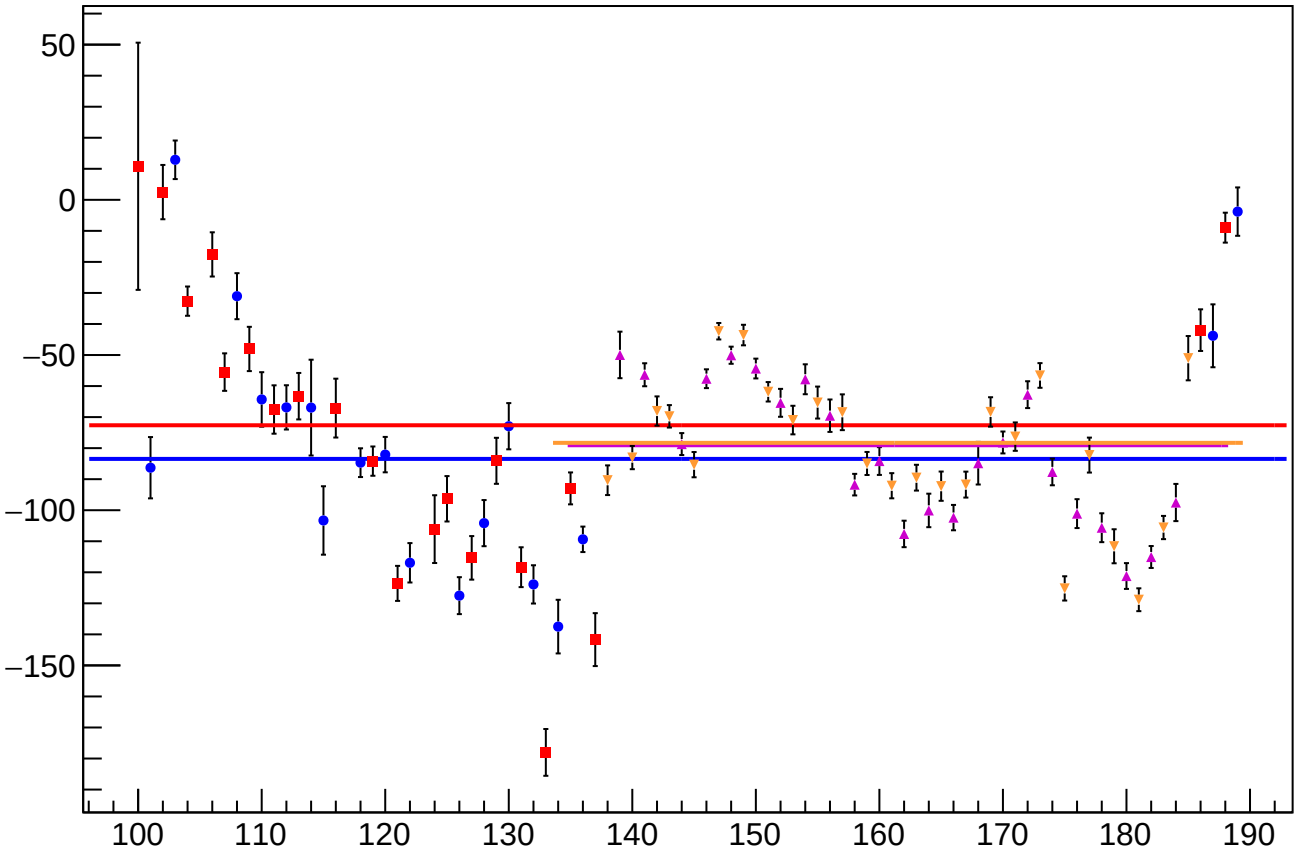
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -314.317+/-0.827 χ^2/NDF: 7666.2/38

In: -277.110+/-0.788 χ^2/NDF:5825.3/40

Out: -282.312+/-0.711 χ^2/NDF:8887.0/45

All: -279.976+/-0.528 χ^2/NDF: 14736.3/86



Right In: -83.469+/-1.599 χ^2/NDF: 639.6/17

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -72.630+/-1.456 χ^2/NDF: 901.5/20

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

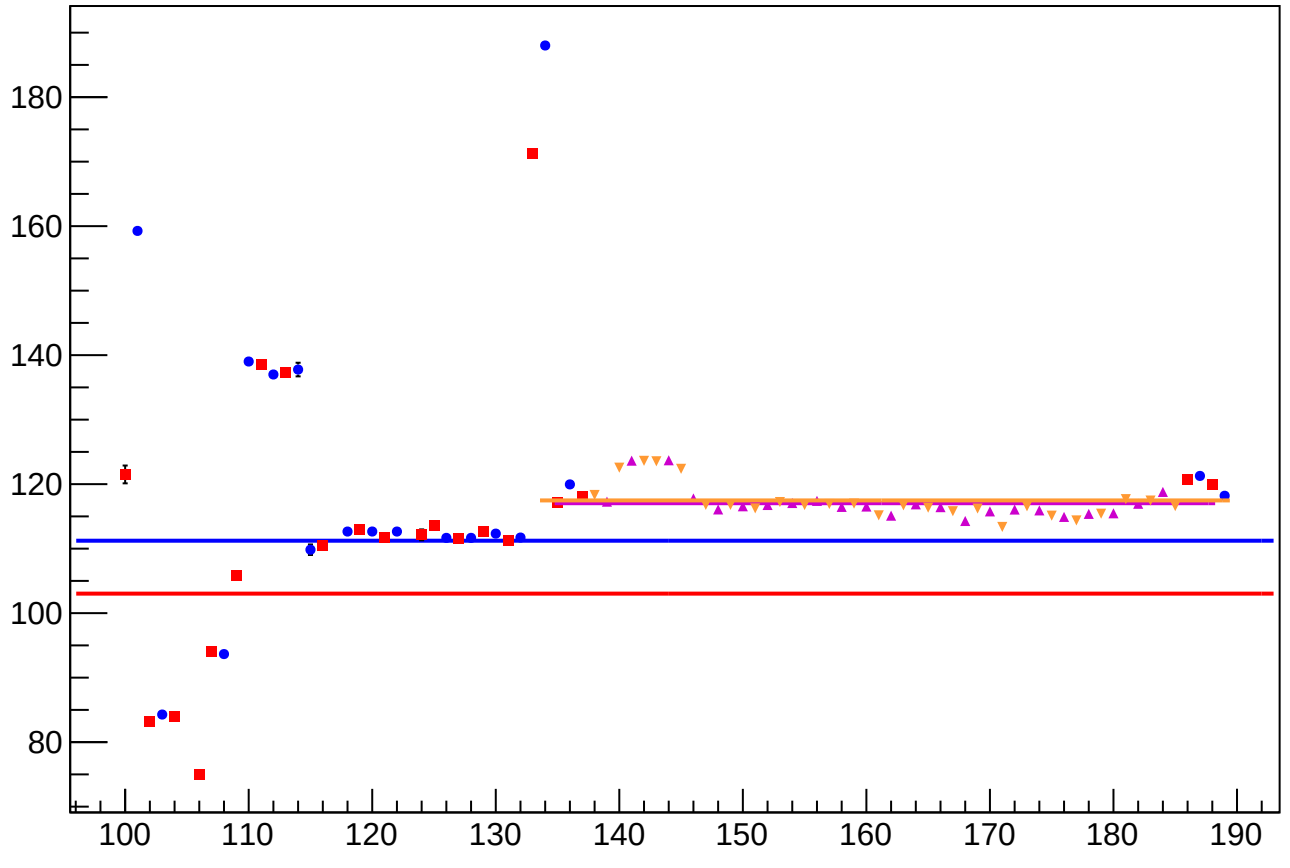
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -77.545+/-1.077 χ^2/NDF: 1566.3/38

In: -80.034+/-0.750 χ^2/NDF:1348.2/40

Out: -76.932+/-0.714 χ^2/NDF:1781.2/45

All: -78.407+/-0.517 χ^2/NDF: 3138.4/86



Right In: 111.230+/-0.083 χ^2/NDF: 84211.6/17

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 103.027+/-0.076 χ^2/NDF: 68088.7/20

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

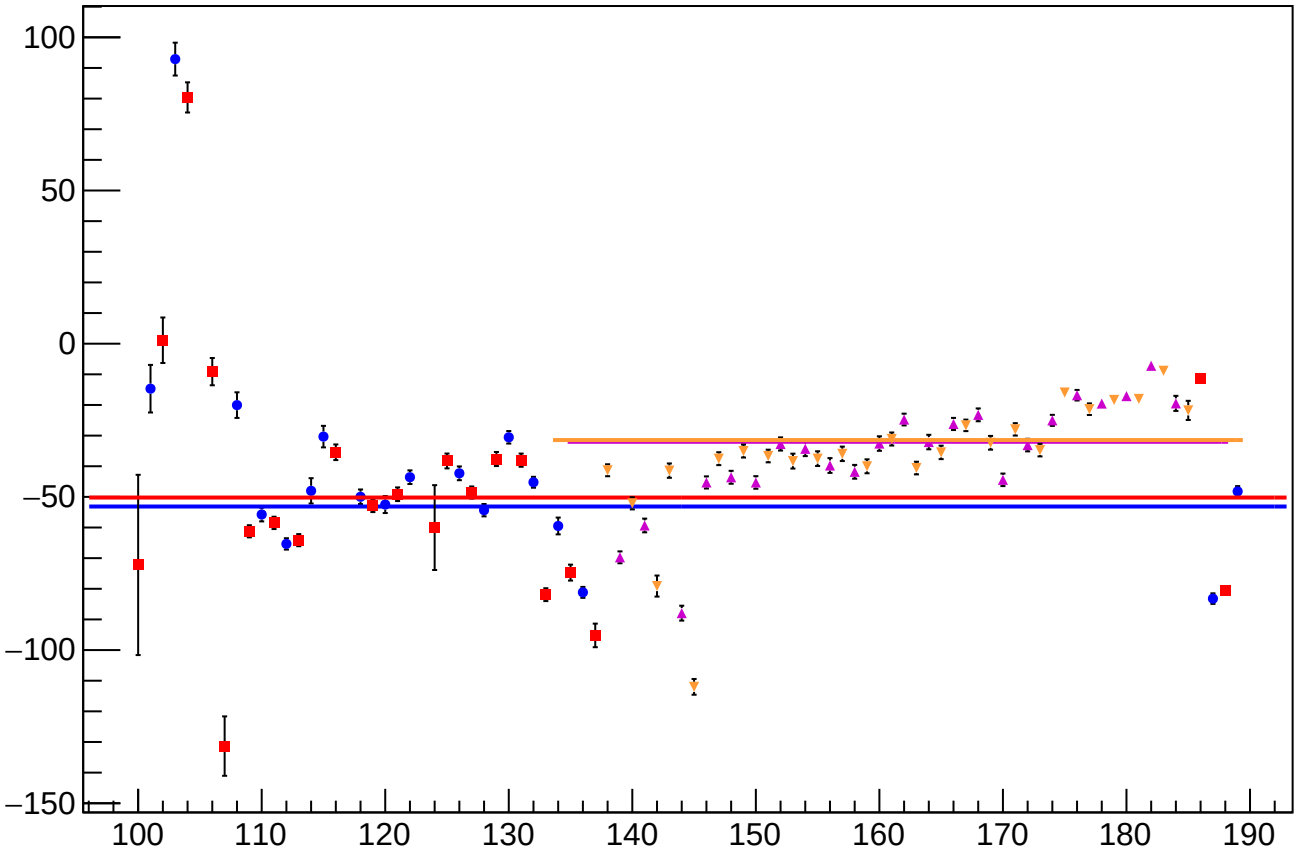
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 106.800+/-0.056 χ^2/NDF: 157594.9/38

In: 116.008+/-0.035 χ^2/NDF:91603.3/40

Out: 114.614+/-0.034 χ^2/NDF:101465.4/45

All: 115.292+/-0.024 χ^2/NDF: 193884.8/86



Right In: -53.145+/-0.546 χ^2/NDF: 1664.9/17

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -50.216+/-0.465 χ^2/NDF: 3870.3/20

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

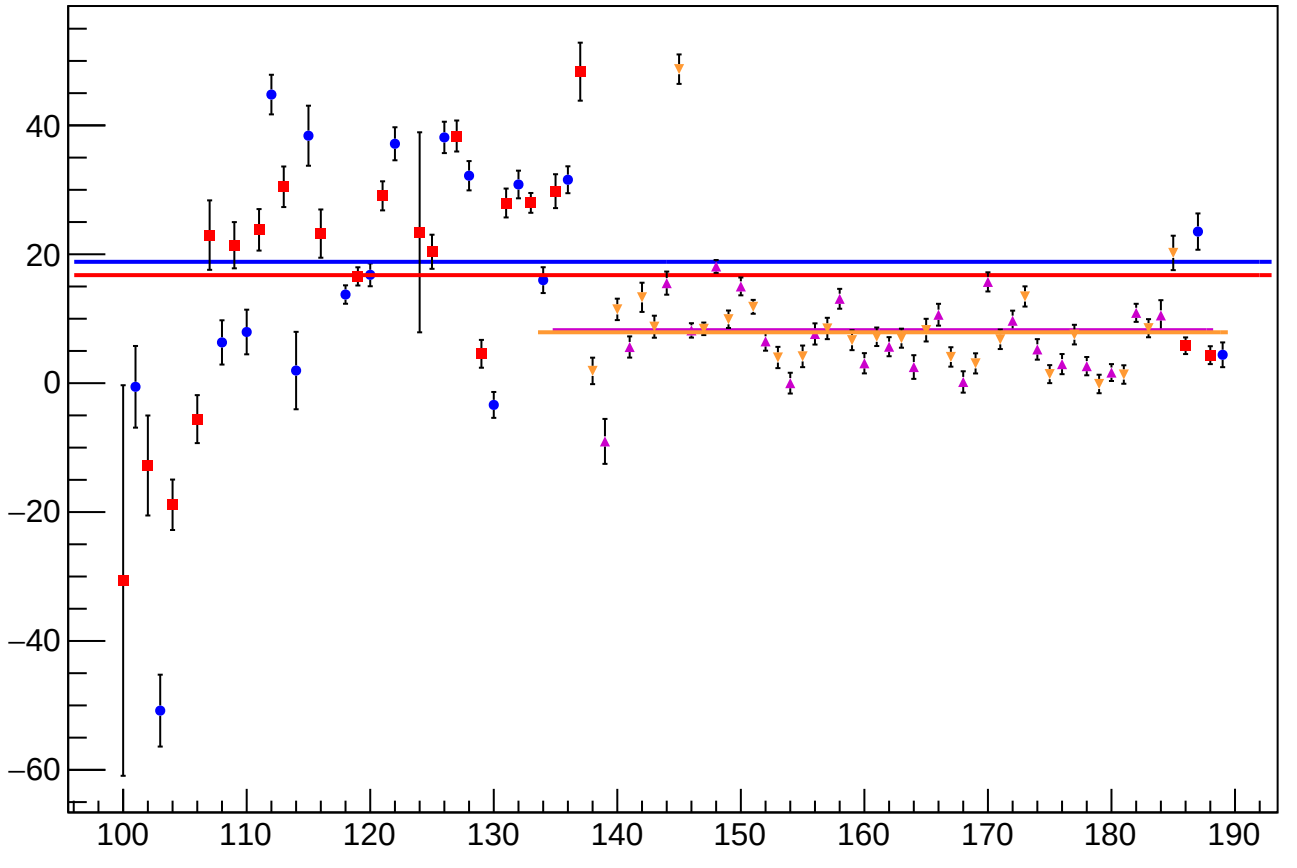
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -51.447+/-0.354 χ^2/NDF: 5551.9/38

In: -39.616+/-0.327 χ^2/NDF:4537.9/40

Out: -39.411+/-0.303 χ^2/NDF:6801.1/45

All: -39.505+/-0.222 χ^2/NDF: 11339.2/86



Right In: 18.829+/-0.571 χ^2/NDF: 699.5/17

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 16.764+/-0.520 χ^2/NDF: 613.9/20

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

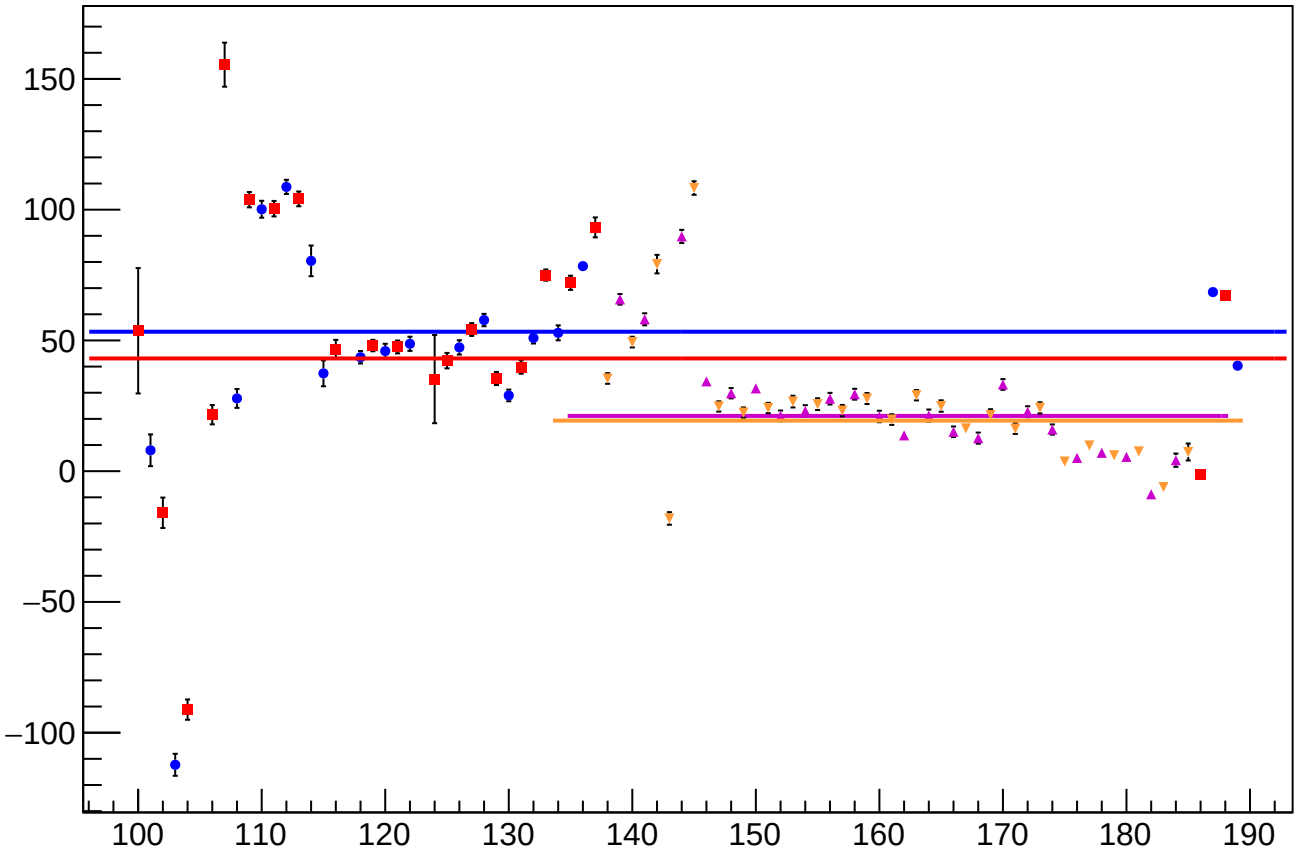
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 17.699+/-0.384 χ^2/NDF: 1320.6/38

In: 10.704+/-0.276 χ^2/NDF:1302.6/40

Out: 10.157+/-0.262 χ^2/NDF:1321.4/45

All: 10.416+/-0.190 χ^2/NDF: 2626.1/86



Right In: 53.328+/-0.575 χ^2/NDF: 2853.0/17

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 43.108+/-0.449 χ^2/NDF: 7007.2/20

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

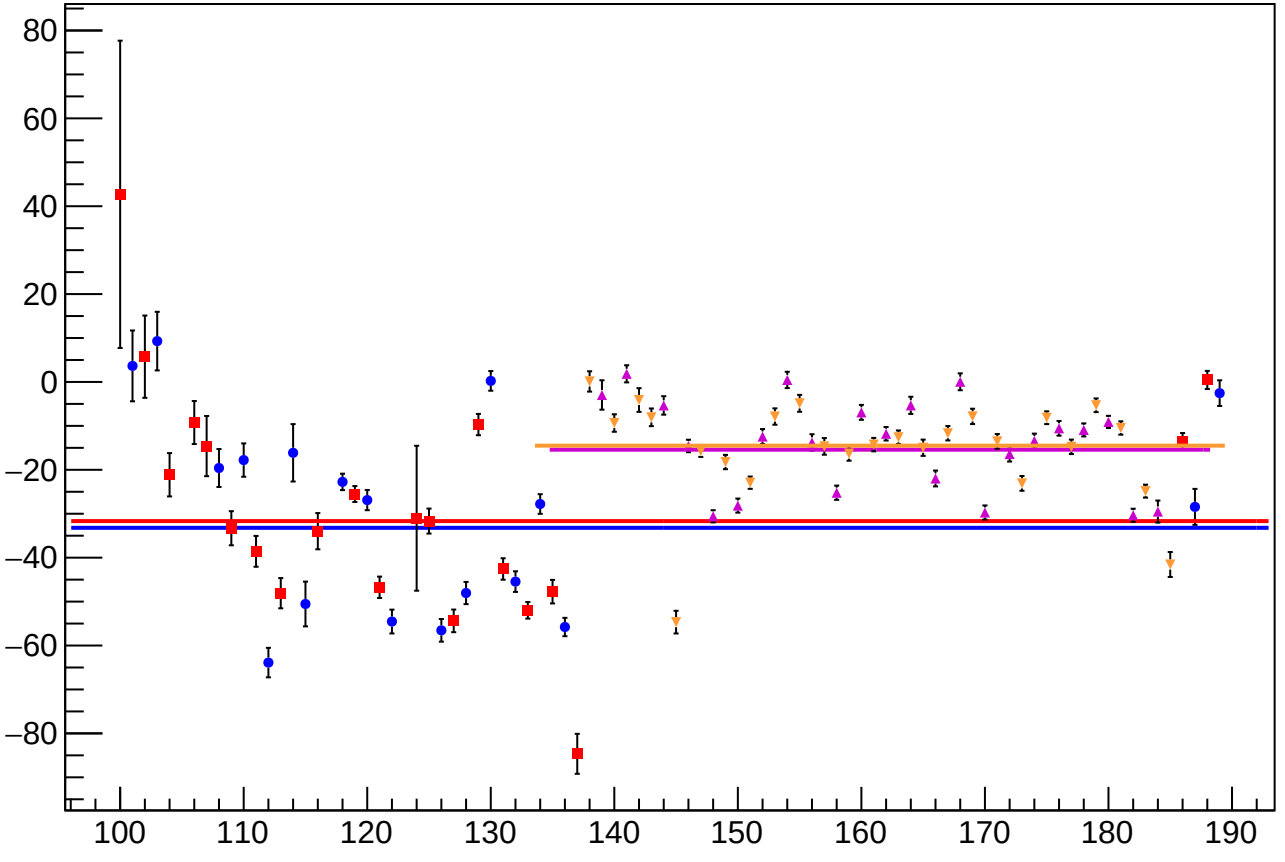
Right: 46.979+/-0.354 χ^2/NDF: 10056.4/38

In: 31.792+/-0.331 χ^2/NDF:7454.8/40

Out: 29.724+/-0.297 χ^2/NDF:11267.0/45

All: 30.646+/-0.221 χ^2/NDF: 18743.5/86

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.203+/-0.672 χ^2/NDF: 892.1/17

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -31.675+/-0.635 χ^2/NDF: 931.0/20

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

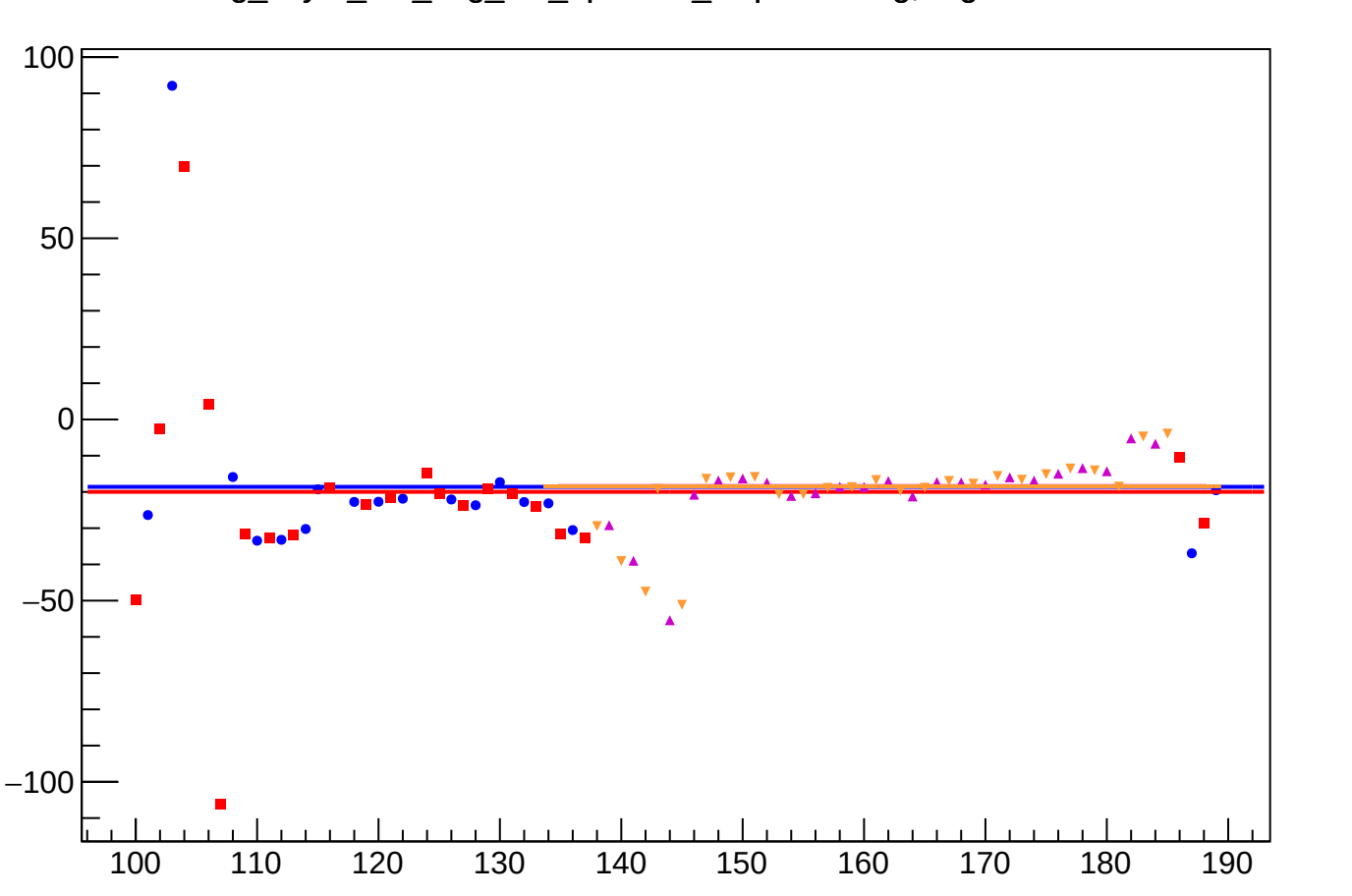
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

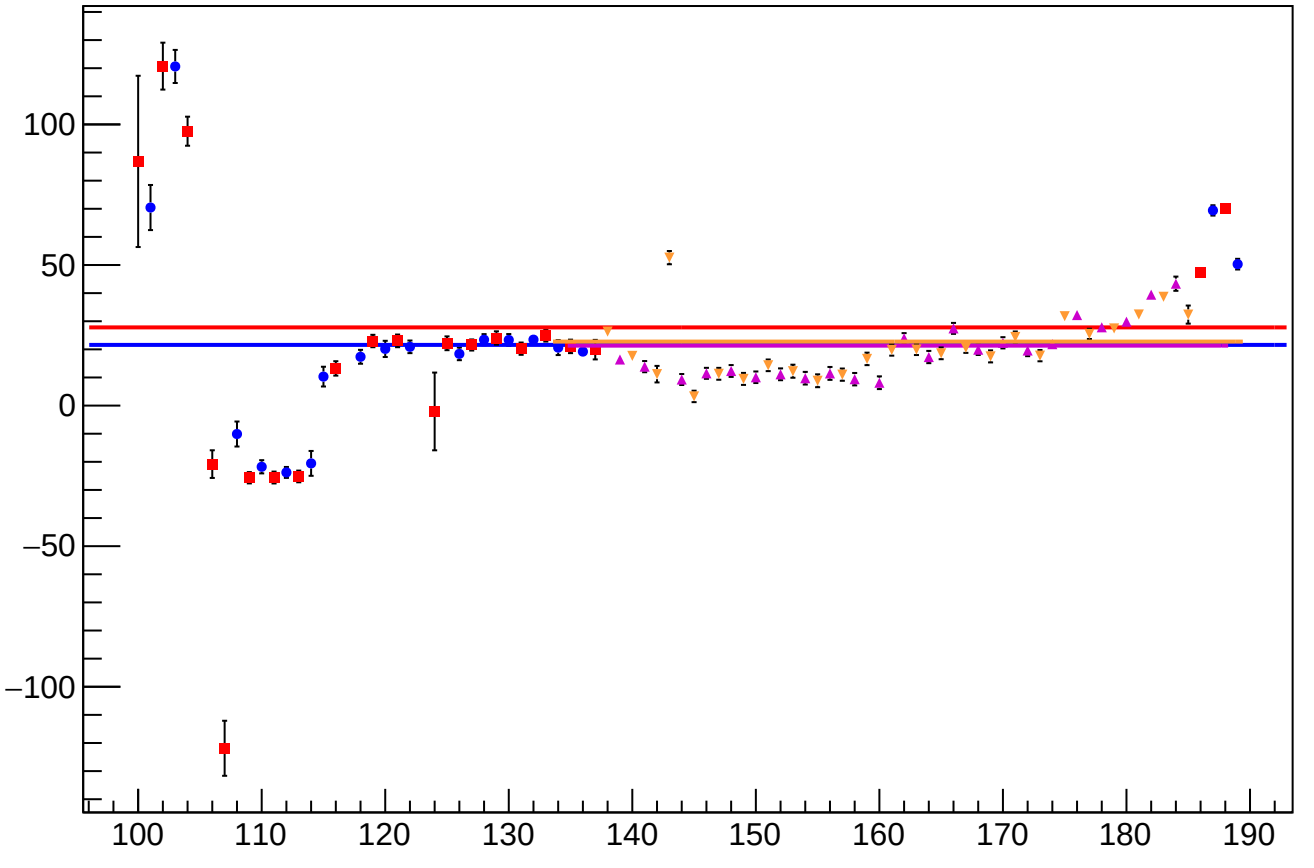
Right: -32.397+/-0.462 χ^2/NDF: 1825.9/38

In: -19.306+/-0.314 χ^2/NDF:2238.8/40

Out: -18.393+/-0.302 χ^2/NDF:2136.9/45

All: -18.833+/-0.218 χ^2/NDF: 4380.1/86


reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: -18.595+/-0.040 χ²/NDF: 433048.1/17
Left Out: -18.450+/-0.015 χ²/NDF:295359.2/24
Right Out: -19.975+/-0.040 χ²/NDF: 357088.6/20
Left In: -18.378+/-0.016 χ²/NDF:250040.9/22
Left: -18.414+/-0.011 χ²/NDF: 545410.6/47
Right: -19.288+/-0.028 χ²/NDF: 790726.0/38
In: -18.407+/-0.015 χ²/NDF:683114.3/40
Out: -18.647+/-0.014 χ²/NDF:653706.7/45
All: -18.529+/-0.010 χ²/NDF: 1336957.5/86



Right In: 21.587+/-0.557 χ^2/NDF: 2270.2/17

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 27.812+/-0.493 χ^2/NDF: 4509.6/20

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

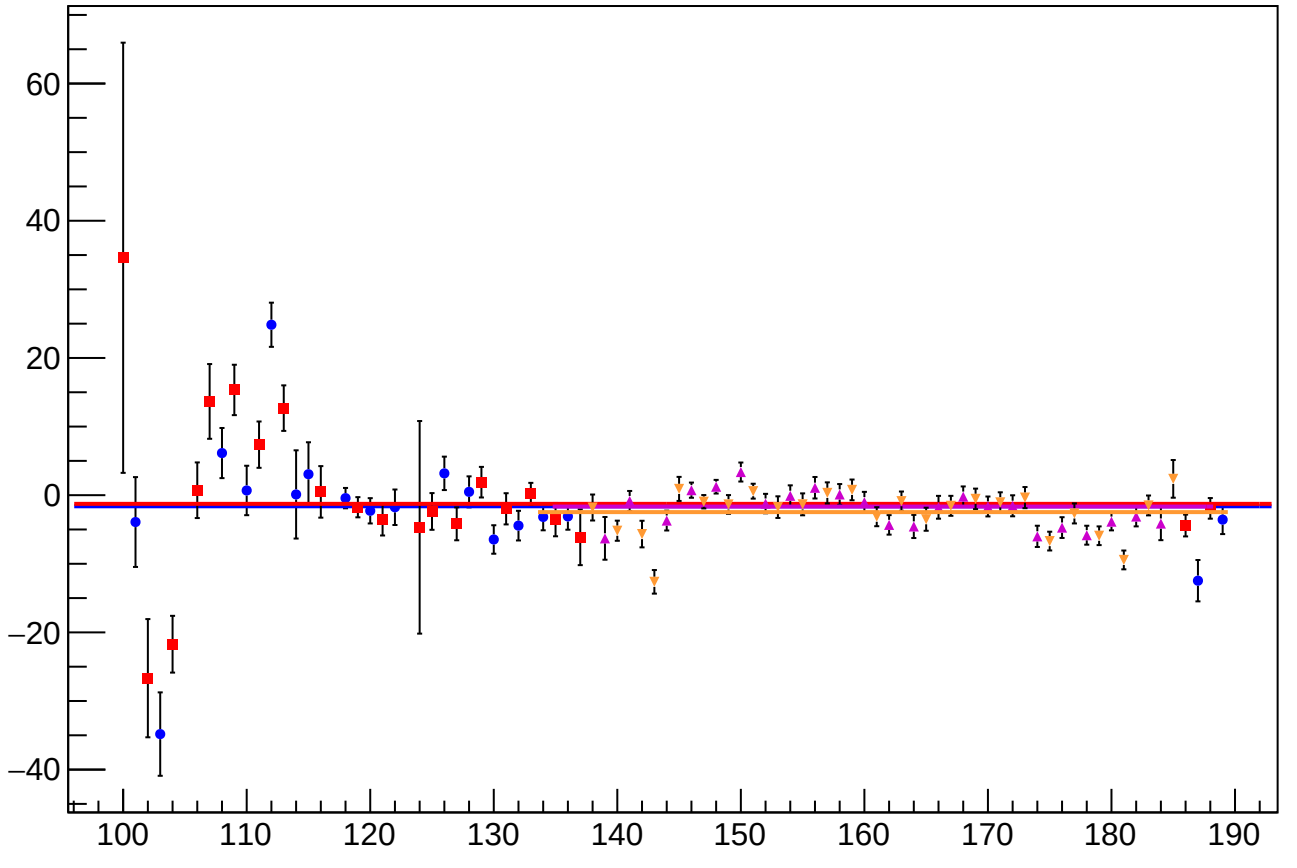
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 25.081+/-0.369 χ^2/NDF: 6849.8/38

In: 21.412+/-0.321 χ^2/NDF:2900.3/40

Out: 24.664+/-0.302 χ^2/NDF:5297.8/45

All: 23.136+/-0.220 χ^2/NDF: 8252.5/86



Right In: -1.619+/-0.583 χ^2/NDF: 131.2/17

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.265+/-0.549 χ^2/NDF: 99.3/20

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

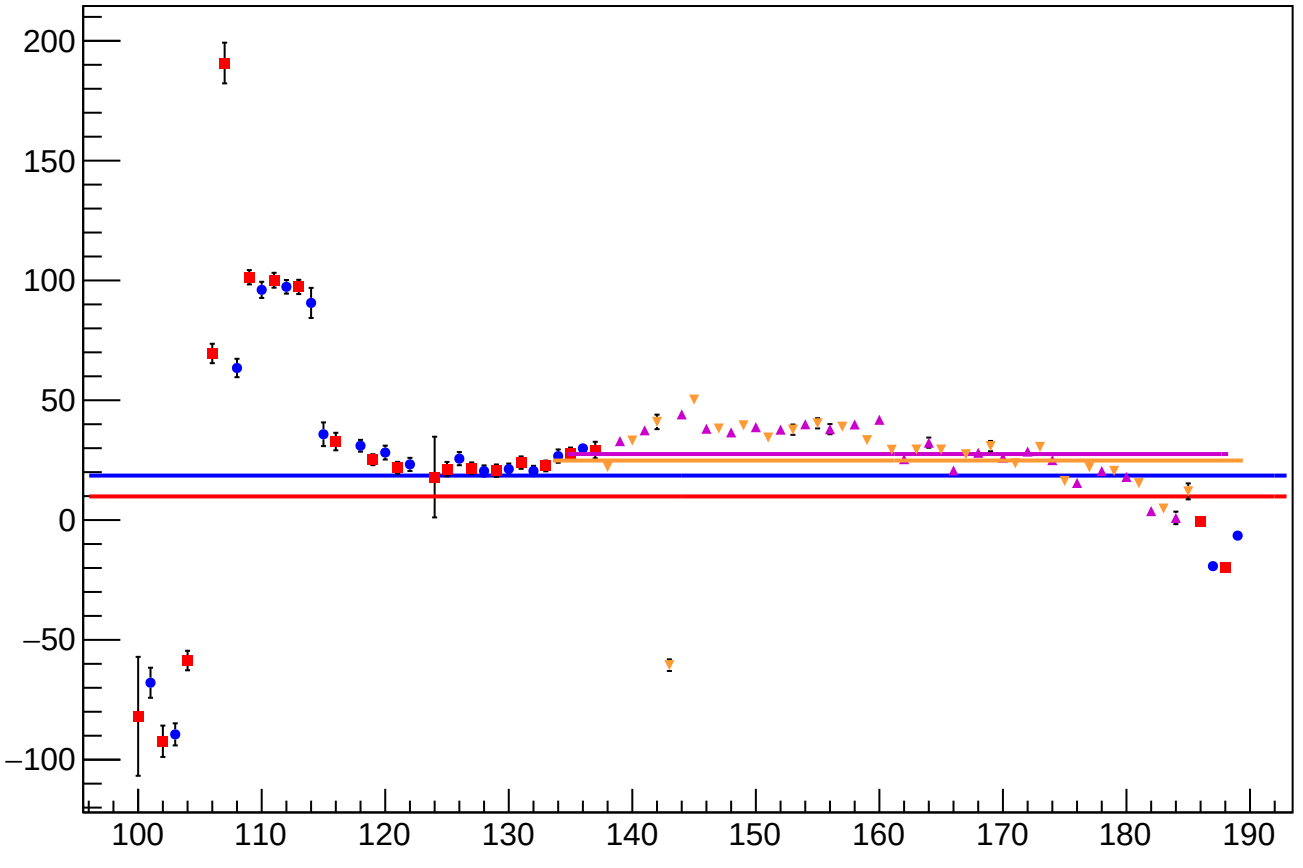
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.432+/-0.400 χ^2/NDF: 230.7/38

In: -1.651+/-0.270 χ^2/NDF:201.4/40

Out: -2.202+/-0.259 χ^2/NDF:219.7/45

All: -1.938+/-0.187 χ^2/NDF: 423.3/86



Right In: 18.565+/-0.592 χ^2/NDF: 3279.1/17

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.868+/-0.486 χ^2/NDF: 5443.8/20

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

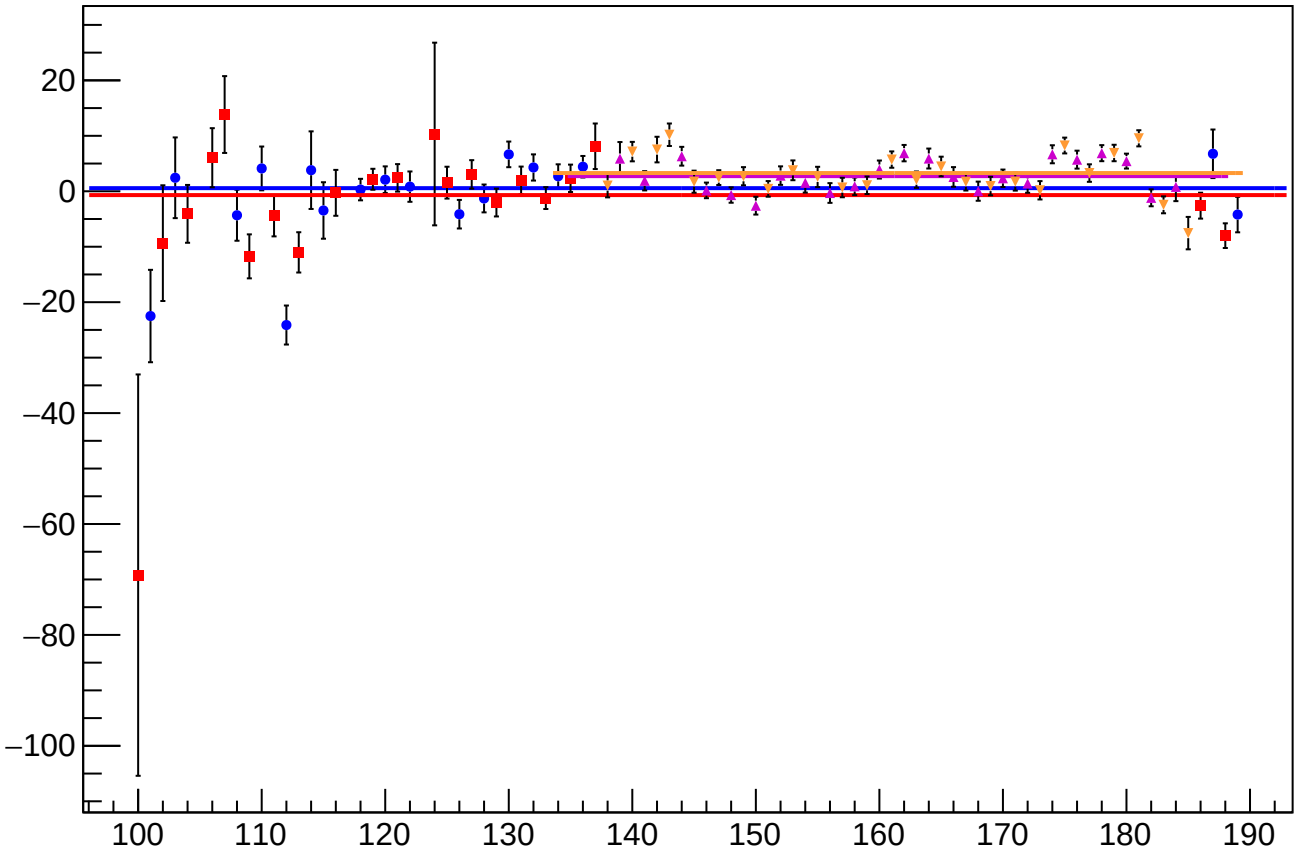
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 13.375+/-0.376 χ^2/NDF: 8851.8/38

In: 24.841+/-0.325 χ^2/NDF:4322.0/40

Out: 19.177+/-0.299 χ^2/NDF:8081.8/45

All: 21.777+/-0.220 χ^2/NDF: 12568.1/86



Right In: 0.562+/-0.680 χ^2/NDF: 82.7/17

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -0.689+/-0.662 χ^2/NDF: 53.7/20

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

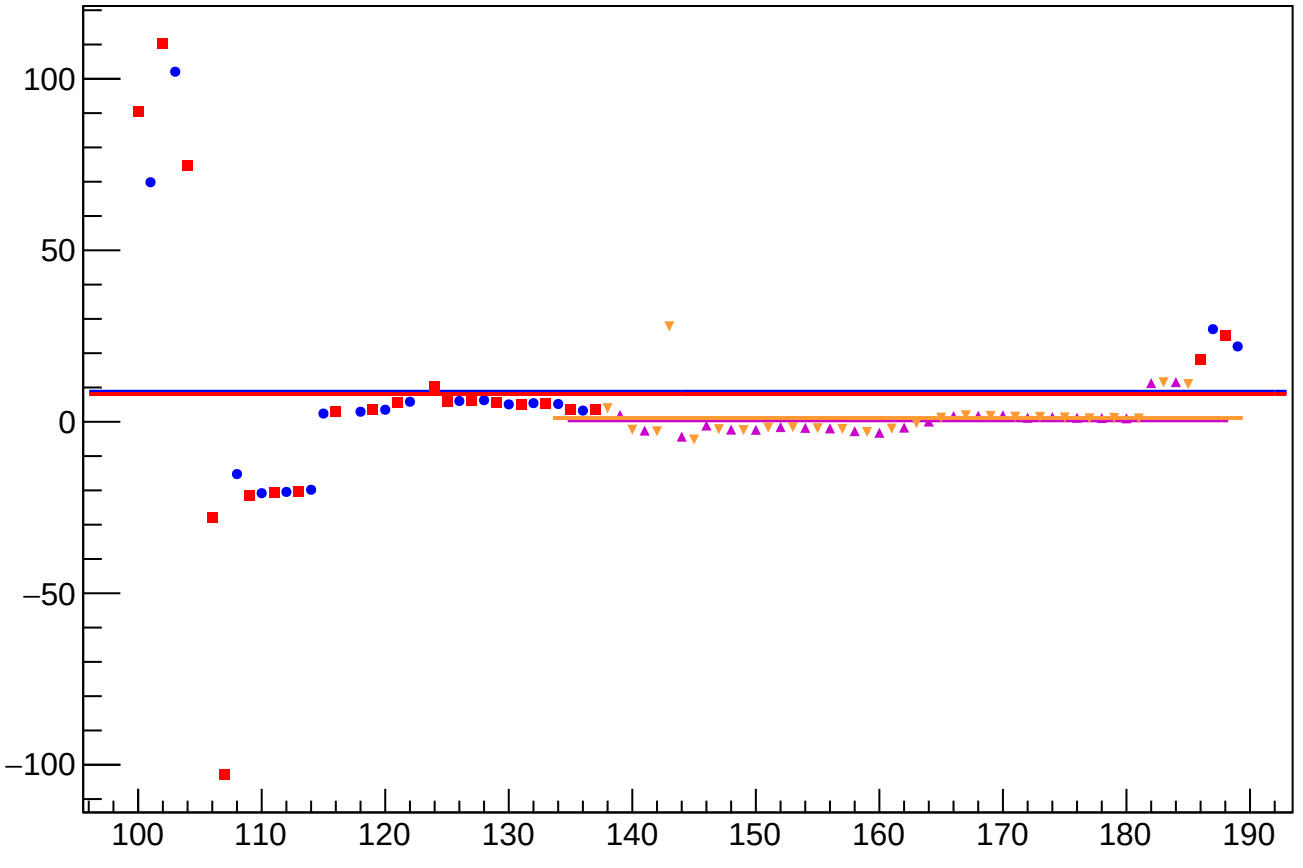
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -0.080+/-0.474 χ^2/NDF: 138.1/38

In: 2.292+/-0.306 χ^2/NDF:165.3/40

Out: 2.491+/-0.296 χ^2/NDF:188.8/45

All: 2.394+/-0.213 χ^2/NDF: 354.3/86



Right In: 8.753+/-0.040 χ^2/NDF: 338346.3/17

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 8.110+/-0.041 χ^2/NDF: 470535.4/20

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

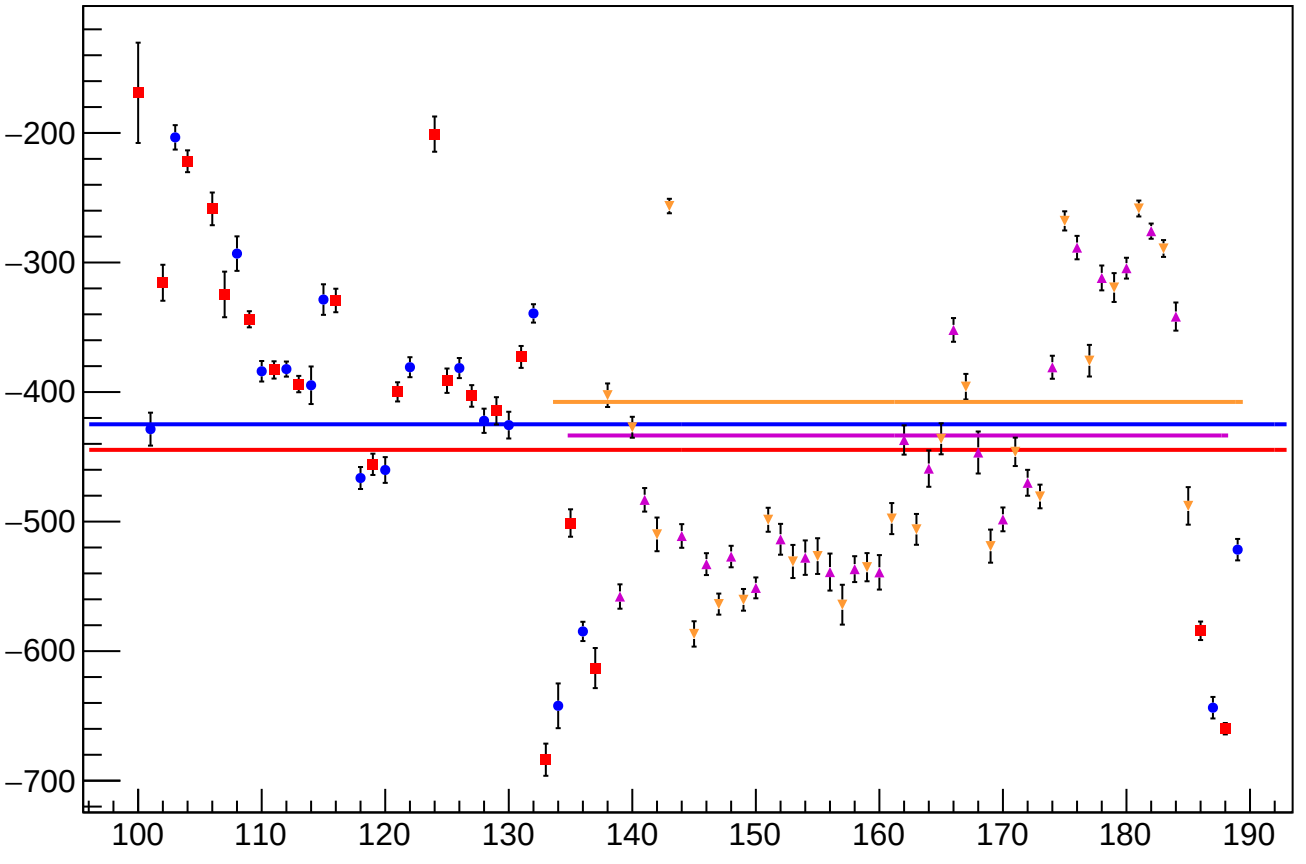
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 8.439+/-0.029 χ^2/NDF: 809006.0/38

In: 1.466+/-0.014 χ^2/NDF:429154.3/40

Out: 1.898+/-0.014 χ^2/NDF:624958.1/45

All: 1.685+/-0.010 χ^2/NDF: 1054585.4/86



Right In: -424.887+/-2.089 χ^2/NDF: 2499.3/17

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -444.630+/-1.847 χ^2/NDF: 5470.9/20

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

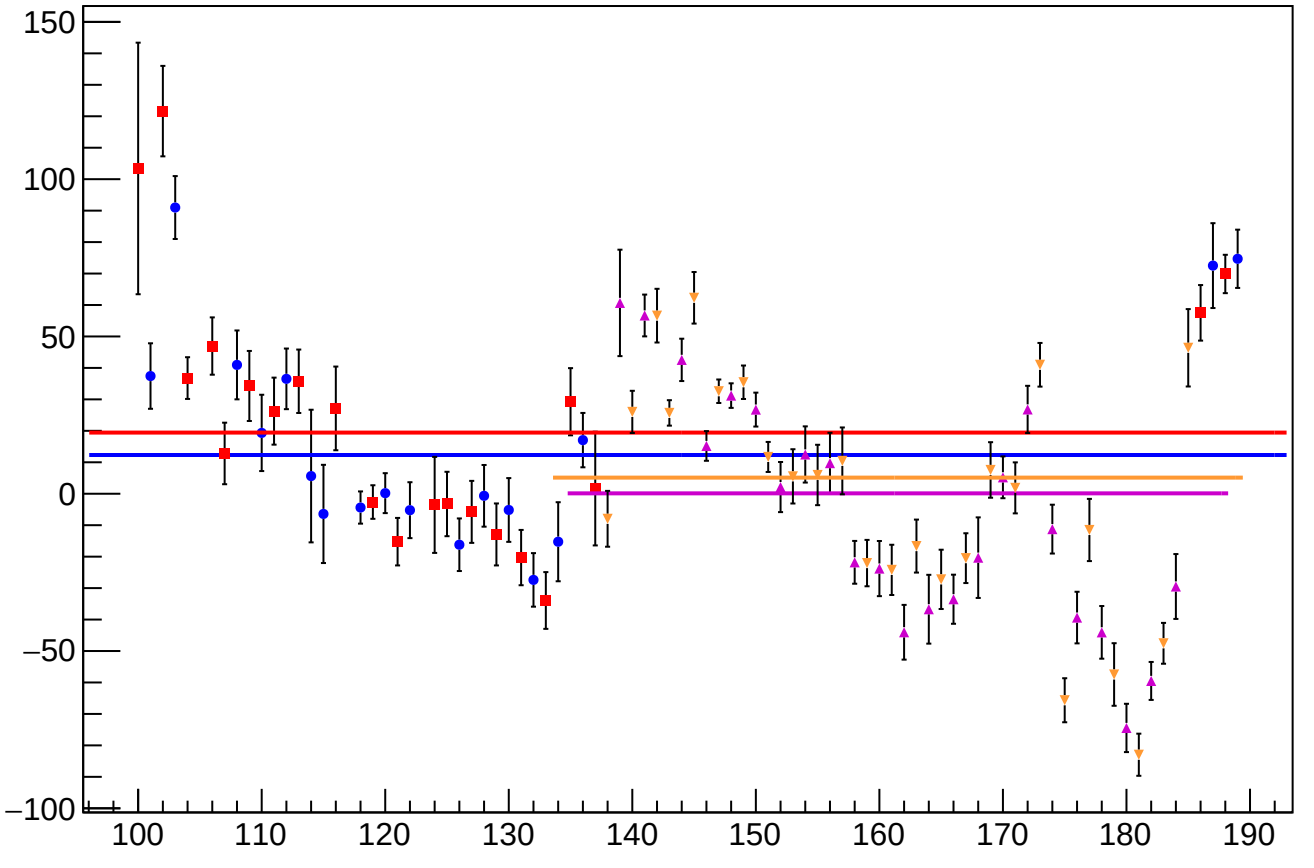
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -435.967+/-1.384 χ^2/NDF: 8020.3/38

In: -429.411+/-1.442 χ^2/NDF:5232.8/40

Out: -426.329+/-1.313 χ^2/NDF:9675.0/45

All: -427.727+/-0.971 χ^2/NDF: 14910.2/86



Right In: 12.314+/-2.171 χ^2/NDF: 209.5/17

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 19.442+/-2.013 χ^2/NDF: 283.4/20

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

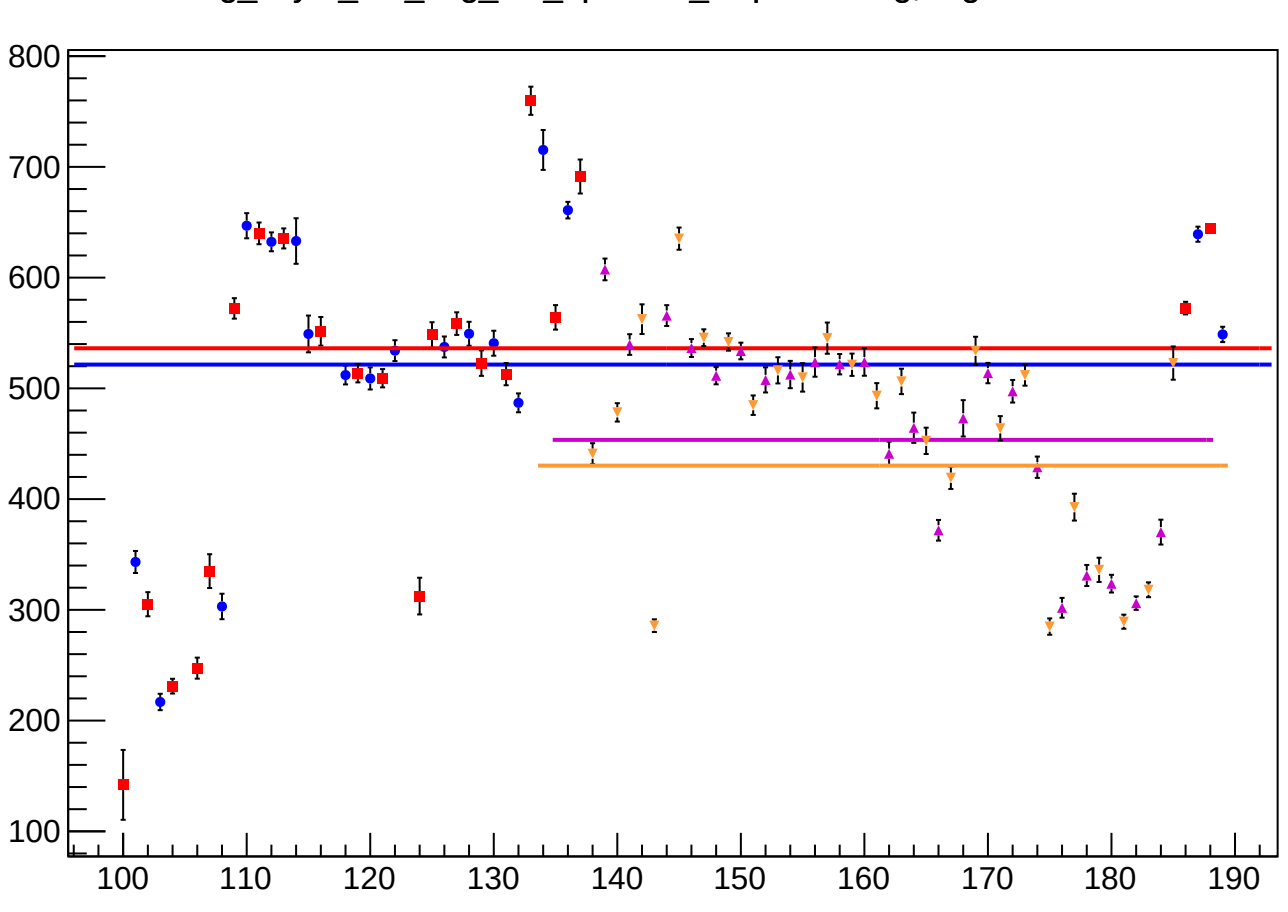
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 16.147+/-1.476 χ^2/NDF: 498.6/38

In: 4.025+/-1.228 χ^2/NDF:799.5/40

Out: 9.698+/-1.137 χ^2/NDF:1007.0/45

All: 7.079+/-0.834 χ^2/NDF: 1817.9/86



Right In: 521.476+/-2.218 χ^2/NDF: 3508.3/17

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 536.204+/-1.874 χ^2/NDF: 5677.3/20

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

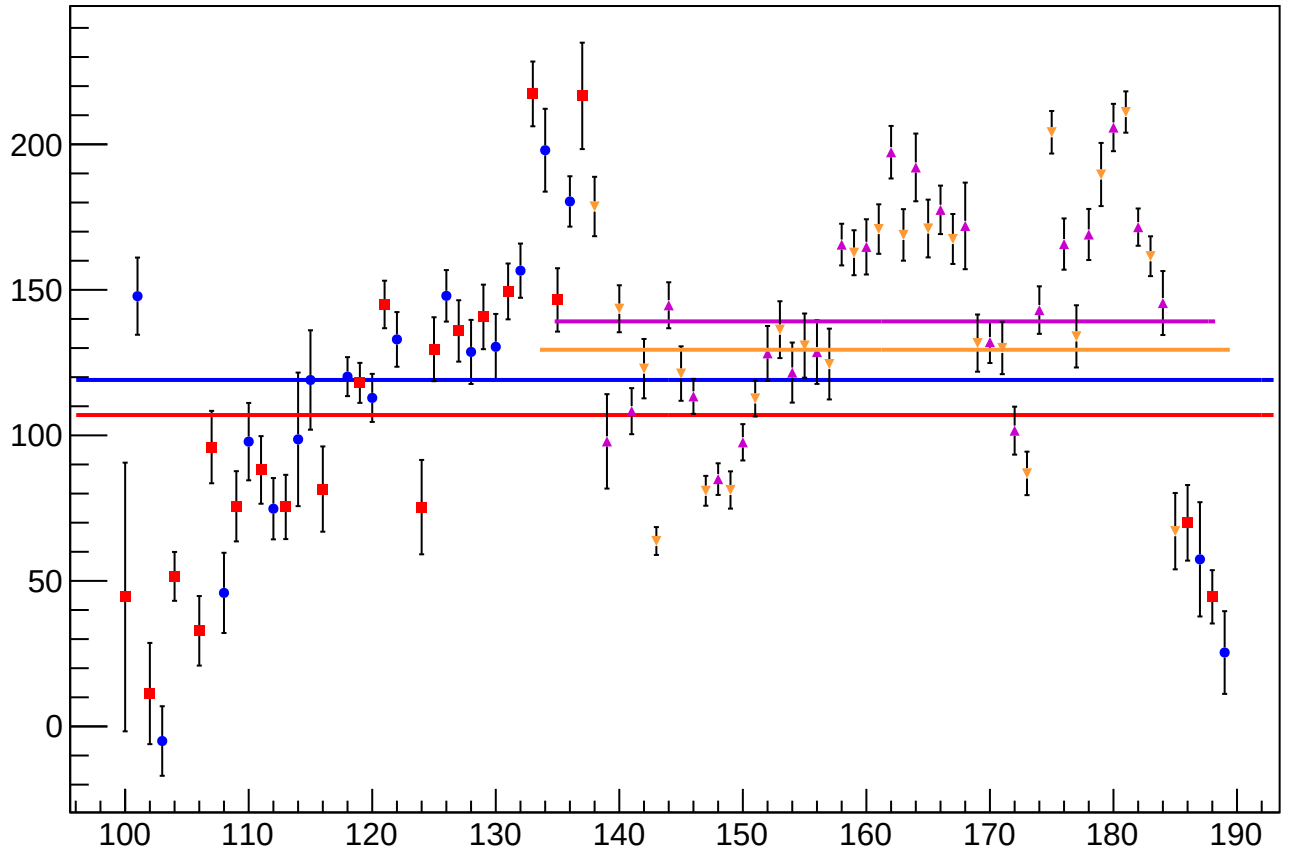
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 530.069+/-1.431 χ^2/NDF: 9211.3/38

In: 483.545+/-1.474 χ^2/NDF:6452.2/40

Out: 482.862+/-1.320 χ^2/NDF:10692.3/45

All: 483.166+/-0.984 χ^2/NDF: 17144.7/86



Right In: 119.041+/-2.561 χ^2/NDF: 327.3/17

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 106.992+/-2.409 χ^2/NDF: 406.4/20

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

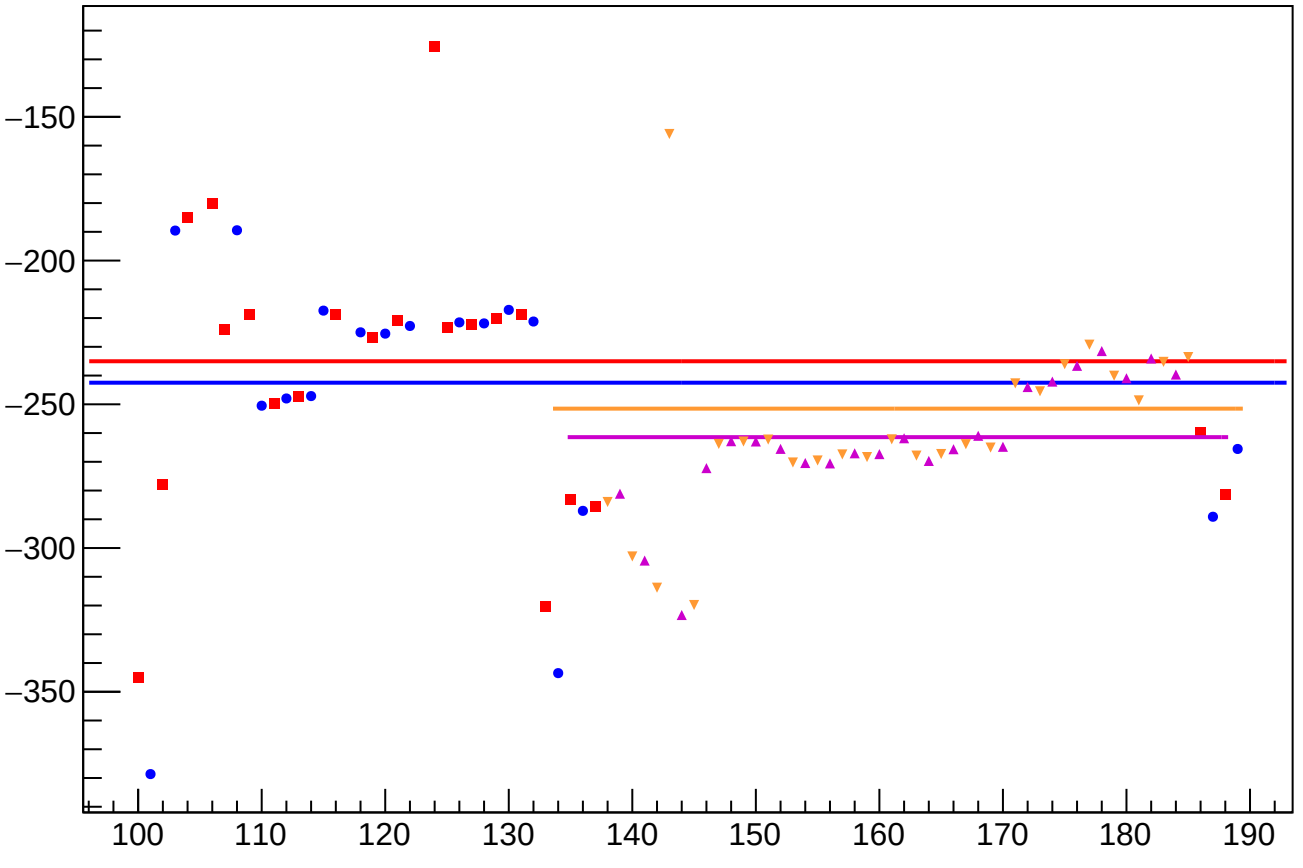
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 112.649+/-1.755 χ^2/NDF: 745.5/38

In: 132.985+/-1.419 χ^2/NDF:804.3/40

Out: 122.599+/-1.329 χ^2/NDF:1281.0/45

All: 127.450+/-0.970 χ^2/NDF: 2113.8/86



Right In: -242.484+/-0.146 χ^2/NDF: 137365.5/17

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -235.024+/-0.139 χ^2/NDF: 94296.1/20

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

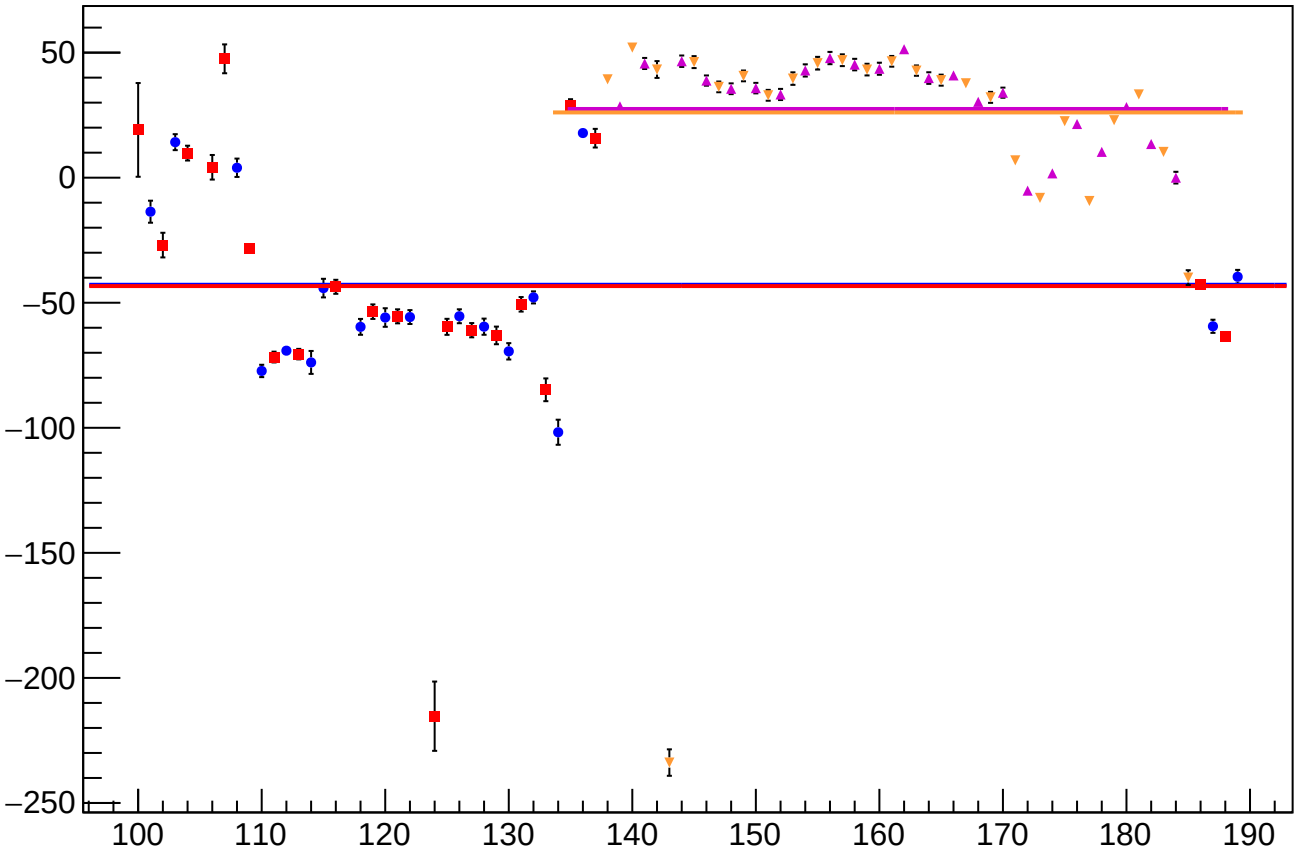
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -238.574+/-0.100 χ^2/NDF: 233038.2/38

In: -257.210+/-0.069 χ^2/NDF:220086.3/40

Out: -247.810+/-0.066 χ^2/NDF:360176.5/45

All: -252.302+/-0.047 χ^2/NDF: 590047.0/86



Right In: -42.822+/-0.676 χ^2/NDF: 2448.6/17

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -43.335+/-0.580 χ^2/NDF: 2693.8/20

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

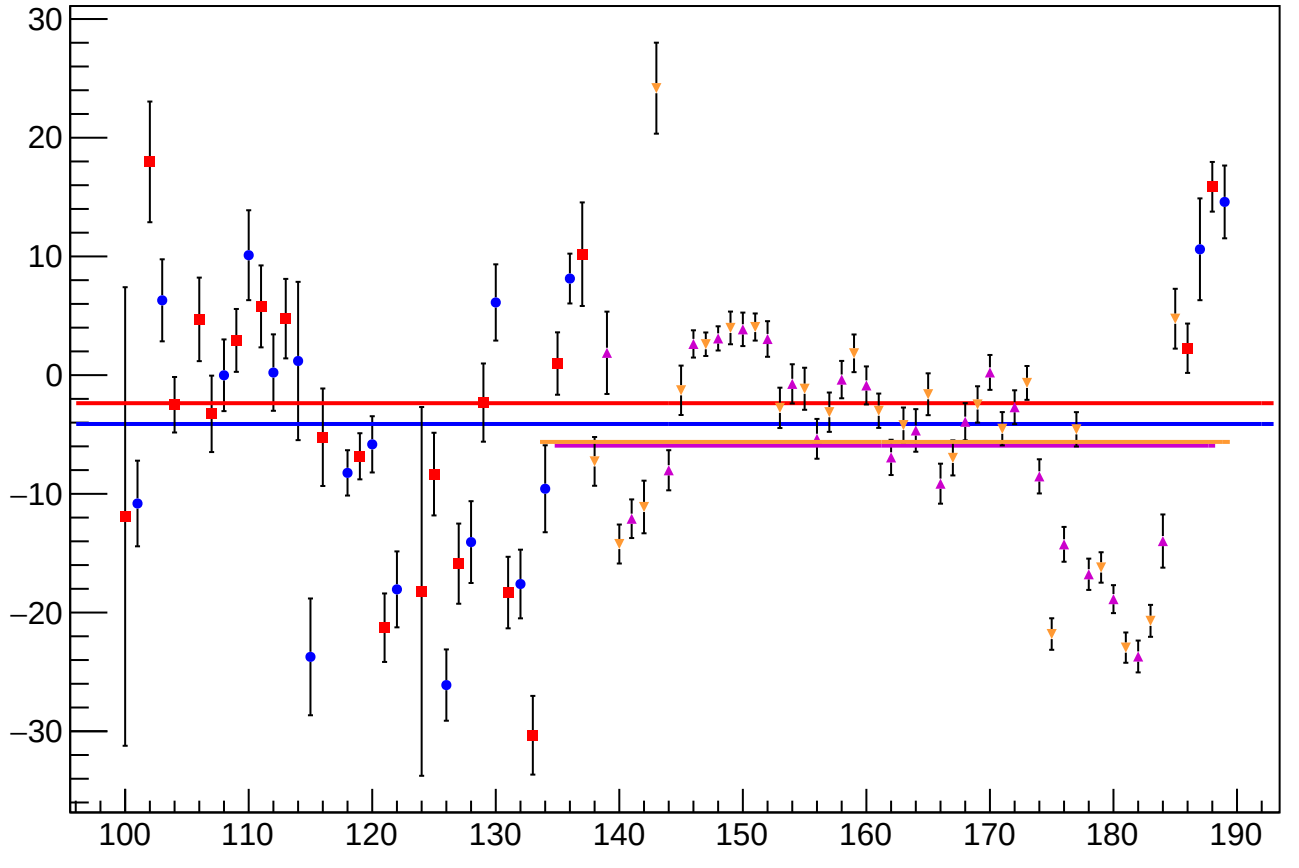
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -43.118+/-0.440 χ^2/NDF: 5142.7/38

In: 9.523+/-0.342 χ^2/NDF:12108.5/40

Out: 4.507+/-0.324 χ^2/NDF:17344.1/45

All: 6.879+/-0.235 χ^2/NDF: 29566.3/86



Right In: -4.115+/-0.721 χ^2/NDF: 250.1/17

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -2.363+/-0.661 χ^2/NDF: 293.1/20

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

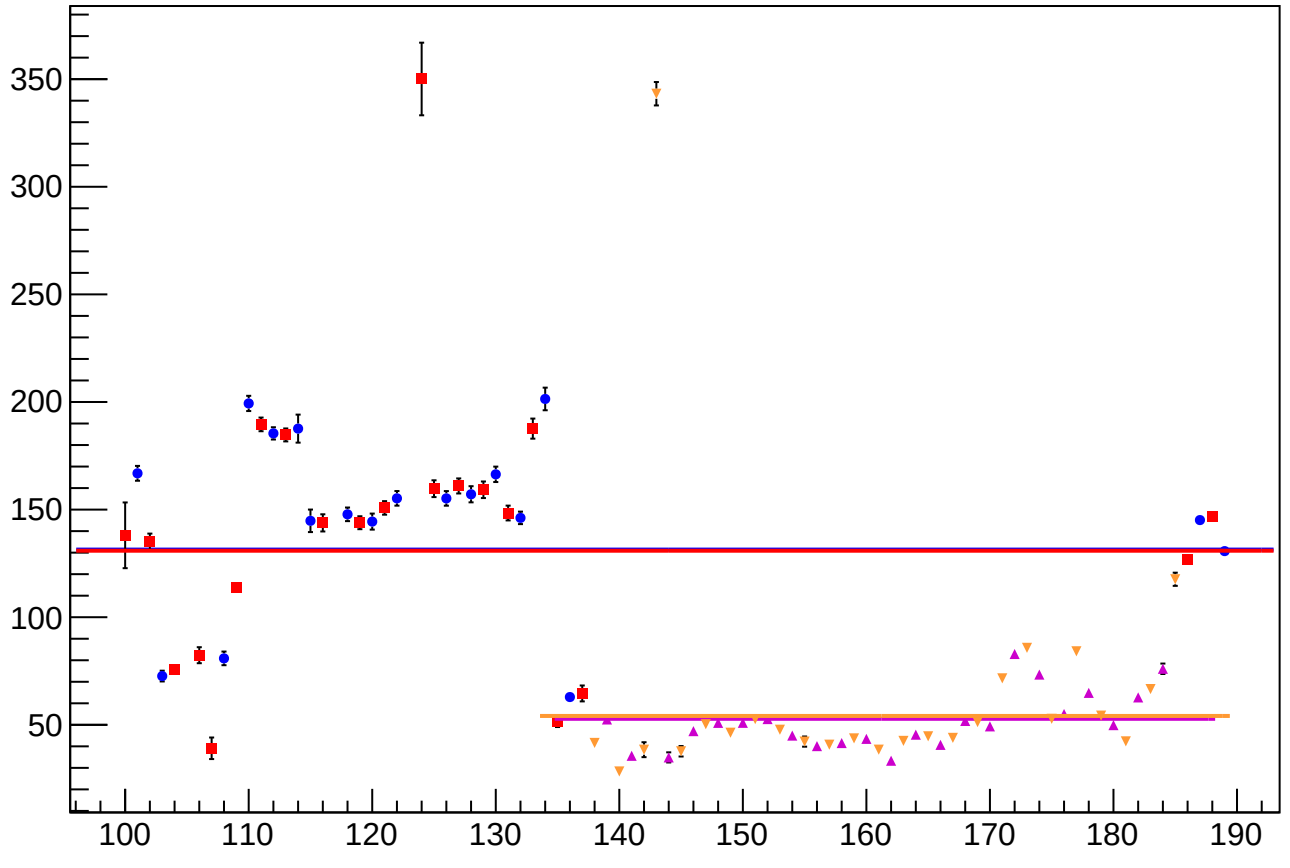
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -3.164+/-0.487 χ^2/NDF: 546.5/38

In: -5.657+/-0.284 χ^2/NDF:967.8/40

Out: -5.063+/-0.275 χ^2/NDF:1206.6/45

All: -5.350+/-0.197 χ^2/NDF: 2176.6/86



Right In: 131.420+/-0.715 χ^2/NDF: 3669.8/17

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 130.903+/-0.592 χ^2/NDF: 3736.0/20

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

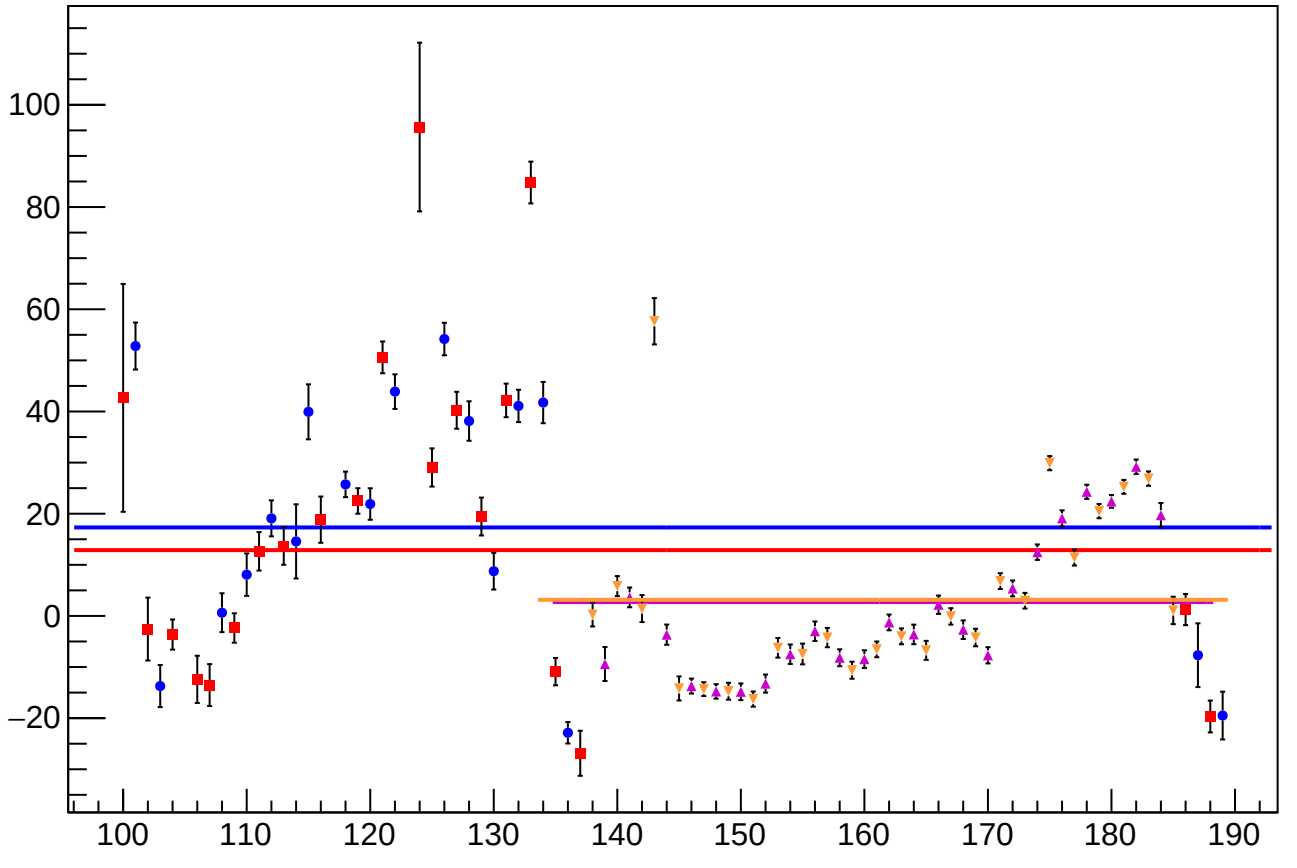
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 131.113+/-0.456 χ^2/NDF: 7406.1/38

In: 71.015+/-0.344 χ^2/NDF:13940.7/40

Out: 77.113+/-0.324 χ^2/NDF:20096.8/45

All: 74.246+/-0.236 χ^2/NDF: 34203.9/86



Right In: 17.314+/-0.838 χ^2/NDF: 940.1/17

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 12.876+/-0.789 χ^2/NDF: 1080.1/20

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

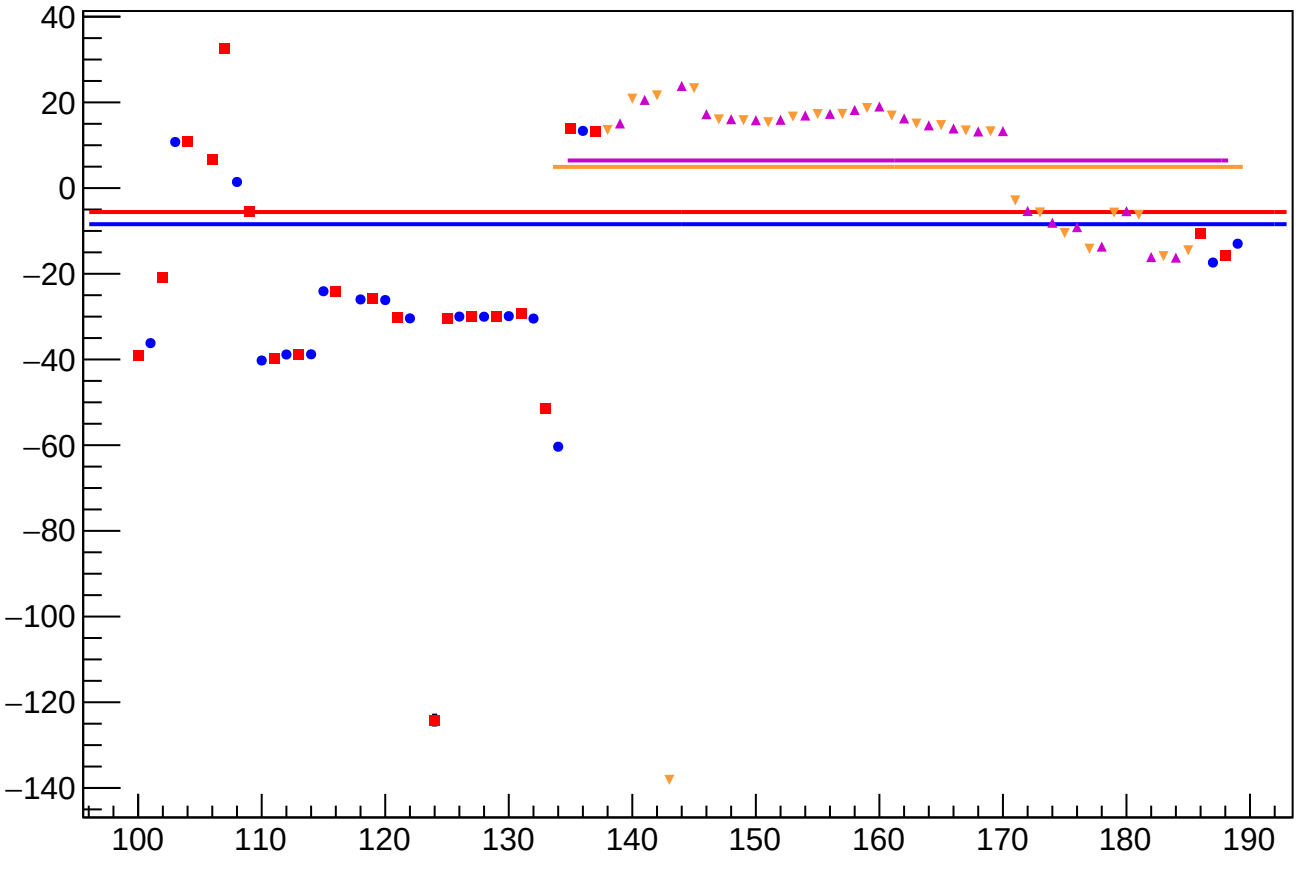
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 14.960+/-0.574 χ^2/NDF: 2035.2/38

In: 4.855+/-0.320 χ^2/NDF:2934.2/40

Out: 4.678+/-0.312 χ^2/NDF:3220.7/45

All: 4.764+/-0.224 χ^2/NDF: 6155.1/86



Right In: -8.427+/-0.044 χ^2/NDF: 269129.5/17

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -5.591+/-0.044 χ^2/NDF: 233648.1/20

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

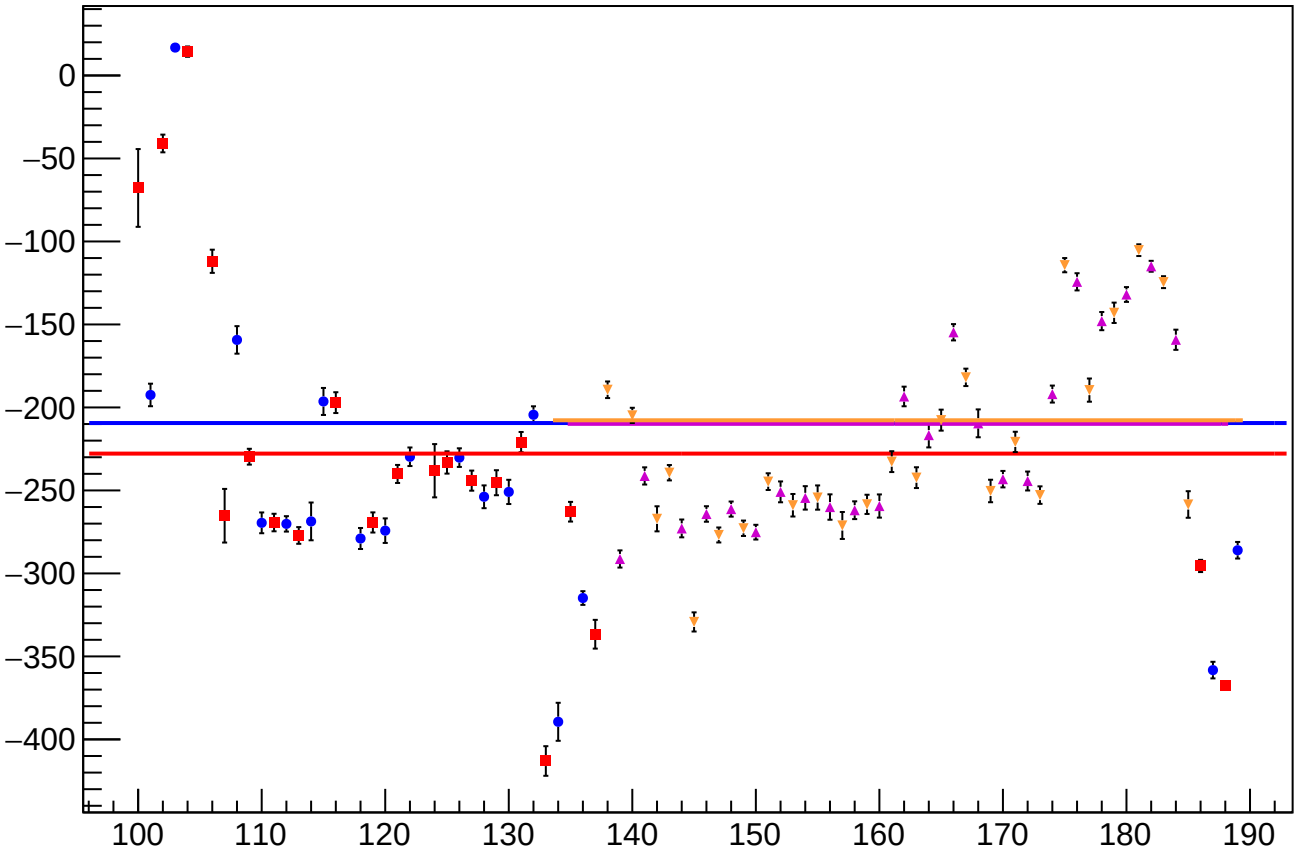
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -6.995+/-0.031 χ^2/NDF: 504843.1/38

In: 4.855+/-0.014 χ^2/NDF:1099296.6/40

Out: 3.816+/-0.014 χ^2/NDF:1421571.6/45

All: 4.331+/-0.010 χ^2/NDF: 2523458.7/86



Right In: -209.399+/-1.316 χ^2/NDF: 8511.6/17

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -227.814+/-1.166 χ^2/NDF: 11577.5/20

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

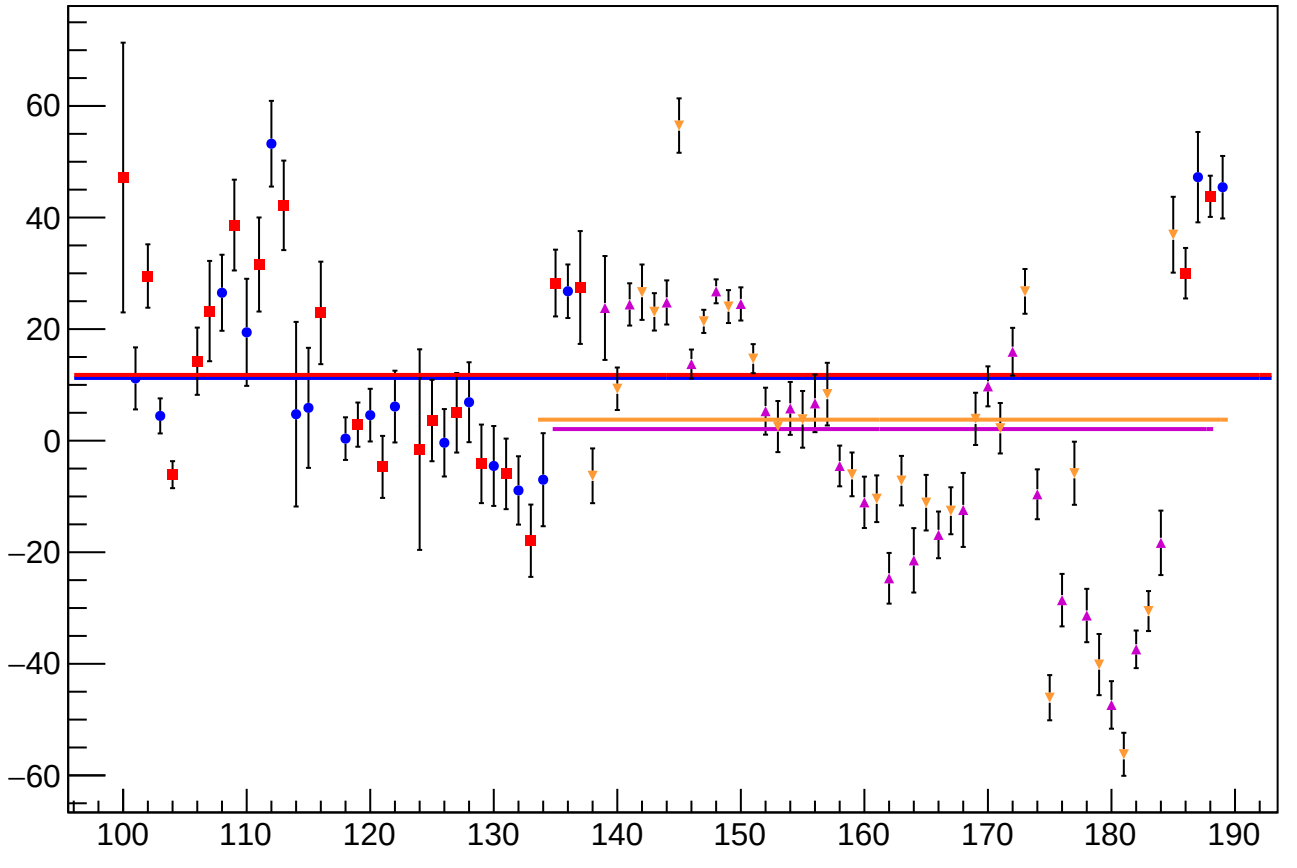
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -219.721+/-0.873 χ^2/NDF: 20198.8/38

In: -209.679+/-0.845 χ^2/NDF:11523.6/40

Out: -216.920+/-0.788 χ^2/NDF:15225.5/45

All: -213.550+/-0.576 χ^2/NDF: 26788.4/86



Right In: 11.246+/-1.373 χ^2/NDF: 143.5/17

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 11.787+/-1.225 χ^2/NDF: 252.5/20

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

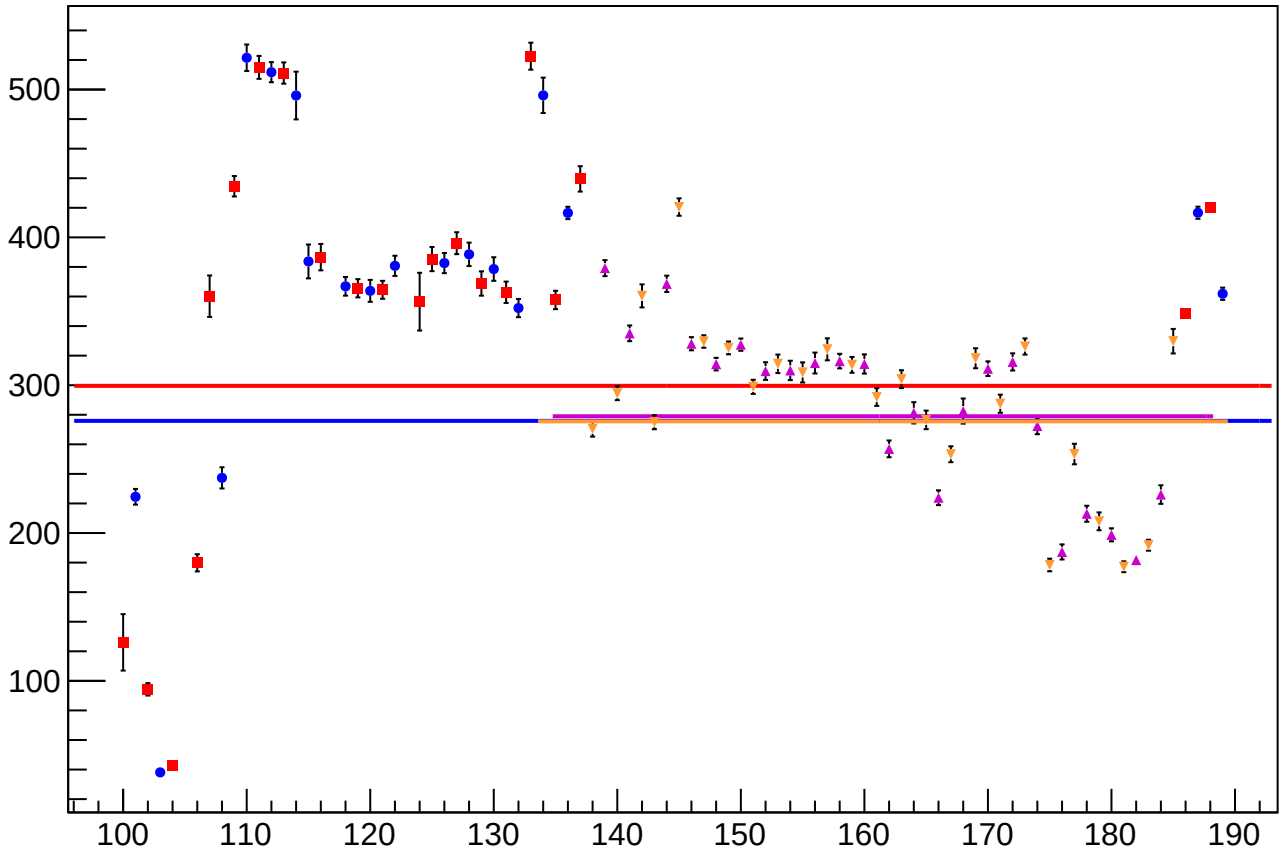
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 11.547+/-0.914 χ^2/NDF: 396.1/38

In: 4.490+/-0.704 χ^2/NDF:946.5/40

Out: 6.113+/-0.662 χ^2/NDF:1254.9/45

All: 5.351+/-0.482 χ^2/NDF: 2204.3/86



Right In: 275.868+/-1.278 χ^2/NDF: 17265.3/17

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 299.567+/-1.093 χ^2/NDF: 21049.6/20

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

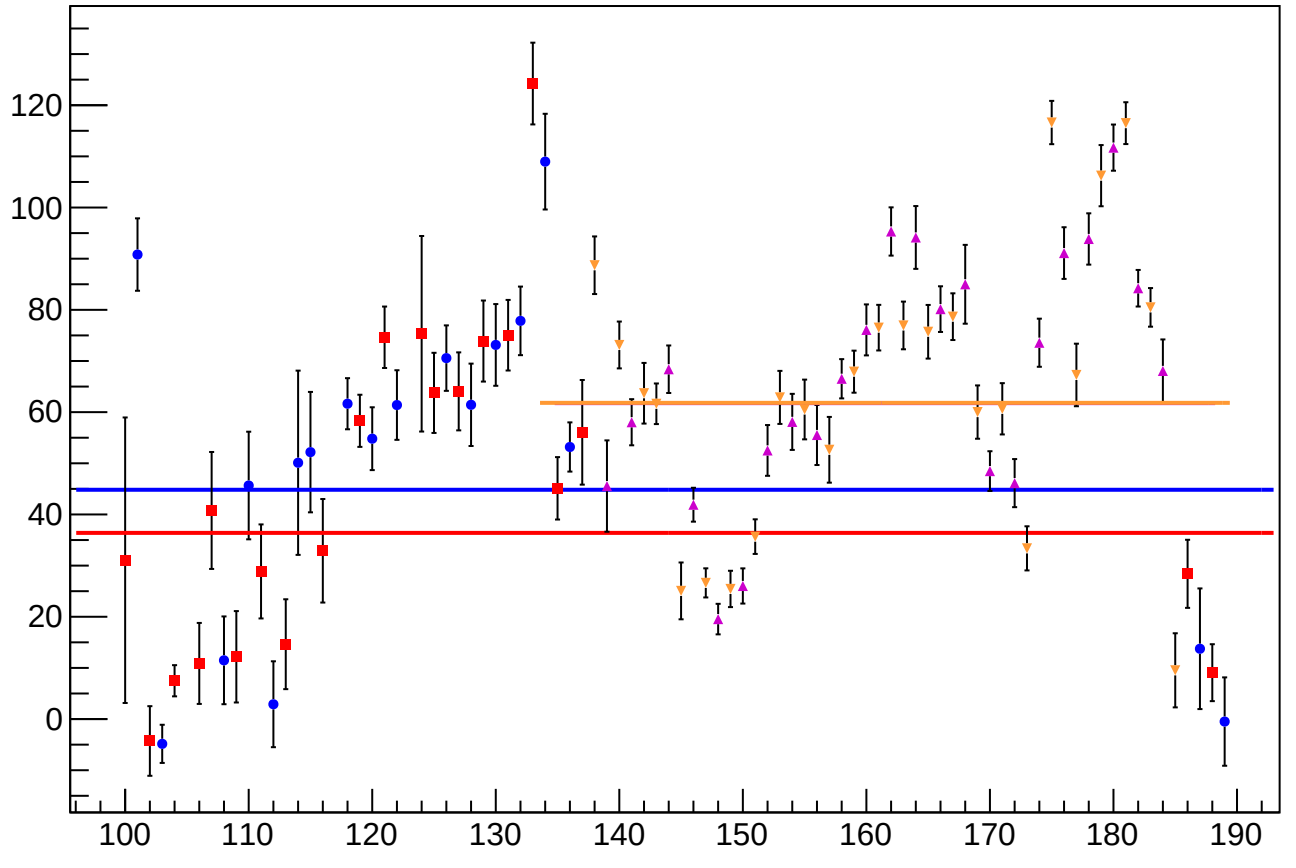
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 289.562+/-0.831 χ^2/NDF: 38513.5/38

In: 277.677+/-0.829 χ^2/NDF:20383.4/40

Out: 287.208+/-0.762 χ^2/NDF:24621.5/45

All: 282.846+/-0.561 χ^2/NDF: 45076.6/86



Right In: 44.826+/-1.622 χ^2/NDF: 421.7/17

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 36.397+/-1.495 χ^2/NDF: 444.9/20

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

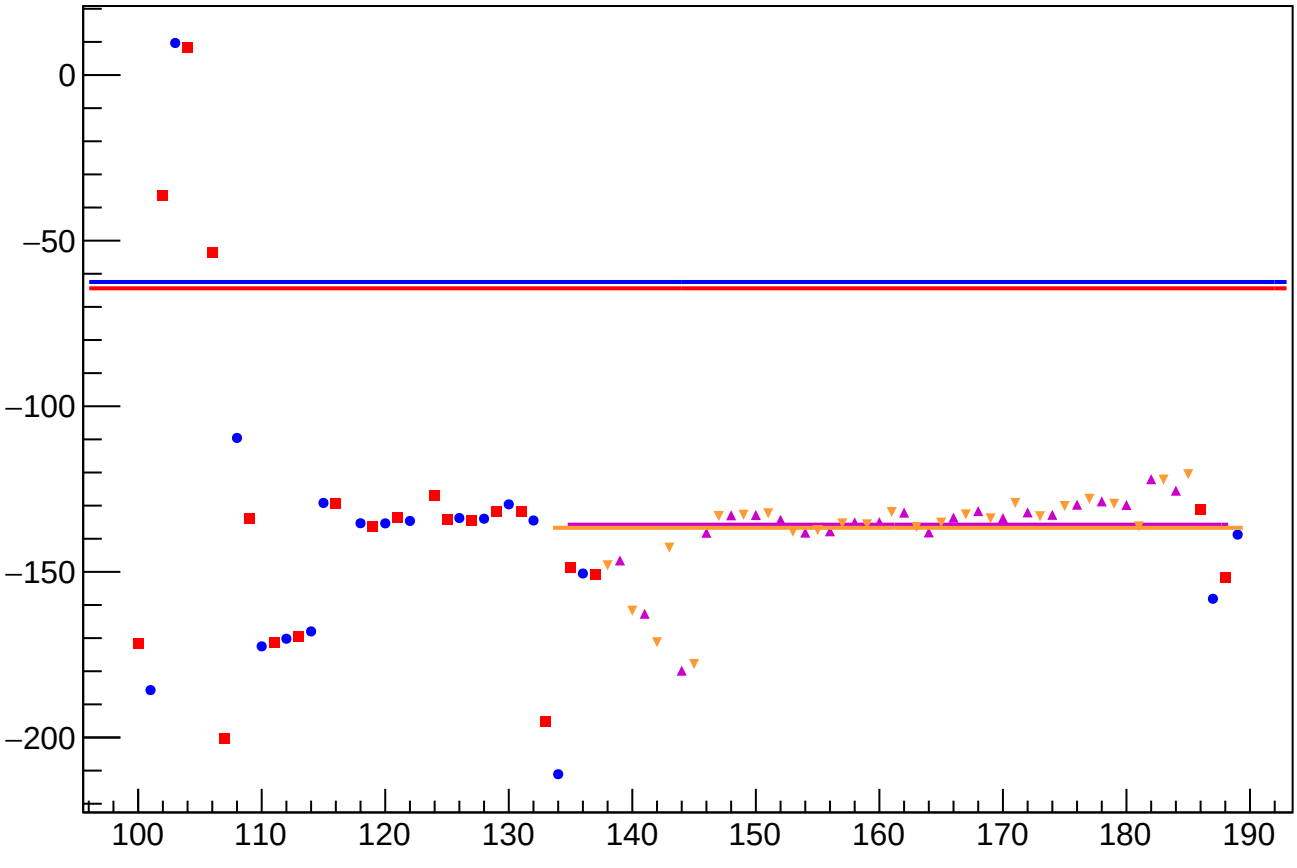
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 40.268+/-1.099 χ^2/NDF: 881.2/38

In: 57.514+/-0.812 χ^2/NDF:1239.4/40

Out: 54.972+/-0.776 χ^2/NDF:1615.7/45

All: 56.184+/-0.561 χ^2/NDF: 2860.2/86



Right In: -62.480+/-0.071 χ^2/NDF: 1284675.0/17

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -64.393+/-0.071 χ^2/NDF: 983121.6/20

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

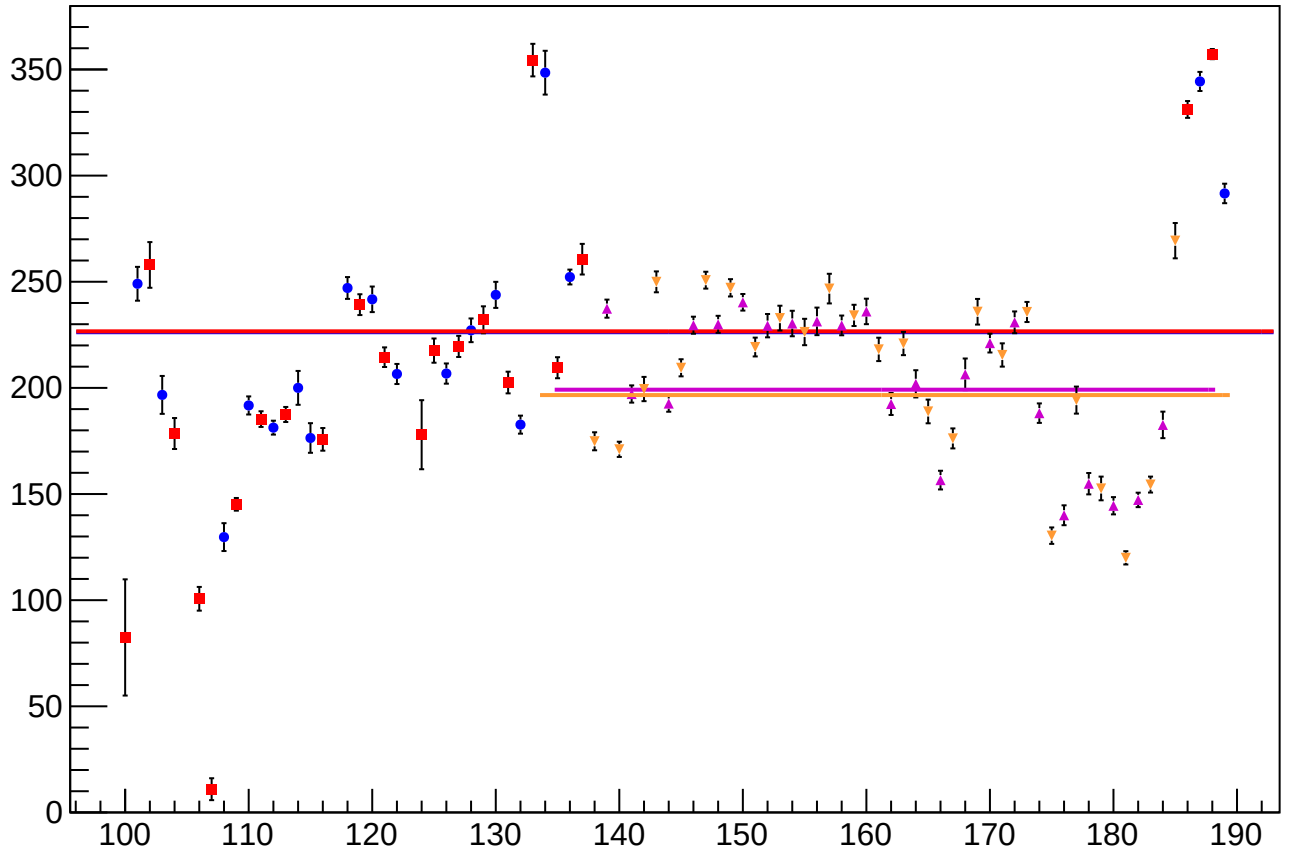
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -63.434+/-0.050 χ^2/NDF: 2268157.5/38

In: -116.251+/-0.037 χ^2/NDF:2127881.1/40

Out: -117.909+/-0.036 χ^2/NDF:1823141.8/45

All: -117.087+/-0.026 χ^2/NDF: 3952054.2/86



Right In: 226.220+/-1.202 χ^2/NDF: 1810.0/17

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 226.640+/-1.031 χ^2/NDF: 7456.6/20

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

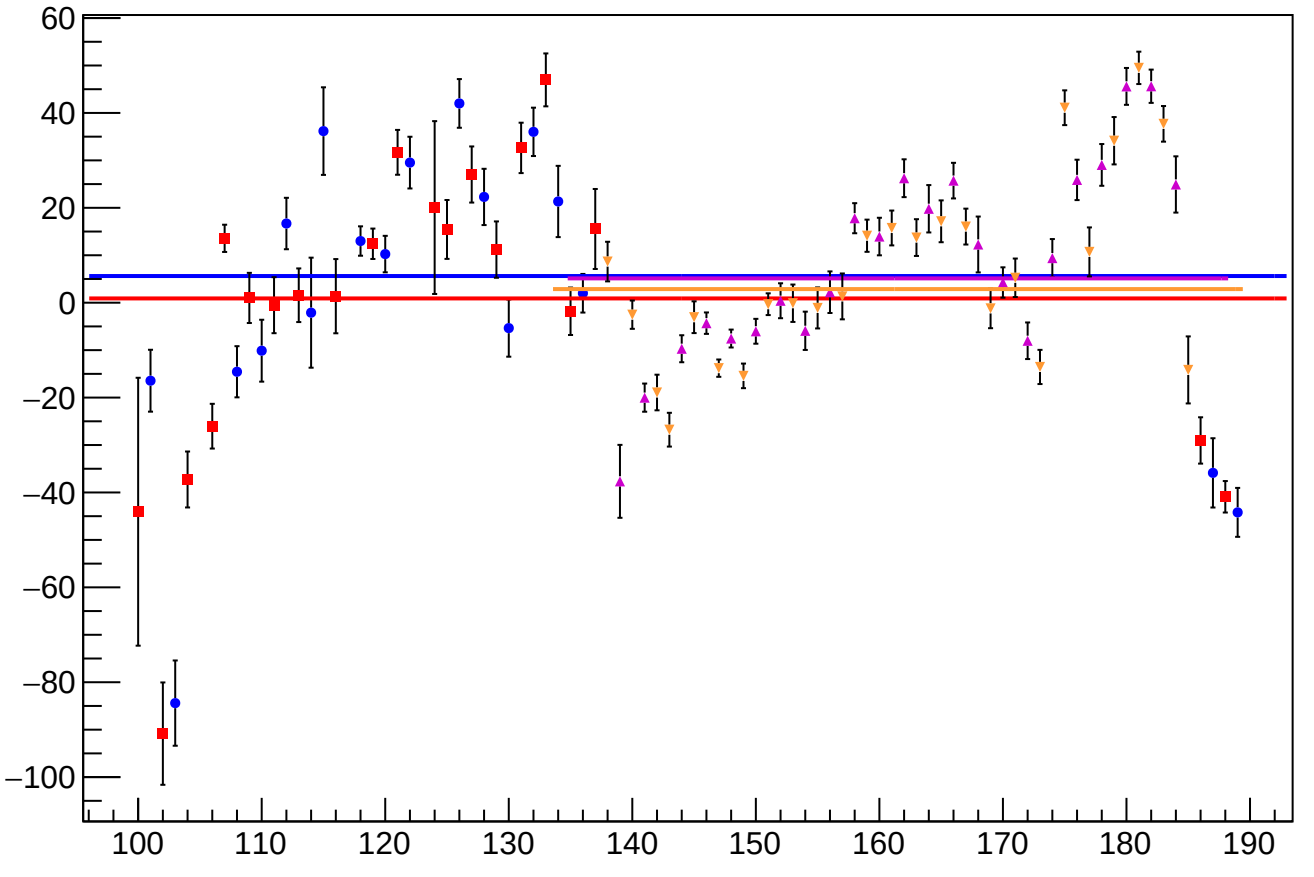
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

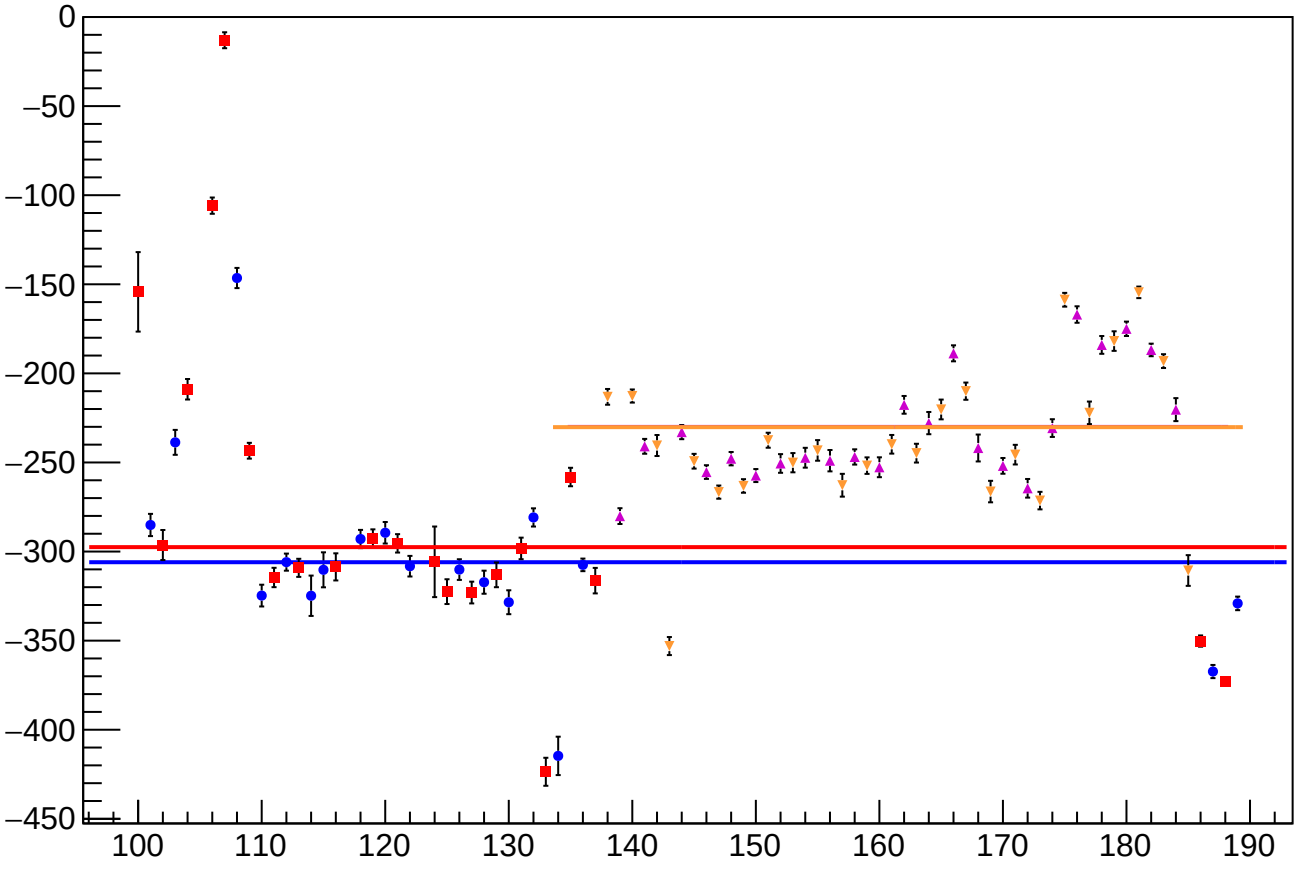
Right: 226.462+/-0.783 χ^2/NDF: 9266.7/38

In: 209.868+/-0.756 χ^2/NDF:3411.1/40

Out: 210.339+/-0.697 χ^2/NDF:9992.2/45

All: 210.123+/-0.513 χ^2/NDF: 13403.5/86


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: 5.620+/-1.271 χ²/NDF: 401.3/17
Left Out: 2.870+/-0.693 χ²/NDF:752.8/24
Right Out: 0.899+/-1.118 χ²/NDF: 557.1/20
Left In: 5.126+/-0.718 χ²/NDF:628.6/22
Left: 3.958+/-0.499 χ²/NDF: 1386.5/47
Right: 2.960+/-0.839 χ²/NDF: 966.2/38
In: 5.245+/-0.625 χ²/NDF:1030.0/40
Out: 2.324+/-0.589 χ²/NDF:1312.1/45
All: 3.698+/-0.429 χ²/NDF: 2353.7/86



Right In: -305.986+/-1.284 χ^2/NDF: 1376.1/17

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -297.516+/-1.051 χ^2/NDF: 8415.5/20

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

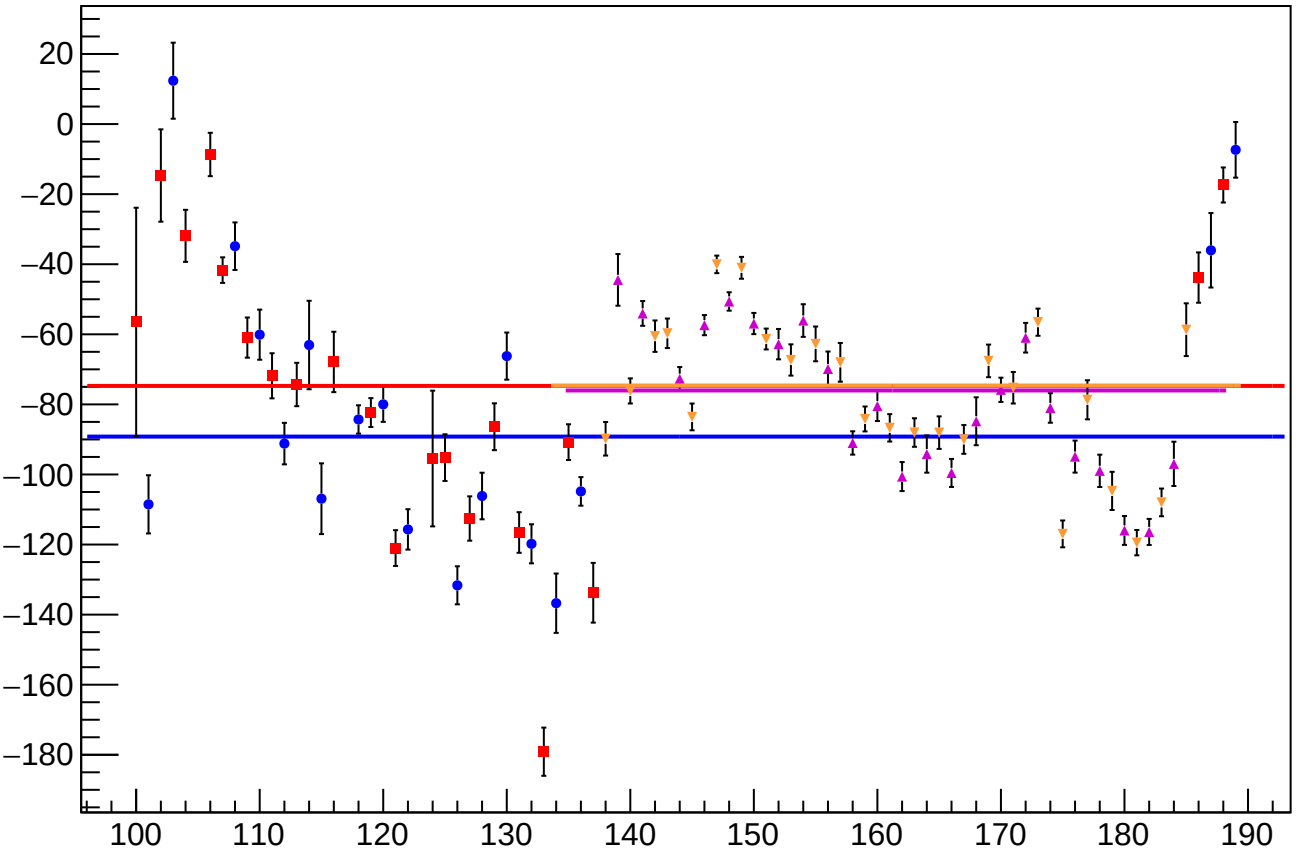
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -300.914+/-0.813 χ^2/NDF: 9817.7/38

In: -257.311+/-0.769 χ^2/NDF:4712.1/40

Out: -260.074+/-0.700 χ^2/NDF:12880.2/45

All: -258.822+/-0.518 χ^2/NDF: 17599.4/86



Right In: -89.190+/-1.492 χ^2/NDF: 494.0/17

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -74.727+/-1.345 χ^2/NDF: 882.3/20

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

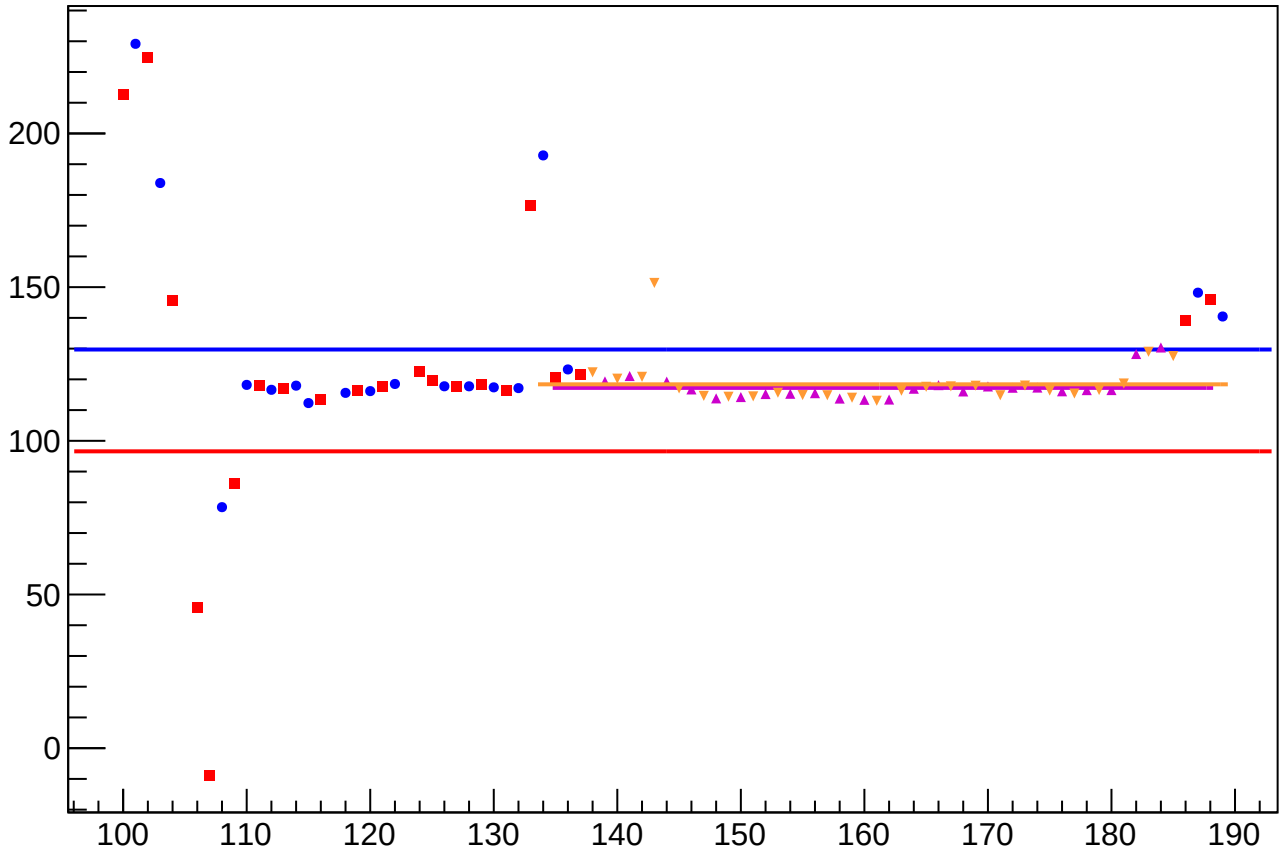
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -81.215+/-0.999 χ^2/NDF: 1428.2/38

In: -79.104+/-0.721 χ^2/NDF:1199.8/40

Out: -74.666+/-0.688 χ^2/NDF:1713.3/45

All: -76.780+/-0.498 χ^2/NDF: 2932.9/86



Right In: 129.710+/-0.086 χ^2/NDF: 185398.7/17

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 96.578+/-0.075 χ^2/NDF: 649272.8/20

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

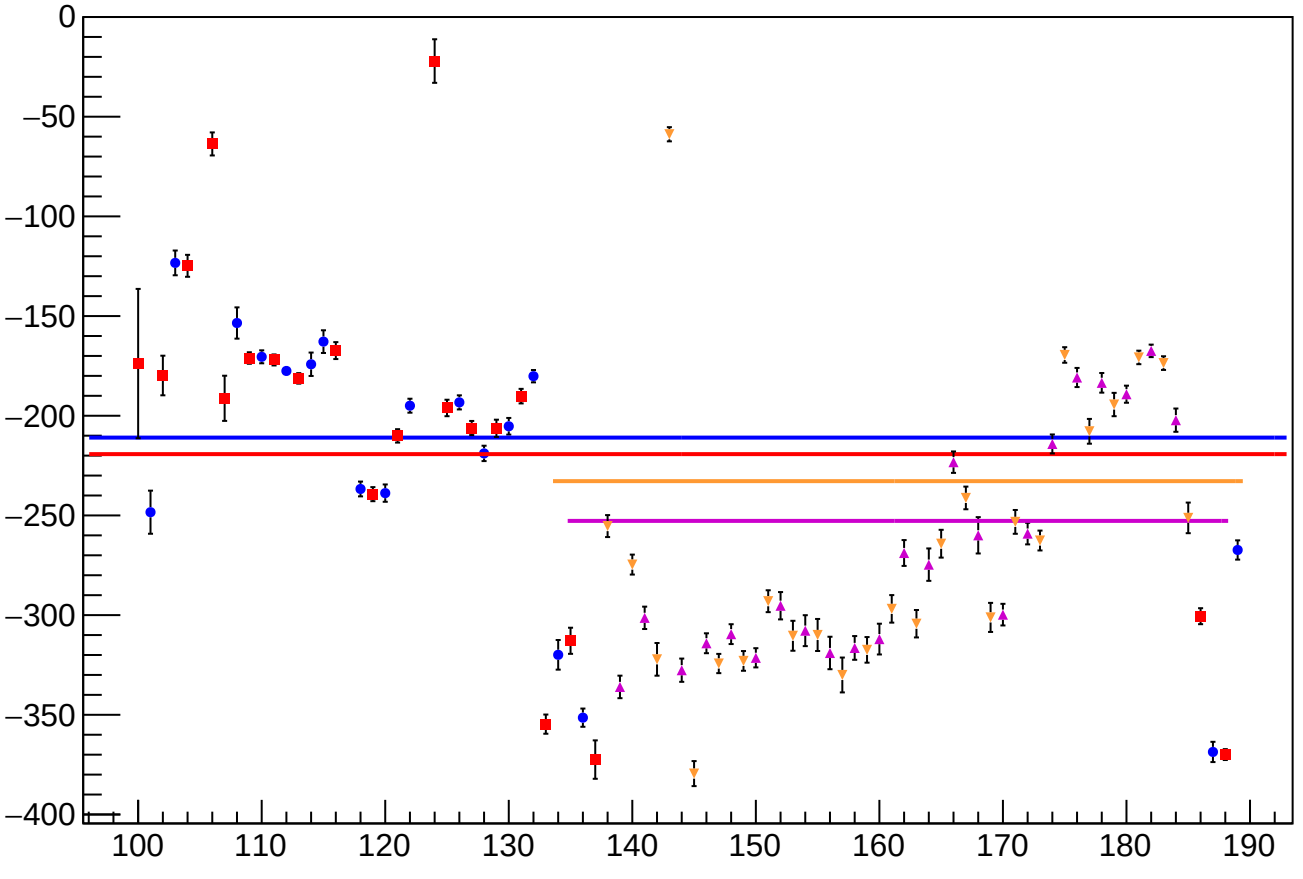
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 110.928+/-0.057 χ^2/NDF: 918960.2/38

In: 119.232+/-0.034 χ^2/NDF:213345.0/40

Out: 114.072+/-0.033 χ^2/NDF:751837.1/45

All: 116.572+/-0.024 χ^2/NDF: 976748.5/86



Right In: -210.960+/-0.983 χ^2/NDF: 3216.4/17

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -219.249+/-0.894 χ^2/NDF: 7155.9/20

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

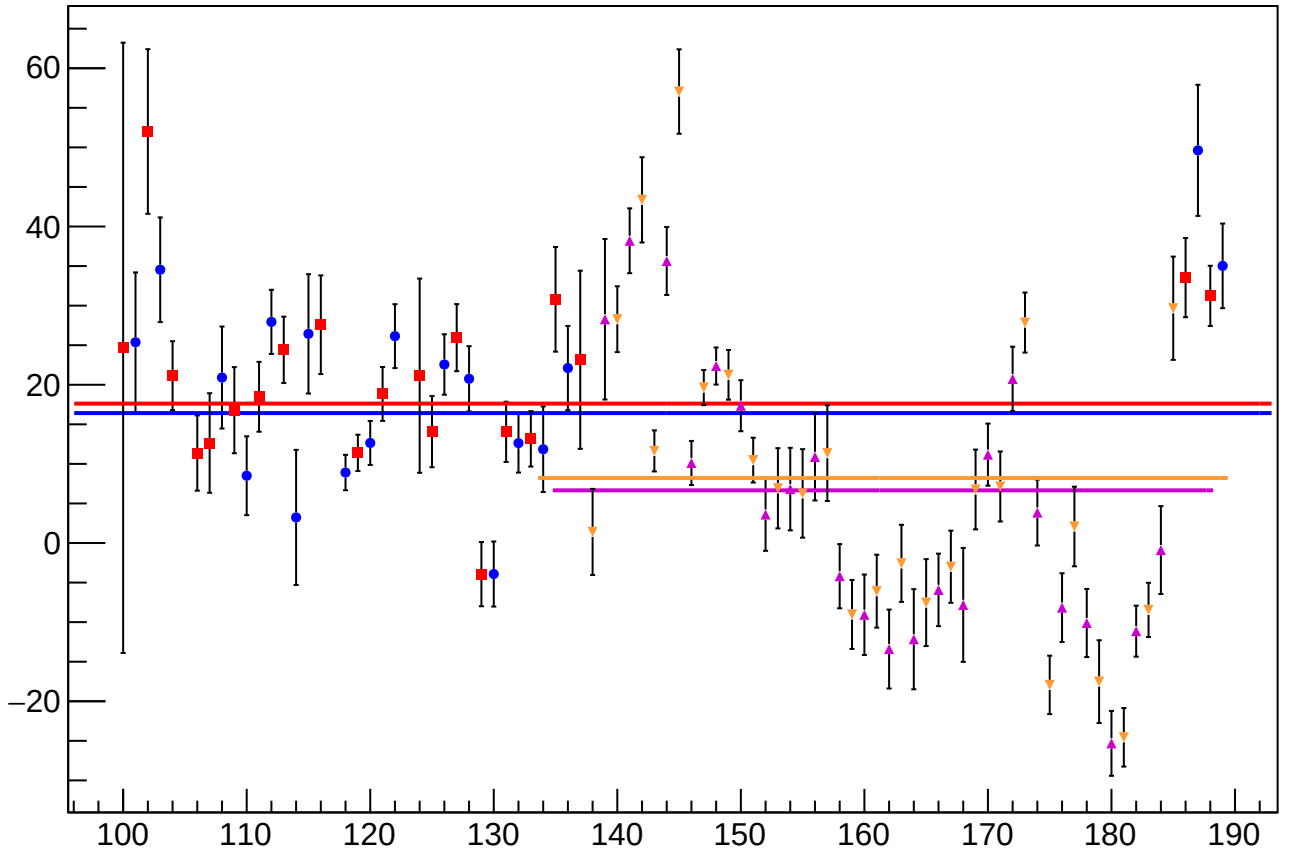
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -215.494+/-0.662 χ^2/NDF: 10411.2/38

In: -228.941+/-0.742 χ^2/NDF:6907.9/40

Out: -224.811+/-0.687 χ^2/NDF:13014.1/45

All: -226.717+/-0.504 χ^2/NDF: 19938.7/86



Right In: 16.420+/-1.020 χ^2/NDF: 101.9/17

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 17.619+/-0.981 χ^2/NDF: 89.1/20

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

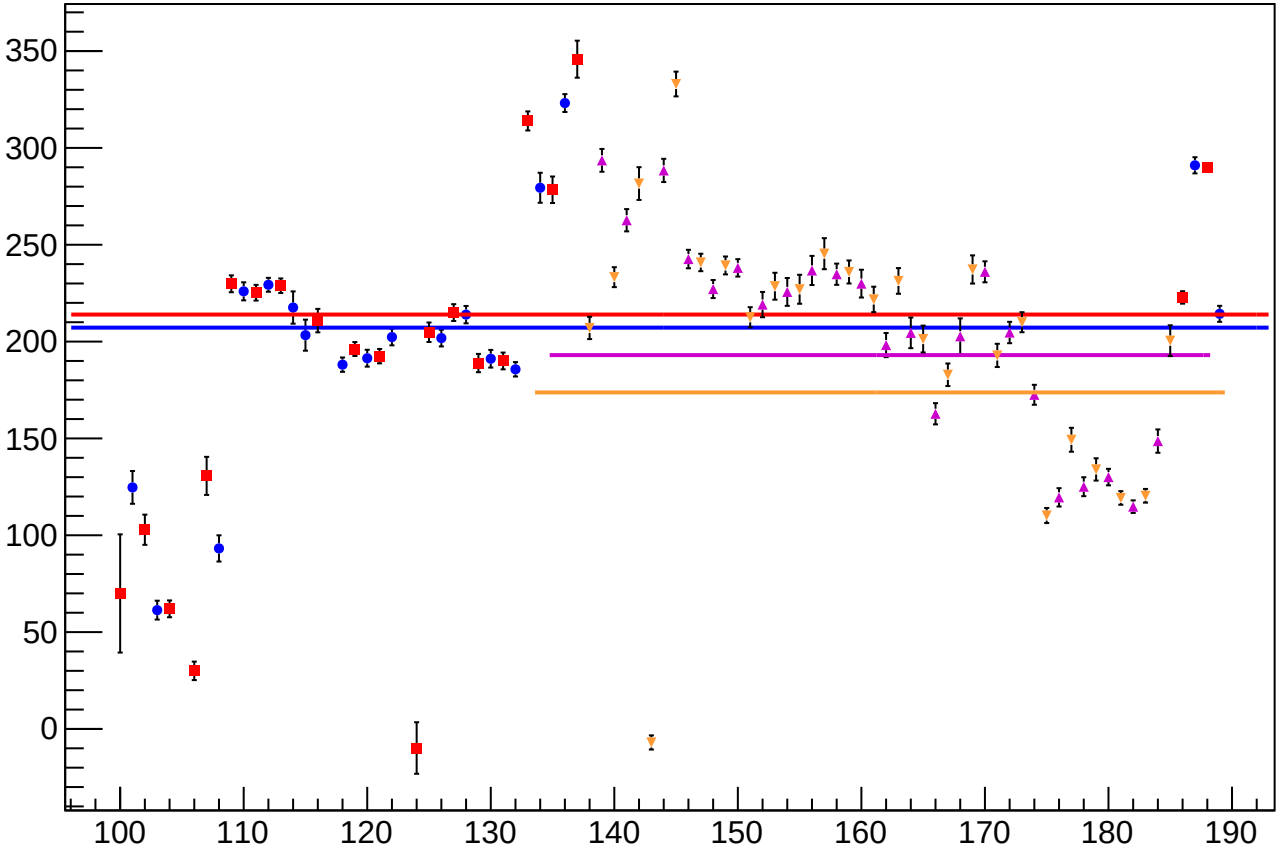
Right: 17.043+/-0.707 χ^2/NDF: 191.8/38

In: 10.703+/-0.657 χ^2/NDF:510.4/40

Out: 11.992+/-0.621 χ^2/NDF:602.0/45

All: 11.383+/-0.451 χ^2/NDF: 1114.4/86

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 207.202+/-1.107 χ^2/NDF: 2547.2/17

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 213.961+/-0.972 χ^2/NDF: 5328.3/20

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

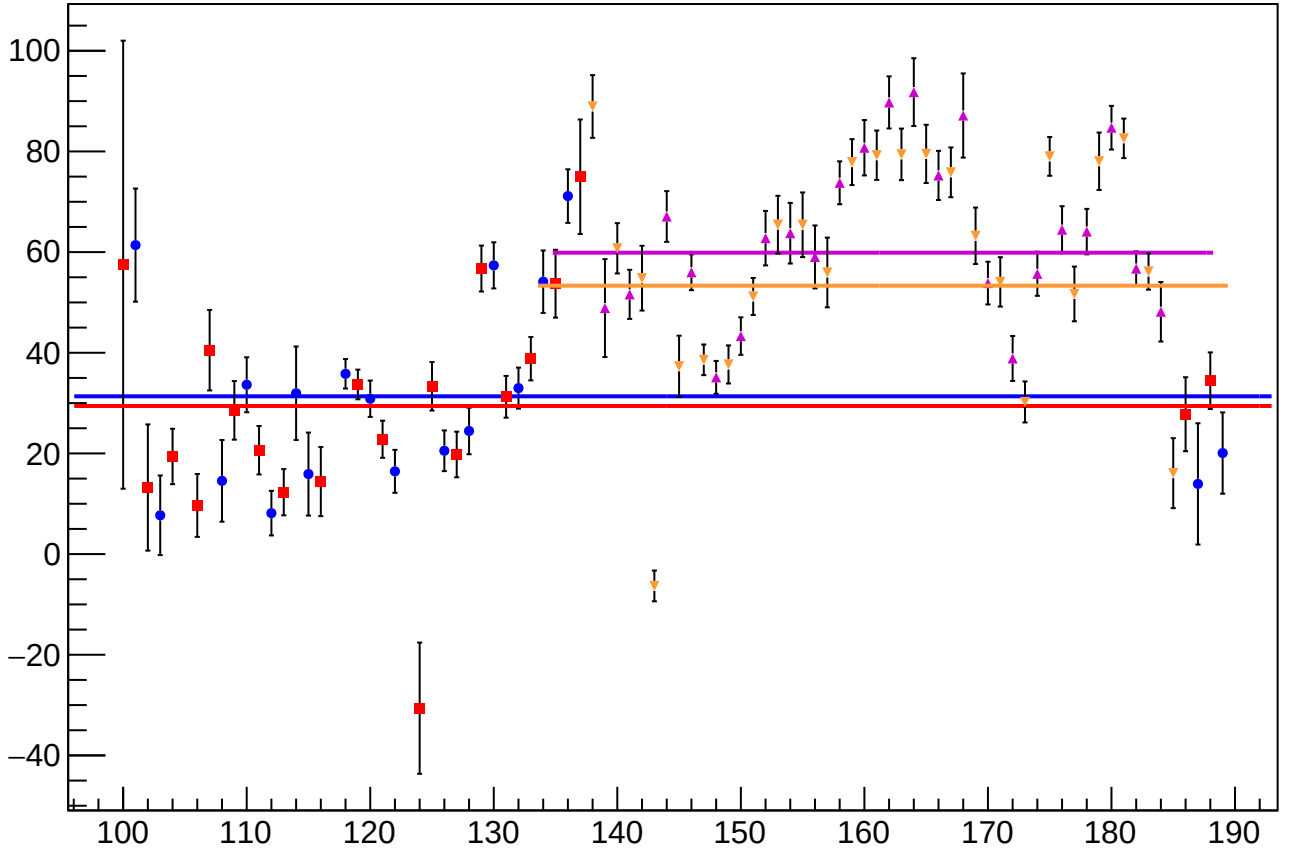
Right: 211.020+/-0.730 χ^2/NDF: 7896.5/38

In: 200.207+/-0.788 χ^2/NDF:5140.0/40

Out: 195.758+/-0.719 χ^2/NDF:11364.0/45

All: 197.779+/-0.531 χ^2/NDF: 16521.4/86

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.349+/-1.197 χ^2/NDF: 181.2/17

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.428+/-1.156 χ^2/NDF: 141.8/20

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

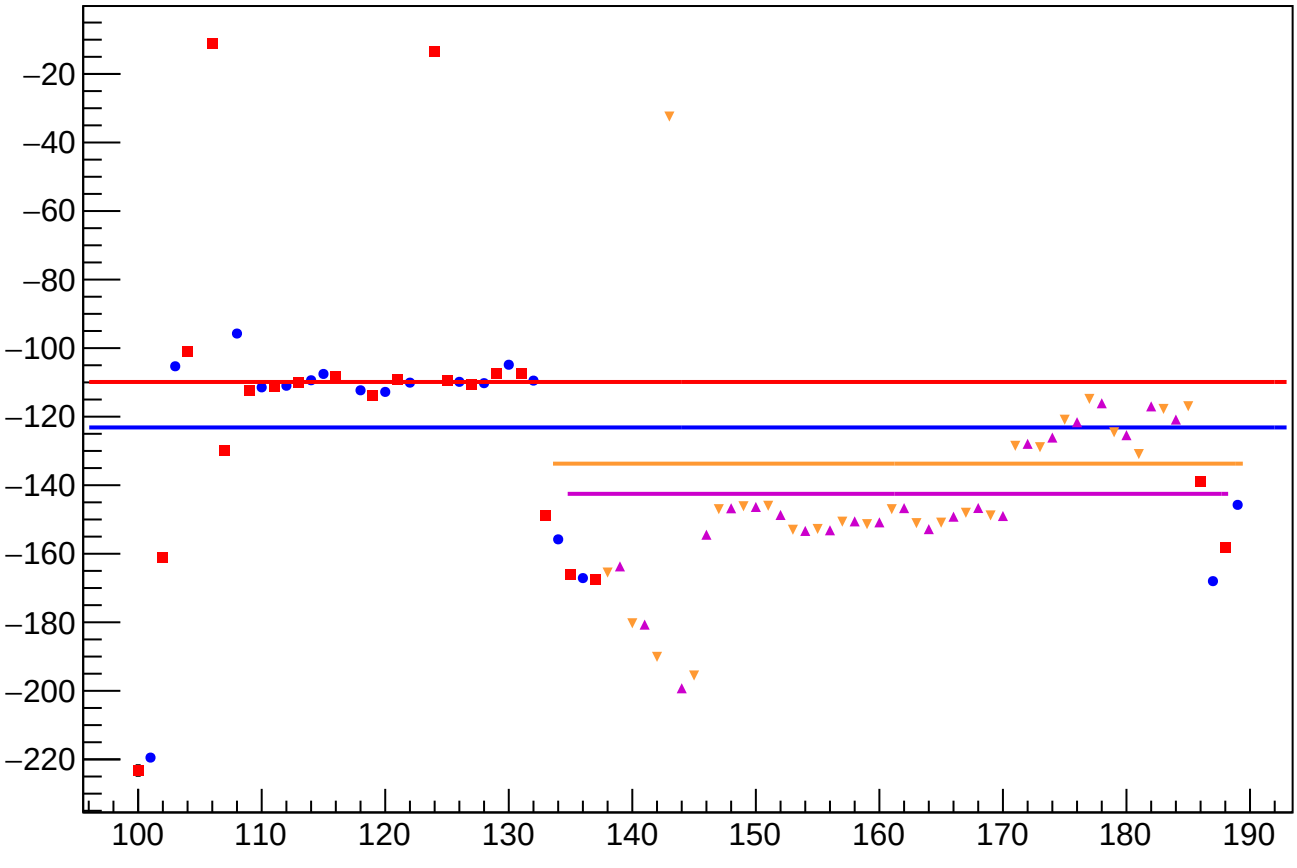
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 30.355+/-0.831 χ^2/NDF: 324.2/38

In: 48.479+/-0.757 χ^2/NDF:773.5/40

Out: 44.040+/-0.721 χ^2/NDF:1182.1/45

All: 46.151+/-0.522 χ^2/NDF: 1973.6/86



Right In: -123.144+/-0.077 χ^2/NDF: 128965.0/17

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -109.877+/-0.071 χ^2/NDF: 392648.3/20

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

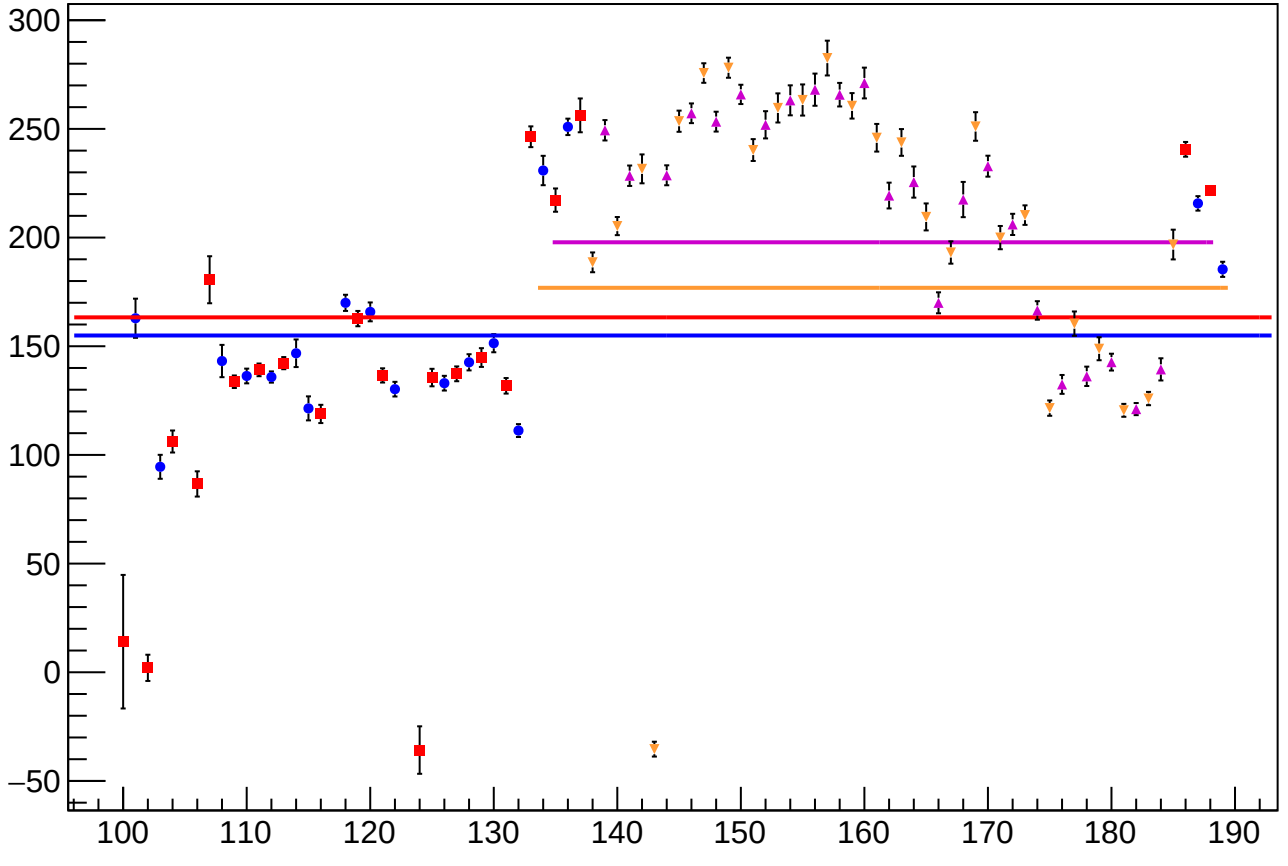
Right: -116.040+/-0.052 χ^2/NDF: 537669.5/38

In: -137.645+/-0.038 χ^2/NDF:355301.8/40

Out: -127.398+/-0.037 χ^2/NDF:1150562.6/45

All: -132.290+/-0.027 χ^2/NDF: 1543031.3/86

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 154.942+/-0.926 χ^2/NDF: 1775.1/17

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 163.290+/-0.820 χ^2/NDF: 4125.2/20

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

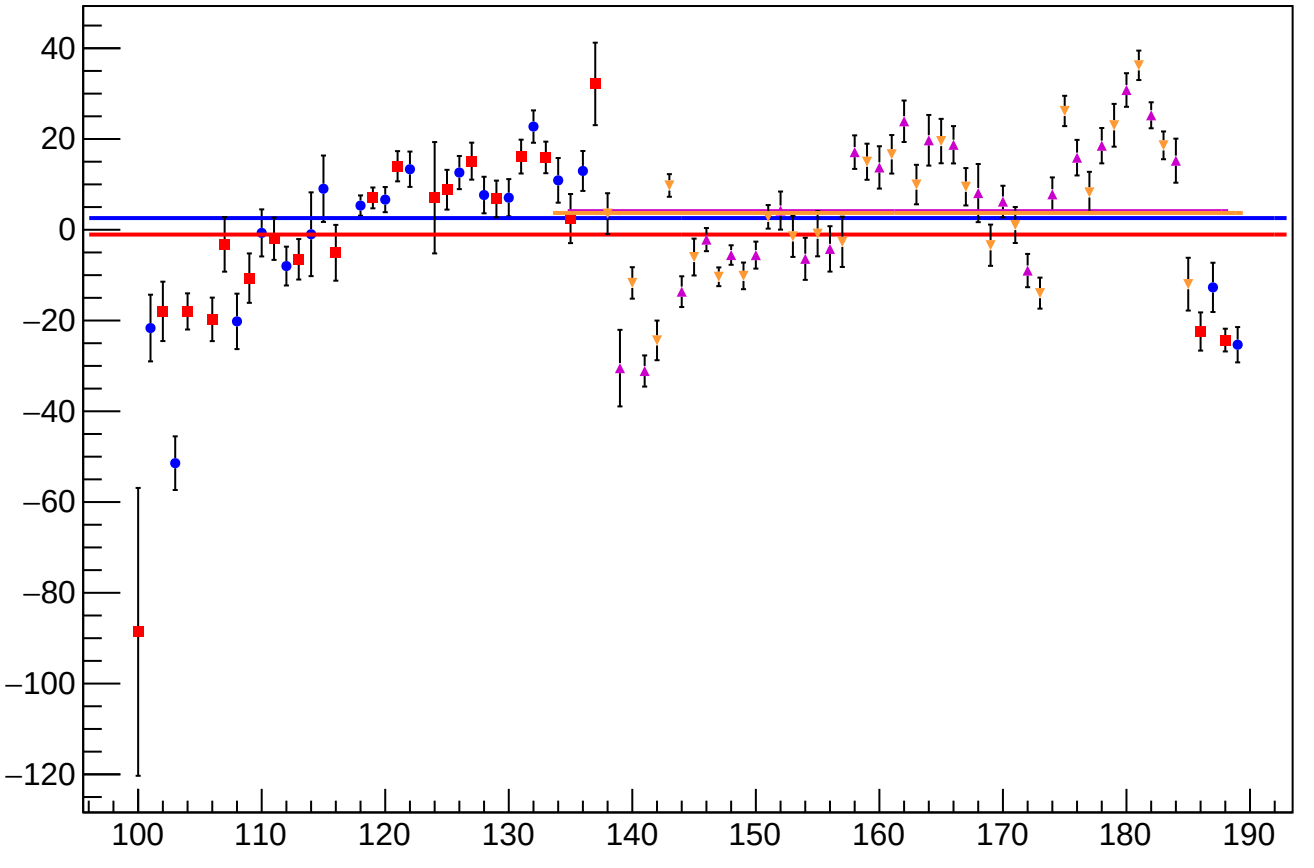
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 159.620+/-0.614 χ^2/NDF: 5945.9/38

In: 174.611+/-0.681 χ^2/NDF:5726.7/40

Out: 169.043+/-0.623 χ^2/NDF:11666.2/45

All: 171.578+/-0.460 χ^2/NDF: 17429.4/86



Right In: 2.576+/-0.971 χ^2/NDF: 237.0/17

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -1.056+/-0.916 χ^2/NDF: 281.5/20

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

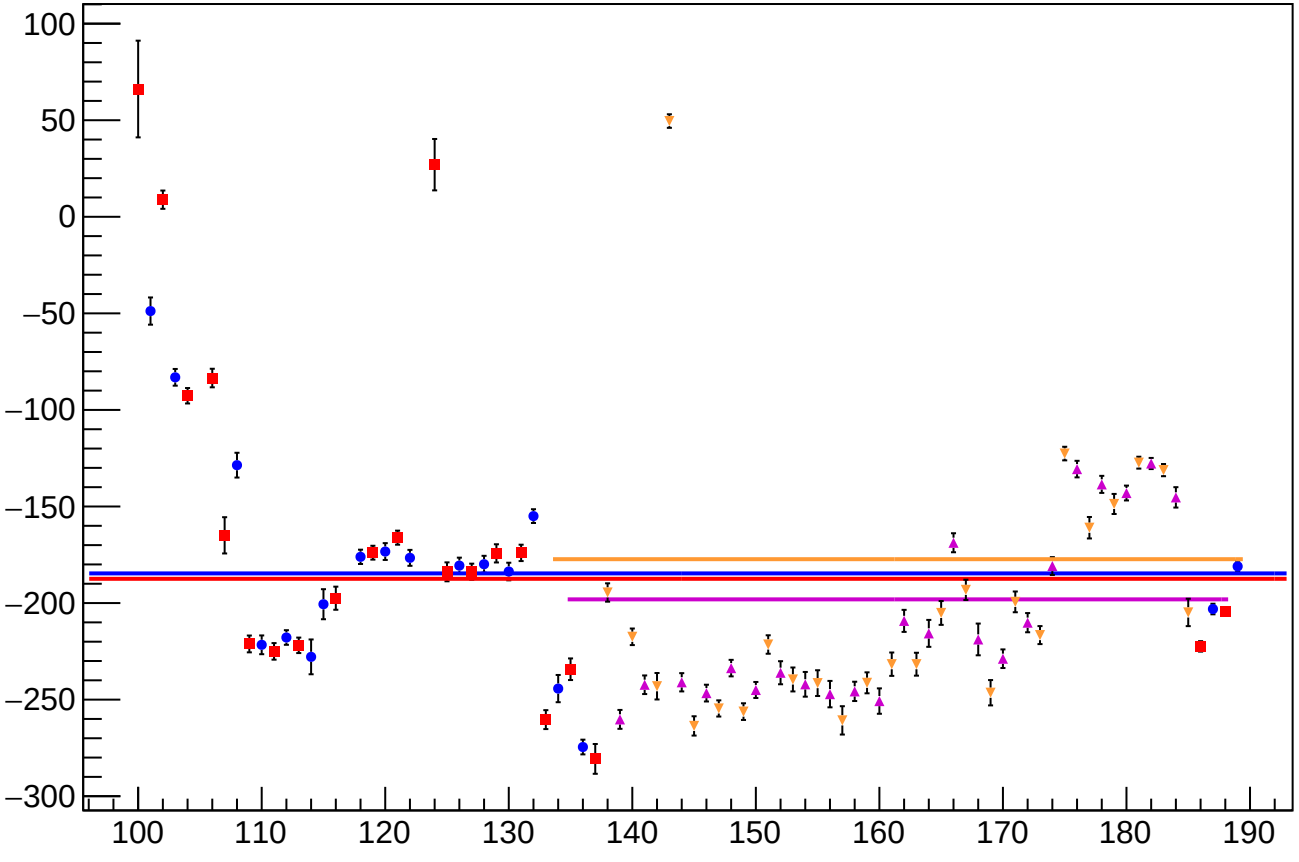
Right: 0.653+/-0.666 χ^2/NDF: 526.0/38

In: 3.515+/-0.603 χ^2/NDF:637.5/40

Out: 1.877+/-0.568 χ^2/NDF:699.1/45

All: 2.647+/-0.413 χ^2/NDF: 1340.5/86

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -184.647+/-0.999 χ^2/NDF: 1922.8/17

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -187.441+/-0.835 χ^2/NDF: 4150.0/20

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

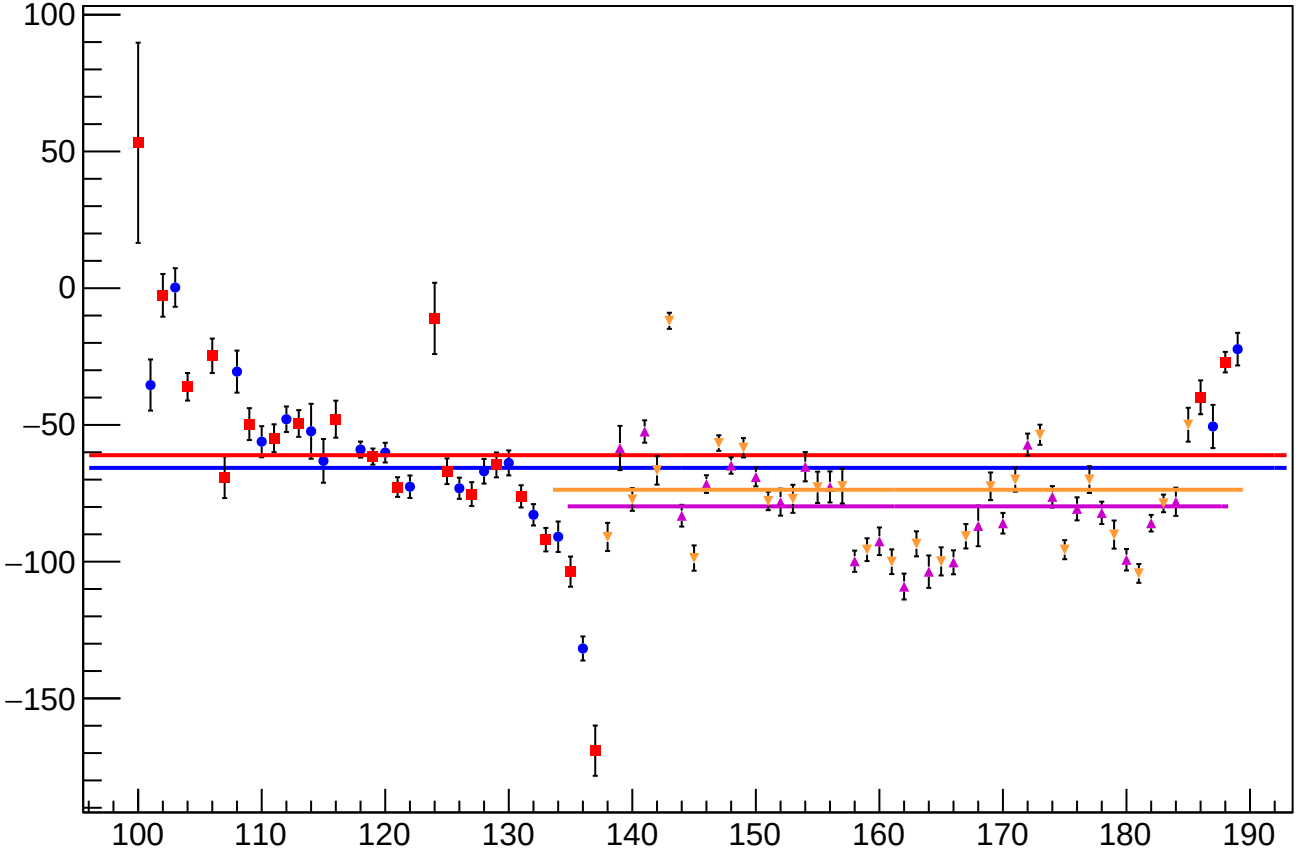
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -186.291+/-0.641 χ^2/NDF: 6077.4/38

In: -191.359+/-0.707 χ^2/NDF:4399.5/40

Out: -183.044+/-0.629 χ^2/NDF:11254.0/45

All: -186.719+/-0.470 χ^2/NDF: 15730.7/86



Right In: -65.702+/-1.146 χ^2/NDF: 473.8/17

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -61.070+/-1.096 χ^2/NDF: 534.8/20

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

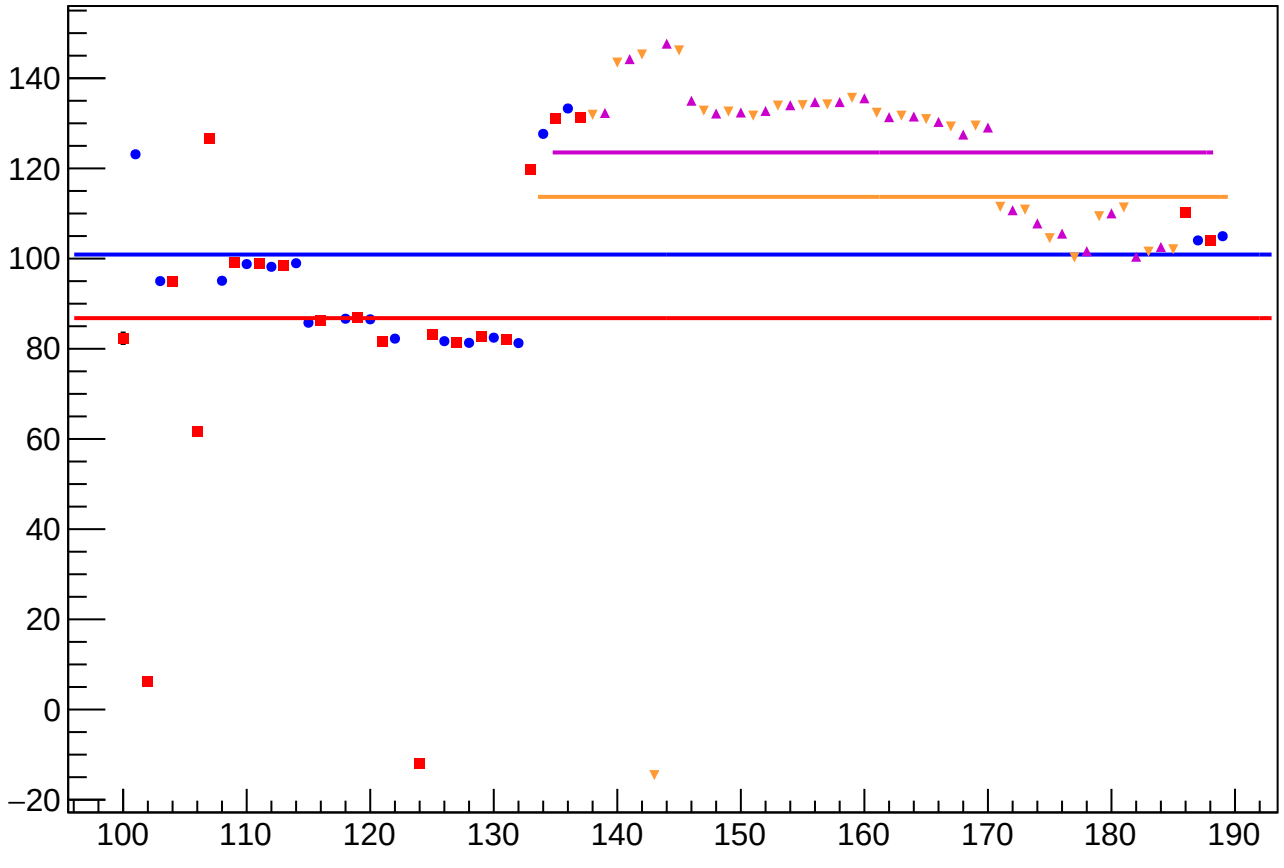
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -63.283+/-0.792 χ^2/NDF: 1017.1/38

In: -74.603+/-0.695 χ^2/NDF:846.2/40

Out: -69.111+/-0.661 χ^2/NDF:1458.9/45

All: -71.720+/-0.479 χ^2/NDF: 2337.9/86



Right In: 100.898+/-0.071 χ^2/NDF: 67759.7/17

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 86.797+/-0.065 χ^2/NDF: 275642.3/20

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

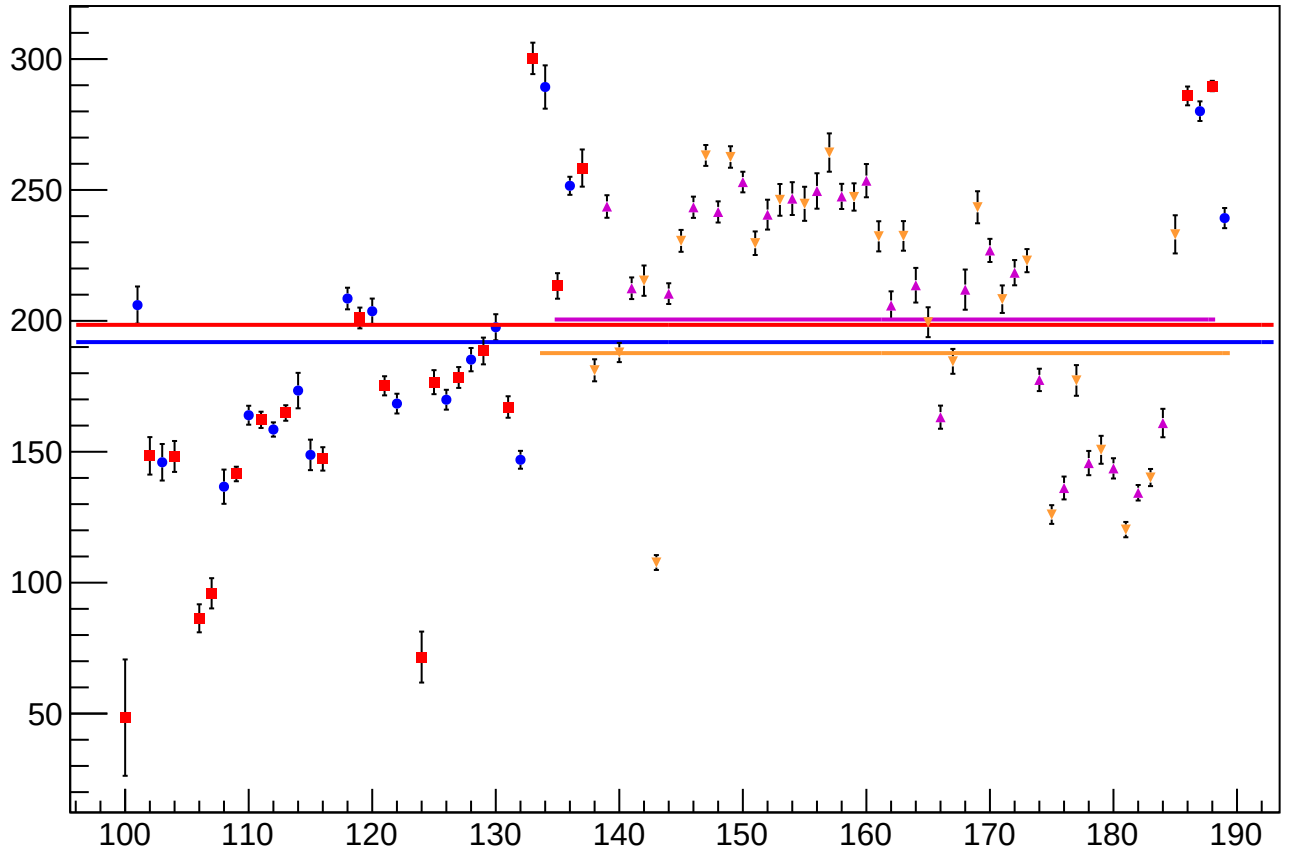
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 93.233+/-0.048 χ^2/NDF: 365140.4/38

In: 118.107+/-0.035 χ^2/NDF:280726.0/40

Out: 106.680+/-0.033 χ^2/NDF:1366862.4/45

All: 112.130+/-0.024 χ^2/NDF: 1704834.5/86



Right In: 191.889+/-1.010 χ^2/NDF: 1805.5/17

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

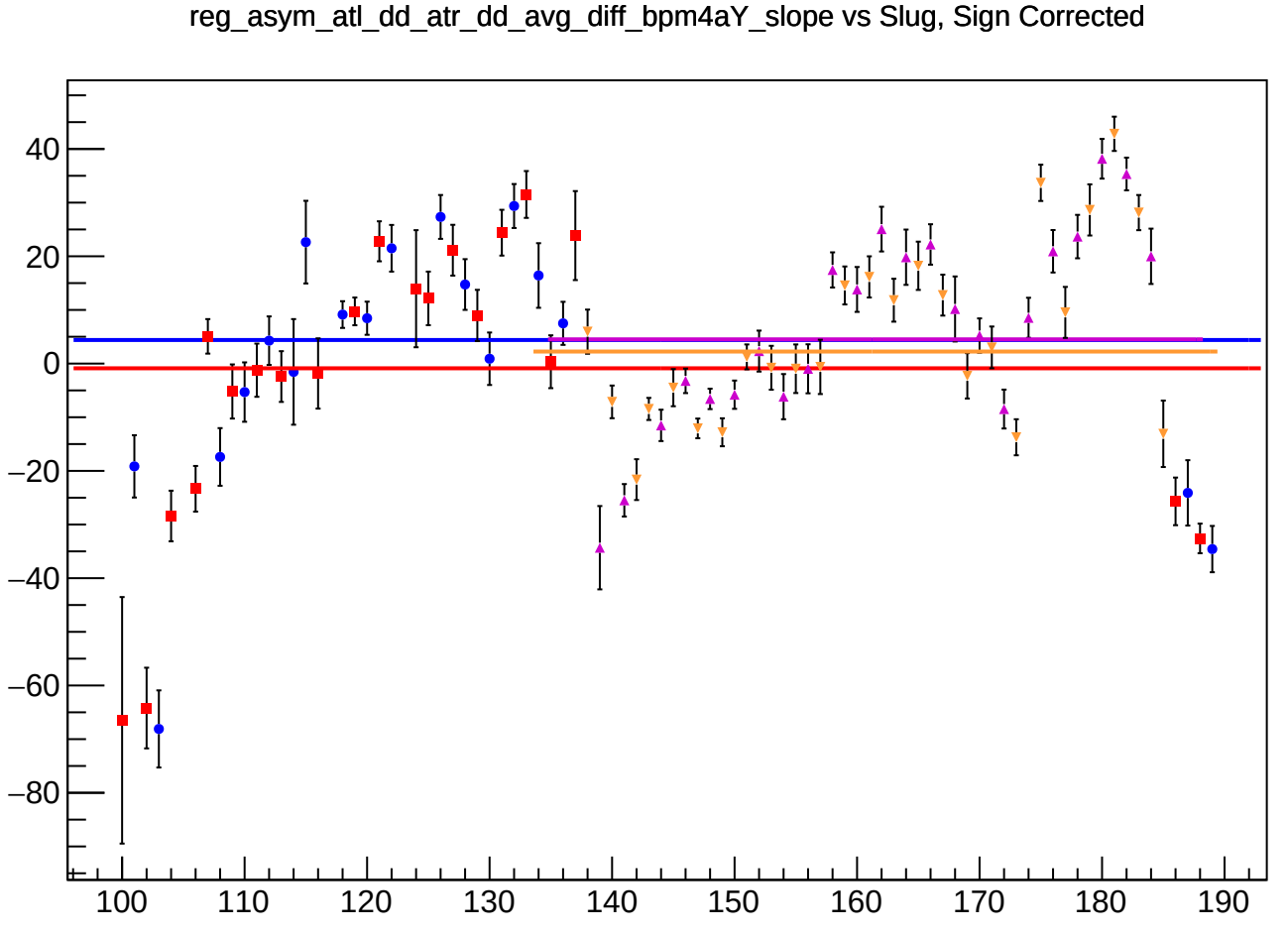
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

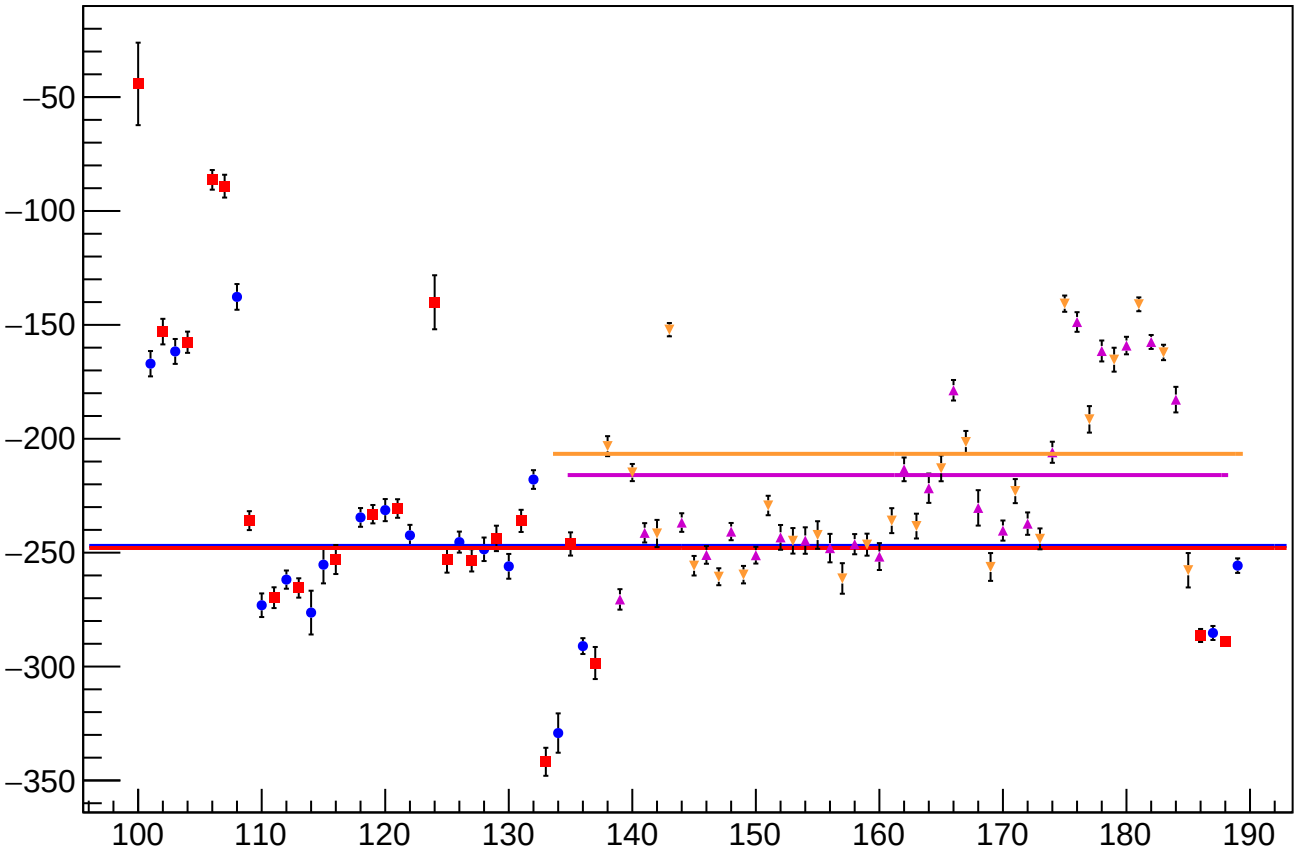
Right: 195.635+/-0.663 χ^2/NDF: 6979.9/38

In: 196.445+/-0.694 χ^2/NDF:3955.5/40

Out: 193.189+/-0.628 χ^2/NDF:8752.4/45

All: 194.656+/-0.466 χ^2/NDF: 12720.0/86


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: 4.396+/-1.061 χ²/NDF: 346.5/17
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: -0.880+/-0.967 χ²/NDF: 499.6/20
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
Left: 3.298+/-0.486 χ²/NDF: 1153.4/47
Right: 1.514+/-0.715 χ²/NDF: 859.6/38
In: 4.476+/-0.593 χ²/NDF:893.6/40
Out: 1.243+/-0.548 χ²/NDF:1107.6/45
All: 2.733+/-0.402 χ²/NDF: 2017.3/86



Right In: -247.036+/-1.086 χ^2/NDF: 1360.6/17

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

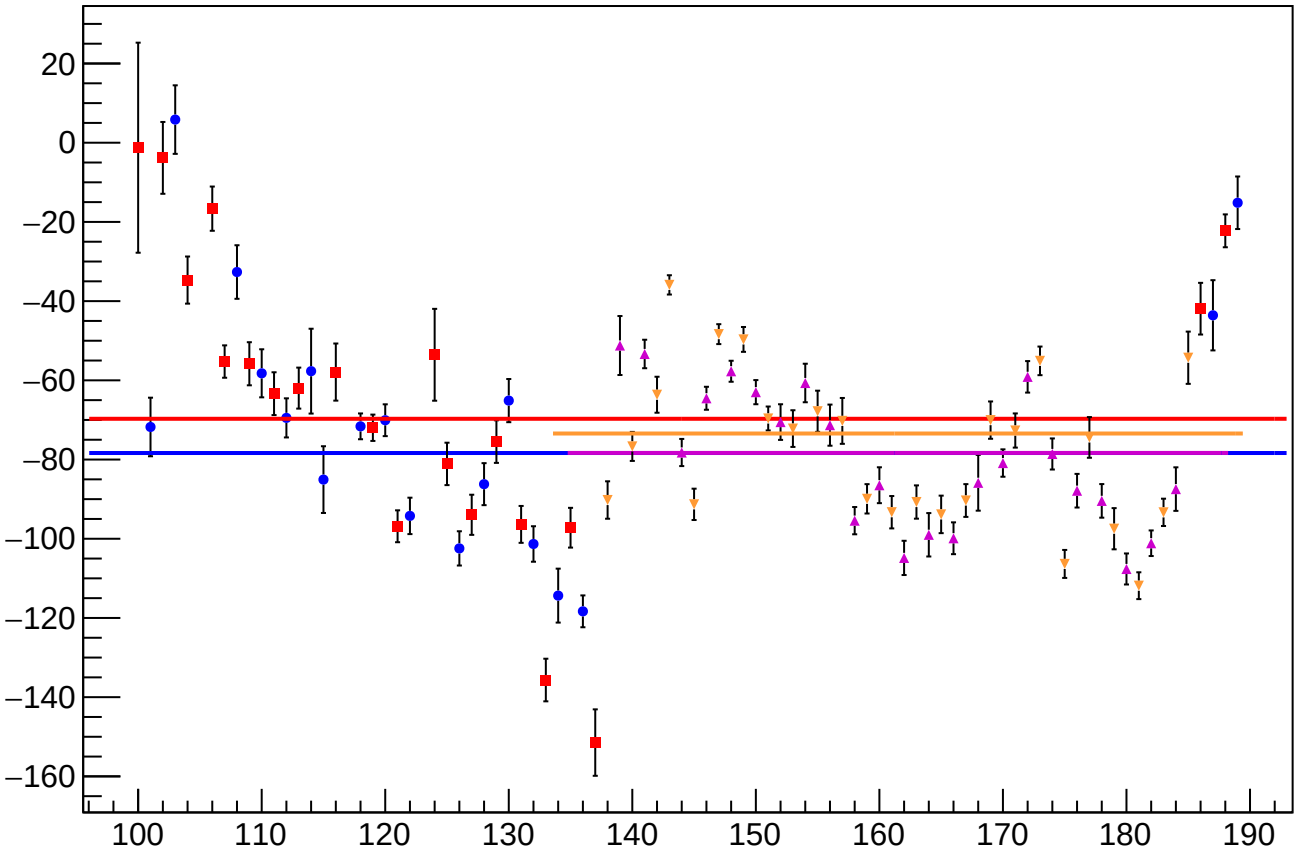
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

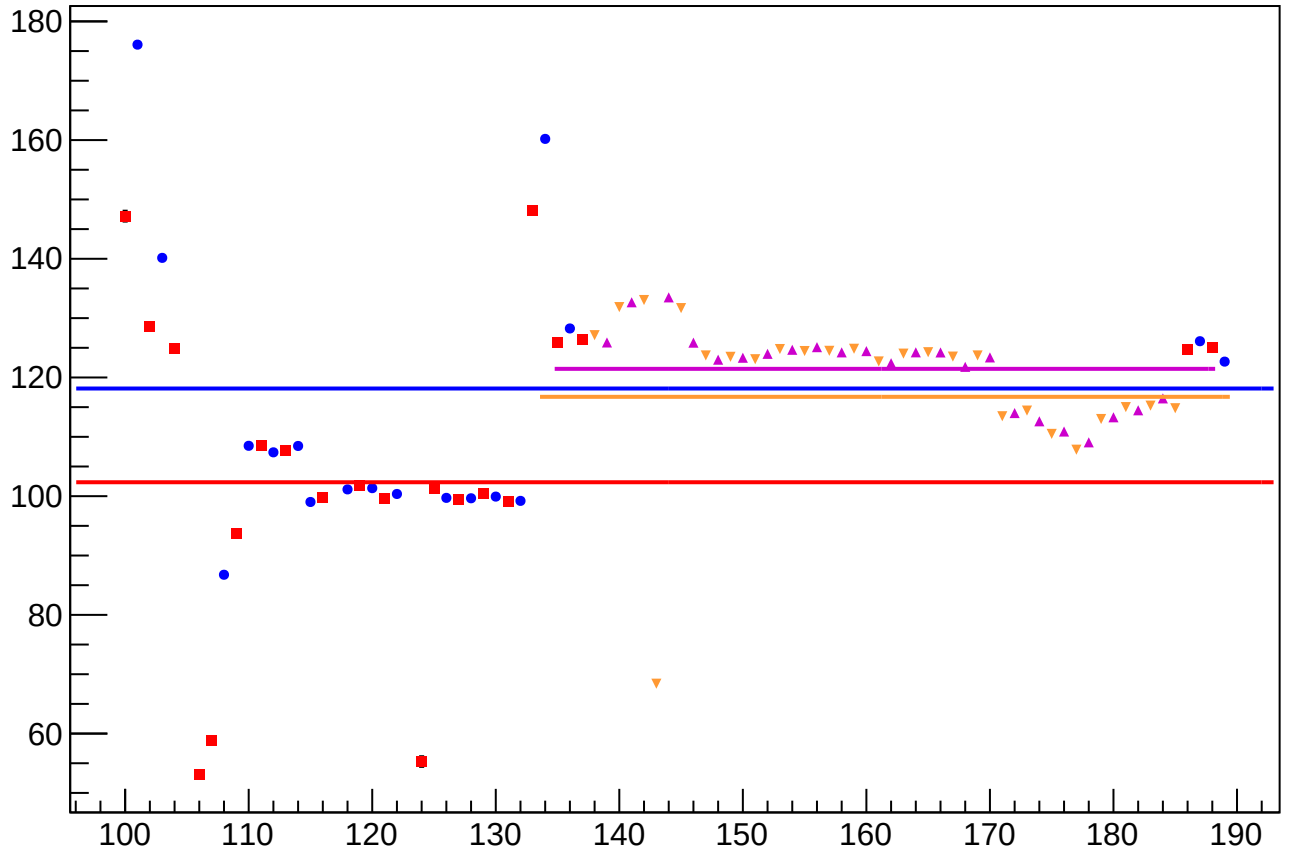
Right: -247.579+/-0.692 χ^2/NDF: 5855.5/38

In: -229.358+/-0.713 χ^2/NDF:3538.8/40

Out: -227.217+/-0.634 χ^2/NDF:8025.8/45

All: -228.161+/-0.474 χ^2/NDF: 11569.6/86


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
190
Right In: -78.351+/-1.251 χ²/NDF: 478.5/17
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -69.707+/-1.161 χ²/NDF: 743.0/20
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -73.707+/-0.851 χ²/NDF: 1247.1/38
In: -78.336+/-0.684 χ²/NDF:921.7/40
Out: -72.296+/-0.640 χ²/NDF:1586.7/45
All: -75.114+/-0.467 χ²/NDF: 2550.0/86



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

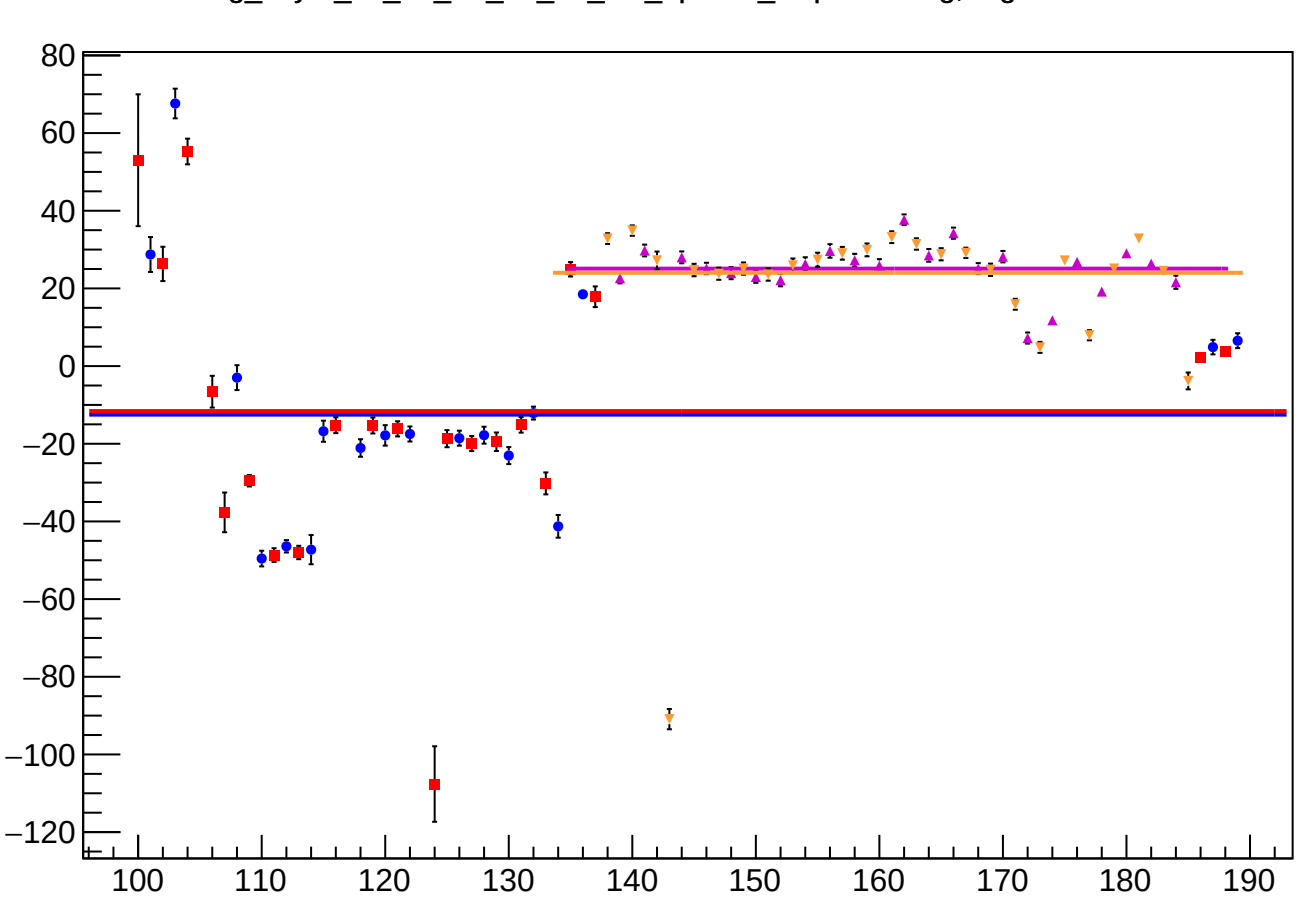
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 109.276+/-0.050 χ^2/NDF: 301027.4/38

In: 120.800+/-0.033 χ^2/NDF:126257.0/40

Out: 113.496+/-0.032 χ^2/NDF:420358.6/45

All: 116.939+/-0.023 χ^2/NDF: 571926.1/86



Right In: -12.496+/-0.500 χ^2/NDF: 2338.6/17

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -11.584+/-0.443 χ^2/NDF: 2592.3/20

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

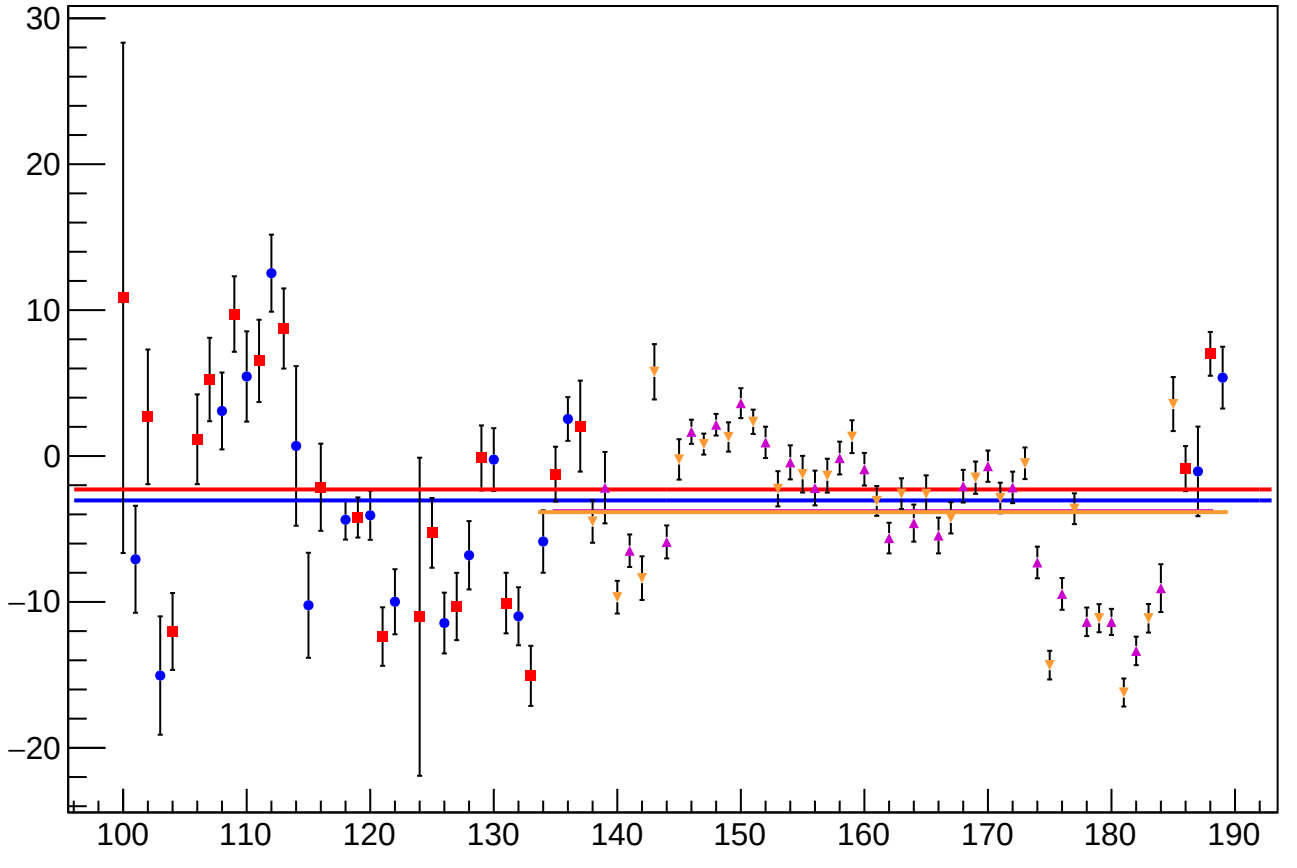
Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

Right: -11.985+/-0.332 χ^2/NDF: 4932.8/38

In: 15.768+/-0.249 χ^2/NDF:7080.9/40

Out: 13.760+/-0.238 χ^2/NDF:9990.6/45

All: 14.718+/-0.172 χ^2/NDF: 17105.5/86



Right In: -3.043+/-0.526 χ^2/NDF: 141.5/17

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.291+/-0.499 χ^2/NDF: 207.4/20

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

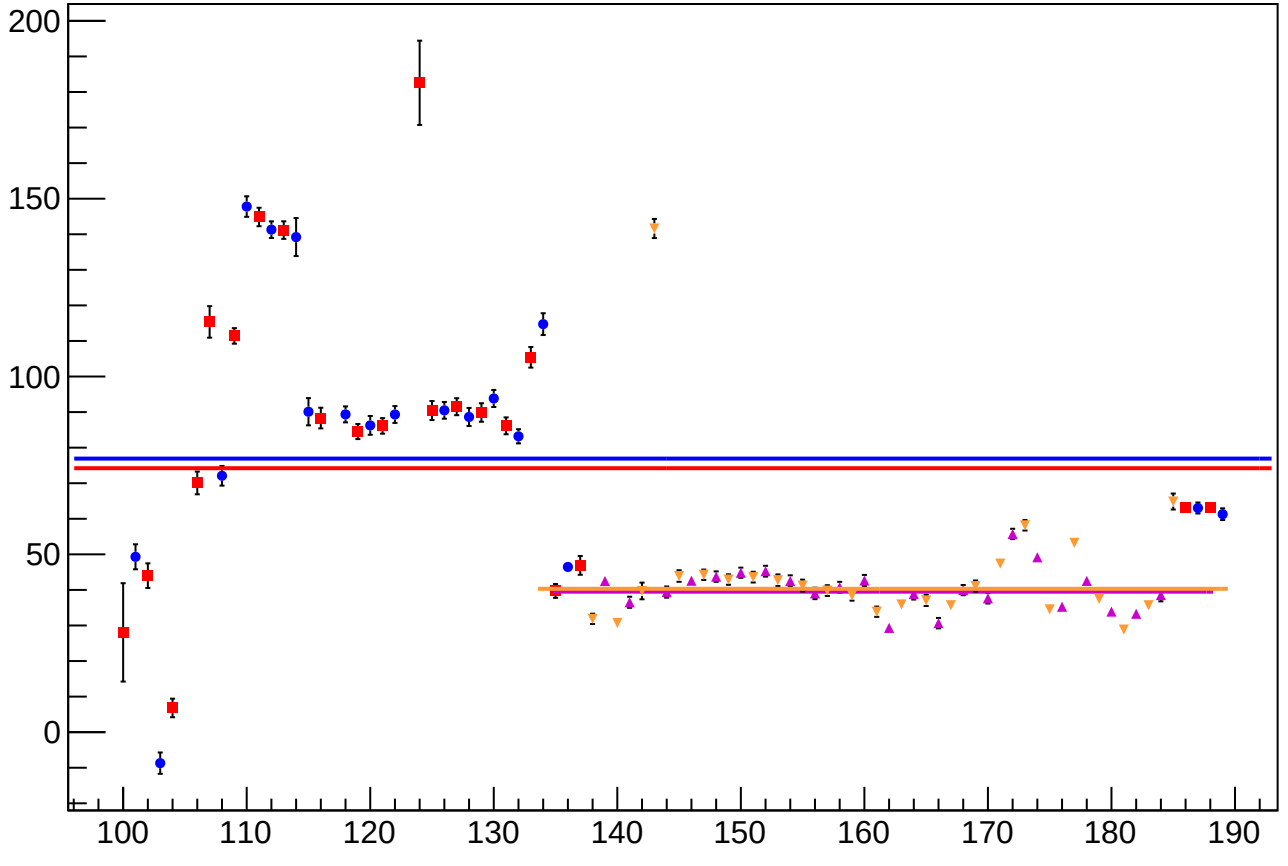
Right: -2.647+/-0.362 χ^2/NDF: 350.0/38

In: -3.667+/-0.206 χ^2/NDF:653.0/40

Out: -3.597+/-0.200 χ^2/NDF:864.9/45

All: -3.631+/-0.143 χ^2/NDF: 1518.0/86

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.924+/-0.534 χ^2/NDF: 3451.6/17

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 74.218+/-0.448 χ^2/NDF: 3746.6/20

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

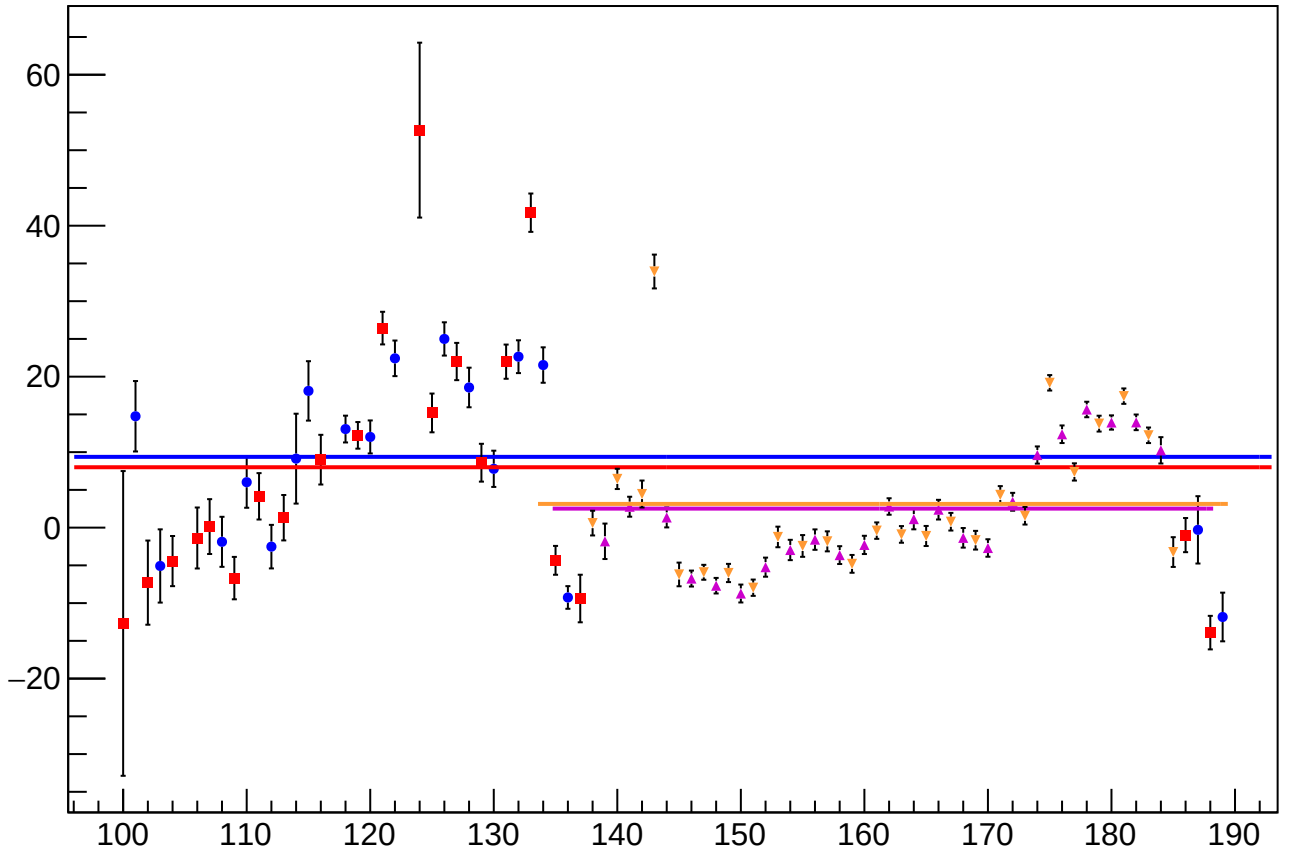
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 75.334+/-0.343 χ^2/NDF: 7213.3/38

In: 47.780+/-0.251 χ^2/NDF:7703.9/40

Out: 49.861+/-0.237 χ^2/NDF:10052.8/45

All: 48.879+/-0.173 χ^2/NDF: 17793.0/86



Right In: 9.376+/-0.609 χ^2/NDF: 410.2/17

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 8.000+/-0.594 χ^2/NDF: 599.5/20

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

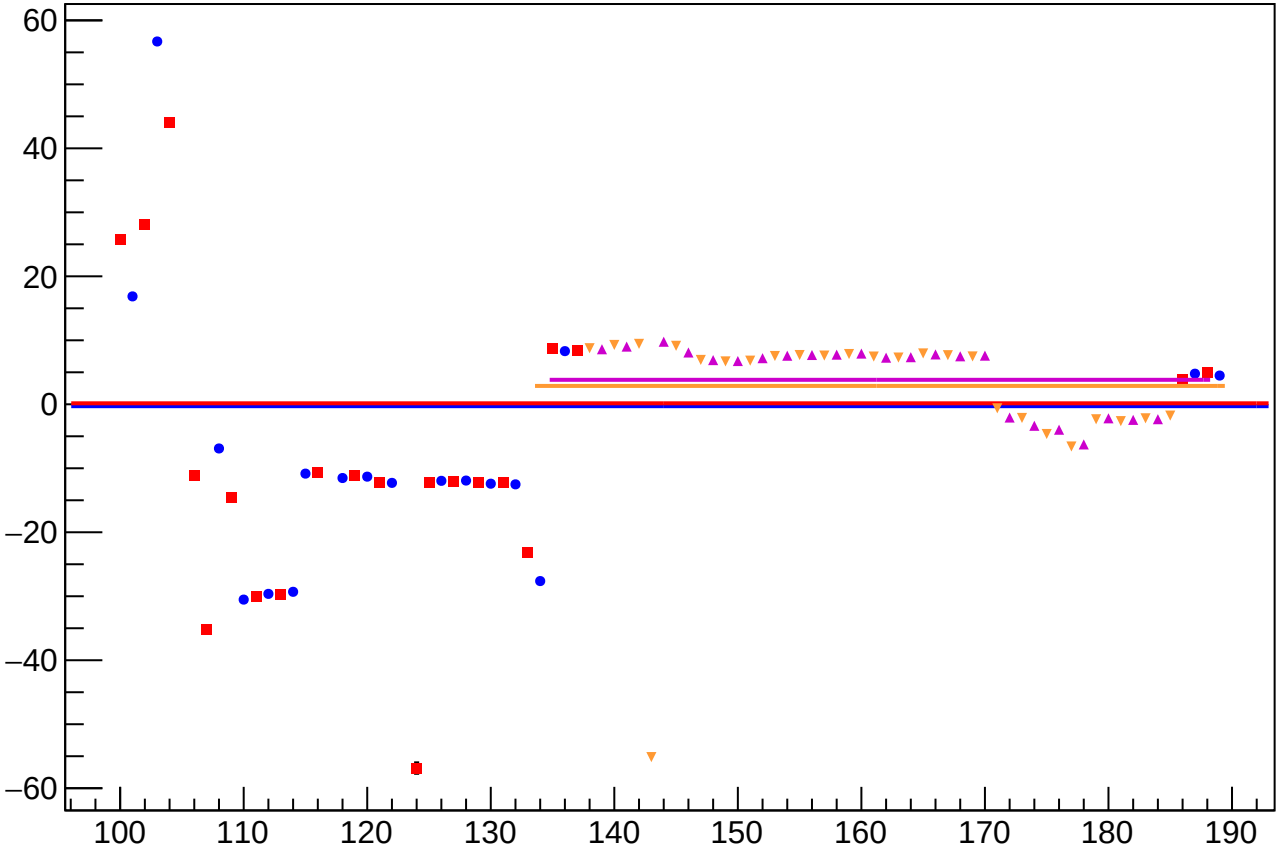
Right: 8.670+/-0.425 χ^2/NDF: 1012.4/38

In: 3.514+/-0.232 χ^2/NDF:1486.7/40

Out: 3.851+/-0.227 χ^2/NDF:1923.7/45

All: 3.686+/-0.162 χ^2/NDF: 3411.5/86

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.295+/-0.034 χ^2/NDF: 369846.8/17

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.154+/-0.034 χ^2/NDF: 319404.2/20

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

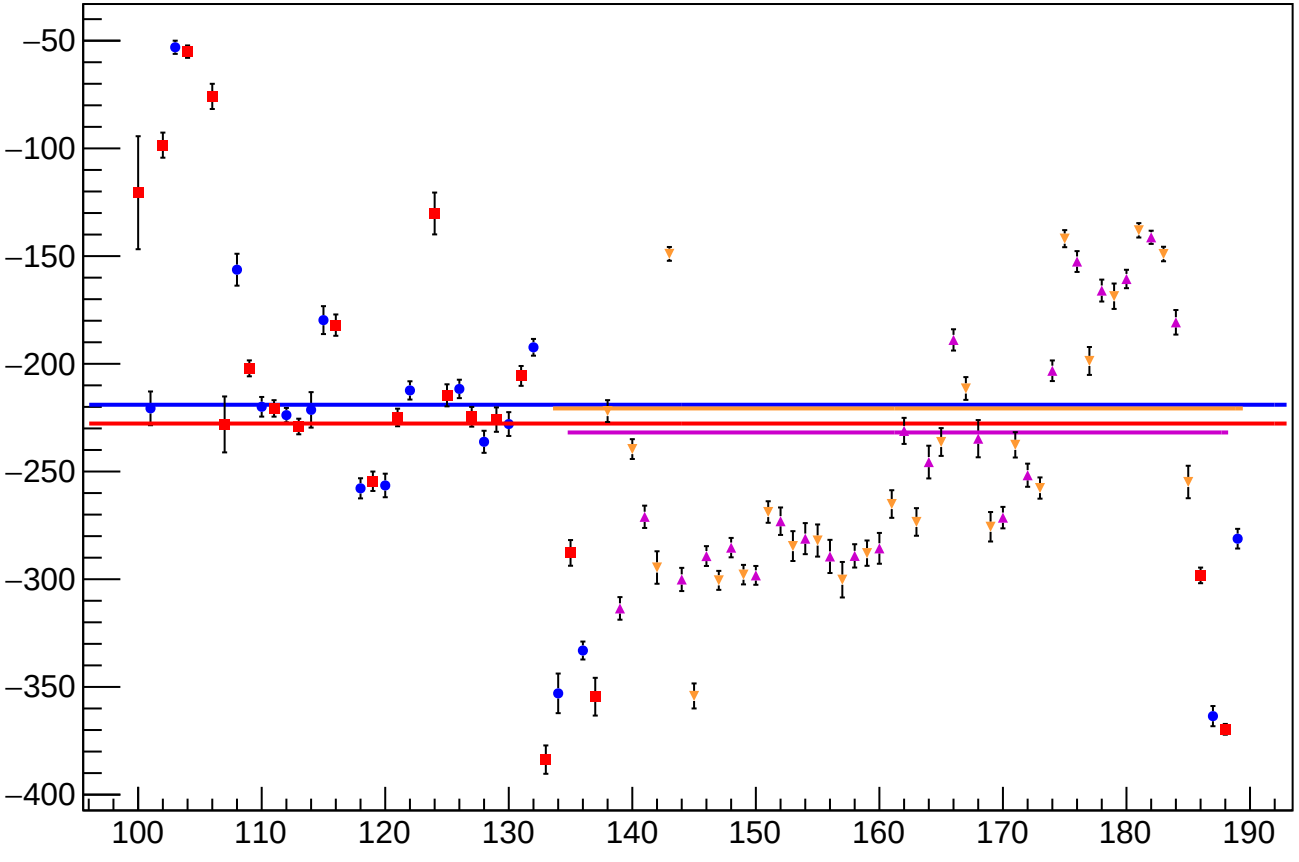
Right: -0.072+/-0.024 χ^2/NDF: 689336.3/38

In: 3.435+/-0.011 χ^2/NDF:616118.0/40

Out: 2.619+/-0.010 χ^2/NDF:837378.2/45

All: 3.023+/-0.007 χ^2/NDF: 1456504.4/86

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -219.002+/-1.114 χ^2/NDF: 5321.9/17

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -227.728+/-0.985 χ^2/NDF: 9567.3/20

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

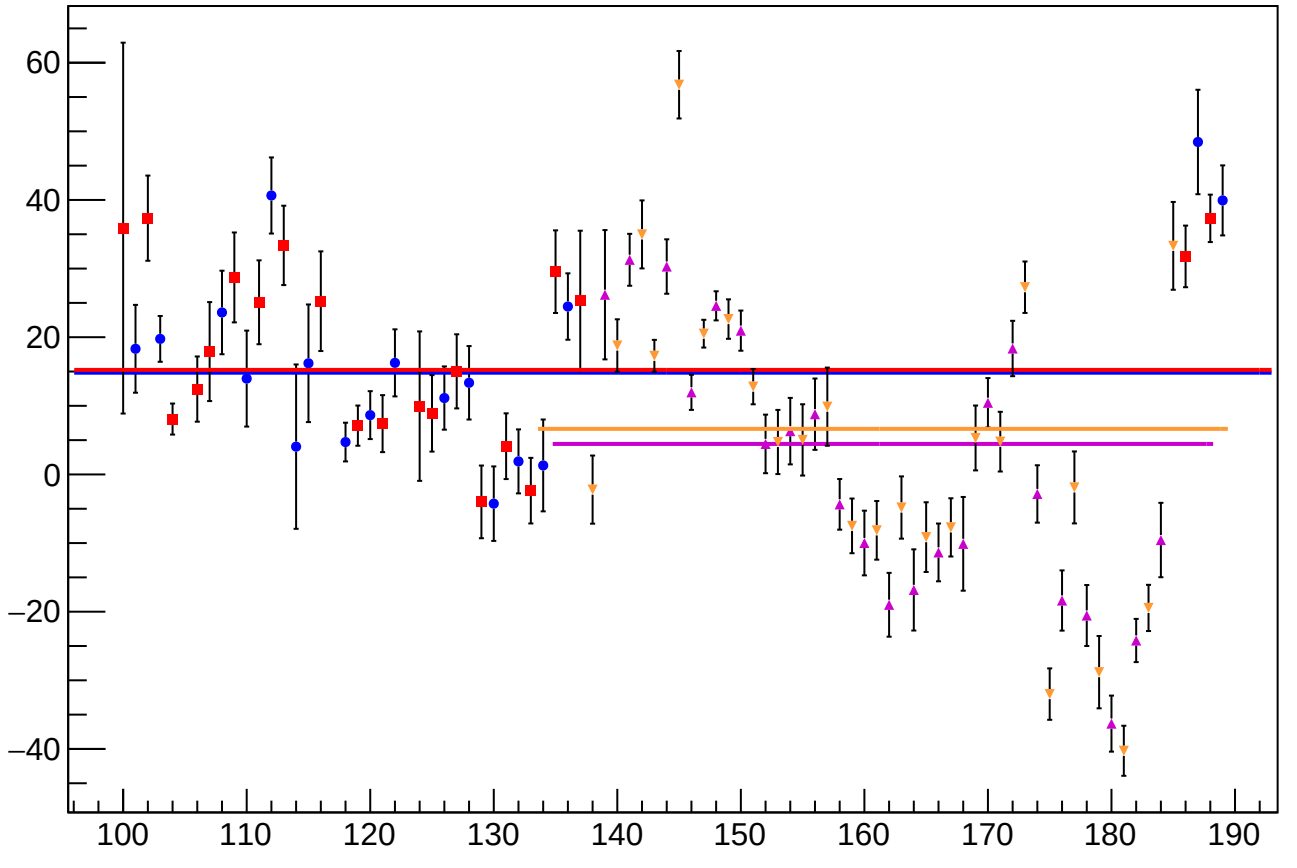
Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

Right: -223.897+/-0.738 χ^2/NDF: 14923.7/38

In: -225.654+/-0.774 χ^2/NDF:8551.3/40

Out: -224.340+/-0.708 χ^2/NDF:13644.0/45

All: -224.938+/-0.523 χ^2/NDF: 22196.8/86



Right In: 14.828+/-1.157 χ^2/NDF: 115.7/17

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 15.237+/-1.038 χ^2/NDF: 148.3/20

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

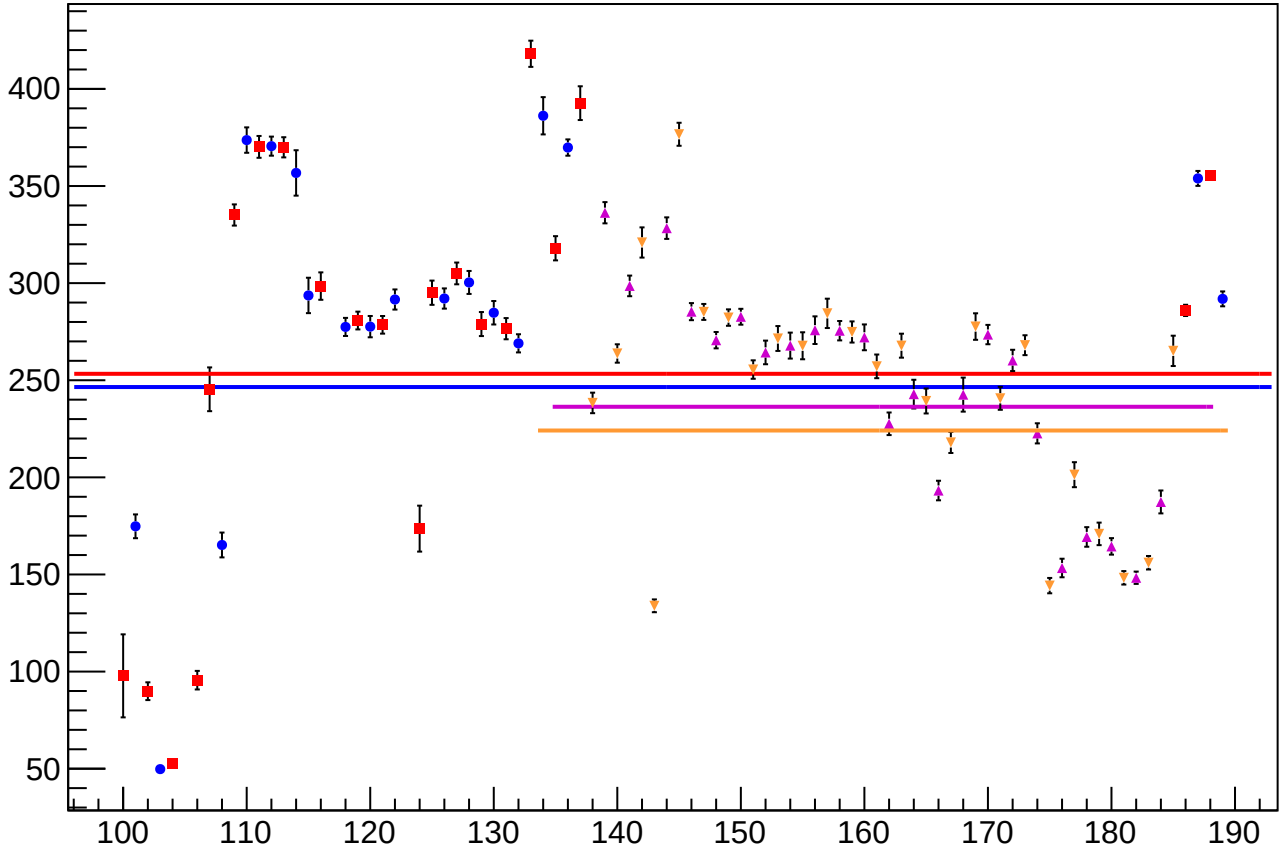
Right: 15.055+/-0.773 χ^2/NDF: 264.0/38

In: 7.844+/-0.662 χ^2/NDF:736.9/40

Out: 9.604+/-0.609 χ^2/NDF:928.2/45

All: 8.797+/-0.448 χ^2/NDF: 1668.9/86

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 246.501+/-1.143 χ^2/NDF: 10464.7/17

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 253.312+/-0.968 χ^2/NDF: 15401.6/20

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

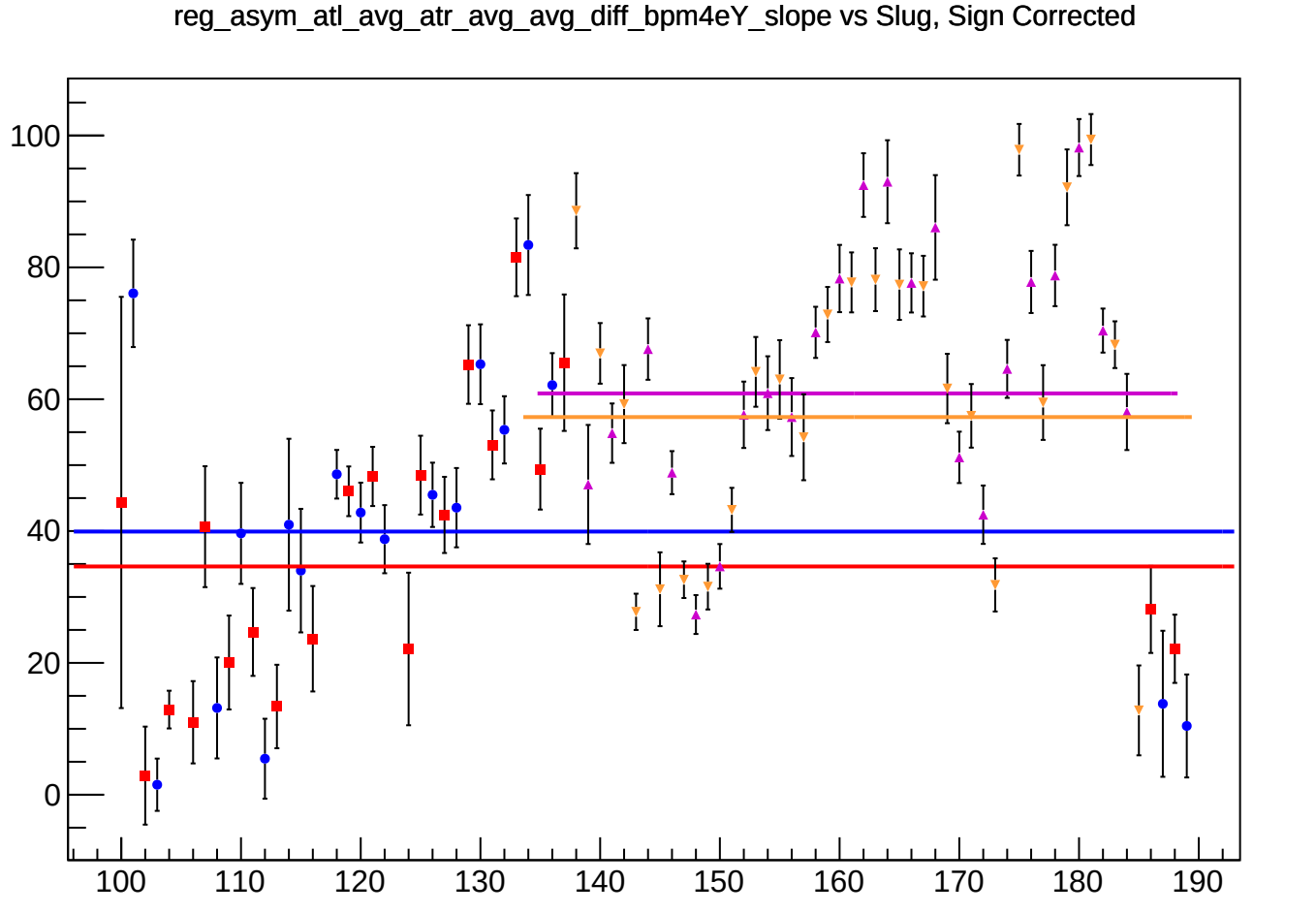
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 250.467+/-0.739 χ^2/NDF: 25887.0/38

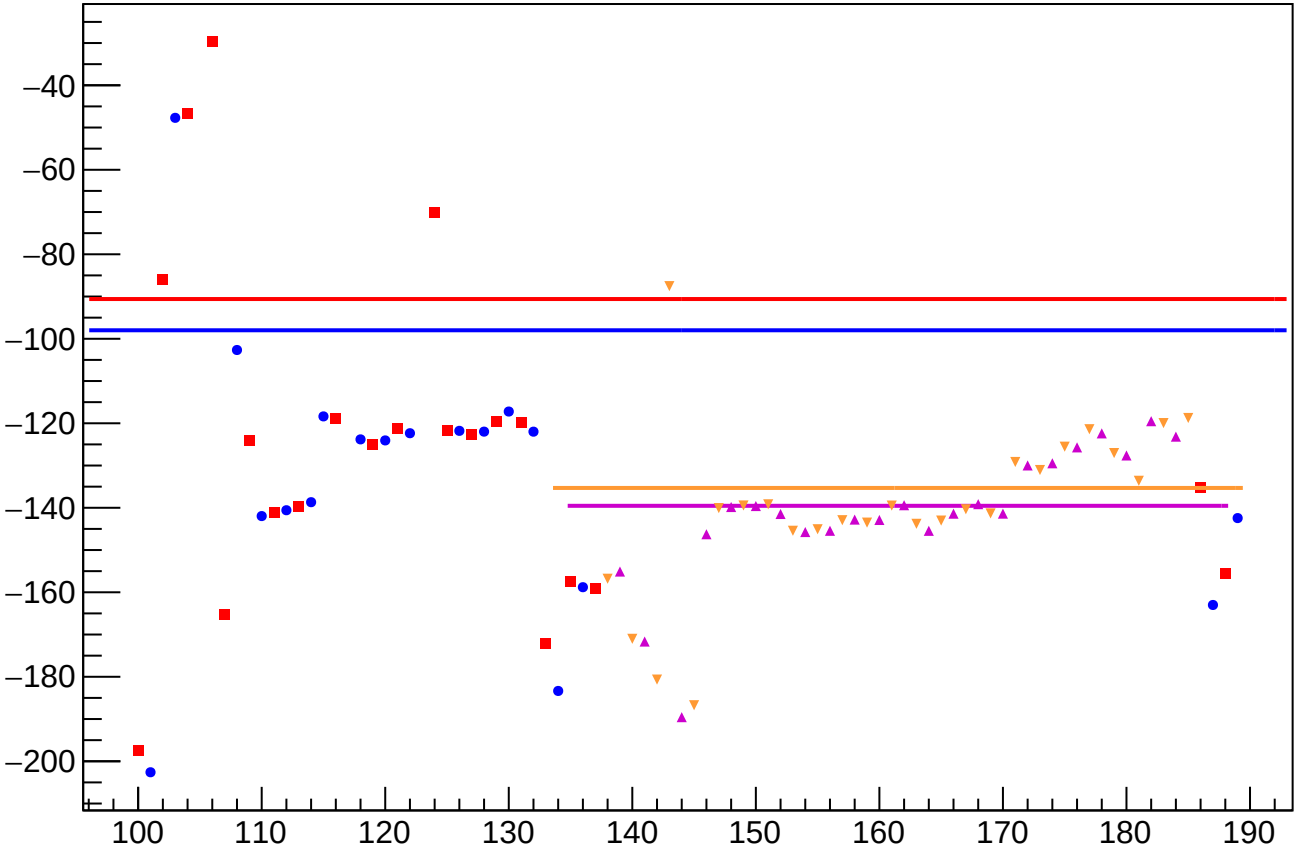
In: 241.071+/-0.780 χ^2/NDF:13499.9/40

Out: 239.389+/-0.700 χ^2/NDF:19801.9/45

All: 240.140+/-0.521 χ^2/NDF: 33304.4/86


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
100
110
120
130
140
150
160
170
180
190
Right In: 39.922+/-1.365 χ²/NDF: 266.5/17
Left Out: 57.288+/-0.868 χ²/NDF:767.9/24
Right Out: 34.625+/-1.253 χ²/NDF: 260.6/20
Left In: 60.877+/-0.923 χ²/NDF:454.7/22
Left: 58.973+/-0.632 χ²/NDF: 1230.6/47
Right: 37.047+/-0.923 χ²/NDF: 535.3/38
In: 54.307+/-0.764 χ²/NDF:883.0/40
Out: 49.940+/-0.714 χ²/NDF:1249.5/45
All: 51.974+/-0.522 χ²/NDF: 2150.0/86

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -97.988+/-0.068 χ^2/NDF: 548000.7/17

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -90.593+/-0.064 χ^2/NDF: 554479.5/20

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

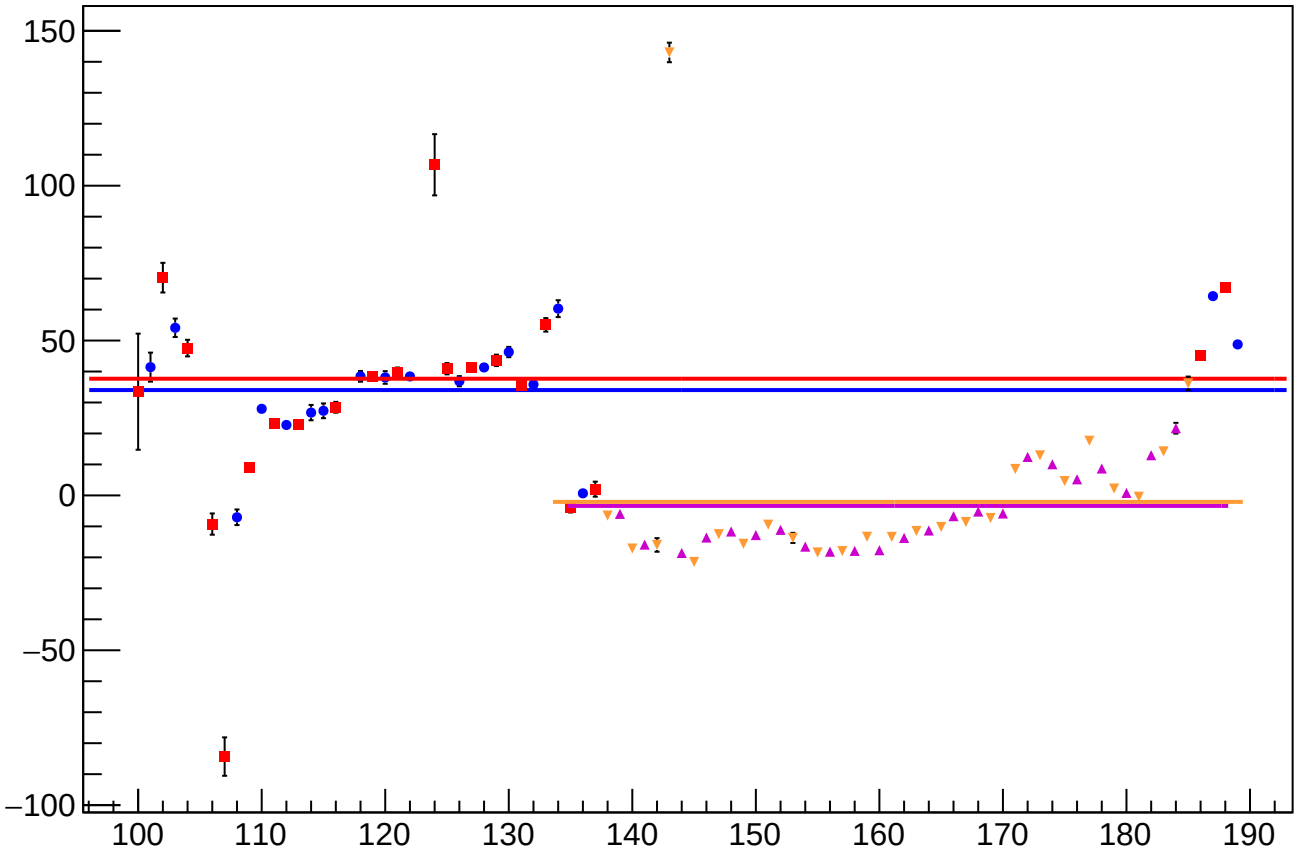
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -94.102+/-0.047 χ^2/NDF: 1108740.8/38

In: -127.956+/-0.036 χ^2/NDF:933715.3/40

Out: -122.594+/-0.034 χ^2/NDF:1162567.0/45

All: -125.165+/-0.025 χ^2/NDF: 2107983.6/86



Right In: 34.012+/-0.386 χ^2/NDF: 2151.2/17

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 37.674+/-0.331 χ^2/NDF: 4291.8/20

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

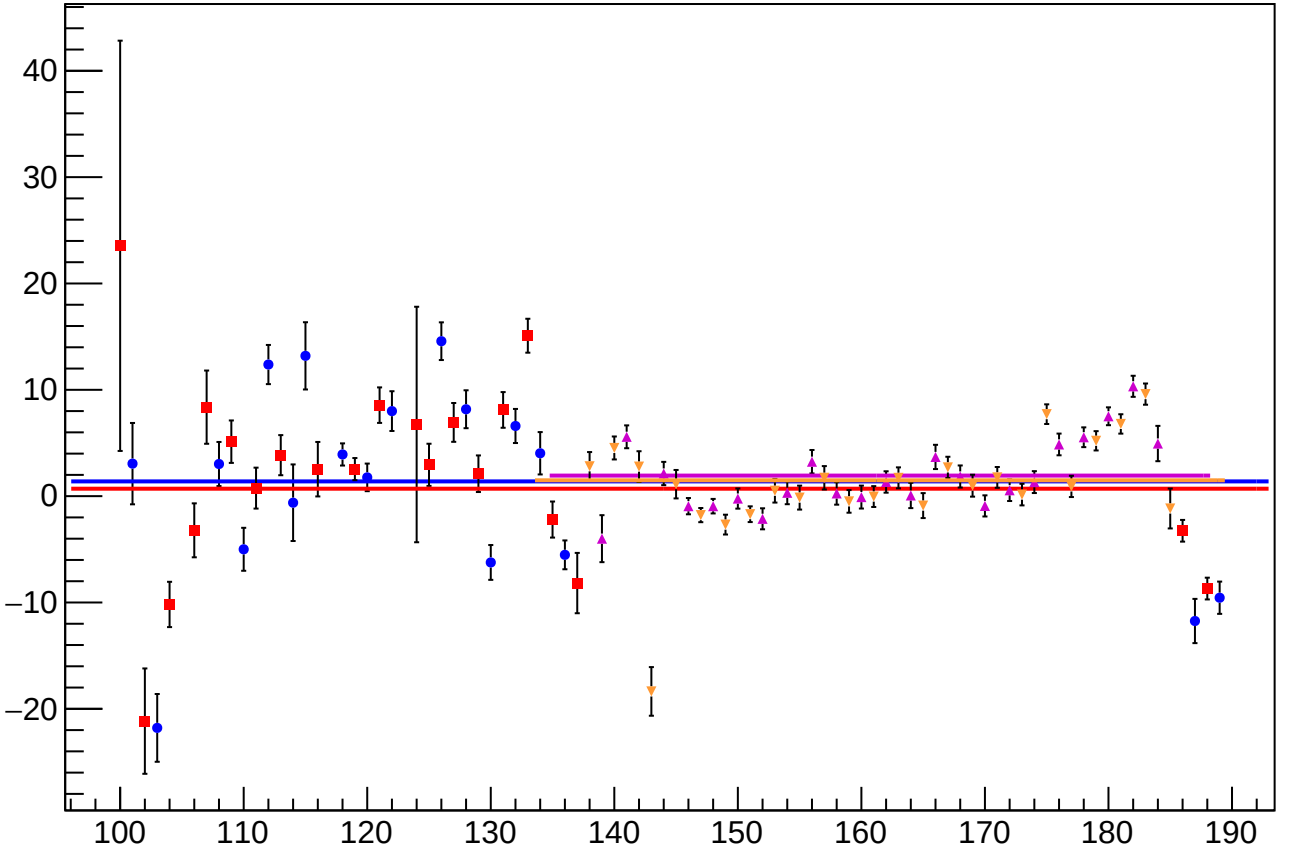
Right: 36.122+/-0.251 χ^2/NDF: 6494.8/38

In: 8.974+/-0.222 χ^2/NDF:10187.9/40

Out: 13.562+/-0.208 χ^2/NDF:17239.2/45

All: 11.420+/-0.152 χ^2/NDF: 27654.8/86

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.388+/-0.416 χ^2/NDF: 353.7/17

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.700+/-0.384 χ^2/NDF: 314.5/20

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

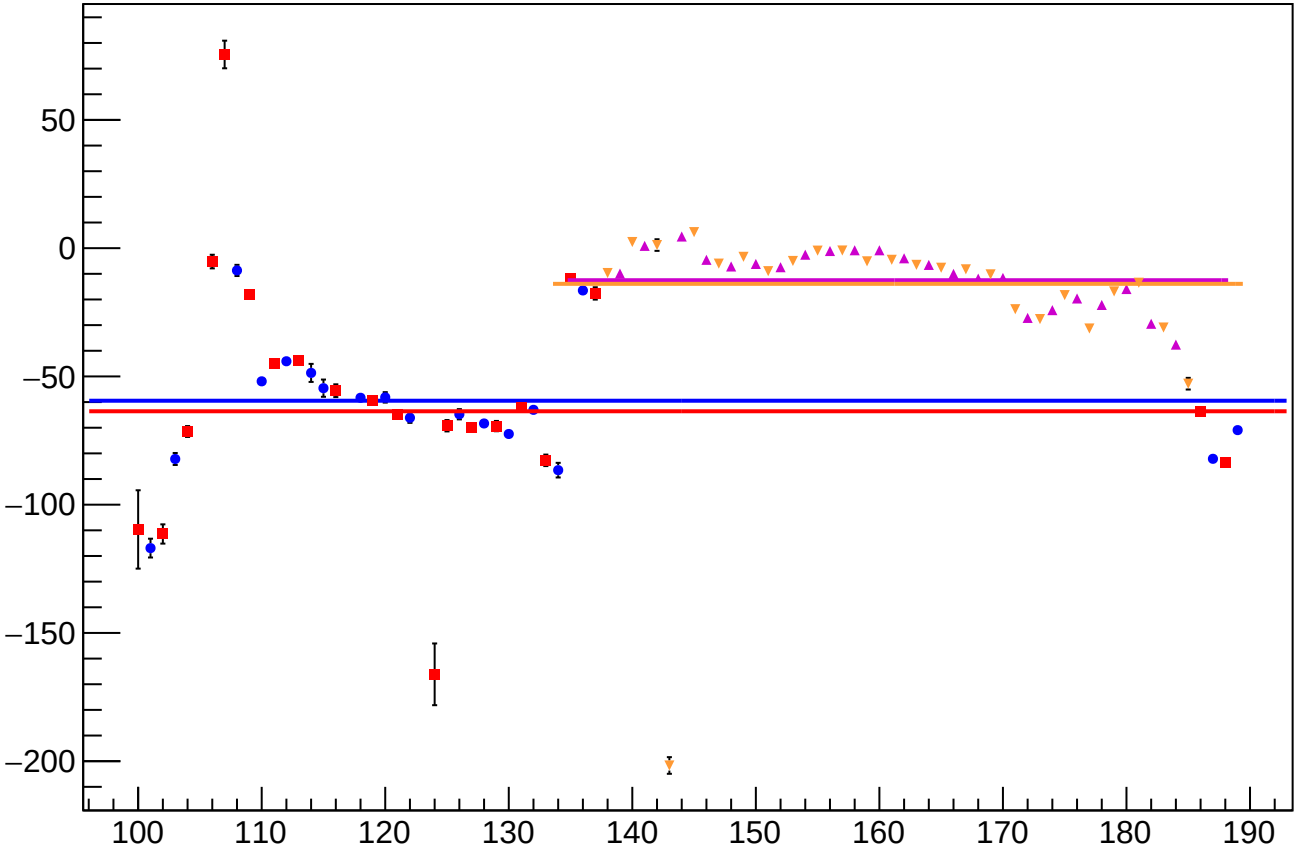
Right: 1.017+/-0.282 χ^2/NDF: 669.7/38

In: 1.822+/-0.188 χ^2/NDF:595.7/40

Out: 1.314+/-0.181 χ^2/NDF:646.3/45

All: 1.558+/-0.130 χ^2/NDF: 1245.9/86

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.475+/-0.412 χ^2/NDF: 3103.9/17

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -63.583+/-0.329 χ^2/NDF: 4922.8/20

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

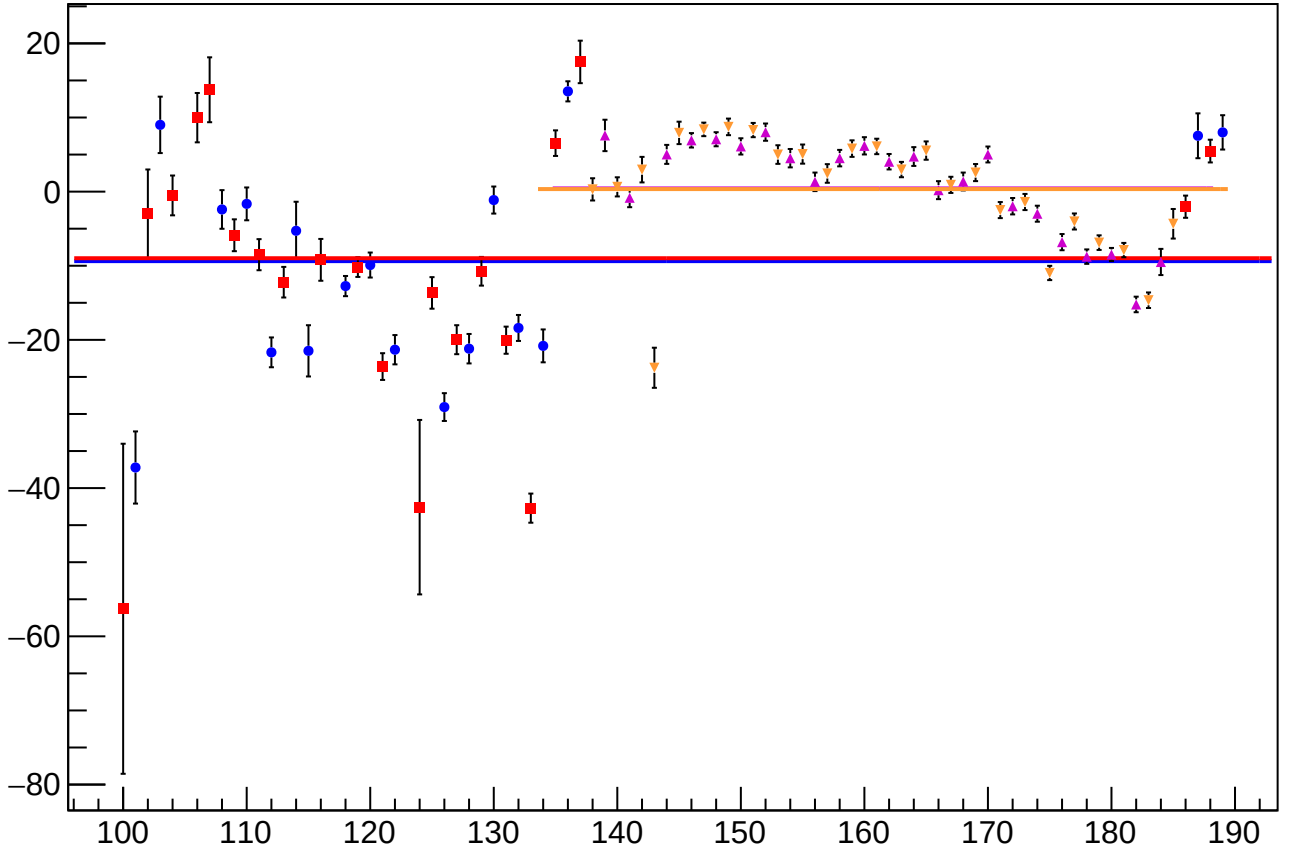
Right: -61.982+/-0.257 χ^2/NDF: 8087.3/38

In: -26.507+/-0.225 χ^2/NDF:13652.6/40

Out: -33.396+/-0.206 χ^2/NDF:23867.4/45

All: -30.250+/-0.152 χ^2/NDF: 38029.0/86

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.376+/-0.487 χ^2/NDF: 760.4/17

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.986+/-0.465 χ^2/NDF: 799.0/20

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

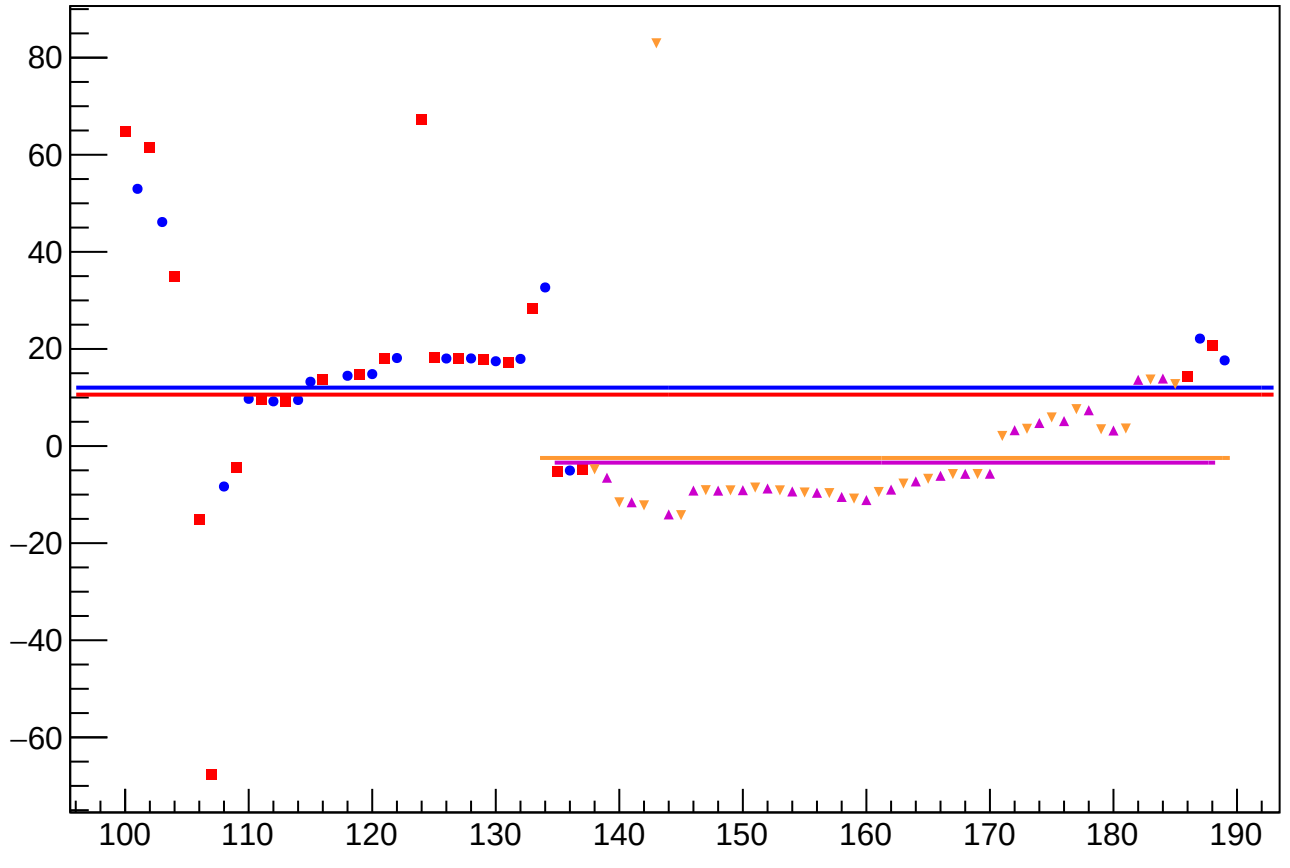
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -9.172+/-0.336 χ^2/NDF: 1559.8/38

In: -1.438+/-0.213 χ^2/NDF:1870.3/40

Out: -1.507+/-0.207 χ^2/NDF:2043.8/45

All: -1.473+/-0.148 χ^2/NDF: 3914.1/86



Right In: 12.036+/-0.028 χ^2/NDF: 356350.3/17

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 10.594+/-0.028 χ^2/NDF: 457213.9/20

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

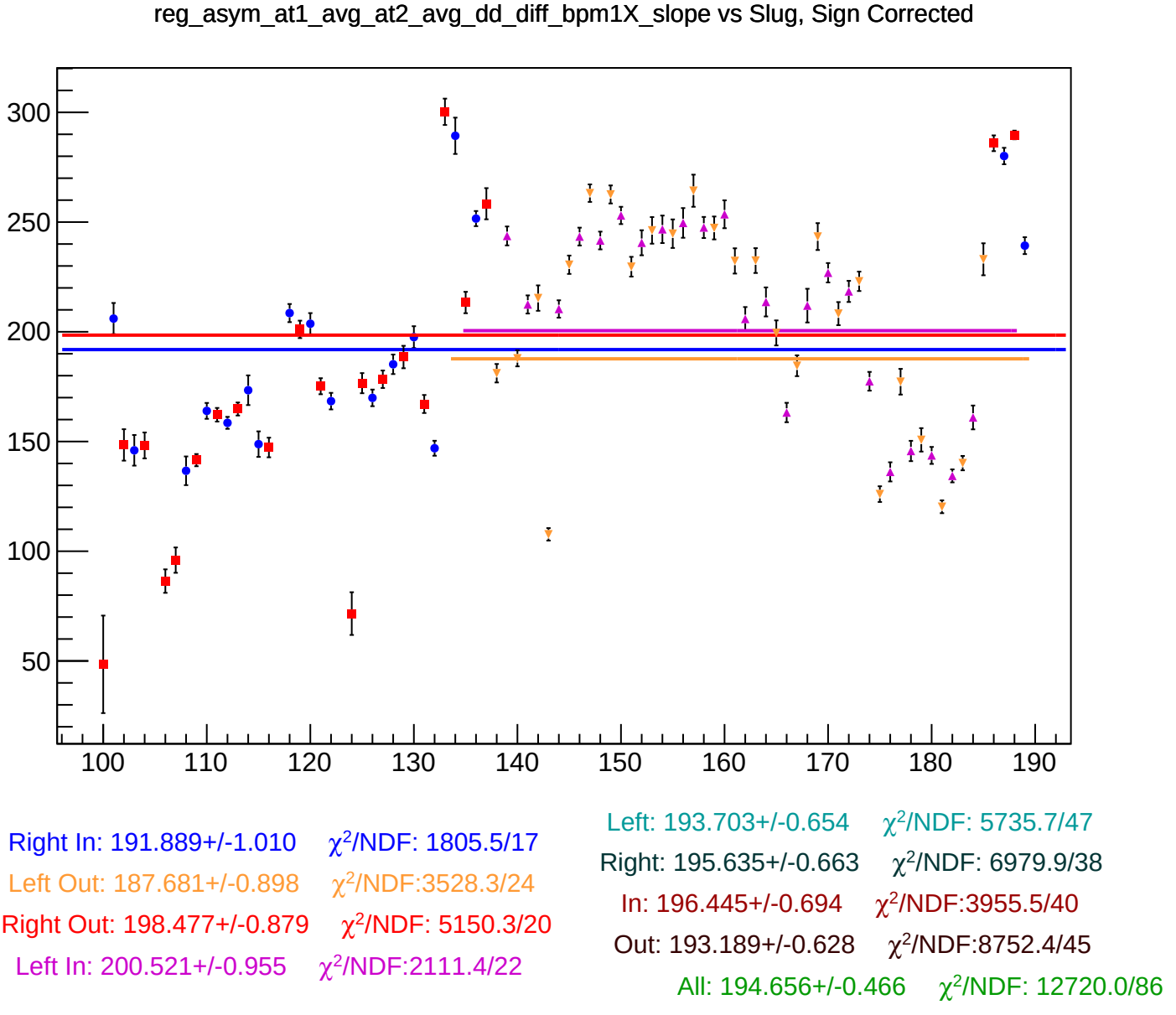
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

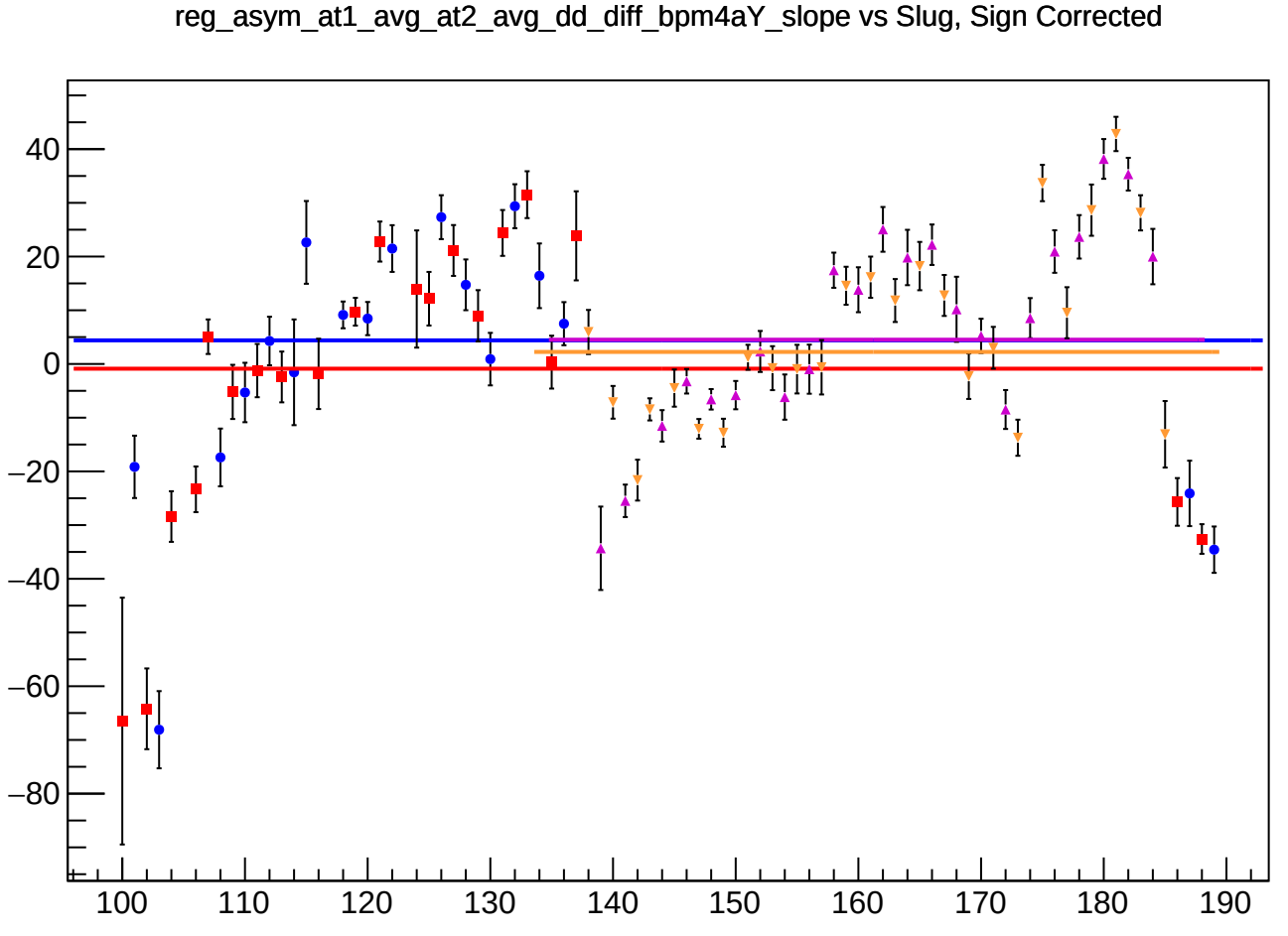
Right: 11.310+/-0.020 χ^2/NDF: 814860.7/38

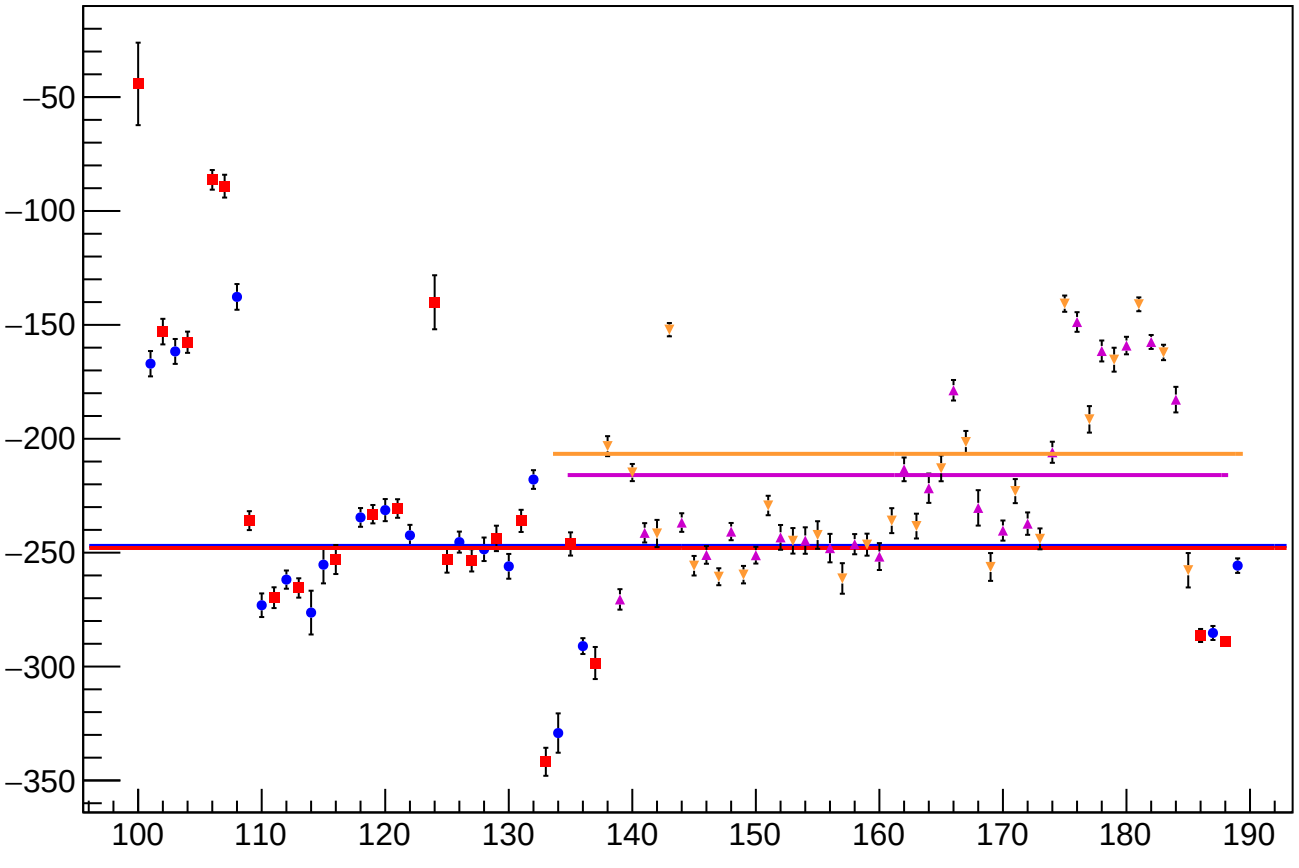
In: -1.579+/-0.010 χ^2/NDF:1163956.8/40

Out: -0.904+/-0.010 χ^2/NDF:1607456.0/45

All: -1.239+/-0.007 χ^2/NDF: 2773800.2/86


reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
190
Right In: 191.889+/-1.010 χ²/NDF: 1805.5/17
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 198.477+/-0.879 χ²/NDF: 5150.3/20
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
Left: 193.703+/-0.654 χ²/NDF: 5735.7/47
Right: 195.635+/-0.663 χ²/NDF: 6979.9/38
In: 196.445+/-0.694 χ²/NDF:3955.5/40
Out: 193.189+/-0.628 χ²/NDF:8752.4/45
All: 194.656+/-0.466 χ²/NDF: 12720.0/86


reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: 4.396+/-1.061 χ²/NDF: 346.5/17
Left Out: 2.245+/-0.665 χ²/NDF:600.9/24
Right Out: -0.880+/-0.967 χ²/NDF: 499.6/20
Left In: 4.513+/-0.714 χ²/NDF:547.1/22
Left: 3.298+/-0.486 χ²/NDF: 1153.4/47
Right: 1.514+/-0.715 χ²/NDF: 859.6/38
In: 4.476+/-0.593 χ²/NDF:893.6/40
Out: 1.243+/-0.548 χ²/NDF:1107.6/45
All: 2.733+/-0.402 χ²/NDF: 2017.3/86



Right In: -247.036+/-1.086 χ^2/NDF: 1360.6/17

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

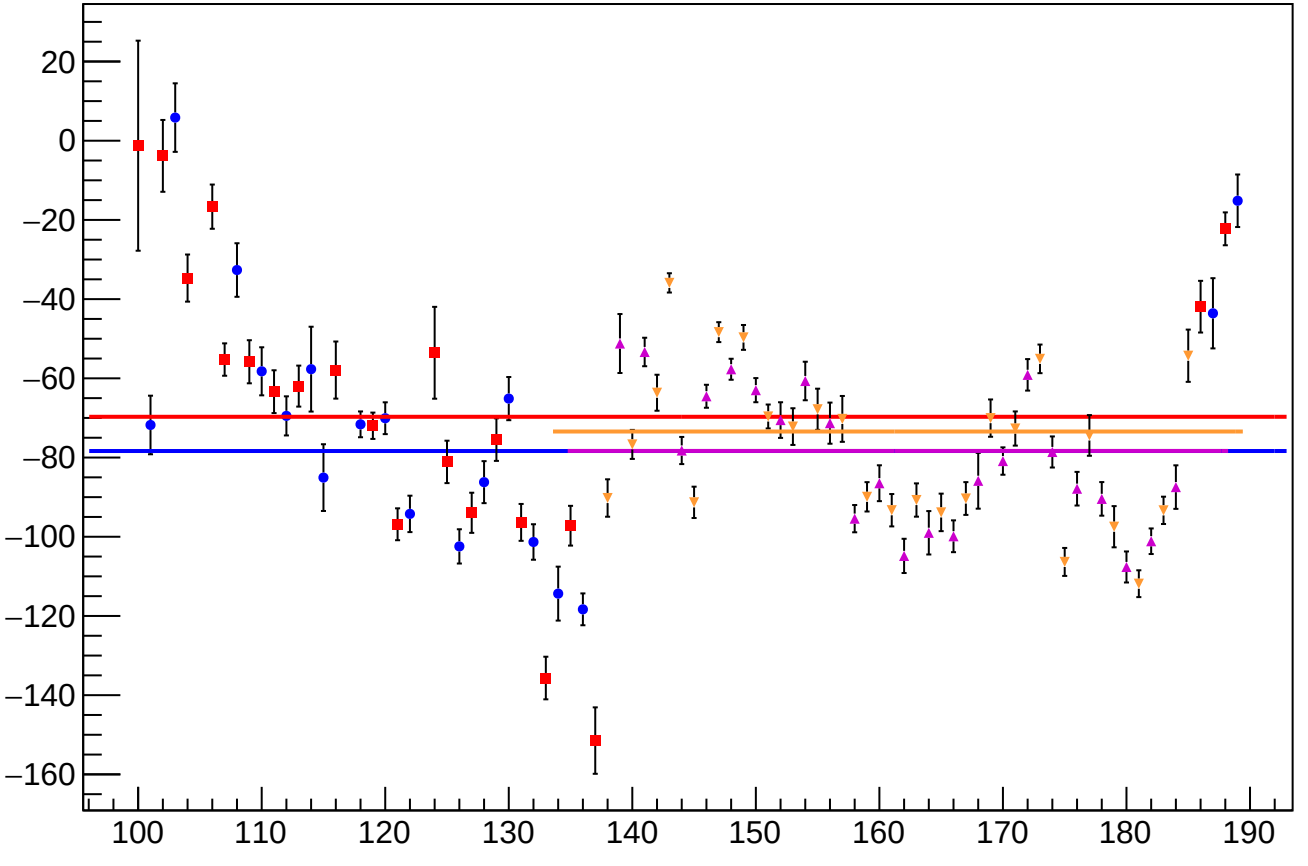
Right: -247.579+/-0.692 χ^2/NDF: 5855.5/38

In: -229.358+/-0.713 χ^2/NDF:3538.8/40

Out: -227.217+/-0.634 χ^2/NDF:8025.8/45

All: -228.161+/-0.474 χ^2/NDF: 11569.6/86

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -69.707+/-1.161 χ^2/NDF: 743.0/20

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

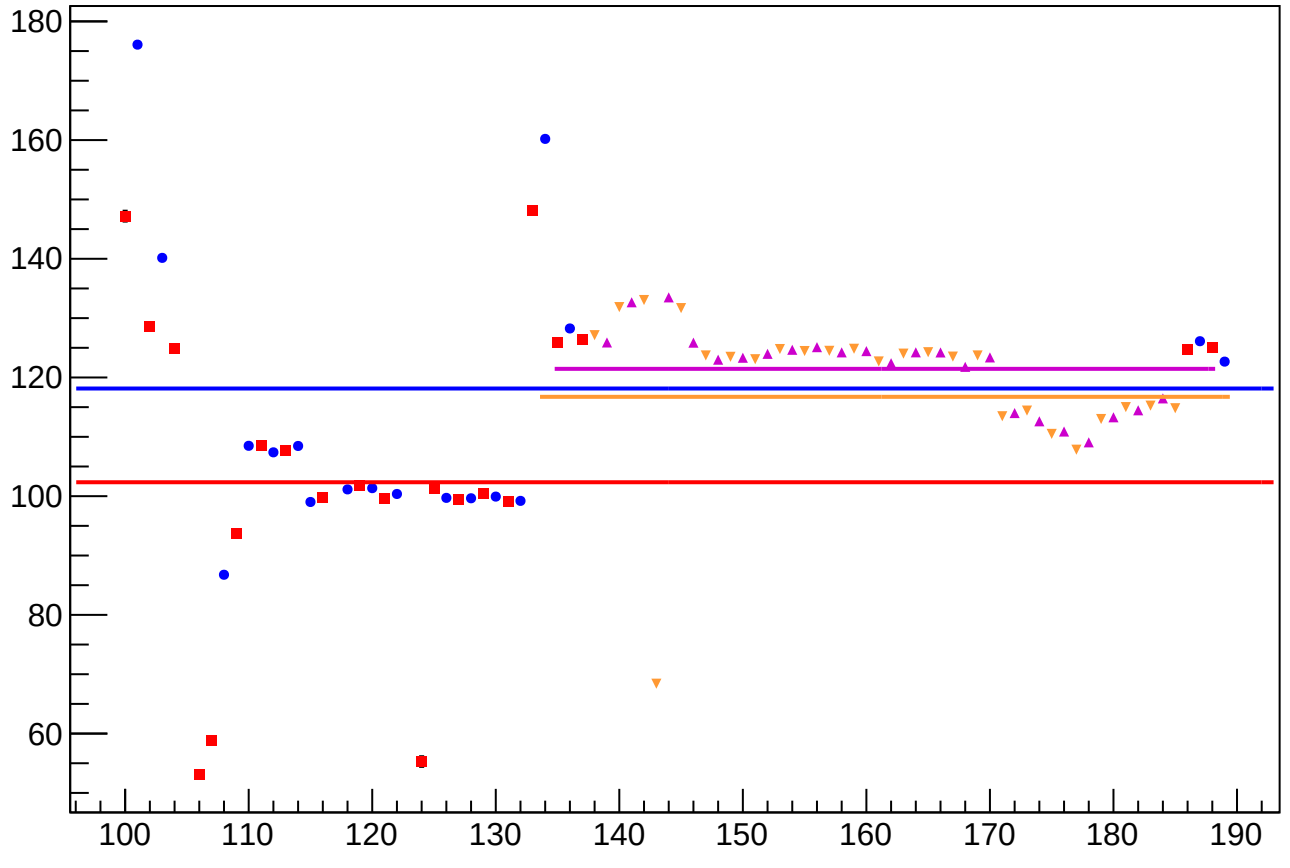
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -73.707+/-0.851 χ^2/NDF: 1247.1/38

In: -78.336+/-0.684 χ^2/NDF:921.7/40

Out: -72.296+/-0.640 χ^2/NDF:1586.7/45

All: -75.114+/-0.467 χ^2/NDF: 2550.0/86



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

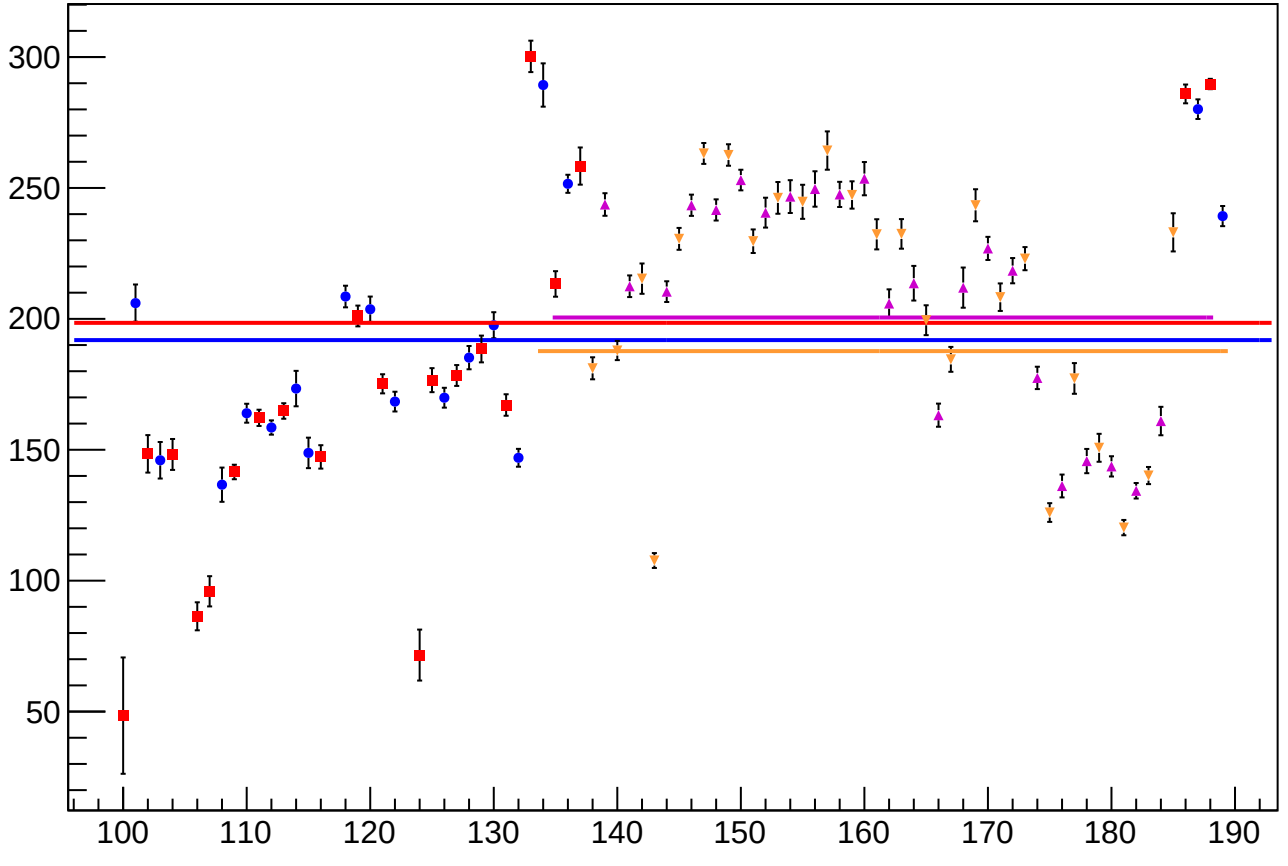
Right: 109.276+/-0.050 χ^2/NDF: 301027.4/38

In: 120.800+/-0.033 χ^2/NDF:126257.0/40

Out: 113.496+/-0.032 χ^2/NDF:420358.6/45

All: 116.939+/-0.023 χ^2/NDF: 571926.1/86

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 191.889+/-1.010 χ^2/NDF: 1805.5/17

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

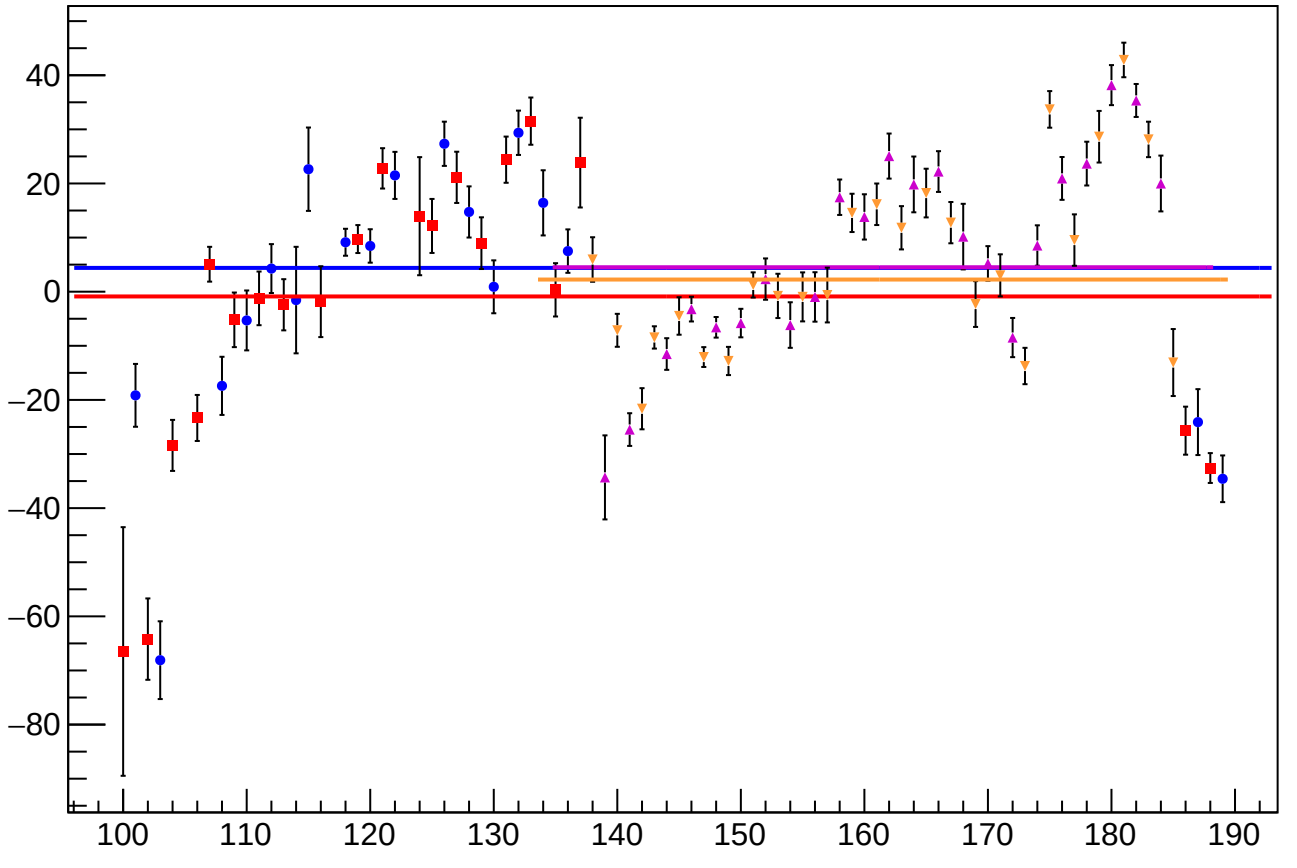
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 195.635+/-0.663 χ^2/NDF: 6979.9/38

In: 196.445+/-0.694 χ^2/NDF:3955.5/40

Out: 193.189+/-0.628 χ^2/NDF:8752.4/45

All: 194.656+/-0.466 χ^2/NDF: 12720.0/86



Right In: 4.396+/-1.061 χ^2/NDF: 346.5/17

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -0.880+/-0.967 χ^2/NDF: 499.6/20

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

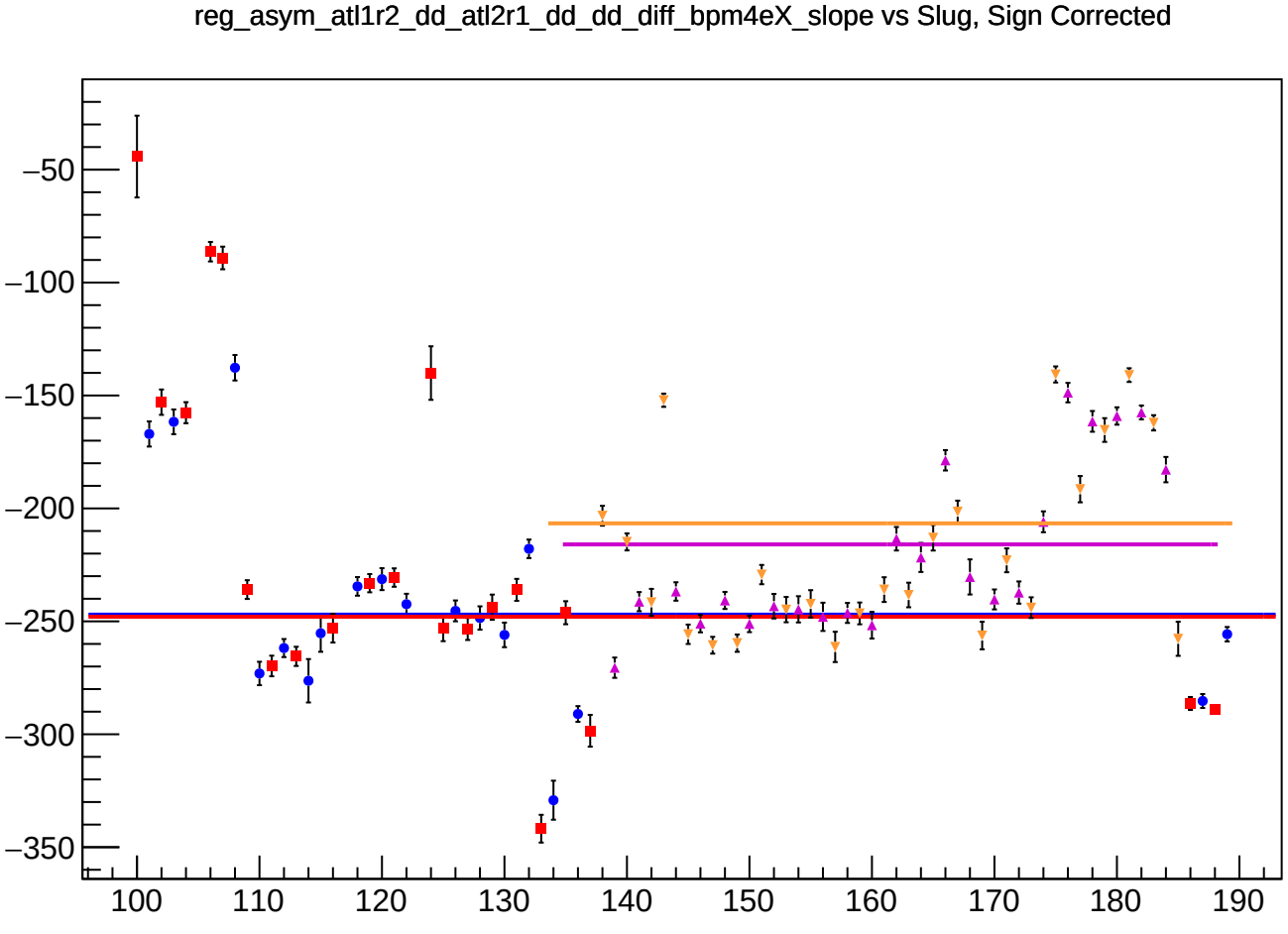
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 1.514+/-0.715 χ^2/NDF: 859.6/38

In: 4.476+/-0.593 χ^2/NDF:893.6/40

Out: 1.243+/-0.548 χ^2/NDF:1107.6/45

All: 2.733+/-0.402 χ^2/NDF: 2017.3/86



Right In: -247.036+/-1.086 χ^2/NDF: 1360.6/17

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

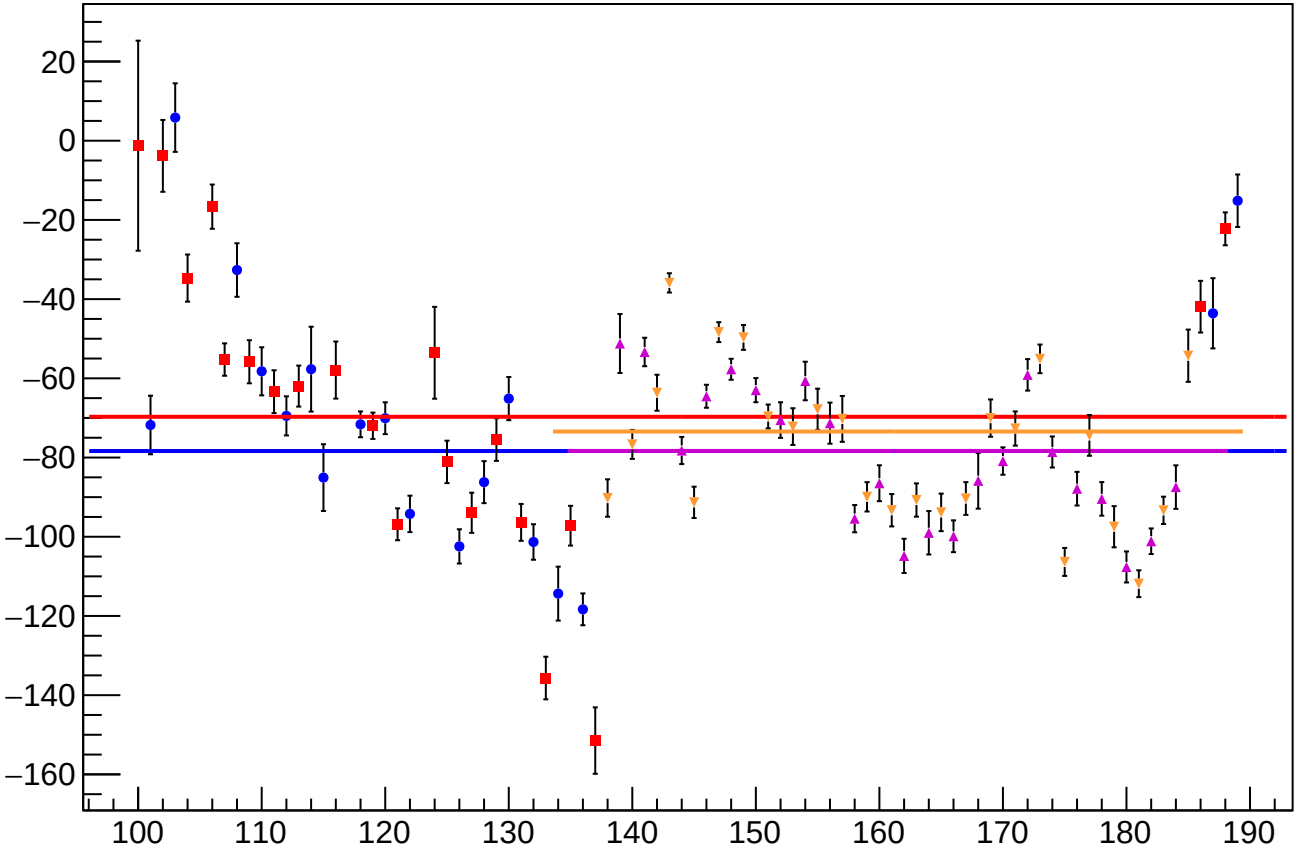
Right: -247.579+/-0.692 χ^2/NDF: 5855.5/38

In: -229.358+/-0.713 χ^2/NDF:3538.8/40

Out: -227.217+/-0.634 χ^2/NDF:8025.8/45

All: -228.161+/-0.474 χ^2/NDF: 11569.6/86

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.351+/-1.251 χ^2/NDF: 478.5/17

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -69.707+/-1.161 χ^2/NDF: 743.0/20

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

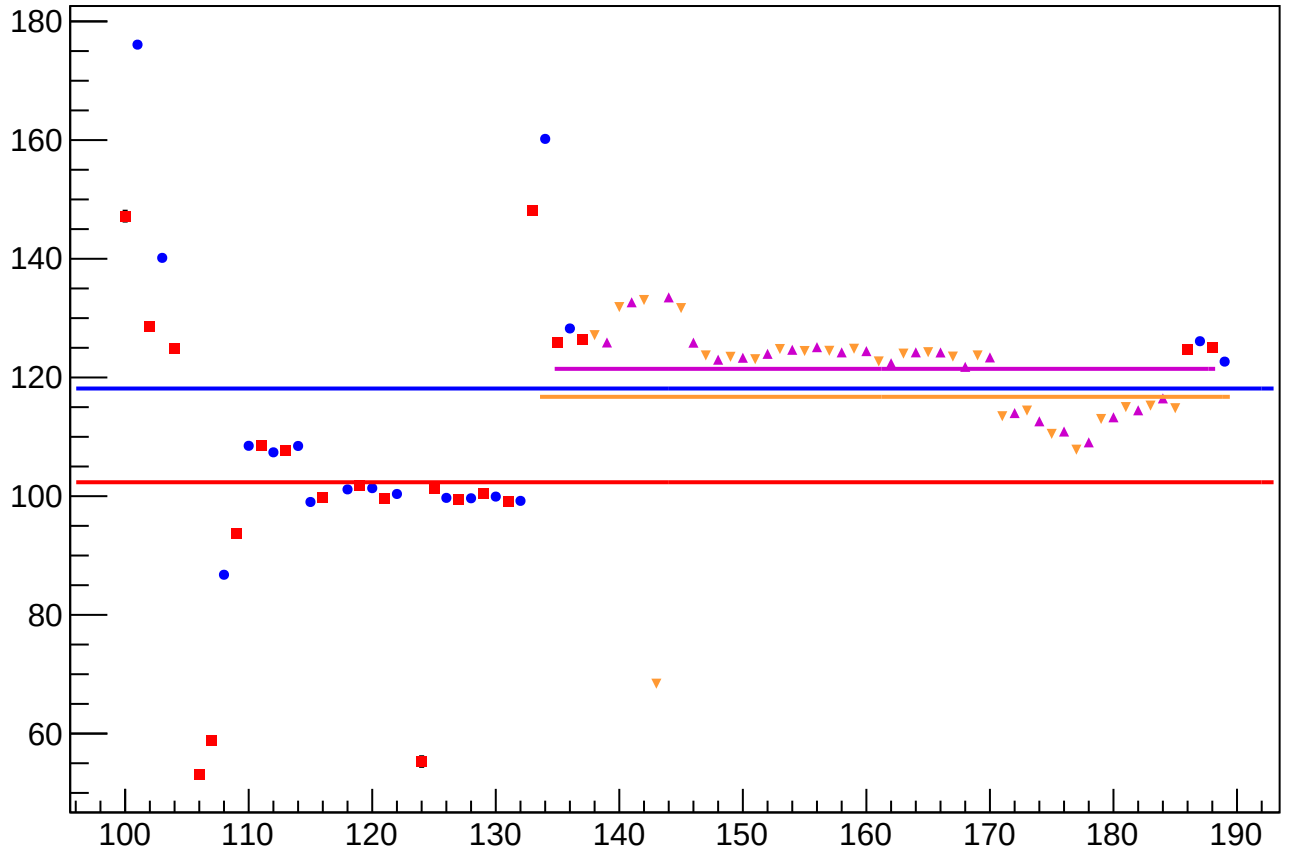
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -73.707+/-0.851 χ^2/NDF: 1247.1/38

In: -78.336+/-0.684 χ^2/NDF:921.7/40

Out: -72.296+/-0.640 χ^2/NDF:1586.7/45

All: -75.114+/-0.467 χ^2/NDF: 2550.0/86



Right In: 118.141+/-0.075 χ^2/NDF: 95897.9/17

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

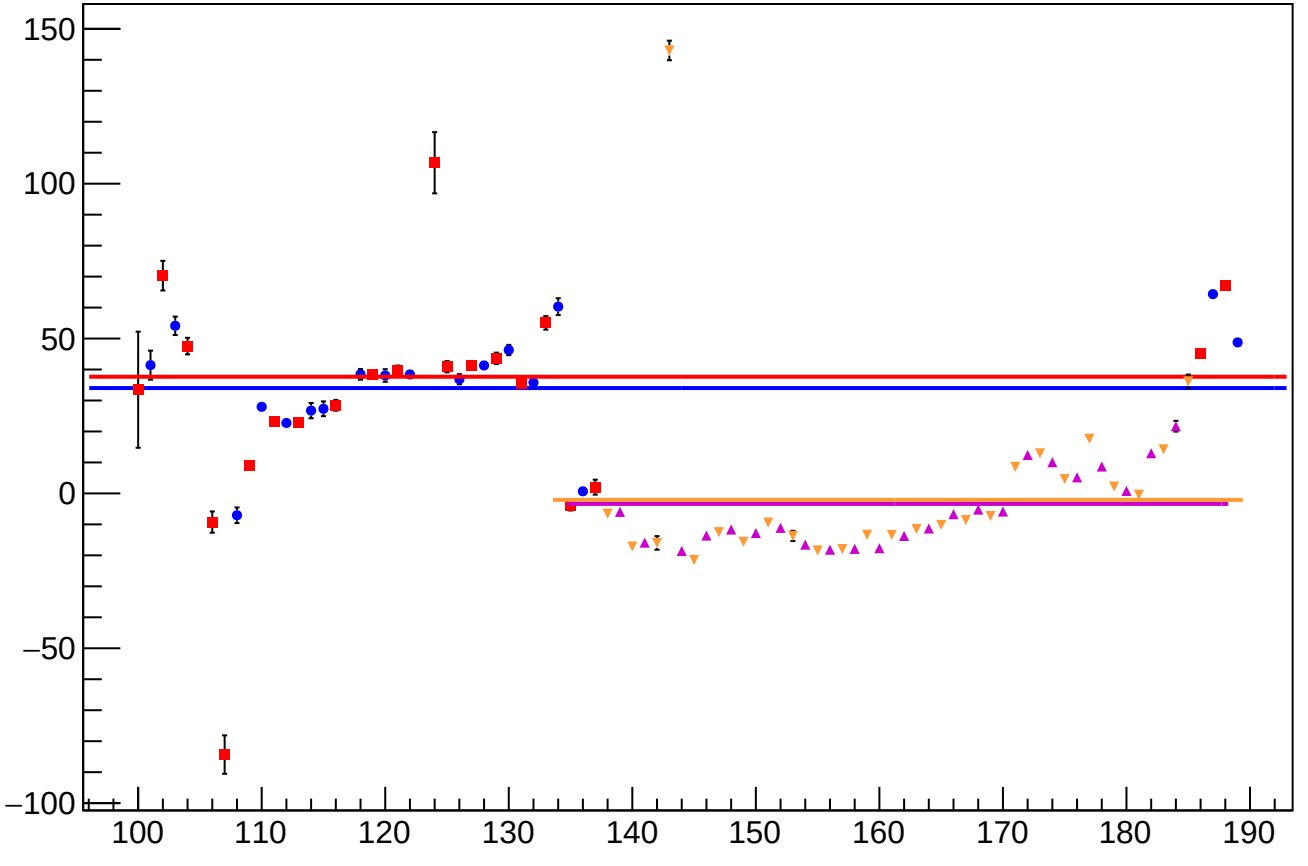
Right: 109.276+/-0.050 χ^2/NDF: 301027.4/38

In: 120.800+/-0.033 χ^2/NDF:126257.0/40

Out: 113.496+/-0.032 χ^2/NDF:420358.6/45

All: 116.939+/-0.023 χ^2/NDF: 571926.1/86

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 34.012+/-0.386 χ^2/NDF: 2151.2/17

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 37.674+/-0.331 χ^2/NDF: 4291.8/20

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

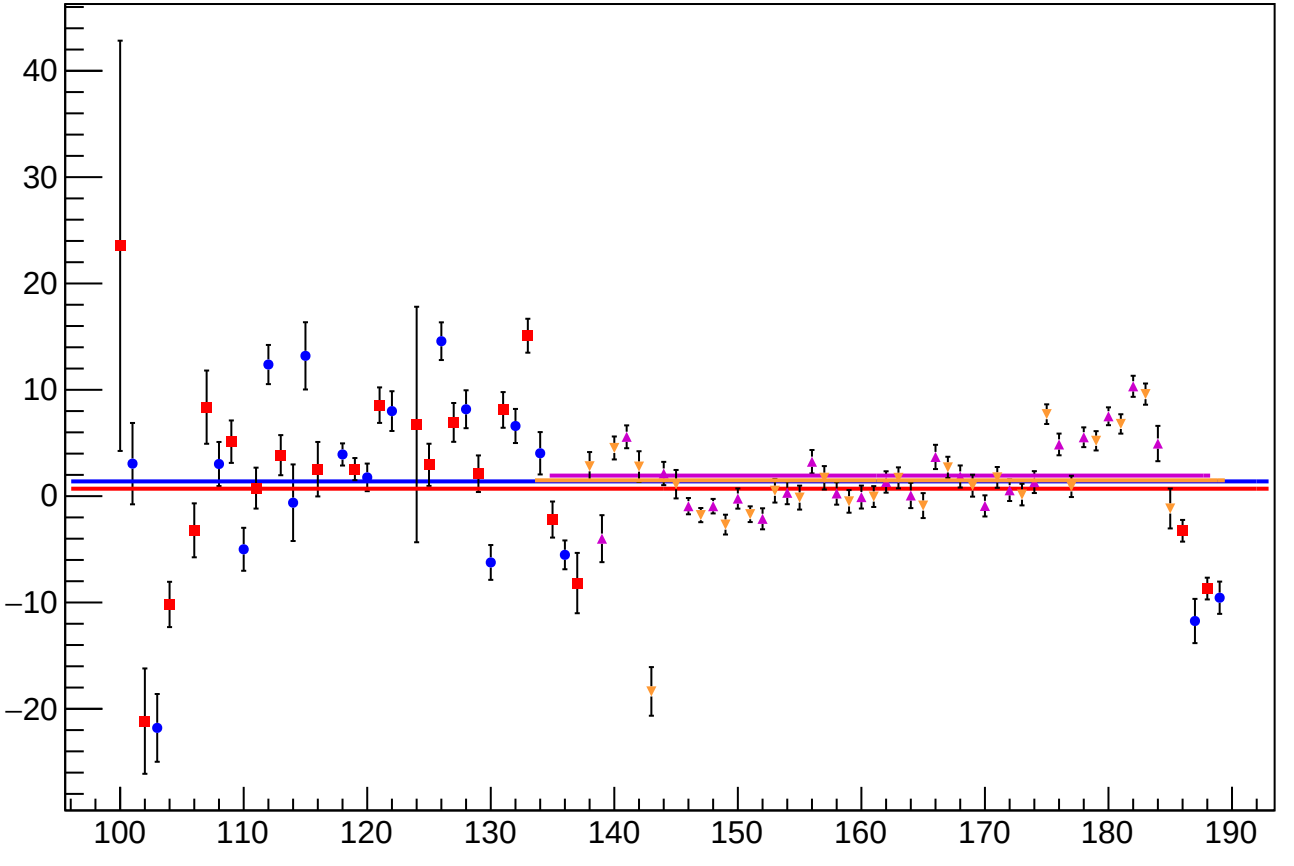
Right: 36.122+/-0.251 χ^2/NDF: 6494.8/38

In: 8.974+/-0.222 χ^2/NDF:10187.9/40

Out: 13.562+/-0.208 χ^2/NDF:17239.2/45

All: 11.420+/-0.152 χ^2/NDF: 27654.8/86

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.388+/-0.416 χ^2/NDF: 353.7/17

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.700+/-0.384 χ^2/NDF: 314.5/20

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

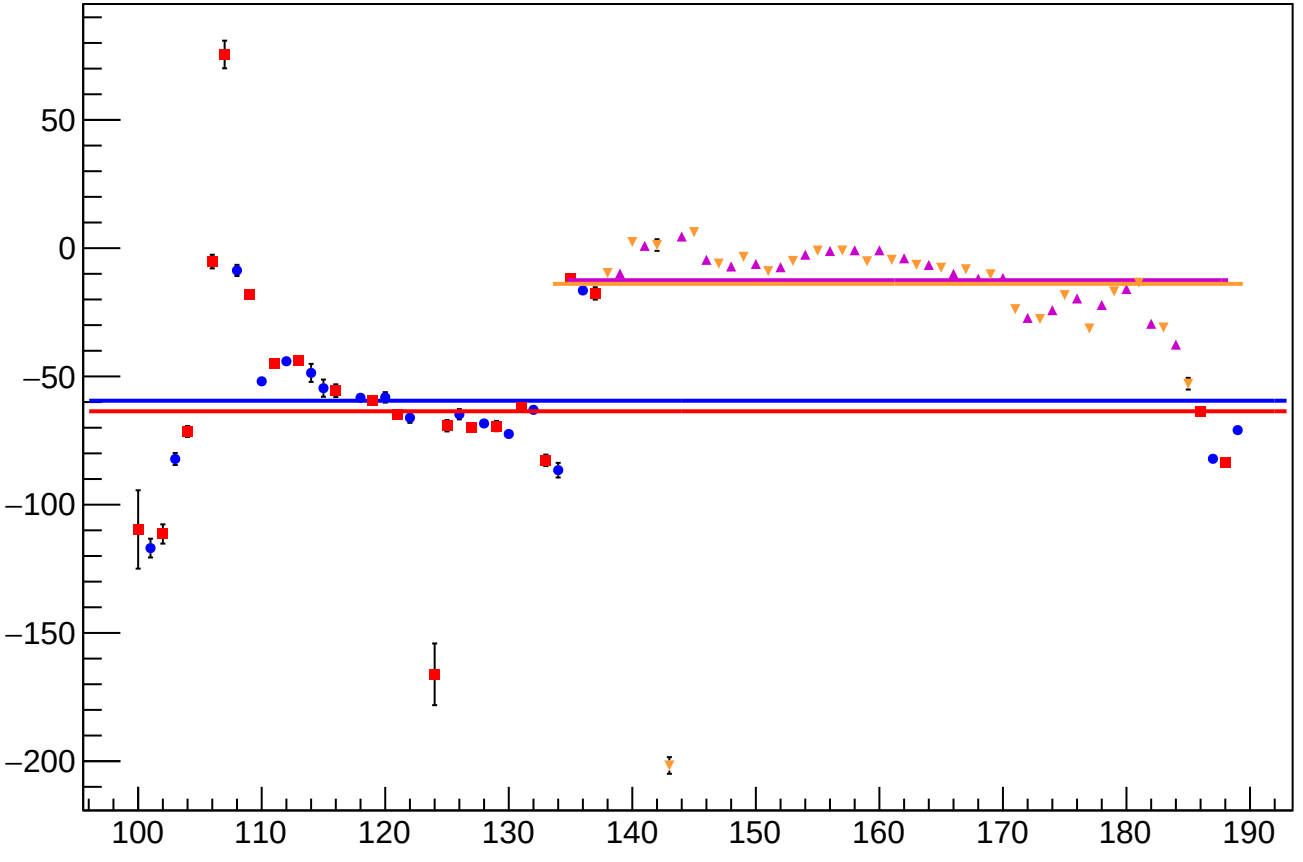
Right: 1.017+/-0.282 χ^2/NDF: 669.7/38

In: 1.822+/-0.188 χ^2/NDF:595.7/40

Out: 1.314+/-0.181 χ^2/NDF:646.3/45

All: 1.558+/-0.130 χ^2/NDF: 1245.9/86

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.475+/-0.412 χ^2/NDF: 3103.9/17

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -63.583+/-0.329 χ^2/NDF: 4922.8/20

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

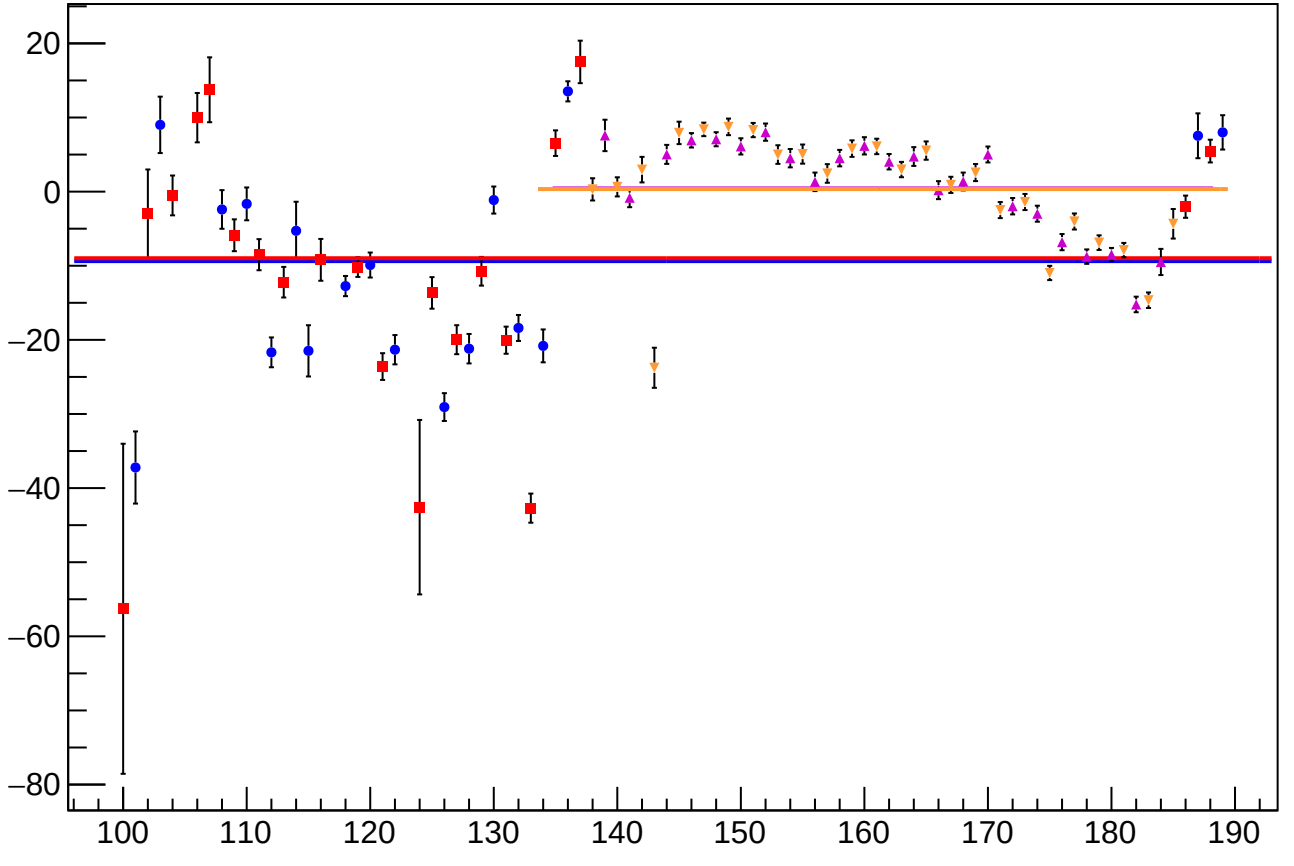
Right: -61.982+/-0.257 χ^2/NDF: 8087.3/38

In: -26.507+/-0.225 χ^2/NDF:13652.6/40

Out: -33.396+/-0.206 χ^2/NDF:23867.4/45

All: -30.250+/-0.152 χ^2/NDF: 38029.0/86

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.376+/-0.487 χ^2/NDF: 760.4/17

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.986+/-0.465 χ^2/NDF: 799.0/20

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

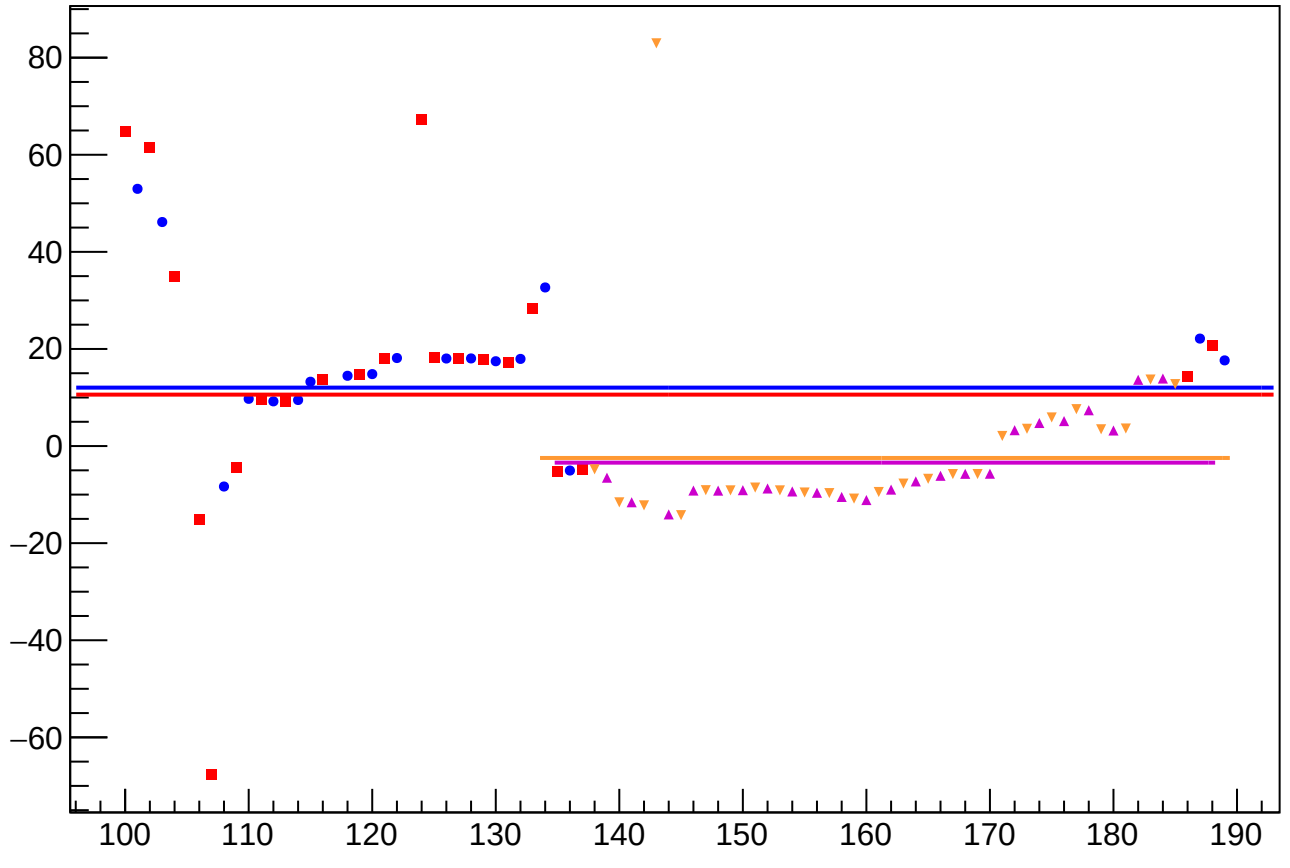
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -9.172+/-0.336 χ^2/NDF: 1559.8/38

In: -1.438+/-0.213 χ^2/NDF:1870.3/40

Out: -1.507+/-0.207 χ^2/NDF:2043.8/45

All: -1.473+/-0.148 χ^2/NDF: 3914.1/86



Right In: 12.036+/-0.028 χ^2/NDF: 356350.3/17

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 10.594+/-0.028 χ^2/NDF: 457213.9/20

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

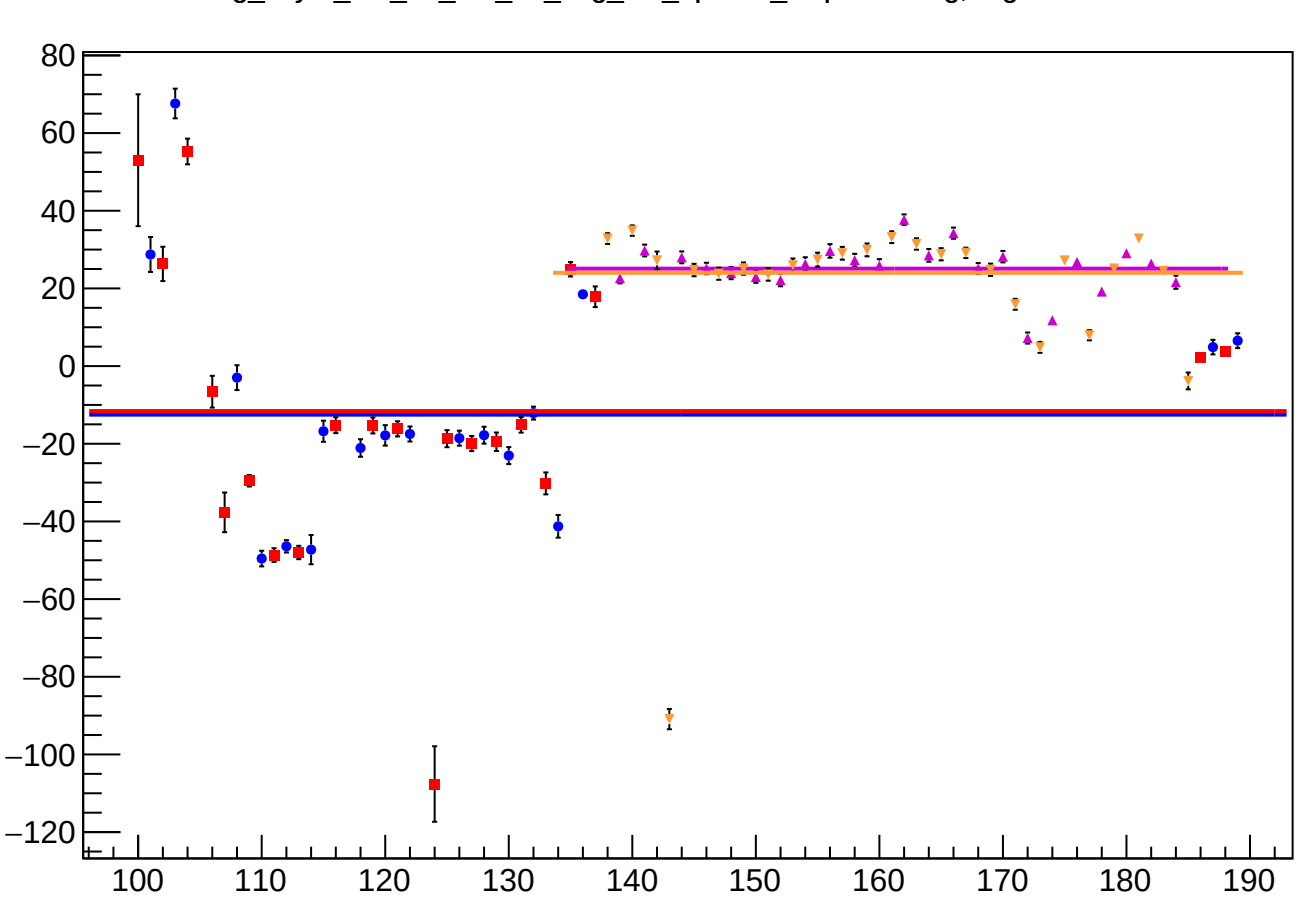
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 11.310+/-0.020 χ^2/NDF: 814860.7/38

In: -1.579+/-0.010 χ^2/NDF:1163956.8/40

Out: -0.904+/-0.010 χ^2/NDF:1607456.0/45

All: -1.239+/-0.007 χ^2/NDF: 2773800.2/86



Right In: -12.496+/-0.500 χ^2/NDF: 2338.6/17

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -11.584+/-0.443 χ^2/NDF: 2592.3/20

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

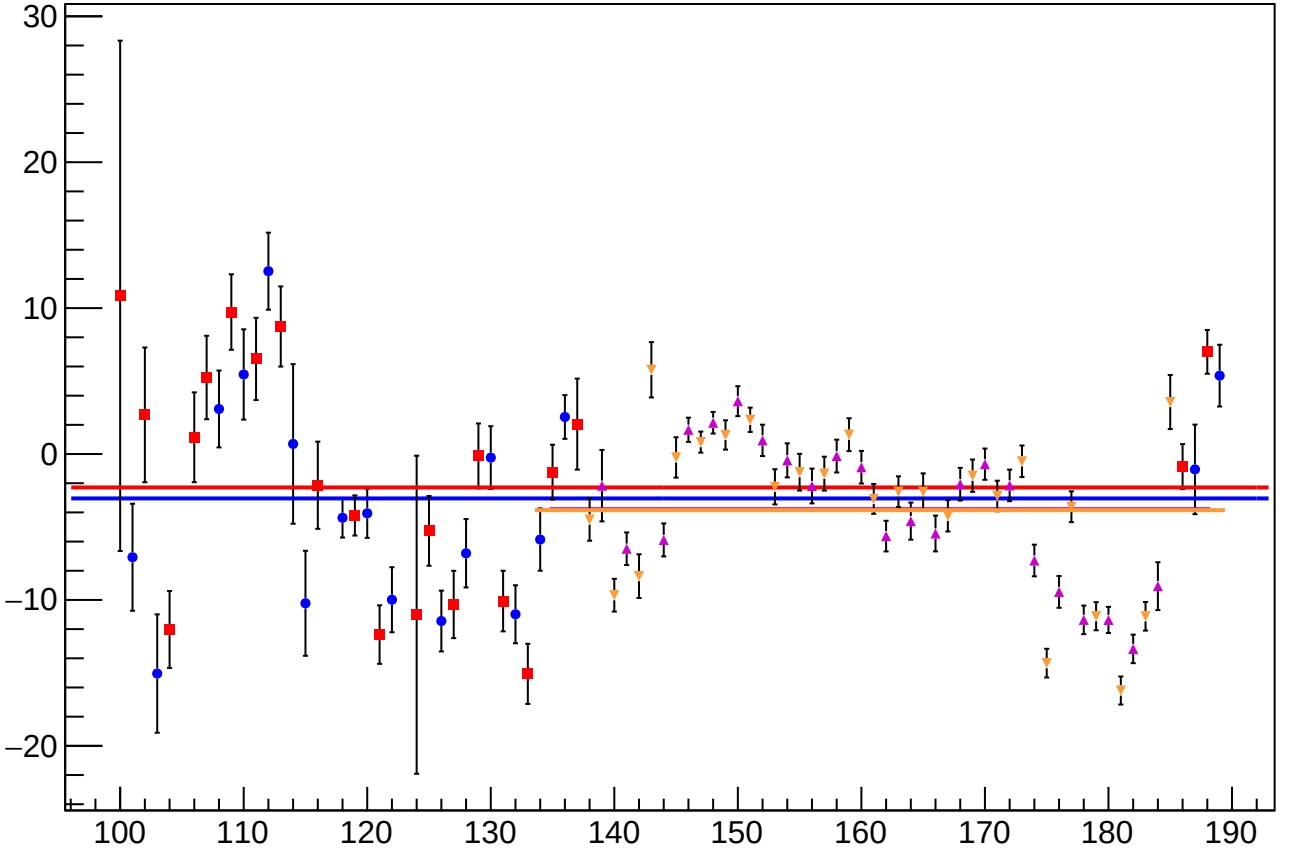
Right: -11.985+/-0.332 χ^2/NDF: 4932.8/38

In: 15.768+/-0.249 χ^2/NDF:7080.9/40

Out: 13.760+/-0.238 χ^2/NDF:9990.6/45

All: 14.718+/-0.172 χ^2/NDF: 17105.5/86

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.043+/-0.526 χ^2/NDF: 141.5/17

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.291+/-0.499 χ^2/NDF: 207.4/20

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

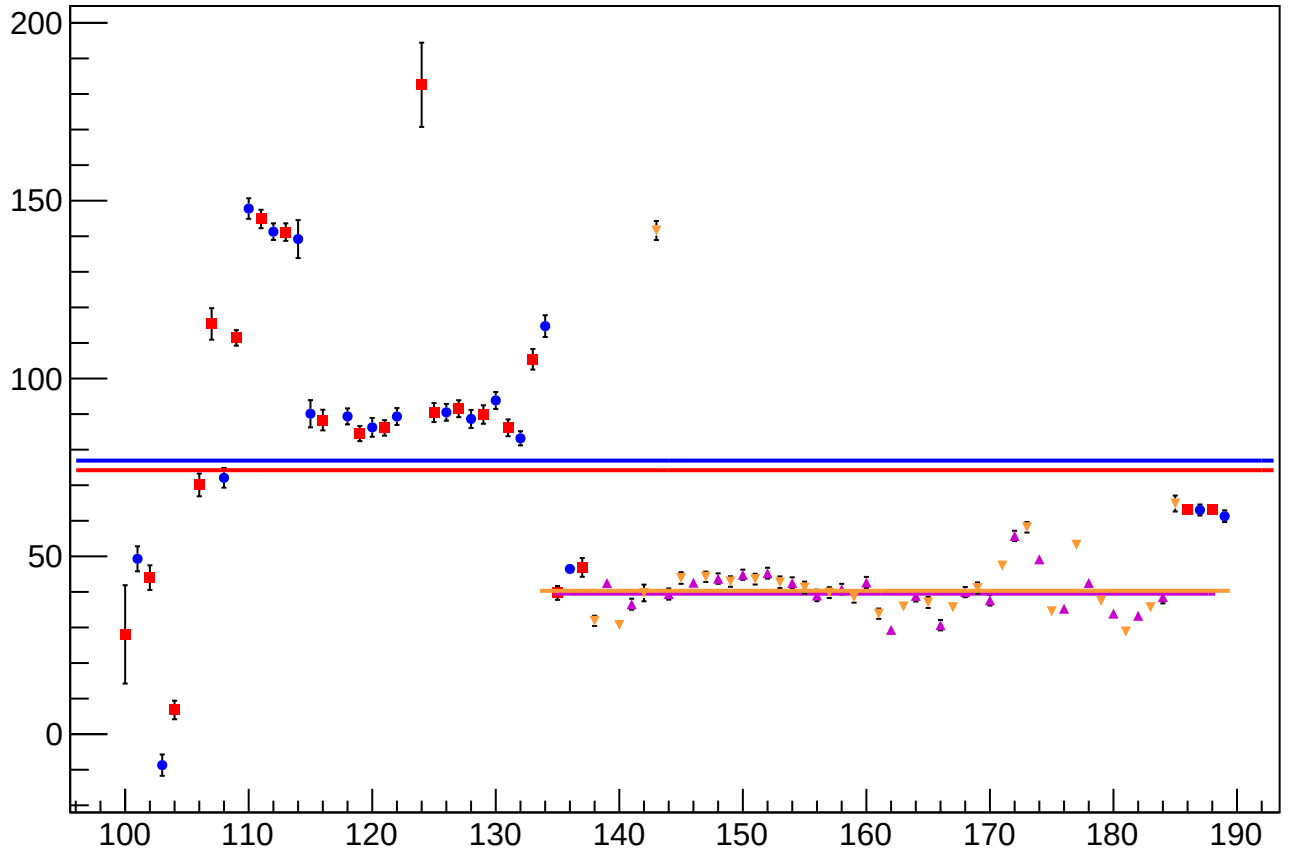
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -2.647+/-0.362 χ^2/NDF: 350.0/38

In: -3.667+/-0.206 χ^2/NDF:653.0/40

Out: -3.597+/-0.200 χ^2/NDF:864.9/45

All: -3.631+/-0.143 χ^2/NDF: 1518.0/86



Right In: 76.924+/-0.534 χ^2/NDF: 3451.6/17

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 74.218+/-0.448 χ^2/NDF: 3746.6/20

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

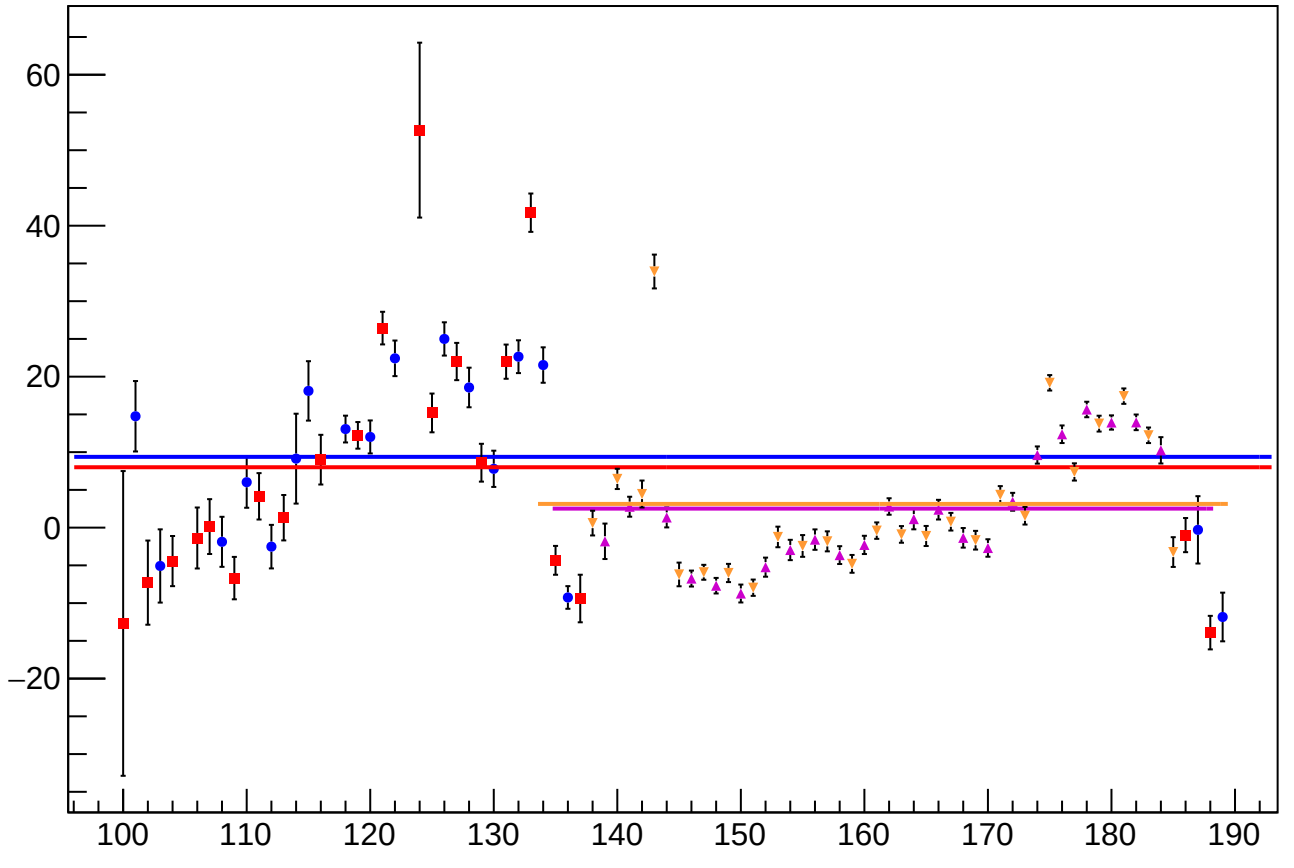
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

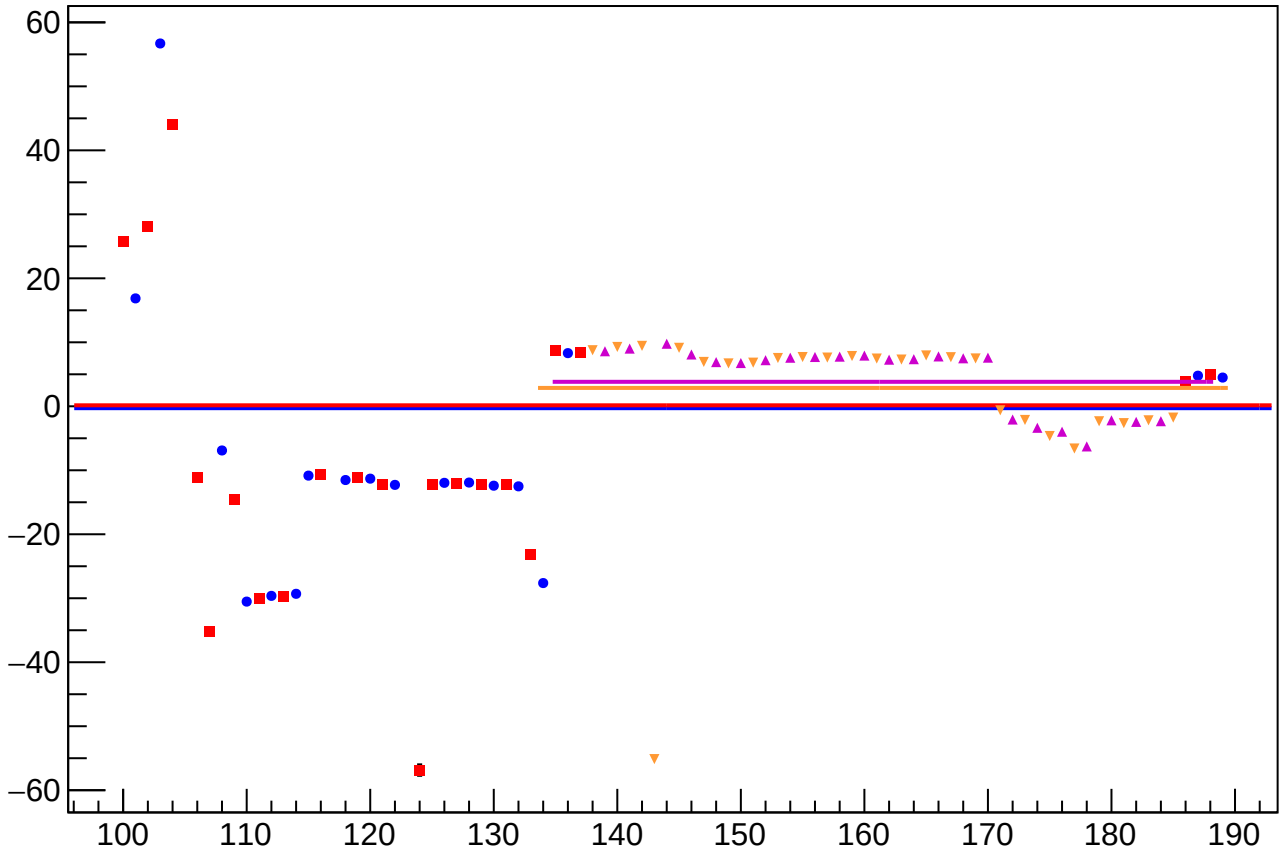
Right: 75.334+/-0.343 χ^2/NDF: 7213.3/38

In: 47.780+/-0.251 χ^2/NDF:7703.9/40

Out: 49.861+/-0.237 χ^2/NDF:10052.8/45

All: 48.879+/-0.173 χ^2/NDF: 17793.0/86


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
180
190
Right In: 9.376+/-0.609 χ²/NDF: 410.2/17
Left Out: 3.142+/-0.245 χ²/NDF:1267.0/24
Right Out: 8.000+/-0.594 χ²/NDF: 599.5/20
Left In: 2.519+/-0.251 χ²/NDF:968.2/22
Left: 2.837+/-0.175 χ²/NDF: 2238.3/47
Right: 8.670+/-0.425 χ²/NDF: 1012.4/38
In: 3.514+/-0.232 χ²/NDF:1486.7/40
Out: 3.851+/-0.227 χ²/NDF:1923.7/45
All: 3.686+/-0.162 χ²/NDF: 3411.5/86



Right In: -0.295+/-0.034 χ^2/NDF: 369846.8/17

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.154+/-0.034 χ^2/NDF: 319404.2/20

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

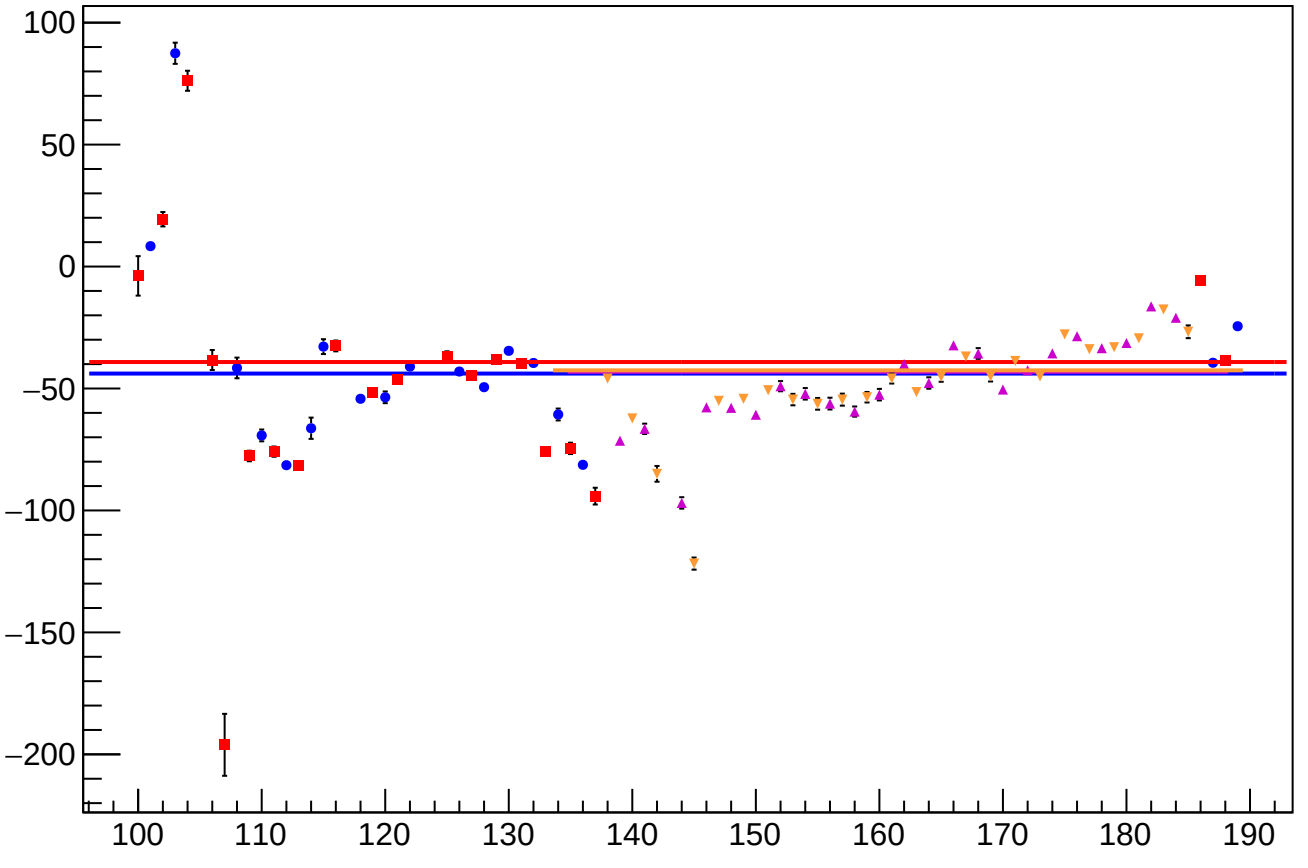
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: -0.072+/-0.024 χ^2/NDF: 689336.3/38

In: 3.435+/-0.011 χ^2/NDF:616118.0/40

Out: 2.619+/-0.010 χ^2/NDF:837378.2/45

All: 3.023+/-0.007 χ^2/NDF: 1456504.4/86



Right In: -43.874+/-0.469 χ^2/NDF: 3014.6/17

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -39.147+/-0.402 χ^2/NDF: 4734.5/19

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

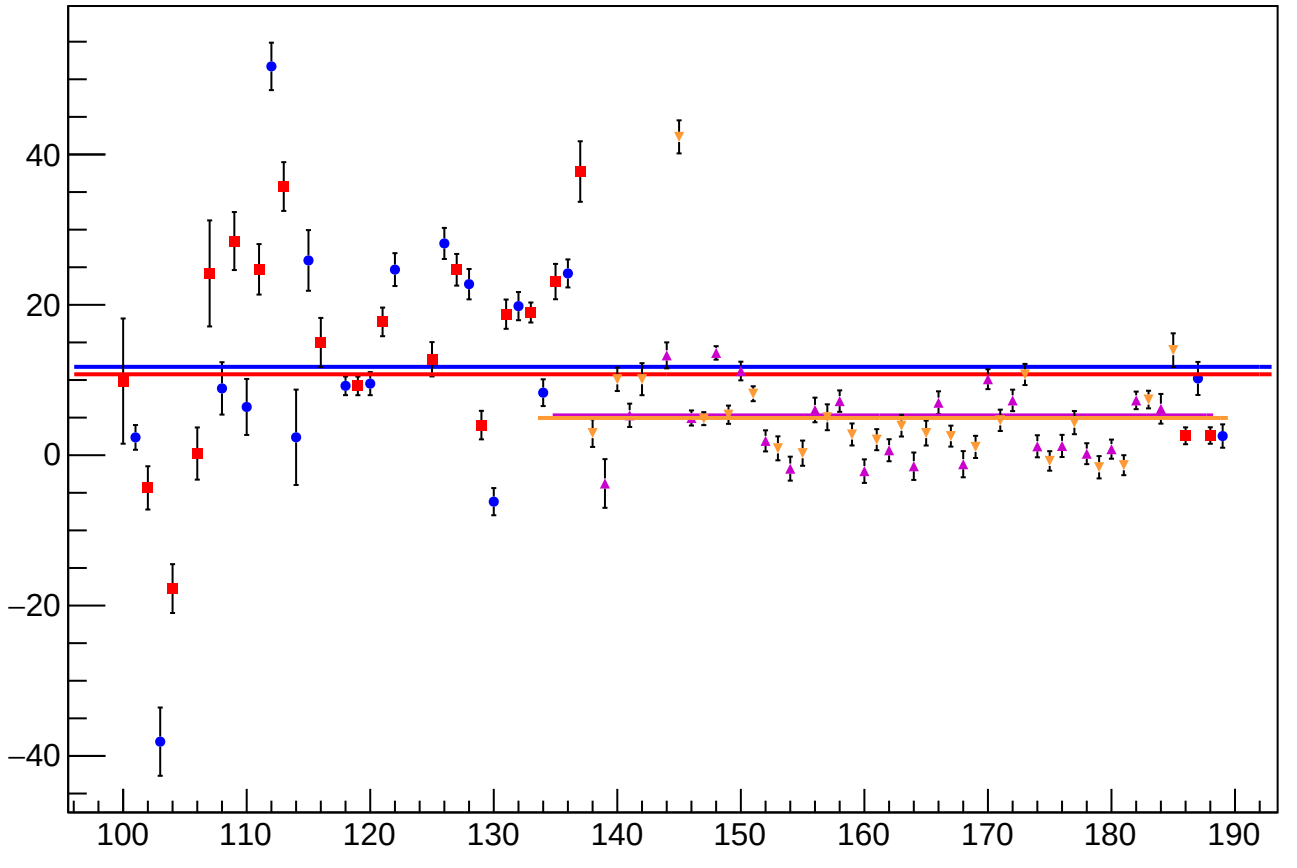
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -41.150+/-0.305 χ^2/NDF: 7807.8/37

In: -43.440+/-0.296 χ^2/NDF:5222.7/40

Out: -40.957+/-0.275 χ^2/NDF:7099.2/43

All: -42.110+/-0.202 χ^2/NDF: 12359.6/84



Right In: 11.751+/-0.480 χ^2/NDF: 665.5/17

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.761+/-0.447 χ^2/NDF: 524.5/19

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

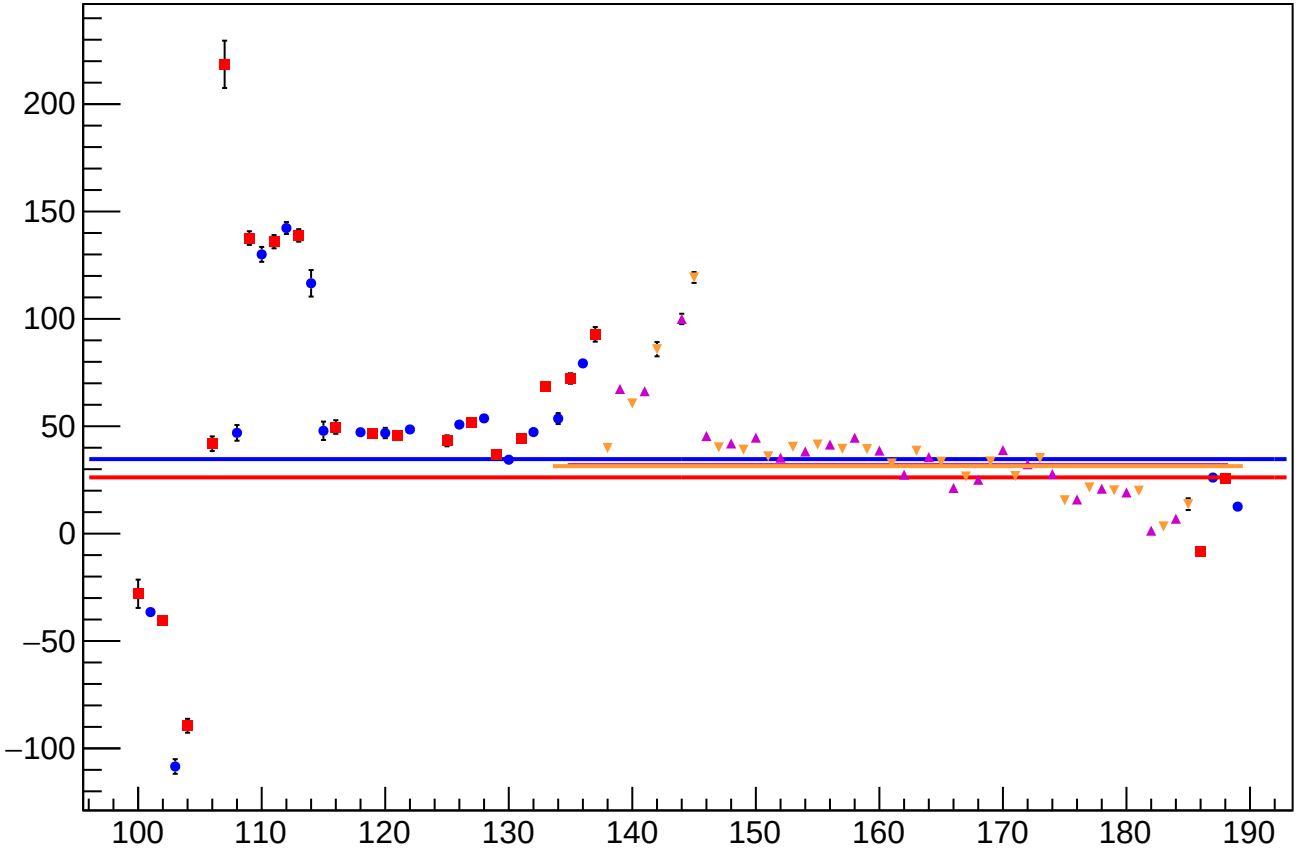
Right: 11.221+/-0.327 χ^2/NDF: 1192.3/37

In: 7.055+/-0.251 χ^2/NDF:1083.5/40

Out: 6.661+/-0.242 χ^2/NDF:1092.7/43

All: 6.851+/-0.174 χ^2/NDF: 2177.4/84

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 34.699+/-0.474 χ^2/NDF: 7750.7/17

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 26.188+/-0.377 χ^2/NDF: 10508.1/19

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

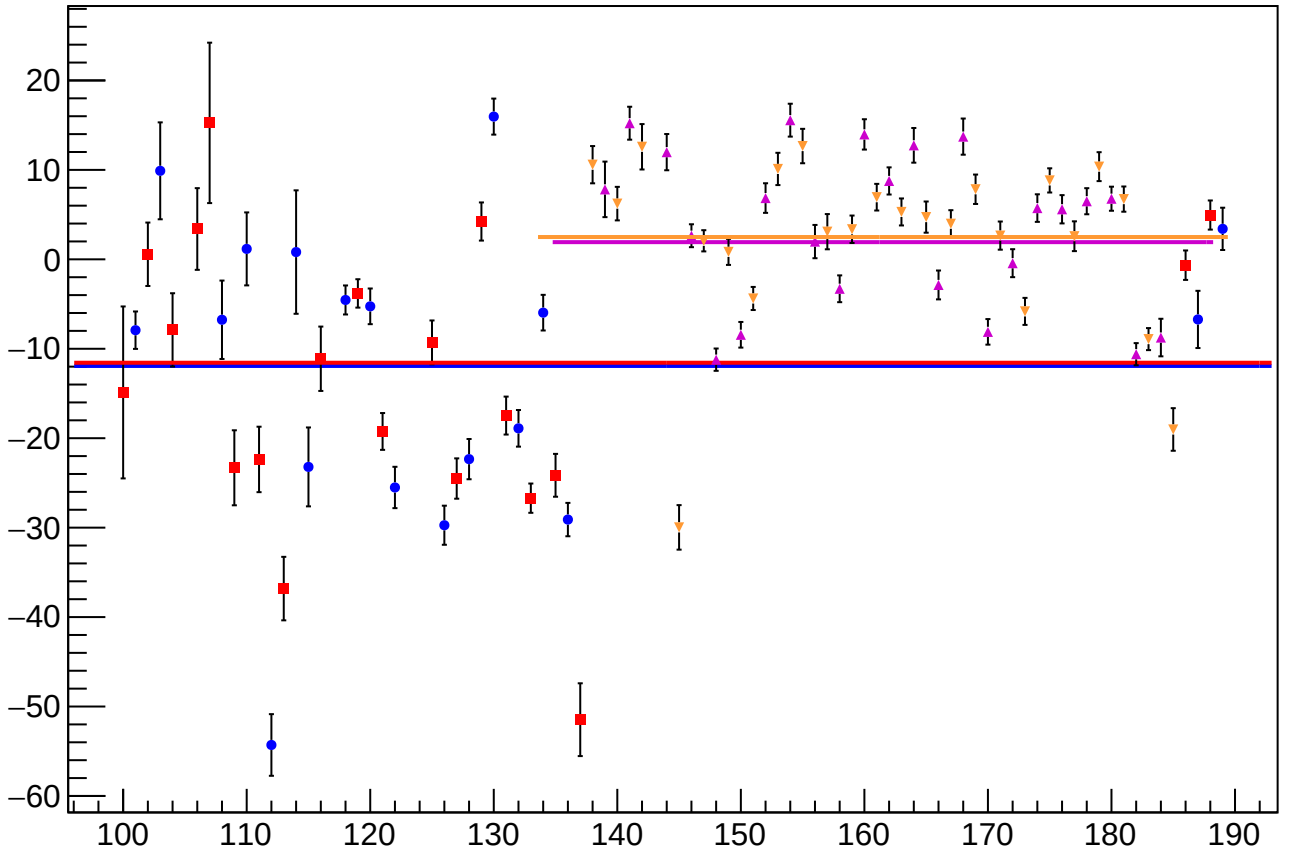
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 29.489+/-0.295 χ^2/NDF: 18456.2/37

In: 32.986+/-0.296 χ^2/NDF:10539.3/40

Out: 28.825+/-0.266 χ^2/NDF:13367.4/43

All: 30.688+/-0.198 χ^2/NDF: 24016.1/84



Right In: -11.920+/-0.572 χ^2/NDF: 688.4/17

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -11.562+/-0.551 χ^2/NDF: 589.8/19

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

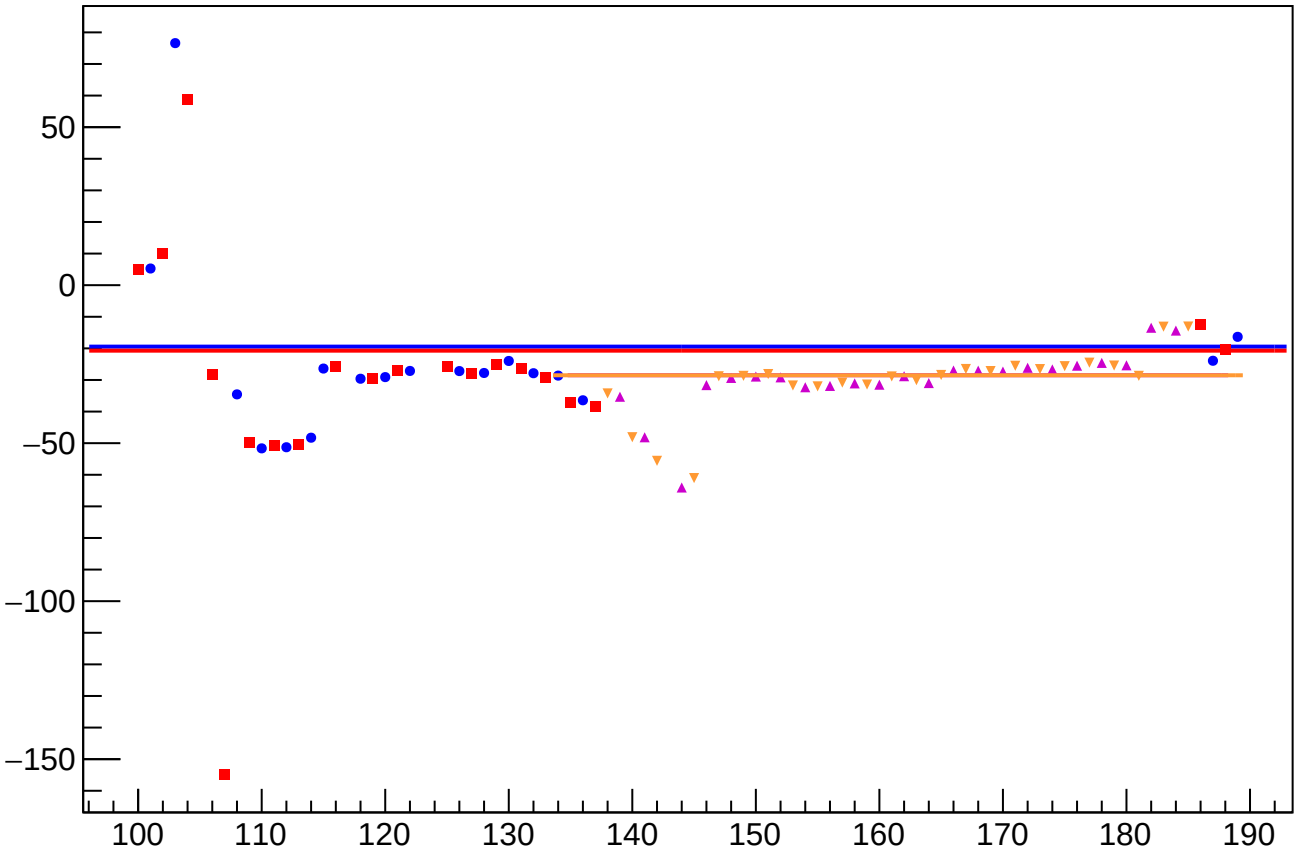
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

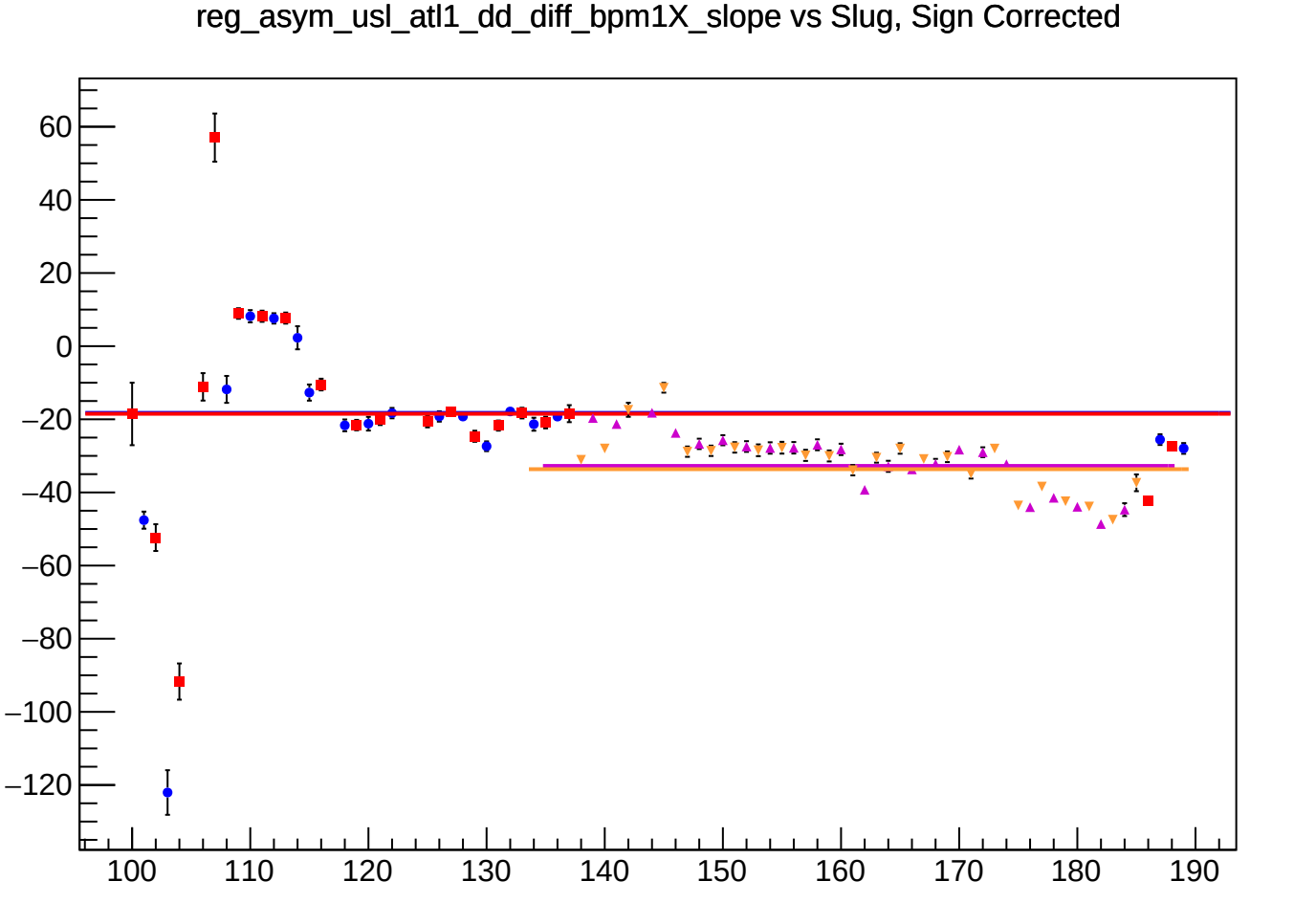
Right: -11.734+/-0.397 χ^2/NDF: 1278.4/37

In: -1.567+/-0.287 χ^2/NDF:1805.3/40

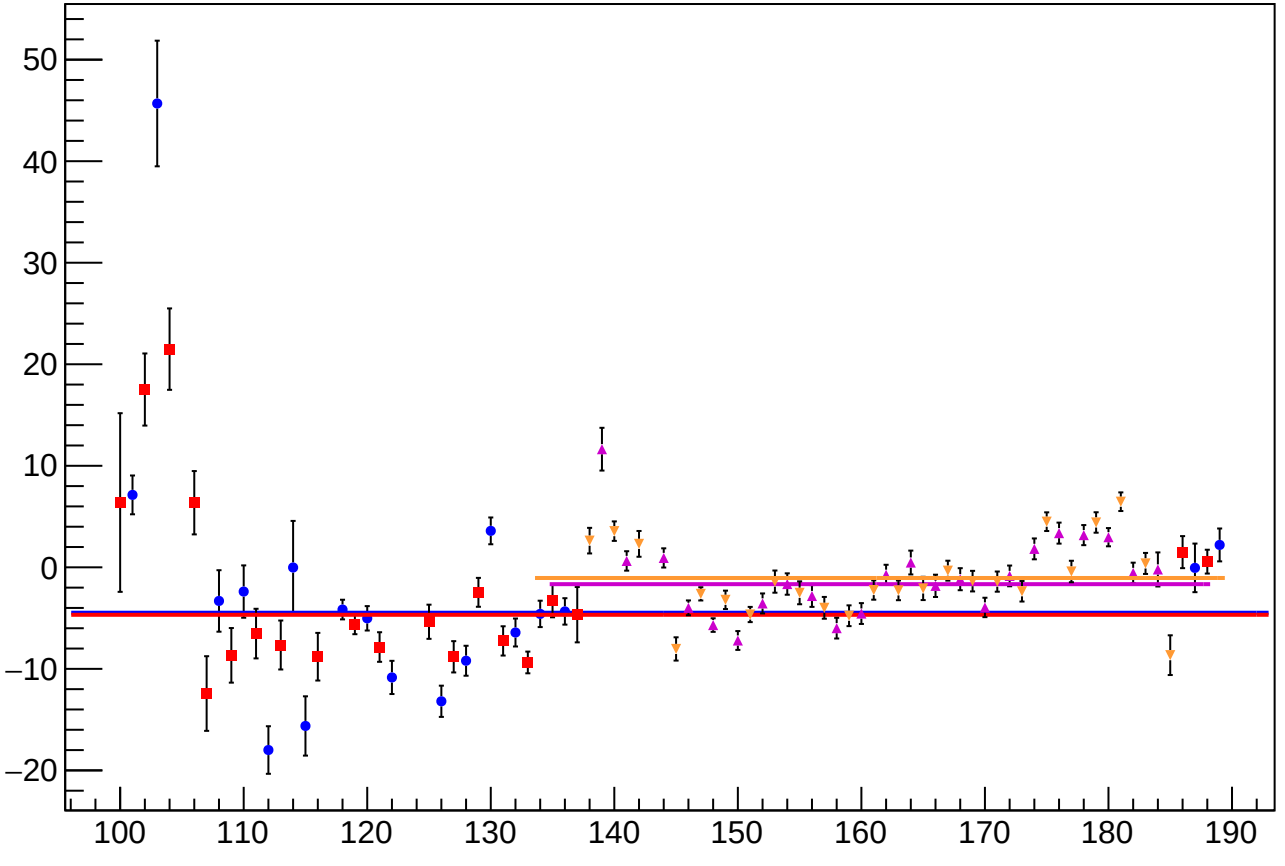
Out: -1.160+/-0.281 χ^2/NDF:1629.7/43

All: -1.360+/-0.201 χ^2/NDF: 3436.0/84


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -19.448+/-0.033 χ²/NDF: 648515.4/17
Left Out: -28.513+/-0.015 χ²/NDF:333774.3/23
Right Out: -20.724+/-0.034 χ²/NDF: 552367.2/19
Left In: -28.495+/-0.015 χ²/NDF:287757.4/22
Left: -28.504+/-0.010 χ²/NDF: 621532.4/46
Right: -20.083+/-0.024 χ²/NDF: 1201608.0/37
In: -27.012+/-0.014 χ²/NDF:997478.4/40
Out: -27.250+/-0.014 χ²/NDF:931263.2/43
All: -27.131+/-0.010 χ²/NDF: 1928897.1/84


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
190
Right In: -18.244+/-0.376 χ2/NDF: 1207.4/17
Left Out: -33.643+/-0.265 χ2/NDF:1015.9/23
Right Out: -18.490+/-0.353 χ2/NDF: 1930.8/19
Left In: -32.750+/-0.269 χ2/NDF:1143.5/22
Left: -33.202+/-0.189 χ2/NDF: 2165.0/46
Right: -18.375+/-0.257 χ2/NDF: 3138.4/37
In: -27.854+/-0.219 χ2/NDF:3335.6/40
Out: -28.168+/-0.212 χ2/NDF:4126.8/43
All: -28.016+/-0.152 χ2/NDF: 7463.5/84

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.384 χ^2/NDF: 269.9/17

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -4.674+/-0.383 χ^2/NDF: 181.5/19

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

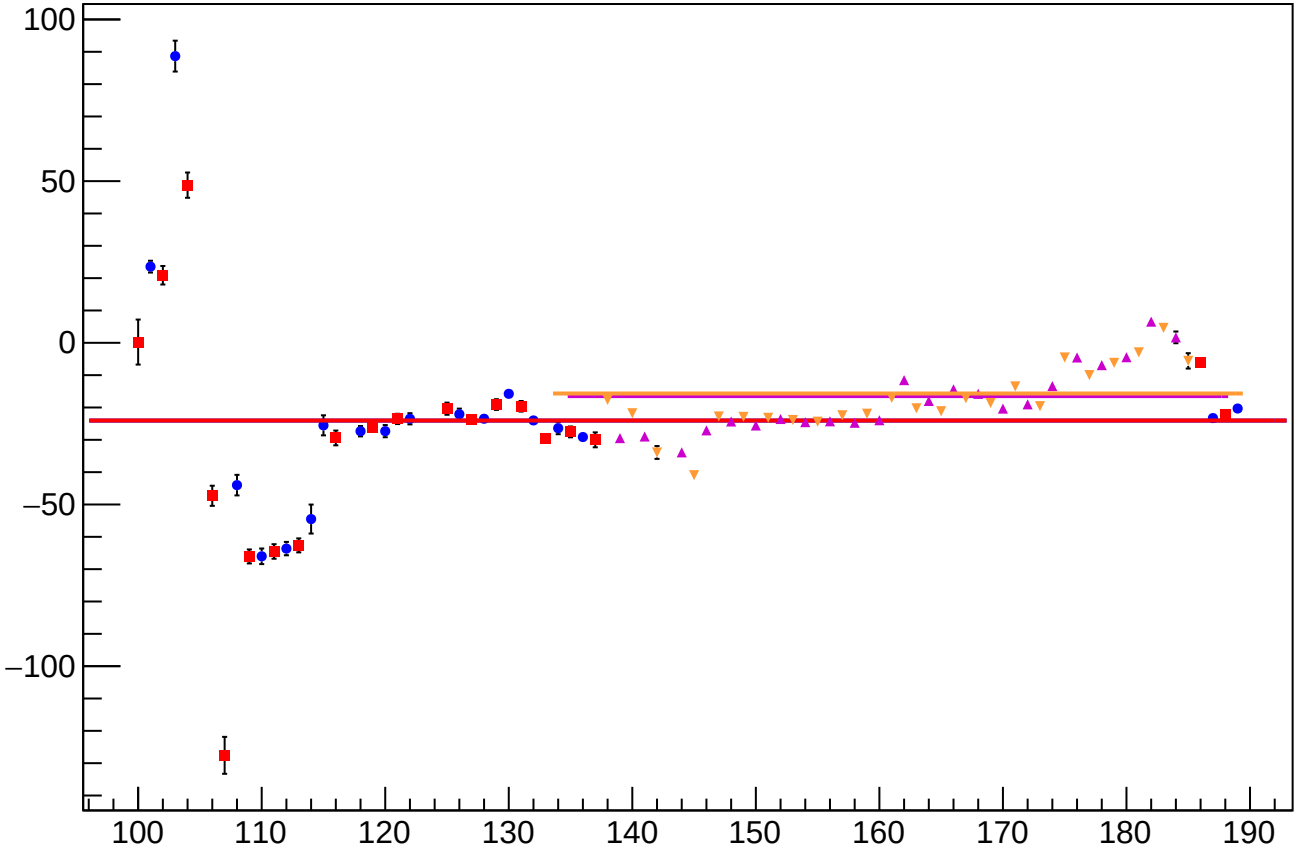
Right: -4.573+/-0.271 χ^2/NDF: 451.5/37

In: -2.289+/-0.182 χ^2/NDF:575.8/40

Out: -1.844+/-0.179 χ^2/NDF:540.8/43

All: -2.063+/-0.128 χ^2/NDF: 1119.6/84

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.050+/-0.403 χ^2/NDF: 2062.6/17

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.029+/-0.362 χ^2/NDF: 2391.1/19

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

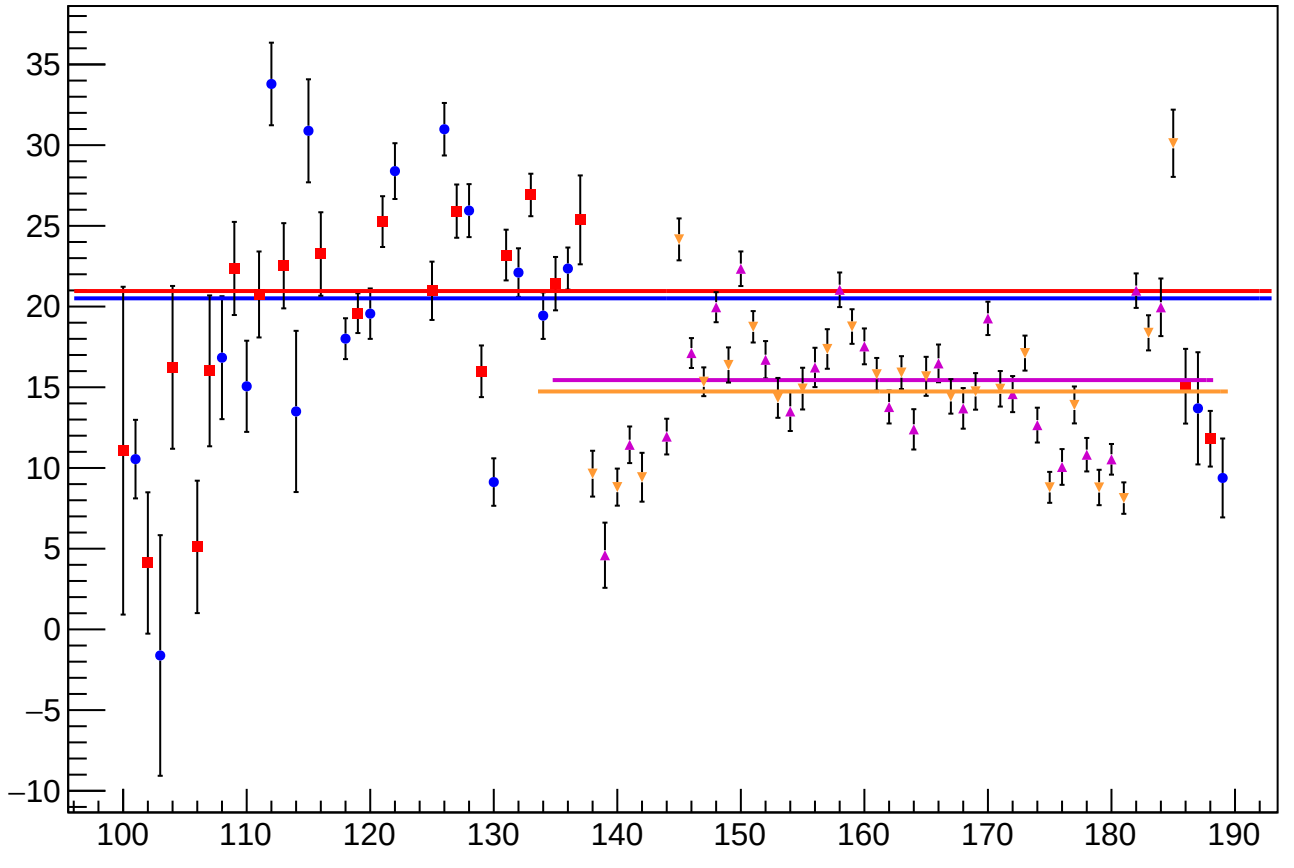
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -24.039+/-0.269 χ^2/NDF: 4453.7/37

In: -18.773+/-0.222 χ^2/NDF:4005.8/40

Out: -18.559+/-0.213 χ^2/NDF:4260.3/43

All: -18.662+/-0.154 χ^2/NDF: 8266.6/84



Right In: 20.509+/-0.447 χ^2/NDF: 235.4/17

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 20.961+/-0.452 χ^2/NDF: 121.2/19

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

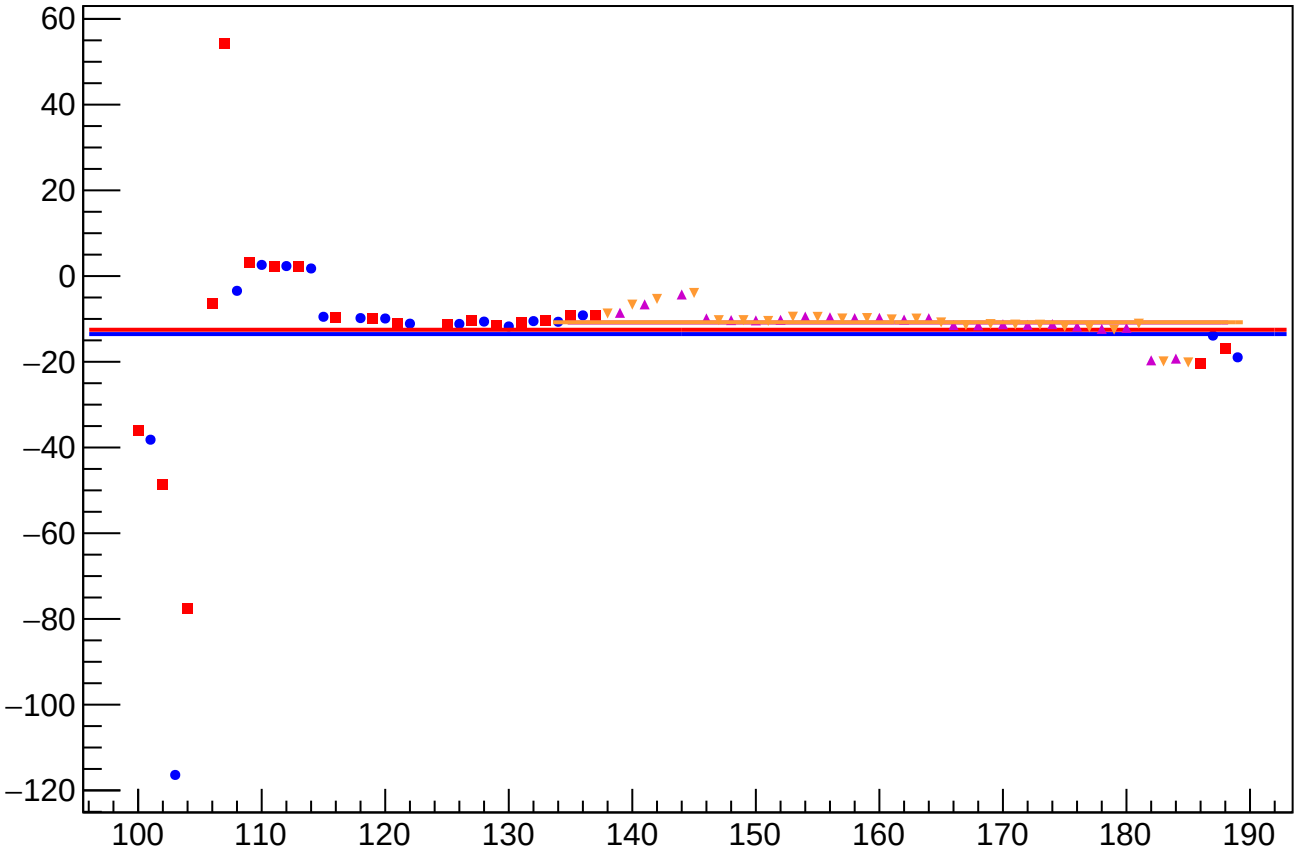
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 20.732+/-0.318 χ^2/NDF: 357.1/37

In: 16.529+/-0.207 χ^2/NDF:626.9/40

Out: 16.014+/-0.205 χ^2/NDF:602.8/43

All: 16.269+/-0.145 χ^2/NDF: 1232.8/84



Right In: -13.538+/-0.027 χ^2/NDF: 348189.5/17

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -12.525+/-0.028 χ^2/NDF: 320277.1/19

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

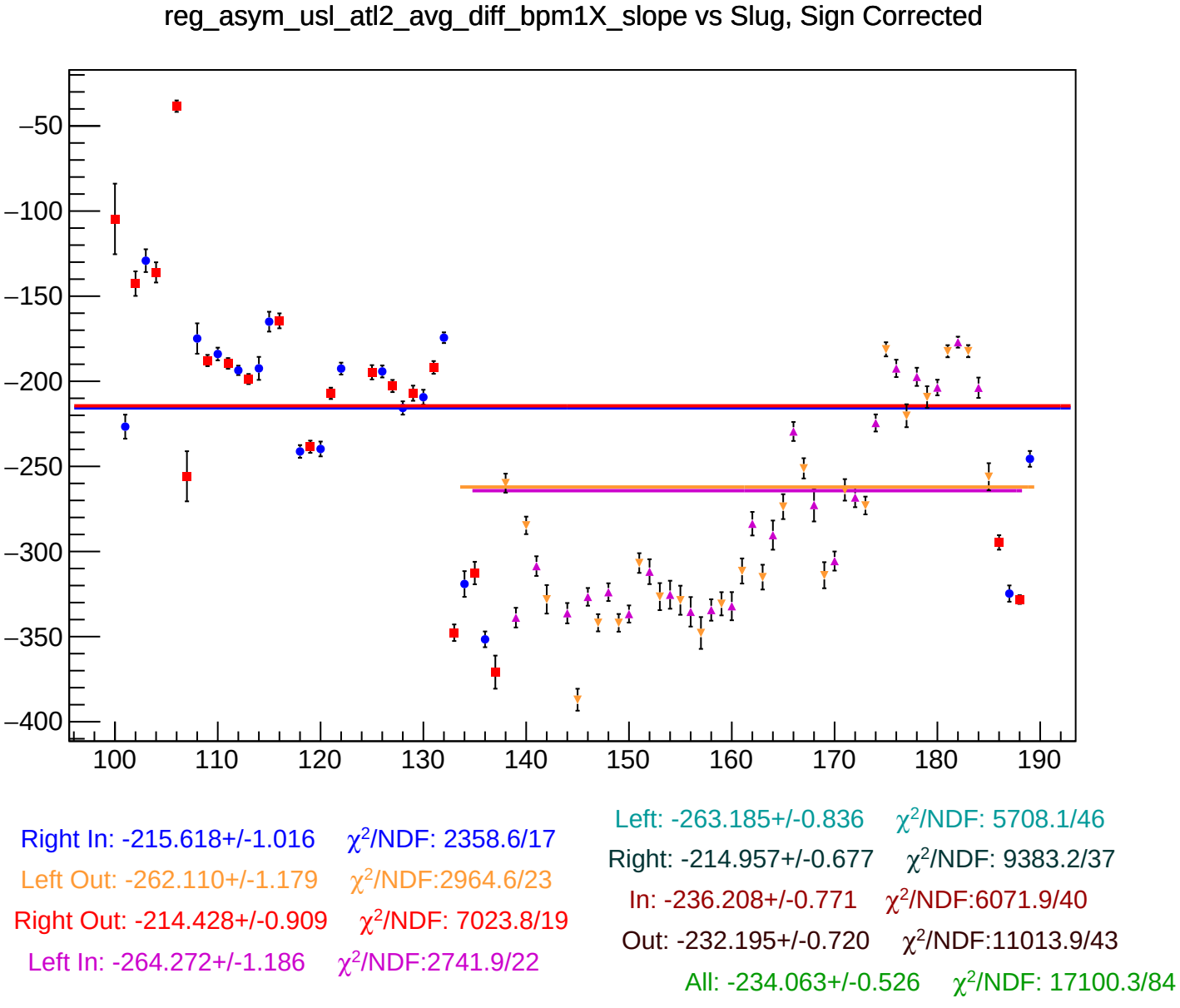
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

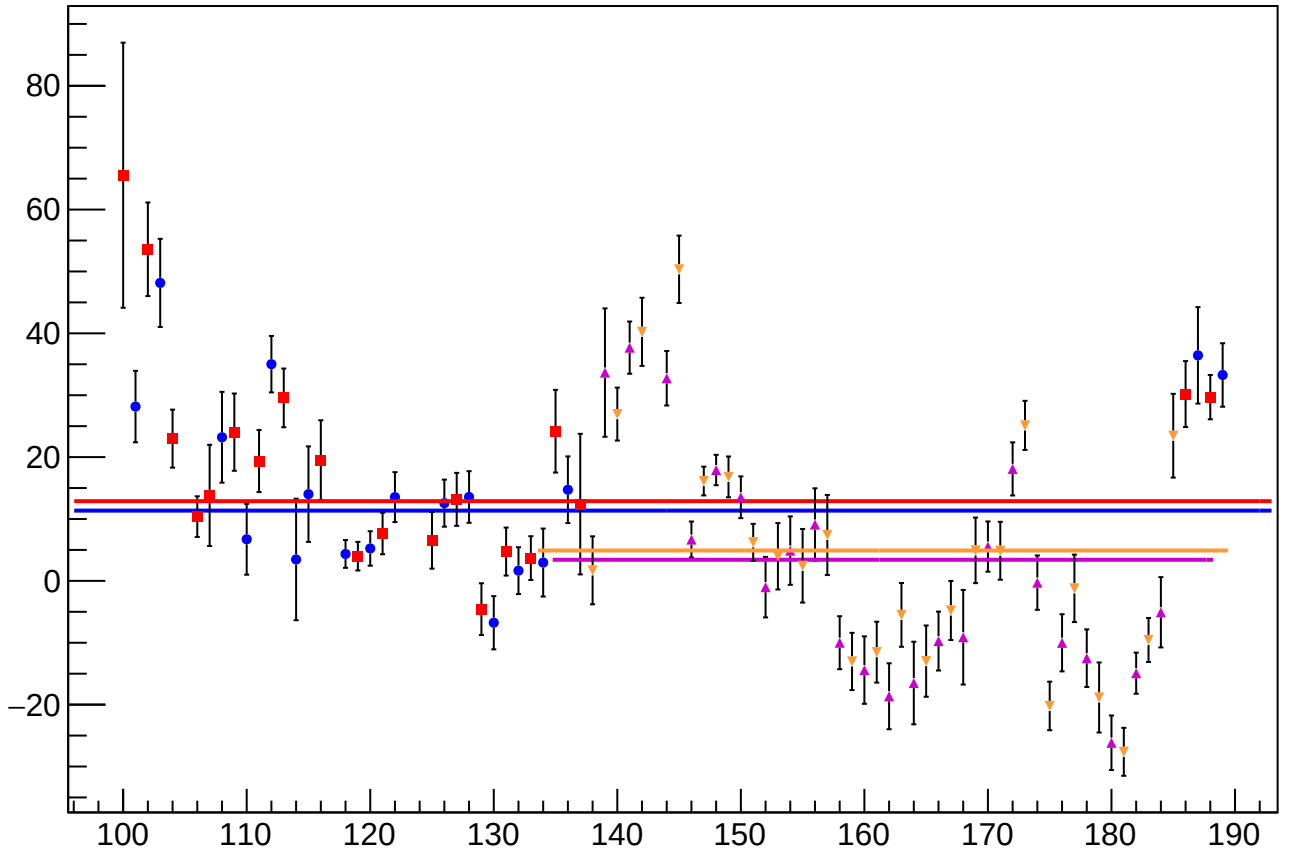
Right: -13.057+/-0.020 χ^2/NDF: 669135.1/37

In: -11.178+/-0.010 χ^2/NDF:431042.0/40

Out: -10.980+/-0.010 χ^2/NDF:408374.5/43

All: -11.079+/-0.007 χ^2/NDF: 839626.1/84


reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
−400
100
110
120
130
140
150
160
170
180
190
Right In: -215.618+/-1.016 χ²/NDF: 2358.6/17
Left Out: -262.110+/-1.179 χ²/NDF:2964.6/23
Right Out: -214.428+/-0.909 χ²/NDF: 7023.8/19
Left In: -264.272+/-1.186 χ²/NDF:2741.9/22
Left: -263.185+/-0.836 χ²/NDF: 5708.1/46
Right: -214.957+/-0.677 χ²/NDF: 9383.2/37
In: -236.208+/-0.771 χ²/NDF:6071.9/40
Out: -232.195+/-0.720 χ²/NDF:11013.9/43
All: -234.063+/-0.526 χ²/NDF: 17100.3/84



Right In: 11.352+/-1.034 χ^2/NDF: 136.9/17

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 12.879+/-0.985 χ^2/NDF: 141.7/19

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

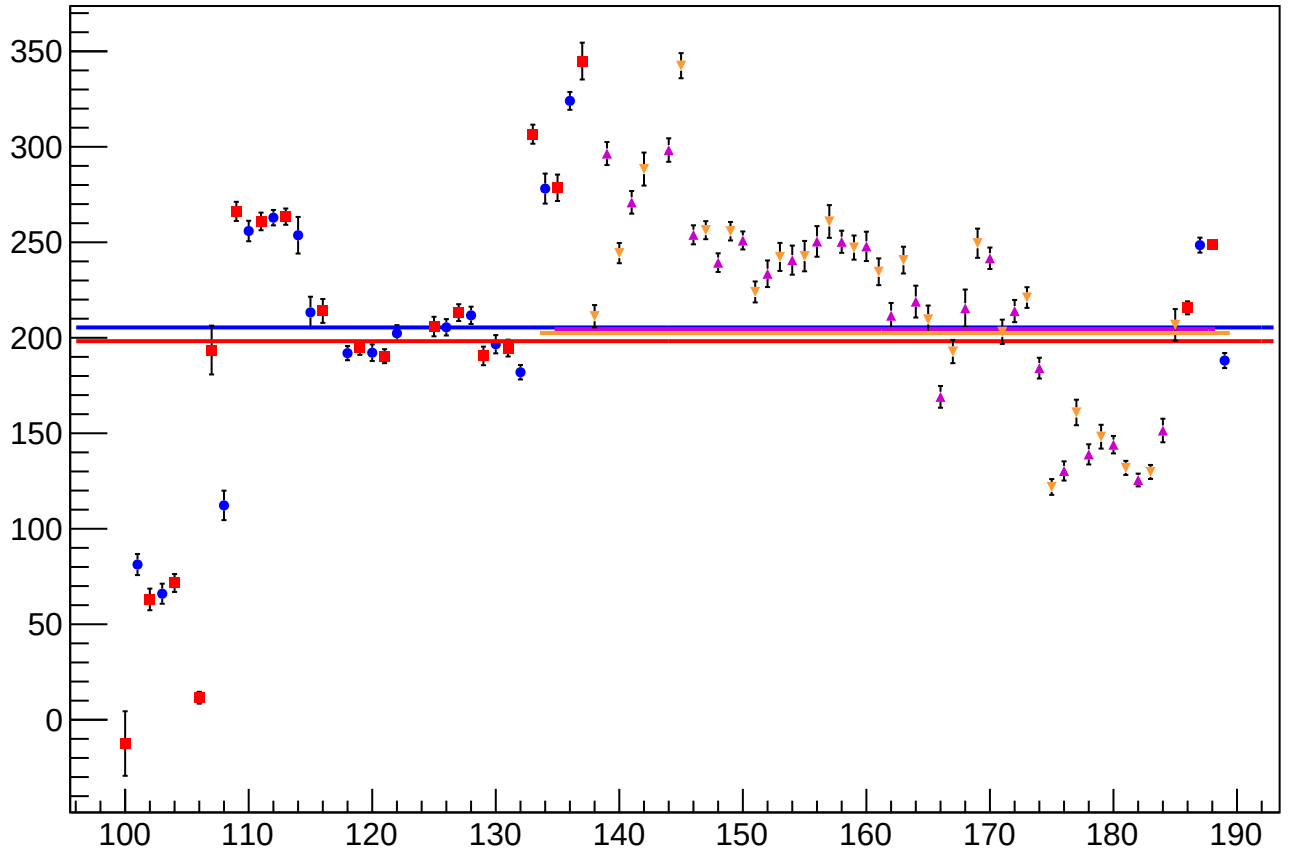
Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

Right: 12.153+/-0.713 χ^2/NDF: 279.8/37

In: 6.837+/-0.679 χ^2/NDF:503.8/40

Out: 8.476+/-0.659 χ^2/NDF:576.8/43

All: 7.681+/-0.473 χ^2/NDF: 1083.6/84



Right In: 205.416+/-1.122 χ^2/NDF: 2608.4/17

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 198.230+/-0.959 χ^2/NDF: 7206.9/19

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

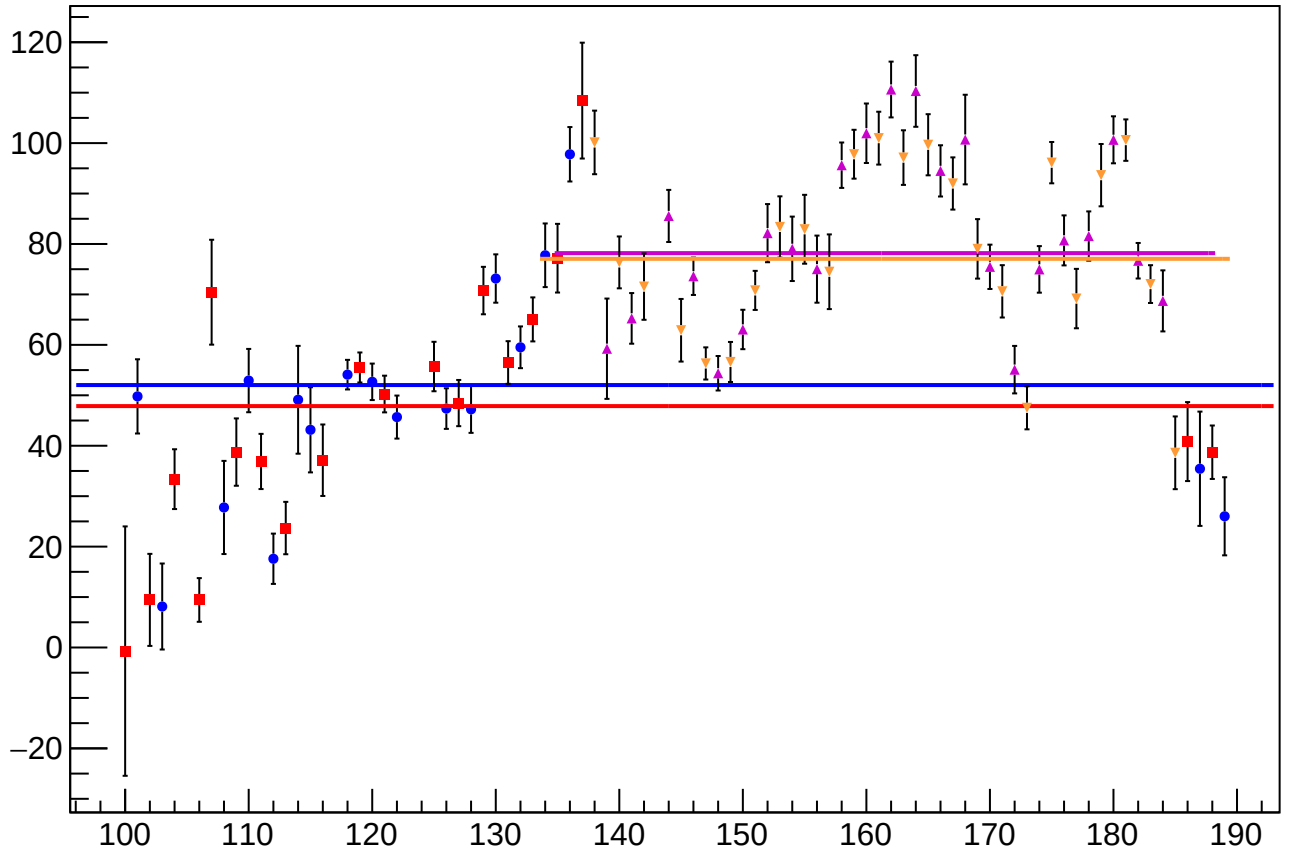
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 201.265+/-0.729 χ^2/NDF: 9839.0/37

In: 205.008+/-0.812 χ^2/NDF:4894.3/40

Out: 199.946+/-0.743 χ^2/NDF:9608.4/43

All: 202.252+/-0.548 χ^2/NDF: 14523.9/84



Right In: 52.031+/-1.219 χ^2/NDF: 212.2/17

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 47.861+/-1.170 χ^2/NDF: 244.1/19

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

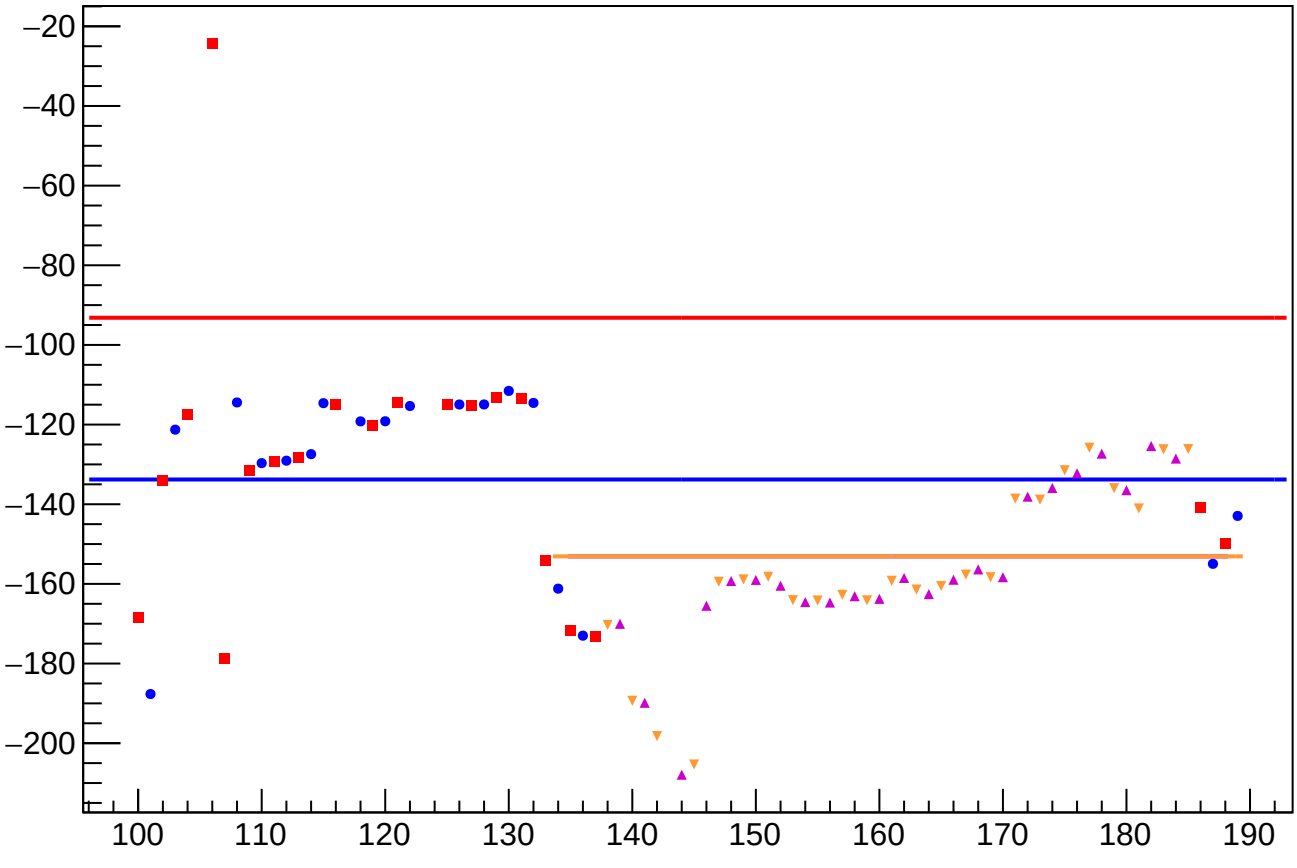
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 49.861+/-0.844 χ^2/NDF: 462.4/37

In: 67.345+/-0.785 χ^2/NDF:714.5/40

Out: 64.522+/-0.767 χ^2/NDF:910.6/43

All: 65.901+/-0.548 χ^2/NDF: 1631.7/84



Right In: -133.788+/-0.078 χ^2/NDF: 95569.2/17

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -93.176+/-0.062 χ^2/NDF: 788158.7/19

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

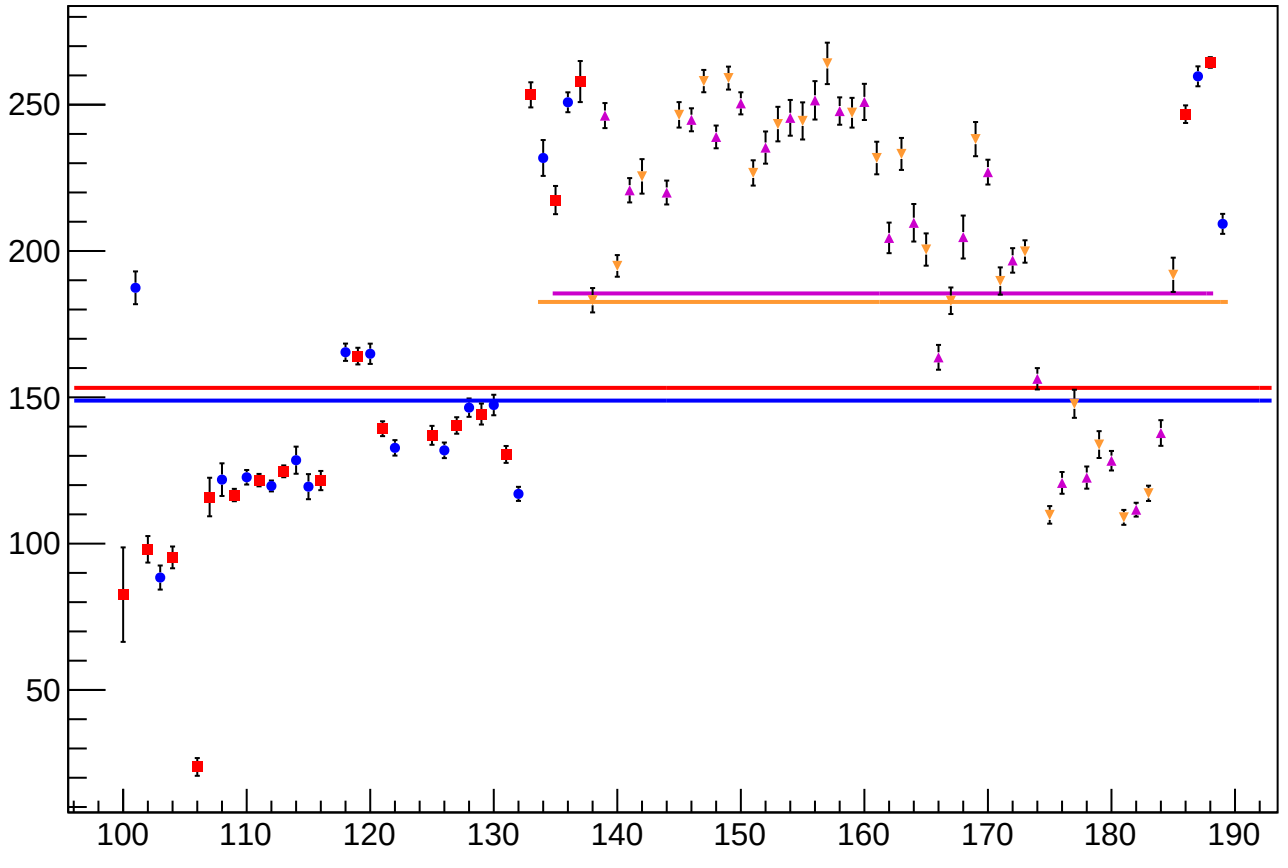
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -108.790+/-0.049 χ^2/NDF: 1049344.8/37

In: -148.045+/-0.040 χ^2/NDF:307135.2/40

Out: -131.218+/-0.037 χ^2/NDF:1561001.5/43

All: -139.050+/-0.027 χ^2/NDF: 1962423.9/84



Right In: 148.878+/-0.746 χ^2/NDF: 3469.9/17

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 153.225+/-0.664 χ^2/NDF: 8924.6/19

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

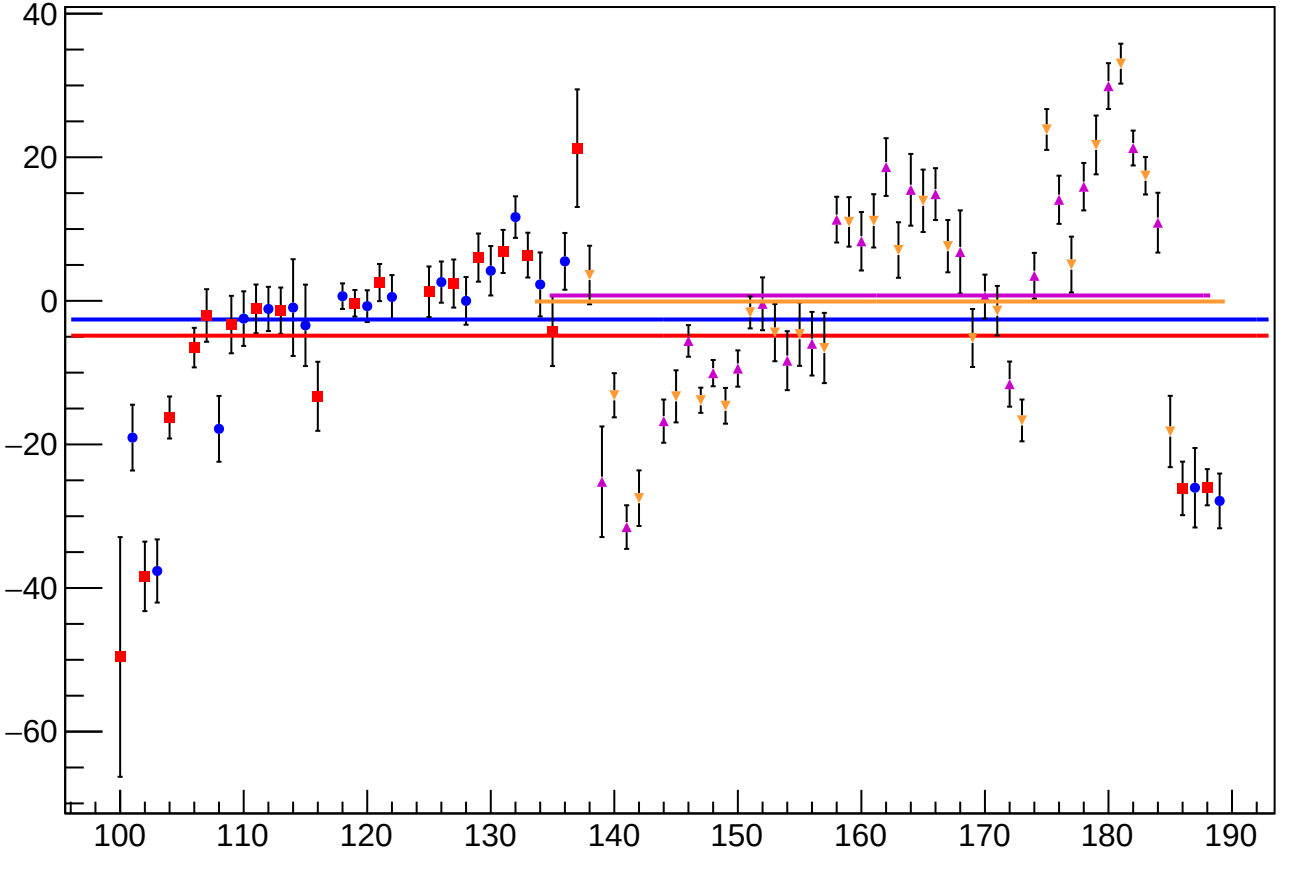
Right: 151.305+/-0.496 χ^2/NDF: 12413.4/37

In: 164.347+/-0.567 χ^2/NDF:8309.7/40

Out: 164.091+/-0.527 χ^2/NDF:13801.4/43

All: 164.209+/-0.386 χ^2/NDF: 22111.3/84

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.596+/-0.783 χ^2/NDF: 191.9/17

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -4.851+/-0.734 χ^2/NDF: 250.4/19

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

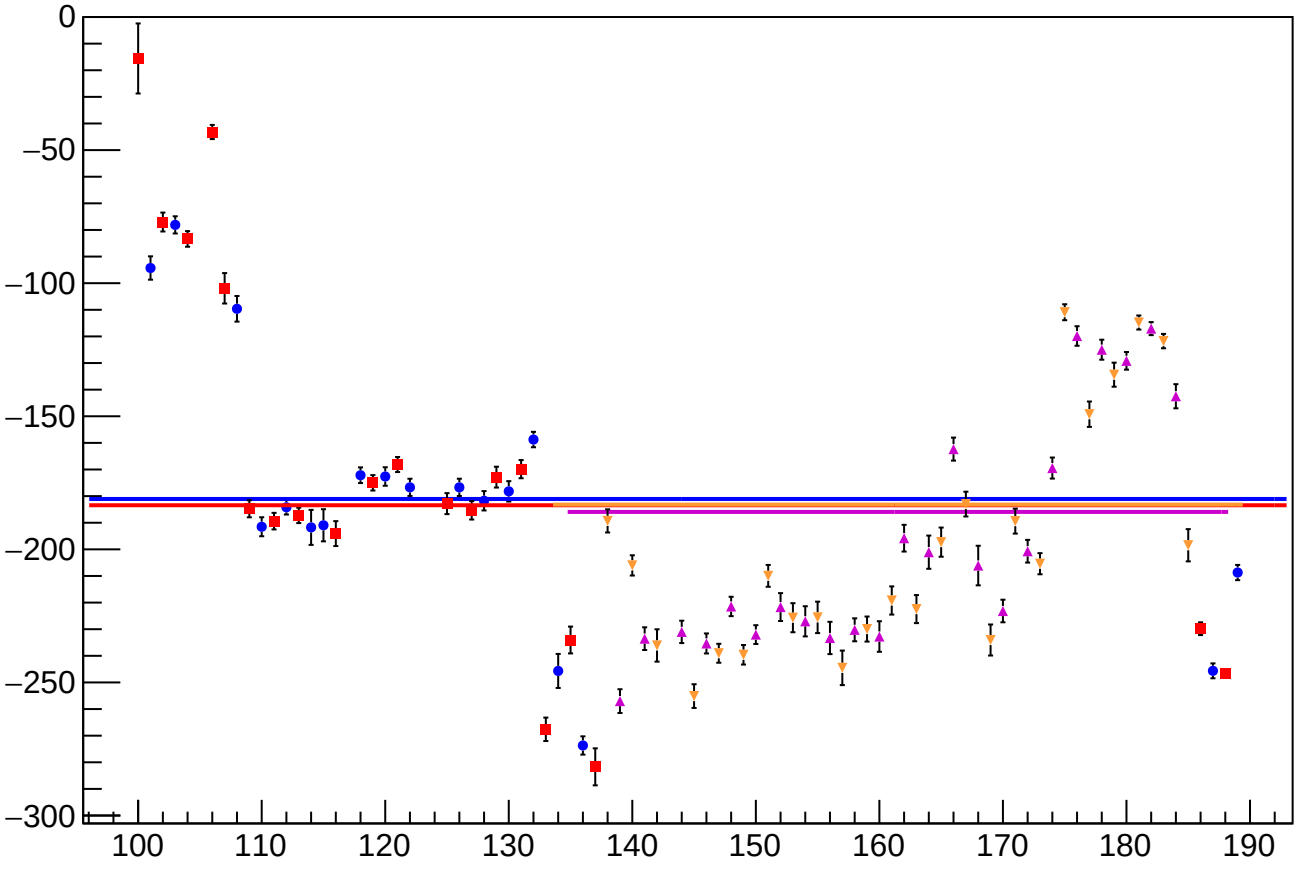
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -3.796+/-0.535 χ^2/NDF: 446.8/37

In: -0.655+/-0.507 χ^2/NDF:700.3/40

Out: -2.202+/-0.488 χ^2/NDF:829.1/43

All: -1.457+/-0.352 χ^2/NDF: 1534.3/84



Right In: -181.067+/-0.826 χ^2/NDF: 3180.0/17

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -183.430+/-0.700 χ^2/NDF: 8183.6/19

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

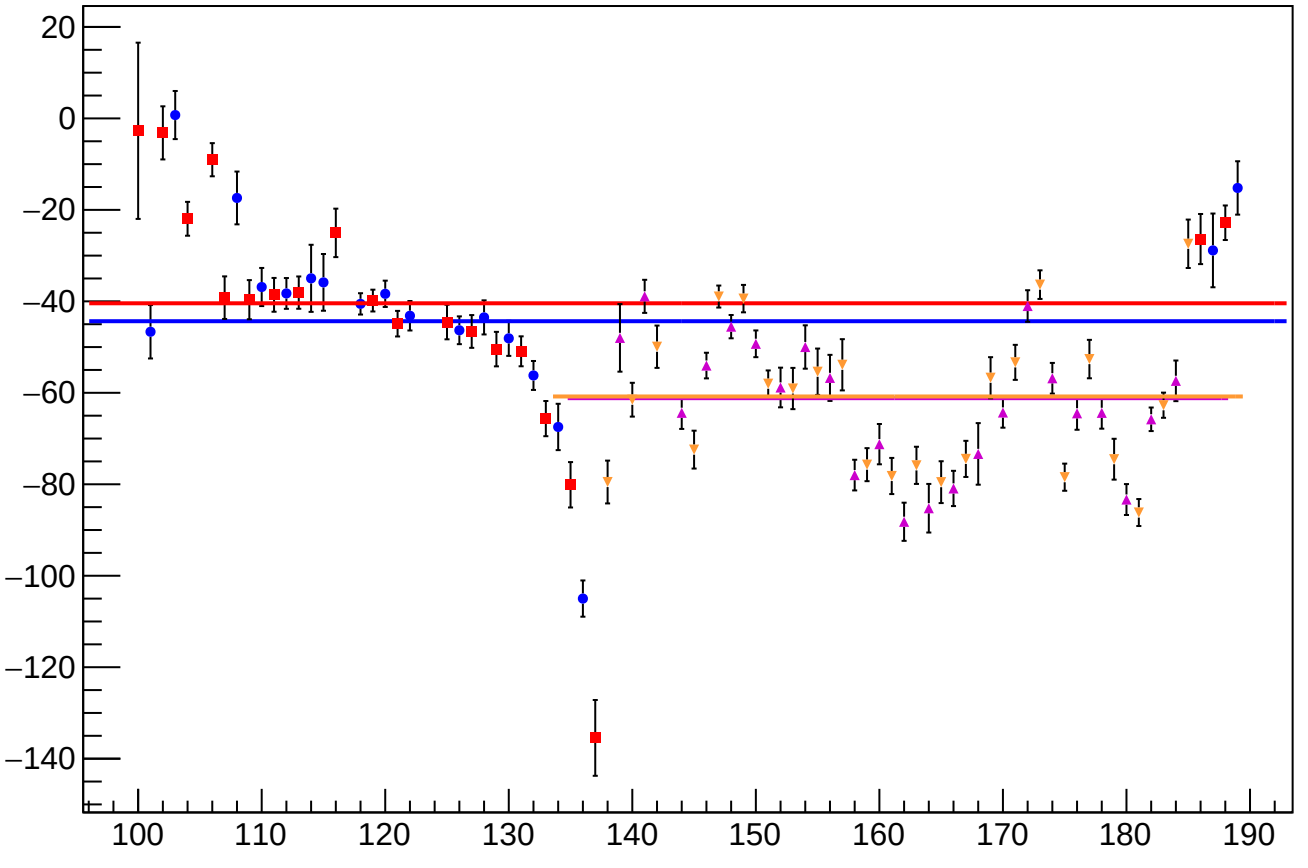
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -182.442+/-0.534 χ^2/NDF: 11368.3/37

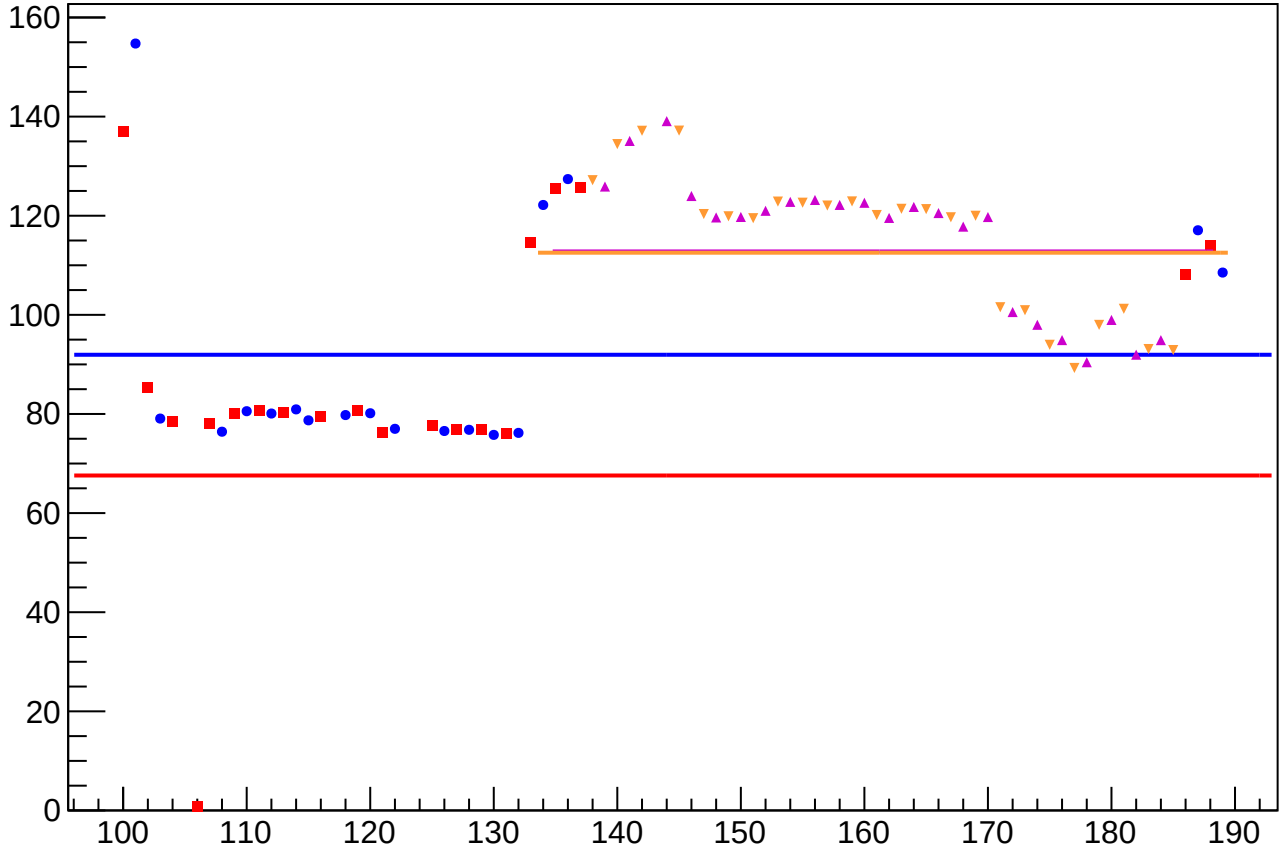
In: -183.383+/-0.598 χ^2/NDF:6378.1/40

Out: -183.329+/-0.544 χ^2/NDF:11544.8/43

All: -183.353+/-0.402 χ^2/NDF: 17922.9/84


reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: -44.343+/-0.920 χ²/NDF: 411.7/17
Left Out: -60.801+/-0.749 χ²/NDF:474.0/23
Right Out: -40.424+/-0.873 χ²/NDF: 445.0/19
Left In: -61.172+/-0.757 χ²/NDF:316.9/22
Left: -60.984+/-0.532 χ²/NDF: 791.1/46
Right: -42.281+/-0.633 χ²/NDF: 866.2/37
In: -54.377+/-0.584 χ²/NDF:928.3/40
Out: -52.160+/-0.568 χ²/NDF:1232.9/43
All: -53.237+/-0.407 χ²/NDF: 2168.6/84

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 91.945+/-0.057 χ^2/NDF: 168566.9/17

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 67.584+/-0.047 χ^2/NDF: 731828.1/19

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

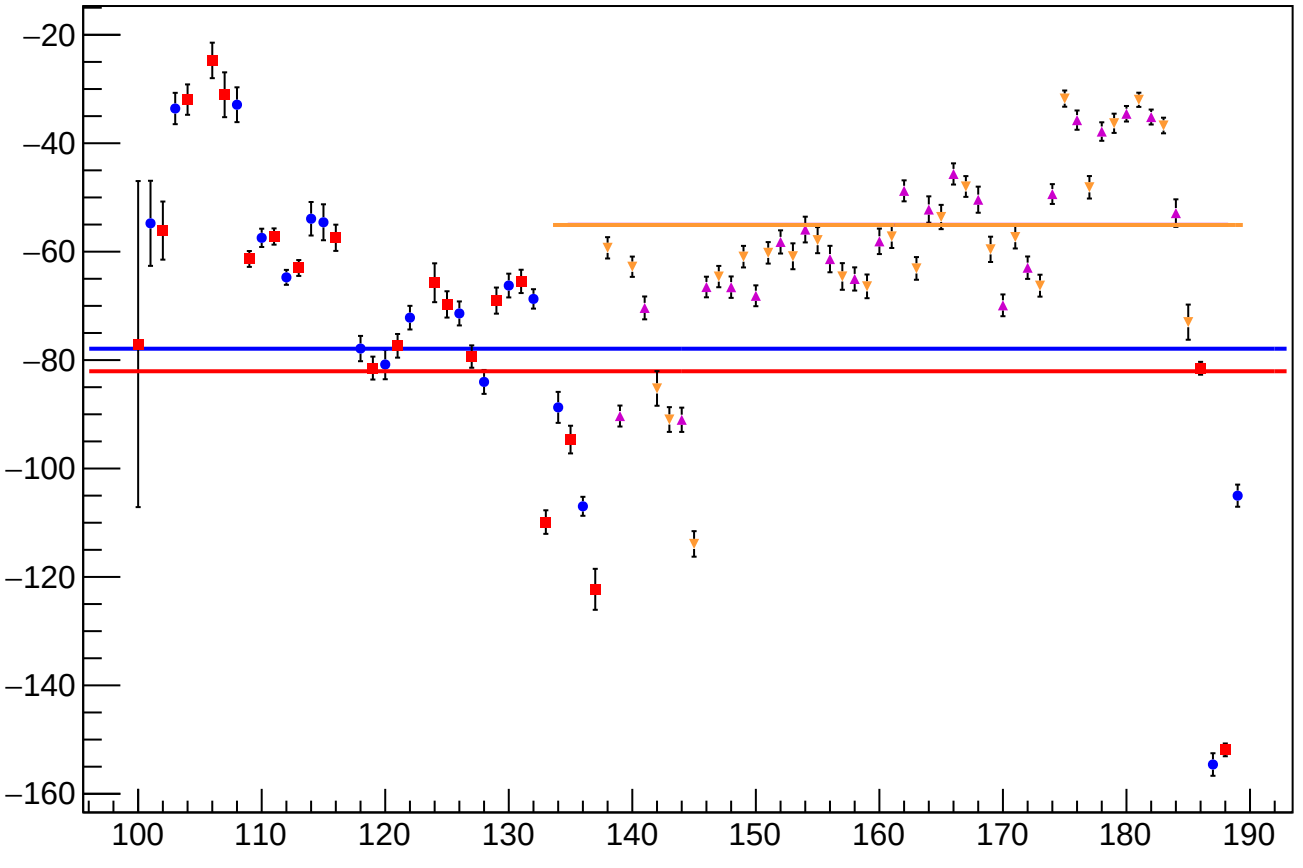
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

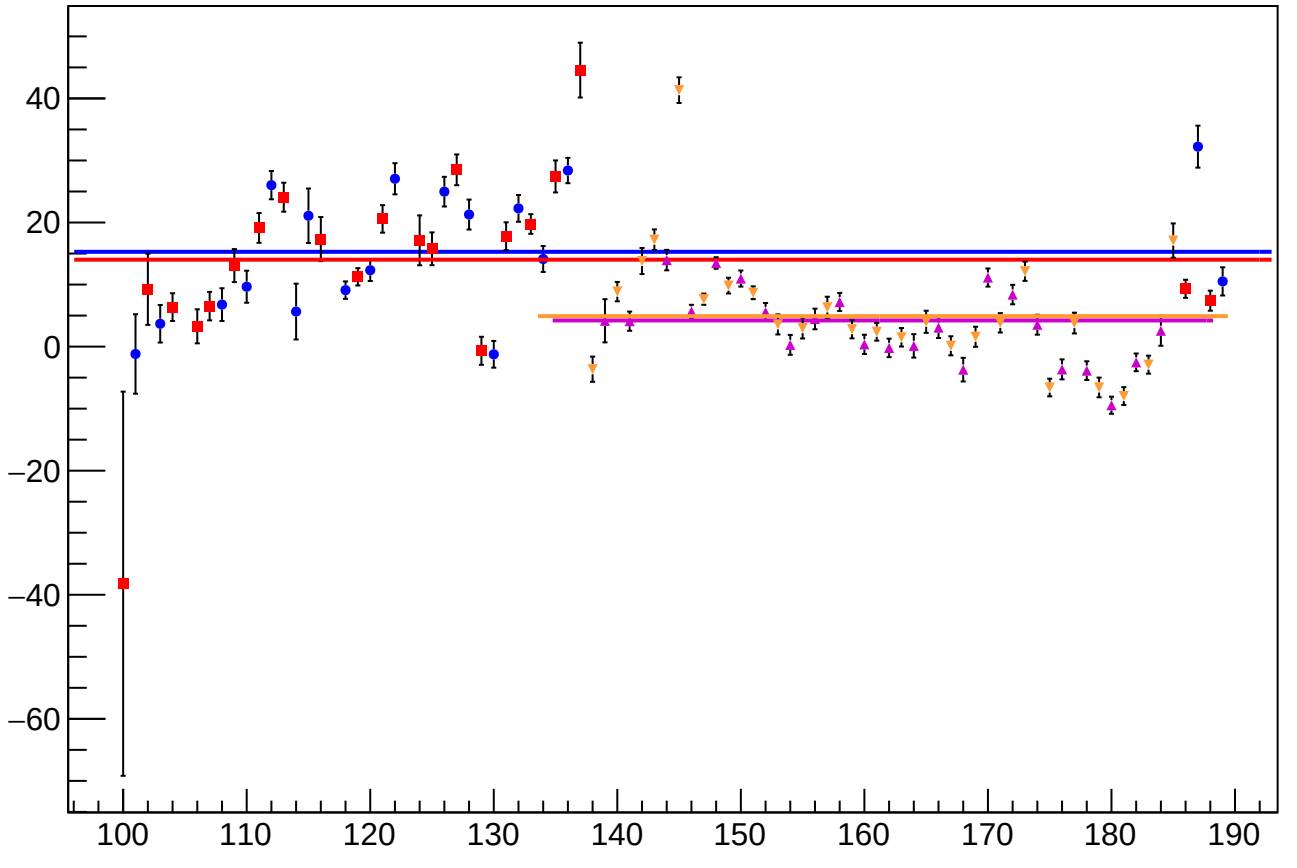
Right: 77.630+/-0.036 χ^2/NDF: 1008954.2/37

In: 107.174+/-0.029 χ^2/NDF:439073.4/40

Out: 96.956+/-0.028 χ^2/NDF:1492065.4/43

All: 101.803+/-0.020 χ^2/NDF: 1994510.7/84


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
190
Right In: -77.902+/-0.521 χ²/NDF: 2690.6/17
Left Out: -55.077+/-0.401 χ²/NDF:2002.8/24
Right Out: -82.060+/-0.446 χ²/NDF: 5497.4/20
Left In: -55.050+/-0.410 χ²/NDF:1541.8/22
Left: -55.064+/-0.287 χ²/NDF: 3544.6/47
Right: -80.303+/-0.339 χ²/NDF: 8224.8/38
In: -63.803+/-0.322 χ²/NDF:5419.7/40
Out: -67.136+/-0.298 χ²/NDF:9528.3/45
All: -65.601+/-0.219 χ²/NDF: 15005.7/86



Right In: 15.280+/-0.555 χ^2/NDF: 272.0/17

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.011+/-0.496 χ^2/NDF: 273.5/20

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

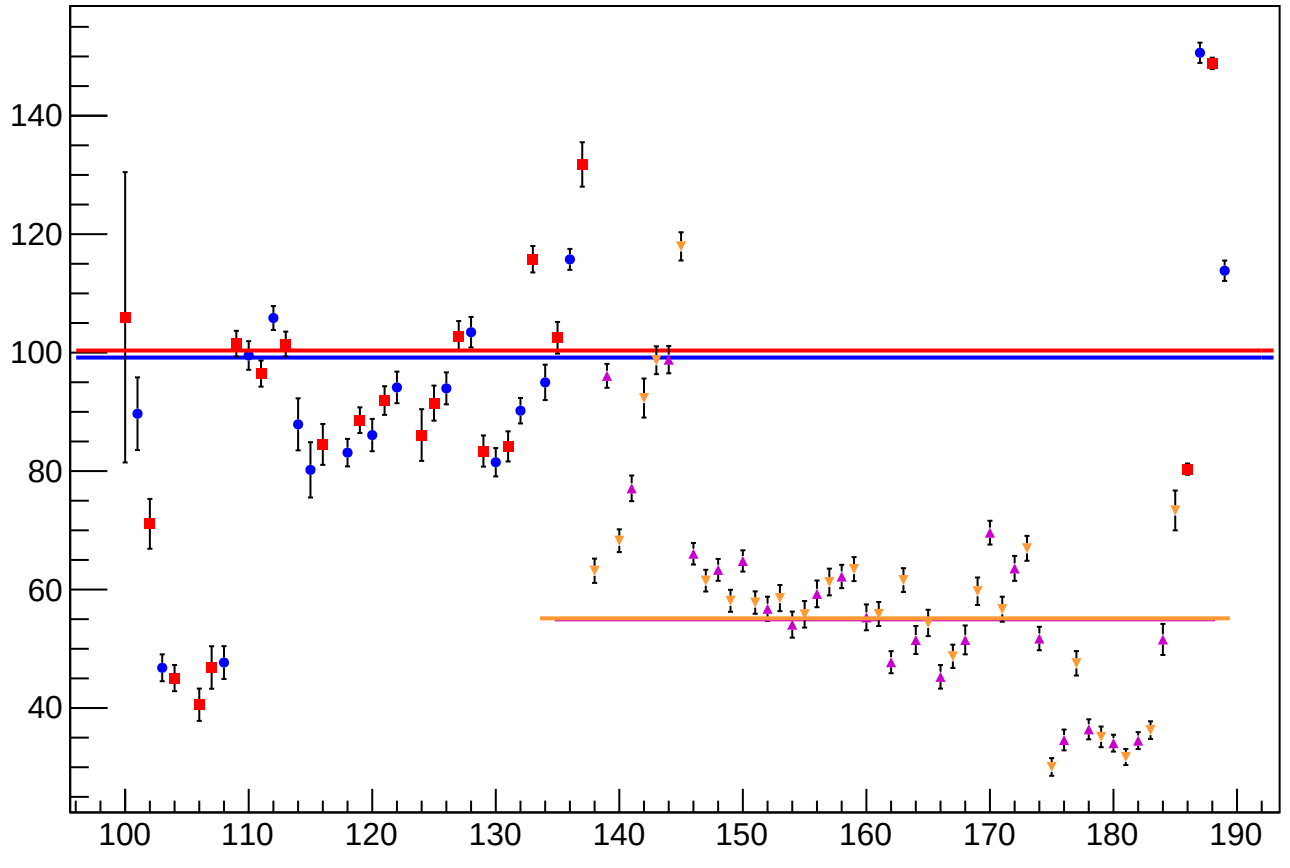
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.574+/-0.370 χ^2/NDF: 548.4/38

In: 6.875+/-0.272 χ^2/NDF:988.8/40

Out: 7.364+/-0.258 χ^2/NDF:1260.9/45

All: 7.133+/-0.187 χ^2/NDF: 2251.4/86



Right In: 99.167+/-0.566 χ^2/NDF: 2134.8/17

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 100.360+/-0.454 χ^2/NDF: 4725.7/20

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

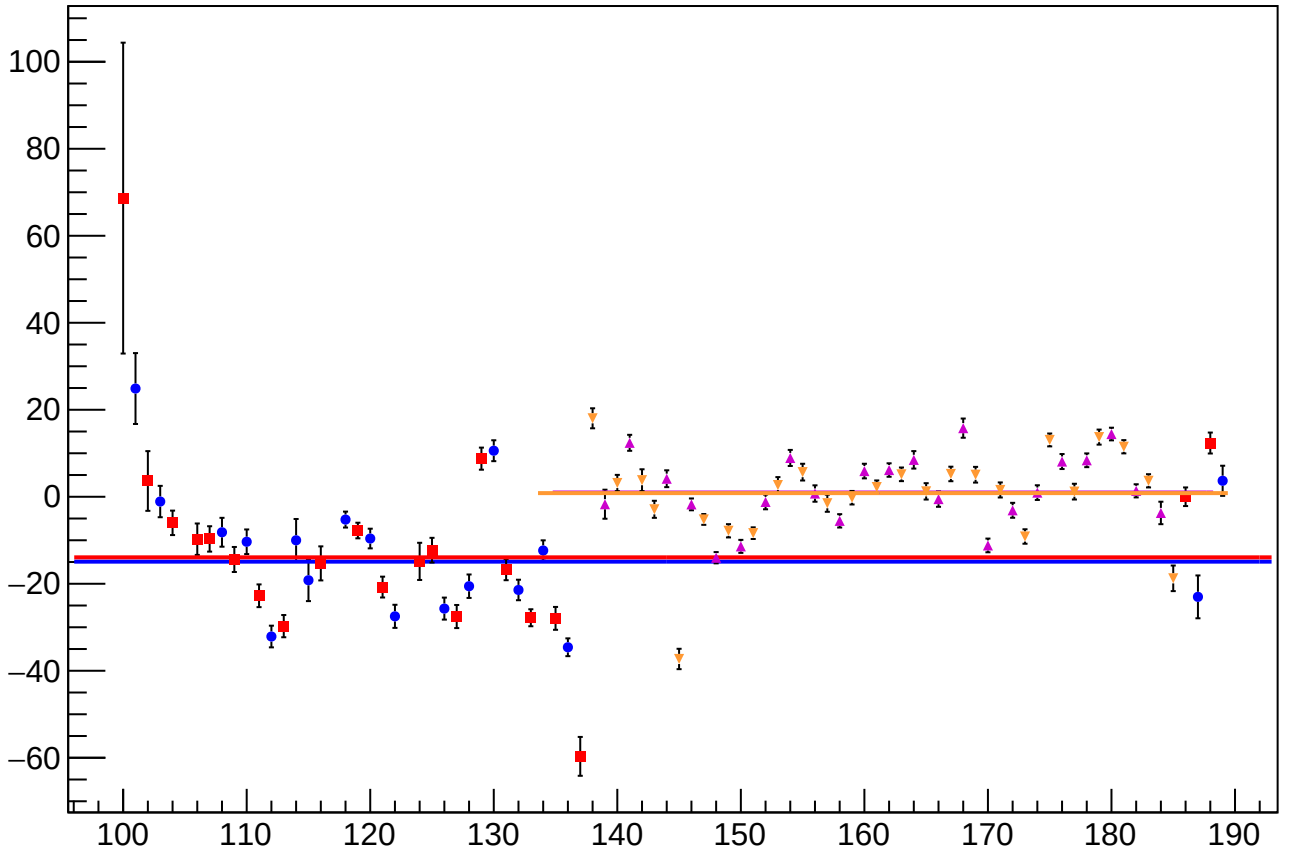
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 99.893+/-0.354 χ^2/NDF: 6863.2/38

In: 69.951+/-0.330 χ^2/NDF:7939.5/40

Out: 74.734+/-0.299 χ^2/NDF:12591.7/45

All: 72.578+/-0.221 χ^2/NDF: 20646.8/86



Right In: -14.914+/-0.648 χ^2/NDF: 418.7/17

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -13.926+/-0.597 χ^2/NDF: 546.4/20

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

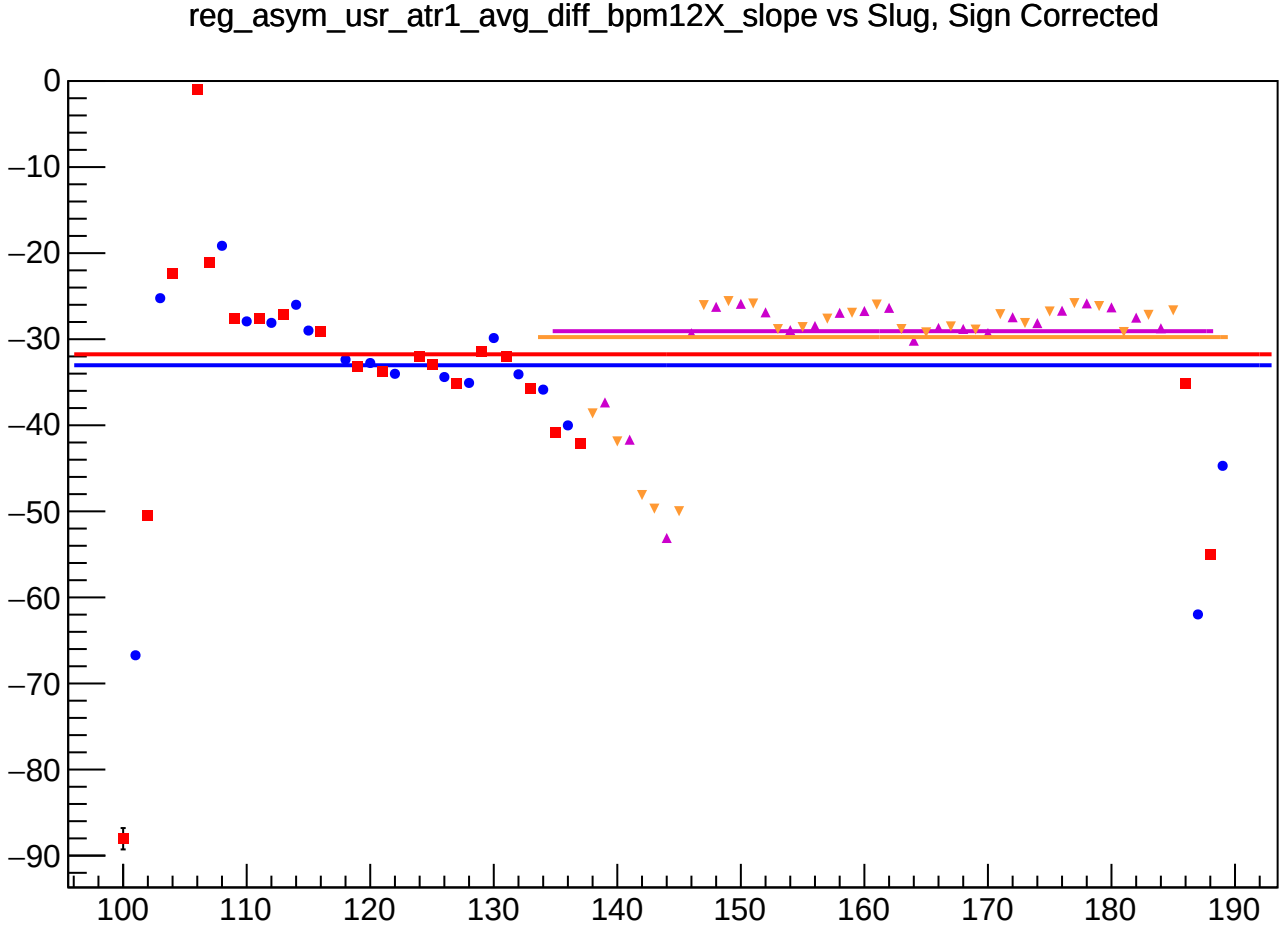
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -14.380+/-0.439 χ^2/NDF: 966.4/38

In: -2.665+/-0.310 χ^2/NDF:1441.2/40

Out: -2.822+/-0.297 χ^2/NDF:1723.5/45

All: -2.747+/-0.215 χ^2/NDF: 3164.9/86



Right In: -33.025+/-0.037 χ^2/NDF: 57673.4/17

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -31.753+/-0.036 χ^2/NDF: 136027.9/20

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

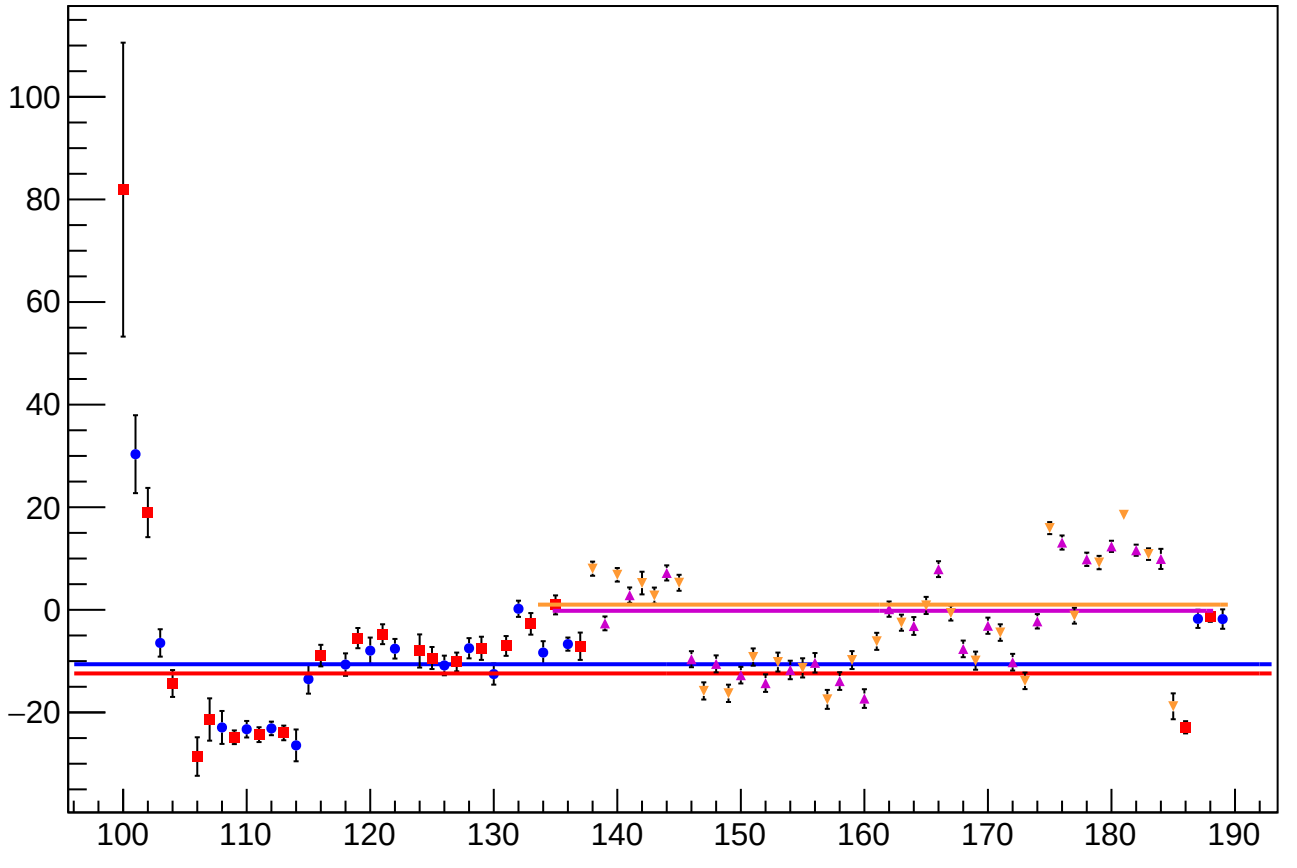
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -32.365+/-0.026 χ^2/NDF: 194314.3/38

In: -29.677+/-0.015 χ^2/NDF:168888.1/40

Out: -30.074+/-0.014 χ^2/NDF:302218.5/45

All: -29.879+/-0.010 χ^2/NDF: 471487.5/86



Right In: -10.607+/-0.464 χ^2/NDF: 335.4/17

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -12.402+/-0.408 χ^2/NDF: 620.3/20

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

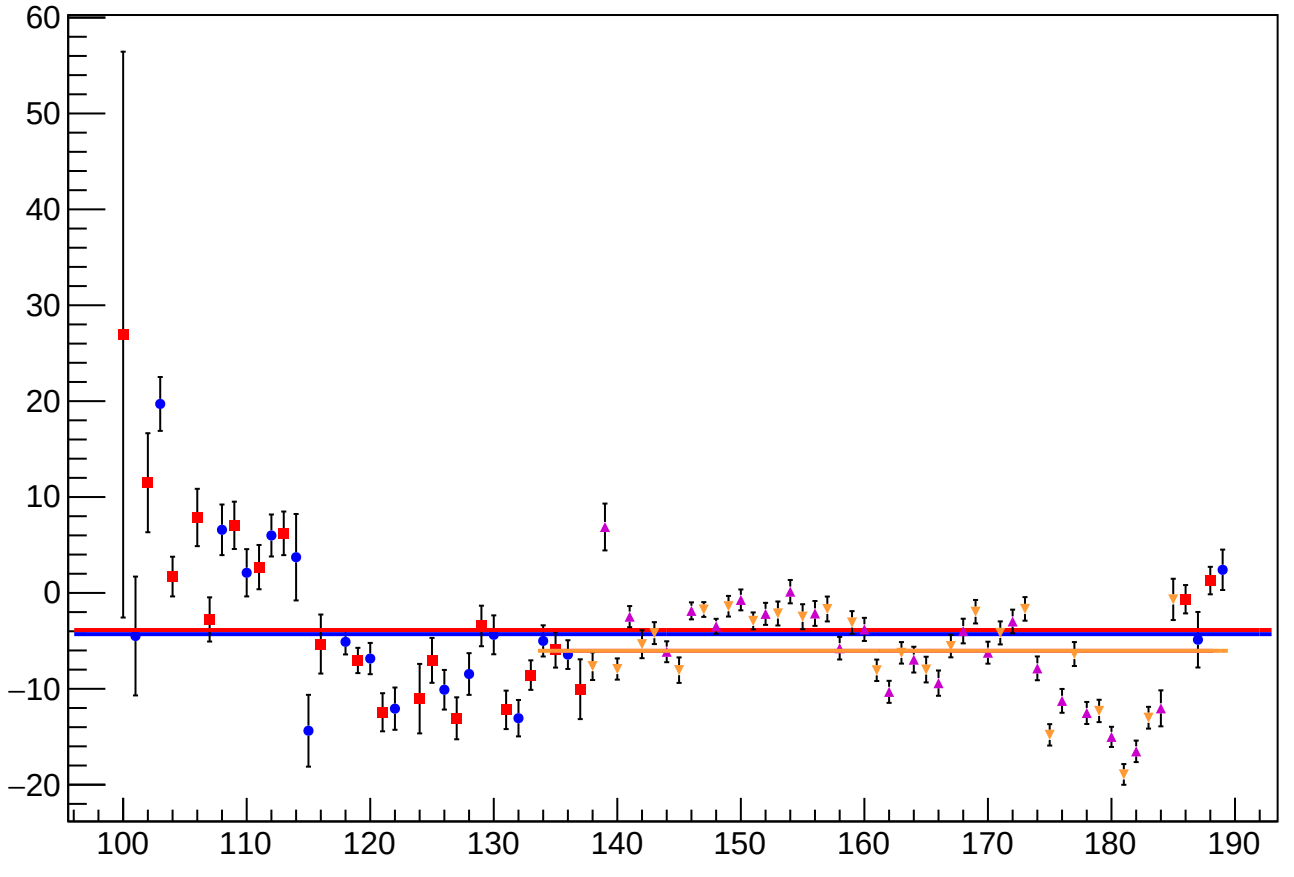
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -11.618+/-0.306 χ^2/NDF: 964.2/38

In: -3.473+/-0.260 χ^2/NDF:1663.6/40

Out: -3.790+/-0.244 χ^2/NDF:2649.5/45

All: -3.642+/-0.178 χ^2/NDF: 4313.9/86



Right In: -4.300+/-0.495 χ^2/NDF: 189.8/17

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -3.866+/-0.459 χ^2/NDF: 177.7/20

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

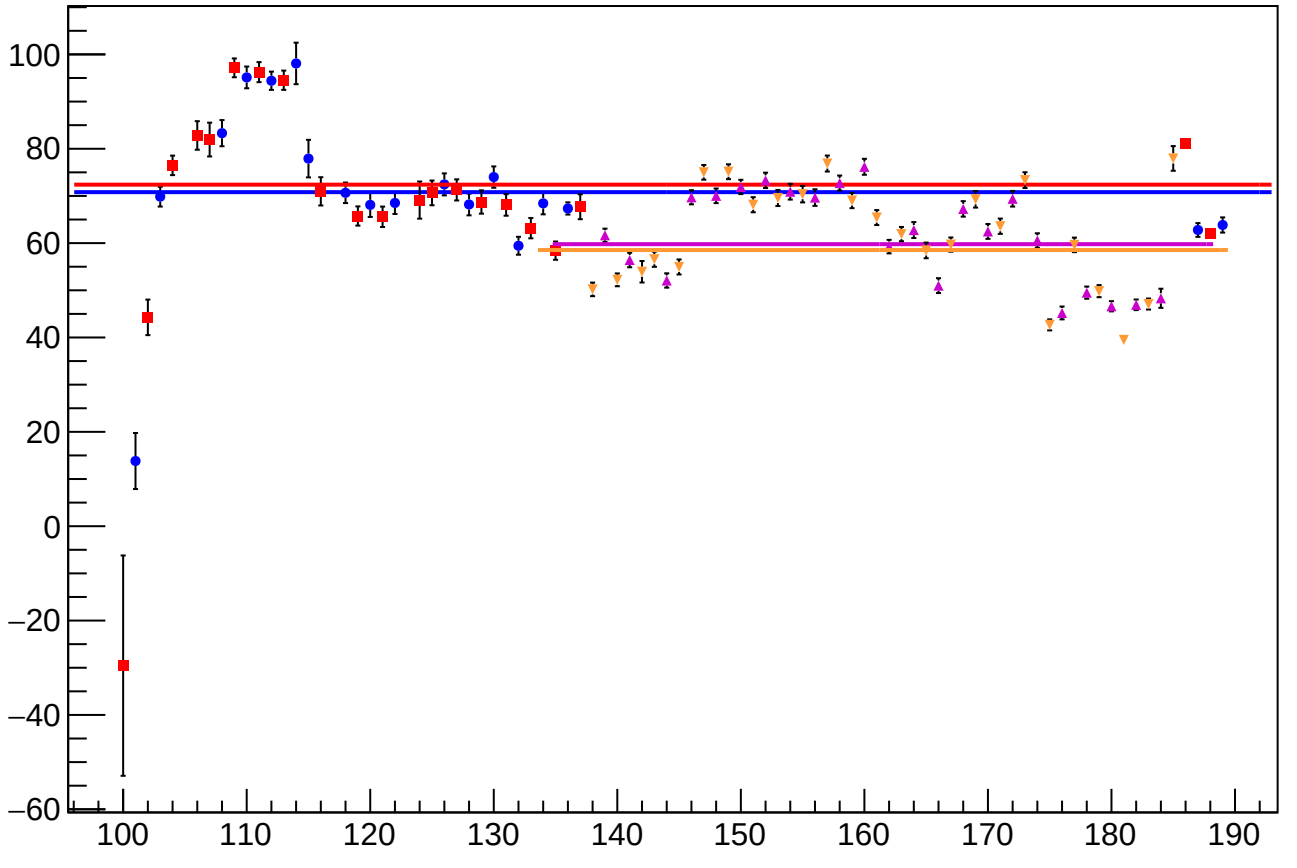
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -4.067+/-0.336 χ^2/NDF: 367.9/38

In: -5.705+/-0.218 χ^2/NDF:596.0/40

Out: -5.590+/-0.208 χ^2/NDF:610.3/45

All: -5.645+/-0.150 χ^2/NDF: 1206.5/86



Right In: 70.802+/-0.501 χ^2/NDF: 513.0/17

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 72.391+/-0.417 χ^2/NDF: 835.2/20

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

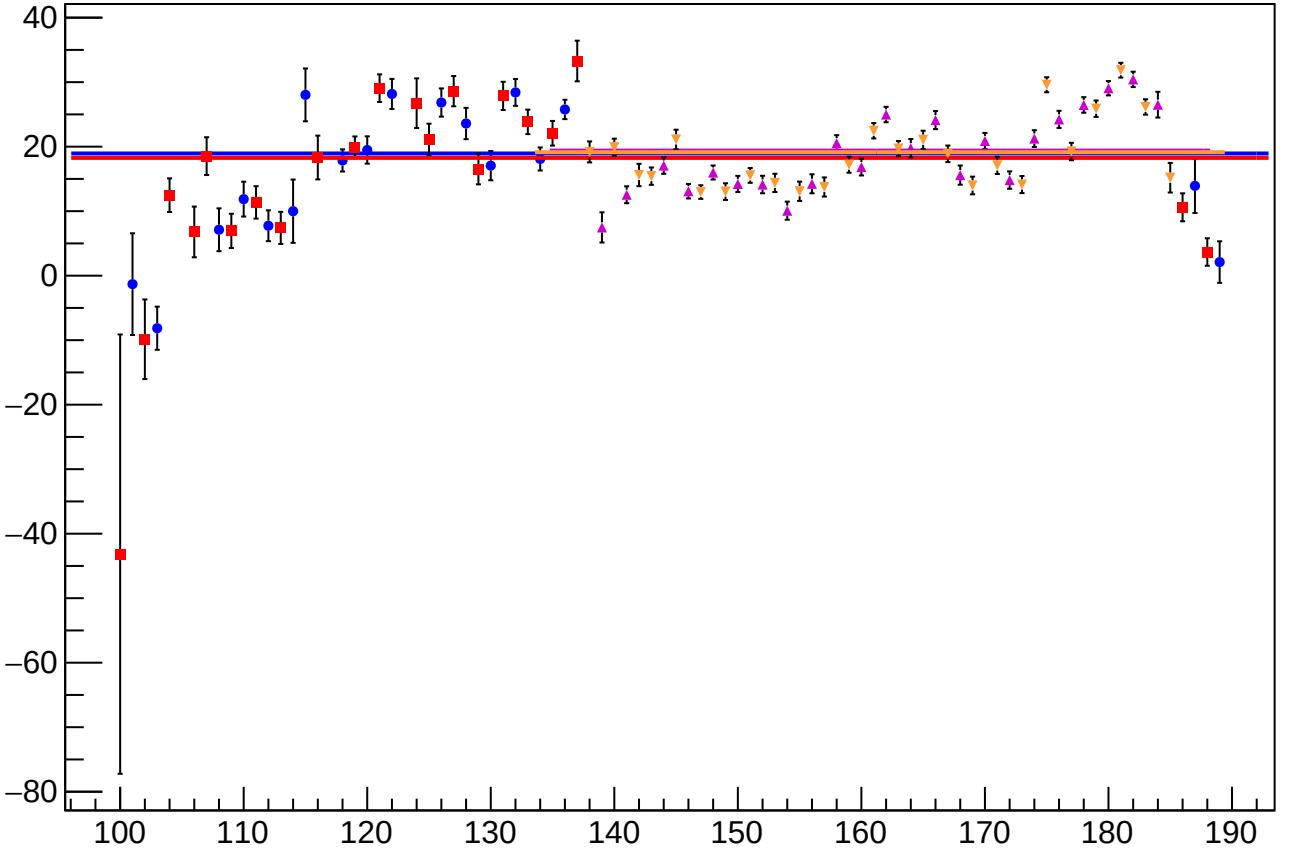
Right: 71.741+/-0.321 χ^2/NDF: 1354.1/38

In: 62.852+/-0.265 χ^2/NDF:1932.8/40

Out: 63.321+/-0.245 χ^2/NDF:3007.0/45

All: 63.105+/-0.180 χ^2/NDF: 4941.5/86

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 18.944+/-0.571 χ^2/NDF: 226.0/17

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 18.261+/-0.546 χ^2/NDF: 248.7/20

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

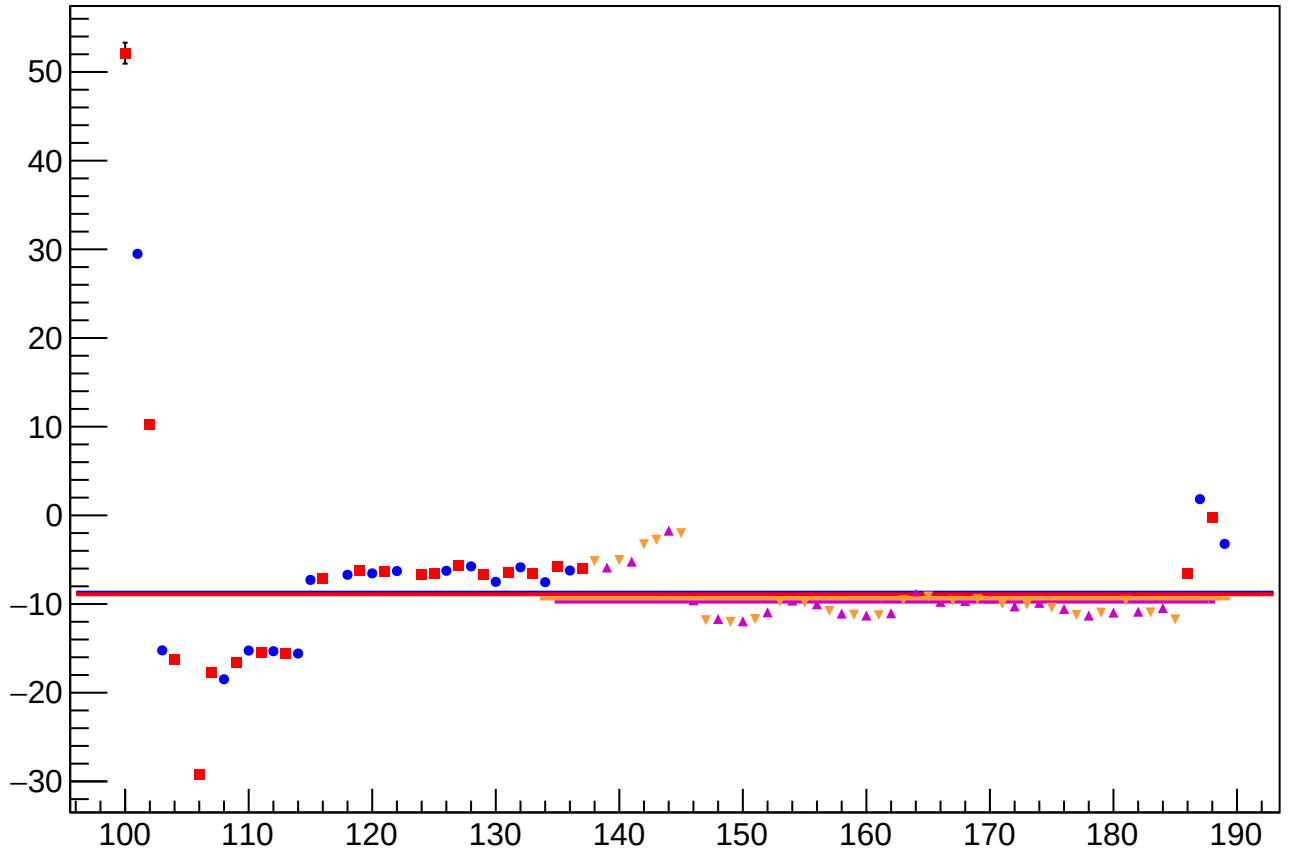
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 18.588+/-0.395 χ^2/NDF: 475.4/38

In: 19.306+/-0.247 χ^2/NDF:694.2/40

Out: 18.972+/-0.238 χ^2/NDF:684.5/45

All: 19.133+/-0.171 χ^2/NDF: 1379.7/86



Right In: -8.720+/-0.032 χ^2/NDF: 35020.8/17

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -8.901+/-0.032 χ^2/NDF: 61530.3/20

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

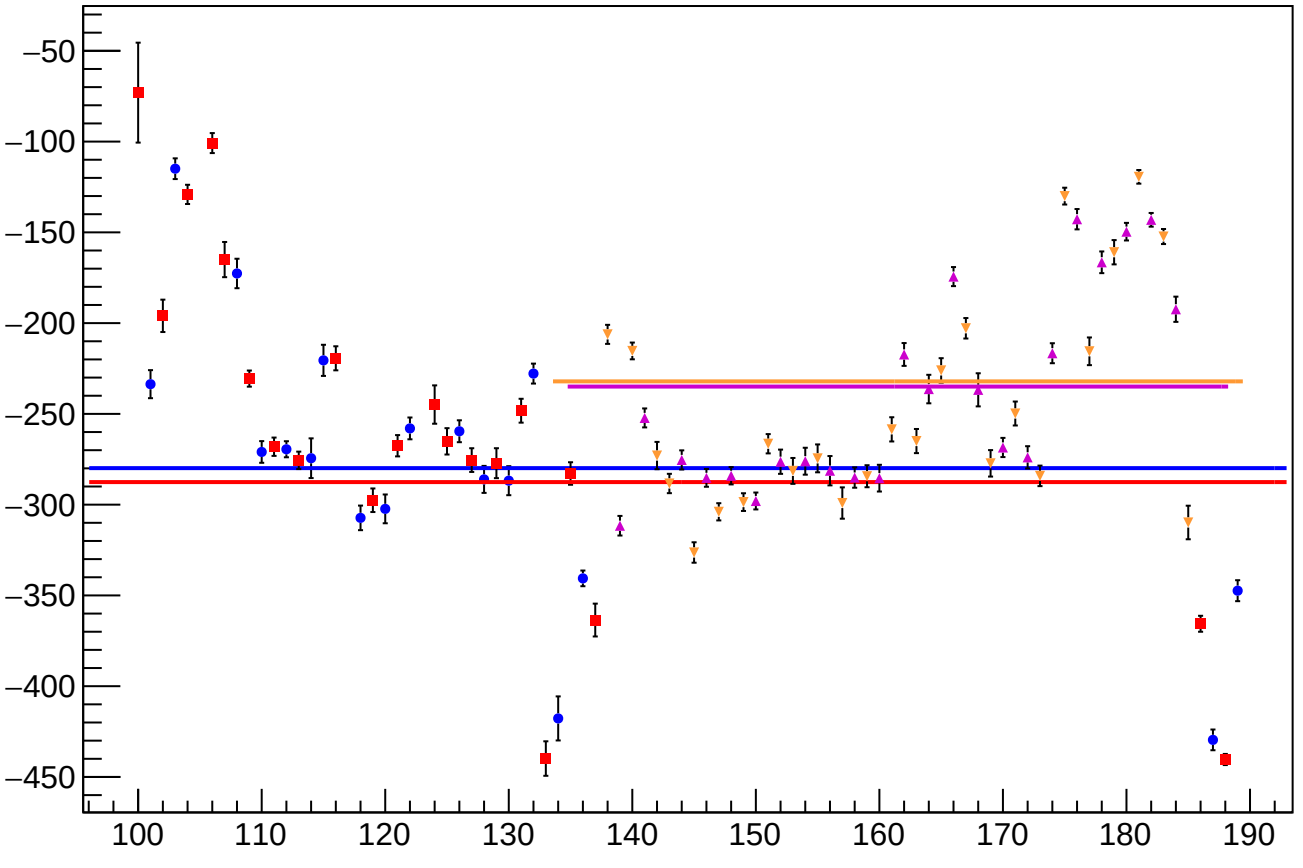
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -8.809+/-0.023 χ^2/NDF: 96567.1/38

In: -9.598+/-0.011 χ^2/NDF:67851.5/40

Out: -9.317+/-0.011 χ^2/NDF:111656.5/45

All: -9.455+/-0.008 χ^2/NDF: 179819.2/86



Right In: -279.878+/-1.500 χ^2/NDF: 2392.6/17

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -287.567+/-1.292 χ^2/NDF: 5870.6/20

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

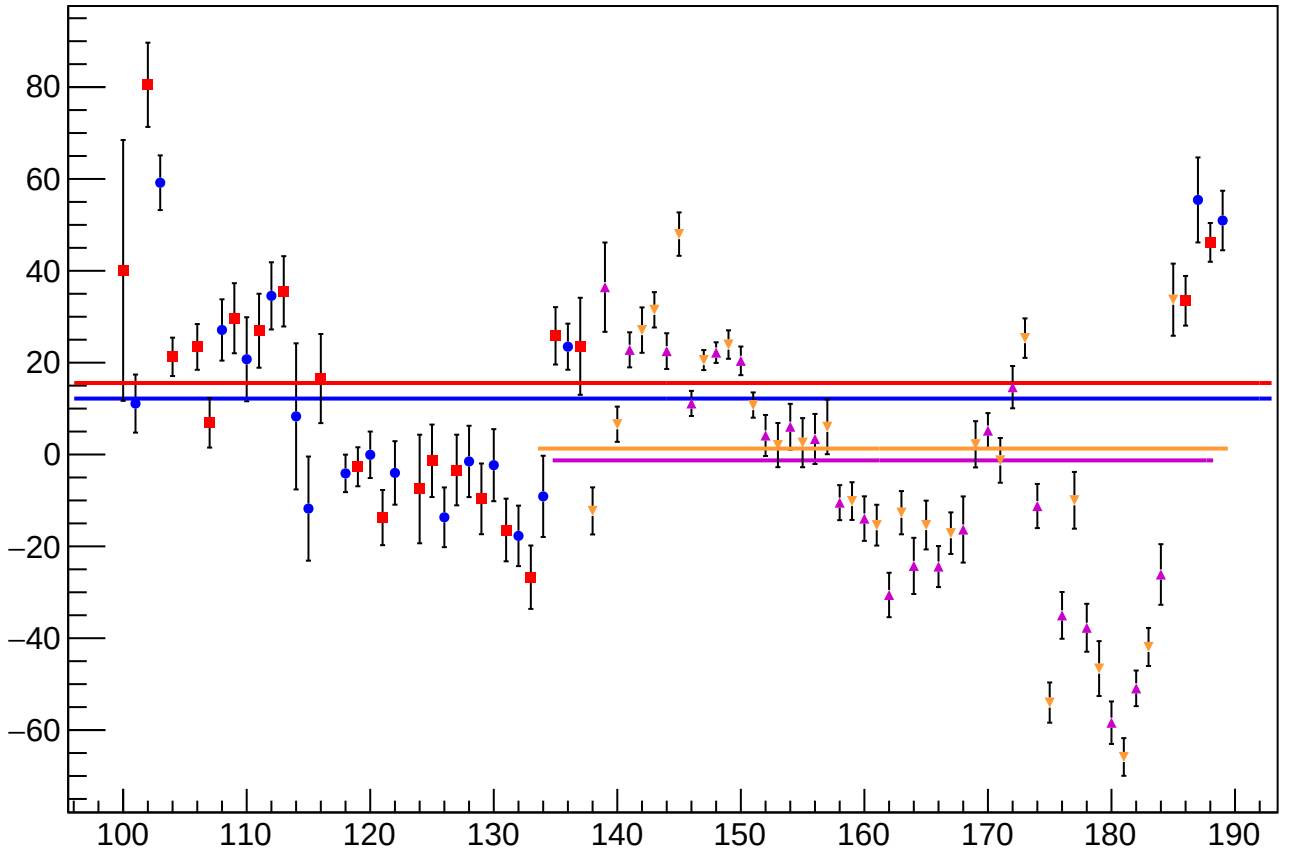
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -284.291+/-0.979 χ^2/NDF: 8278.3/38

In: -252.053+/-0.925 χ^2/NDF:5418.7/40

Out: -256.445+/-0.856 χ^2/NDF:10174.7/45

All: -254.419+/-0.628 χ^2/NDF: 15605.5/86



Right In: 12.180+/-1.570 χ^2/NDF: 220.8/17

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 15.569+/-1.397 χ^2/NDF: 263.8/20

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

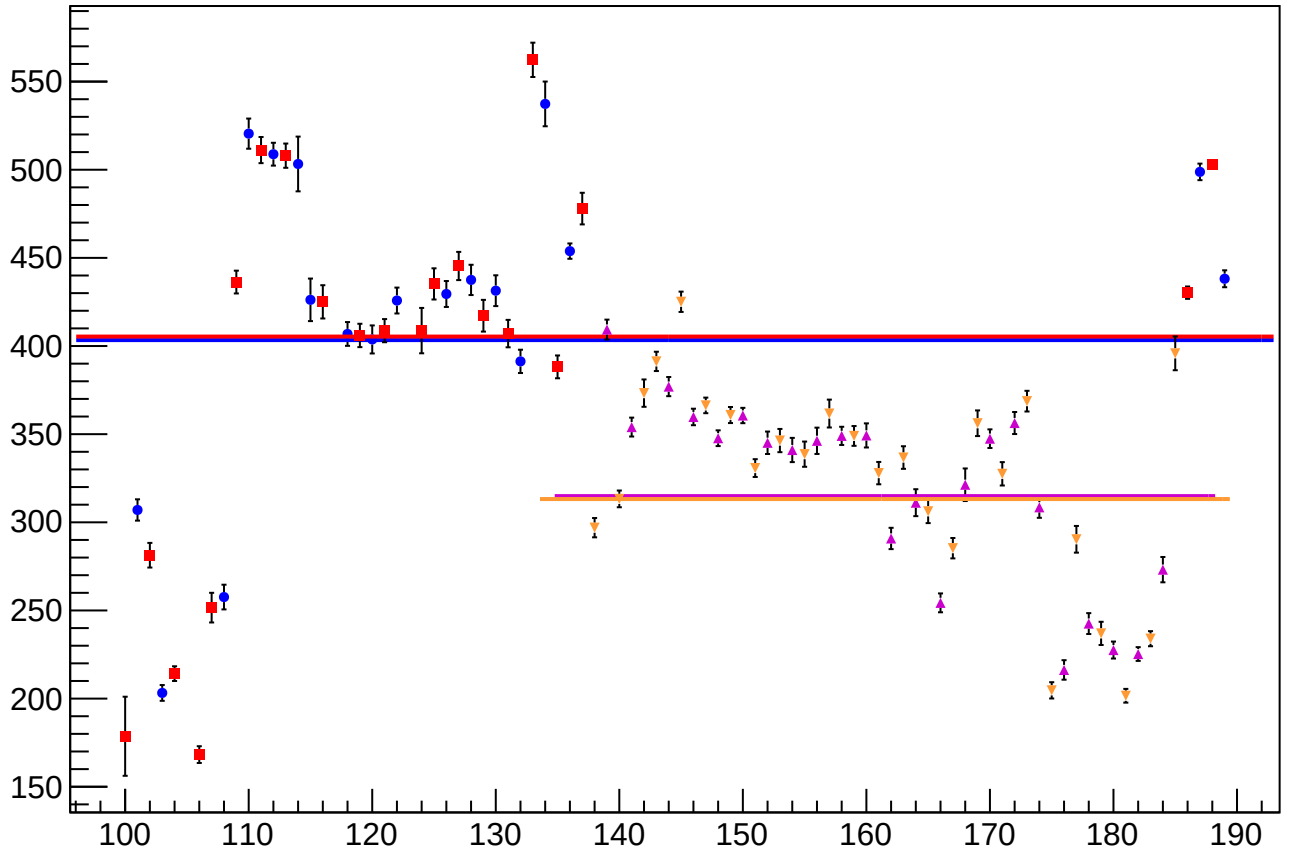
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 14.072+/-1.044 χ^2/NDF: 487.2/38

In: 1.874+/-0.760 χ^2/NDF:1088.3/40

Out: 5.066+/-0.718 χ^2/NDF:1390.1/45

All: 3.562+/-0.522 χ^2/NDF: 2487.7/86



Right In: 403.360+/-1.546 χ^2/NDF: 3943.9/17

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 405.362+/-1.275 χ^2/NDF: 7777.3/20

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

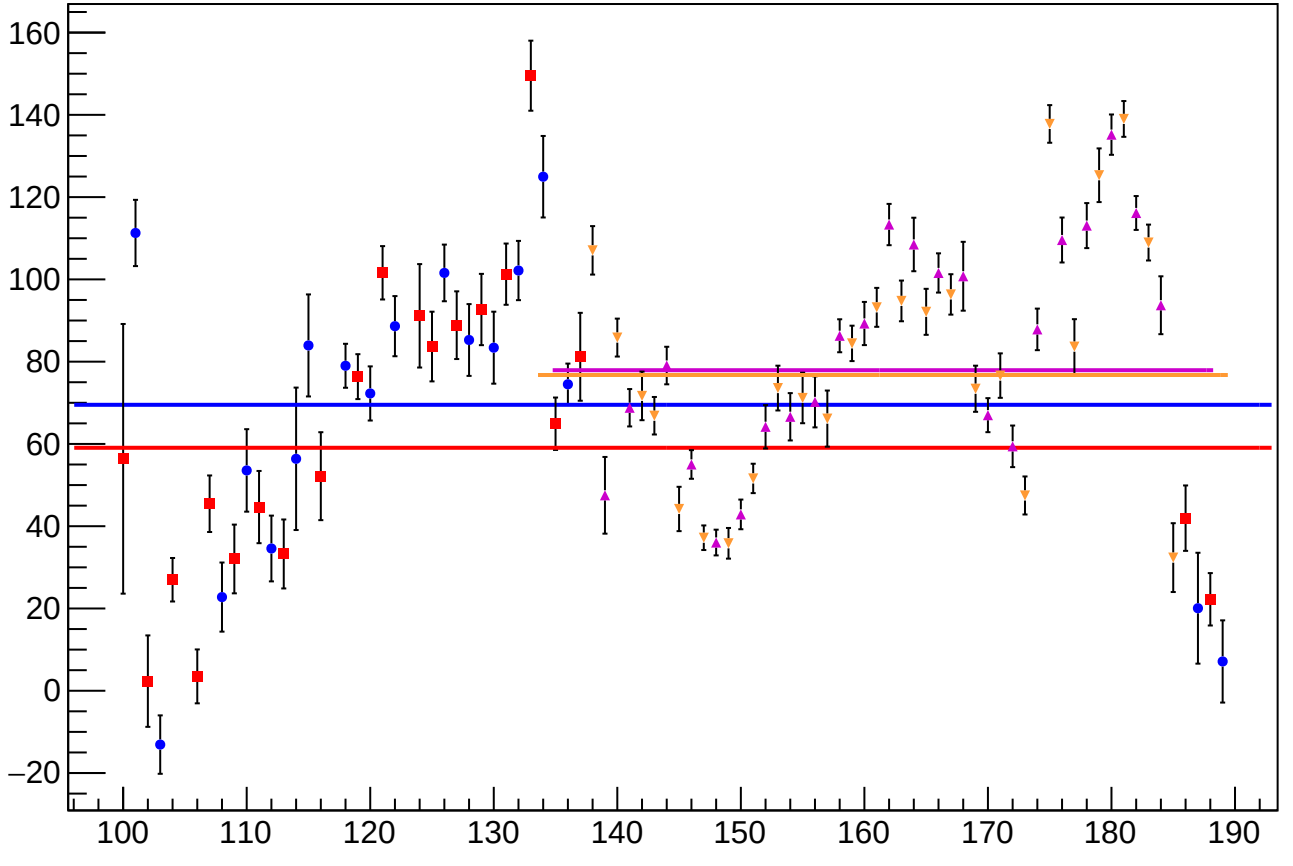
Right: 404.552+/-0.983 χ^2/NDF: 11722.2/38

In: 346.789+/-0.929 χ^2/NDF:8467.6/40

Out: 353.918+/-0.847 χ^2/NDF:13831.7/45

All: 350.679+/-0.626 χ^2/NDF: 22331.5/86

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 69.512+/-1.846 χ^2/NDF: 359.7/17

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 59.066+/-1.688 χ^2/NDF: 446.1/20

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

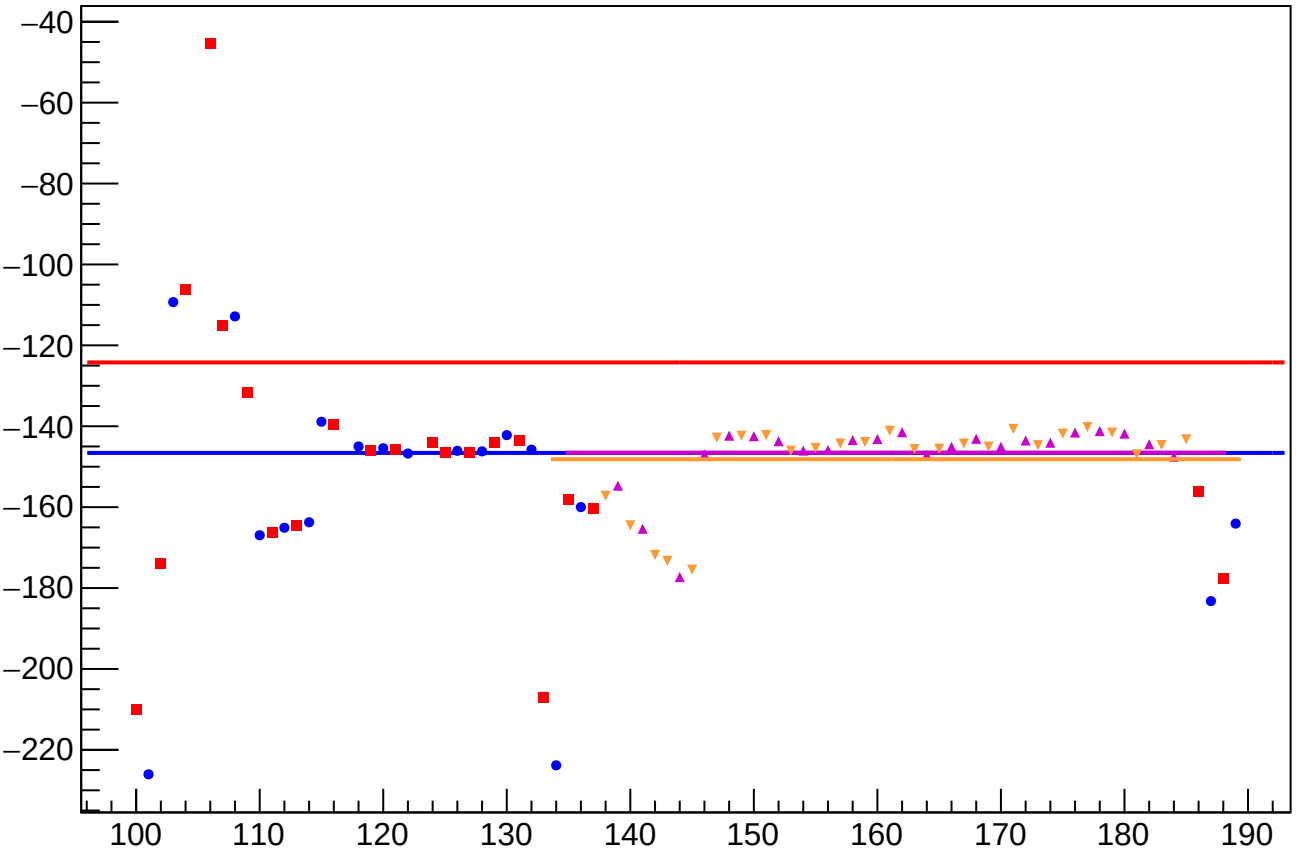
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 63.823+/-1.246 χ^2/NDF: 823.2/38

In: 76.024+/-0.877 χ^2/NDF:1159.6/40

Out: 72.389+/-0.839 χ^2/NDF:1564.2/45

All: 74.126+/-0.606 χ^2/NDF: 2732.7/86



Right In: -146.592+/-0.096 χ^2/NDF: 135908.8/17

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -124.217+/-0.085 χ^2/NDF: 299429.5/20

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

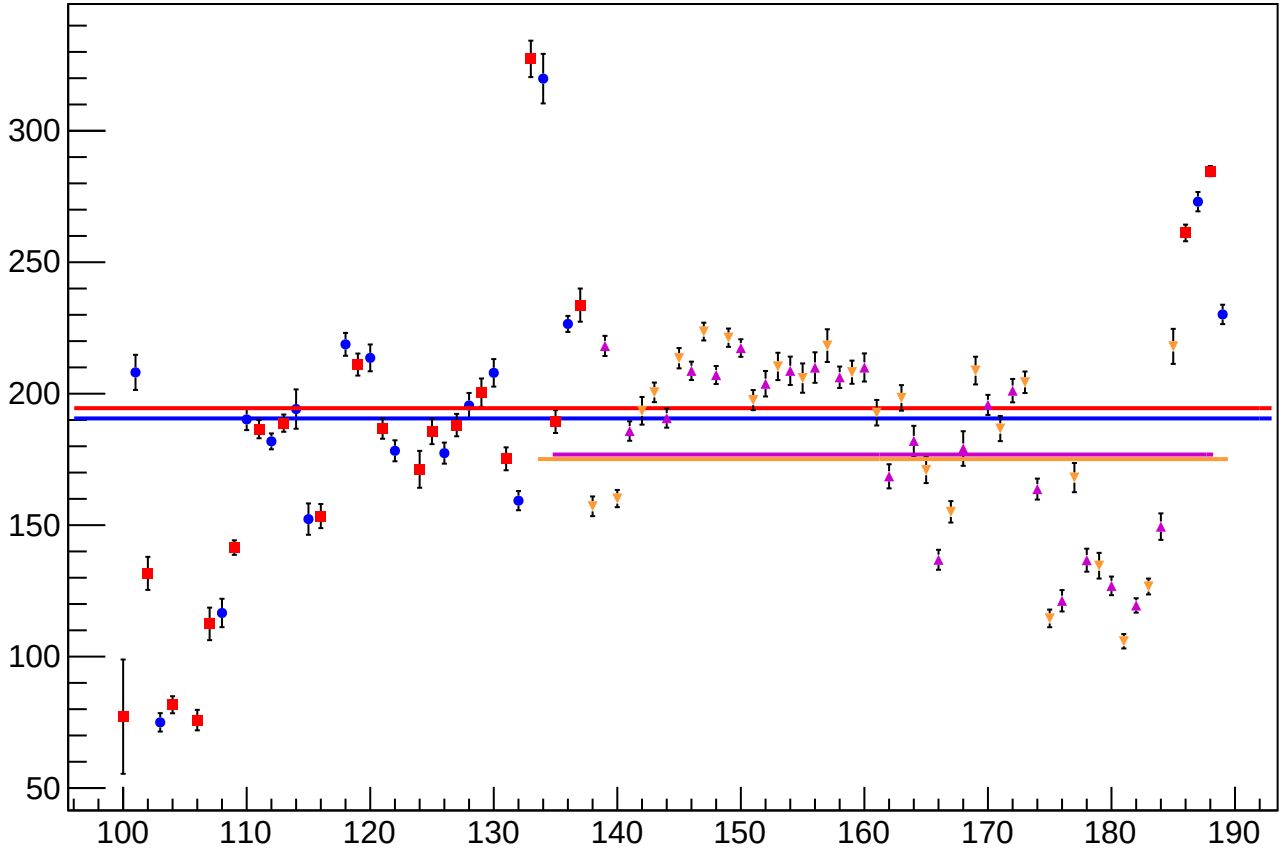
Right: -134.128+/-0.064 χ^2/NDF: 465863.2/38

In: -146.535+/-0.041 χ^2/NDF:165081.5/40

Out: -142.916+/-0.040 χ^2/NDF:409931.9/45

All: -144.669+/-0.029 χ^2/NDF: 579009.1/86

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 190.589+/-1.004 χ^2/NDF: 2446.7/17

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 194.488+/-0.856 χ^2/NDF: 5976.3/20

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

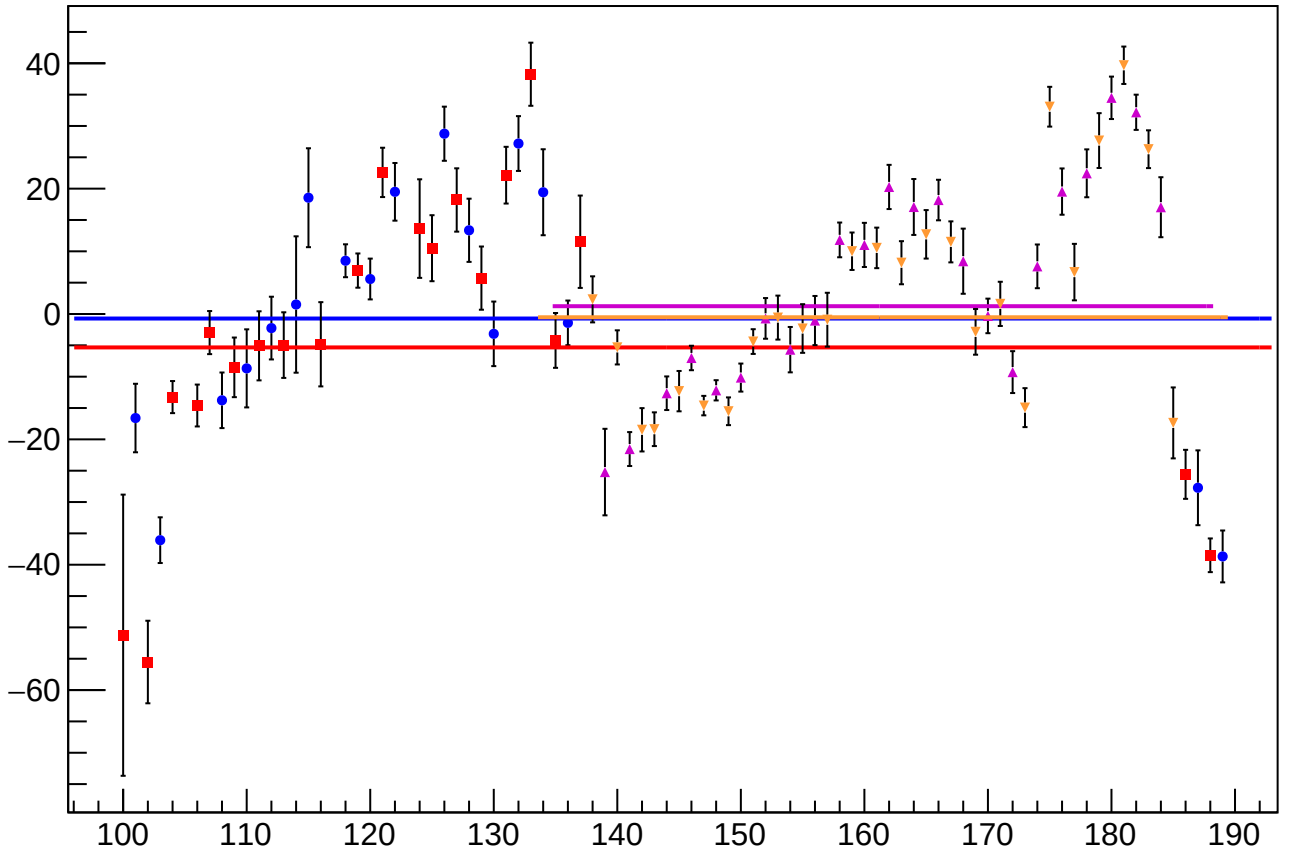
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 192.848+/-0.651 χ^2/NDF: 8431.7/38

In: 182.566+/-0.648 χ^2/NDF:4311.9/40

Out: 184.416+/-0.593 χ^2/NDF:8537.7/45

All: 183.572+/-0.437 χ^2/NDF: 12854.1/86



Right In: -0.722+/-1.051 χ^2/NDF: 362.9/17

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -5.332+/-0.921 χ^2/NDF: 488.5/20

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

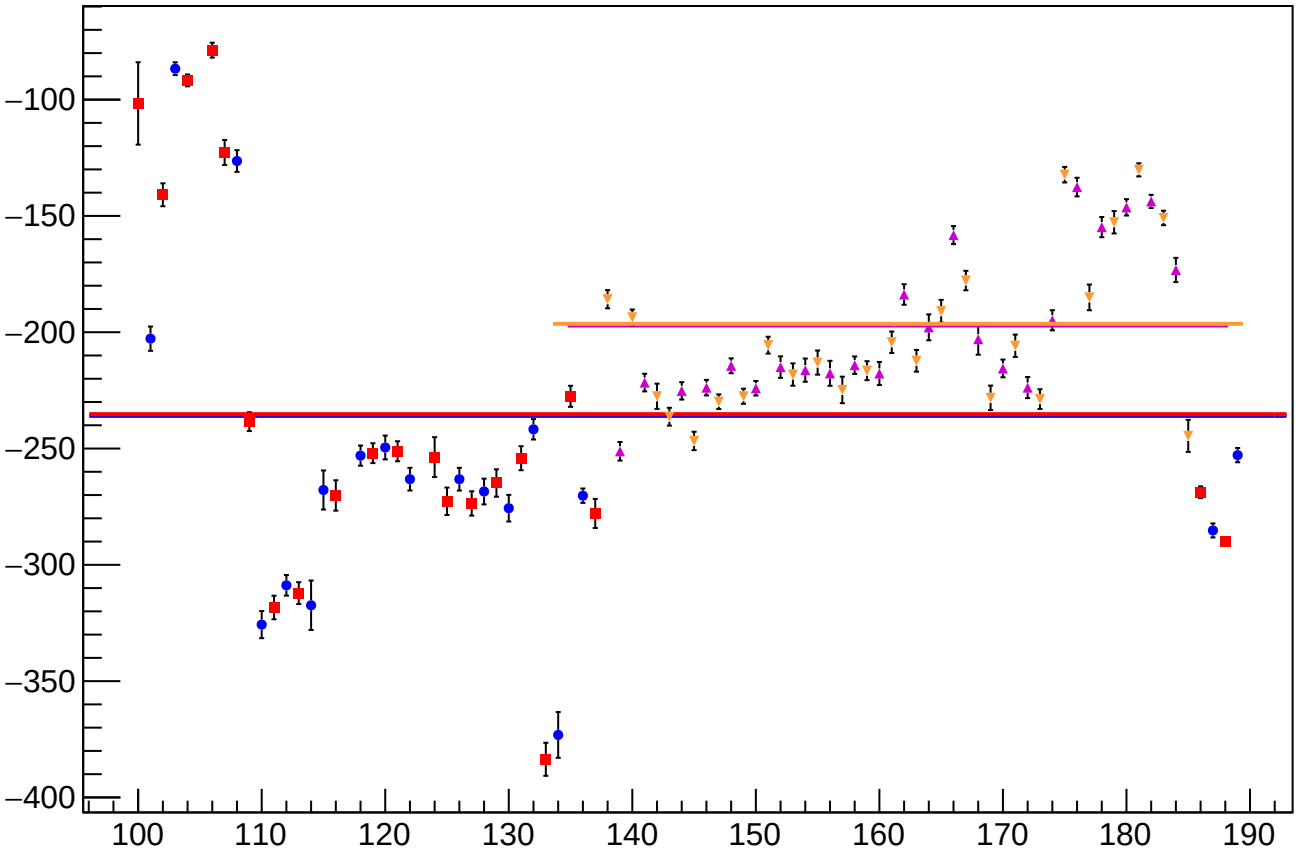
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -3.330+/-0.692 χ^2/NDF: 862.3/38

In: 0.730+/-0.537 χ^2/NDF:986.0/40

Out: -1.959+/-0.503 χ^2/NDF:1232.1/45

All: -0.704+/-0.367 χ^2/NDF: 2231.5/86



Right In: -235.957+/-1.031 χ^2/NDF: 4906.8/17

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -235.213+/-0.840 χ^2/NDF: 9024.1/20

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

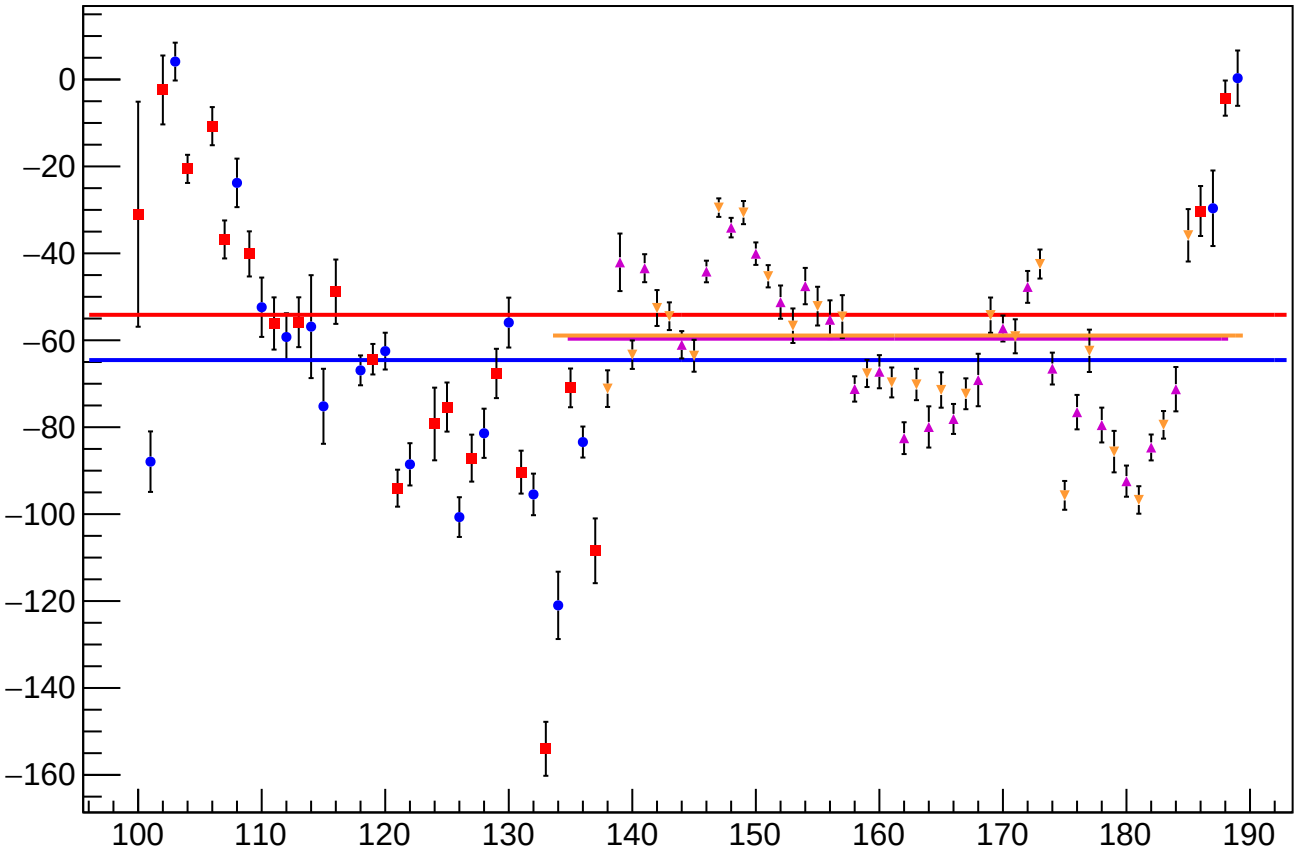
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -235.510+/-0.651 χ^2/NDF: 13931.2/38

In: -212.541+/-0.650 χ^2/NDF:7362.9/40

Out: -215.228+/-0.585 χ^2/NDF:12121.8/45

All: -214.025+/-0.435 χ^2/NDF: 19494.1/86



Right In: -64.556+/-1.240 χ^2/NDF: 661.0/17

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -54.142+/-1.115 χ^2/NDF: 984.0/20

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

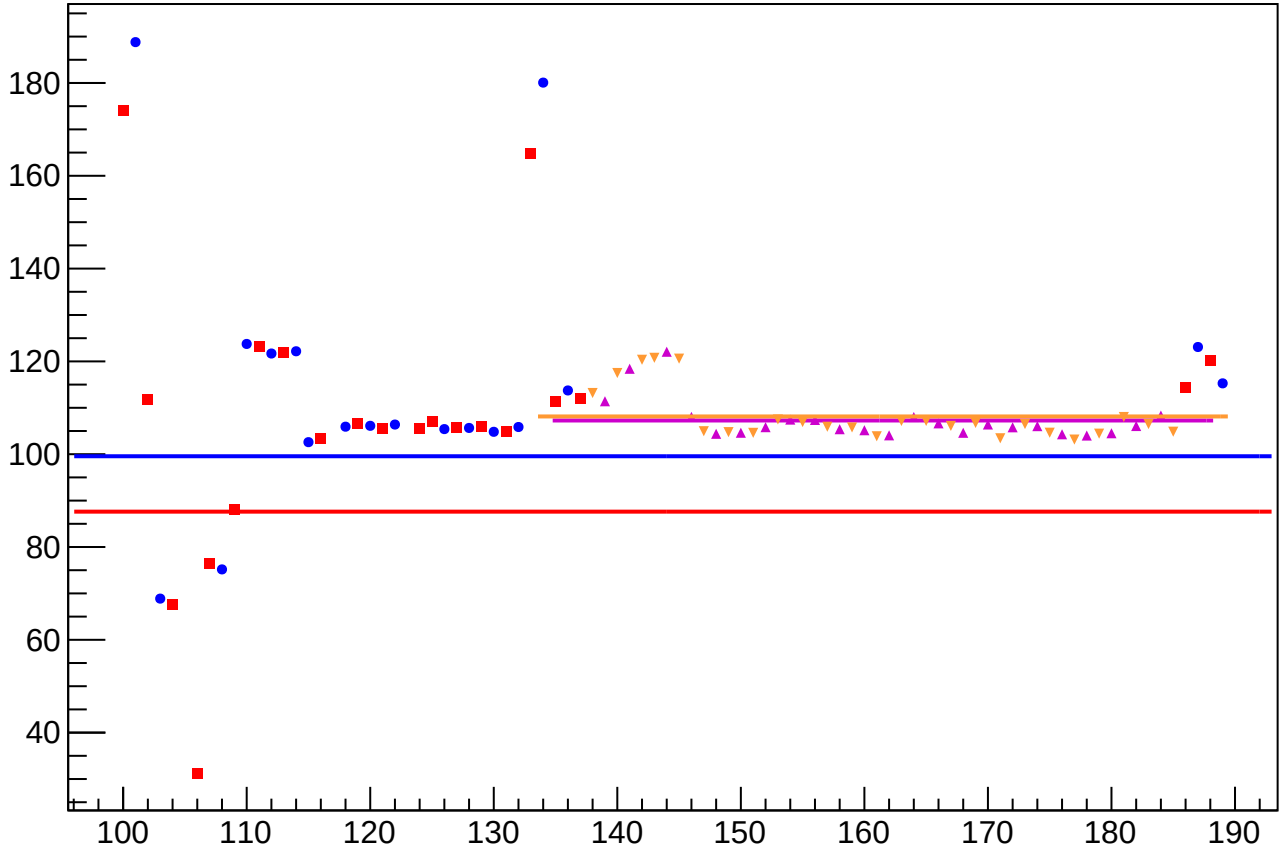
Right: -58.796+/-0.829 χ^2/NDF: 1684.0/38

In: -60.873+/-0.622 χ^2/NDF:1269.8/40

Out: -57.576+/-0.590 χ^2/NDF:1779.6/45

All: -59.137+/-0.428 χ^2/NDF: 3064.3/86

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.560+/-0.064 χ^2/NDF: 233783.8/17

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 87.620+/-0.058 χ^2/NDF: 298192.4/20

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

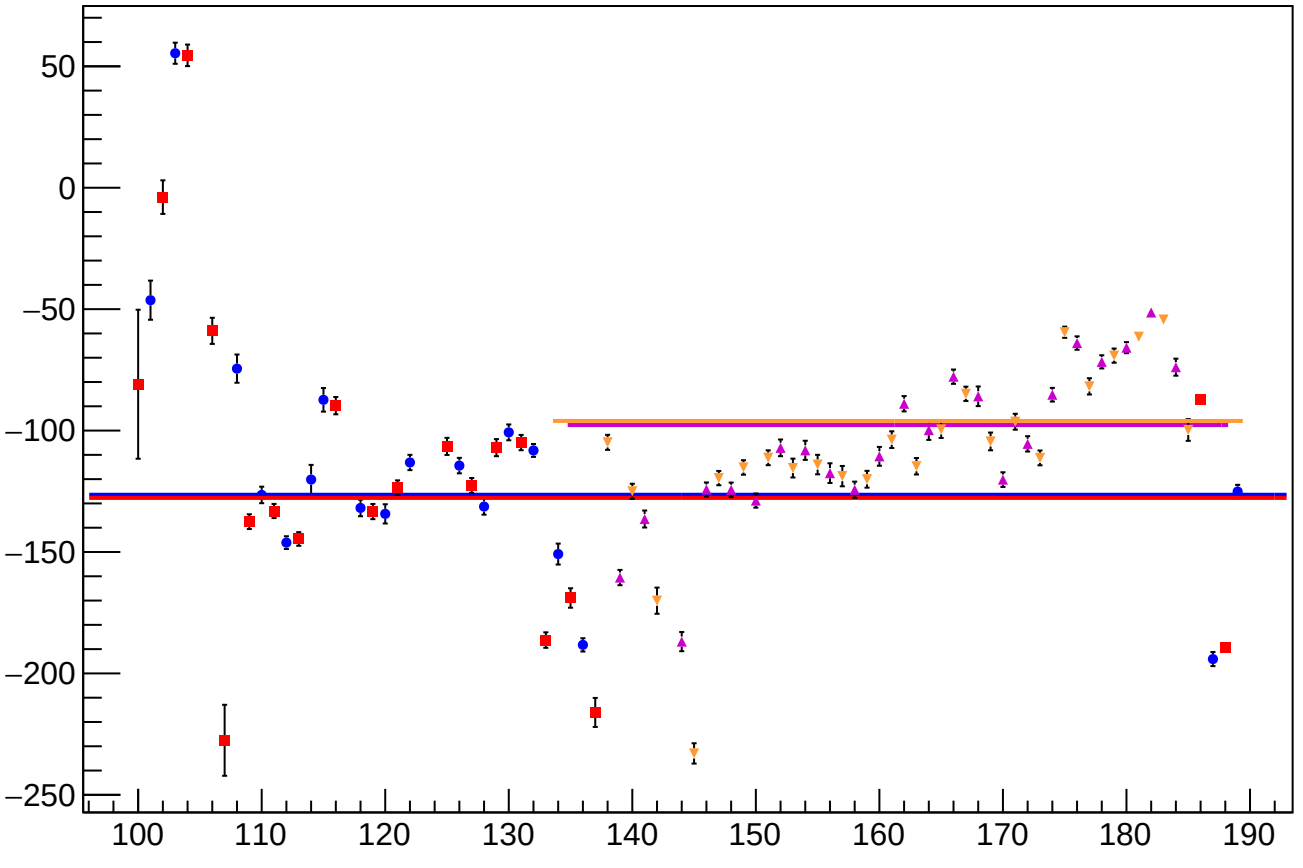
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 92.990+/-0.043 χ^2/NDF: 551148.4/38

In: 105.659+/-0.029 χ^2/NDF:262152.1/40

Out: 103.222+/-0.028 χ^2/NDF:420325.8/45

All: 104.402+/-0.020 χ^2/NDF: 686066.2/86



Right In: -126.426+/-0.814 χ^2/NDF: 3285.4/17

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -127.733+/-0.699 χ^2/NDF: 5207.9/19

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

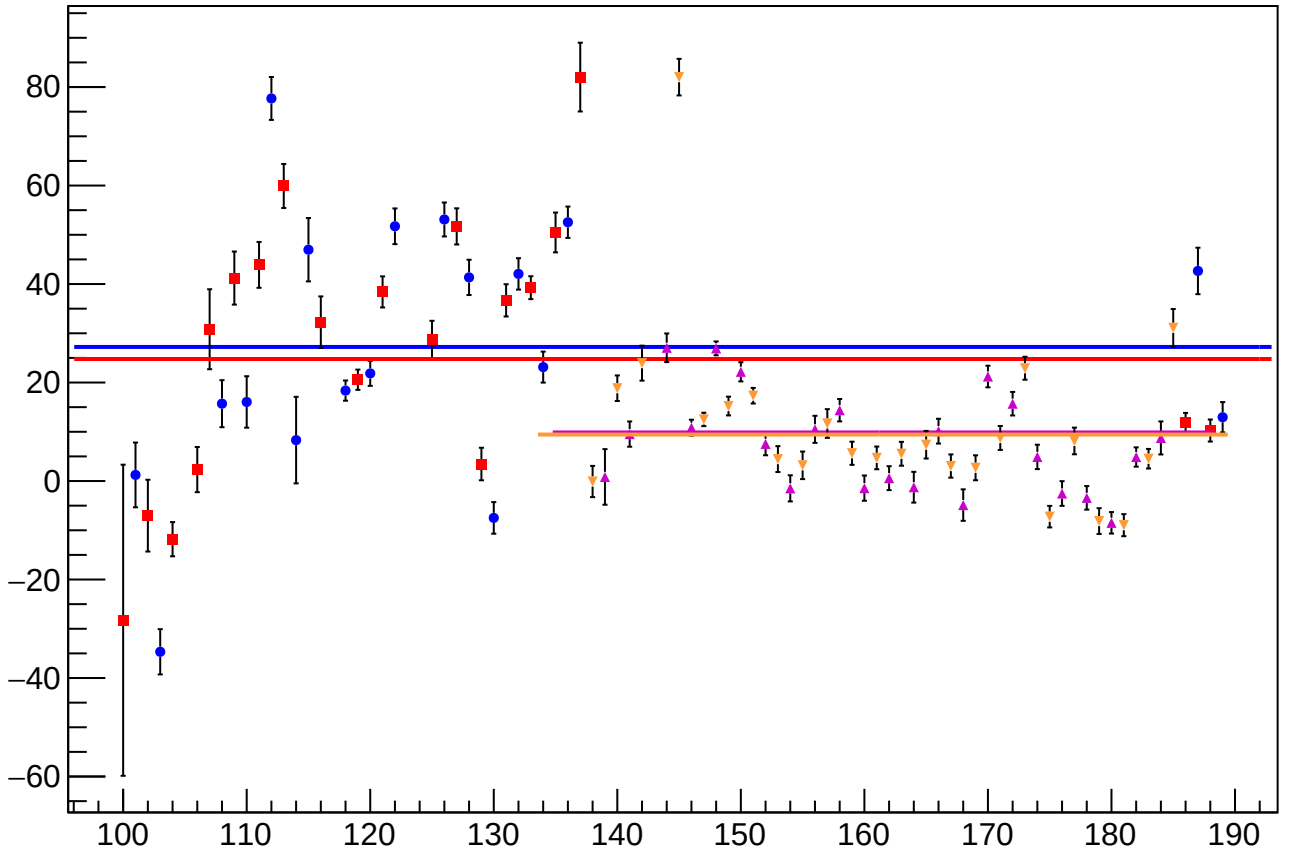
Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

Right: -127.178+/-0.530 χ^2/NDF: 8494.7/37

In: -108.654+/-0.502 χ^2/NDF:6696.7/40

Out: -110.366+/-0.470 χ^2/NDF:9106.8/43

All: -109.567+/-0.343 χ^2/NDF: 15809.7/84



Right In: 27.227+/-0.840 χ^2/NDF: 732.4/17

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.778+/-0.766 χ^2/NDF: 609.0/19

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

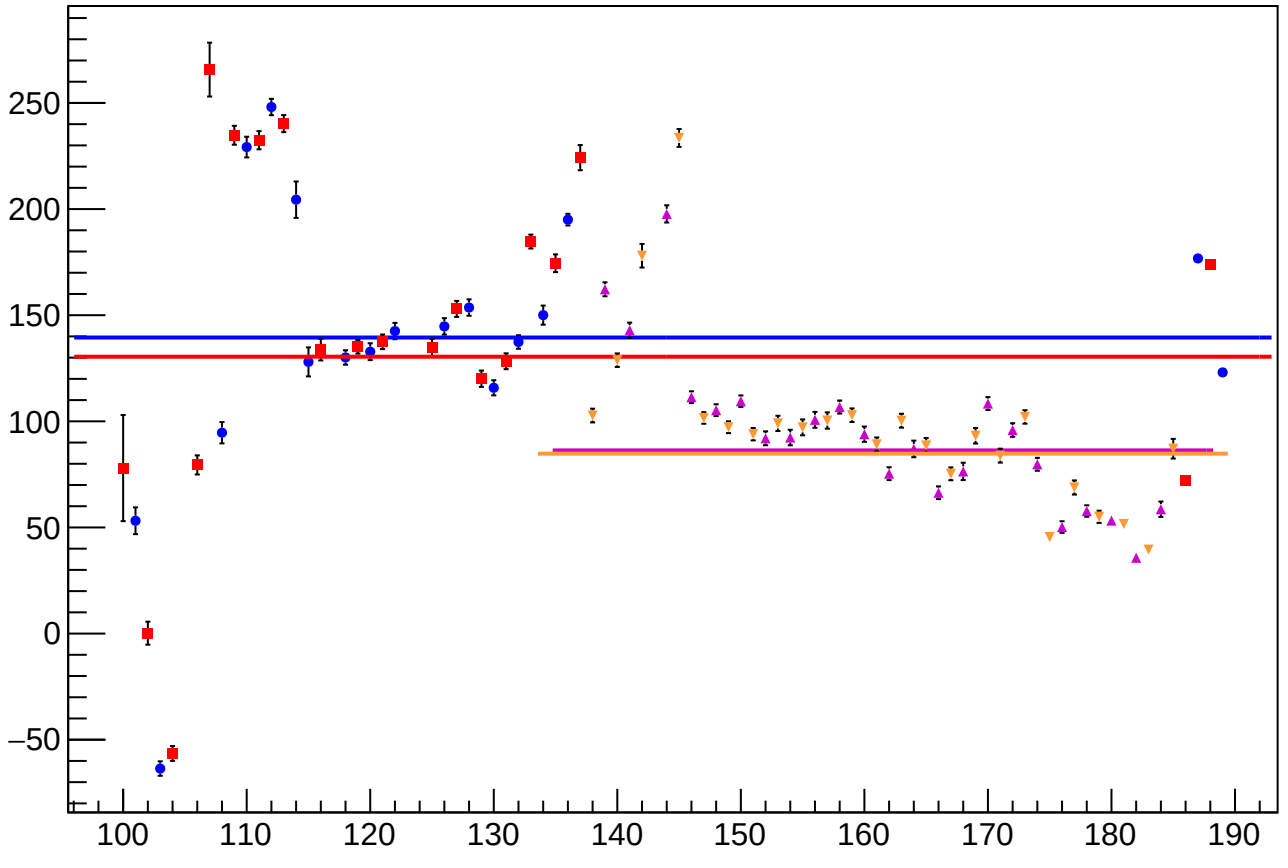
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 25.890+/-0.566 χ^2/NDF: 1346.1/37

In: 14.230+/-0.421 χ^2/NDF:1537.9/40

Out: 13.737+/-0.405 χ^2/NDF:1634.1/43

All: 13.974+/-0.292 χ^2/NDF: 3172.7/84



Right In: 139.479+/-0.858 χ^2/NDF: 5770.2/17

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 130.444+/-0.681 χ^2/NDF: 9273.3/19

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

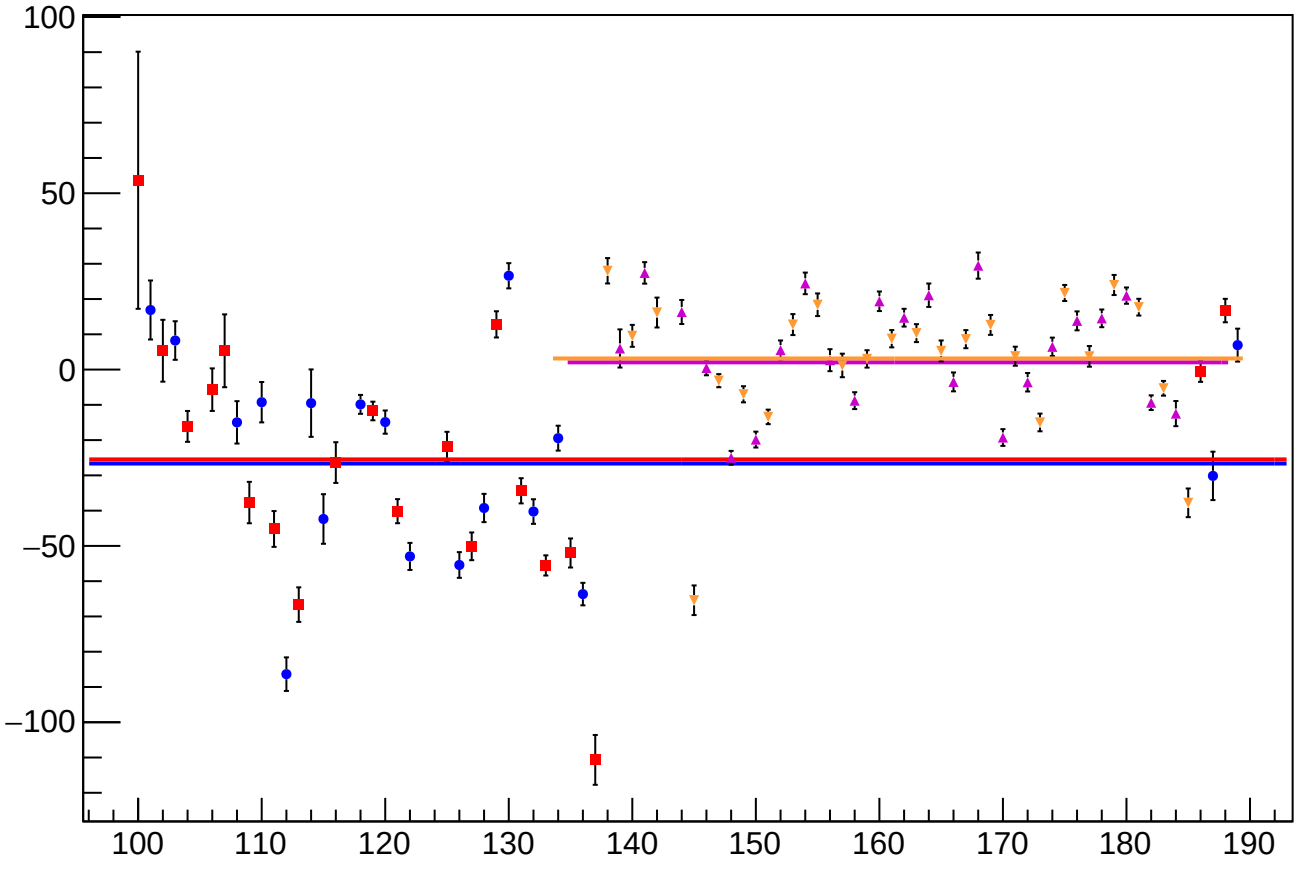
Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

Right: 133.935+/-0.533 χ^2/NDF: 15111.6/37

In: 105.010+/-0.509 χ^2/NDF:11415.4/40

Out: 105.809+/-0.462 χ^2/NDF:14813.4/43

All: 105.448+/-0.342 χ^2/NDF: 26230.1/84



Right In: -26.643+/-0.988 χ^2/NDF: 845.4/17

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -25.469+/-0.932 χ^2/NDF: 858.3/19

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

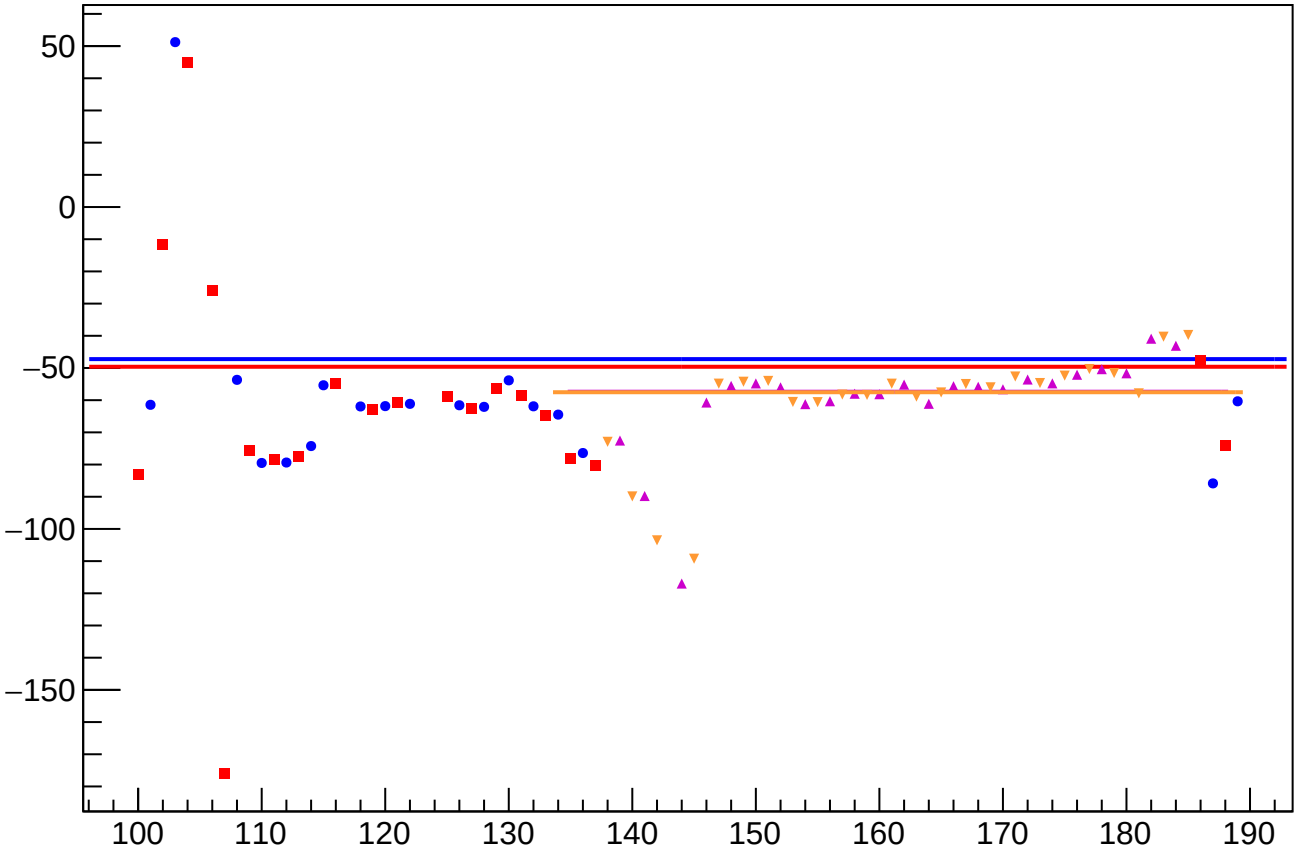
Right: -26.022+/-0.678 χ^2/NDF: 1704.5/37

In: -4.755+/-0.481 χ^2/NDF:2339.4/40

Out: -4.112+/-0.470 χ^2/NDF:2375.3/43

All: -4.426+/-0.336 χ^2/NDF: 4715.6/84

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -47.243+/-0.057 χ^2/NDF: 590966.6/17

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -49.619+/-0.056 χ^2/NDF: 518917.9/19

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

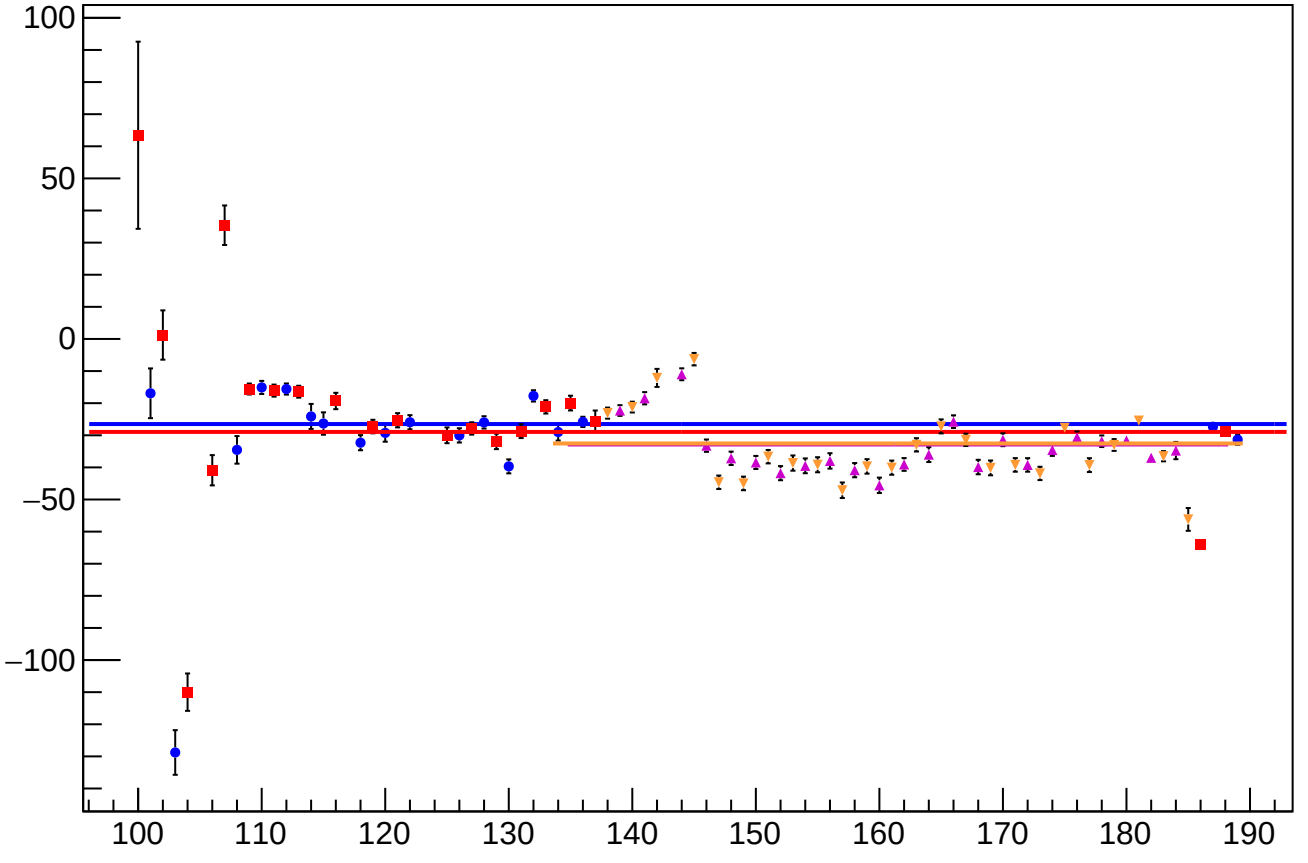
Right: -48.443+/-0.040 χ^2/NDF: 1110763.6/37

In: -55.767+/-0.023 χ^2/NDF:844730.2/40

Out: -56.253+/-0.023 χ^2/NDF:802454.6/43

All: -56.010+/-0.016 χ^2/NDF: 1647414.2/84

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -26.502+/-0.517 χ^2/NDF: 374.0/17

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -28.953+/-0.454 χ^2/NDF: 1149.3/19

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

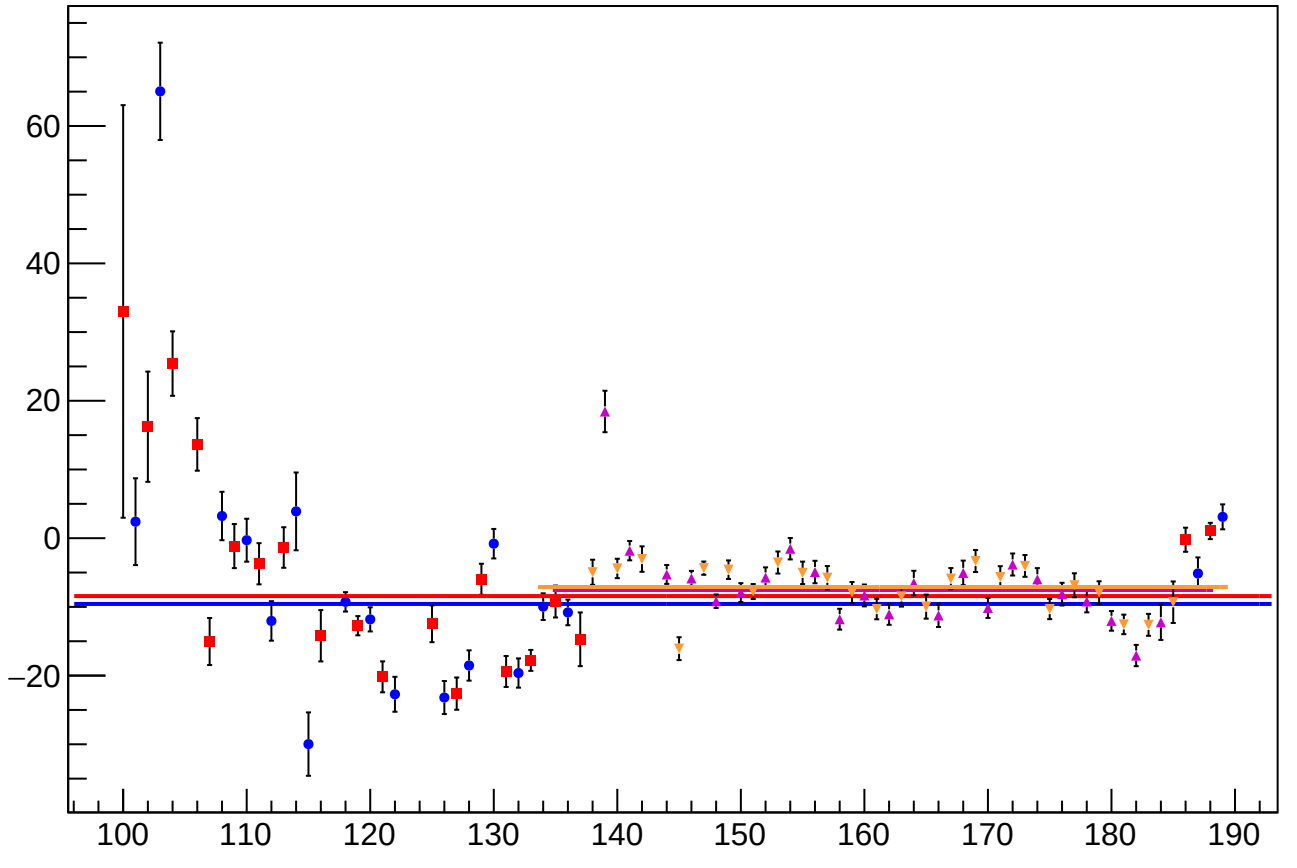
Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

Right: -27.886+/-0.341 χ^2/NDF: 1536.0/37

In: -30.401+/-0.322 χ^2/NDF:840.0/40

Out: -30.950+/-0.303 χ^2/NDF:1787.7/43

All: -30.692+/-0.221 χ^2/NDF: 2629.2/84



Right In: -9.572+/-0.554 χ^2/NDF: 331.2/17

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -8.425+/-0.516 χ^2/NDF: 342.8/19

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

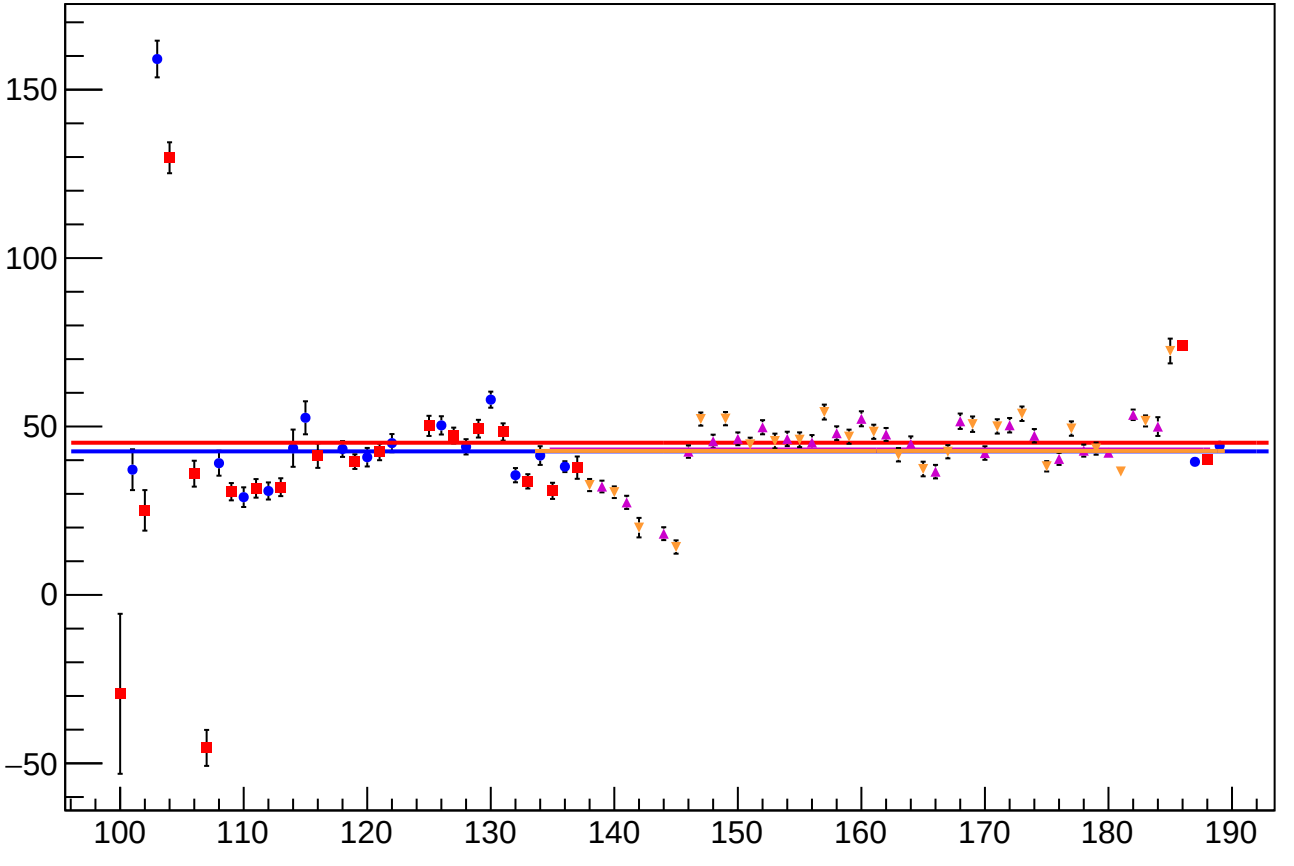
Right: -8.959+/-0.378 χ^2/NDF: 676.2/37

In: -8.042+/-0.274 χ^2/NDF:541.0/40

Out: -7.457+/-0.265 χ^2/NDF:457.0/43

All: -7.740+/-0.191 χ^2/NDF: 1000.4/84

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.615+/-0.539 χ^2/NDF: 585.3/17

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 45.182+/-0.444 χ^2/NDF: 1530.6/19

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

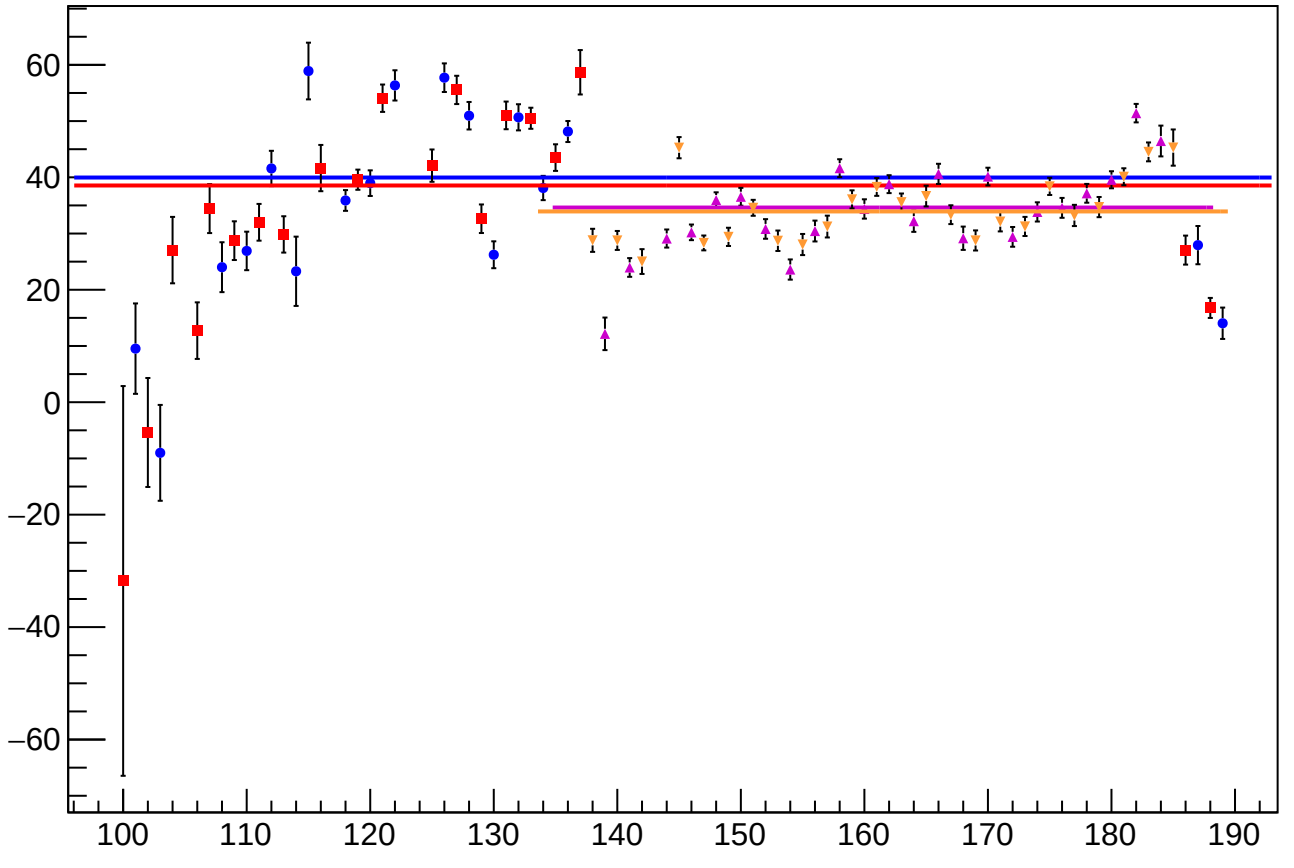
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 44.144+/-0.343 χ^2/NDF: 2129.4/37

In: 42.968+/-0.325 χ^2/NDF:999.0/40

Out: 43.847+/-0.298 χ^2/NDF:2178.6/43

All: 43.444+/-0.220 χ^2/NDF: 3181.6/84



Right In: 39.962+/-0.652 χ^2/NDF: 380.6/17

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 38.546+/-0.628 χ^2/NDF: 435.4/19

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

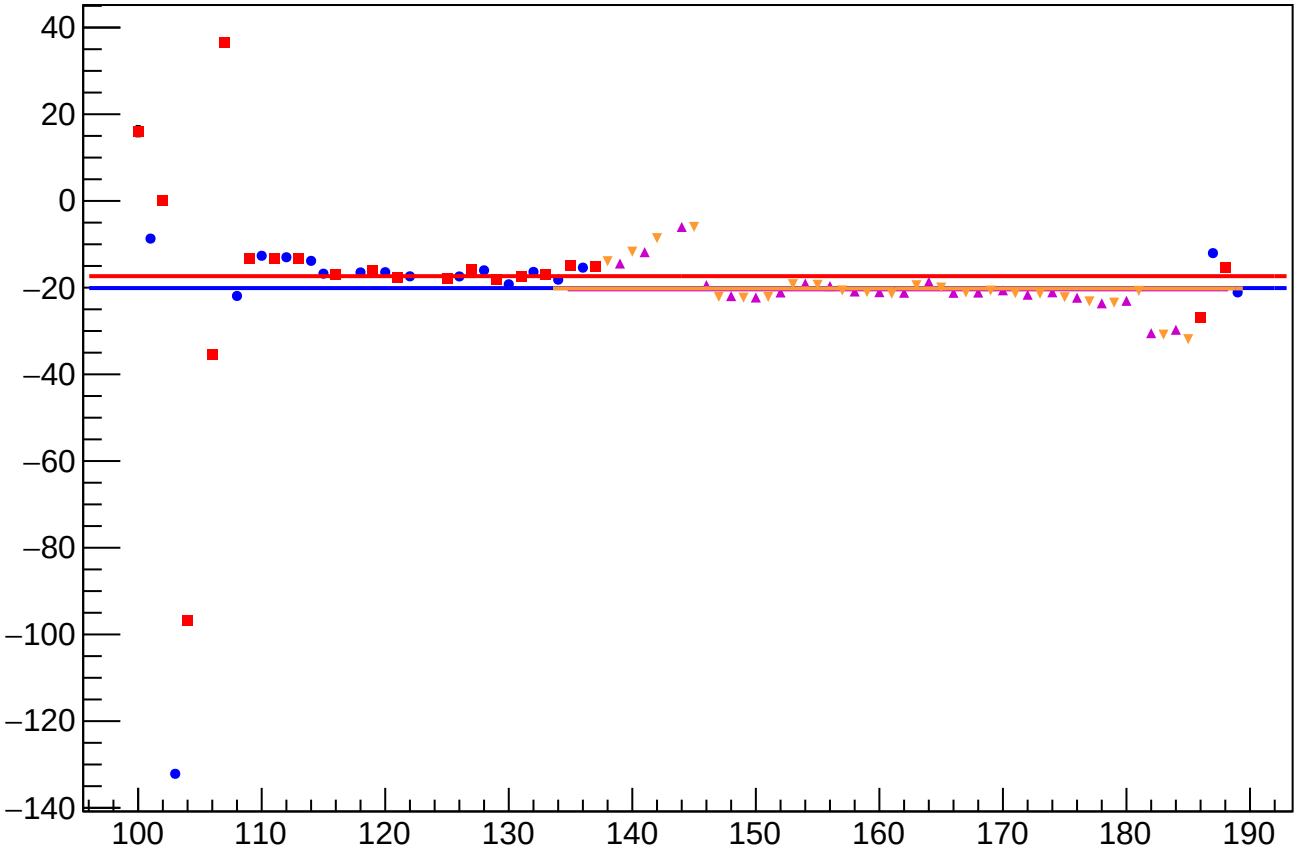
Right: 39.227+/-0.452 χ^2/NDF: 818.4/37

In: 35.851+/-0.313 χ^2/NDF:808.3/40

Out: 35.028+/-0.306 χ^2/NDF:693.2/43

All: 35.431+/-0.219 χ^2/NDF: 1505.0/84

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.102+/-0.039 χ^2/NDF: 247571.0/17

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -17.353+/-0.039 χ^2/NDF: 207709.5/19

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

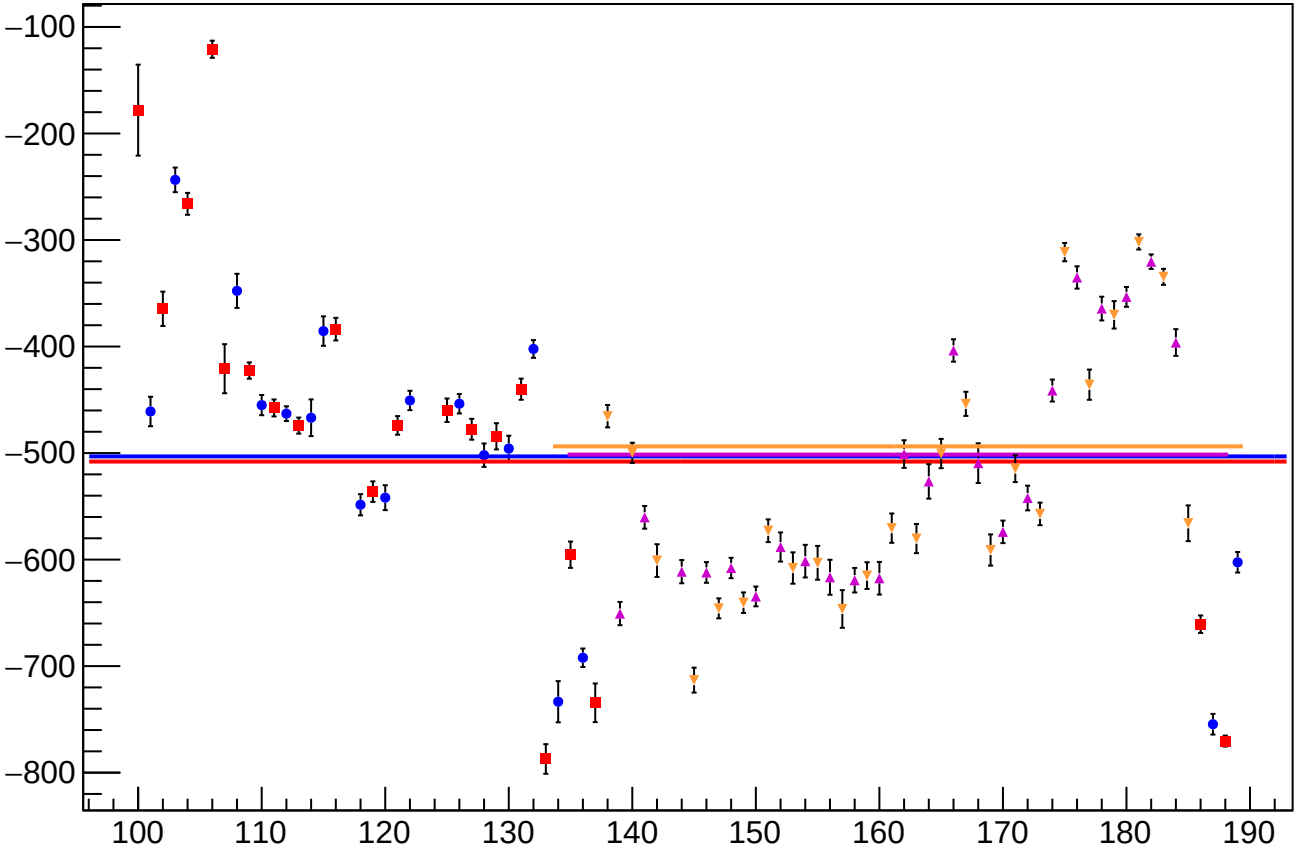
Right: -18.726+/-0.028 χ^2/NDF: 457757.0/37

In: -20.355+/-0.015 χ^2/NDF:328774.1/40

Out: -19.778+/-0.015 χ^2/NDF:312143.6/43

All: -20.066+/-0.010 χ^2/NDF: 641694.6/84

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -503.148+/-2.457 χ^2/NDF: 2384.2/17

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -507.962+/-2.146 χ^2/NDF: 6981.8/19

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

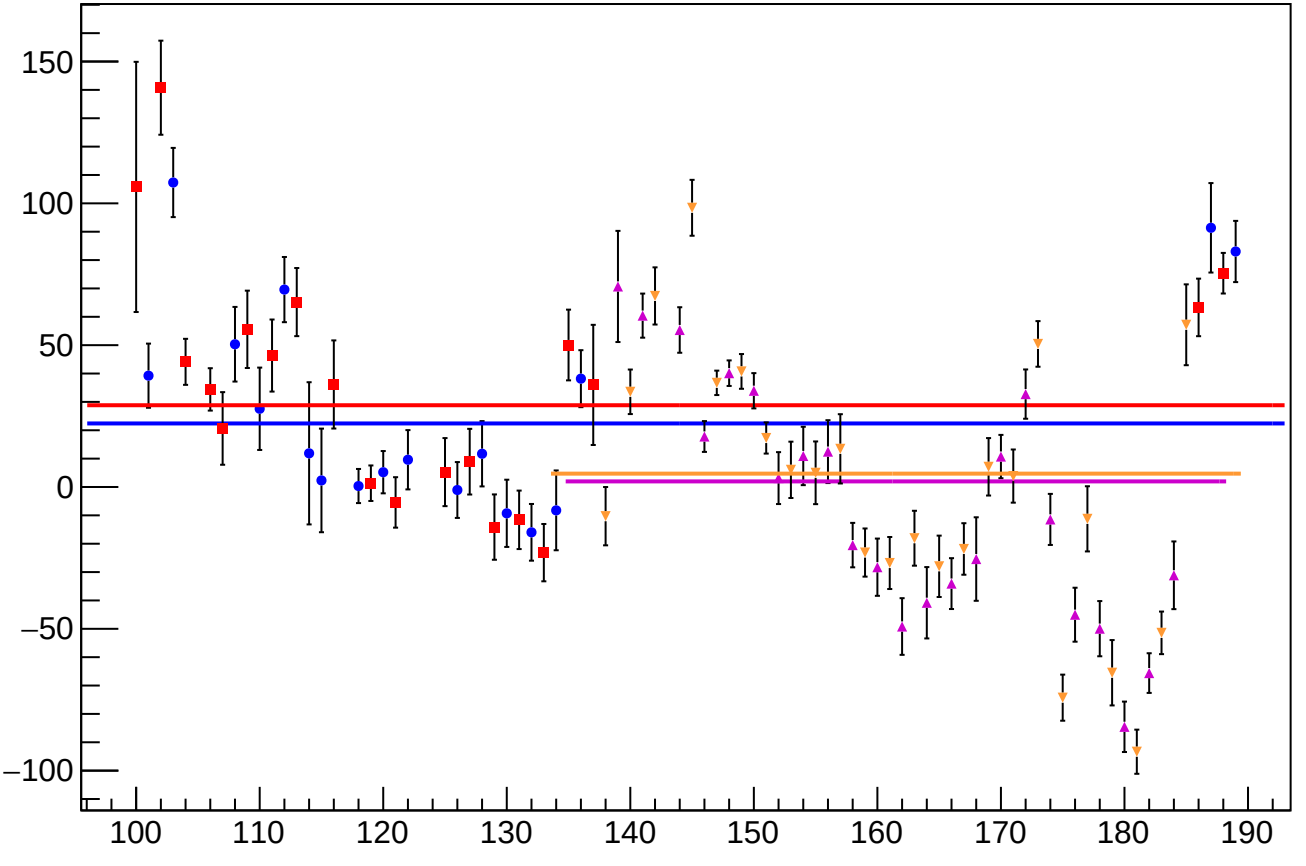
Right: -505.879+/-1.617 χ^2/NDF: 9368.2/37

In: -502.232+/-1.682 χ^2/NDF:5073.8/40

Out: -501.318+/-1.568 χ^2/NDF:10152.3/43

All: -501.743+/-1.147 χ^2/NDF: 15226.3/84

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.401+/-2.544 χ^2/NDF: 180.1/17

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 28.823+/-2.336 χ^2/NDF: 221.8/19

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

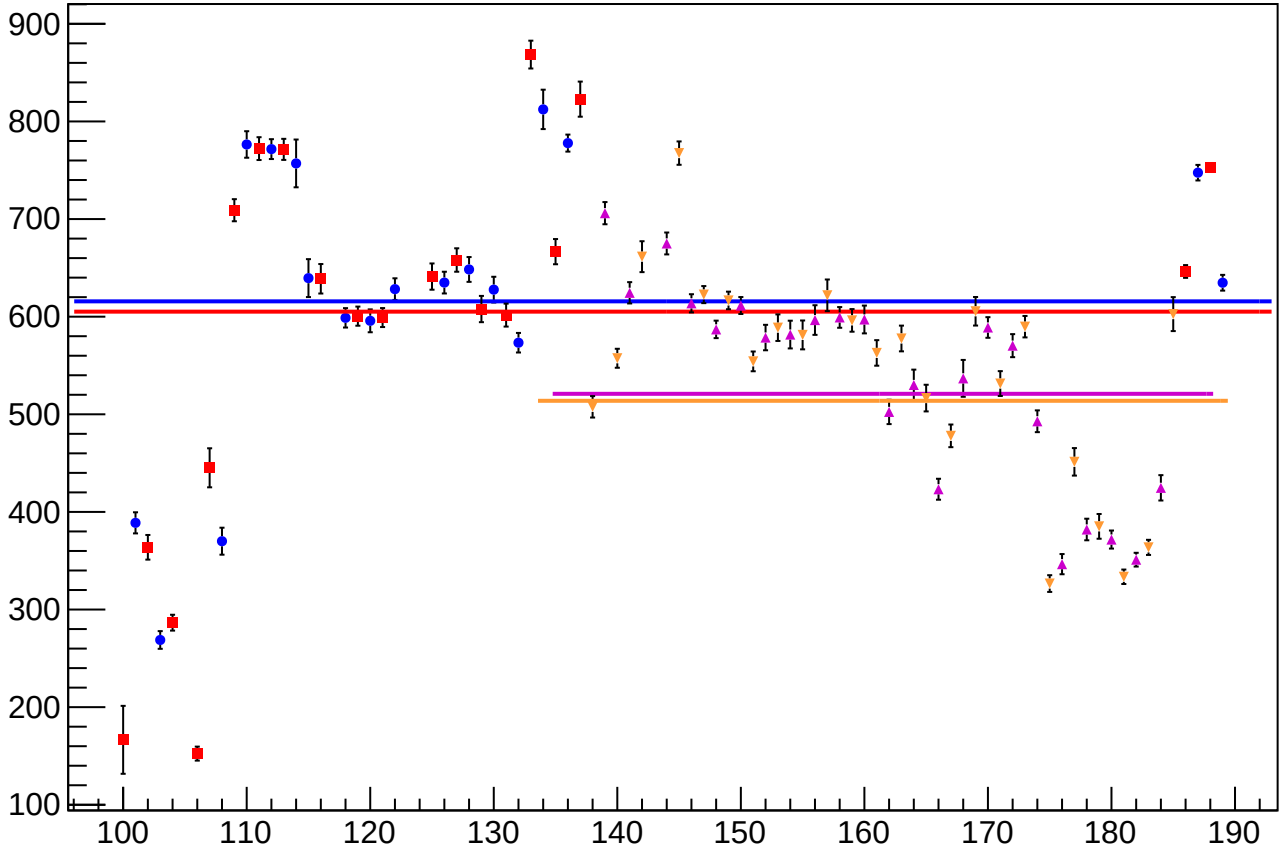
Right: 25.885+/-1.721 χ^2/NDF: 405.4/37

In: 8.390+/-1.426 χ^2/NDF:785.2/40

Out: 13.029+/-1.372 χ^2/NDF:971.9/43

All: 10.799+/-0.989 χ^2/NDF: 1762.6/84

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 615.707+/-2.603 χ^2/NDF: 3386.5/17

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 605.161+/-2.161 χ^2/NDF: 8491.6/19

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

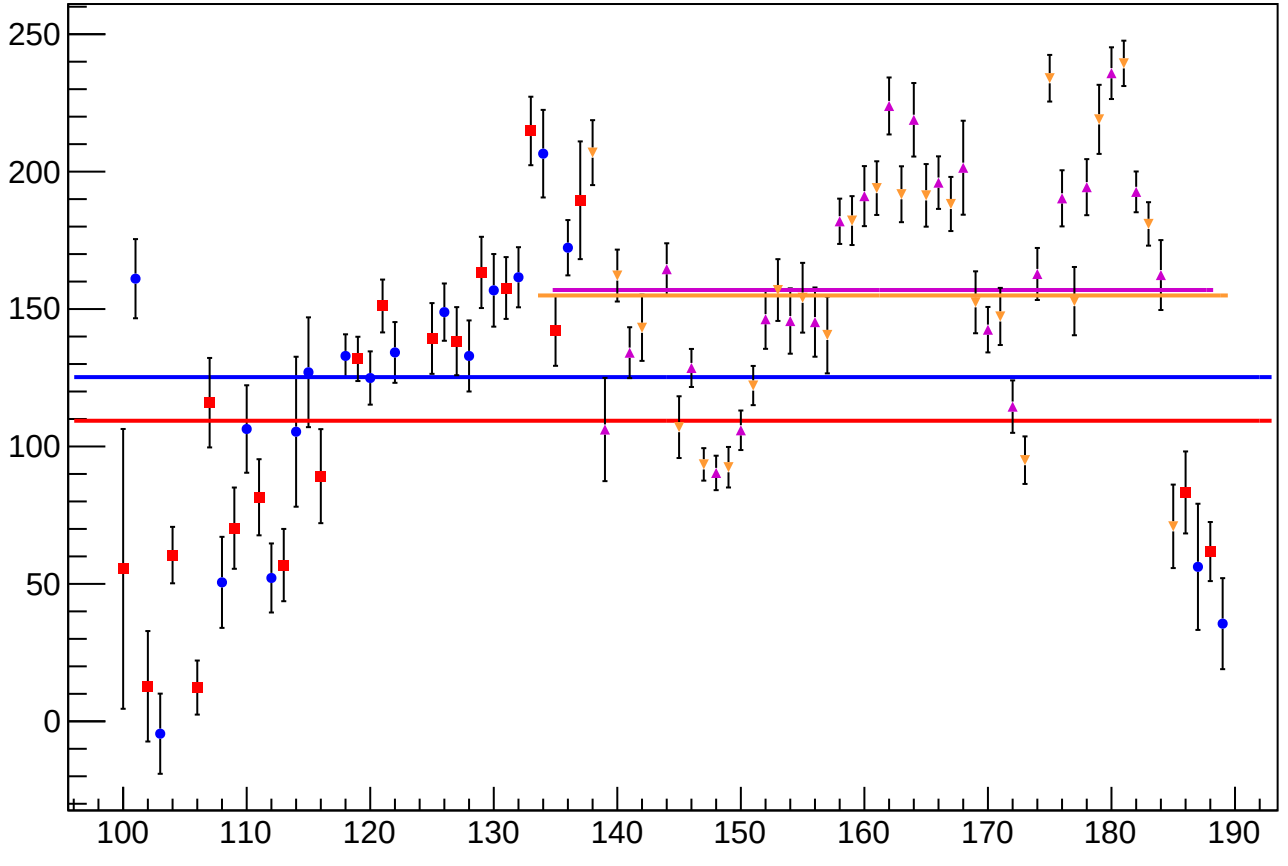
Right: 609.464+/-1.663 χ^2/NDF: 11887.9/37

In: 562.179+/-1.716 χ^2/NDF:6577.6/40

Out: 561.877+/-1.567 χ^2/NDF:12073.5/43

All: 562.015+/-1.157 χ^2/NDF: 18651.2/84

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 125.237+/-3.003 χ^2/NDF: 251.6/17

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 109.360+/-2.817 χ^2/NDF: 361.1/19

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

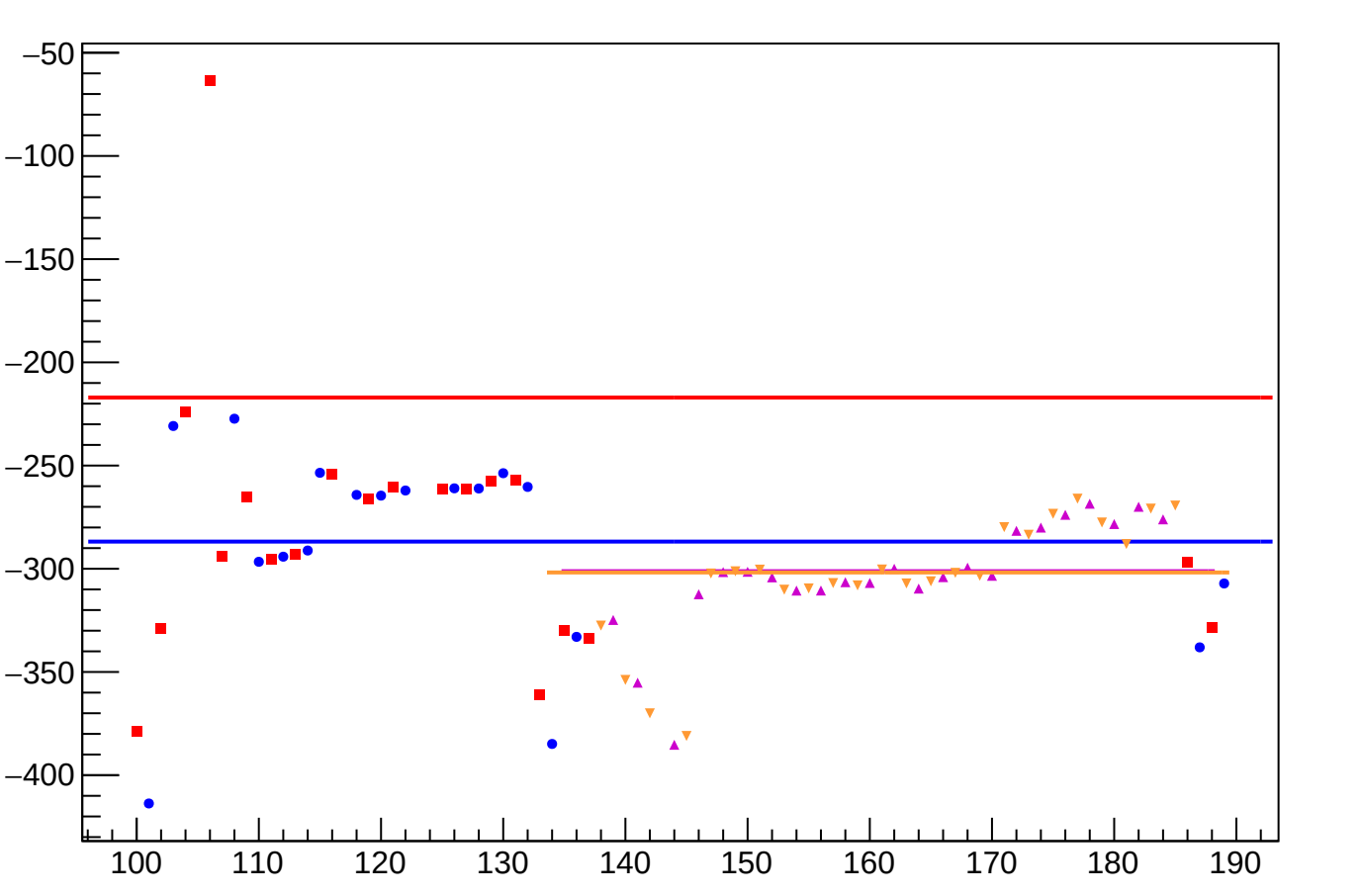
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 116.791+/-2.054 χ^2/NDF: 627.6/37

In: 147.388+/-1.648 χ^2/NDF:772.7/40

Out: 140.143+/-1.605 χ^2/NDF:1146.9/43

All: 143.670+/-1.150 χ^2/NDF: 1929.6/84



Right In: -286.834+/-0.171 χ^2/NDF: 106806.1/17

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -217.037+/-0.143 χ^2/NDF: 584297.6/19

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

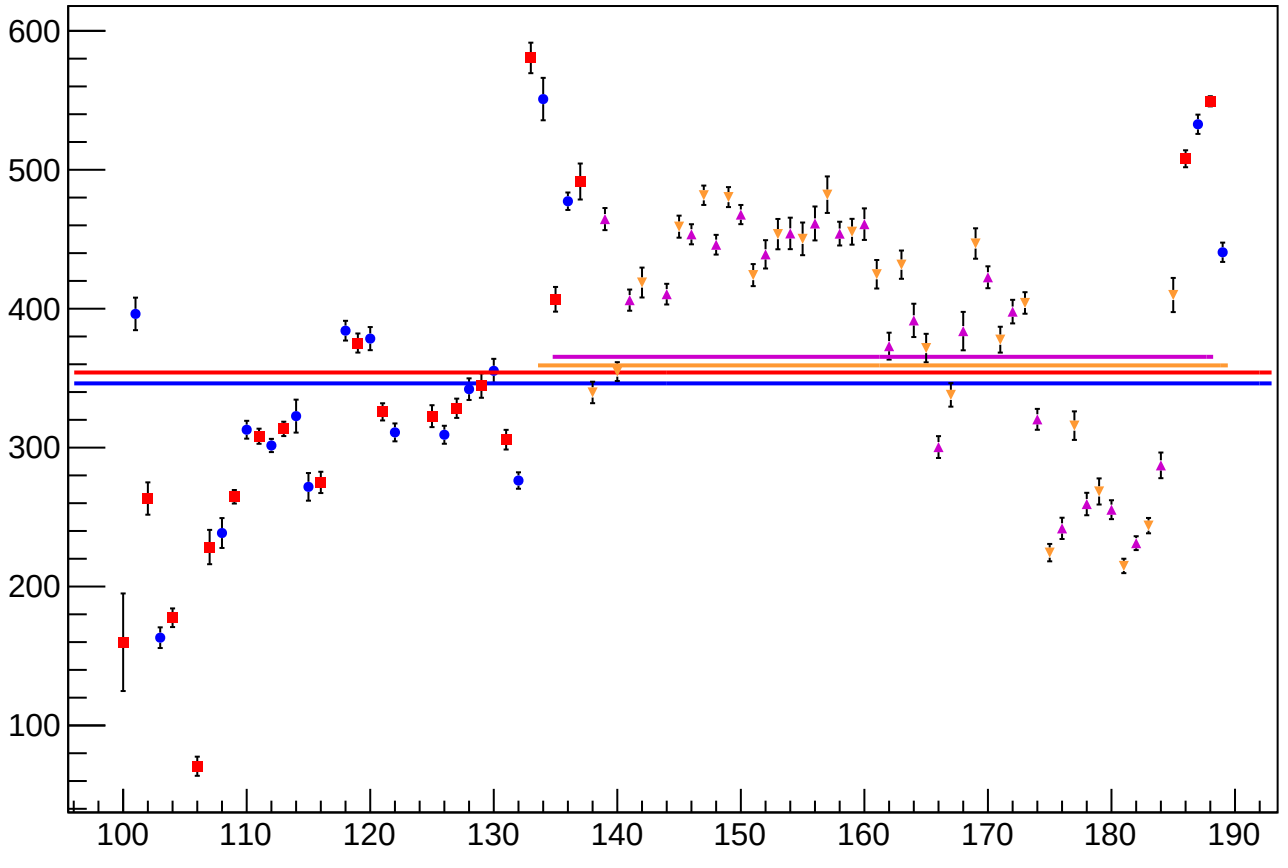
Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

Right: -245.605+/-0.110 χ^2/NDF: 789017.3/37

In: -298.076+/-0.080 χ^2/NDF:187616.9/40

Out: -277.366+/-0.077 χ^2/NDF:922078.0/43

All: -287.311+/-0.055 χ^2/NDF: 1144792.7/84



Right In: 346.236+/-1.737 χ^2/NDF: 2667.7/17

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 354.078+/-1.517 χ^2/NDF: 7335.5/19

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

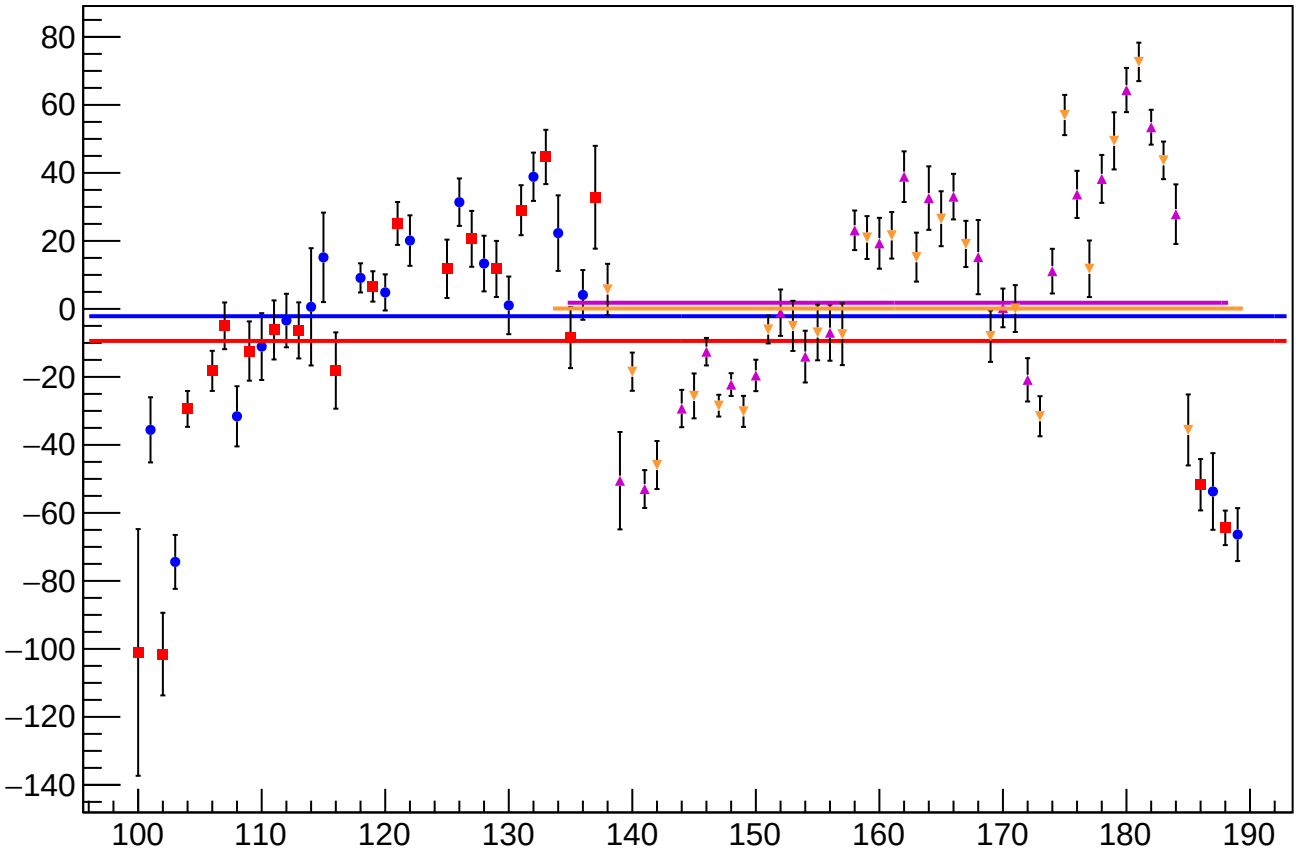
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

Right: 350.683+/-1.143 χ^2/NDF: 10014.8/37

In: 356.046+/-1.212 χ^2/NDF:5469.4/40

Out: 356.372+/-1.126 χ^2/NDF:10528.5/43

All: 356.221+/-0.825 χ^2/NDF: 15998.0/84



Right In: -2.151+/-1.815 χ^2/NDF: 281.3/17

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -9.415+/-1.648 χ^2/NDF: 380.7/19

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

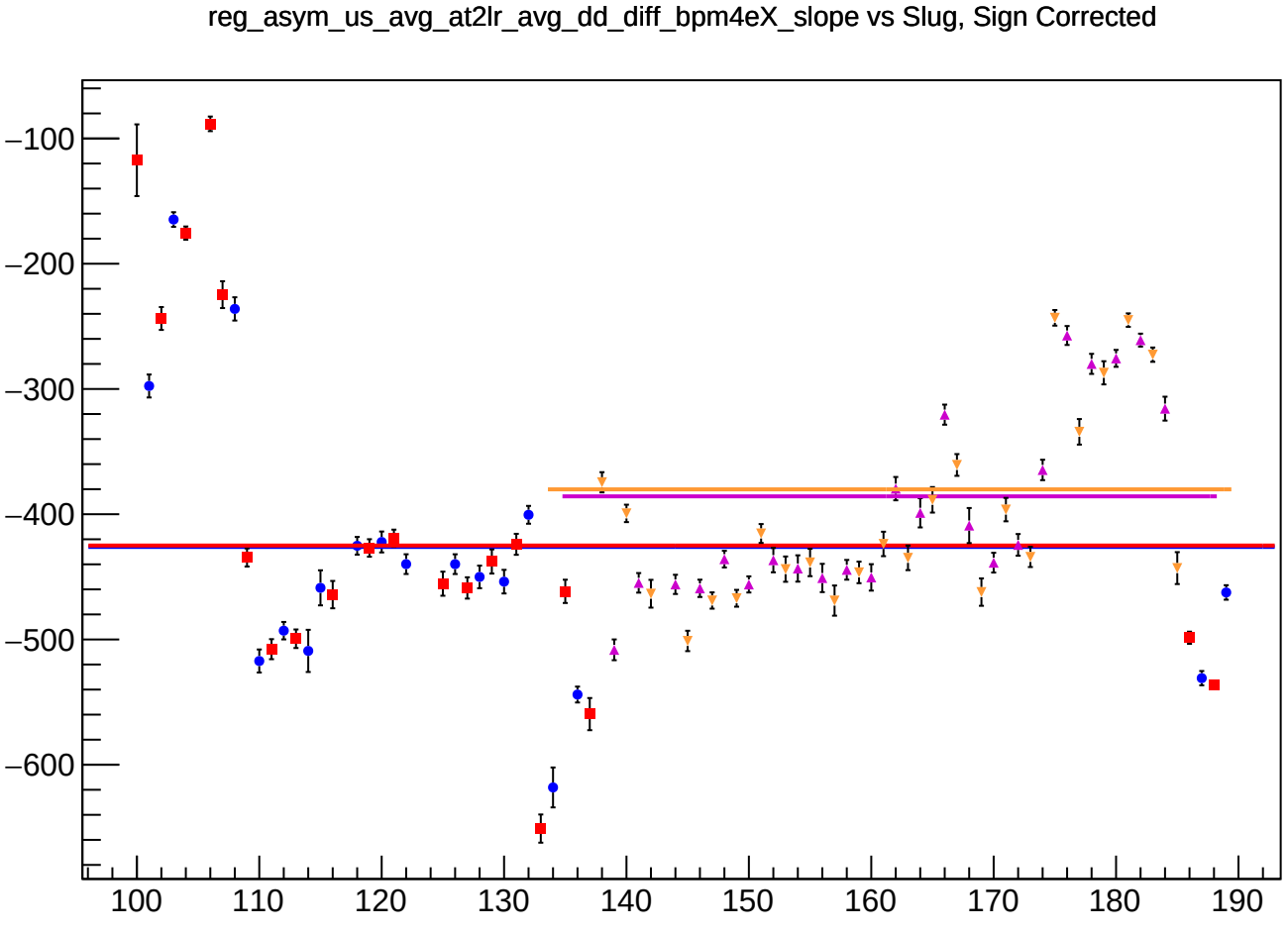
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -6.131+/-1.220 χ^2/NDF: 670.7/37

In: 0.513+/-1.039 χ^2/NDF:861.5/40

Out: -3.354+/-0.994 χ^2/NDF:1039.8/43

All: -1.505+/-0.718 χ^2/NDF: 1908.6/84



Right In: -426.105+/-1.847 χ^2/NDF: 3737.9/17

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -424.998+/-1.536 χ^2/NDF: 8871.2/19

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

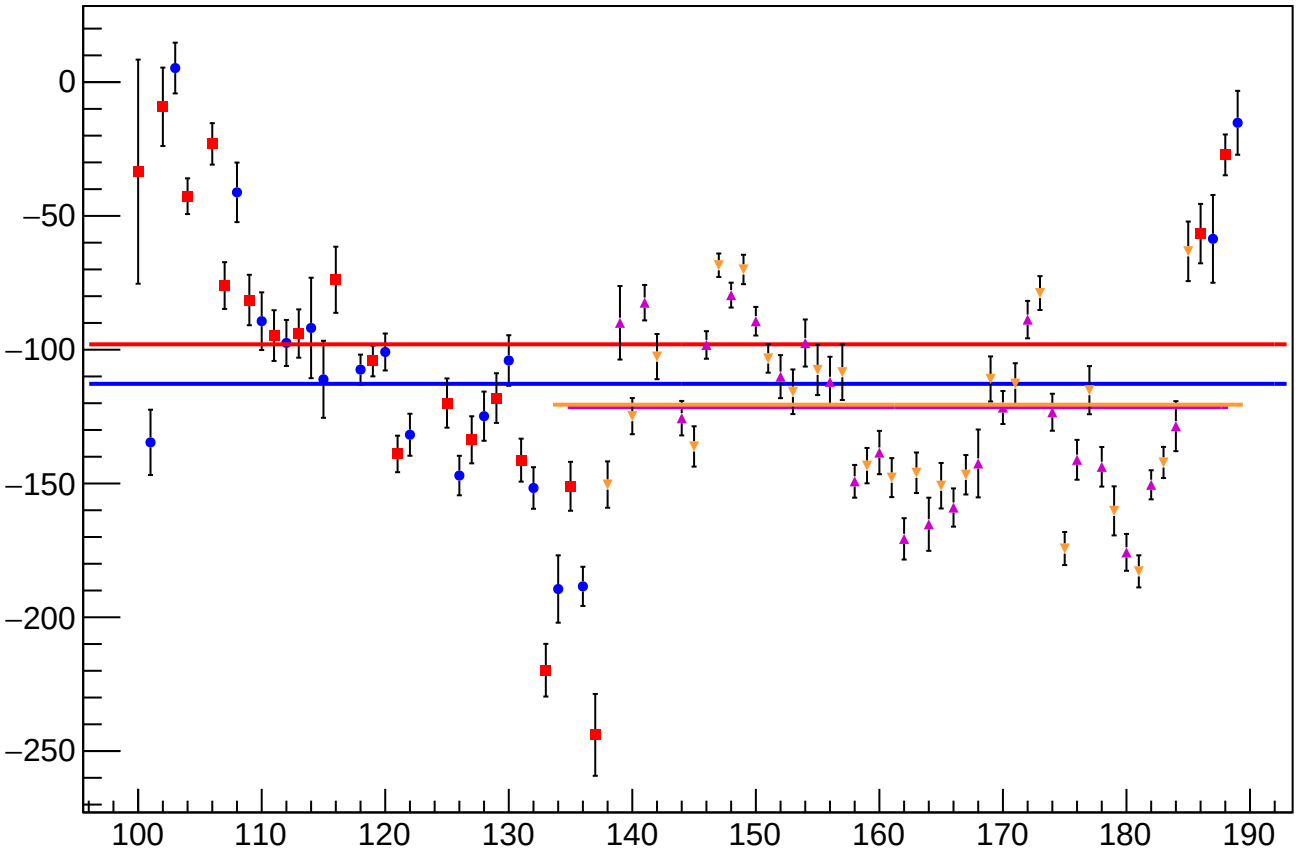
Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

Right: -425.451+/-1.181 χ^2/NDF: 12609.3/37

In: -403.969+/-1.242 χ^2/NDF:6361.1/40

Out: -404.433+/-1.131 χ^2/NDF:11880.6/43

All: -404.223+/-0.836 χ^2/NDF: 18241.8/84



Right In: -112.758+/-2.140 χ^2/NDF: 489.2/17

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -97.989+/-1.984 χ^2/NDF: 685.7/19

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

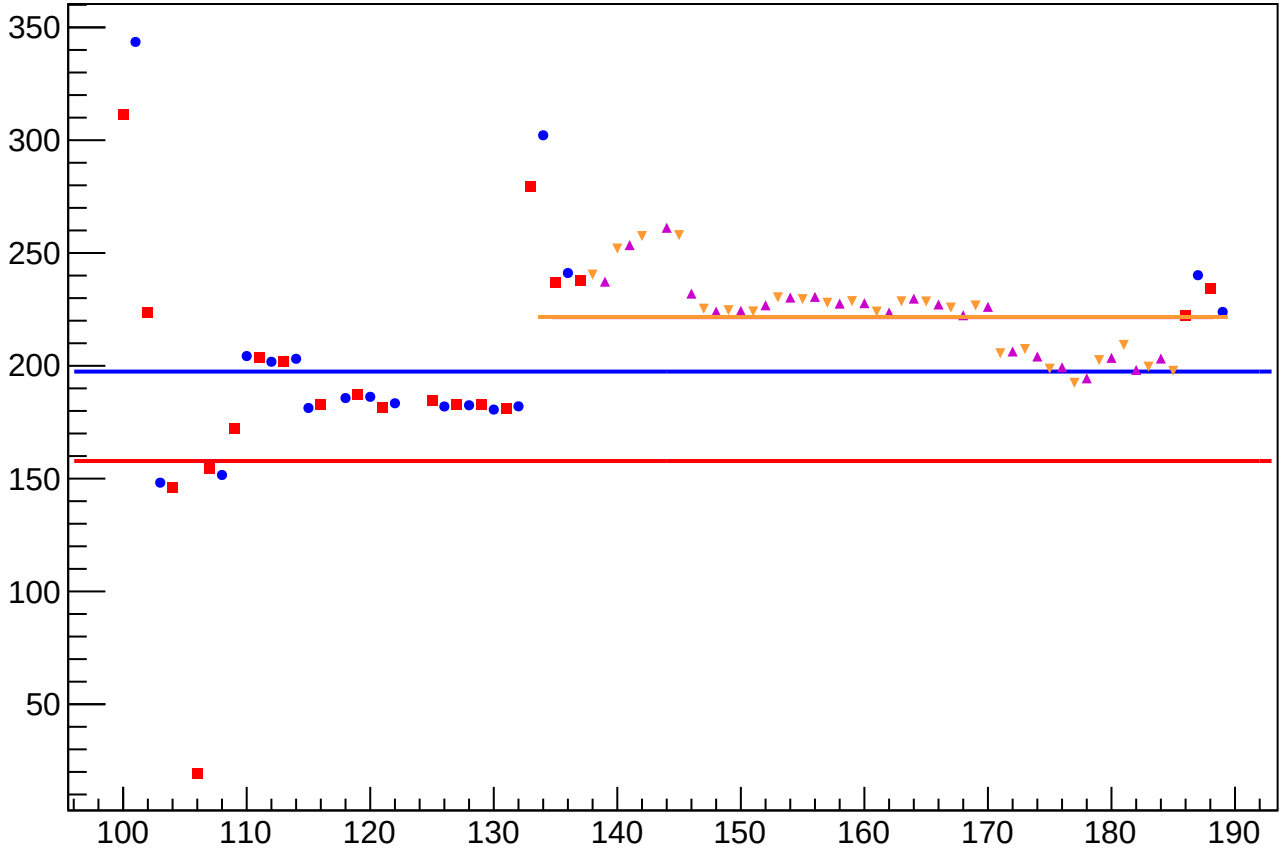
Right: -104.816+/-1.455 χ^2/NDF: 1200.6/37

In: -118.717+/-1.200 χ^2/NDF:933.2/40

Out: -112.793+/-1.163 χ^2/NDF:1382.1/43

All: -115.662+/-0.835 χ^2/NDF: 2327.8/84

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 197.451+/-0.121 χ^2/NDF: 181665.0/17

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 157.803+/-0.105 χ^2/NDF: 545253.3/19

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

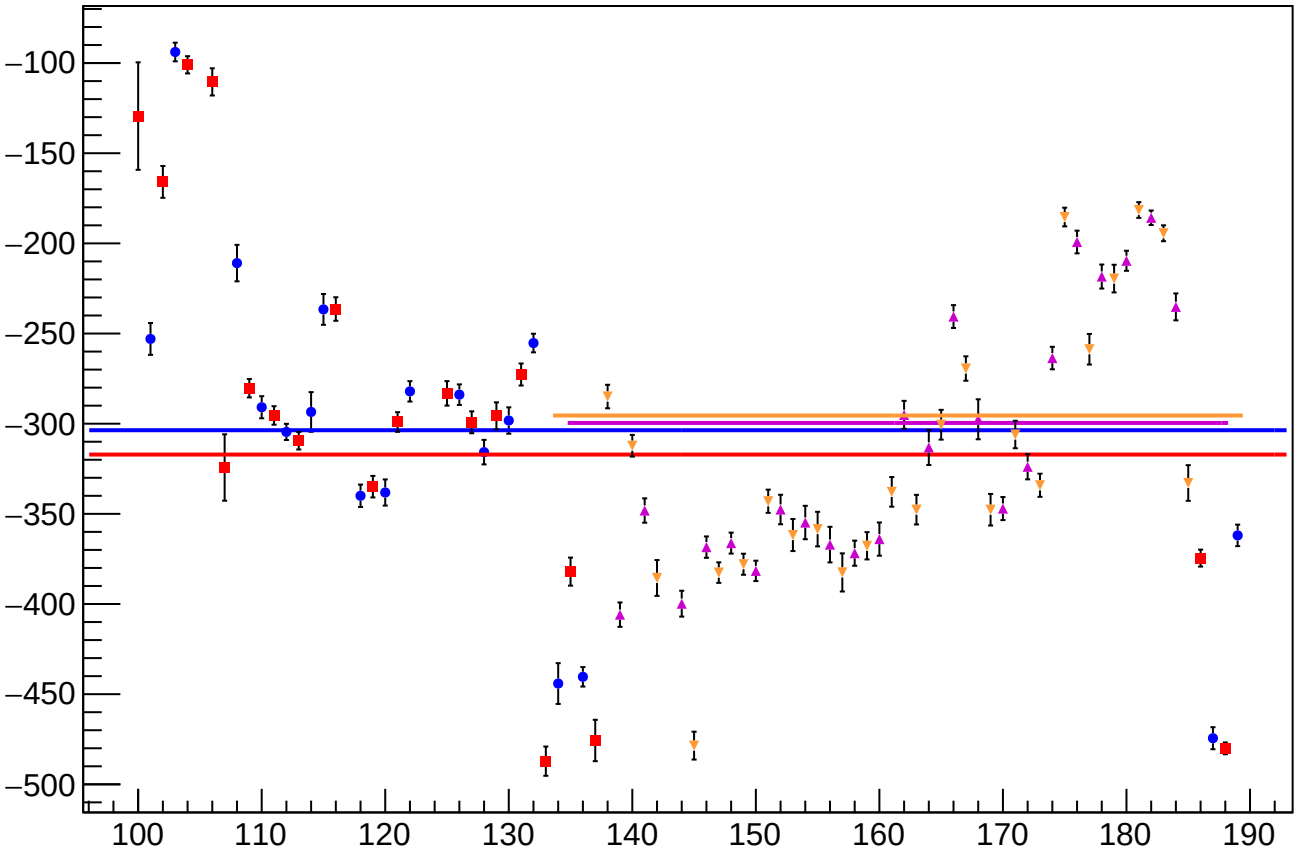
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 174.972+/-0.079 χ^2/NDF: 788203.3/37

In: 215.986+/-0.058 χ^2/NDF:274530.4/40

Out: 203.401+/-0.056 χ^2/NDF:874576.4/43

All: 209.508+/-0.040 χ^2/NDF: 1173313.2/84



Right In: -303.625+/-1.507 χ^2/NDF: 3675.0/17

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -317.116+/-1.344 χ^2/NDF: 6787.7/19

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

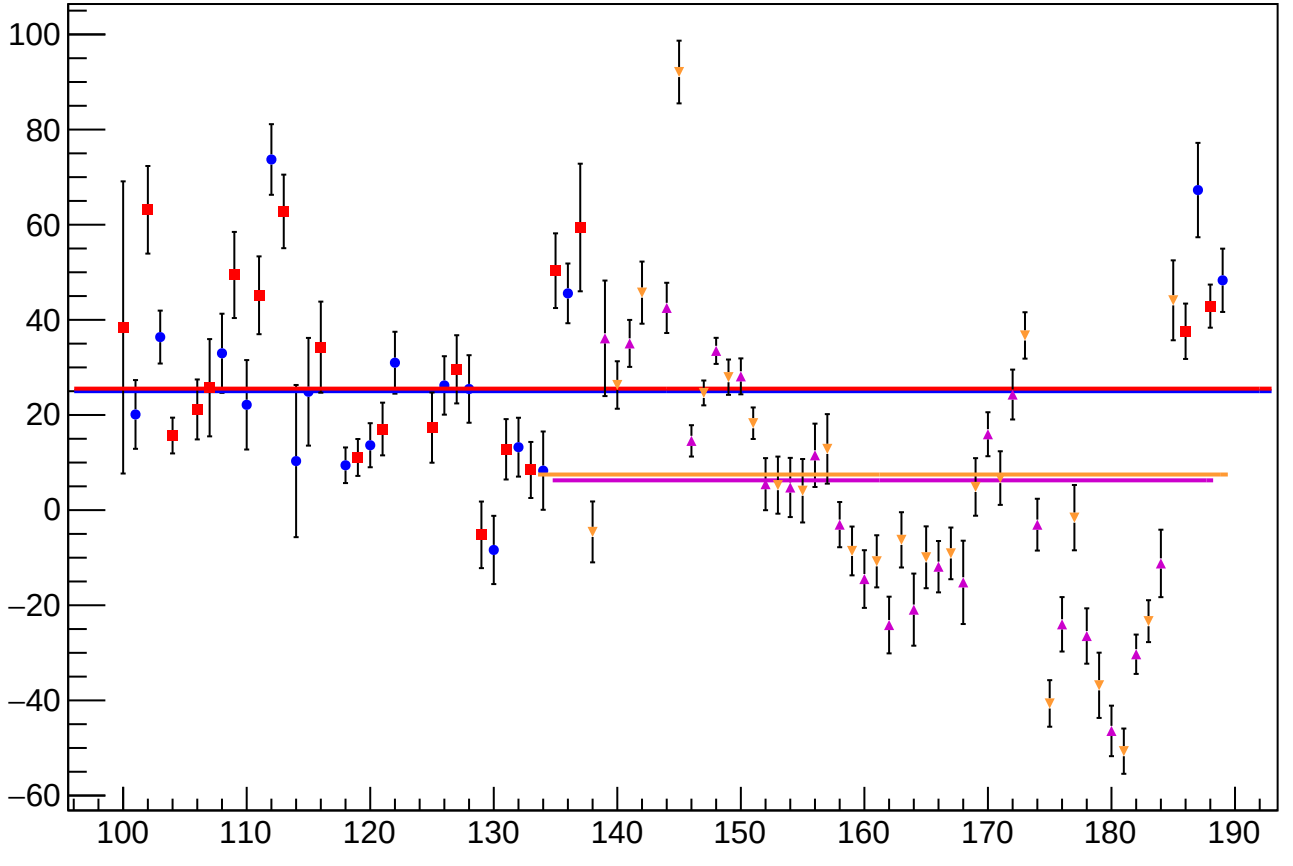
Right: -311.141+/-1.003 χ^2/NDF: 10507.3/37

In: -301.453+/-1.025 χ^2/NDF:6650.5/40

Out: -306.676+/-0.967 χ^2/NDF:10259.2/43

All: -304.215+/-0.703 χ^2/NDF: 16923.4/84

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.004+/-1.555 χ^2/NDF: 144.3/17

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 25.539+/-1.437 χ^2/NDF: 145.8/19

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

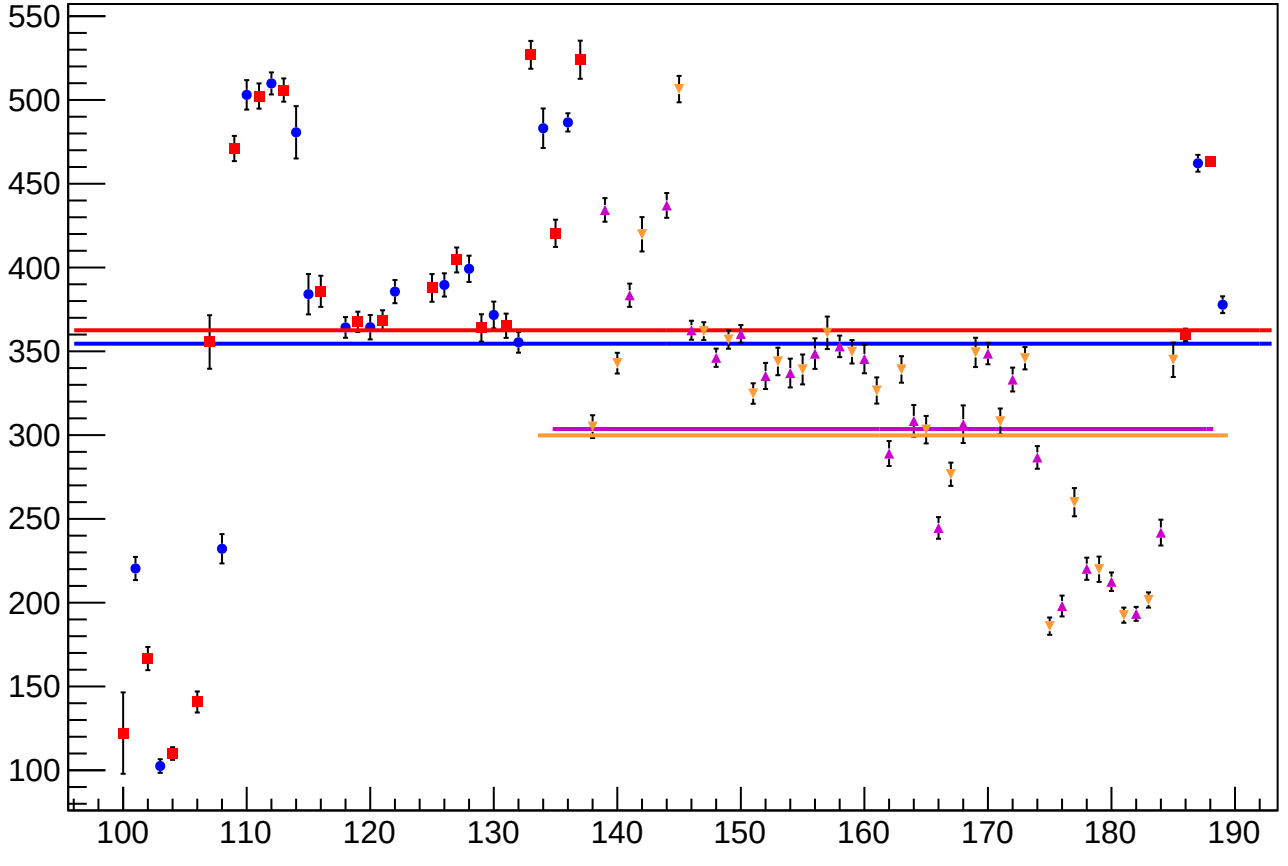
Right: 25.293+/-1.056 χ^2/NDF: 290.2/37

In: 12.089+/-0.867 χ^2/NDF:803.8/40

Out: 13.607+/-0.837 χ^2/NDF:988.6/43

All: 12.875+/-0.602 χ^2/NDF: 1793.9/84

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 354.548+/-1.568 χ^2/NDF: 6607.8/17

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 362.558+/-1.332 χ^2/NDF: 9770.4/19

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

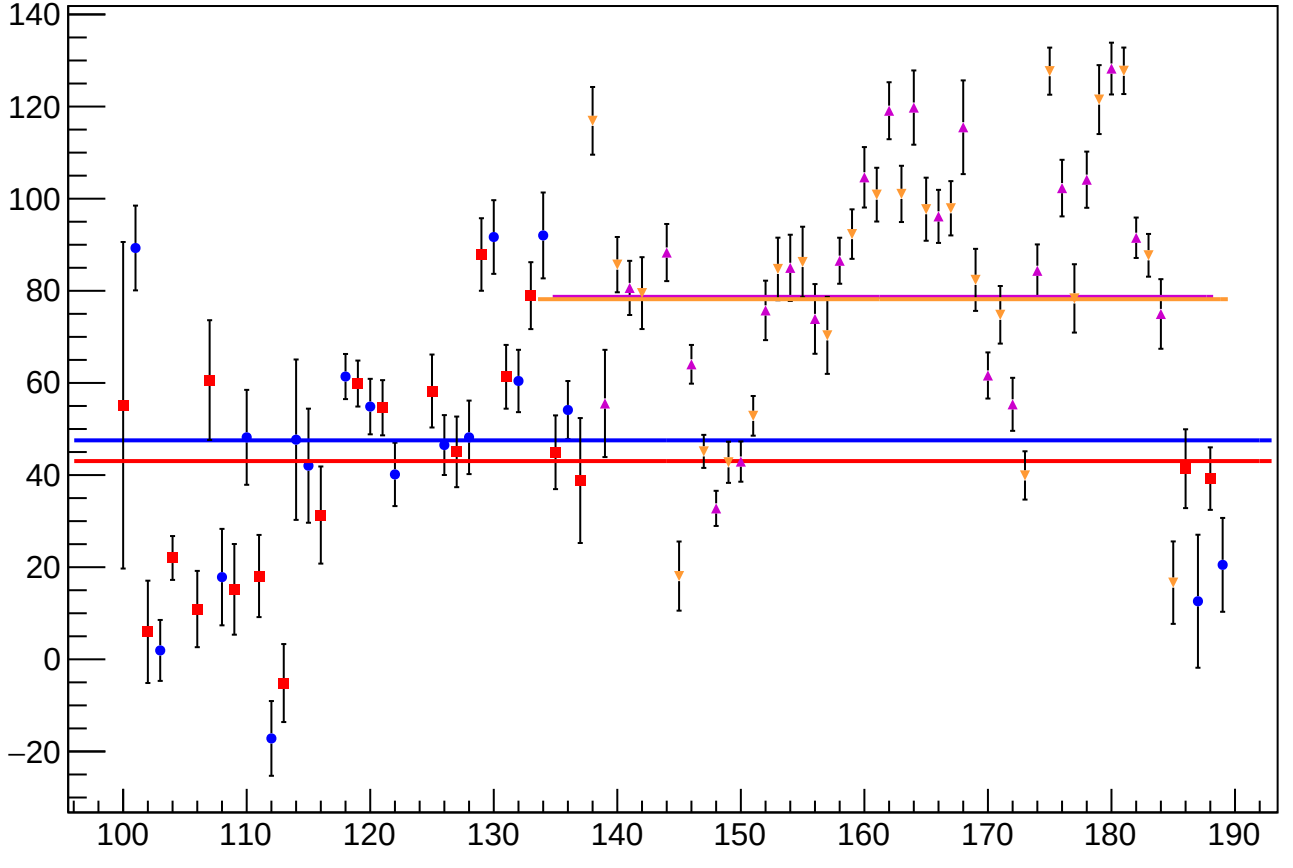
Right: 359.199+/-1.015 χ^2/NDF: 16393.4/37

In: 325.916+/-1.037 χ^2/NDF:10073.2/40

Out: 332.318+/-0.959 χ^2/NDF:13915.3/43

All: 329.368+/-0.704 χ^2/NDF: 24009.0/84

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 47.537+/-1.836 χ^2/NDF: 221.5/17

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 43.038+/-1.734 χ^2/NDF: 180.4/19

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

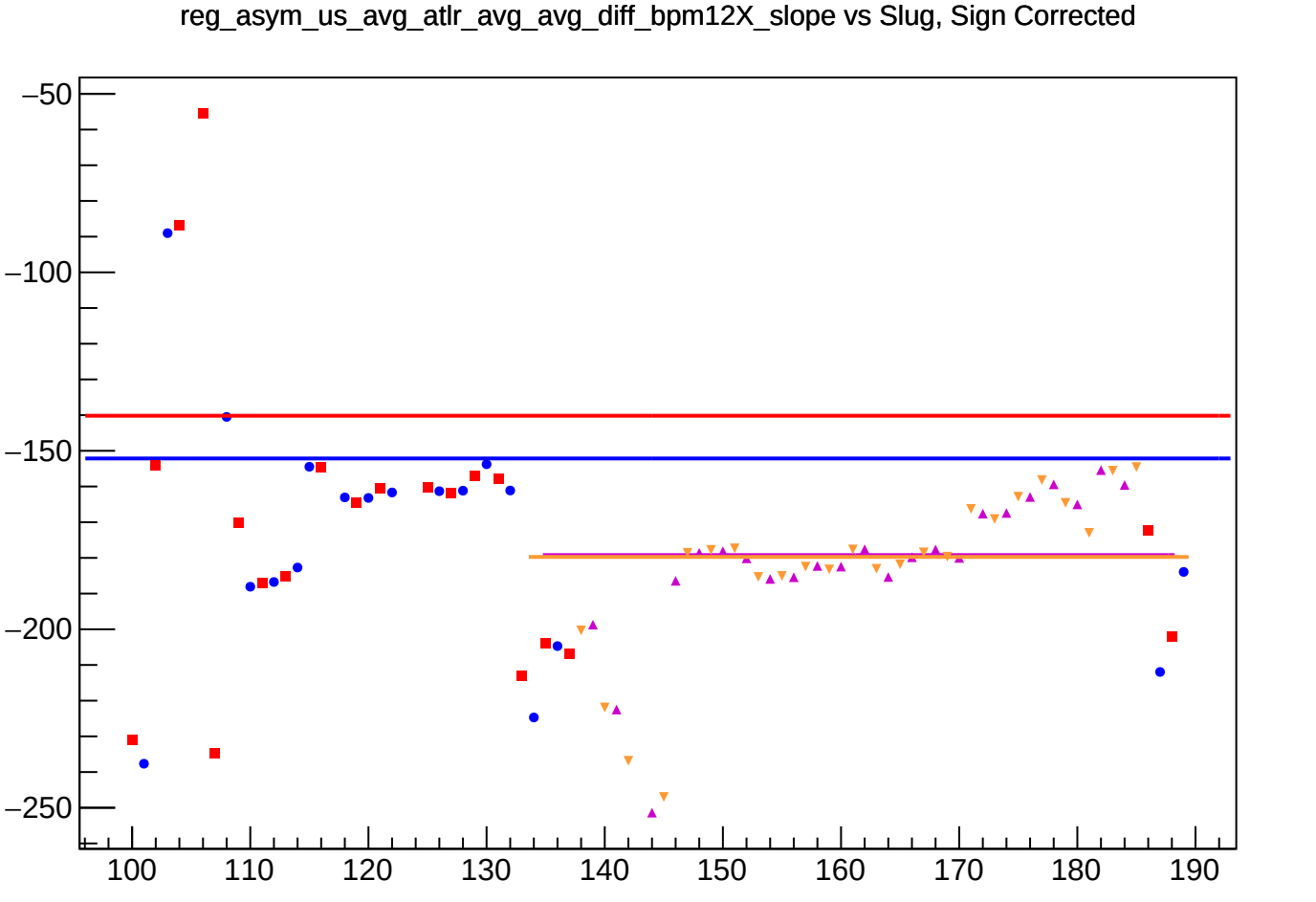
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 45.159+/-1.260 χ^2/NDF: 405.0/37

In: 69.421+/-1.001 χ^2/NDF:912.3/40

Out: 66.995+/-0.978 χ^2/NDF:1123.9/43

All: 68.179+/-0.700 χ^2/NDF: 2039.2/84



Right In: -152.146+/-0.098 χ^2/NDF: 267304.5/17

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -140.181+/-0.092 χ^2/NDF: 349272.0/19

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

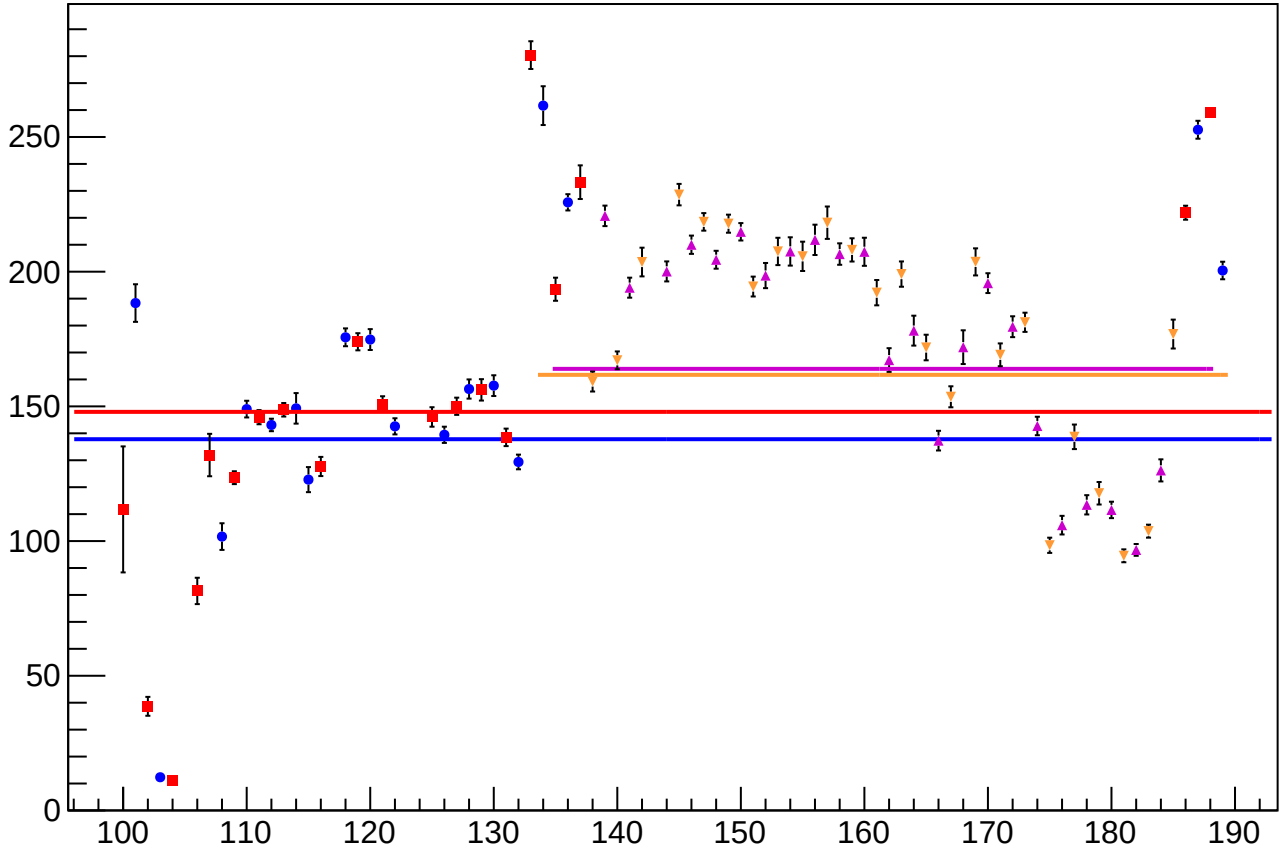
Right: -145.830+/-0.067 χ^2/NDF: 624481.4/37

In: -172.799+/-0.048 χ^2/NDF:439309.5/40

Out: -169.402+/-0.047 χ^2/NDF:616647.7/43

All: -171.088+/-0.034 χ^2/NDF: 1058521.9/84

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 137.813+/-0.766 χ^2/NDF: 7901.2/17

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 147.963+/-0.684 χ^2/NDF: 12768.5/19

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

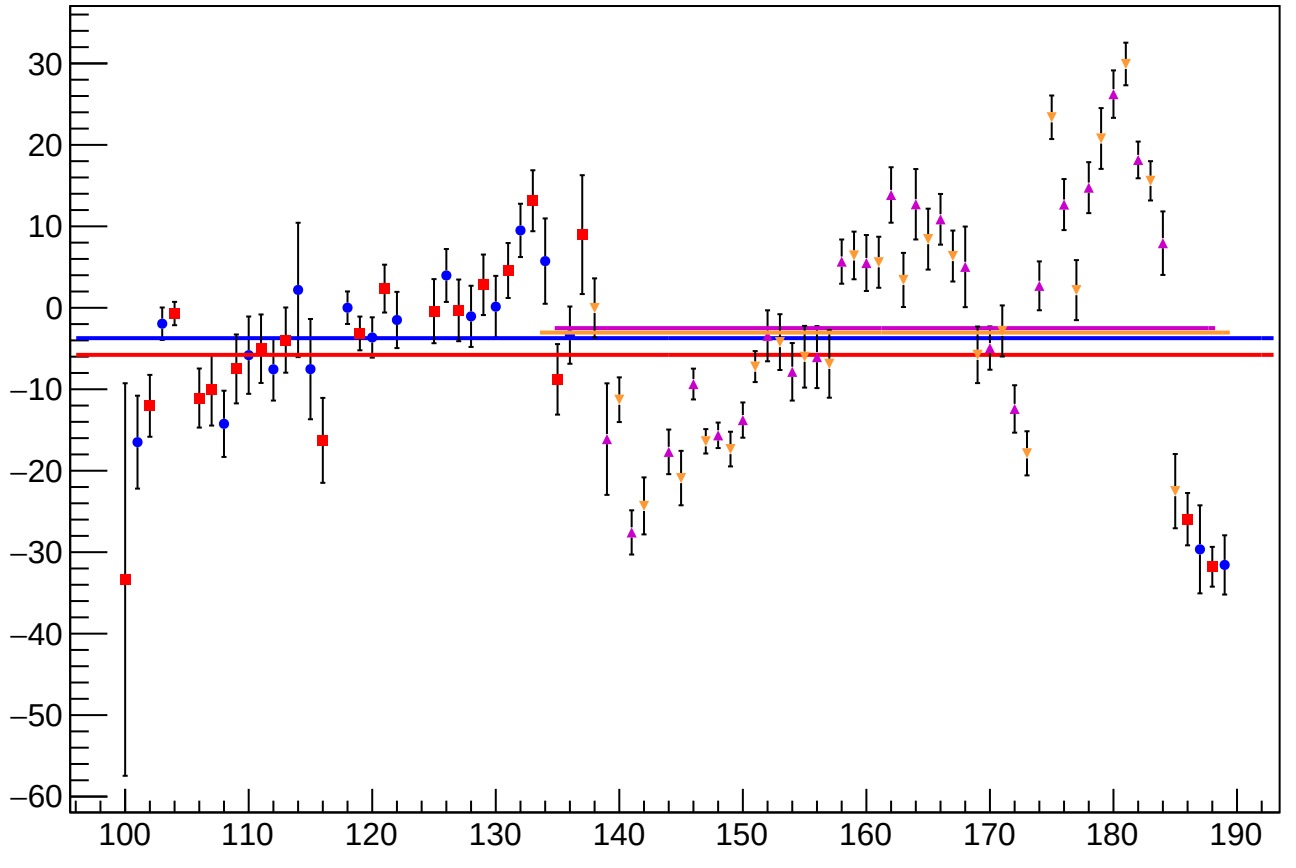
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 143.460+/-0.510 χ^2/NDF: 20767.6/37

In: 150.640+/-0.546 χ^2/NDF:11808.2/40

Out: 153.969+/-0.513 χ^2/NDF:16532.4/43

All: 152.408+/-0.374 χ^2/NDF: 28360.3/84



Right In: -3.727+/-0.803 χ^2/NDF: 126.9/17

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -5.776+/-0.716 χ^2/NDF: 235.2/19

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

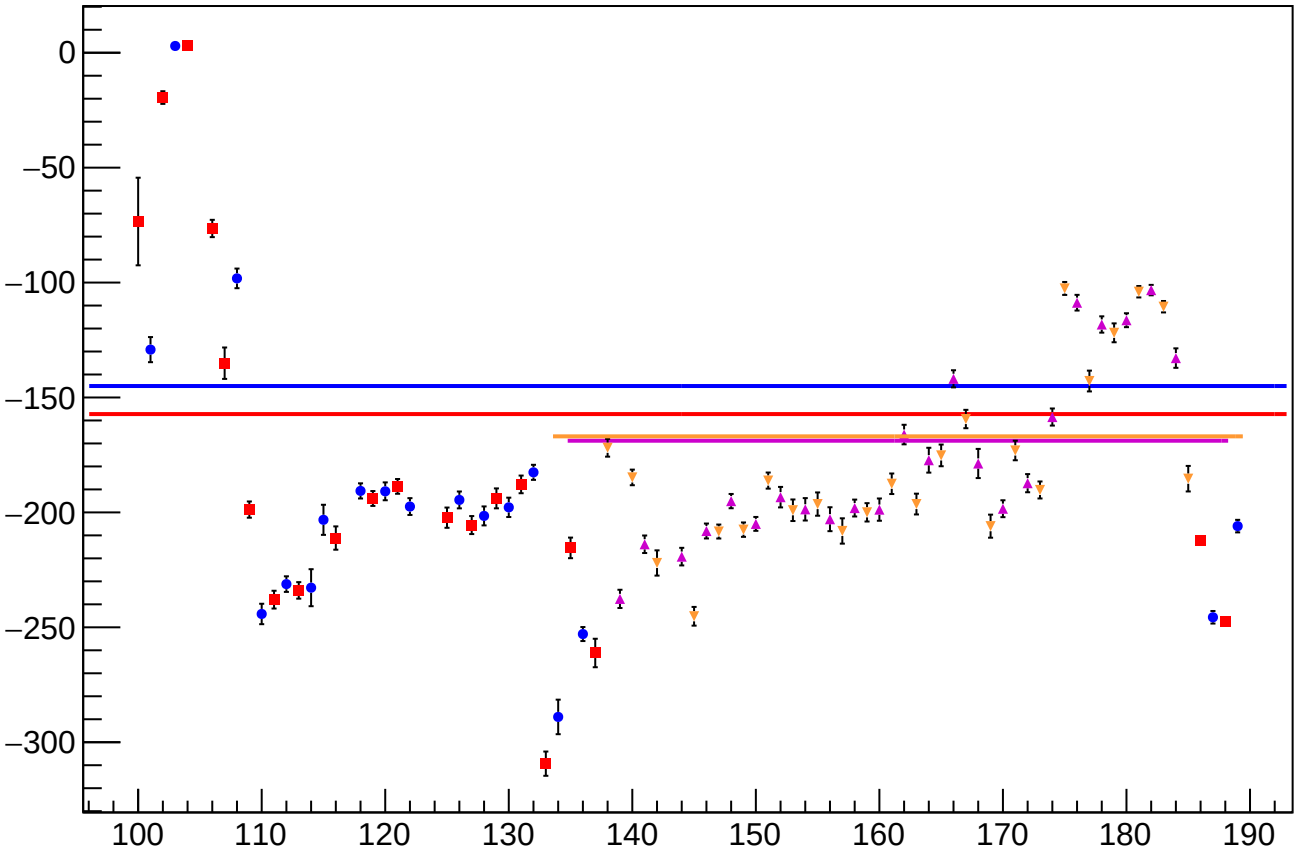
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -4.868+/-0.534 χ^2/NDF: 365.8/37

In: -2.922+/-0.474 χ^2/NDF:691.3/40

Out: -4.119+/-0.450 χ^2/NDF:898.6/43

All: -3.551+/-0.326 χ^2/NDF: 1593.3/84



Right In: -145.014+/-0.775 χ^2/NDF: 16879.2/17

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -157.218+/-0.667 χ^2/NDF: 23149.1/19

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

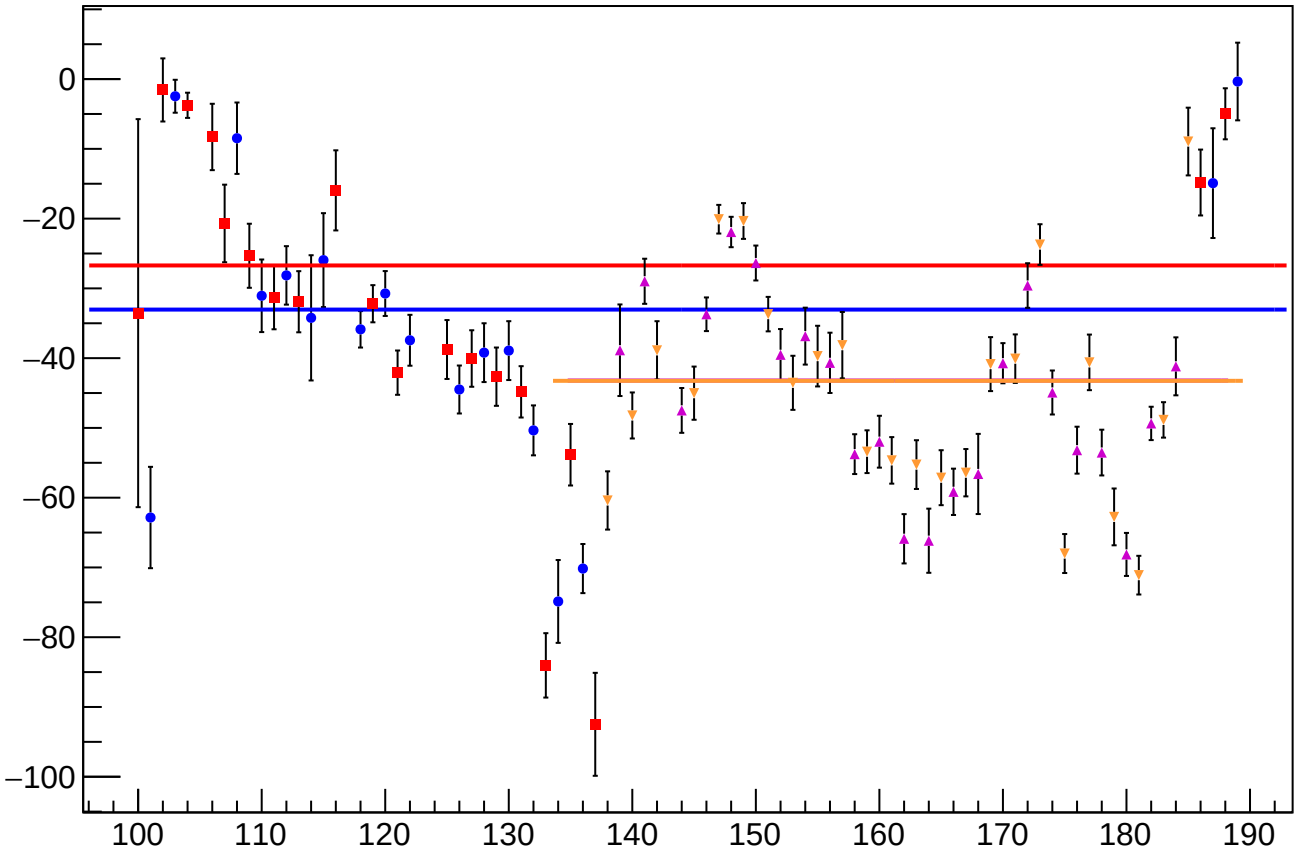
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -152.024+/-0.506 χ^2/NDF: 40170.6/37

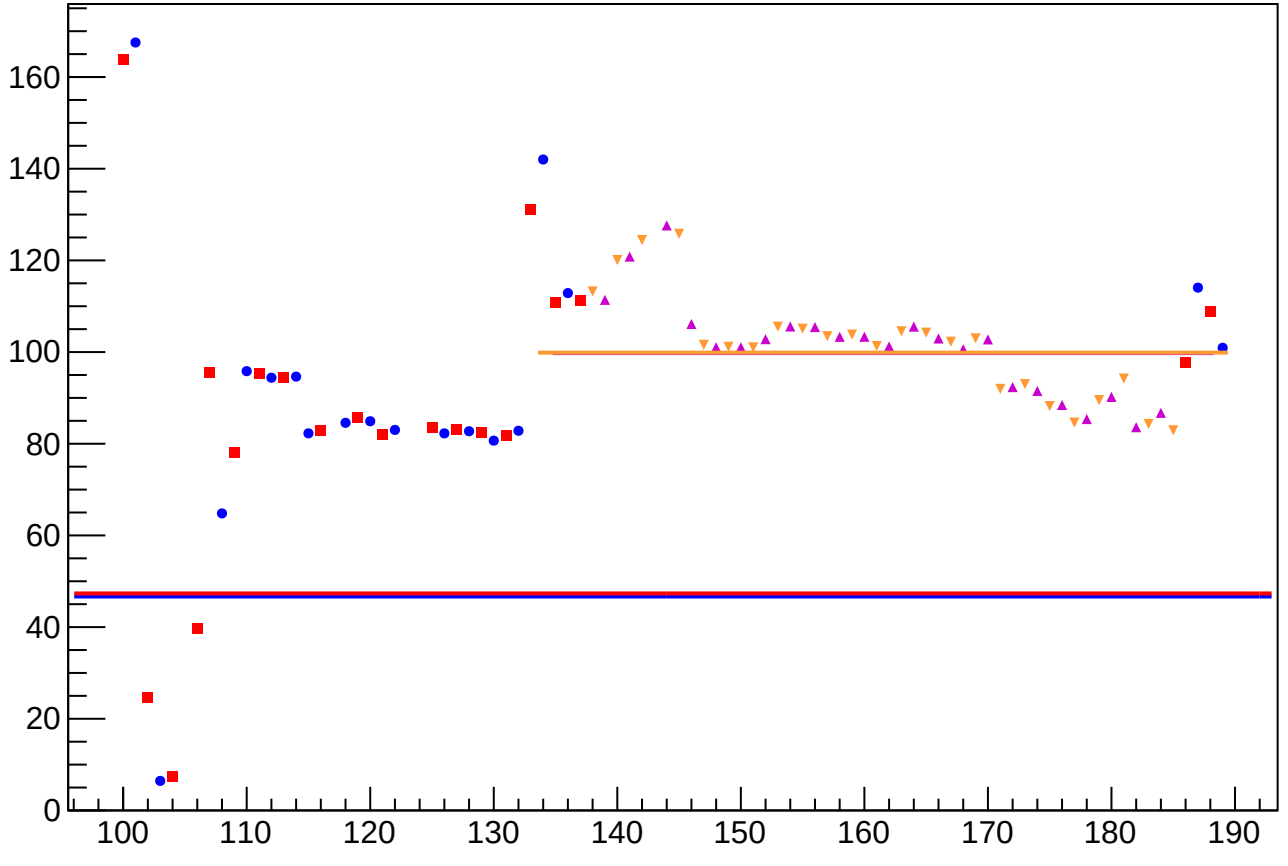
In: -156.955+/-0.547 χ^2/NDF:20411.5/40

Out: -161.371+/-0.505 χ^2/NDF:26335.7/43

All: -159.341+/-0.371 χ^2/NDF: 46782.4/84


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: -33.038+/-0.947 χ²/NDF: 452.8/17
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -26.713+/-0.865 χ²/NDF: 613.5/19
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -29.593+/-0.639 χ²/NDF: 1090.6/37
In: -39.813+/-0.547 χ²/NDF:935.5/40
Out: -37.122+/-0.527 χ²/NDF:1453.5/43
All: -38.417+/-0.379 χ²/NDF: 2401.6/84

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 46.678+/-0.044 χ^2/NDF: 1157128.4/17

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 47.340+/-0.043 χ^2/NDF: 939895.7/19

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 47.013+/-0.031 χ^2/NDF: 2097138.6/37

In: 82.515+/-0.025 χ^2/NDF:2251991.7/40

Out: 82.346+/-0.025 χ^2/NDF:2036706.3/43

All: 82.431+/-0.018 χ^2/NDF: 4288720.6/84

Right In: 34.716+/-0.621 χ^2/NDF: 3643.4/17

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 46.615+/-0.538 χ^2/NDF: 7692.1/19

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

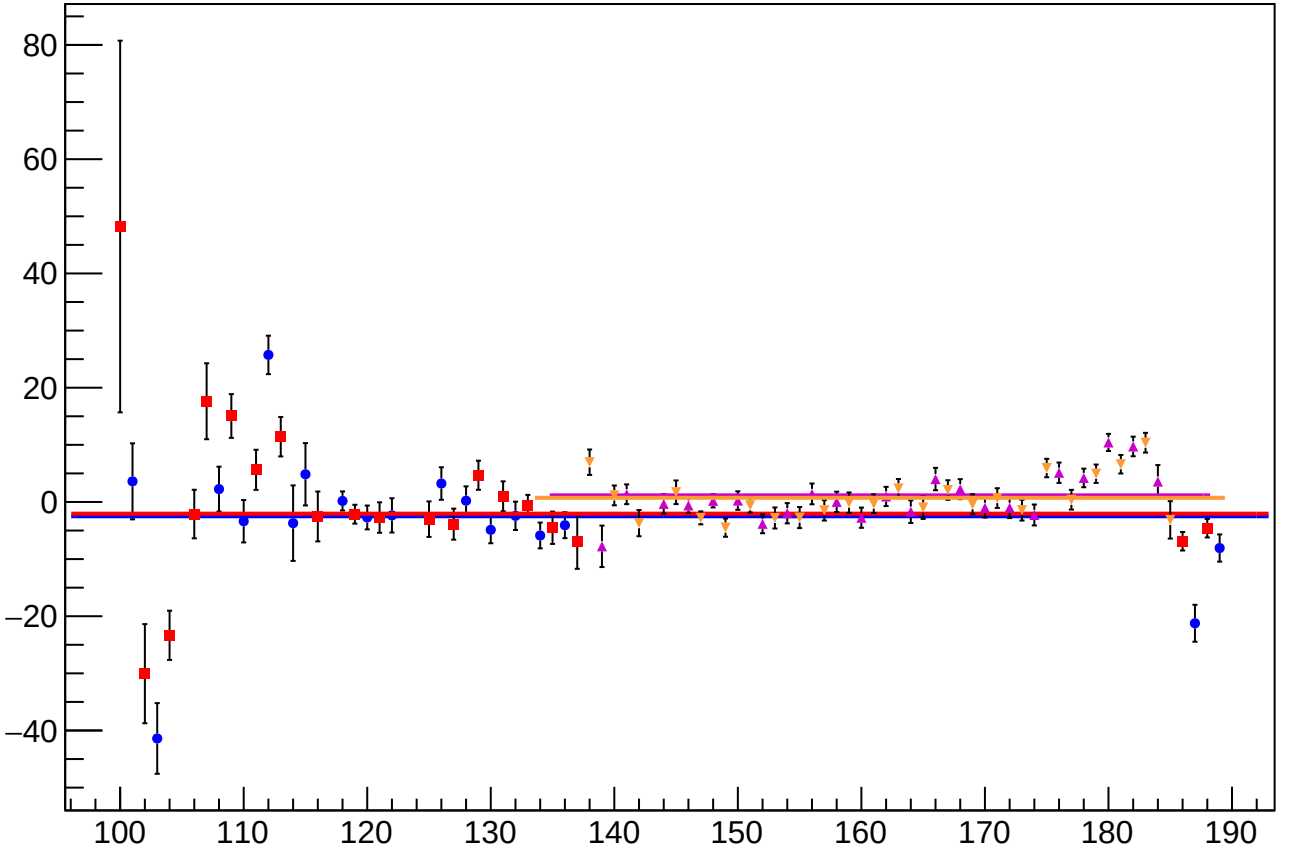
Right: 41.517+/-0.407 χ^2/NDF: 11545.2/37

In: 18.603+/-0.371 χ^2/NDF:4935.7/40

Out: 24.884+/-0.348 χ^2/NDF:10829.1/43

All: 21.943+/-0.254 χ^2/NDF: 15917.3/84

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.504+/-0.657 χ^2/NDF: 164.6/17

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.045+/-0.605 χ^2/NDF: 108.7/19

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

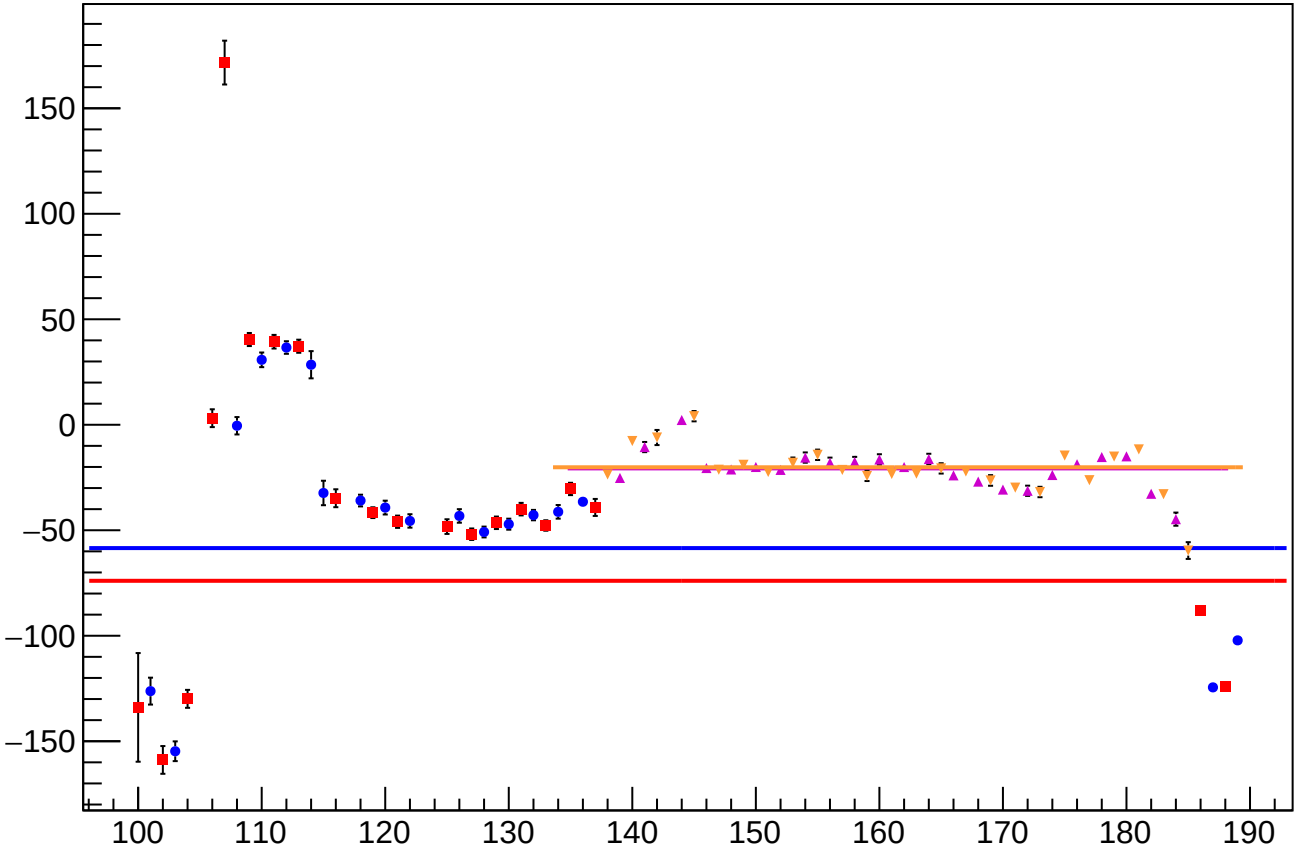
Right: -2.256+/-0.445 χ^2/NDF: 273.6/37

In: 0.320+/-0.314 χ^2/NDF:299.0/40

Out: 0.037+/-0.303 χ^2/NDF:234.2/43

All: 0.173+/-0.218 χ^2/NDF: 533.6/84

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.452+/-0.658 χ^2/NDF: 5219.6/17

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -73.957+/-0.527 χ^2/NDF: 9244.4/19

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

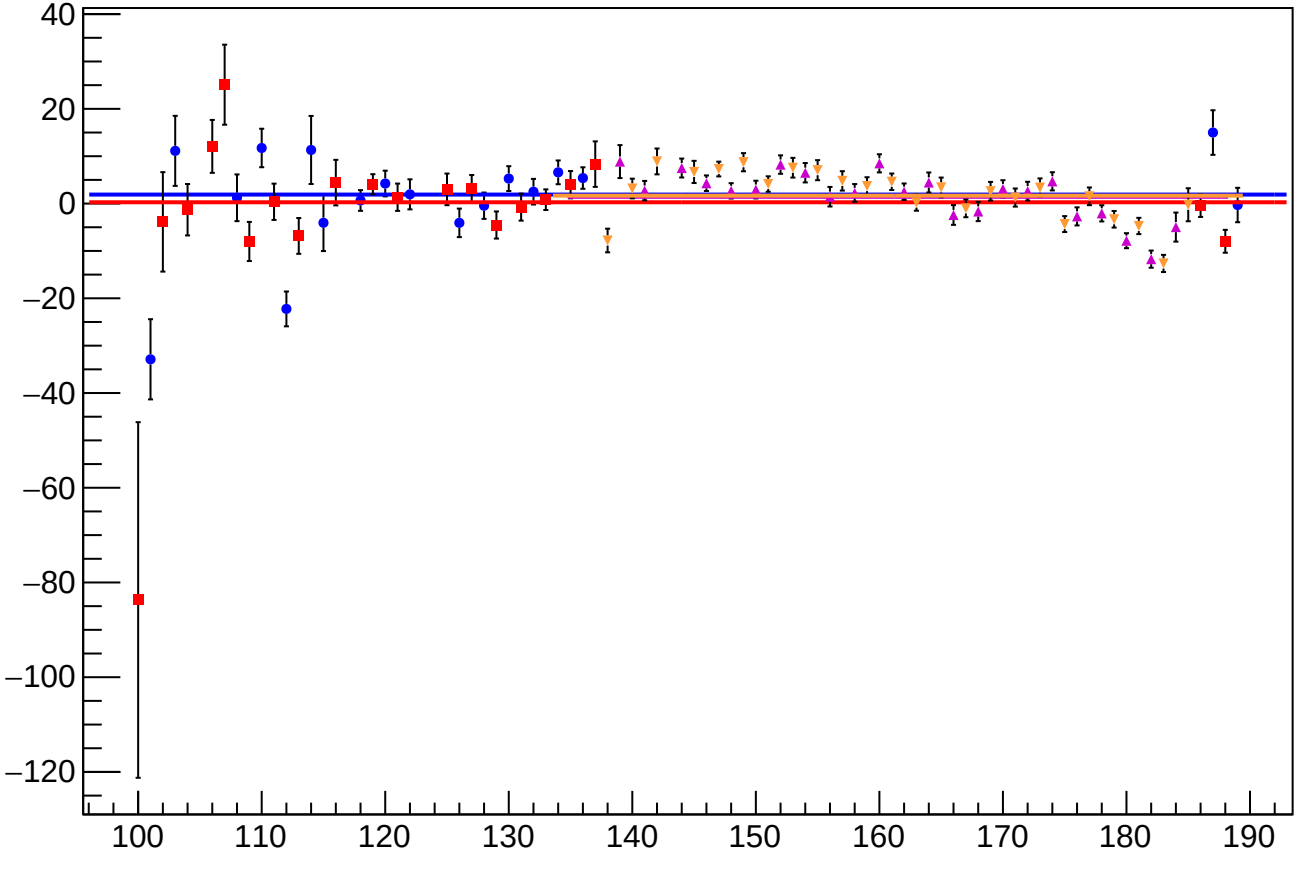
Right: -67.899+/-0.411 χ^2/NDF: 14802.2/37

In: -32.993+/-0.376 χ^2/NDF:7750.2/40

Out: -42.979+/-0.343 χ^2/NDF:15665.4/43

All: -38.436+/-0.253 χ^2/NDF: 23800.7/84

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.900+/-0.768 χ^2/NDF: 91.5/17

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.273+/-0.736 χ^2/NDF: 50.8/19

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

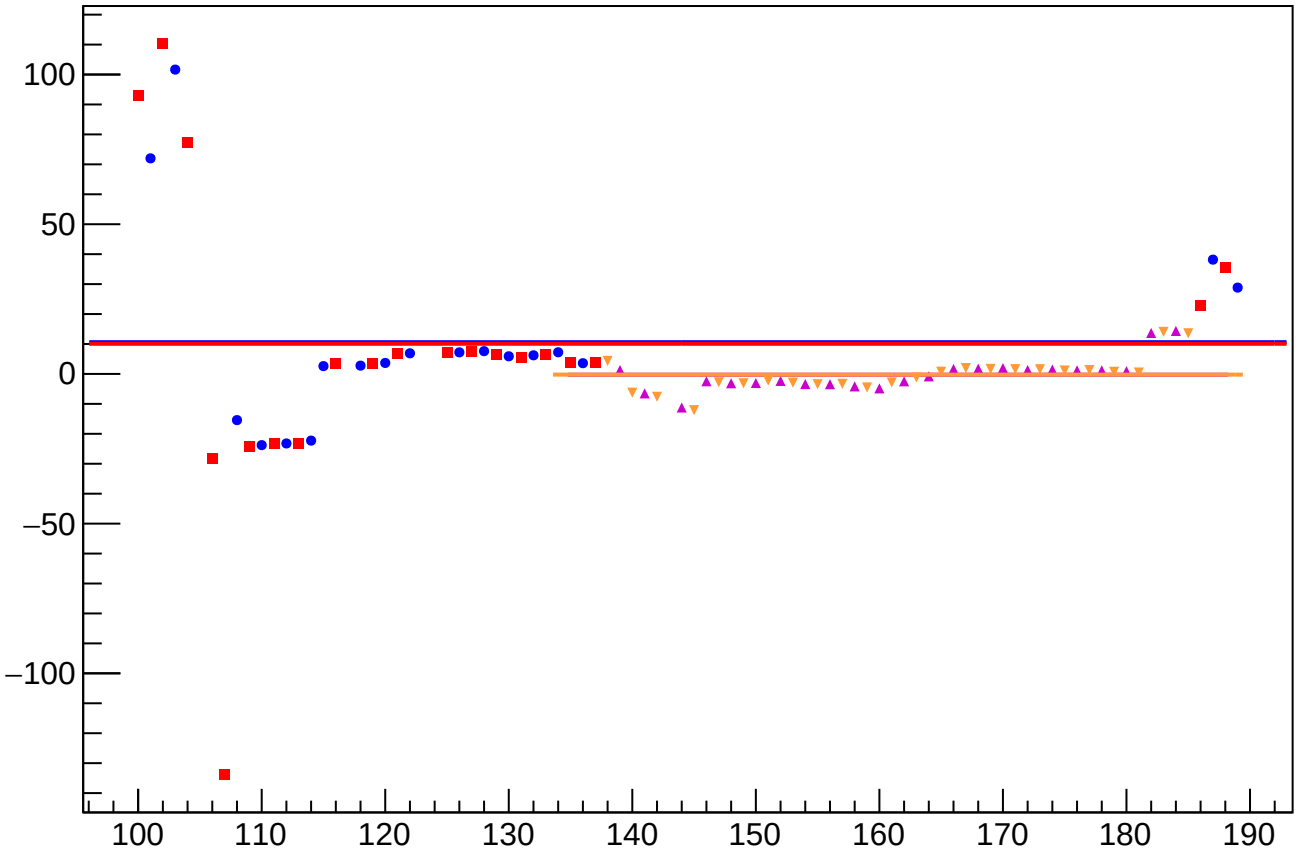
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.052+/-0.531 χ^2/NDF: 144.7/37

In: 1.530+/-0.357 χ^2/NDF:254.6/40

Out: 1.358+/-0.348 χ^2/NDF:231.6/43

All: 1.442+/-0.249 χ^2/NDF: 486.3/84



Right In: 10.602+/-0.046 χ^2/NDF: 338850.1/17

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 10.073+/-0.046 χ^2/NDF: 503912.6/19

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

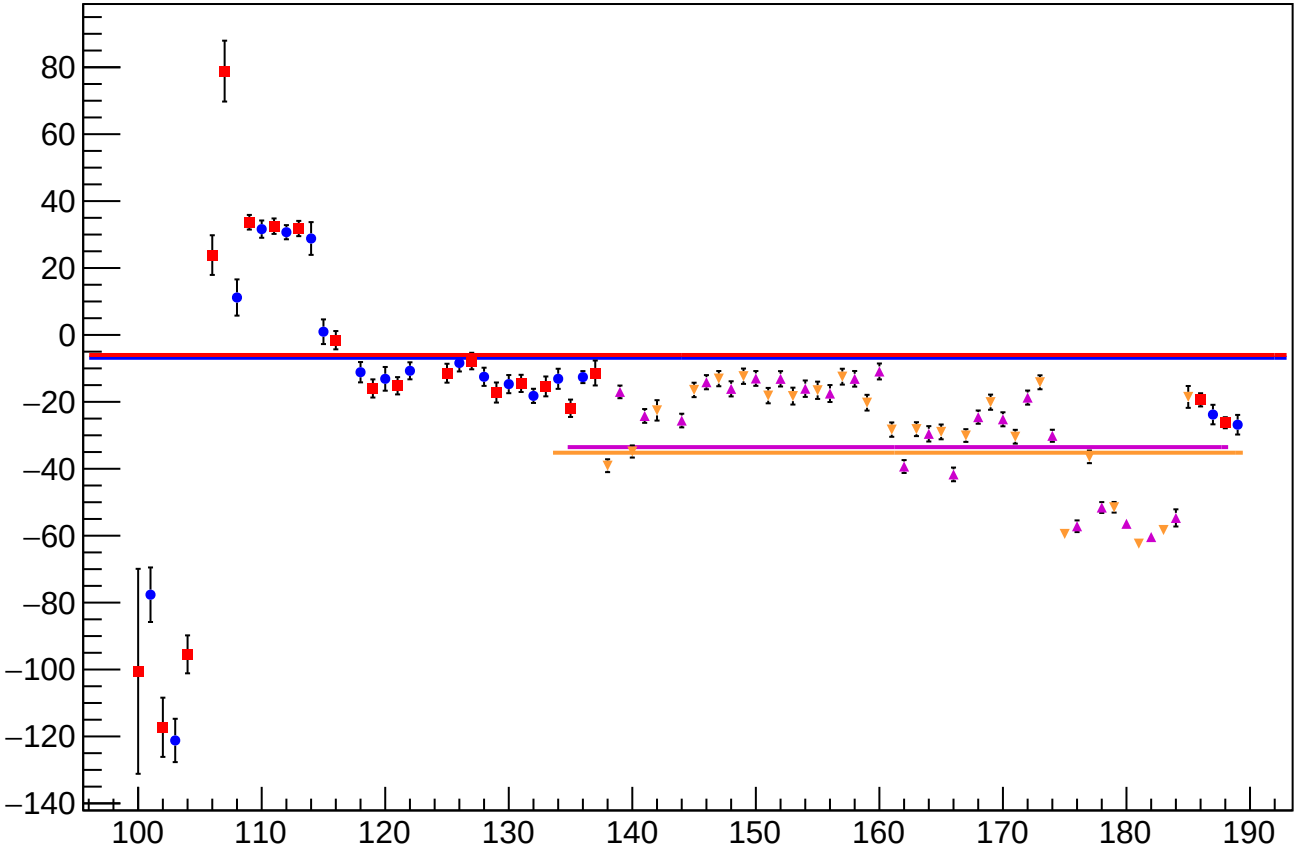
Right: 10.339+/-0.032 χ^2/NDF: 842829.2/37

In: 1.150+/-0.017 χ^2/NDF:460701.2/40

Out: 1.089+/-0.016 χ^2/NDF:628541.4/43

All: 1.119+/-0.012 χ^2/NDF: 1089249.5/84

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.826+/-0.673 χ^2/NDF: 1136.0/17

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -5.990+/-0.620 χ^2/NDF: 1713.7/19

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

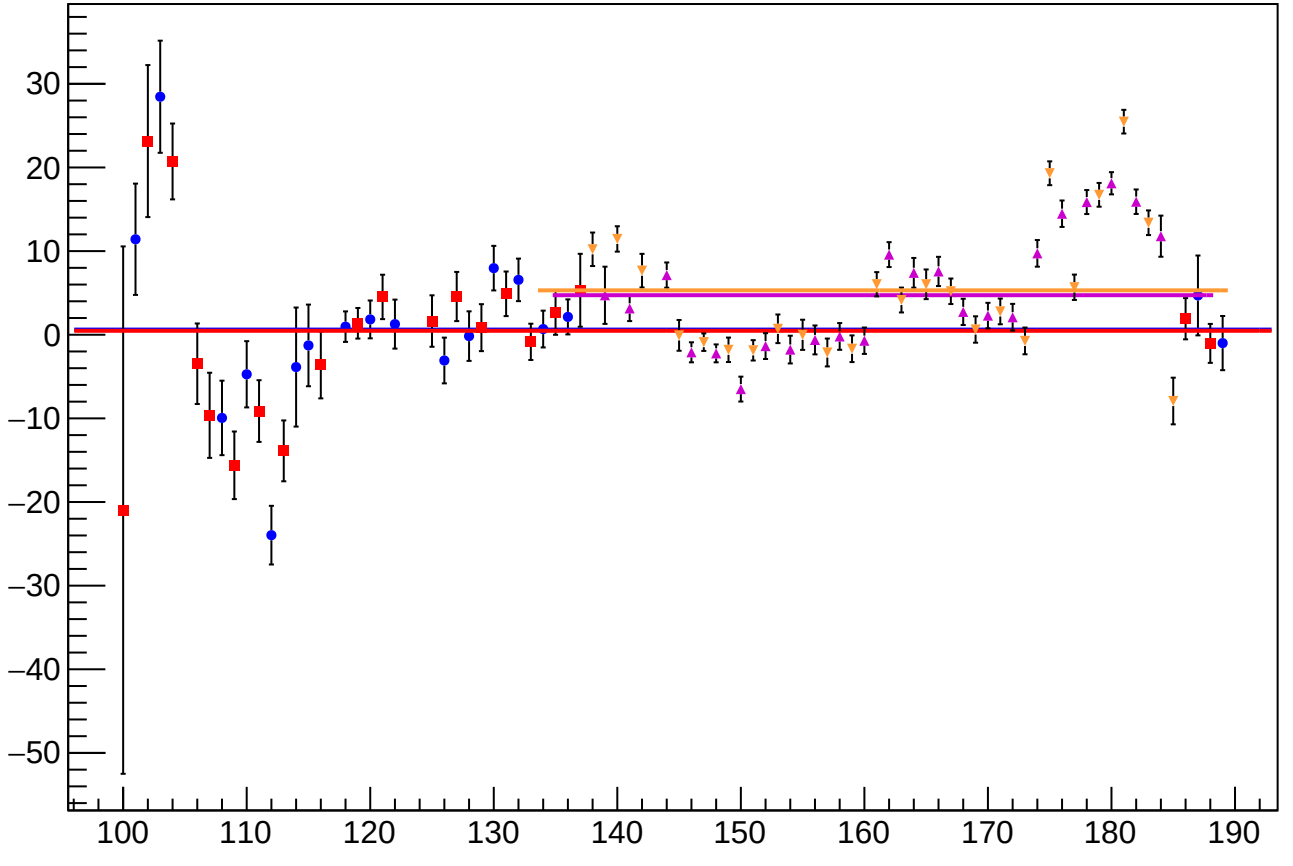
Right: -6.374+/-0.456 χ^2/NDF: 2850.5/37

In: -26.203+/-0.352 χ^2/NDF:4085.0/40

Out: -26.369+/-0.341 χ^2/NDF:5113.1/43

All: -26.289+/-0.245 χ^2/NDF: 9198.2/84

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.616+/-0.702 χ^2/NDF: 93.9/17

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.473+/-0.689 χ^2/NDF: 80.9/19

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

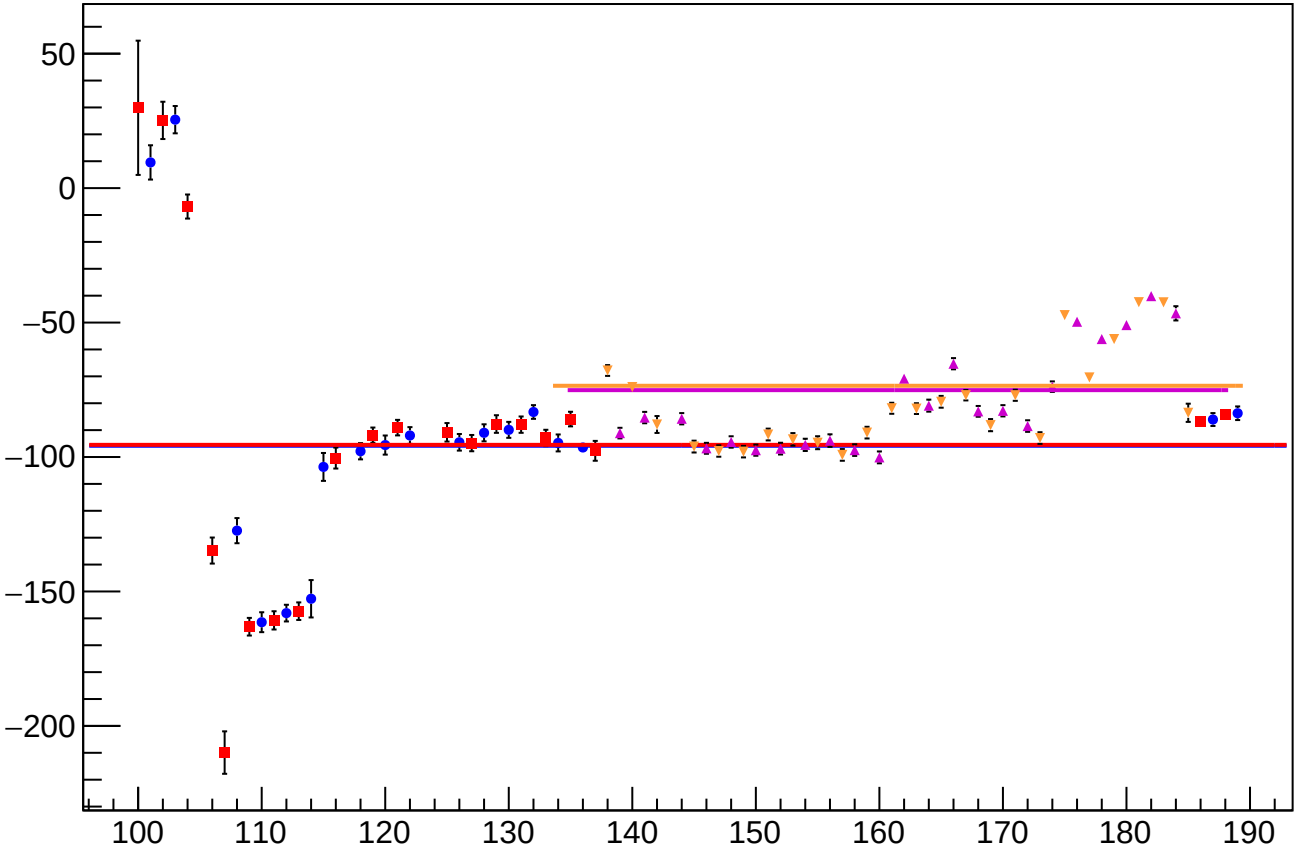
Right: 0.543+/-0.492 χ^2/NDF: 174.8/37

In: 4.015+/-0.292 χ^2/NDF:618.2/40

Out: 4.472+/-0.286 χ^2/NDF:746.0/43

All: 4.248+/-0.204 χ^2/NDF: 1365.4/84

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -95.806+/-0.736 χ^2/NDF: 1747.6/17

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -95.477+/-0.647 χ^2/NDF: 2287.0/19

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

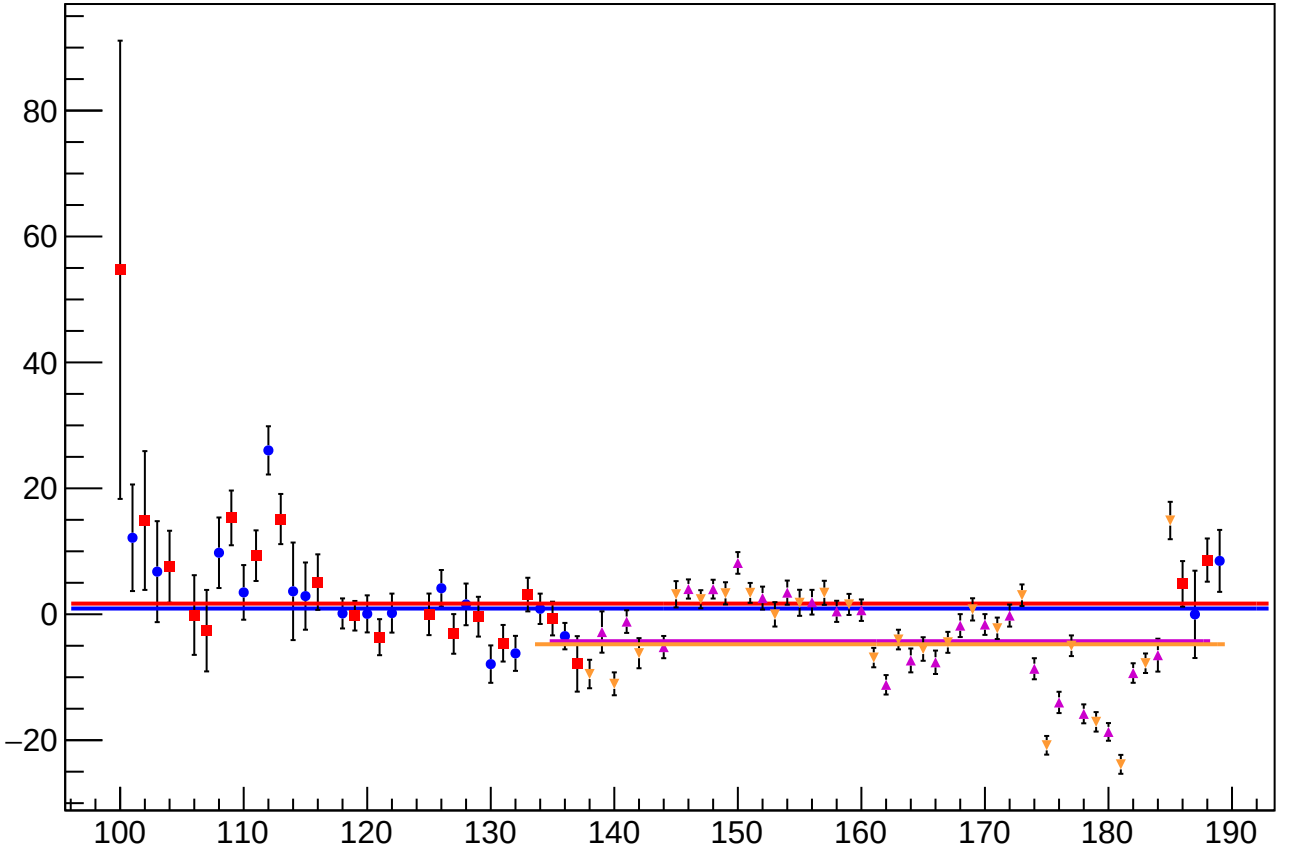
Right: -95.620+/-0.486 χ^2/NDF: 4034.7/37

In: -80.024+/-0.358 χ^2/NDF:4711.0/40

Out: -79.696+/-0.343 χ^2/NDF:5506.9/43

All: -79.853+/-0.248 χ^2/NDF: 10218.4/84

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.909+/-0.805 χ^2/NDF: 72.1/17

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 1.695+/-0.810 χ^2/NDF: 53.0/19

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

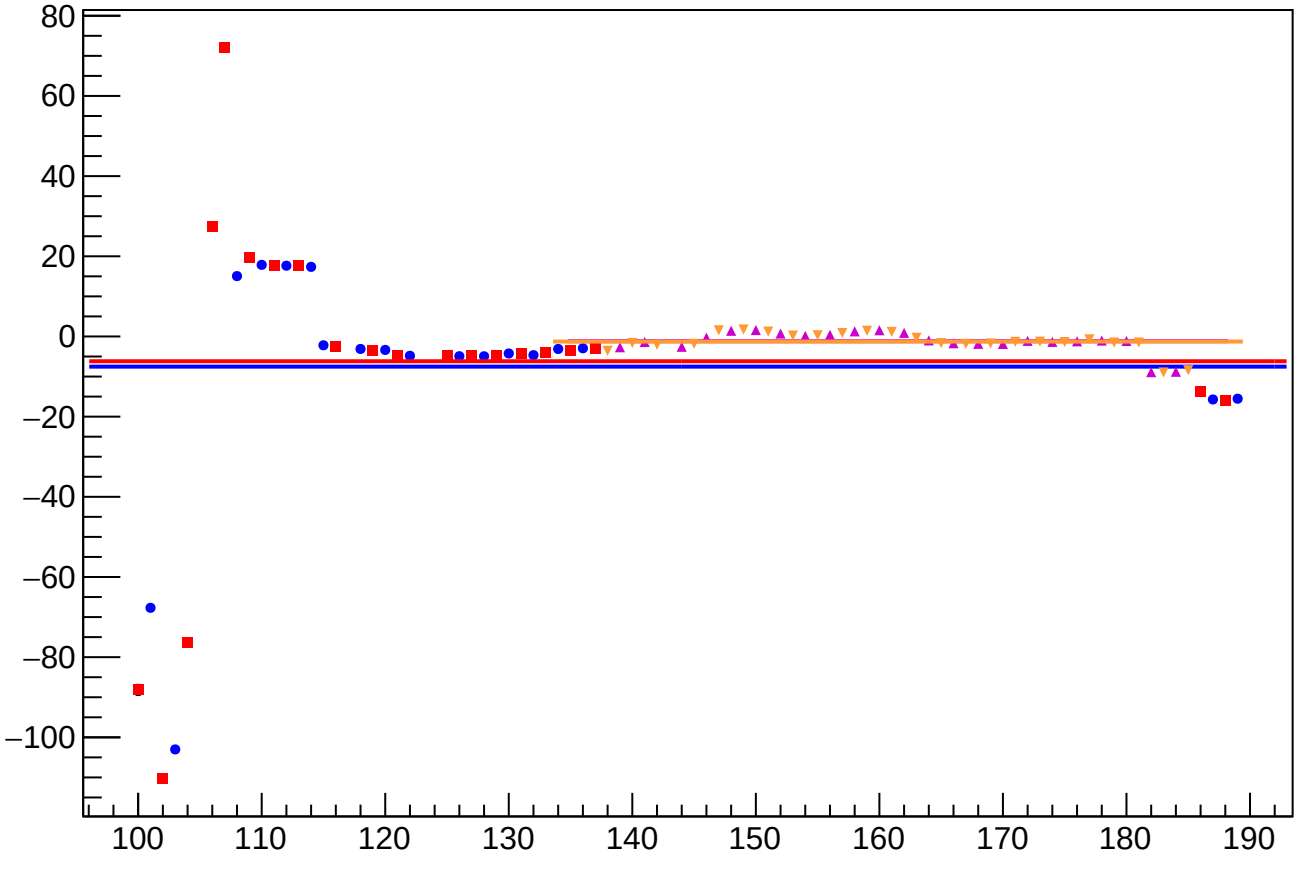
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 1.300+/-0.571 χ^2/NDF: 125.5/37

In: -3.409+/-0.329 χ^2/NDF:530.8/40

Out: -3.722+/-0.325 χ^2/NDF:683.2/43

All: -3.568+/-0.231 χ^2/NDF: 1214.5/84



Right In: -7.525+/-0.047 χ^2/NDF: 267379.2/17

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -6.182+/-0.049 χ^2/NDF: 344505.2/19

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

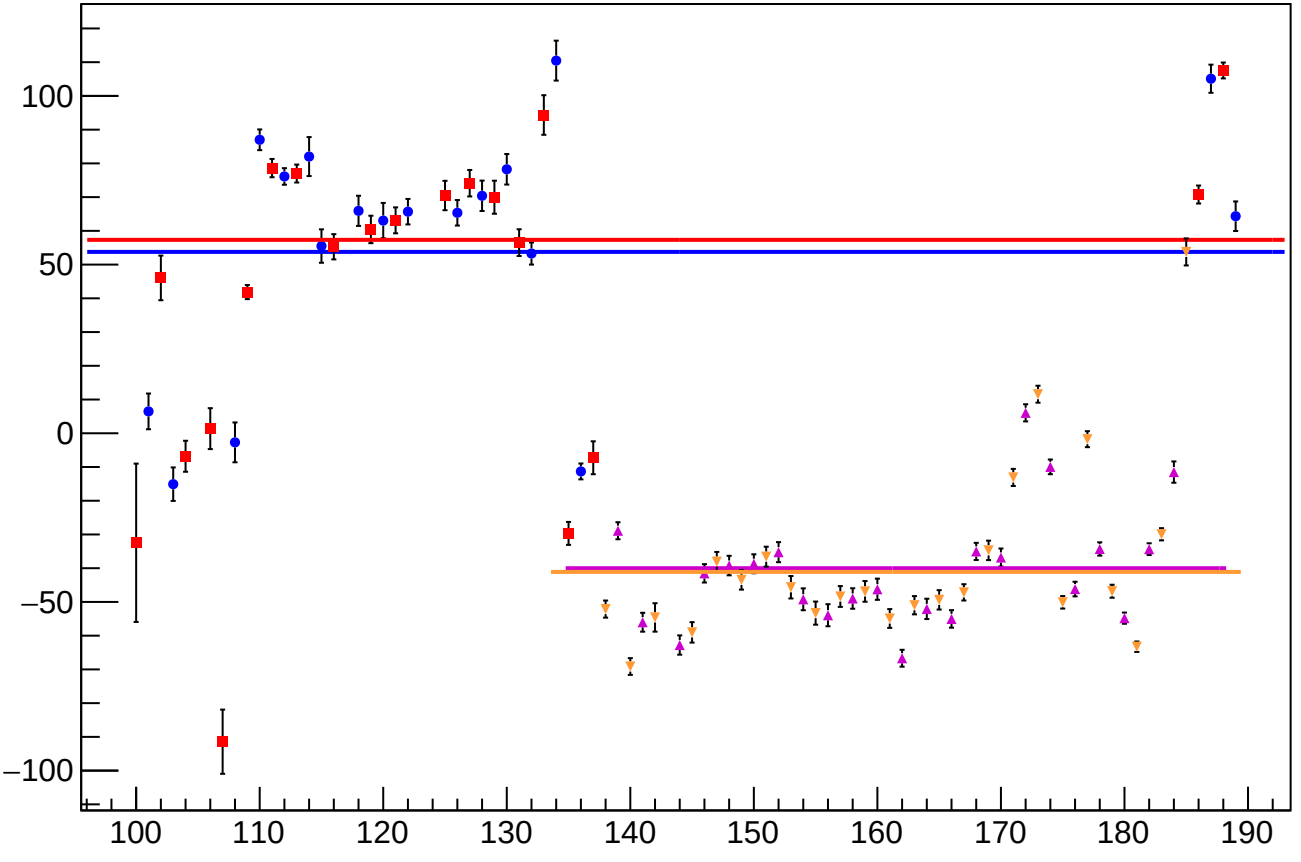
Right: -6.888+/-0.034 χ^2/NDF: 612274.5/37

In: -1.840+/-0.015 χ^2/NDF:308585.2/40

Out: -1.728+/-0.015 χ^2/NDF:378602.6/43

All: -1.784+/-0.011 χ^2/NDF: 687215.3/84

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 53.764+/-0.920 χ^2/NDF: 1672.2/17

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 57.336+/-0.812 χ^2/NDF: 2100.7/19

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

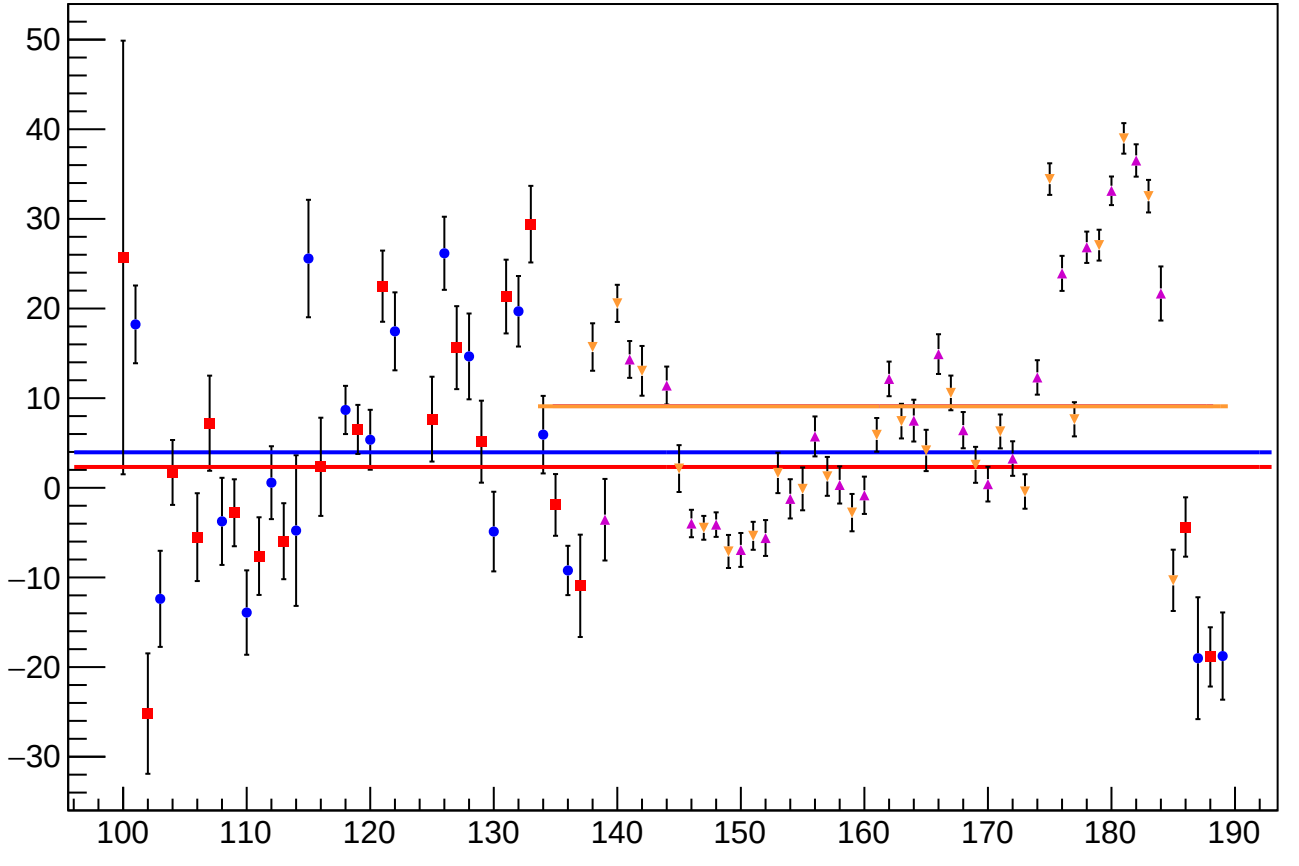
Right: 55.772+/-0.609 χ^2/NDF: 3781.4/37

In: -16.997+/-0.455 χ^2/NDF:10550.9/40

Out: -12.659+/-0.436 χ^2/NDF:14507.1/43

All: -14.735+/-0.315 χ^2/NDF: 25105.3/84

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.961+/-0.989 χ^2/NDF: 173.6/17

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 2.325+/-0.937 χ^2/NDF: 183.8/19

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

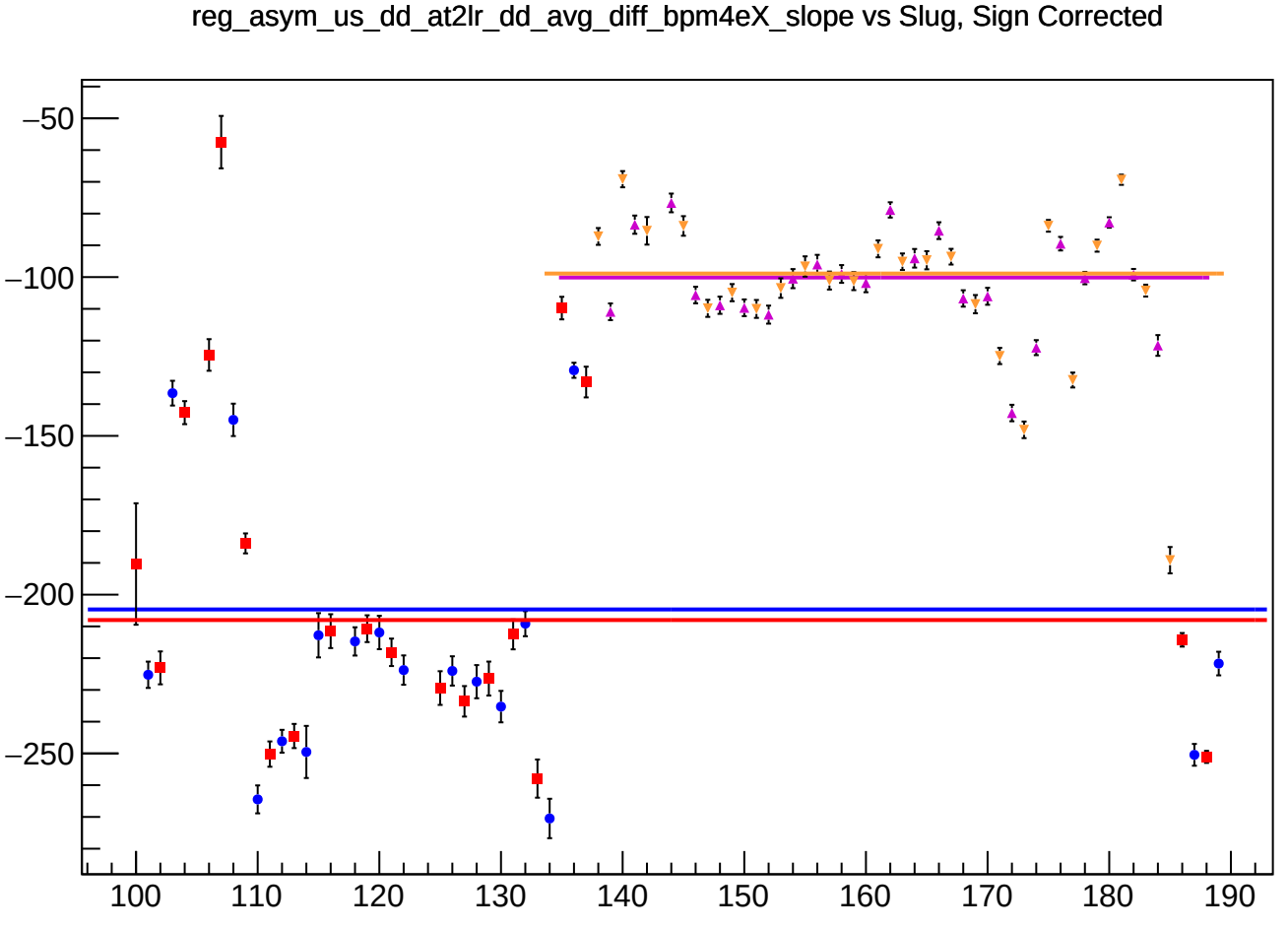
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 3.099+/-0.680 χ^2/NDF: 358.9/37

In: 8.367+/-0.378 χ^2/NDF:1248.7/40

Out: 8.045+/-0.369 χ^2/NDF:1481.6/43

All: 8.202+/-0.264 χ^2/NDF: 2730.7/84



Right In: -204.660+/-0.995 χ^2/NDF: 2232.5/17

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -207.996+/-0.859 χ^2/NDF: 2872.1/19

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

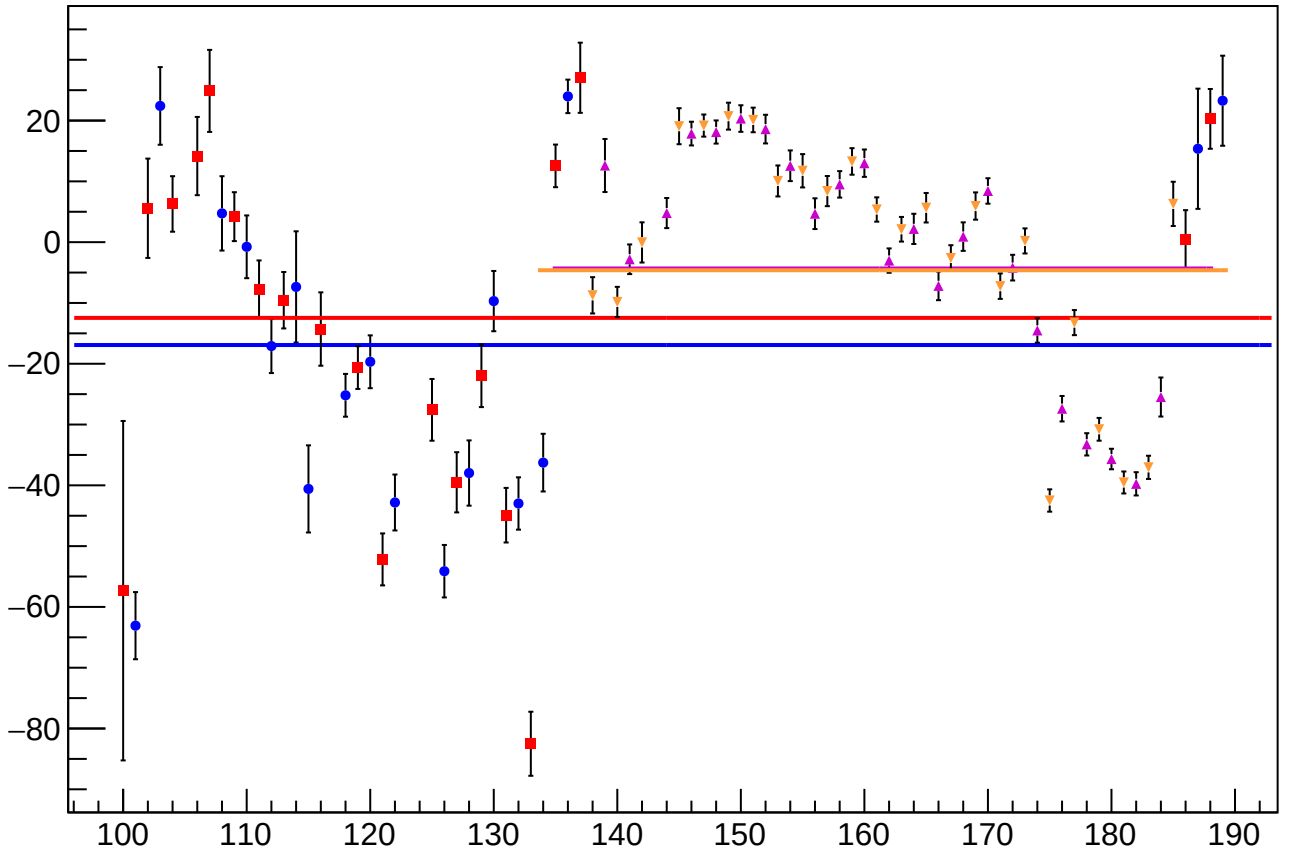
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -206.572+/-0.650 χ^2/NDF: 5111.1/37

In: -122.546+/-0.461 χ^2/NDF:11719.8/40

Out: -127.664+/-0.441 χ^2/NDF:16576.5/43

All: -125.217+/-0.319 χ^2/NDF: 28360.7/84



Right In: -16.920+/-1.138 χ^2/NDF: 585.5/17

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -12.455+/-1.101 χ^2/NDF: 602.7/19

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

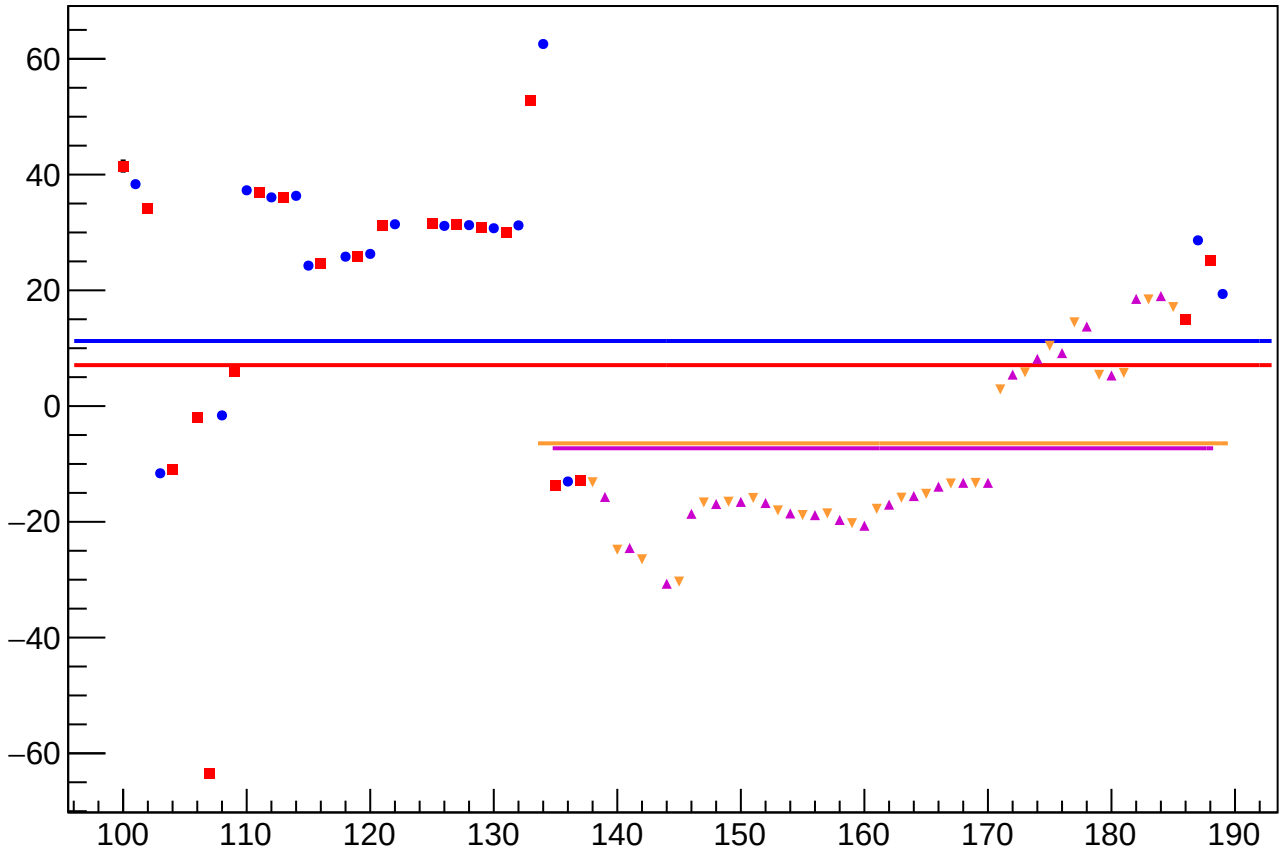
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -14.614+/-0.791 χ^2/NDF: 1196.2/37

In: -6.089+/-0.426 χ^2/NDF:2545.0/40

Out: -5.745+/-0.418 χ^2/NDF:2724.4/43

All: -5.914+/-0.298 χ^2/NDF: 5269.7/84



Right In: 11.246+/-0.061 χ^2/NDF: 166586.7/17

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 7.076+/-0.061 χ^2/NDF: 161453.7/19

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

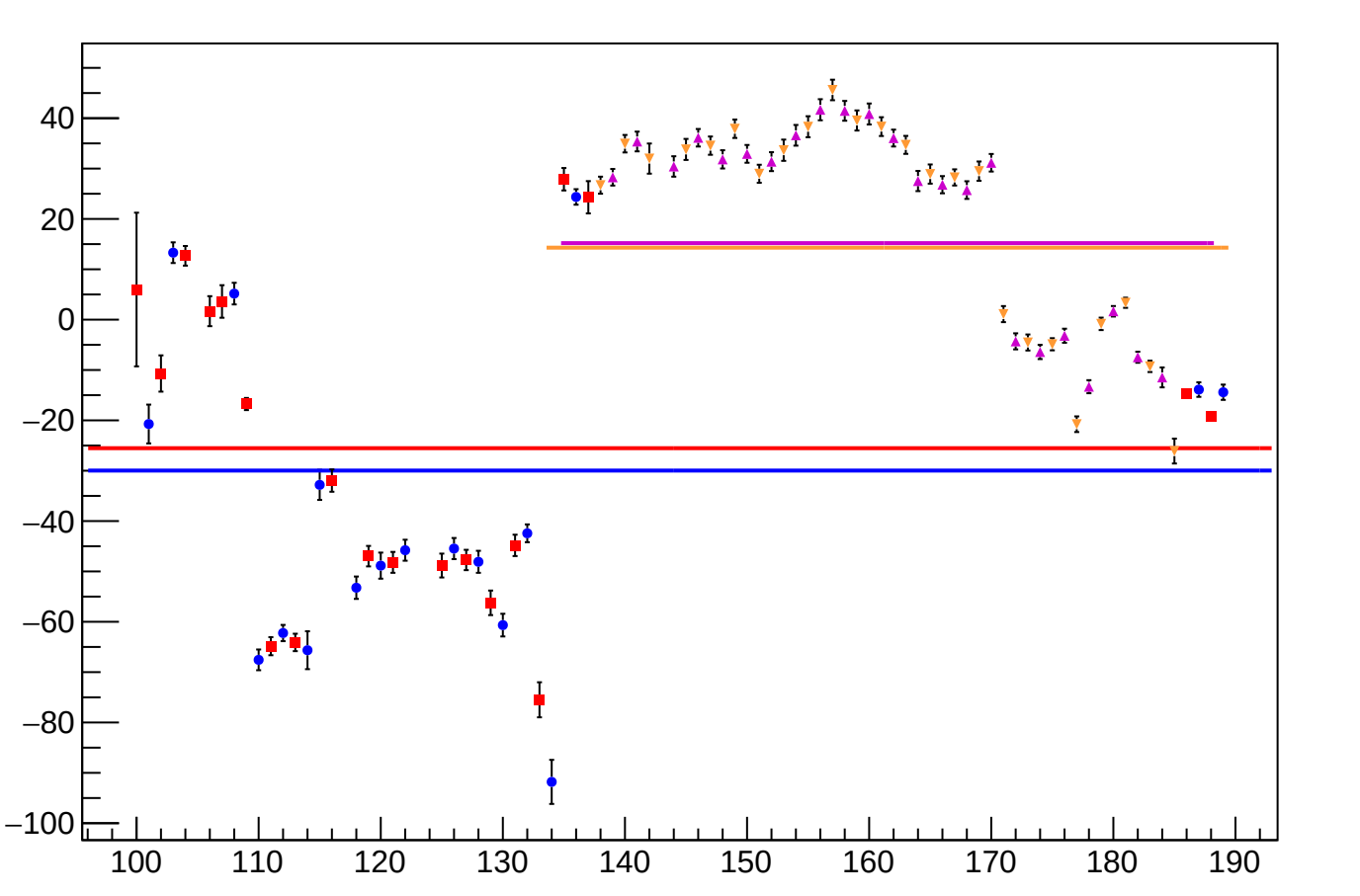
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 9.137+/-0.043 χ^2/NDF: 330378.9/37

In: -5.462+/-0.019 χ^2/NDF:737176.2/40

Out: -5.088+/-0.019 χ^2/NDF:702890.9/43

All: -5.274+/-0.014 χ^2/NDF: 1440256.6/84



Right In: -29.971+/-0.485 χ^2/NDF: 3792.4/17

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -25.527+/-0.398 χ^2/NDF: 3510.2/19

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

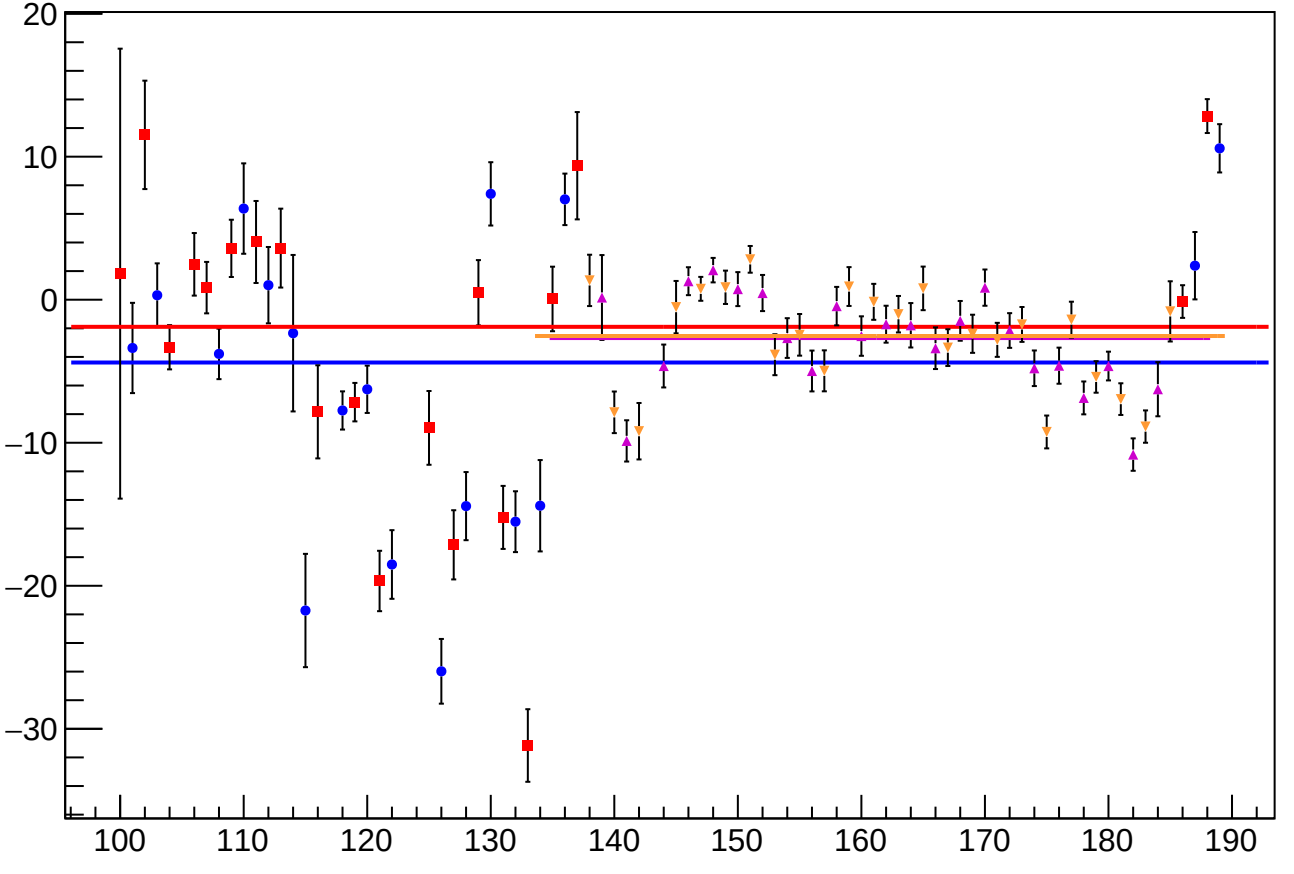
Right: -27.317+/-0.308 χ^2/NDF: 7352.7/37

In: 0.355+/-0.278 χ^2/NDF:13016.4/40

Out: -2.209+/-0.257 χ^2/NDF:13085.6/43

All: -1.030+/-0.189 χ^2/NDF: 26148.0/84

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.391+/-0.513 χ^2/NDF: 383.4/17

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.896+/-0.447 χ^2/NDF: 509.8/19

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

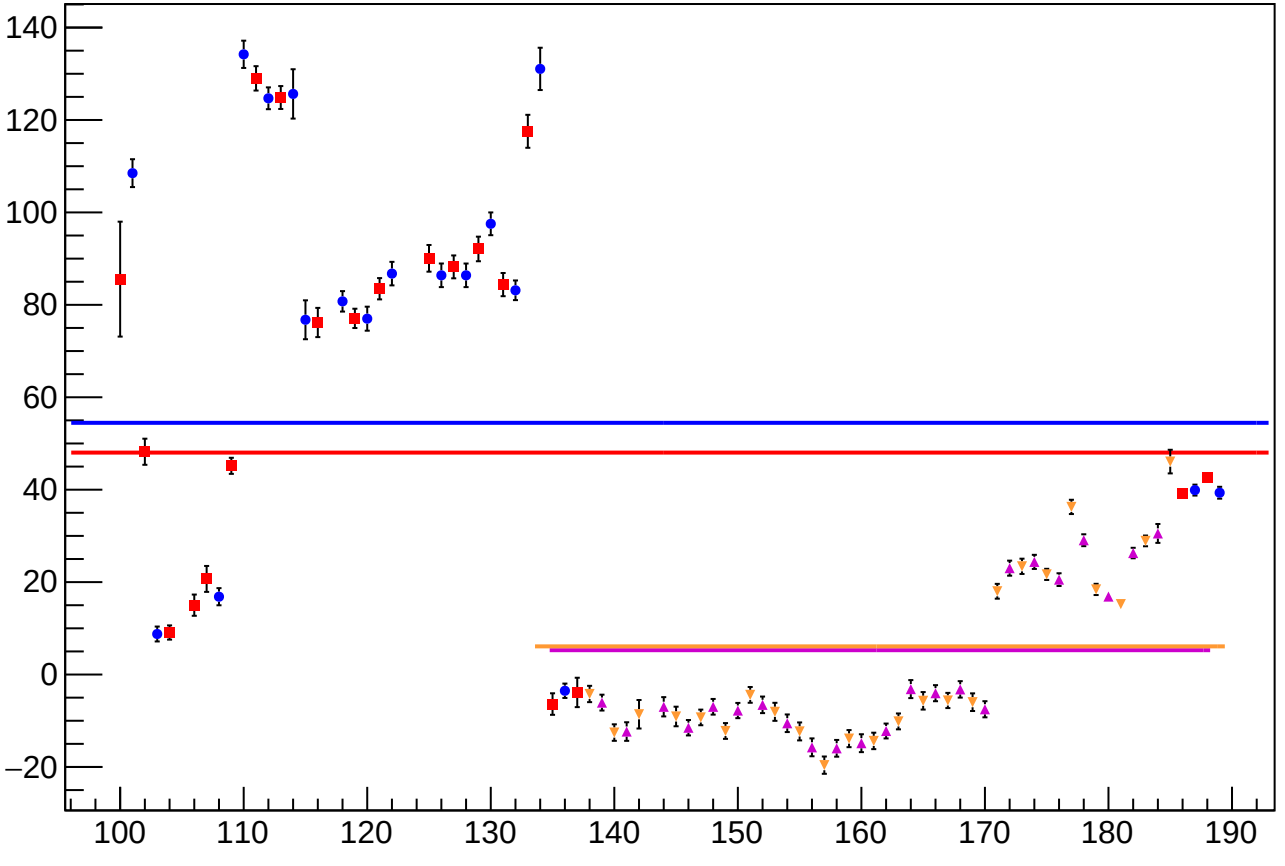
Right: -2.972+/-0.337 χ^2/NDF: 906.7/37

In: -3.040+/-0.235 χ^2/NDF:574.2/40

Out: -2.376+/-0.224 χ^2/NDF:709.7/43

All: -2.692+/-0.162 χ^2/NDF: 1288.1/84

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 54.470+/-0.491 χ^2/NDF: 6491.8/17

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 48.027+/-0.380 χ^2/NDF: 5721.0/19

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

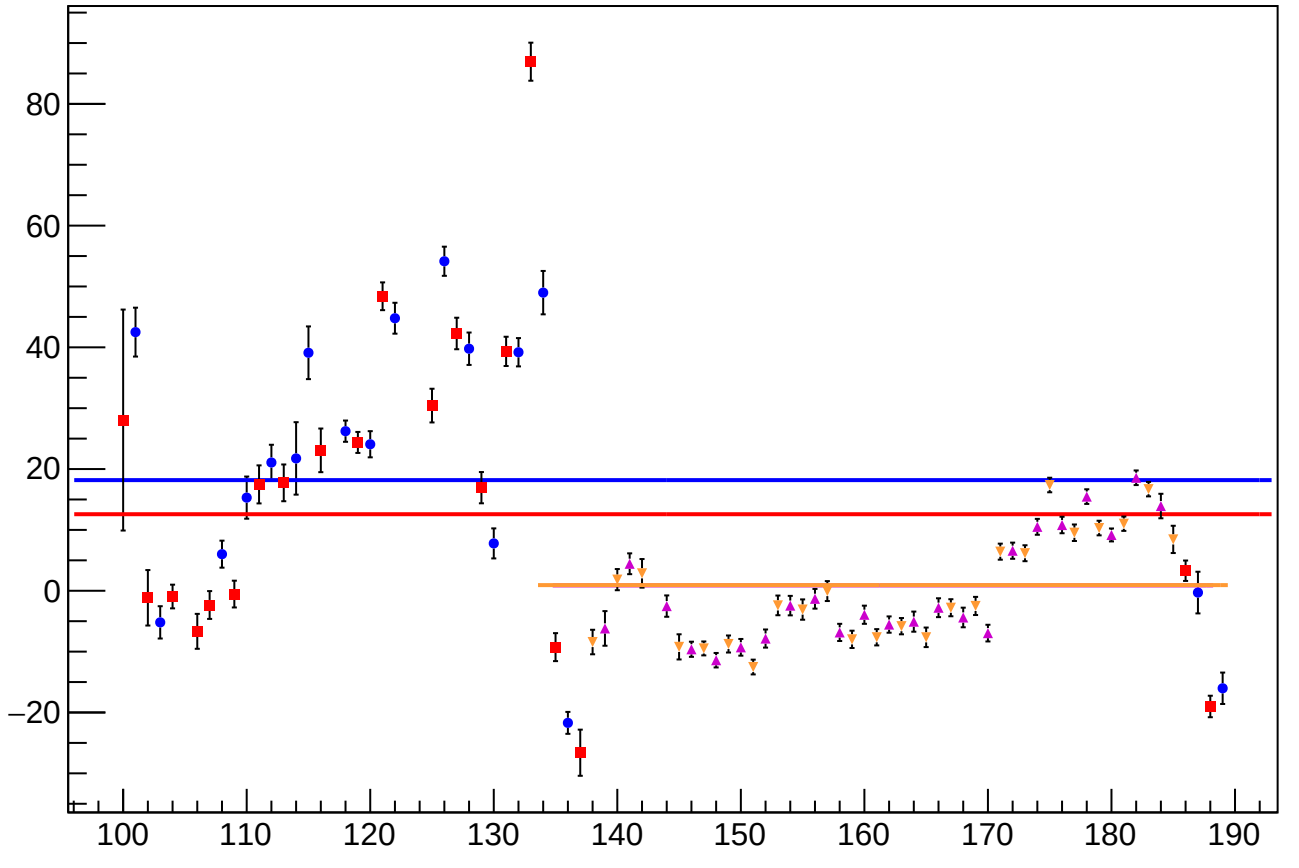
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 50.444+/-0.301 χ^2/NDF: 12320.4/37

In: 21.002+/-0.278 χ^2/NDF:15777.9/40

Out: 24.285+/-0.250 χ^2/NDF:15378.9/43

All: 22.811+/-0.186 χ^2/NDF: 31233.8/84



Right In: 18.181+/-0.611 χ^2/NDF: 1468.6/17

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 12.578+/-0.551 χ^2/NDF: 1901.5/19

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

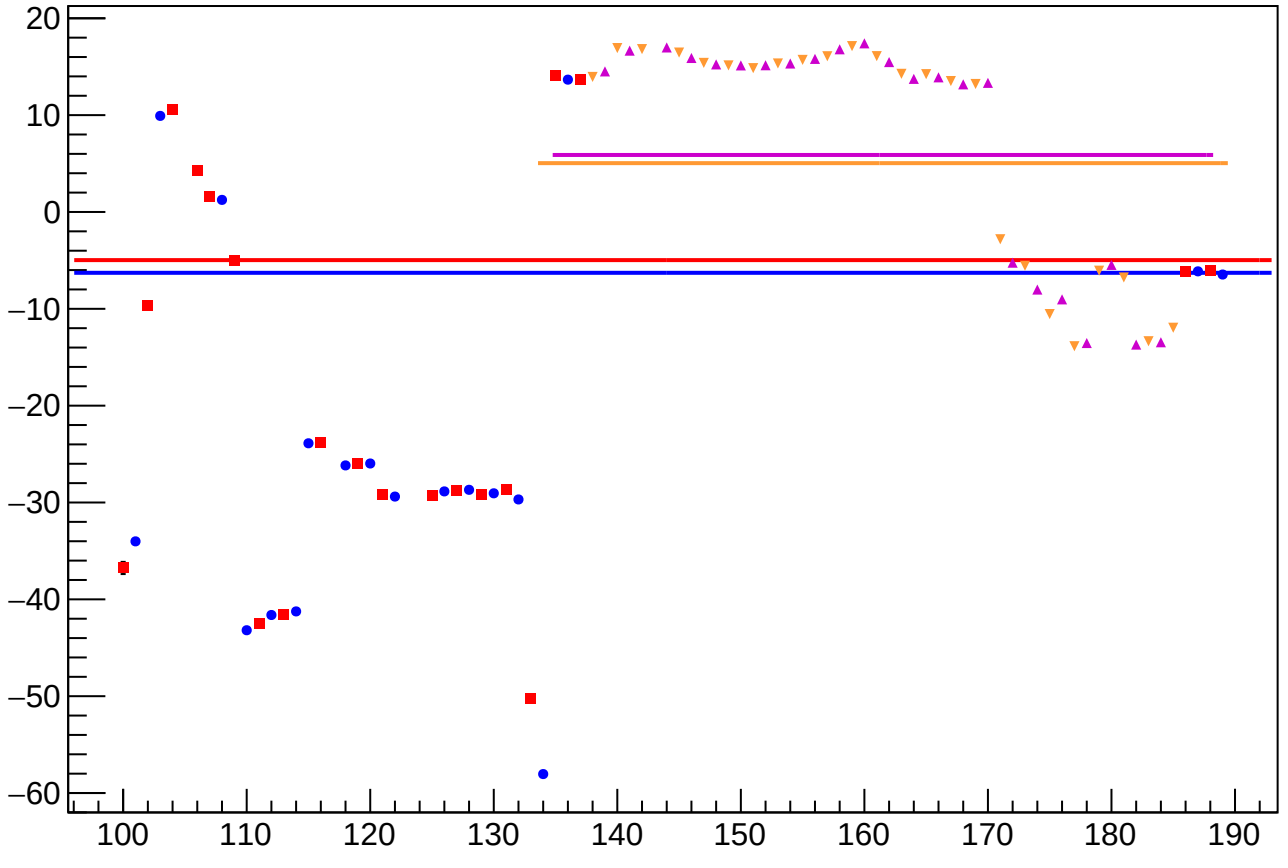
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 15.090+/-0.409 χ^2/NDF: 3416.5/37

In: 4.186+/-0.267 χ^2/NDF:3122.6/40

Out: 3.481+/-0.258 χ^2/NDF:3292.3/43

All: 3.821+/-0.186 χ^2/NDF: 6418.5/84



Right In: -6.282+/-0.032 χ^2/NDF: 410464.2/17

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -4.971+/-0.030 χ^2/NDF: 306970.9/19

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

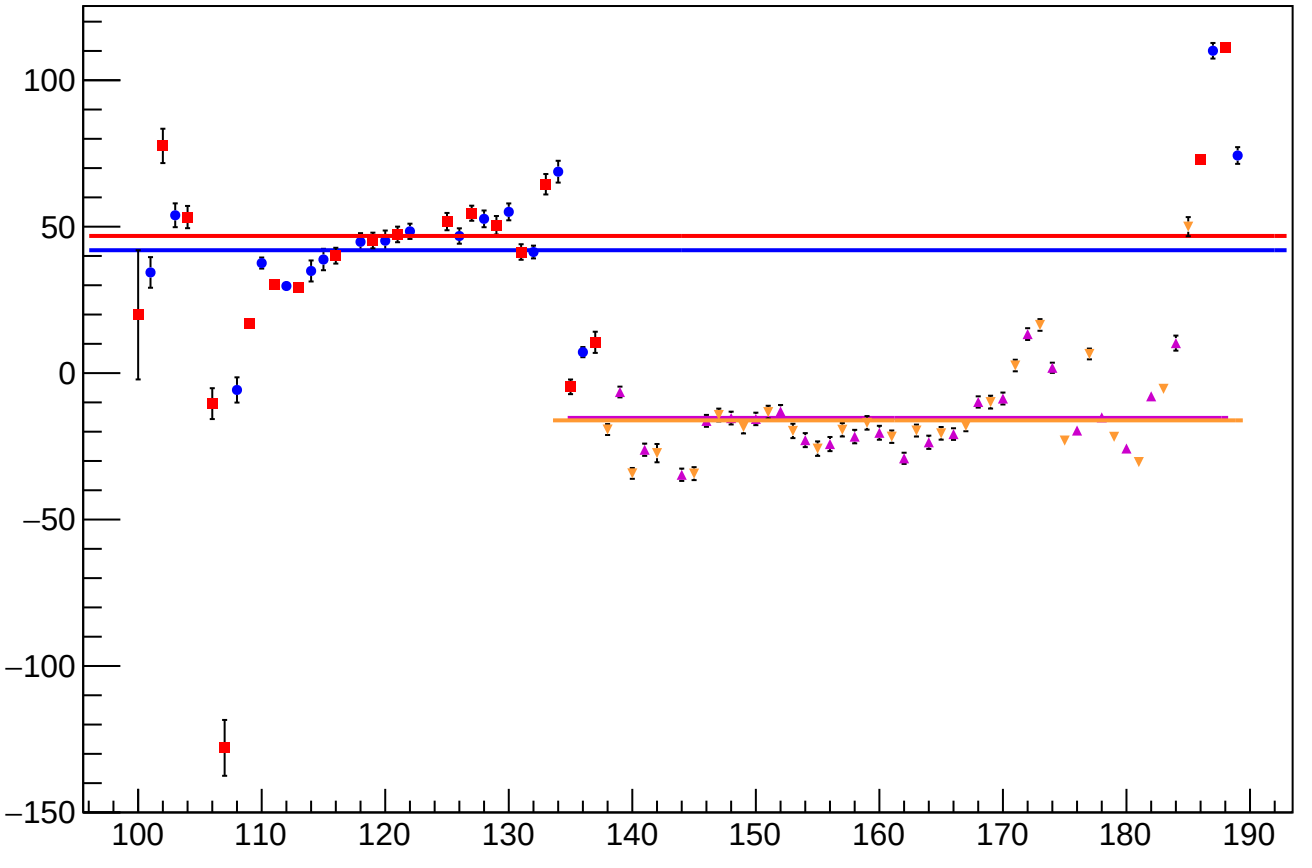
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -5.603+/-0.022 χ^2/NDF: 718325.1/37

In: 4.093+/-0.012 χ^2/NDF:1383057.5/40

Out: 3.490+/-0.012 χ^2/NDF:1253634.4/43

All: 3.788+/-0.009 χ^2/NDF: 2637939.2/84



Right In: 41.960+/-0.622 χ^2/NDF: 1483.2/17

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 46.835+/-0.551 χ^2/NDF: 3693.3/19

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

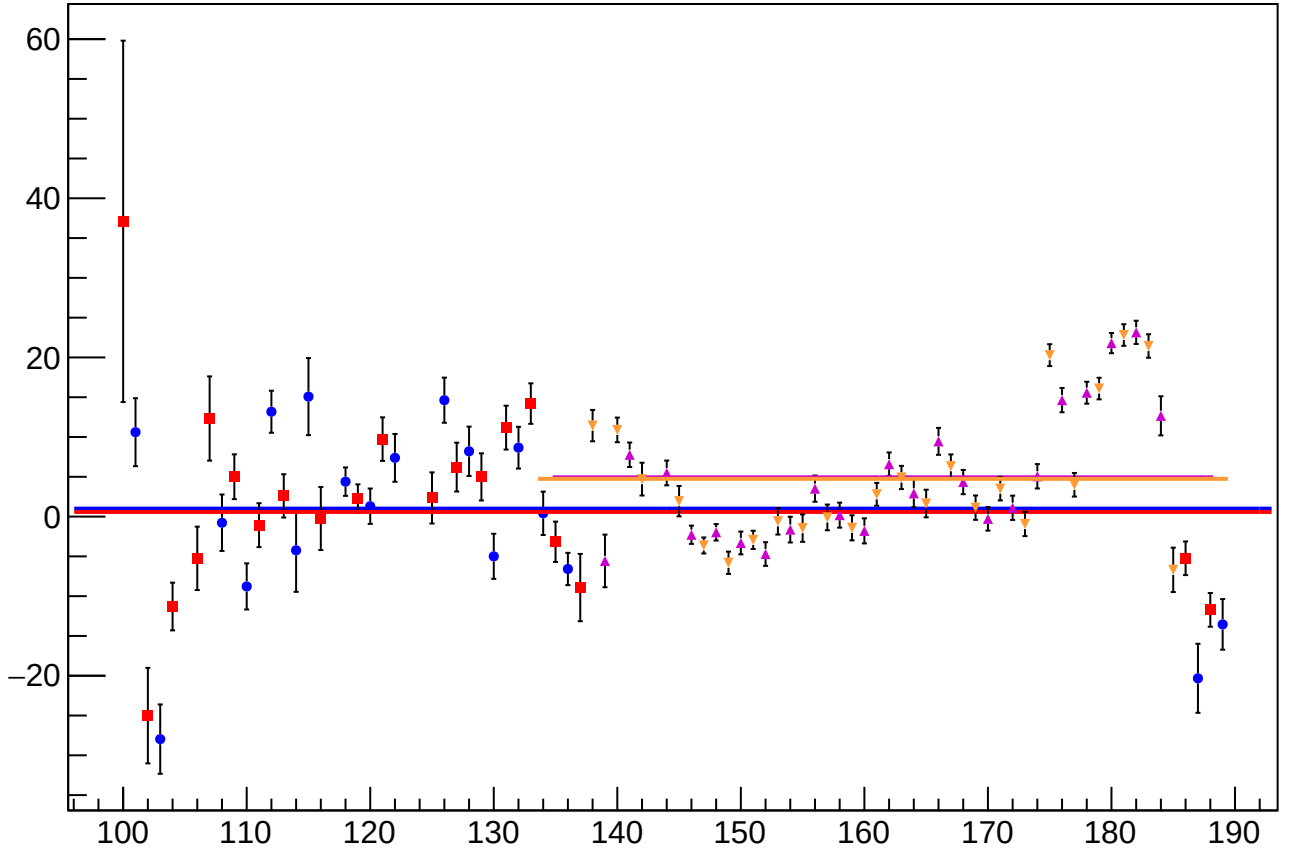
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 44.691+/-0.413 χ^2/NDF: 5210.9/37

In: 1.644+/-0.338 χ^2/NDF:8209.6/40

Out: 5.441+/-0.323 χ^2/NDF:13637.9/43

All: 3.633+/-0.233 χ^2/NDF: 21913.4/84



Right In: 1.000+/-0.677 χ^2/NDF: 200.4/17

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: 0.586+/-0.645 χ^2/NDF: 156.8/19

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

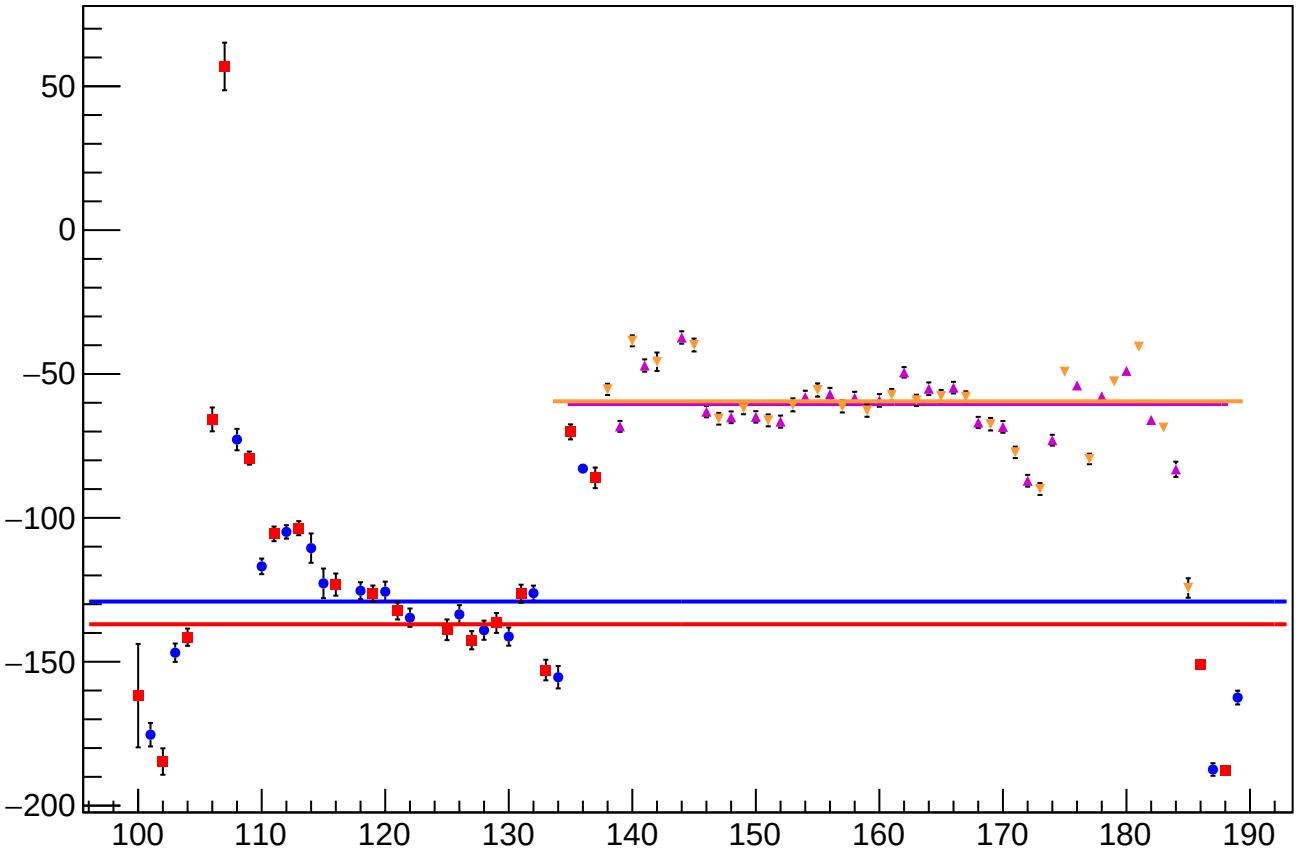
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: 0.783+/-0.467 χ^2/NDF: 357.3/37

In: 4.241+/-0.284 χ^2/NDF:916.6/40

Out: 3.980+/-0.277 χ^2/NDF:984.4/43

All: 4.107+/-0.198 χ^2/NDF: 1901.4/84



Right In: -129.074+/-0.685 χ^2/NDF: 2208.9/17

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -136.975+/-0.584 χ^2/NDF: 4701.1/19

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

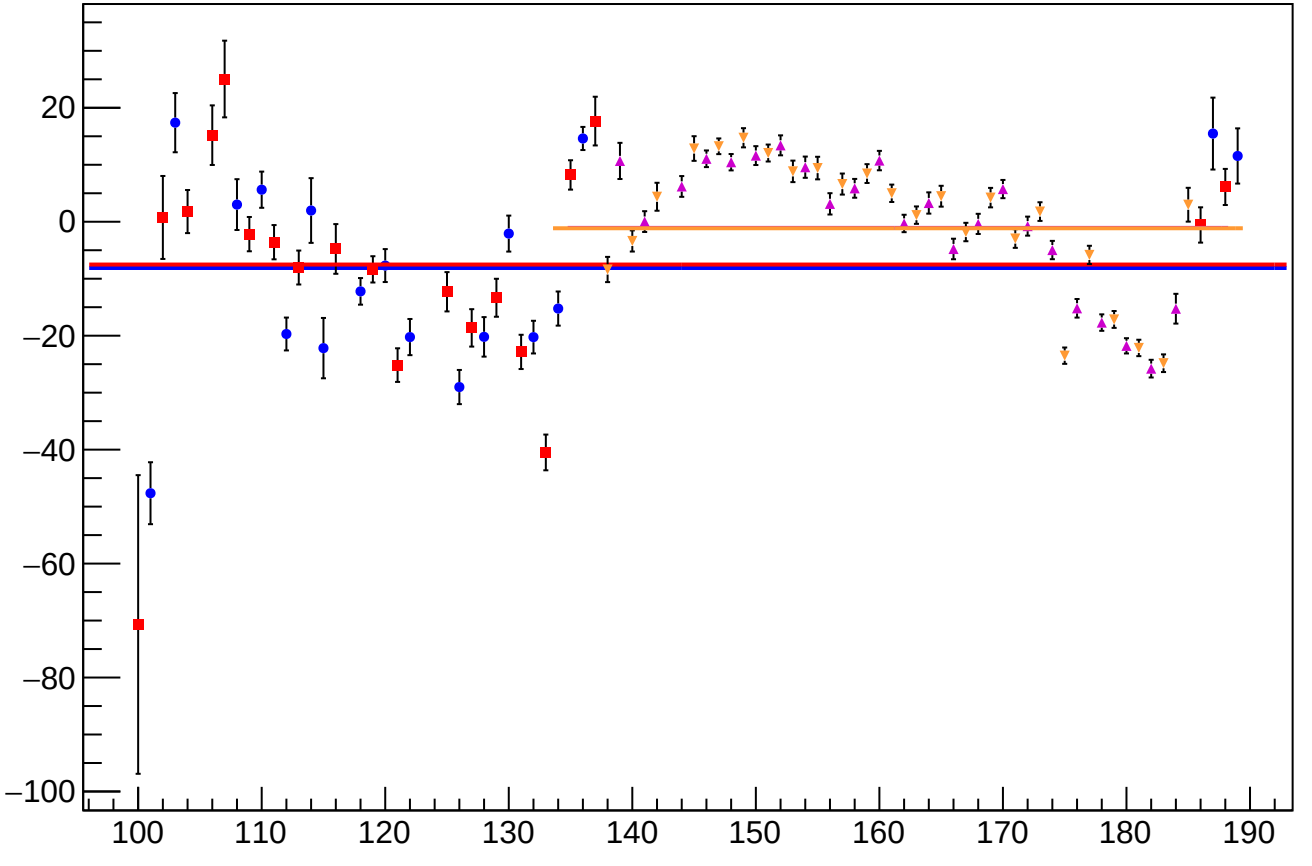
Right: -133.652+/-0.445 χ^2/NDF: 6987.0/37

In: -77.838+/-0.345 χ^2/NDF:10361.1/40

Out: -83.796+/-0.327 χ^2/NDF:18155.1/43

All: -80.976+/-0.237 χ^2/NDF: 28673.2/84

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -8.117+/-0.779 χ^2/NDF: 389.7/17

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -7.512+/-0.761 χ^2/NDF: 345.1/19

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

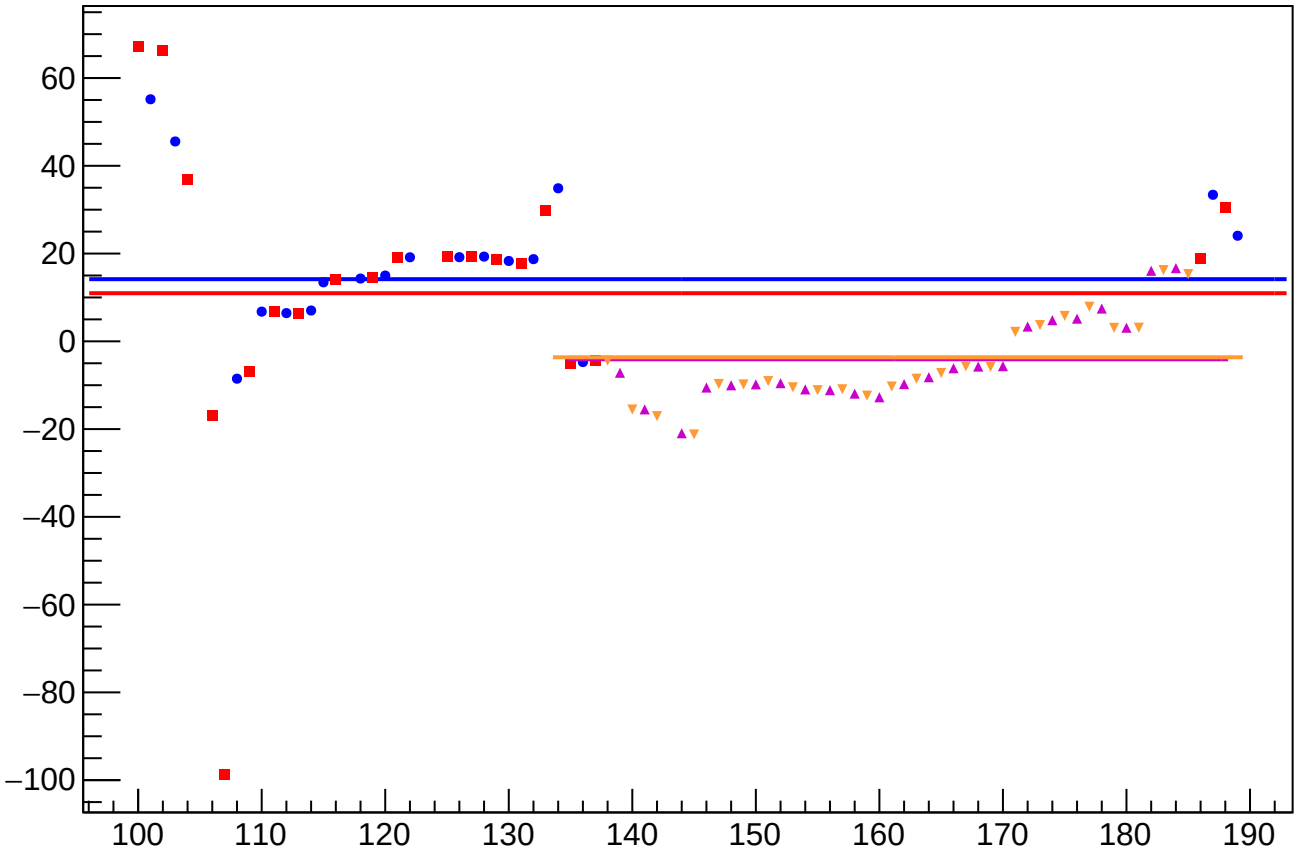
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -7.807+/-0.544 χ^2/NDF: 735.1/37

In: -2.273+/-0.321 χ^2/NDF:1614.9/40

Out: -2.233+/-0.315 χ^2/NDF:1706.1/43

All: -2.253+/-0.225 χ^2/NDF: 3320.9/84



Right In: 14.163+/-0.044 χ^2/NDF: 189065.6/17

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 10.962+/-0.045 χ^2/NDF: 308544.4/19

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

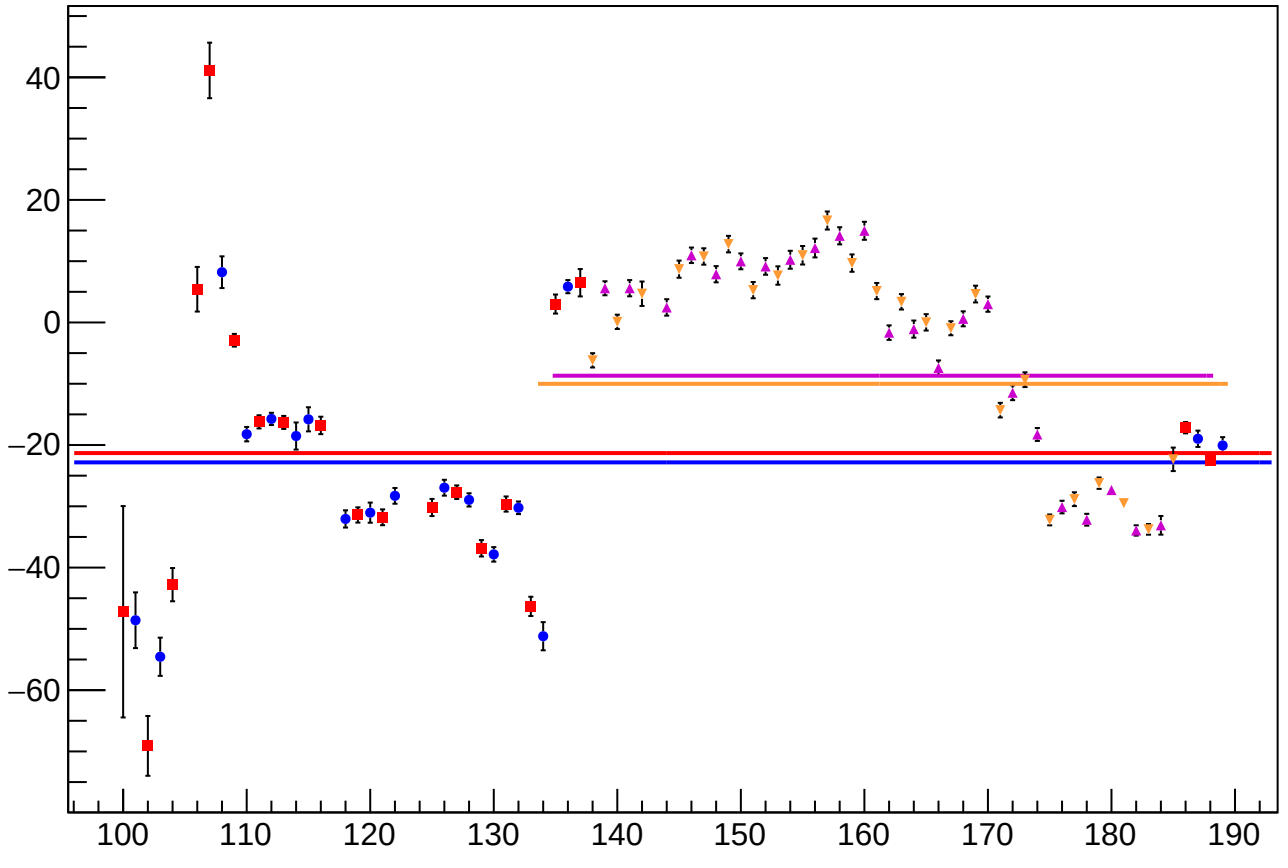
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 12.583+/-0.031 χ^2/NDF: 500224.3/37

In: -2.067+/-0.015 χ^2/NDF:675519.5/40

Out: -2.072+/-0.015 χ^2/NDF:750241.5/43

All: -2.069+/-0.010 χ^2/NDF: 1425761.0/84



Right In: -22.831+/-0.329 χ^2/NDF: 1582.0/17

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -21.314+/-0.299 χ^2/NDF: 1837.2/19

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

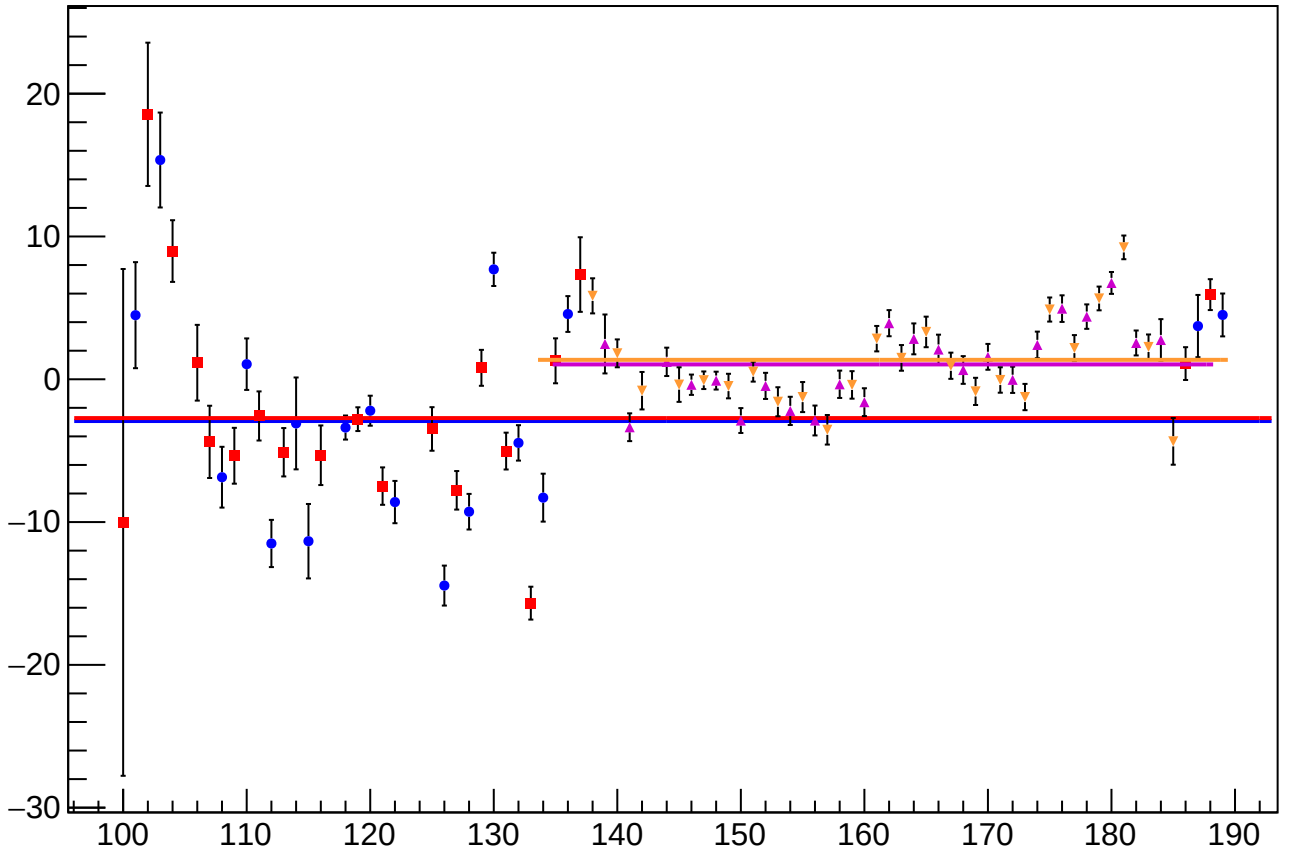
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.002+/-0.221 χ^2/NDF: 3430.9/37

In: -13.808+/-0.198 χ^2/NDF:7784.0/40

Out: -14.529+/-0.189 χ^2/NDF:7669.7/43

All: -14.185+/-0.137 χ^2/NDF: 15460.6/84



Right In: -2.924+/-0.348 χ^2/NDF: 353.4/17

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.718+/-0.335 χ^2/NDF: 317.0/19

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

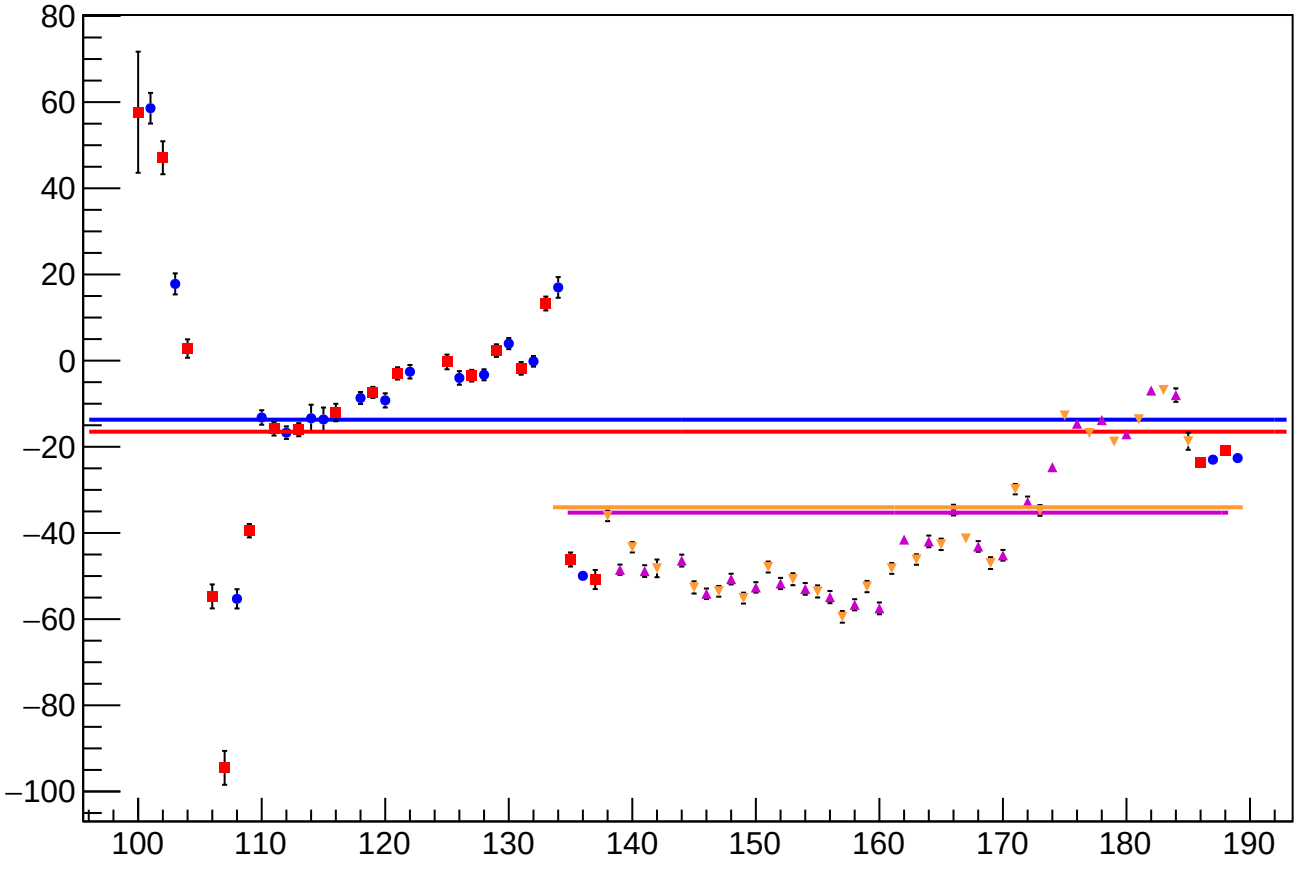
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -2.817+/-0.241 χ^2/NDF: 670.6/37

In: 0.113+/-0.168 χ^2/NDF:648.9/40

Out: 0.383+/-0.164 χ^2/NDF:669.8/43

All: 0.251+/-0.118 χ^2/NDF: 1320.1/84



Right In: -13.705+/-0.362 χ^2/NDF: 2825.3/17

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.491+/-0.312 χ^2/NDF: 2840.8/19

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

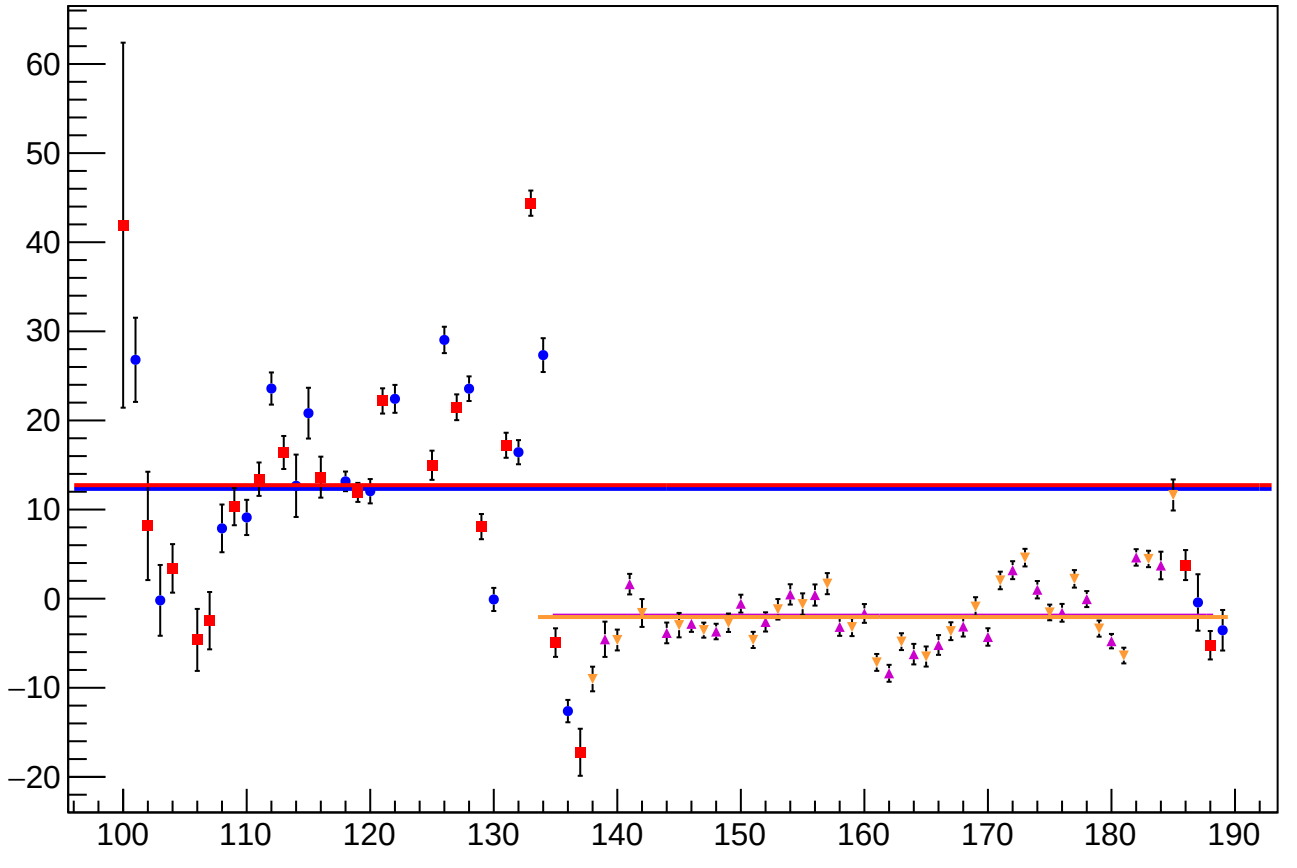
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -15.303+/-0.236 χ^2/NDF: 5700.1/37

In: -28.481+/-0.203 χ^2/NDF:10260.8/40

Out: -27.425+/-0.191 χ^2/NDF:9778.3/43

All: -27.922+/-0.139 χ^2/NDF: 20053.5/84



Right In: 12.321+/-0.405 χ^2/NDF: 931.4/17

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 12.738+/-0.397 χ^2/NDF: 1077.0/19

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

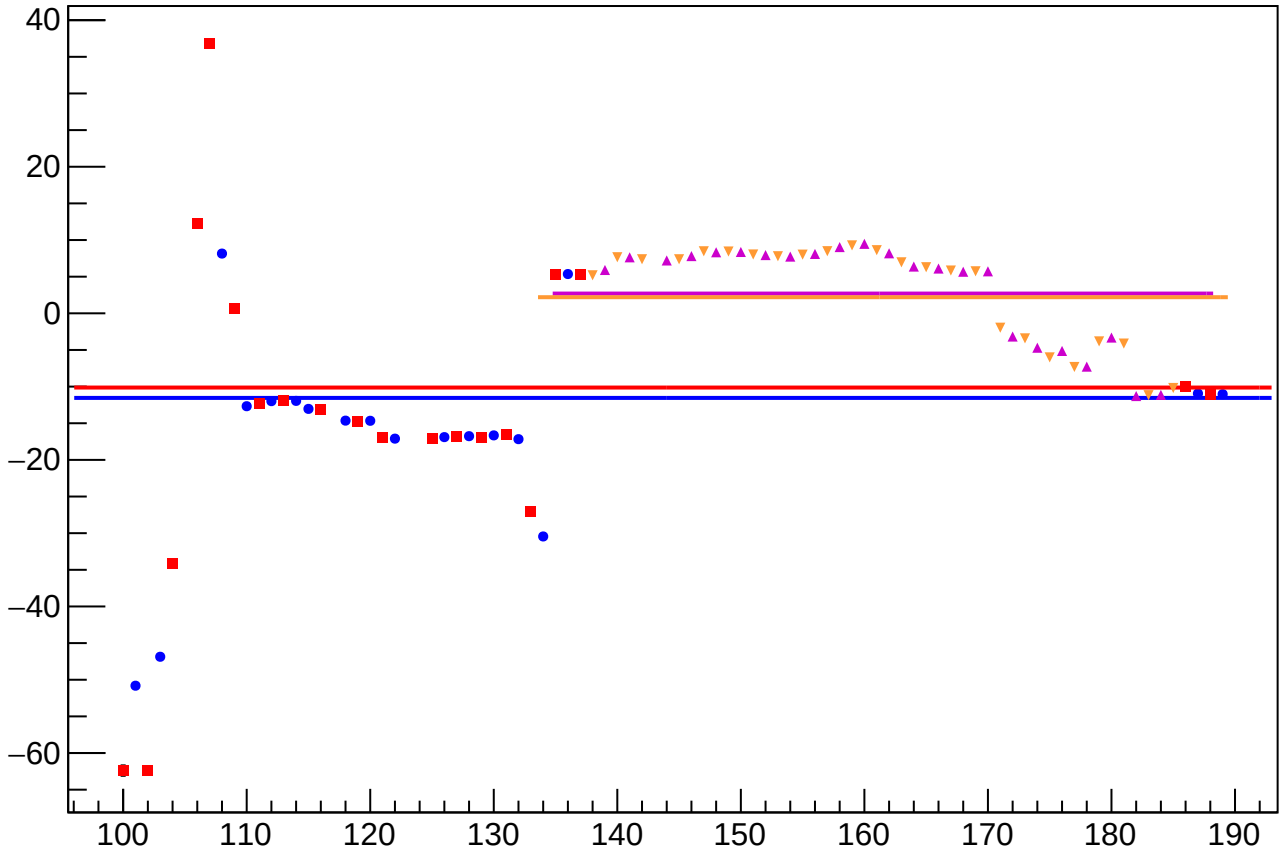
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 12.533+/-0.283 χ^2/NDF: 2009.0/37

In: 1.254+/-0.191 χ^2/NDF:2115.0/40

Out: 1.229+/-0.187 χ^2/NDF:2490.6/43

All: 1.241+/-0.134 χ^2/NDF: 4605.6/84



Right In: -11.542+/-0.025 χ^2/NDF: 360568.6/17

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.129+/-0.025 χ^2/NDF: 396463.4/19

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

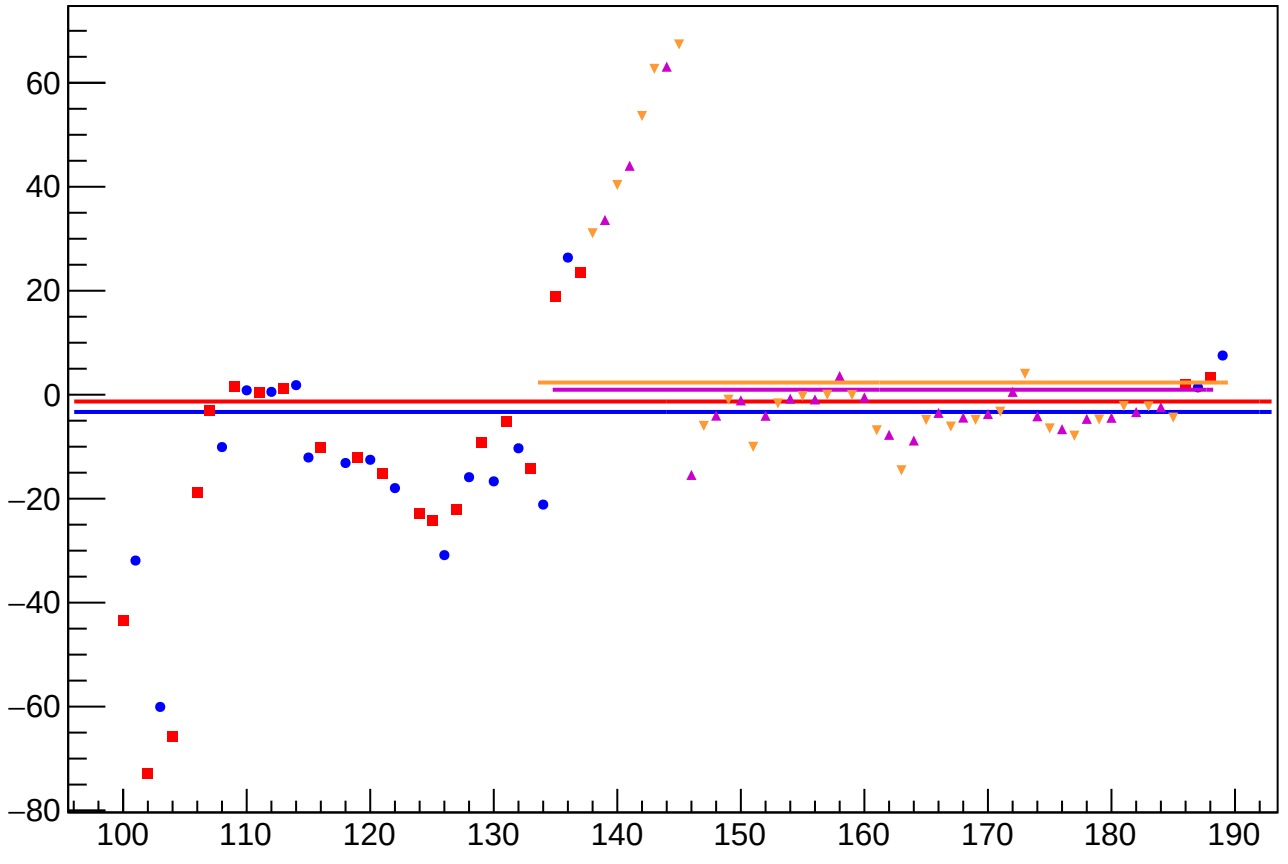
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -10.840+/-0.018 χ^2/NDF: 758610.8/37

In: 0.890+/-0.009 χ^2/NDF:1140870.0/40

Out: 0.669+/-0.009 χ^2/NDF:1113975.1/43

All: 0.779+/-0.006 χ^2/NDF: 2255151.6/84



Right In: -3.321+/-0.052 χ^2/NDF: 78022.2/17

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -1.308+/-0.041 χ^2/NDF: 83506.1/20

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

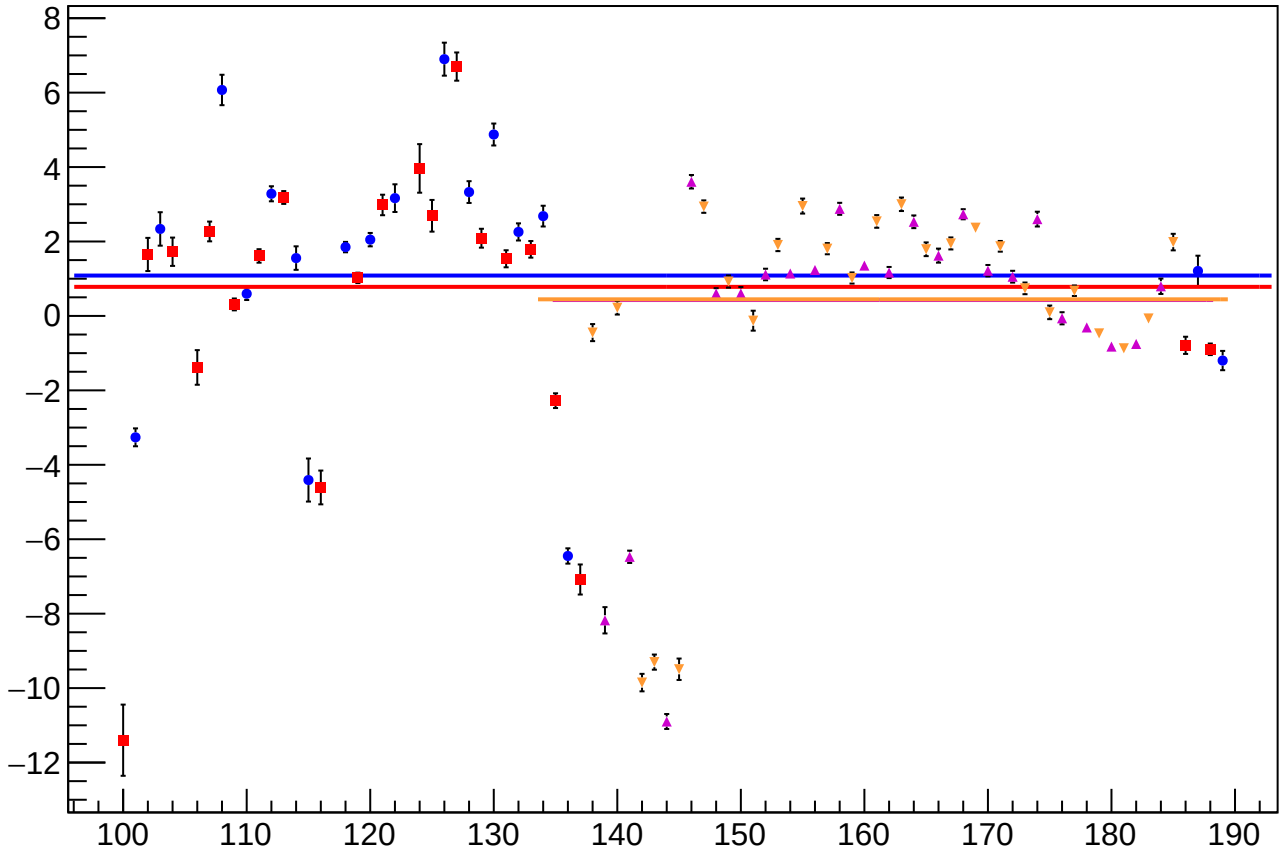
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: -2.085+/-0.032 χ^2/NDF: 162446.4/38

In: -0.627+/-0.032 χ^2/NDF:214792.8/40

Out: 0.562+/-0.029 χ^2/NDF:264497.6/45

All: 0.024+/-0.021 χ^2/NDF: 480060.8/86



Right In: 1.085+/-0.058 χ^2/NDF: 2666.2/17

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.781+/-0.052 χ^2/NDF: 1782.7/20

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

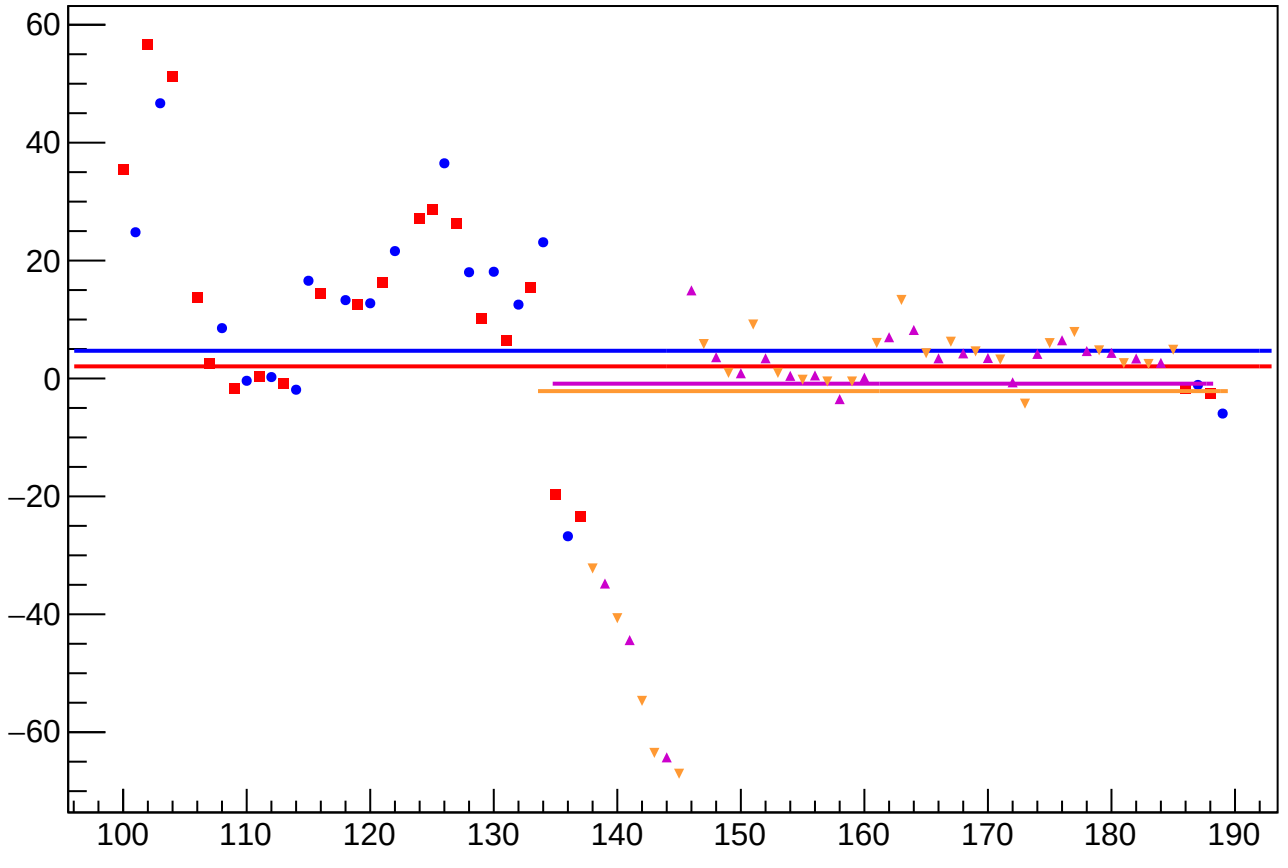
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.917+/-0.039 χ^2/NDF: 4463.9/38

In: 0.575+/-0.028 χ^2/NDF:9867.1/40

Out: 0.541+/-0.028 χ^2/NDF:8856.4/45

All: 0.558+/-0.020 χ^2/NDF: 18724.3/86



Right In: 4.700+/-0.059 χ^2/NDF: 75123.3/17

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 2.054+/-0.046 χ^2/NDF: 81073.5/20

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

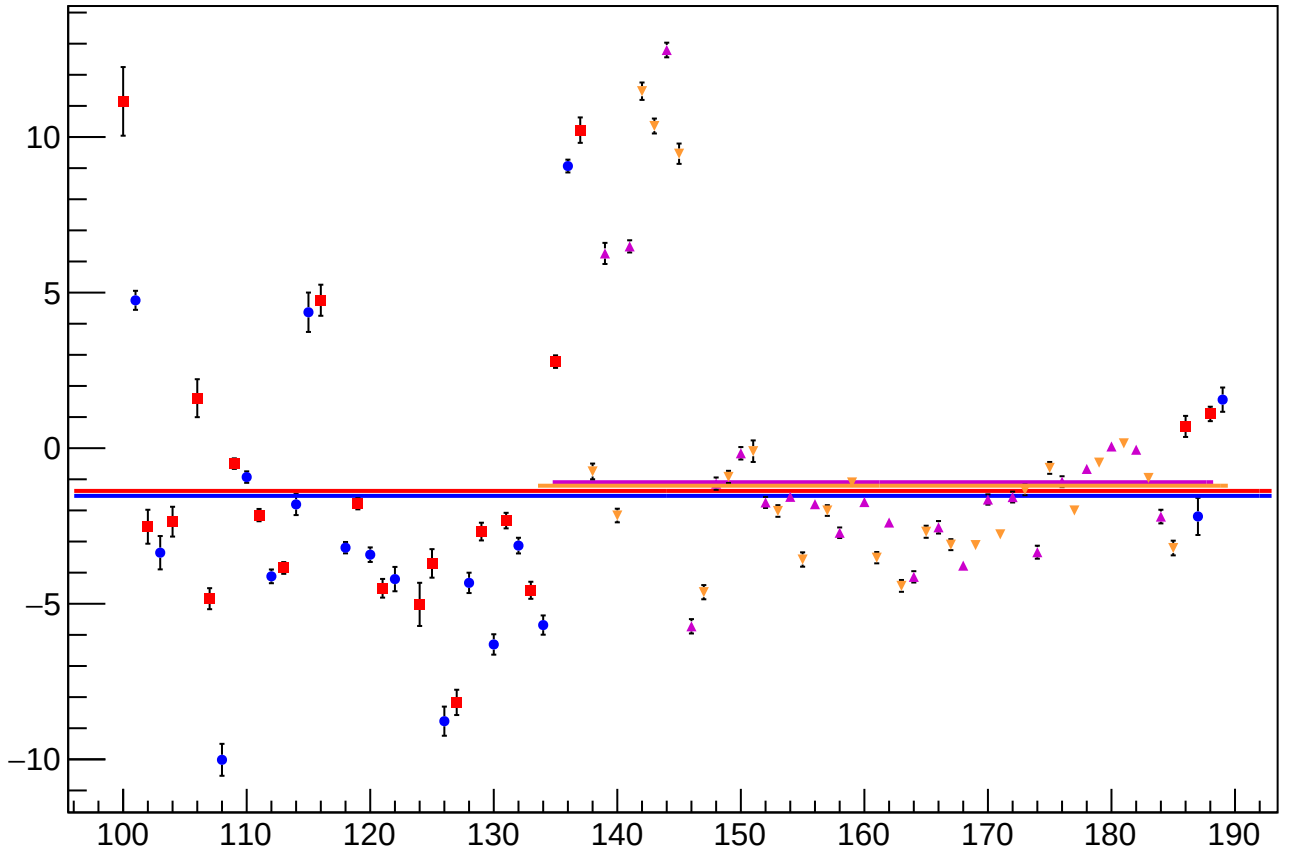
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 3.056+/-0.036 χ^2/NDF: 157434.8/38

In: 0.826+/-0.033 χ^2/NDF:210474.3/40

Out: -0.335+/-0.030 χ^2/NDF:257026.4/45

All: 0.201+/-0.022 χ^2/NDF: 468175.7/86



Right In: -1.532+/-0.068 χ^2/NDF: 4590.9/17

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -1.373+/-0.061 χ^2/NDF: 2630.6/20

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

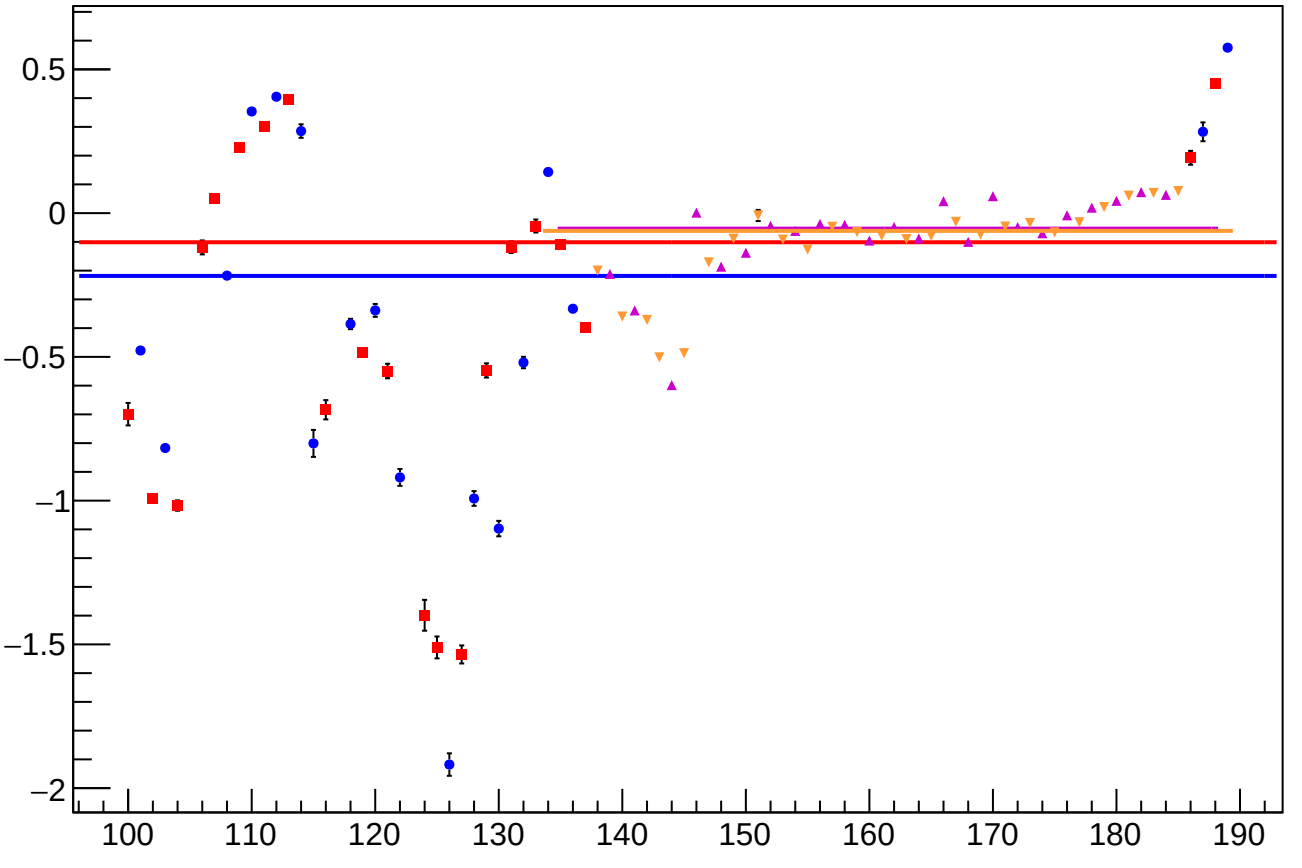
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -1.444+/-0.045 χ^2/NDF: 7224.5/38

In: -1.185+/-0.031 χ^2/NDF:11653.0/40

Out: -1.249+/-0.031 χ^2/NDF:9639.1/45

All: -1.217+/-0.022 χ^2/NDF: 21294.3/86



Right In: -0.218+/-0.004 χ^2/NDF: 14531.0/17

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.101+/-0.004 χ^2/NDF: 18054.7/20

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

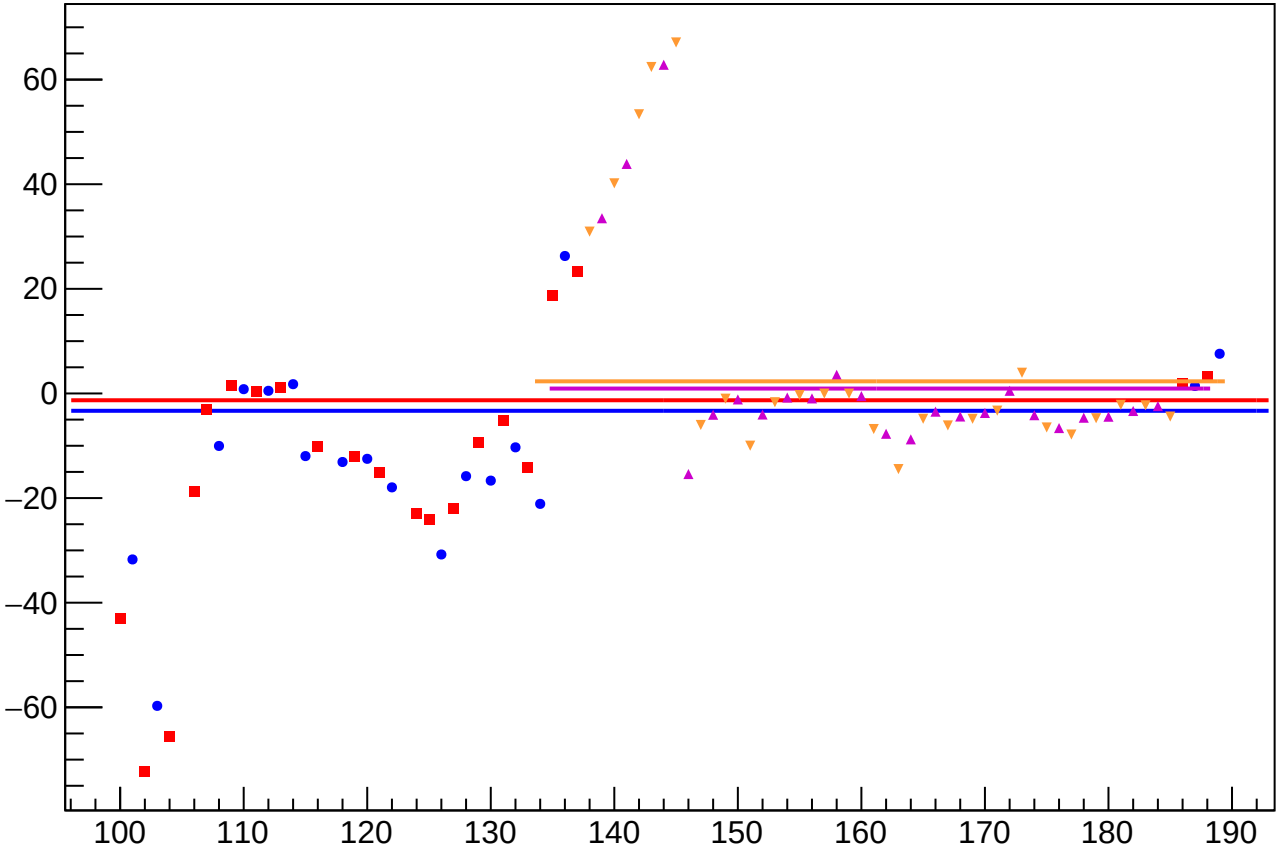
Right: -0.153+/-0.003 χ^2/NDF: 33060.1/38

In: -0.074+/-0.001 χ^2/NDF:21038.3/40

Out: -0.068+/-0.001 χ^2/NDF:23869.0/45

All: -0.071+/-0.001 χ^2/NDF: 44915.4/86

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.315+/-0.052 χ^2/NDF: 78044.8/17

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -1.301+/-0.041 χ^2/NDF: 83463.4/20

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

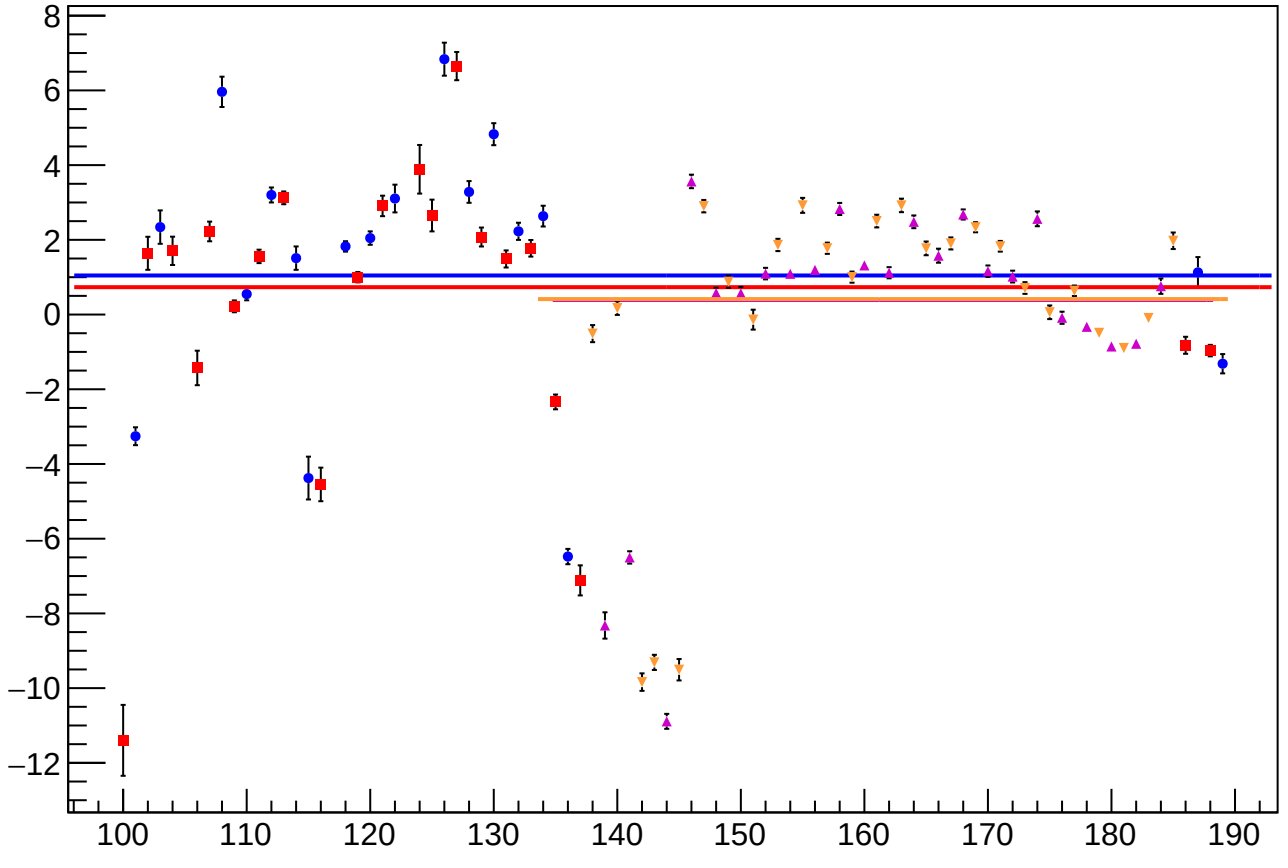
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -2.076+/-0.032 χ^2/NDF: 162439.3/38

In: -0.645+/-0.032 χ^2/NDF:214685.6/40

Out: 0.546+/-0.029 χ^2/NDF:264191.4/45

All: 0.008+/-0.021 χ^2/NDF: 479656.7/86



Right In: 1.046+/-0.058 χ^2/NDF: 2672.7/17

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.733+/-0.052 χ^2/NDF: 1798.9/20

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

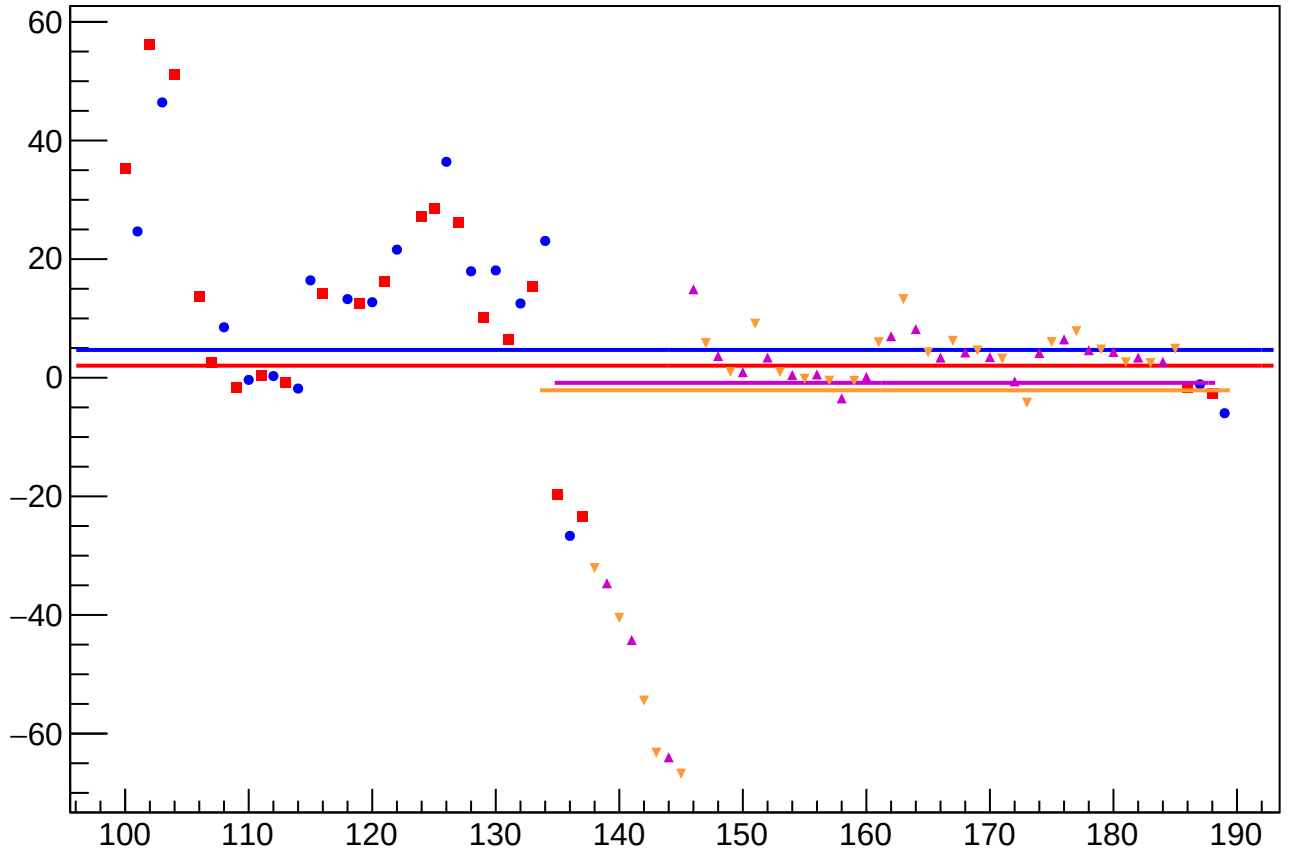
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.872+/-0.039 χ^2/NDF: 4487.8/38

In: 0.538+/-0.028 χ^2/NDF:9886.3/40

Out: 0.504+/-0.028 χ^2/NDF:8873.1/45

All: 0.521+/-0.020 χ^2/NDF: 18760.1/86



Right In: 4.690+/-0.059 χ^2/NDF: 75137.4/17

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 2.035+/-0.046 χ^2/NDF: 81041.9/20

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

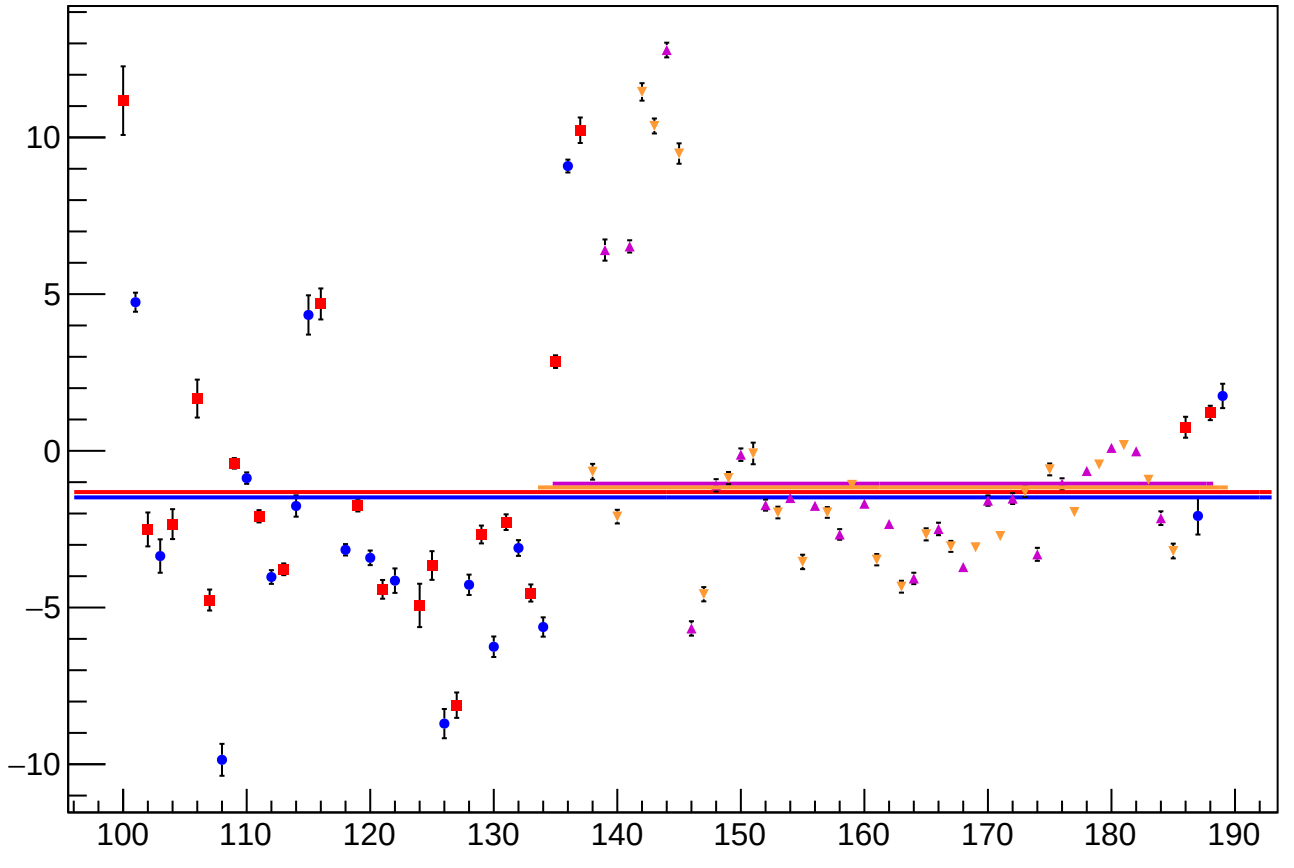
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 3.037+/-0.036 χ^2/NDF: 157441.3/38

In: 0.844+/-0.033 χ^2/NDF:210358.8/40

Out: -0.320+/-0.030 χ^2/NDF:256725.1/45

All: 0.217+/-0.022 χ^2/NDF: 467768.9/86



Right In: -1.485+/-0.068 χ^2/NDF: 4596.5/17

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.315+/-0.061 χ^2/NDF: 2649.6/20

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

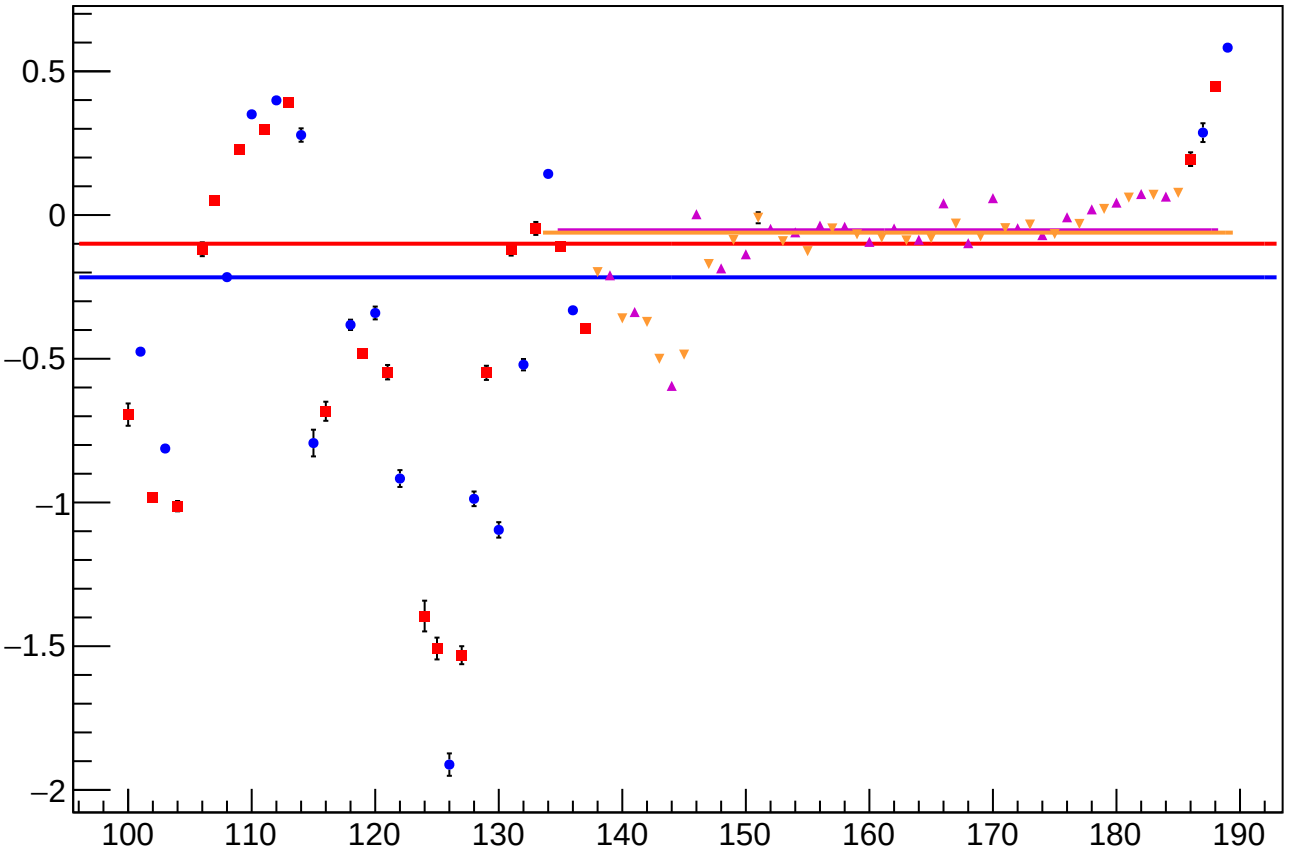
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -1.391+/-0.045 χ^2/NDF: 7249.5/38

In: -1.139+/-0.031 χ^2/NDF:11670.2/40

Out: -1.206+/-0.031 χ^2/NDF:9655.3/45

All: -1.172+/-0.022 χ^2/NDF: 21327.8/86



Right In: -0.217+/-0.004 χ^2/NDF: 14571.0/17

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.100+/-0.004 χ^2/NDF: 18093.5/20

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

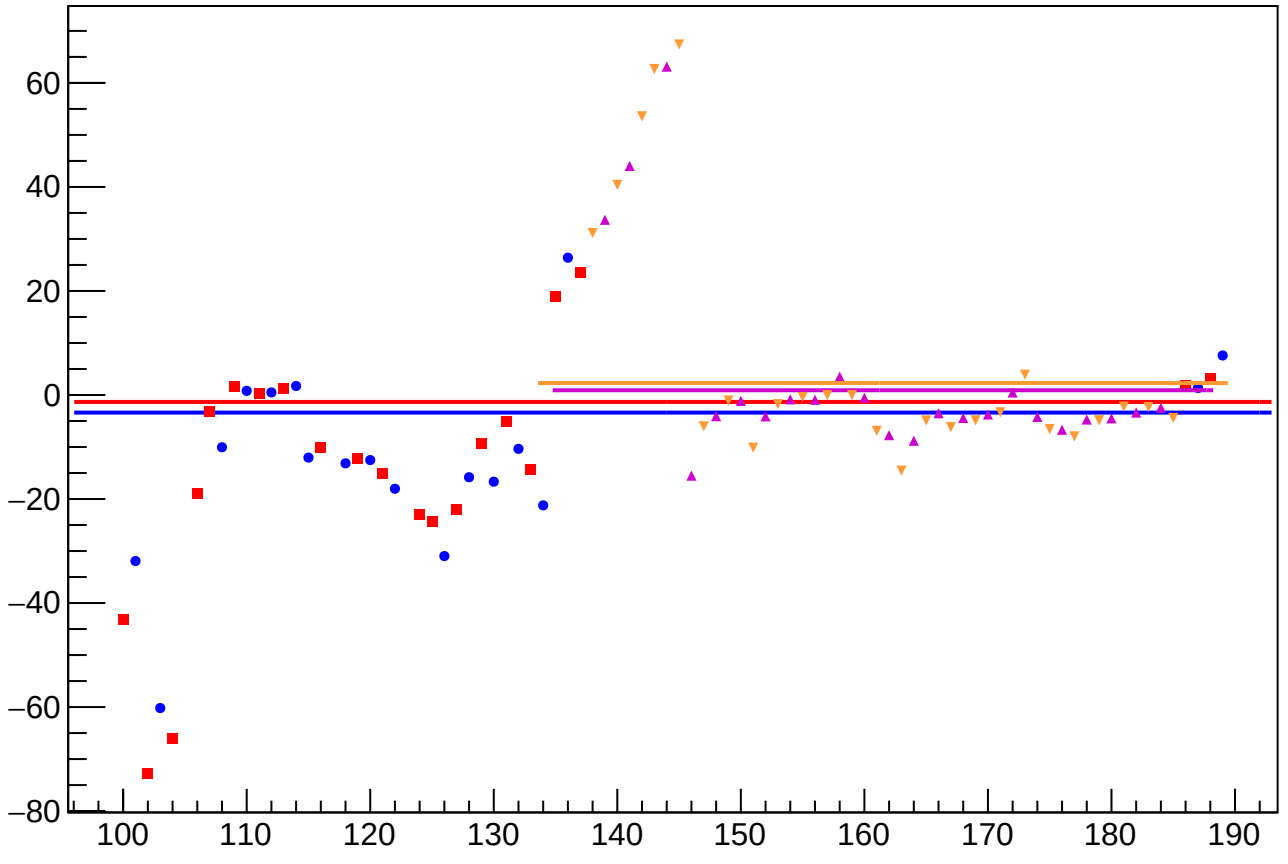
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: -0.152+/-0.003 χ^2/NDF: 33142.8/38

In: -0.073+/-0.001 χ^2/NDF:21053.3/40

Out: -0.068+/-0.001 χ^2/NDF:23920.8/45

All: -0.070+/-0.001 χ^2/NDF: 44981.7/86



Right In: -3.383+/-0.052 χ^2/NDF: 78028.5/17

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -1.337+/-0.041 χ^2/NDF: 83494.8/20

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

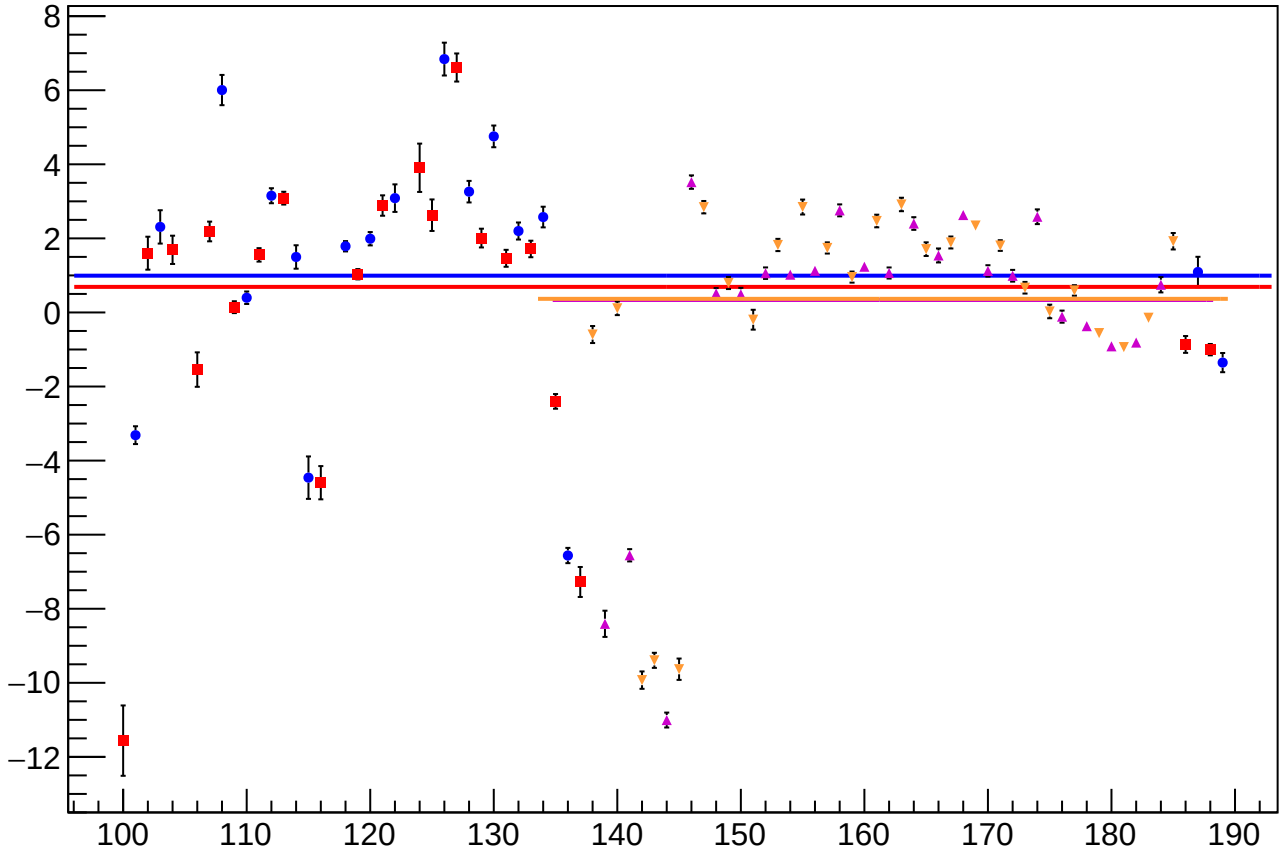
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -2.124+/-0.032 χ^2/NDF: 162472.2/38

In: -0.679+/-0.032 χ^2/NDF:214881.1/40

Out: 0.519+/-0.029 χ^2/NDF:264655.0/45

All: -0.022+/-0.021 χ^2/NDF: 480318.0/86



Right In: 0.993+/-0.058 χ^2/NDF: 2677.9/17

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.690+/-0.052 χ^2/NDF: 1814.8/20

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

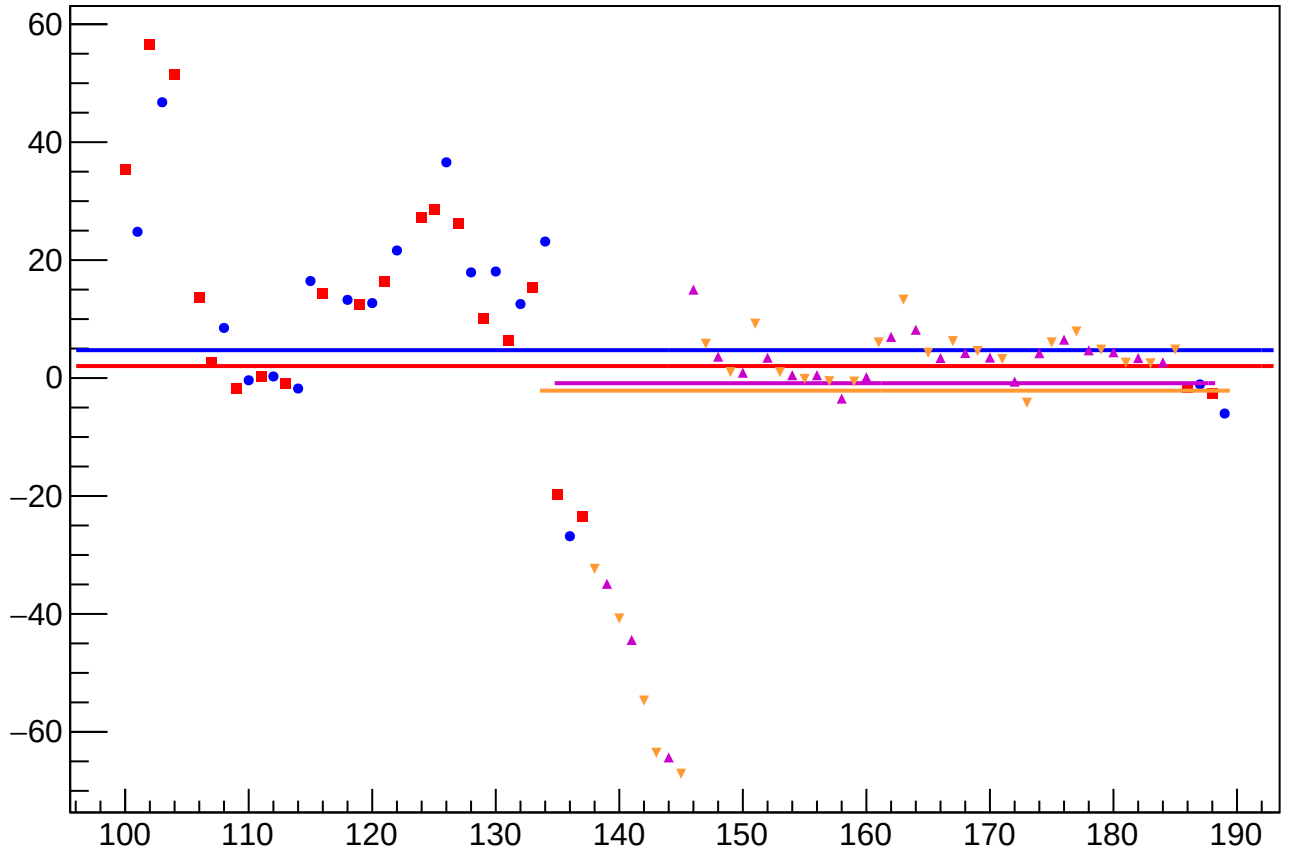
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.825+/-0.039 χ^2/NDF: 4507.7/38

In: 0.485+/-0.028 χ^2/NDF:9870.5/40

Out: 0.459+/-0.028 χ^2/NDF:8910.1/45

All: 0.472+/-0.020 χ^2/NDF: 18781.1/86



Right In: 4.728+/-0.059 χ^2/NDF: 75138.0/17

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 2.033+/-0.046 χ^2/NDF: 81108.9/20

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

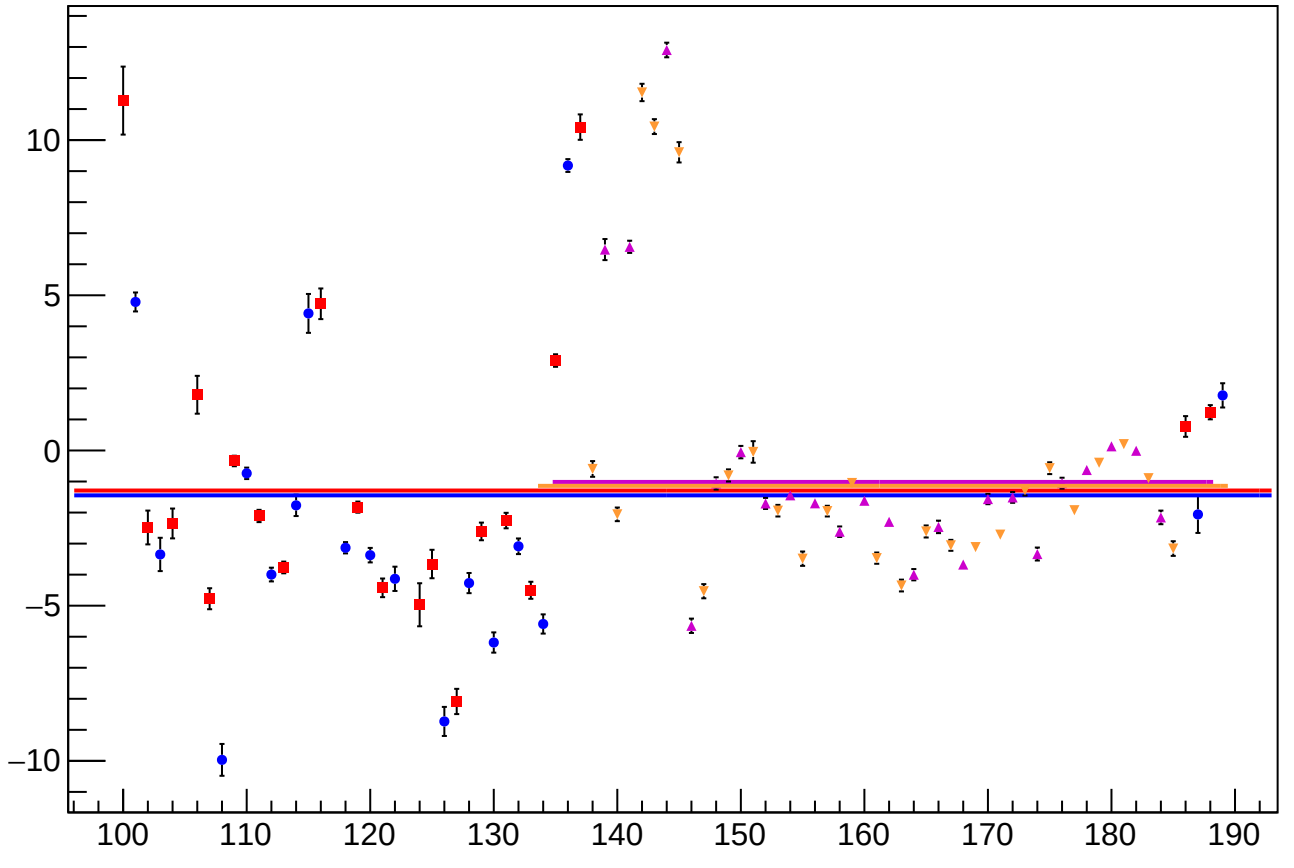
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: 3.047+/-0.036 χ^2/NDF: 157535.4/38

In: 0.843+/-0.033 χ^2/NDF:210589.4/40

Out: -0.327+/-0.030 χ^2/NDF:257211.5/45

All: 0.212+/-0.022 χ^2/NDF: 468486.2/86



Right In: -1.446+/-0.068 χ^2/NDF: 4606.8/17

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.290+/-0.061 χ^2/NDF: 2674.6/20

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

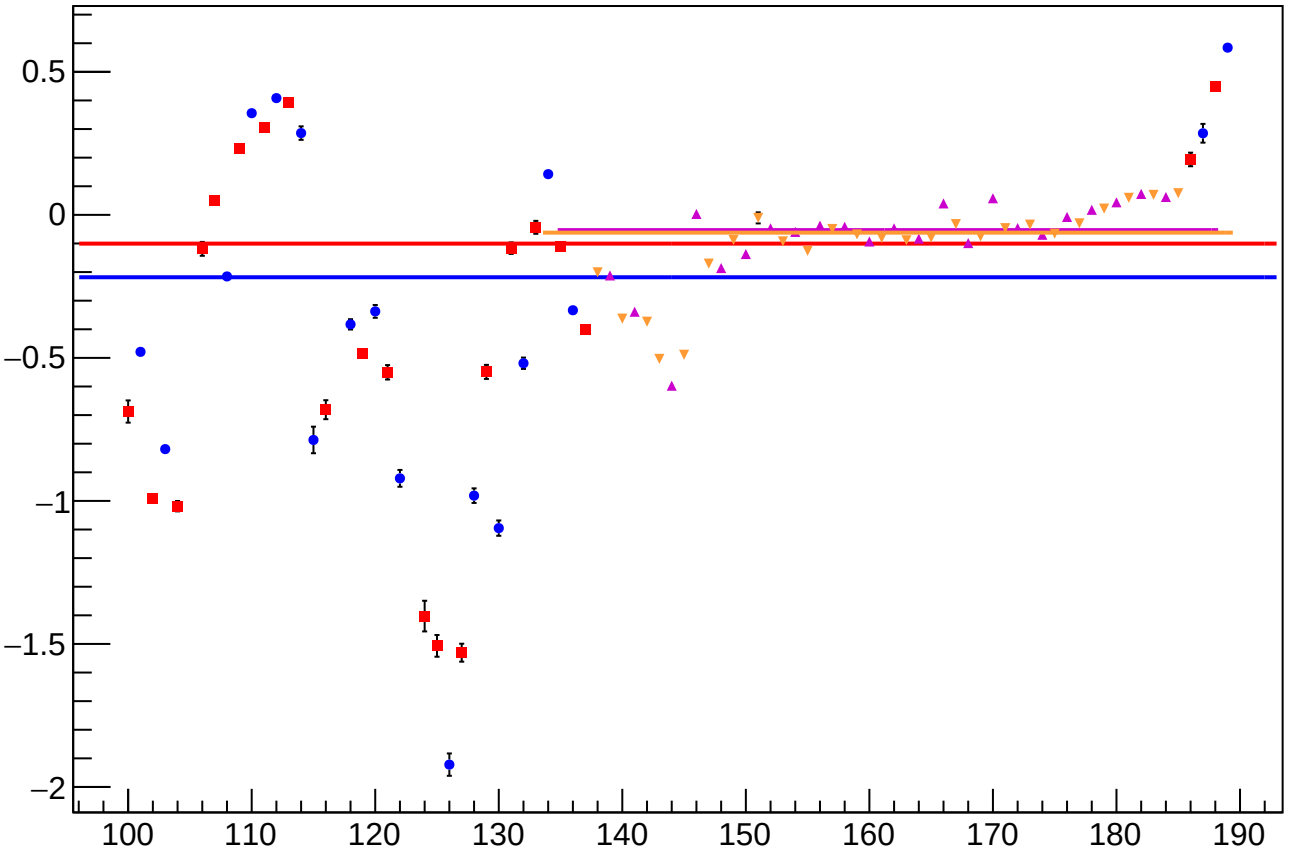
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -1.360+/-0.045 χ^2/NDF: 7284.4/38

In: -1.103+/-0.031 χ^2/NDF:11666.1/40

Out: -1.179+/-0.031 χ^2/NDF:9702.0/45

All: -1.141+/-0.022 χ^2/NDF: 21371.0/86



Right In: -0.218+/-0.004 χ^2/NDF: 14597.4/17

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: -0.101+/-0.004 χ^2/NDF: 18076.1/20

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

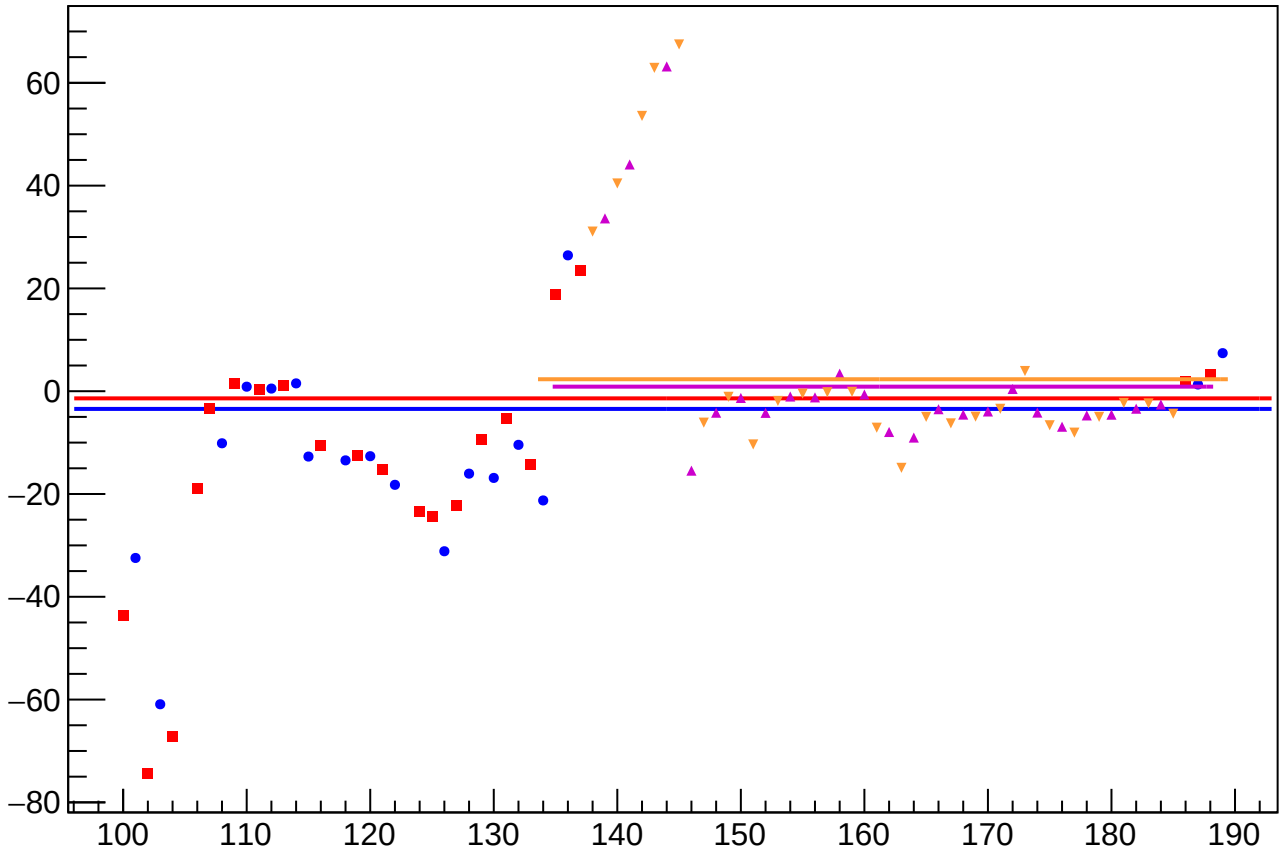
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: -0.153+/-0.003 χ^2/NDF: 33151.9/38

In: -0.073+/-0.001 χ^2/NDF:21071.9/40

Out: -0.068+/-0.001 χ^2/NDF:23908.4/45

All: -0.071+/-0.001 χ^2/NDF: 44986.3/86



Right In: -3.445+/-0.053 χ^2/NDF: 76968.6/17

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -1.393+/-0.042 χ^2/NDF: 82650.0/20

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

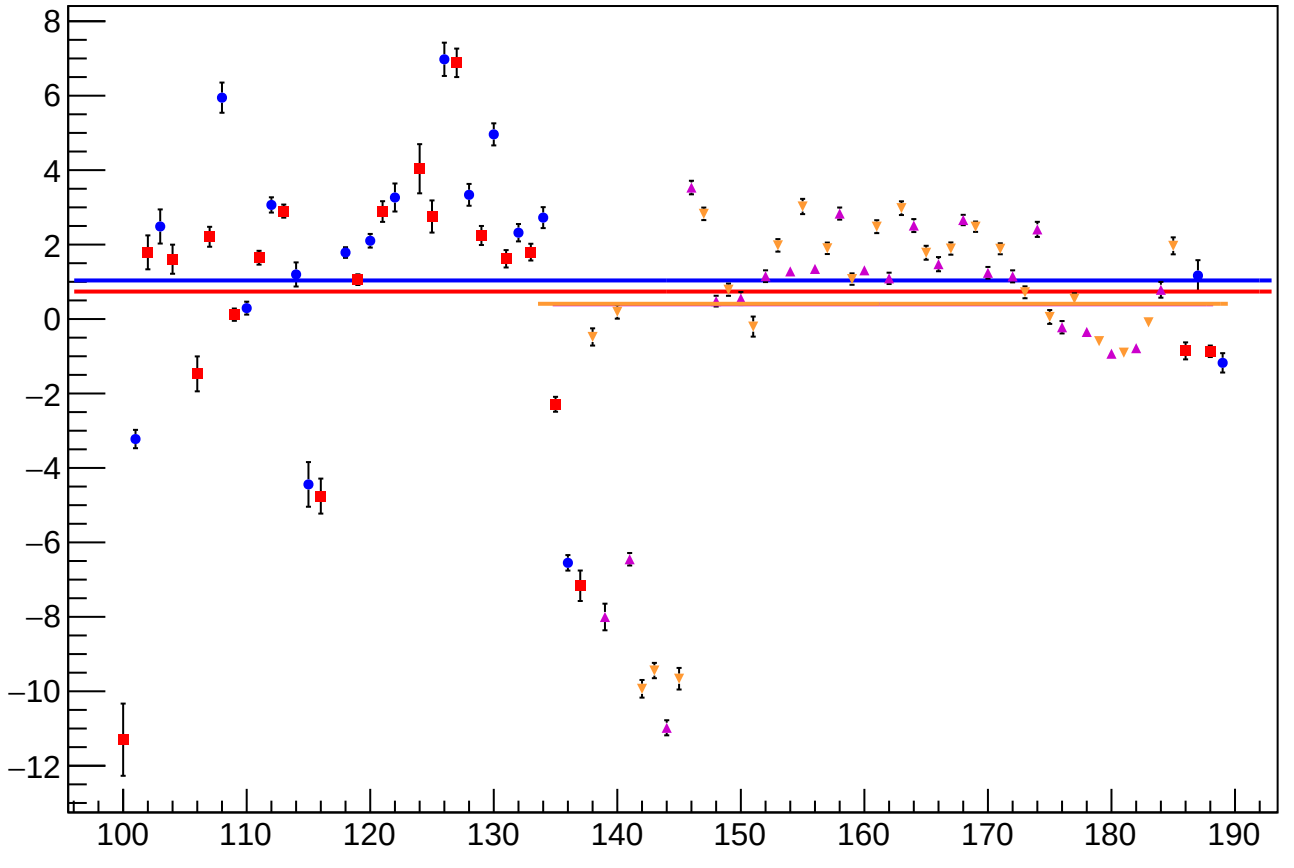
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: -2.184+/-0.033 χ^2/NDF: 160539.9/38

In: -0.723+/-0.032 χ^2/NDF:211583.7/40

Out: 0.508+/-0.029 χ^2/NDF:261314.7/45

All: -0.049+/-0.022 χ^2/NDF: 473693.2/86



Right In: 1.037+/-0.059 χ^2/NDF: 2626.4/17

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.738+/-0.053 χ^2/NDF: 1741.2/20

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

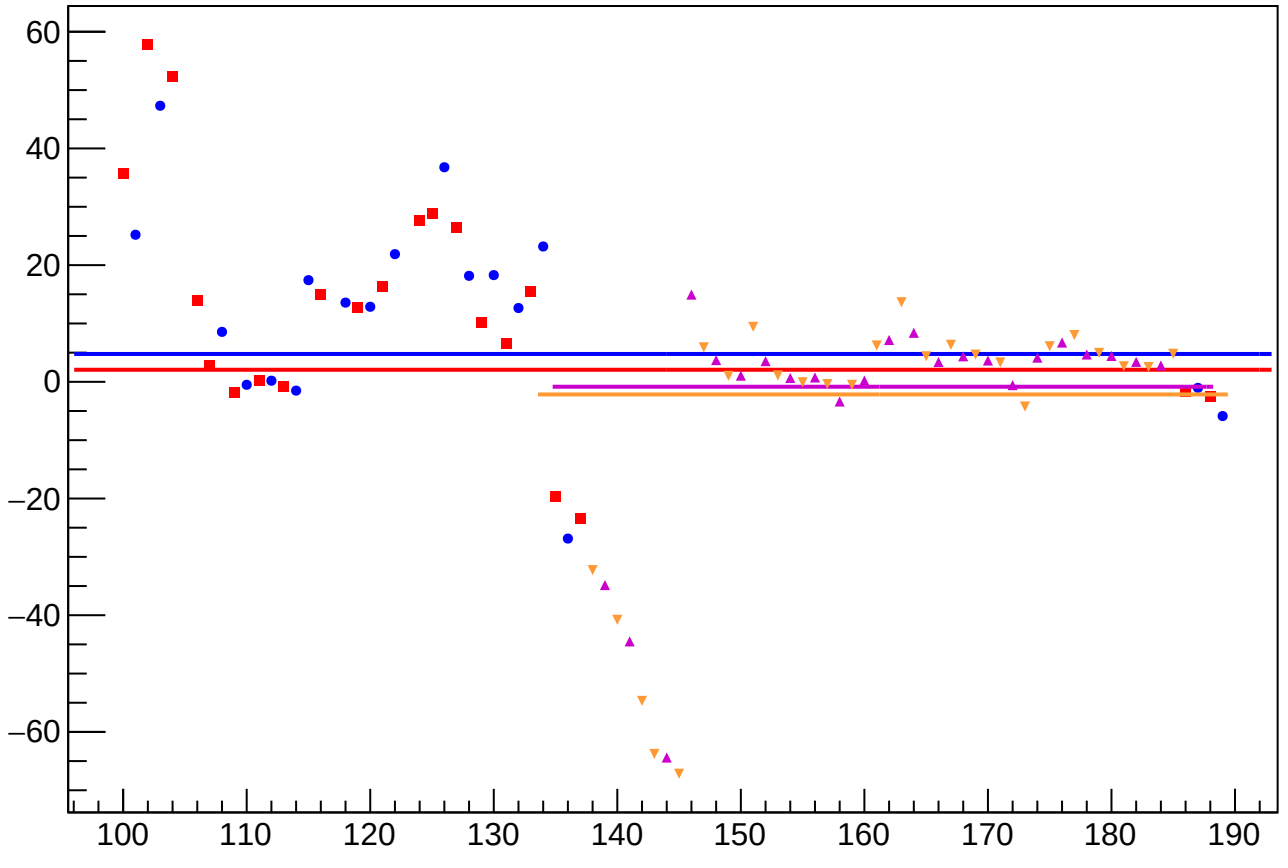
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.871+/-0.040 χ^2/NDF: 4381.7/38

In: 0.541+/-0.028 χ^2/NDF:9648.7/40

Out: 0.503+/-0.028 χ^2/NDF:8816.5/45

All: 0.522+/-0.020 χ^2/NDF: 18466.1/86



Right In: 4.774+/-0.060 χ^2/NDF: 74174.1/17

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 2.067+/-0.047 χ^2/NDF: 80309.5/20

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

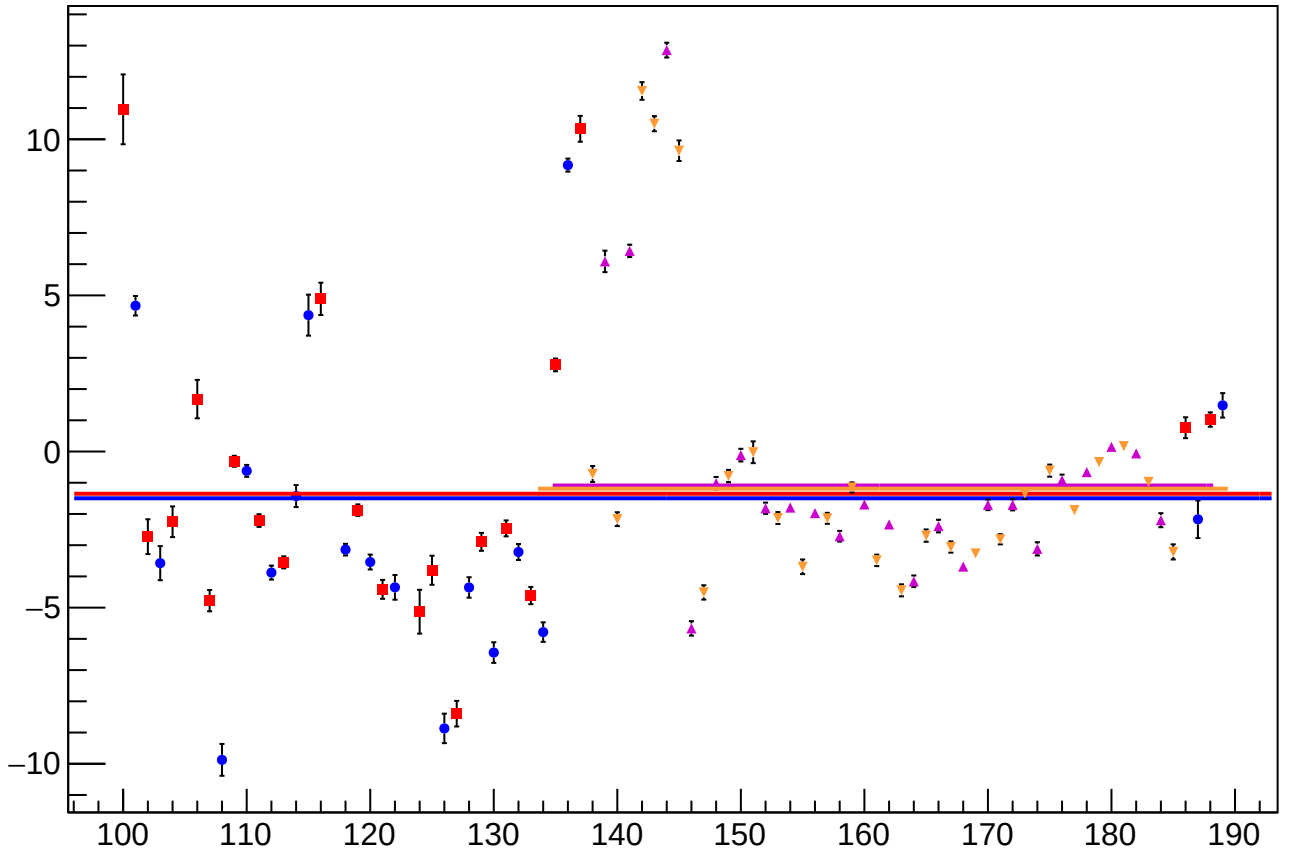
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 3.084+/-0.037 χ^2/NDF: 155745.1/38

In: 0.888+/-0.033 χ^2/NDF:207329.5/40

Out: -0.319+/-0.031 χ^2/NDF:253929.0/45

All: 0.236+/-0.023 χ^2/NDF: 461962.7/86



Right In: -1.498+/-0.069 χ^2/NDF: 4533.2/17

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.352+/-0.062 χ^2/NDF: 2586.0/20

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

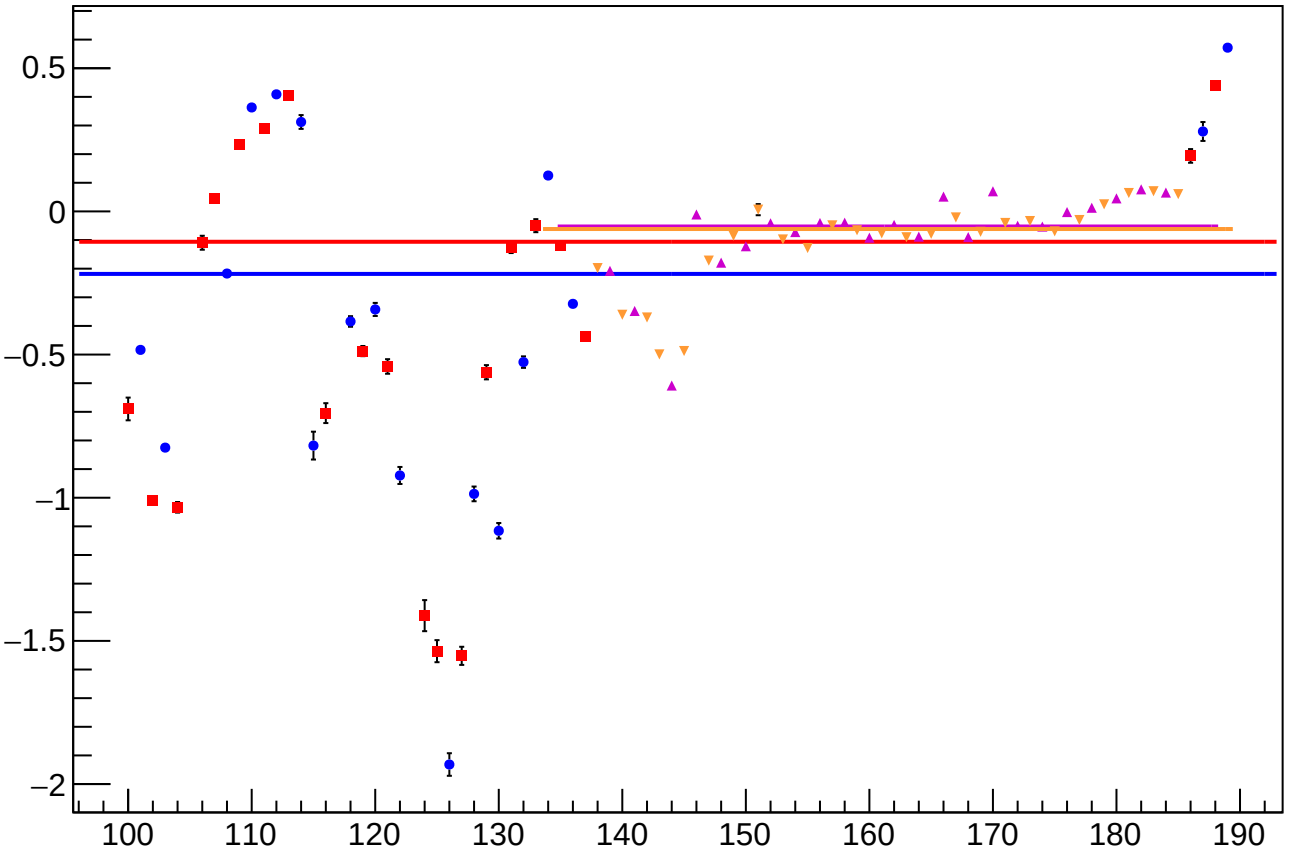
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -1.417+/-0.046 χ^2/NDF: 7121.7/38

In: -1.175+/-0.032 χ^2/NDF:11401.6/40

Out: -1.233+/-0.032 χ^2/NDF:9587.0/45

All: -1.204+/-0.022 χ^2/NDF: 20990.2/86



Right In: -0.218+/-0.004 χ^2/NDF: 14298.3/17

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: -0.106+/-0.004 χ^2/NDF: 17888.3/20

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

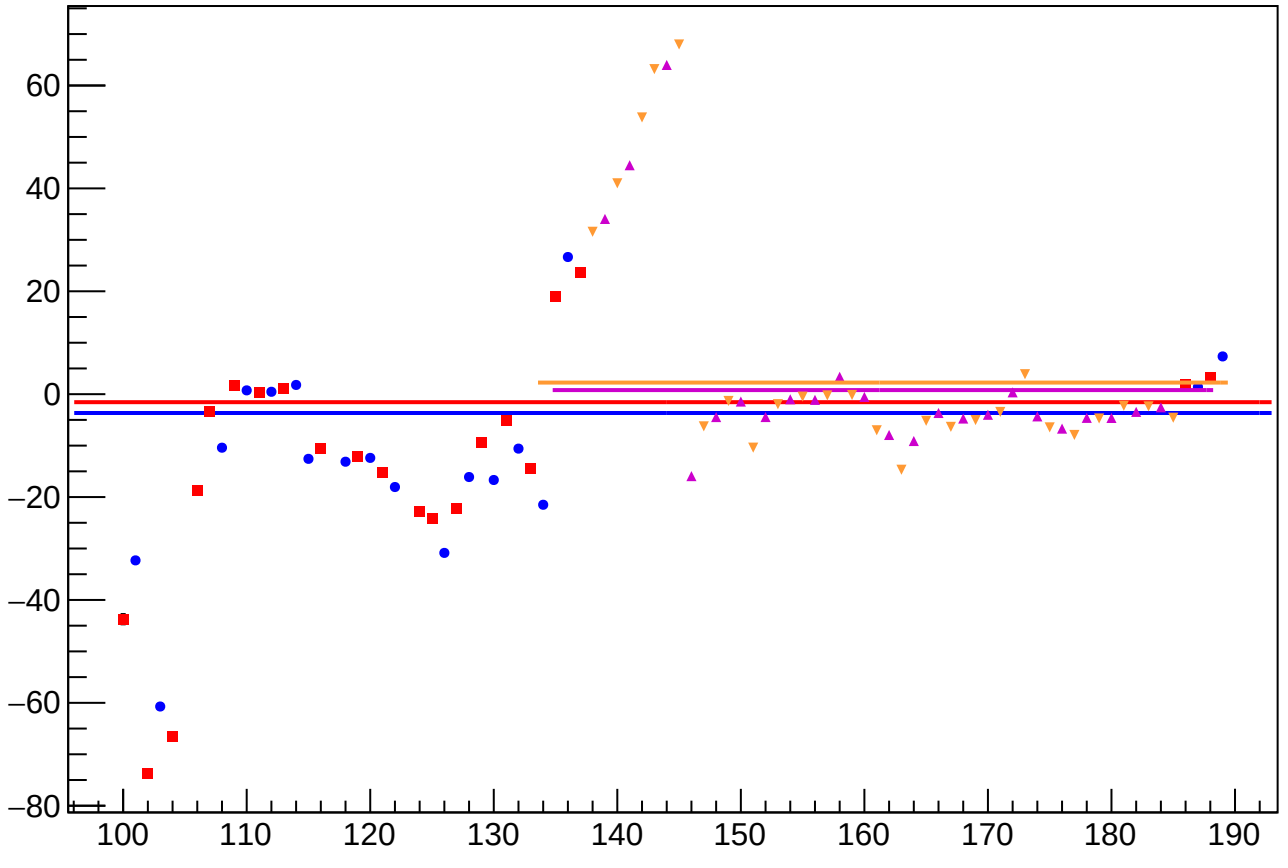
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: -0.156+/-0.003 χ^2/NDF: 32609.6/38

In: -0.073+/-0.001 χ^2/NDF:20783.9/40

Out: -0.069+/-0.001 χ^2/NDF:23577.1/45

All: -0.071+/-0.001 χ^2/NDF: 44365.2/86



Right In: -3.658+/-0.054 χ^2/NDF: 75485.0/17

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -1.556+/-0.043 χ^2/NDF: 80900.1/20

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

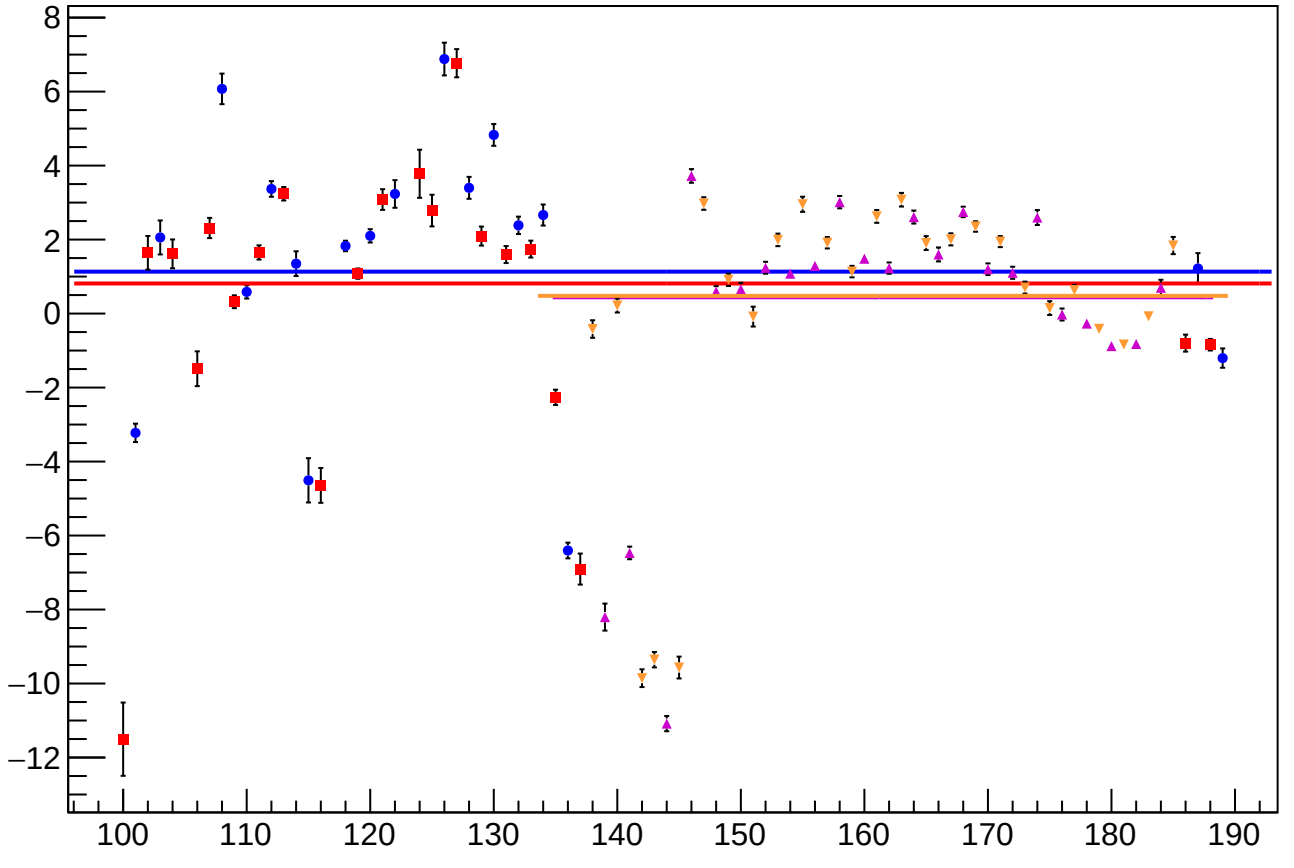
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -2.372+/-0.034 χ^2/NDF: 157313.8/38

In: -0.844+/-0.033 χ^2/NDF:208617.2/40

Out: 0.416+/-0.030 χ^2/NDF:256641.6/45

All: -0.157+/-0.022 χ^2/NDF: 466068.0/86



Right In: 1.133+/-0.060 χ^2/NDF: 2528.4/17

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.813+/-0.054 χ^2/NDF: 1686.2/20

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

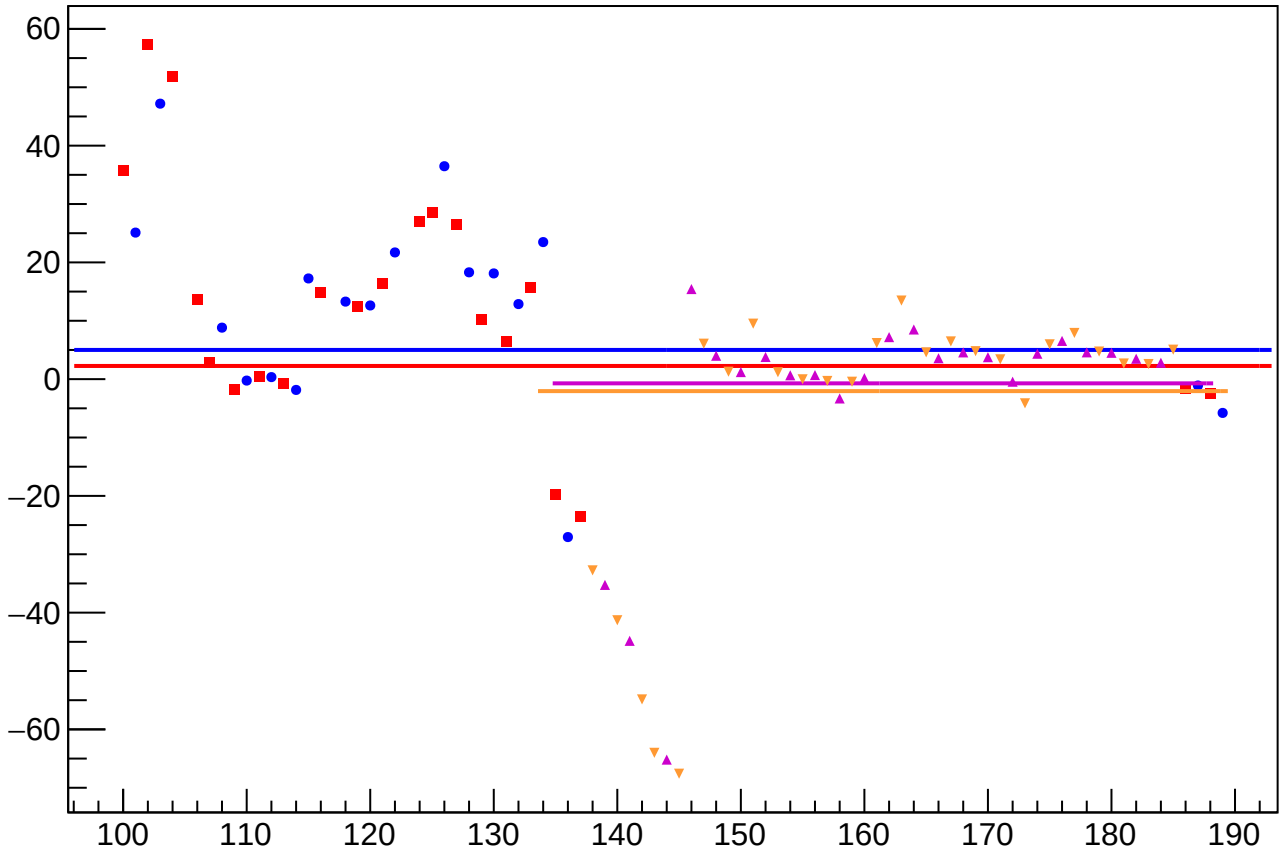
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.956+/-0.040 χ^2/NDF: 4230.4/38

In: 0.598+/-0.028 χ^2/NDF:9526.2/40

Out: 0.573+/-0.029 χ^2/NDF:8522.0/45

All: 0.585+/-0.020 χ^2/NDF: 18048.6/86



Right In: 5.004+/-0.061 χ^2/NDF: 72670.8/17

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 2.259+/-0.048 χ^2/NDF: 78554.2/20

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

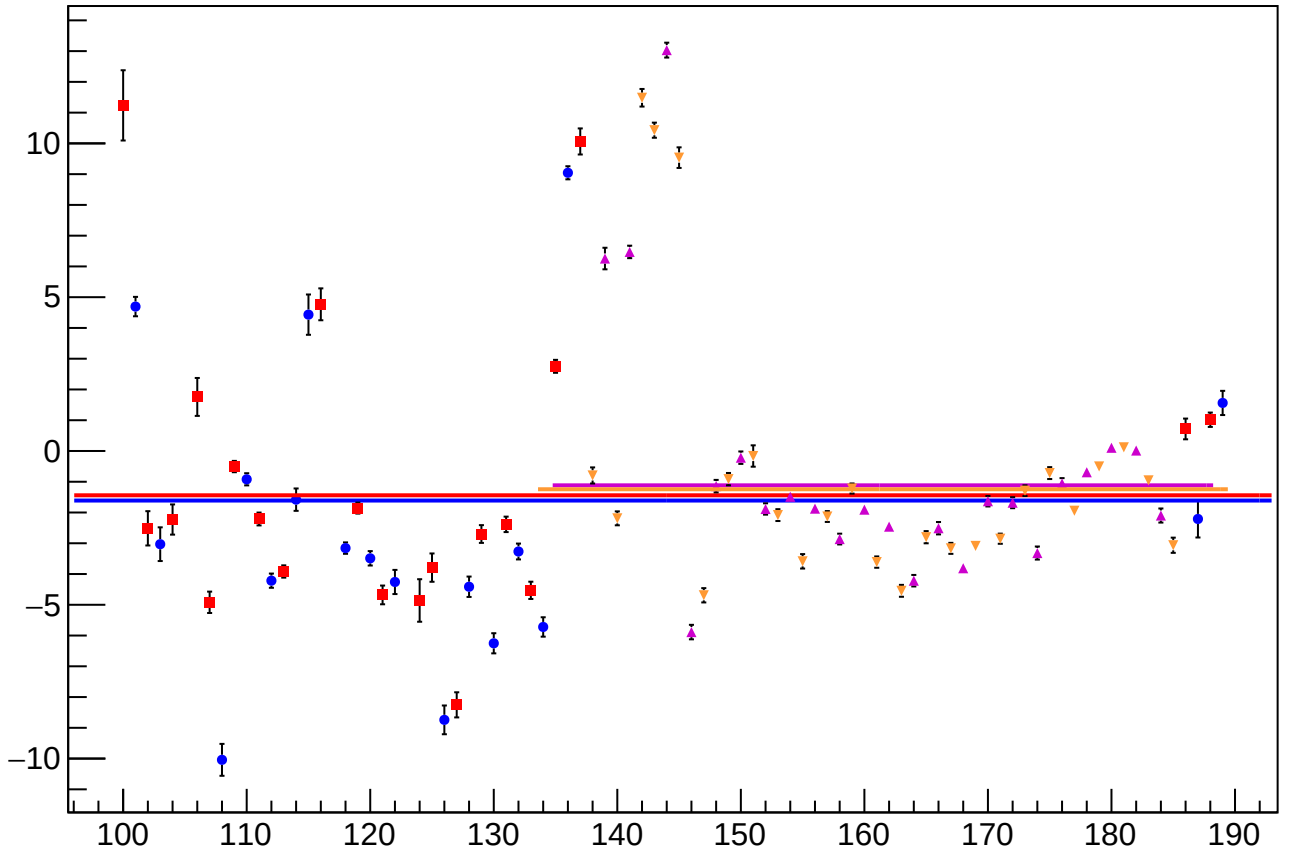
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: 3.296+/-0.037 χ^2/NDF: 152486.9/38

In: 1.037+/-0.034 χ^2/NDF:204311.2/40

Out: -0.187+/-0.031 χ^2/NDF:249236.2/45

All: 0.377+/-0.023 χ^2/NDF: 454255.8/86



Right In: -1.611+/-0.070 χ^2/NDF: 4357.7/17

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.440+/-0.063 χ^2/NDF: 2480.0/20

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

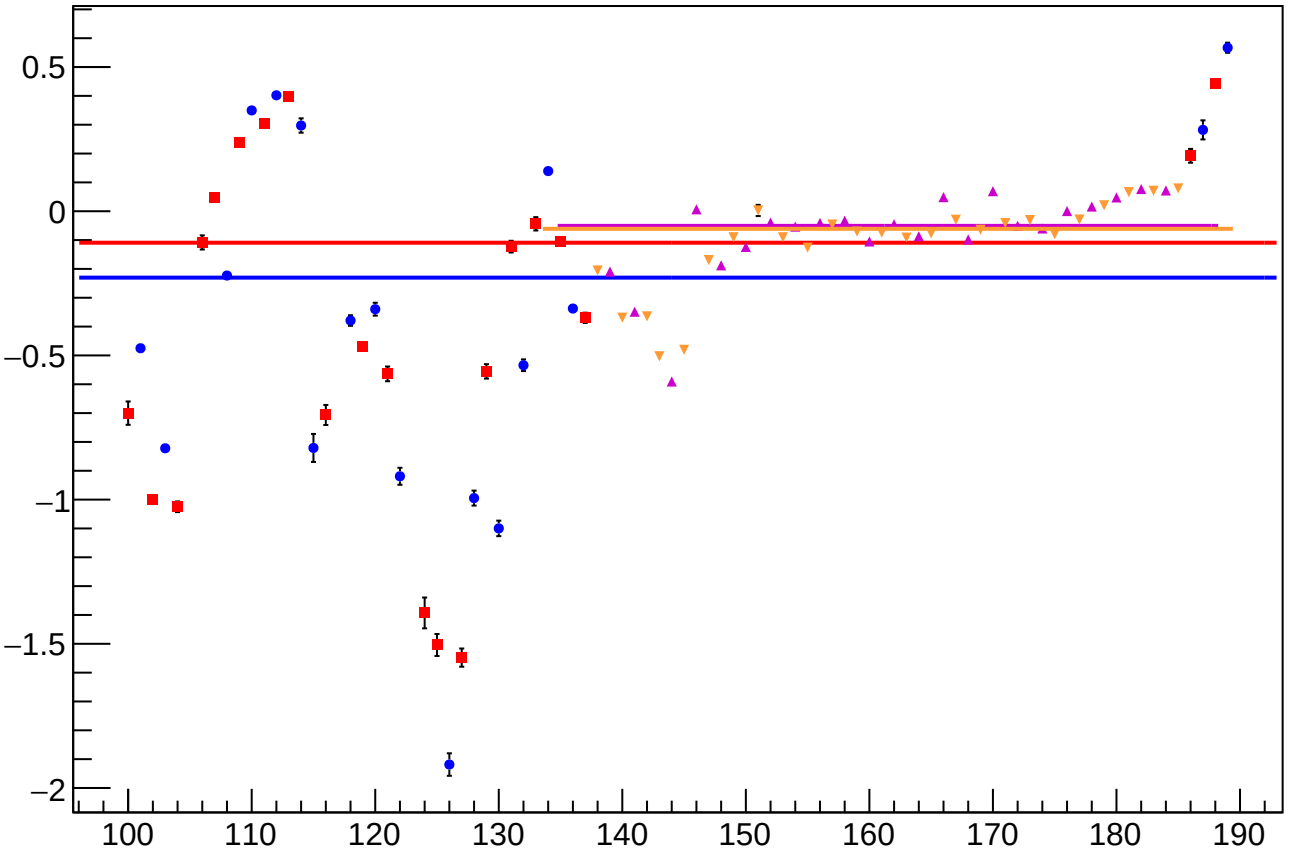
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -1.517+/-0.047 χ^2/NDF: 6840.9/38

In: -1.220+/-0.032 χ^2/NDF:11237.4/40

Out: -1.295+/-0.032 χ^2/NDF:9255.9/45

All: -1.257+/-0.023 χ^2/NDF: 20496.0/86



Right In: -0.230+/-0.004 χ^2/NDF: 13833.8/17

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: -0.109+/-0.004 χ^2/NDF: 17319.8/20

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

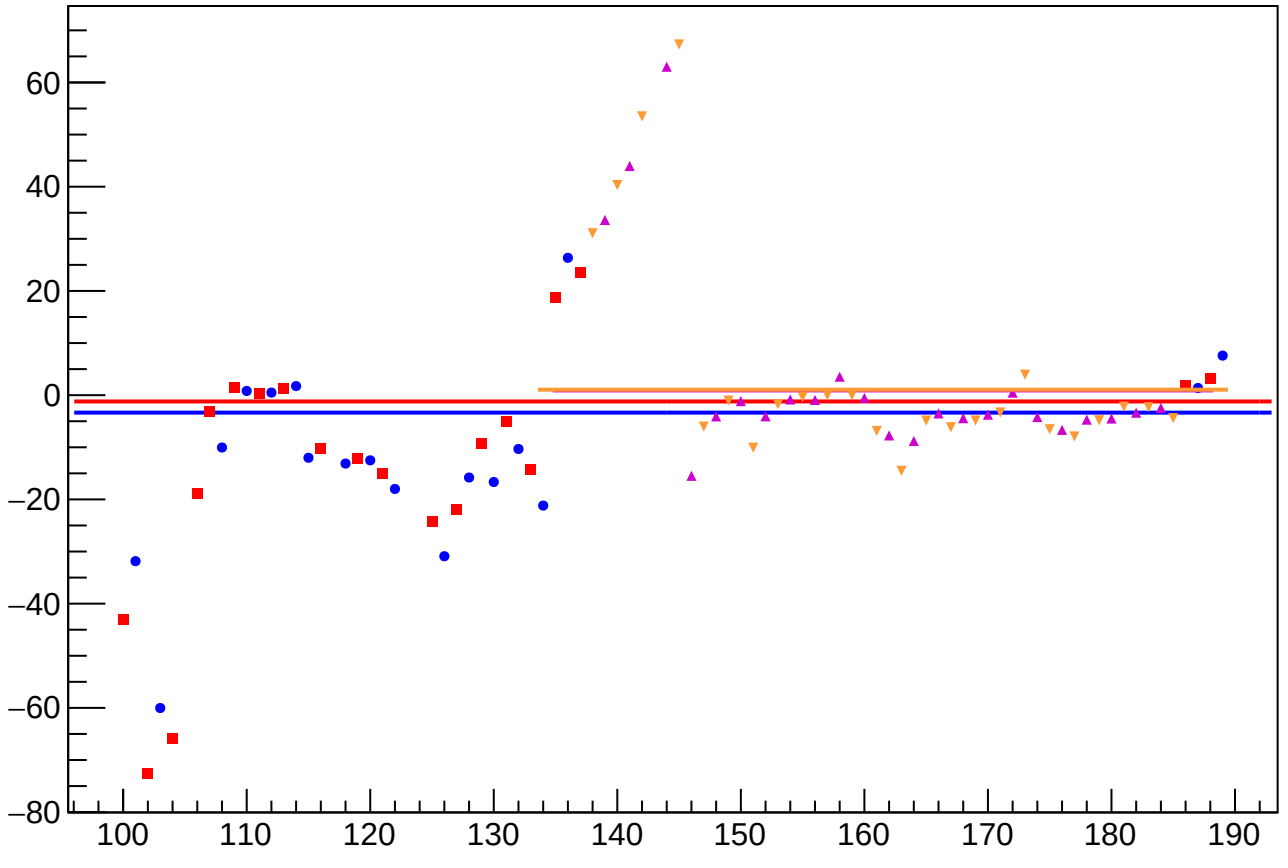
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: -0.163+/-0.003 χ^2/NDF: 31629.8/38

In: -0.073+/-0.001 χ^2/NDF:20372.1/40

Out: -0.069+/-0.001 χ^2/NDF:22941.3/45

All: -0.071+/-0.001 χ^2/NDF: 43317.1/86



Right In: -3.348+/-0.052 χ^2/NDF: 78201.4/17

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: -1.204+/-0.041 χ^2/NDF: 82256.3/19

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

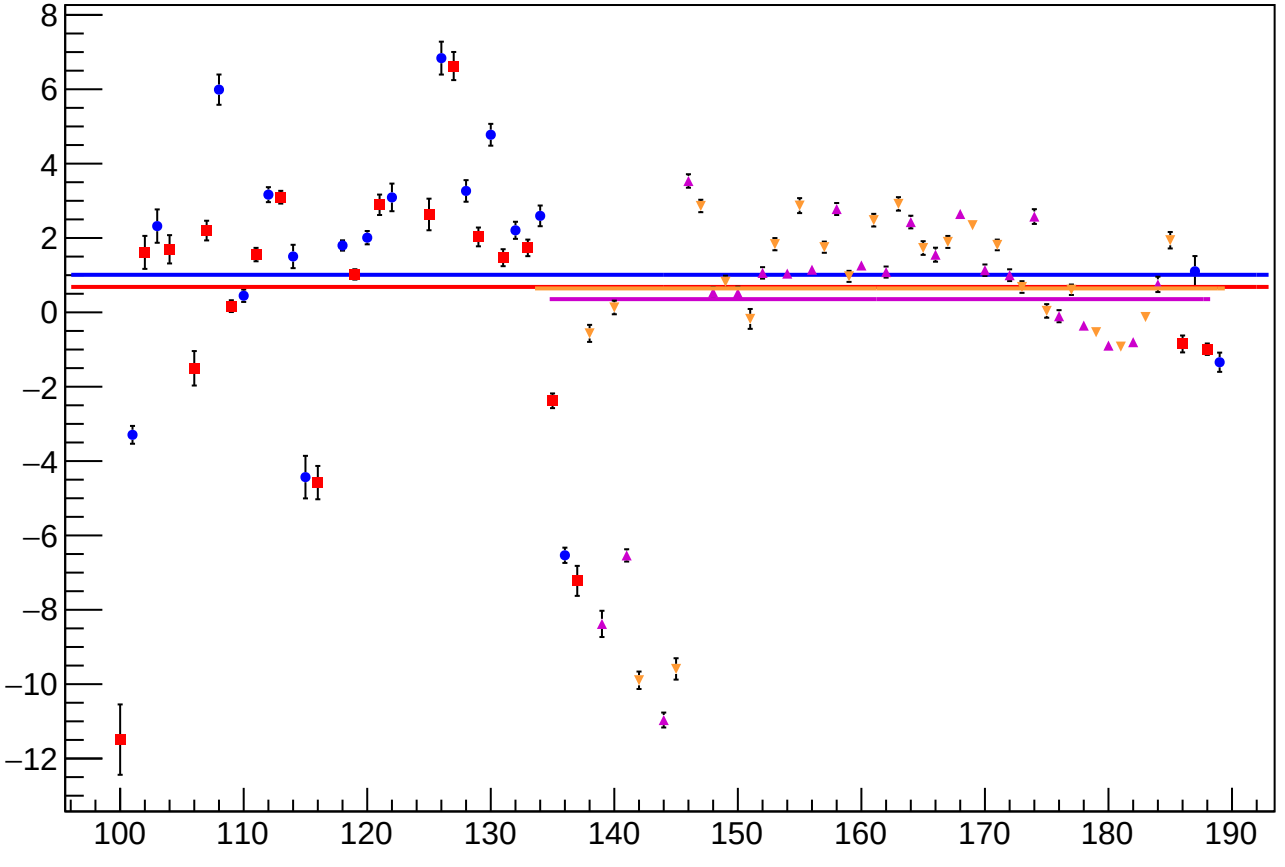
Right: -2.031+/-0.032 χ^2/NDF: 161507.7/37

In: -0.667+/-0.032 χ^2/NDF:215255.1/40

Out: -0.061+/-0.029 χ^2/NDF:214815.8/43

All: -0.337+/-0.021 χ^2/NDF: 430271.7/84

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.010+/-0.058 χ^2/NDF: 2682.7/17

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.684+/-0.052 χ^2/NDF: 1791.2/19

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

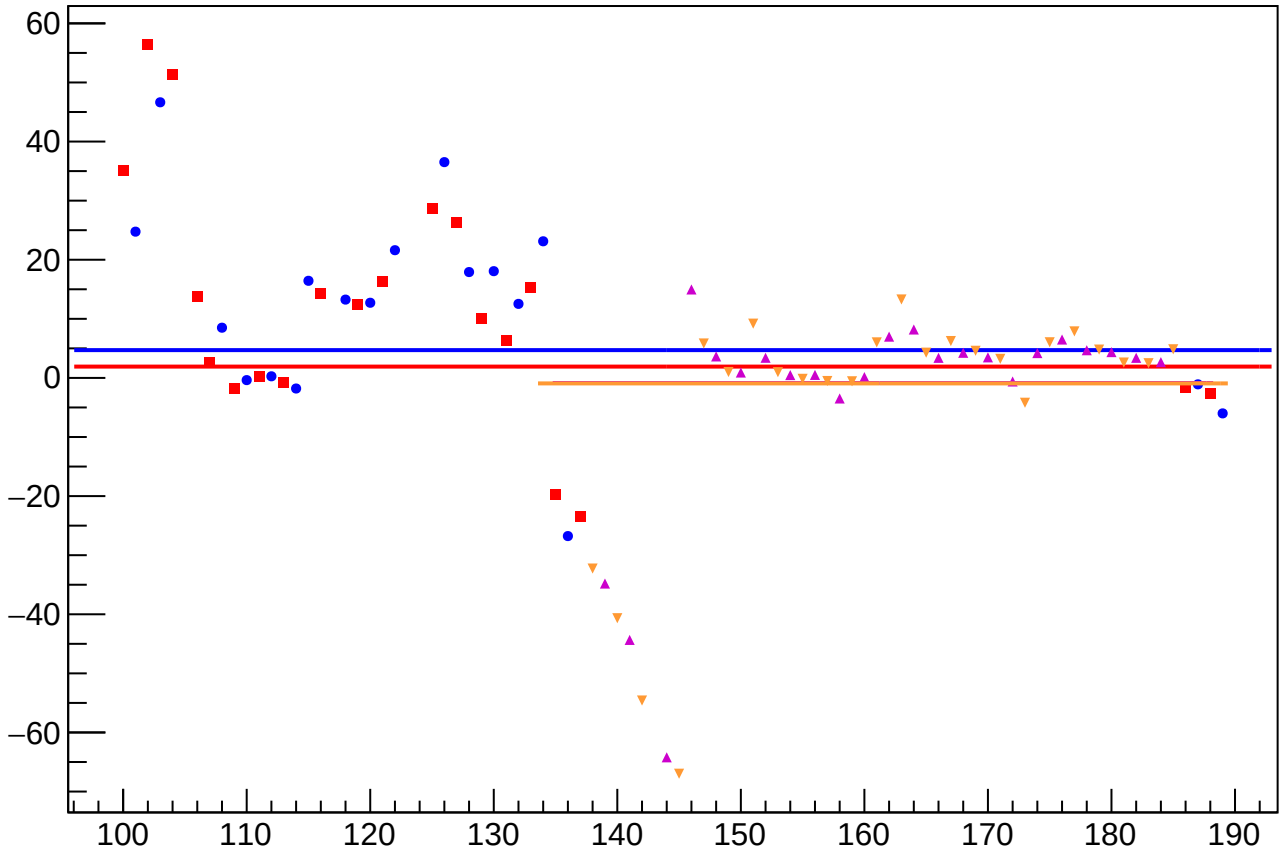
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.830+/-0.039 χ^2/NDF: 4491.3/37

In: 0.503+/-0.028 χ^2/NDF:9898.3/40

Out: 0.655+/-0.028 χ^2/NDF:6502.6/43

All: 0.578+/-0.020 χ^2/NDF: 16415.9/84



Right In: 4.704+/-0.059 χ^2/NDF: 75299.1/17

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: 1.917+/-0.046 χ^2/NDF: 79980.9/19

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

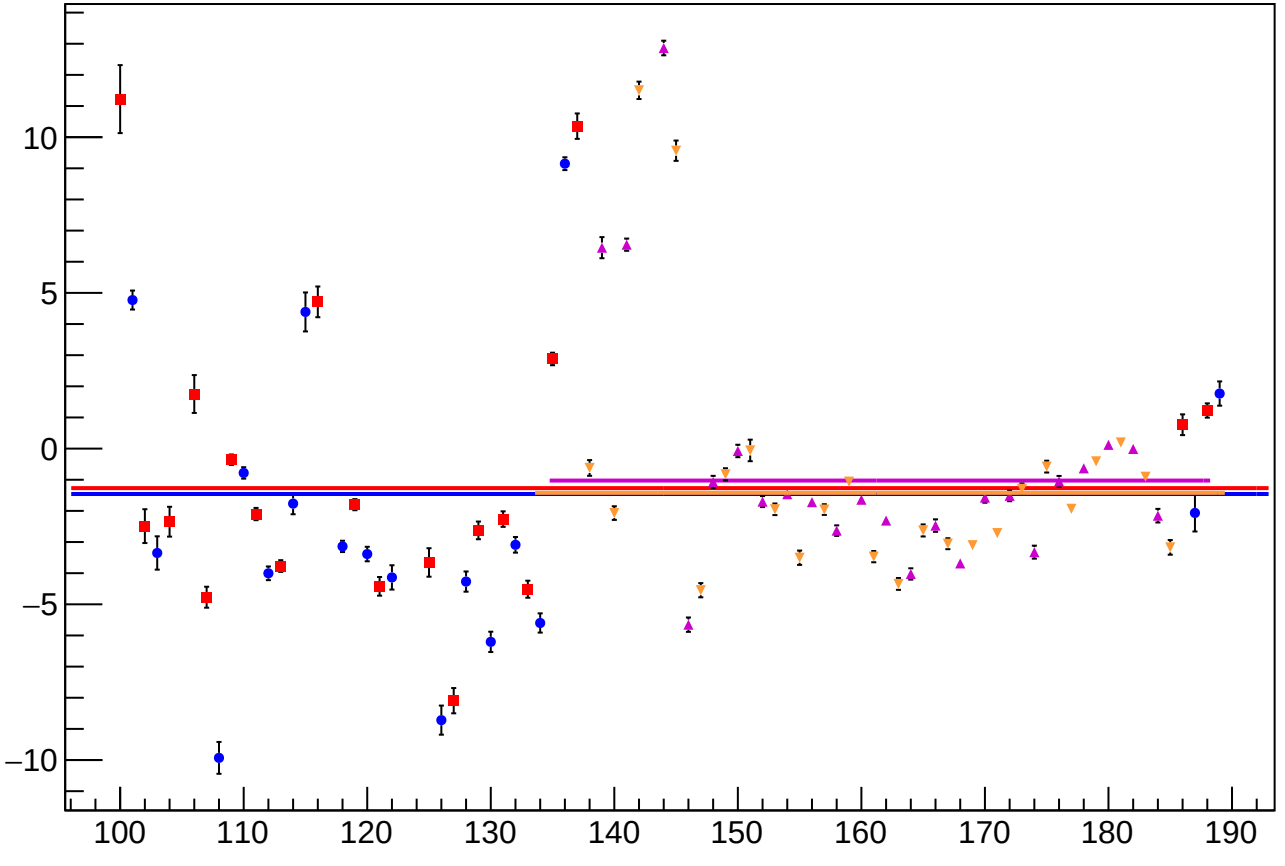
Right: 2.969+/-0.036 χ^2/NDF: 156666.8/37

In: 0.843+/-0.033 χ^2/NDF:210942.4/40

Out: 0.315+/-0.030 χ^2/NDF:208513.9/43

All: 0.560+/-0.022 χ^2/NDF: 419596.2/84

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.458+/-0.068 χ^2/NDF: 4615.0/17

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -1.269+/-0.061 χ^2/NDF: 2646.6/19

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

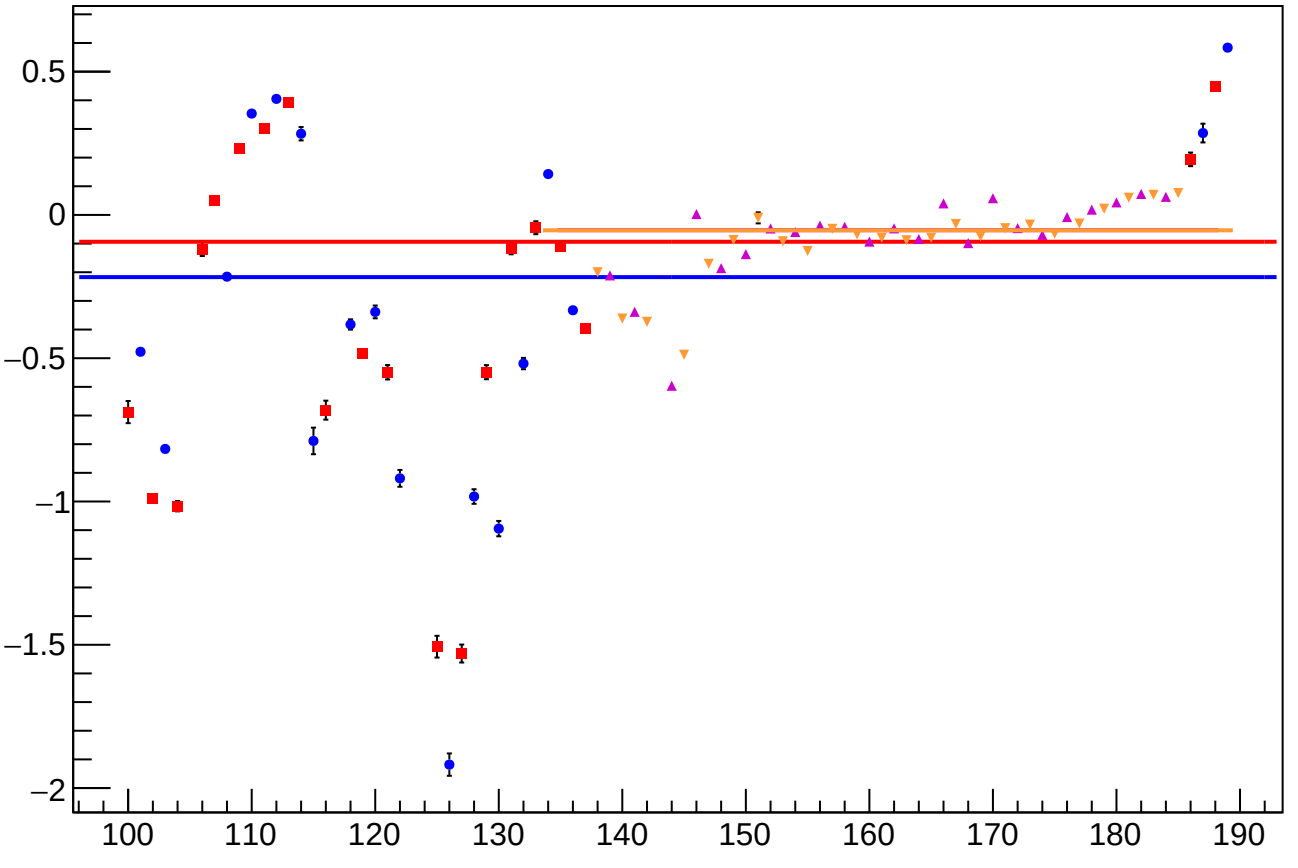
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -1.353+/-0.045 χ^2/NDF: 7266.0/37

In: -1.116+/-0.031 χ^2/NDF:11694.3/40

Out: -1.380+/-0.031 χ^2/NDF:7293.1/43

All: -1.246+/-0.022 χ^2/NDF: 19023.4/84



Right In: -0.217+/-0.004 χ^2/NDF: 14630.3/17

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: -0.094+/-0.004 χ^2/NDF: 17543.6/19

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

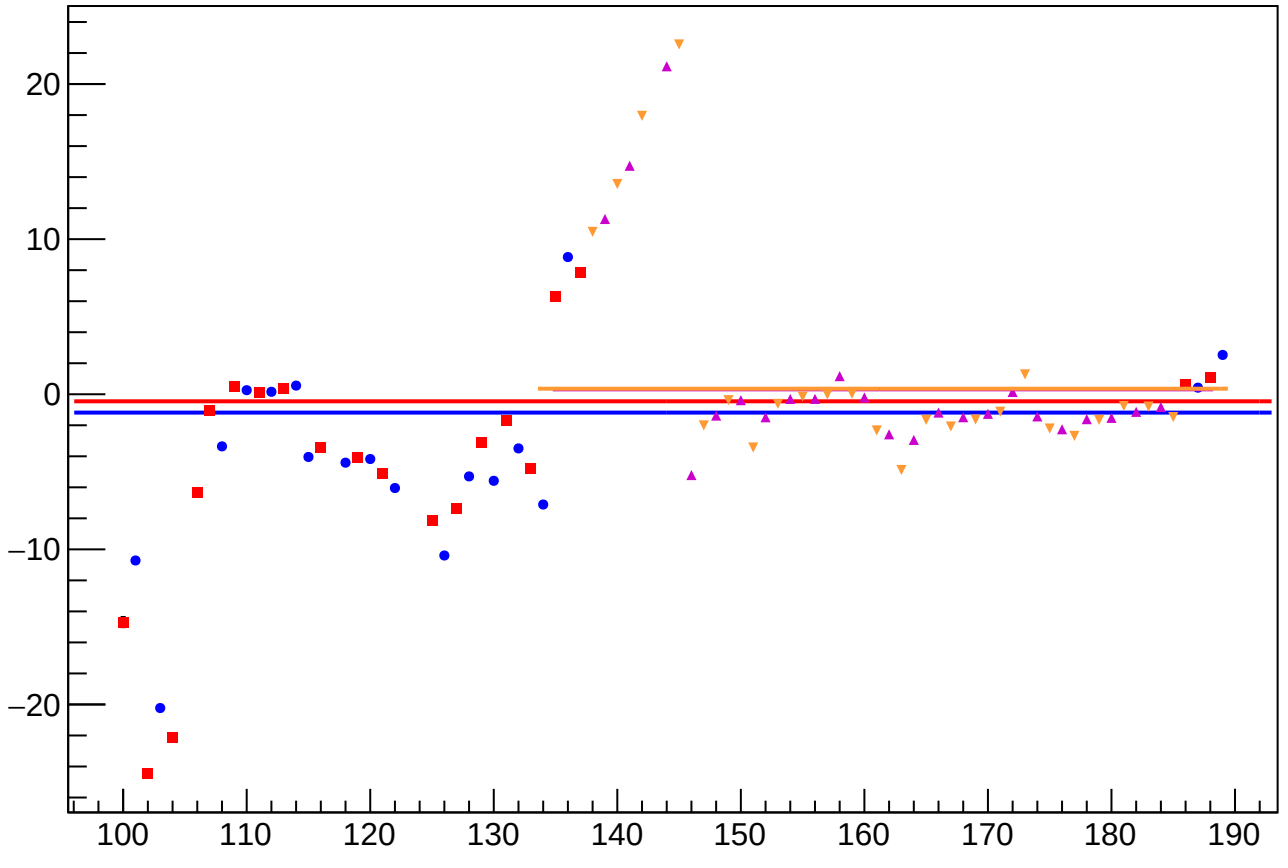
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: -0.148+/-0.003 χ^2/NDF: 32703.8/37

In: -0.073+/-0.001 χ^2/NDF:21115.1/40

Out: -0.060+/-0.001 χ^2/NDF:21987.7/43

All: -0.067+/-0.001 χ^2/NDF: 43142.8/84



Right In: -1.183+/-0.018 χ^2/NDF: 76569.6/17

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.454+/-0.014 χ^2/NDF: 80720.8/19

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

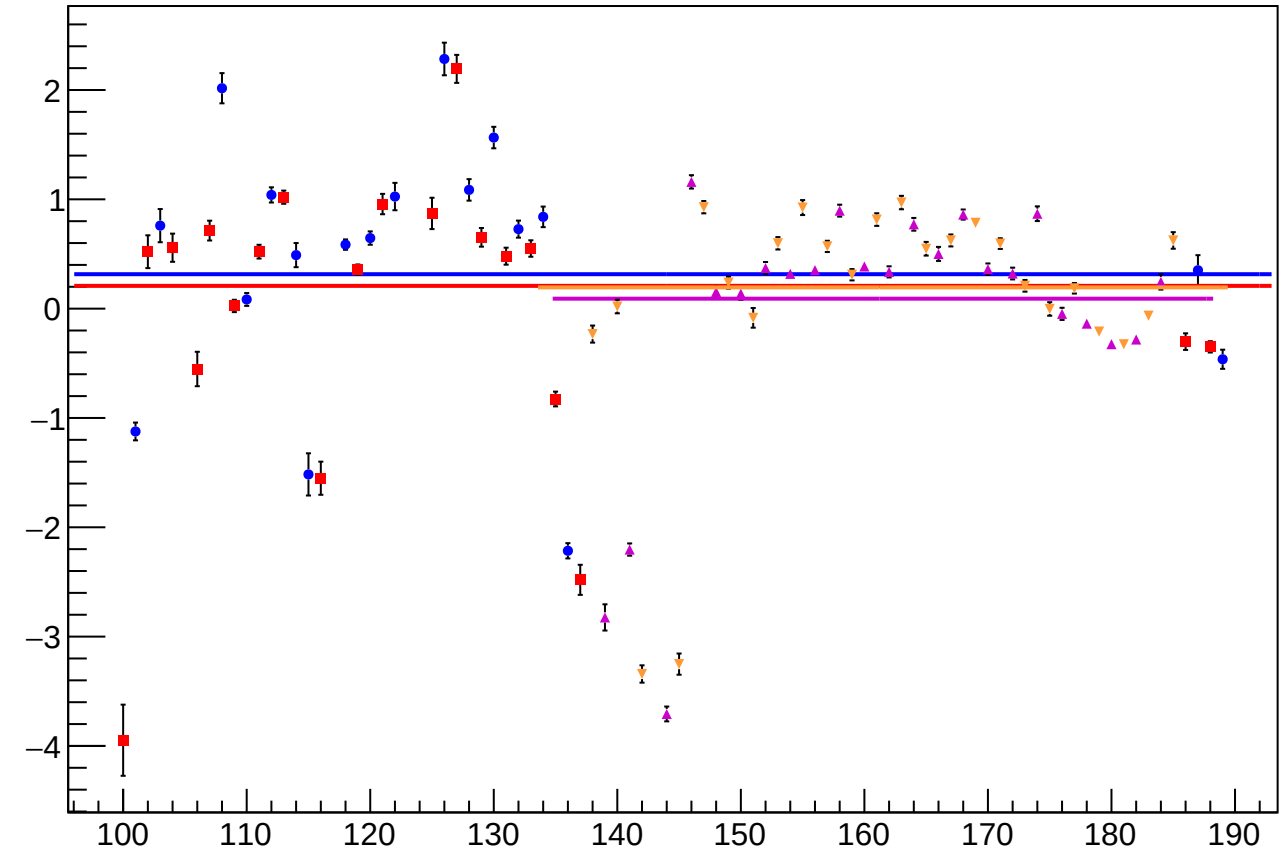
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -0.737+/-0.011 χ^2/NDF: 158312.3/37

In: -0.237+/-0.011 χ^2/NDF:211263.0/40

Out: -0.038+/-0.010 χ^2/NDF:211229.2/43

All: -0.129+/-0.007 χ^2/NDF: 422675.7/84



Right In: 0.315+/-0.020 χ^2/NDF: 2626.3/17

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.208+/-0.018 χ^2/NDF: 1754.8/19

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

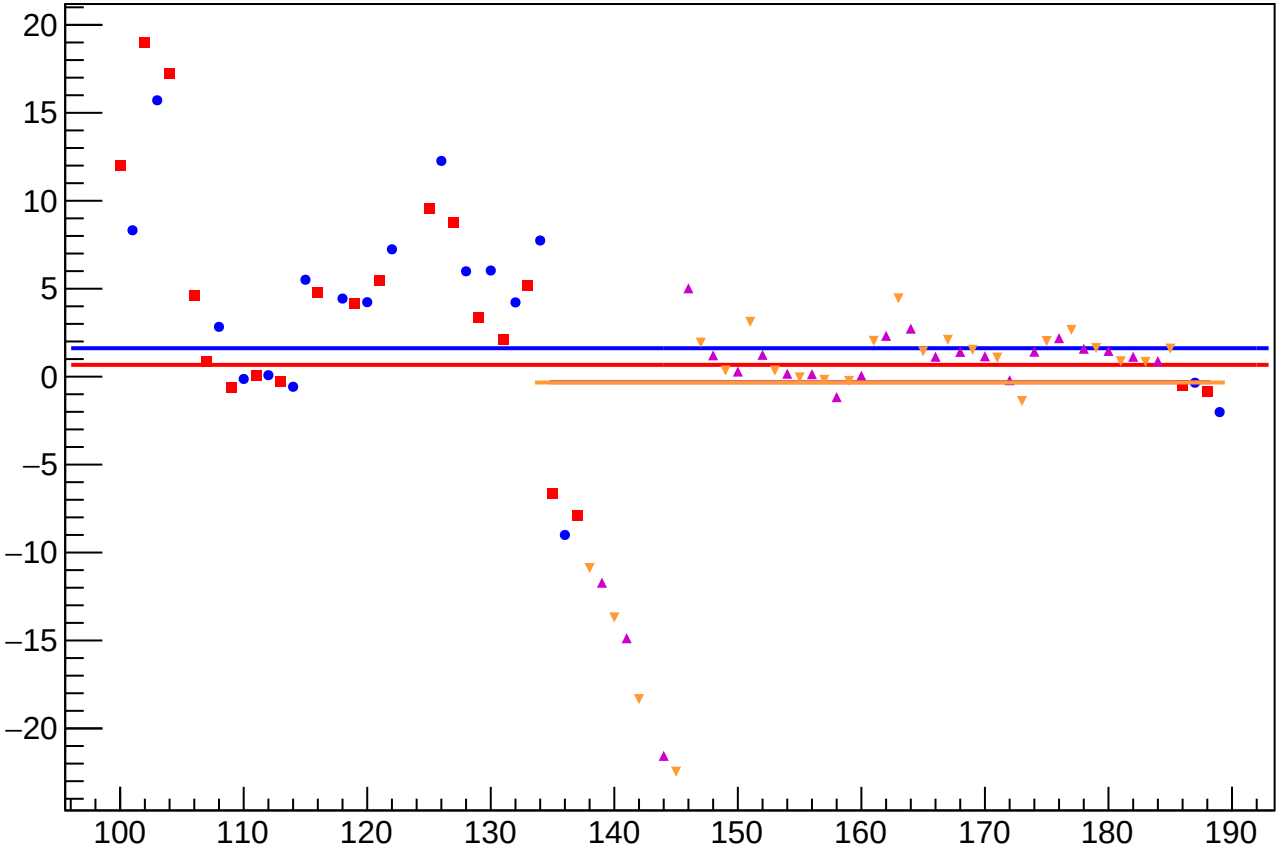
Right: 0.256+/-0.013 χ^2/NDF: 4397.1/37

In: 0.142+/-0.009 χ^2/NDF:9661.3/40

Out: 0.198+/-0.010 χ^2/NDF:6400.2/43

All: 0.170+/-0.007 χ^2/NDF: 16079.1/84

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.617+/-0.020 χ^2/NDF: 73749.0/17

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: 0.671+/-0.016 χ^2/NDF: 78529.2/19

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

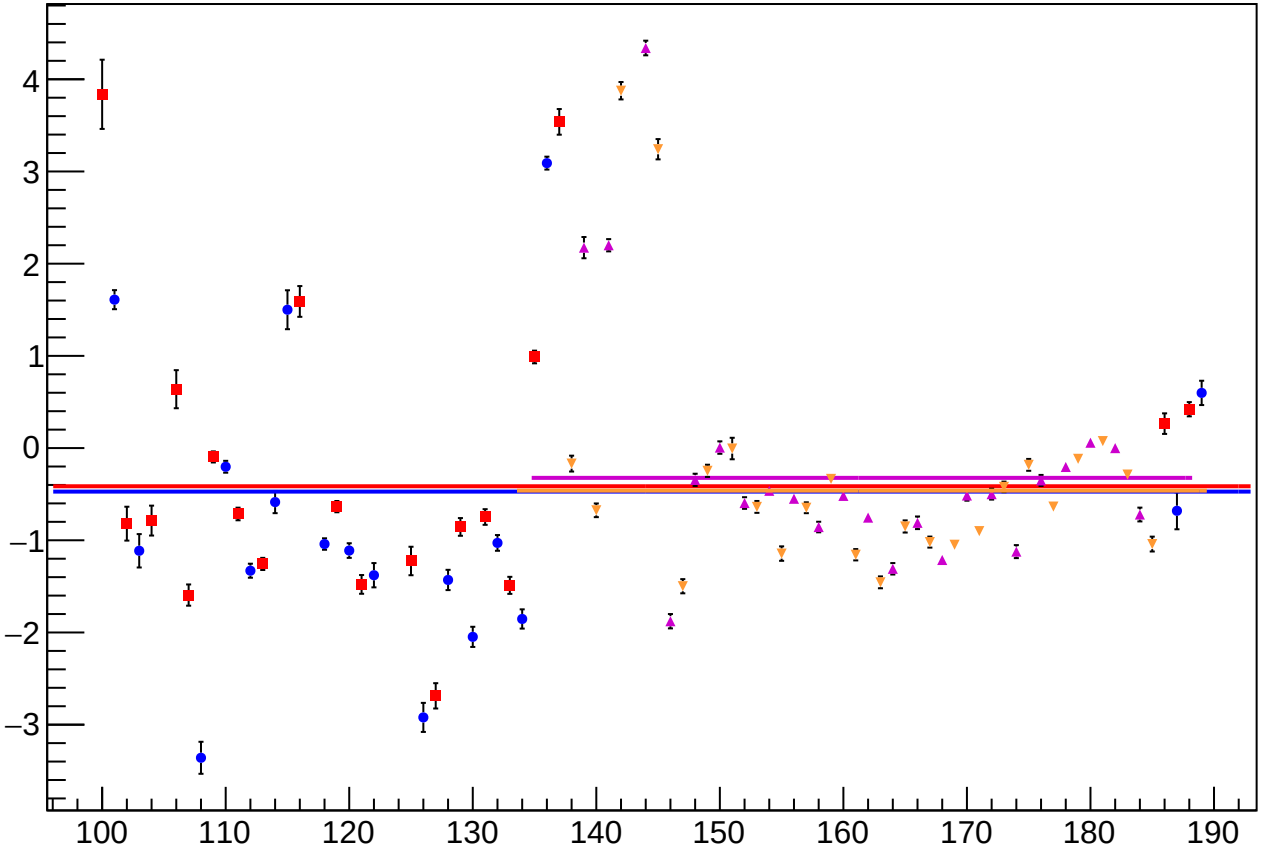
Right: 1.028+/-0.012 χ^2/NDF: 153646.4/37

In: 0.280+/-0.011 χ^2/NDF:207085.2/40

Out: 0.106+/-0.010 χ^2/NDF:205050.8/43

All: 0.187+/-0.008 χ^2/NDF: 412266.0/84

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.472+/-0.023 χ^2/NDF: 4516.0/17

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.414+/-0.021 χ^2/NDF: 2597.0/19

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

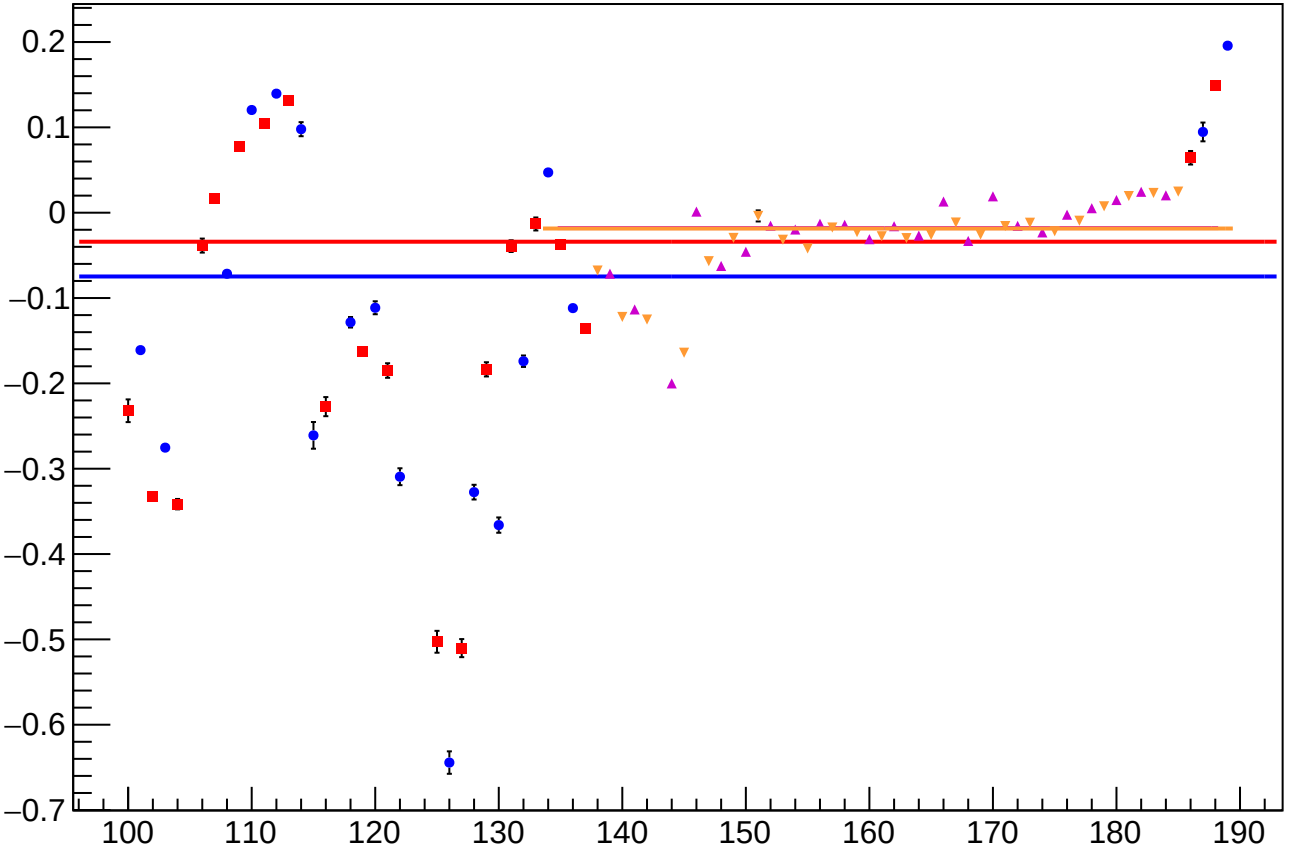
Right: -0.440+/-0.016 χ^2/NDF: 7116.4/37

In: -0.354+/-0.011 χ^2/NDF:11430.5/40

Out: -0.449+/-0.011 χ^2/NDF:7180.7/43

All: -0.401+/-0.008 χ^2/NDF: 18650.8/84

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.075+/-0.001 χ^2/NDF: 14272.1/17

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: -0.034+/-0.001 χ^2/NDF: 17015.3/19

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

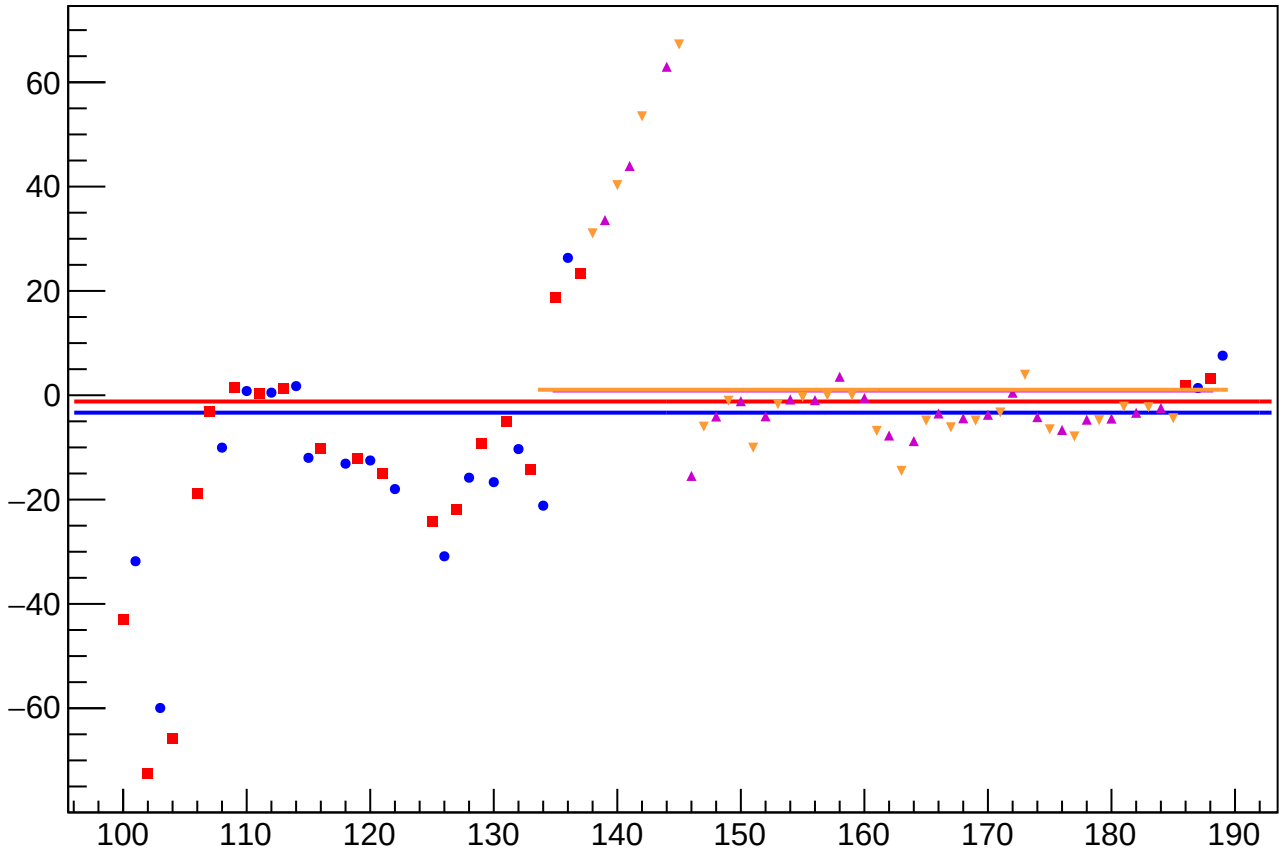
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: -0.052+/-0.001 χ^2/NDF: 31780.6/37

In: -0.025+/-0.000 χ^2/NDF:20667.3/40

Out: -0.021+/-0.000 χ^2/NDF:21375.7/43

All: -0.023+/-0.000 χ^2/NDF: 42075.1/84



Right In: -3.336+/-0.052 χ^2/NDF: 78225.4/17

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: -1.197+/-0.041 χ^2/NDF: 82272.2/19

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

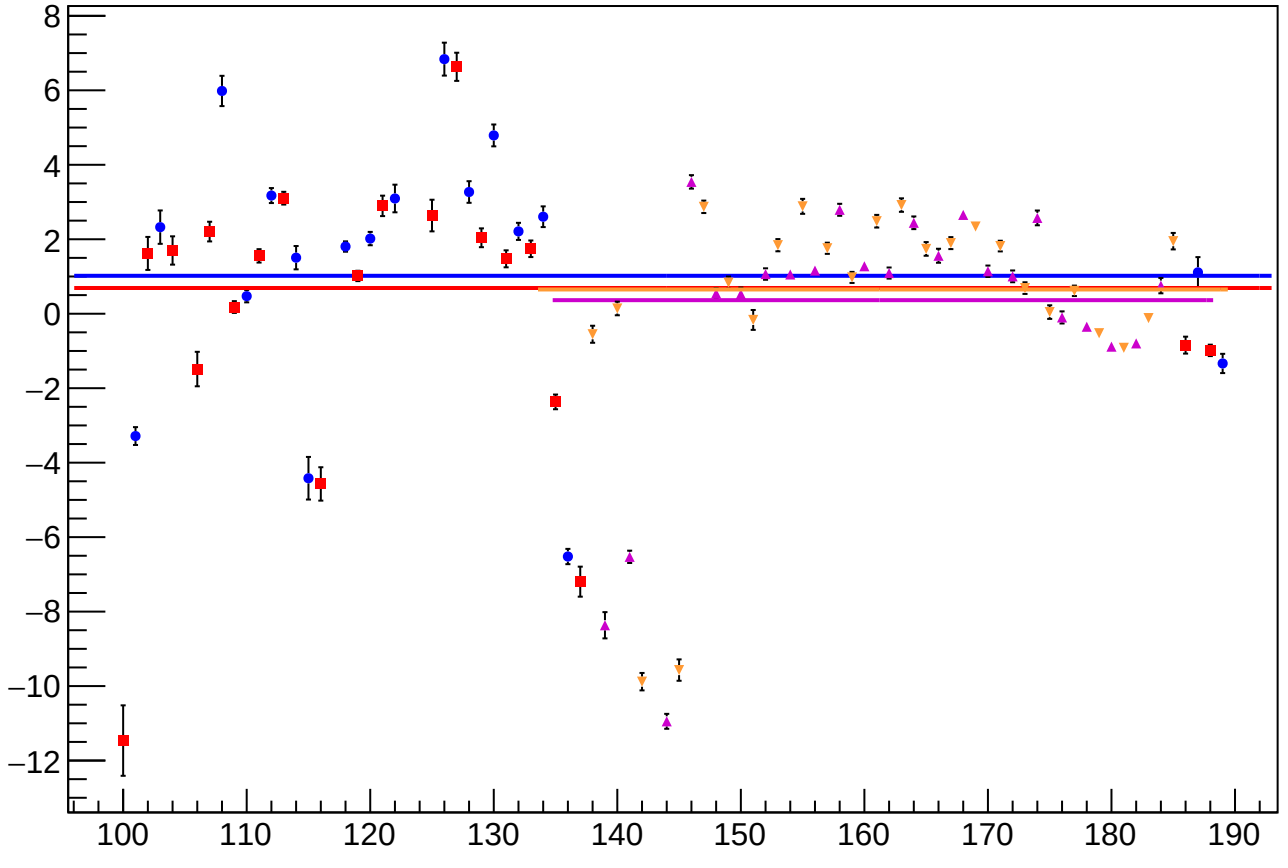
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: -2.022+/-0.032 χ^2/NDF: 161545.2/37

In: -0.662+/-0.032 χ^2/NDF:215278.2/40

Out: -0.056+/-0.029 χ^2/NDF:214810.3/43

All: -0.332+/-0.021 χ^2/NDF: 430289.5/84



Right In: 1.019+/-0.058 χ^2/NDF: 2682.7/17

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.691+/-0.052 χ^2/NDF: 1789.4/19

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

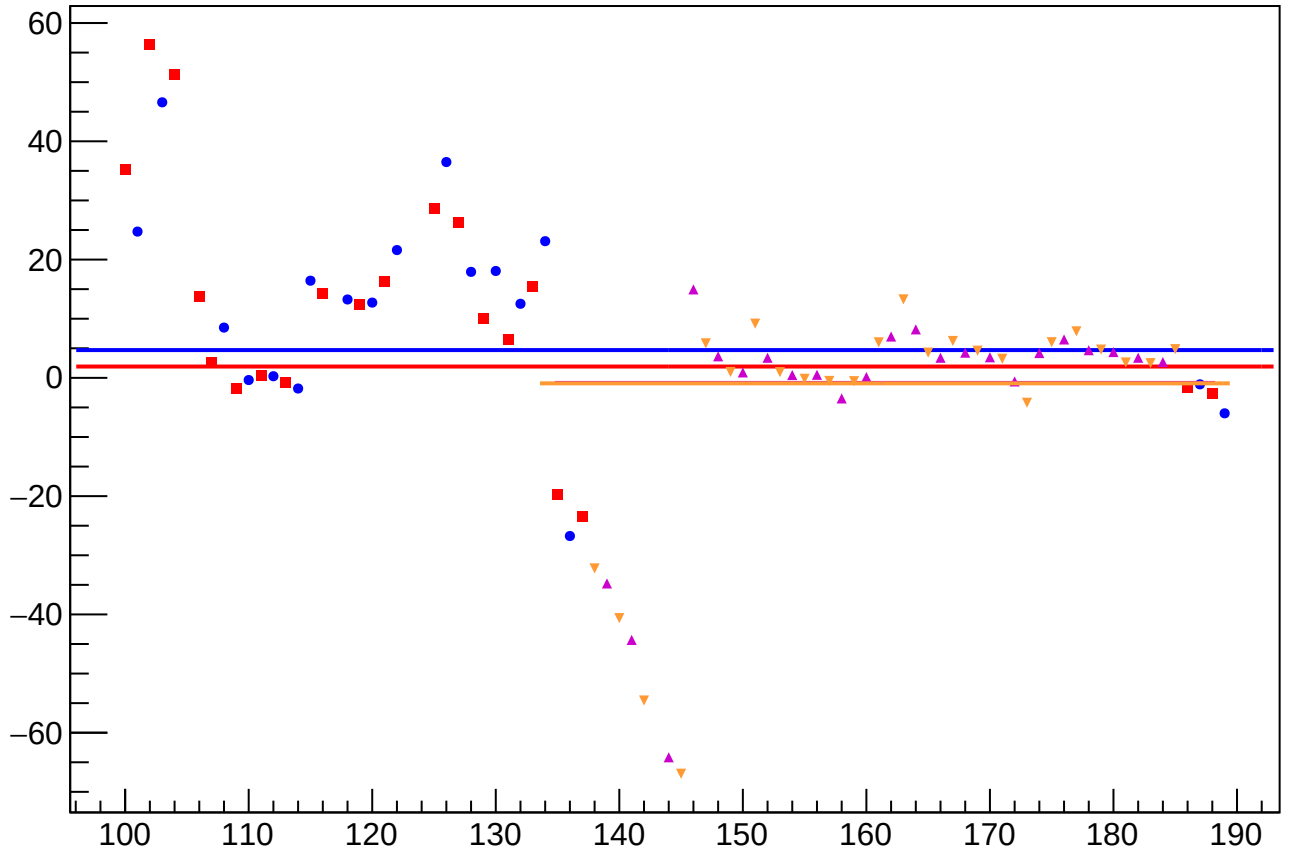
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.838+/-0.039 χ^2/NDF: 4489.7/37

In: 0.512+/-0.028 χ^2/NDF:9903.8/40

Out: 0.663+/-0.028 χ^2/NDF:6498.6/43

All: 0.586+/-0.020 χ^2/NDF: 16417.2/84



Right In: 4.697+/-0.059 χ^2/NDF: 75319.6/17

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 1.916+/-0.046 χ^2/NDF: 79990.3/19

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

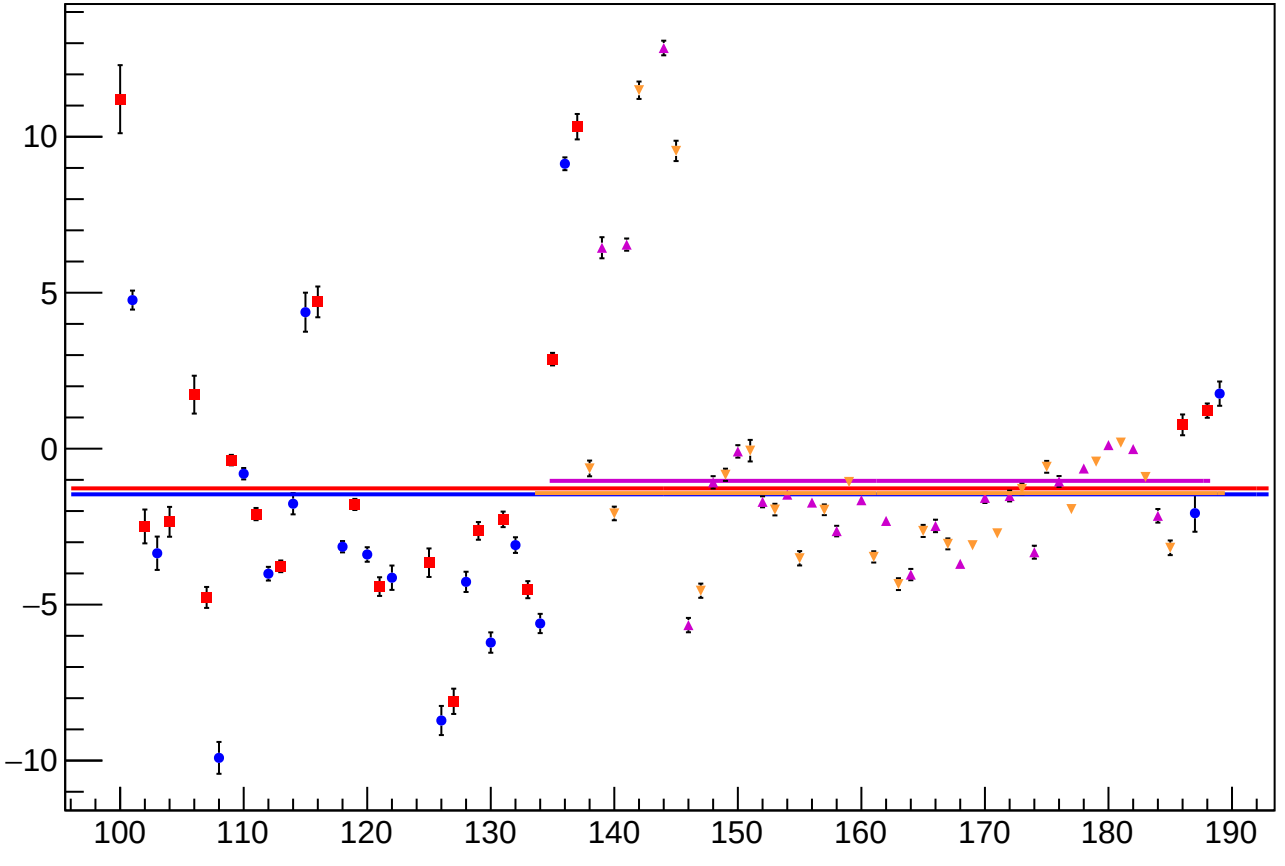
Right: 2.966+/-0.036 χ^2/NDF: 156692.9/37

In: 0.843+/-0.033 χ^2/NDF:210958.5/40

Out: 0.316+/-0.030 χ^2/NDF:208504.4/43

All: 0.561+/-0.022 χ^2/NDF: 419602.9/84

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.464+/-0.068 χ^2/NDF: 4614.8/17

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -1.273+/-0.061 χ^2/NDF: 2643.7/19

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

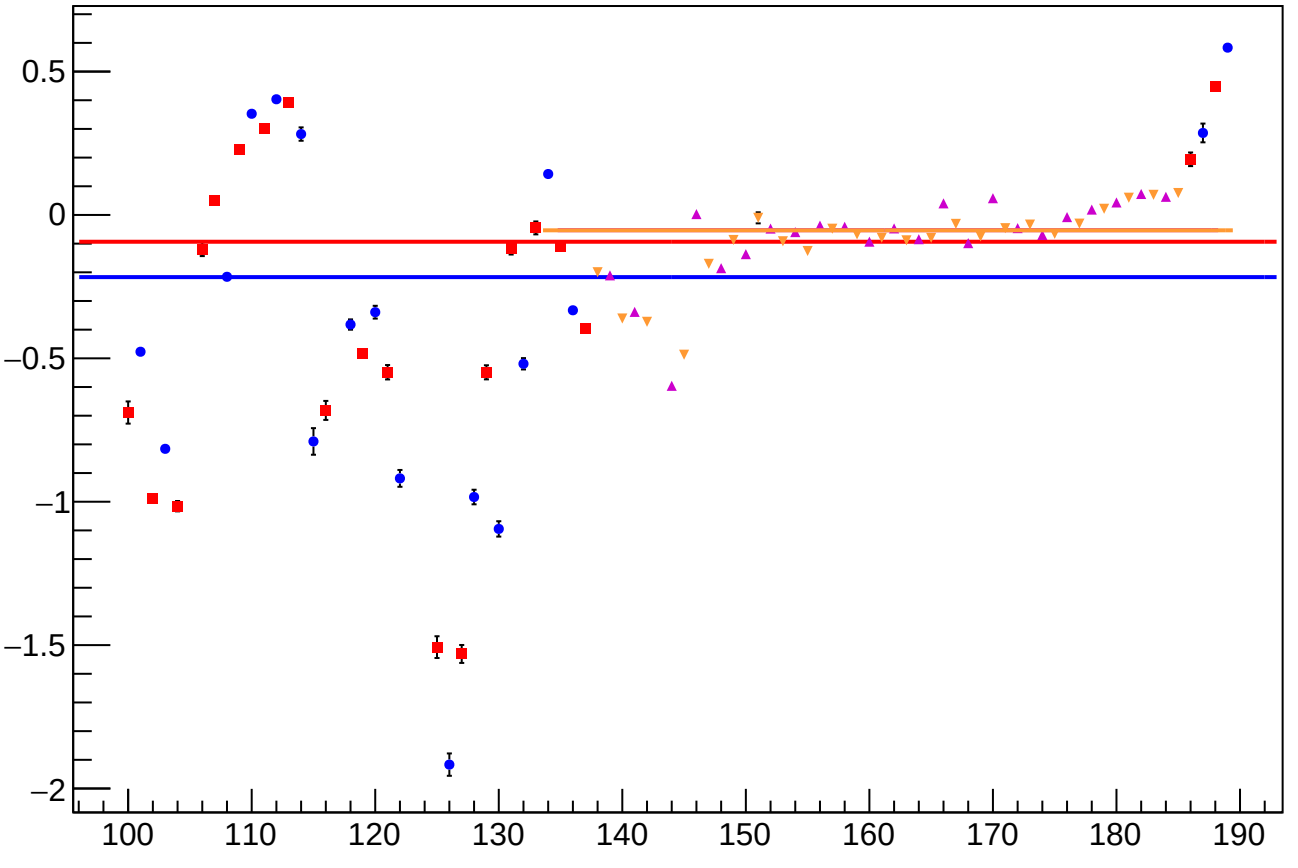
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -1.359+/-0.045 χ^2/NDF: 7262.8/37

In: -1.122+/-0.031 χ^2/NDF:11698.4/40

Out: -1.384+/-0.031 χ^2/NDF:7287.8/43

All: -1.251+/-0.022 χ^2/NDF: 19021.7/84



Right In: -0.217+/-0.004 χ^2/NDF: 14631.2/17

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: -0.093+/-0.004 χ^2/NDF: 17553.9/19

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

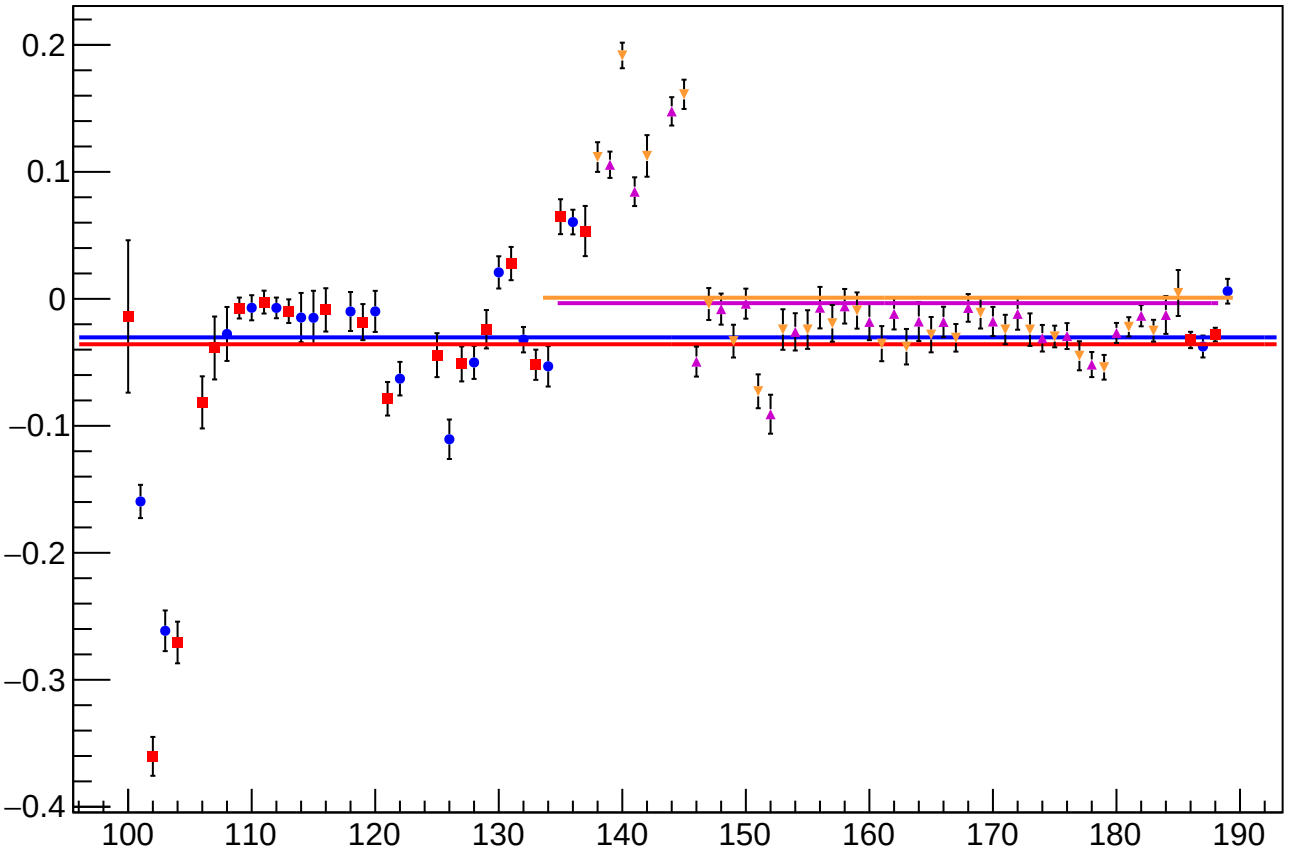
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: -0.148+/-0.003 χ^2/NDF: 32715.5/37

In: -0.073+/-0.001 χ^2/NDF:21118.2/40

Out: -0.060+/-0.001 χ^2/NDF:21999.1/43

All: -0.067+/-0.001 χ^2/NDF: 43158.0/84



Right In: -0.030+/-0.003 χ^2/NDF: 479.0/17

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.036+/-0.003 χ^2/NDF: 811.0/19

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

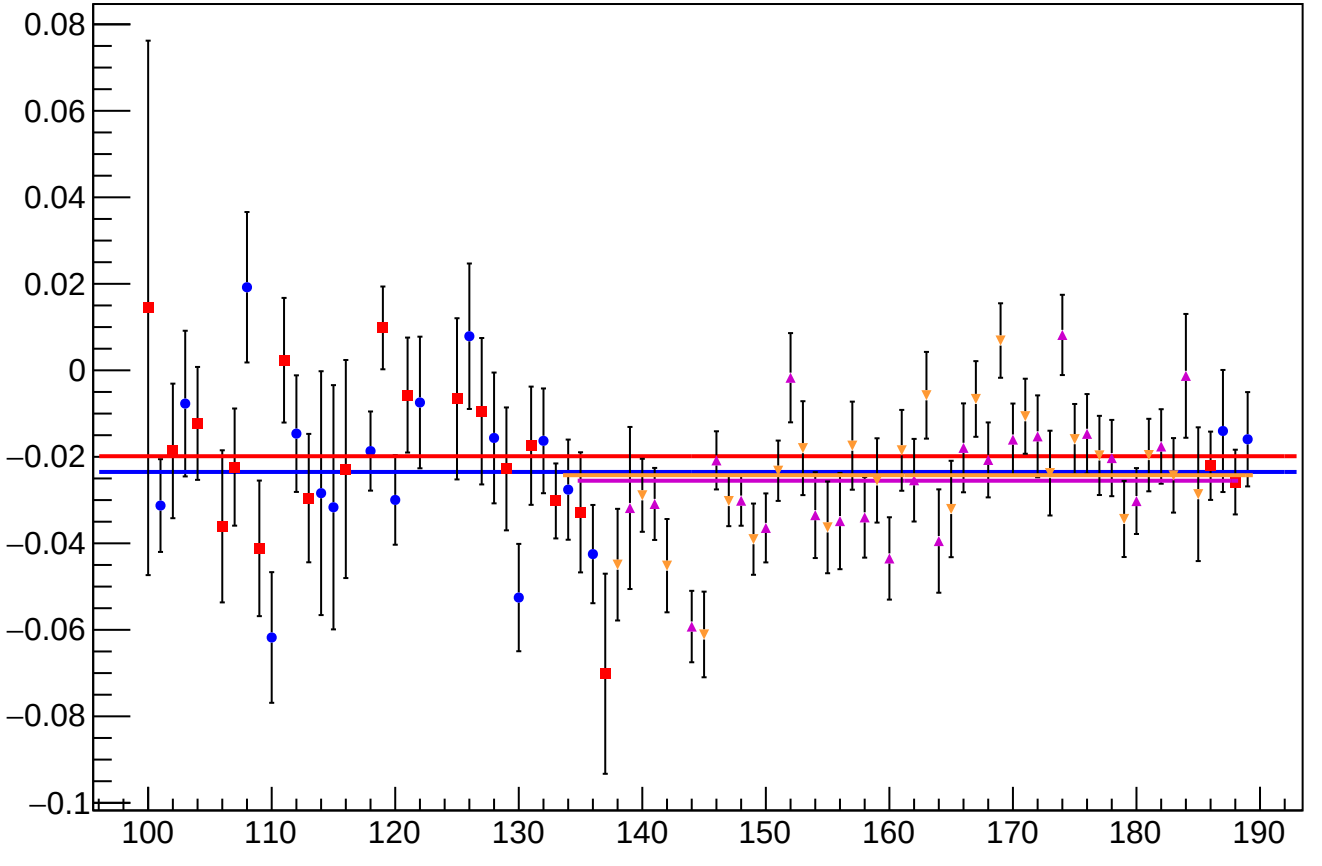
Right: -0.033+/-0.002 χ^2/NDF: 1292.0/37

In: -0.014+/-0.002 χ^2/NDF:988.4/40

Out: -0.016+/-0.002 χ^2/NDF:1771.8/43

All: -0.016+/-0.001 χ^2/NDF: 2760.9/84

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.003 χ^2/NDF: 29.6/17

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 25.6/19

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

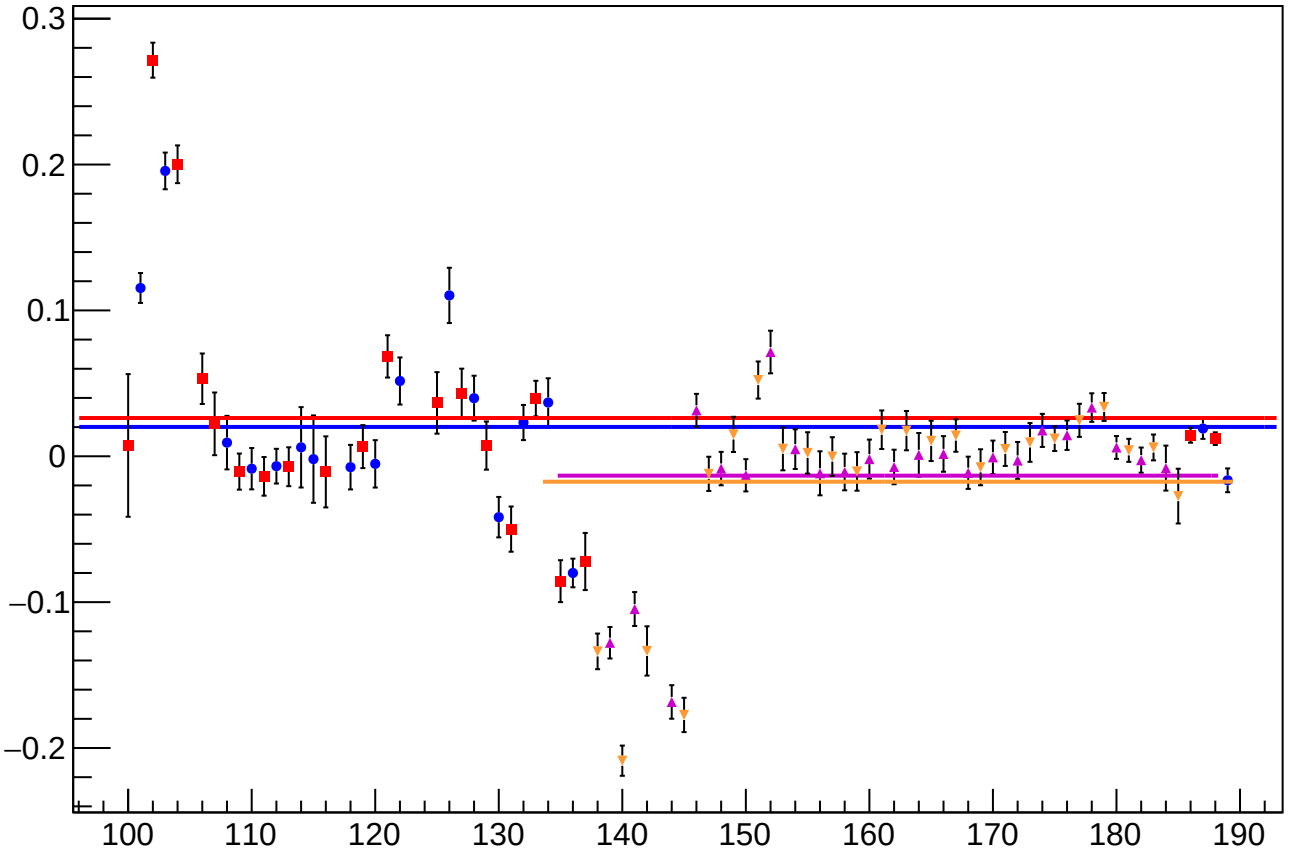
Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

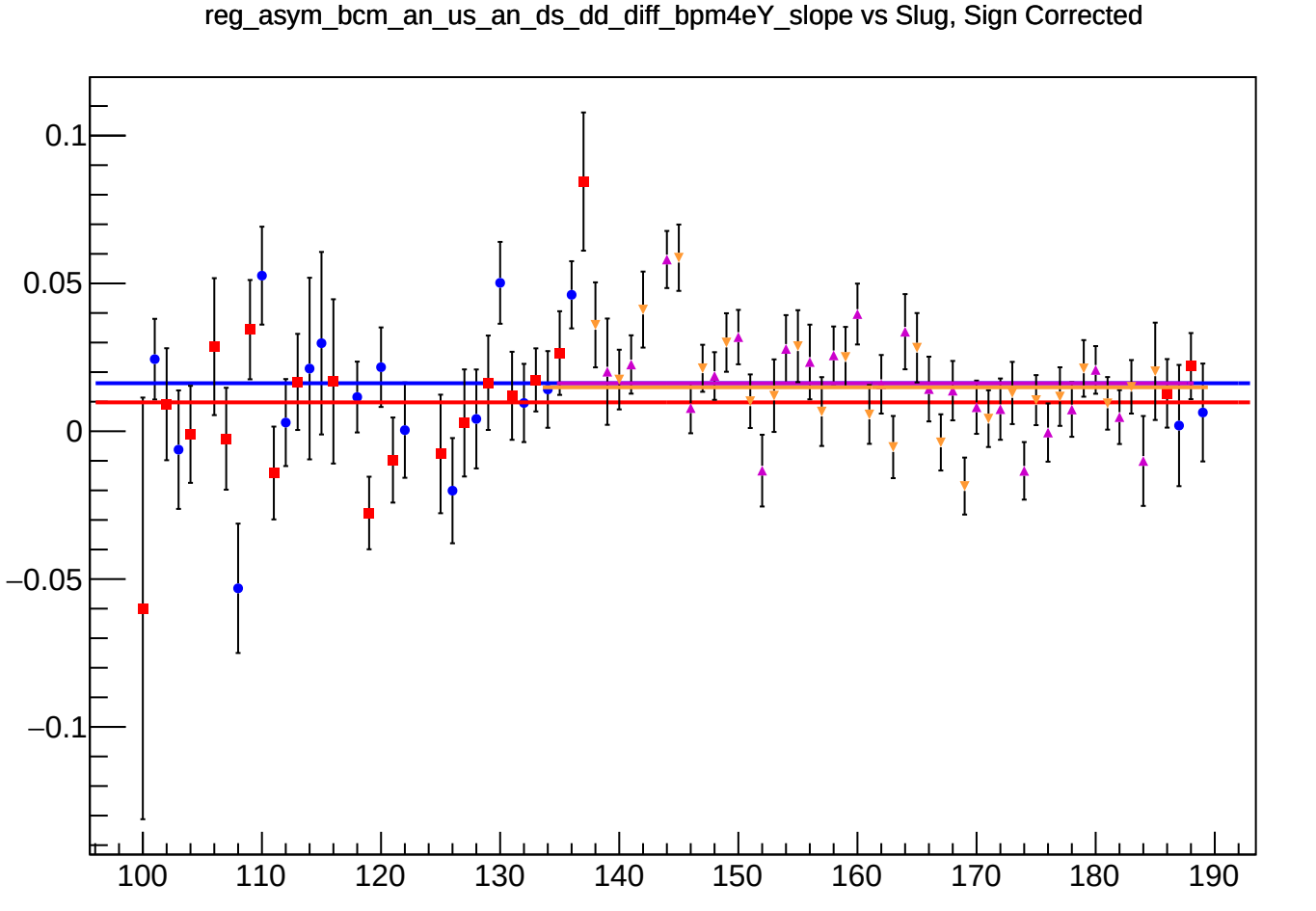
Right: -0.022+/-0.002 χ^2/NDF: 56.0/37

In: -0.025+/-0.002 χ^2/NDF:84.9/40

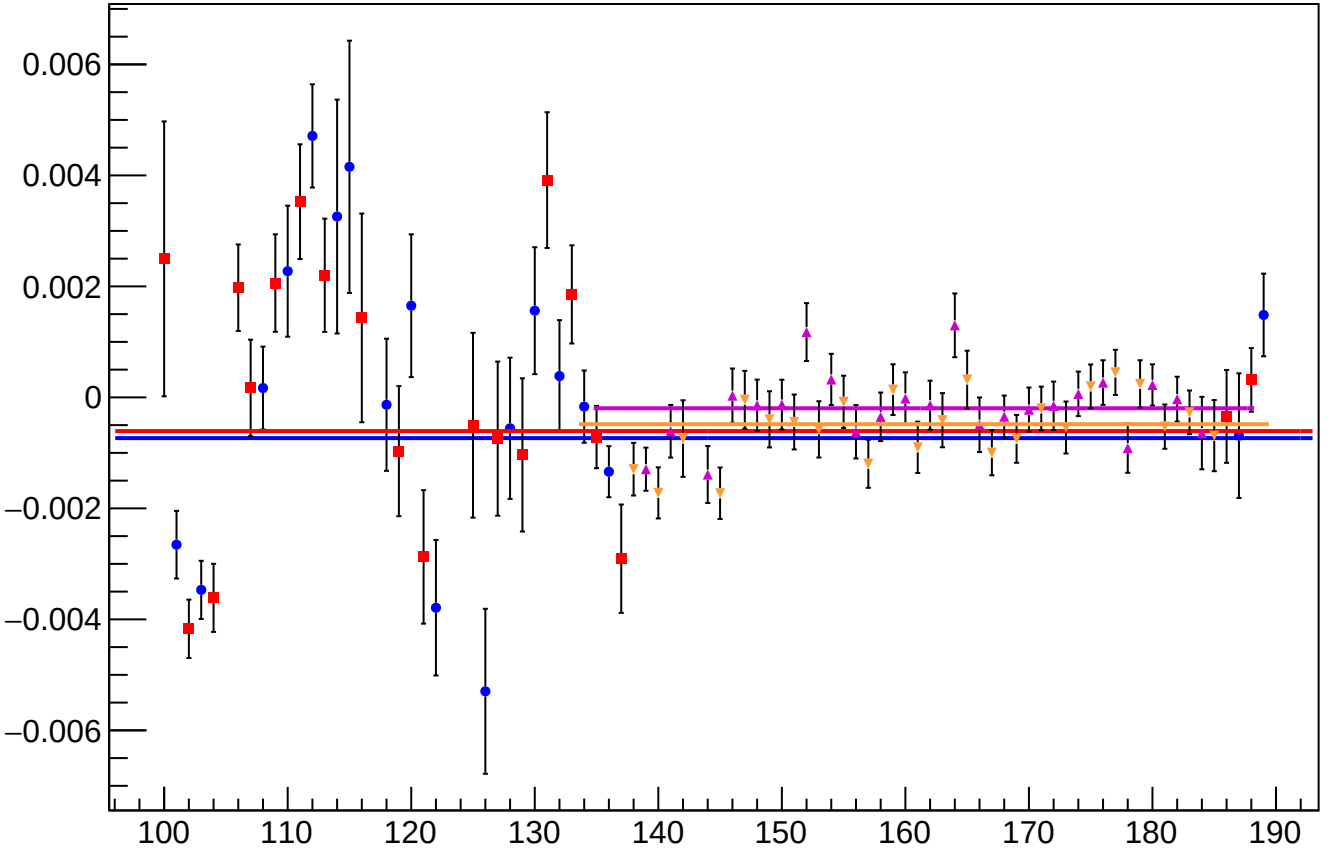
Out: -0.023+/-0.002 χ^2/NDF:81.0/43

All: -0.024+/-0.001 χ^2/NDF: 166.8/84


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: 0.020+/-0.003 χ²/NDF: 470.3/17
Left Out: -0.017+/-0.002 χ²/NDF:812.1/23
Right Out: 0.026+/-0.002 χ²/NDF: 768.1/19
Left In: -0.013+/-0.002 χ²/NDF:458.6/22
Left: -0.015+/-0.002 χ²/NDF: 1272.2/46
Right: 0.024+/-0.002 χ²/NDF: 1241.0/37
In: -0.000+/-0.002 χ²/NDF:1005.8/40
Out: 0.004+/-0.002 χ²/NDF:1743.6/43
All: 0.002+/-0.001 χ²/NDF: 2751.8/84


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
110
120
130
140
150
160
170
180
190
Right In: 0.016+/-0.004 χ²/NDF: 37.6/17
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.010+/-0.004 χ²/NDF: 32.9/19
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.013+/-0.003 χ²/NDF: 72.1/37
In: 0.016+/-0.002 χ²/NDF:95.6/40
Out: 0.014+/-0.002 χ²/NDF:86.5/43
All: 0.015+/-0.001 χ²/NDF: 183.2/84

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.000 χ^2/NDF: 123.7/17

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.001+/-0.000 χ^2/NDF: 150.7/19

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

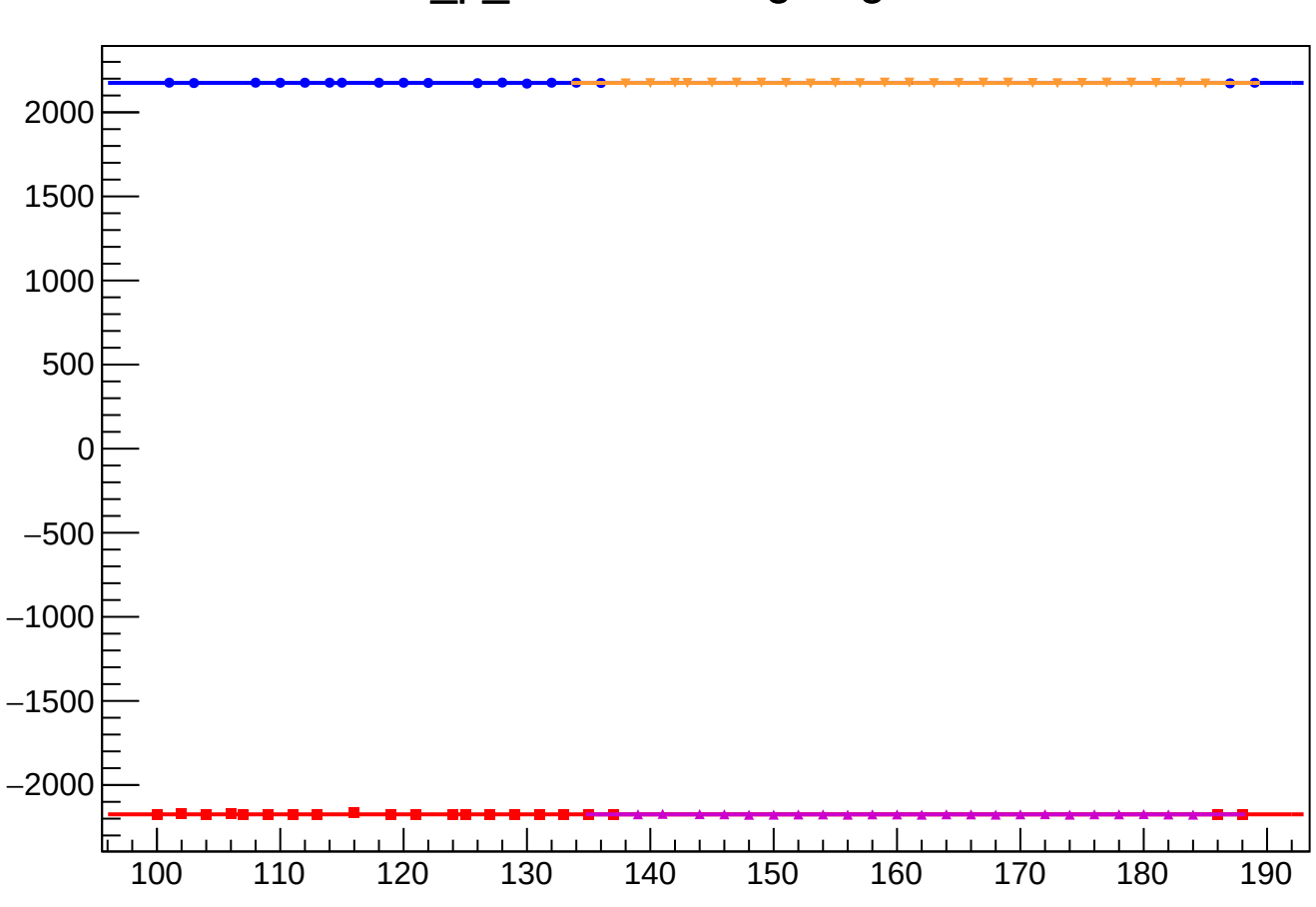
Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

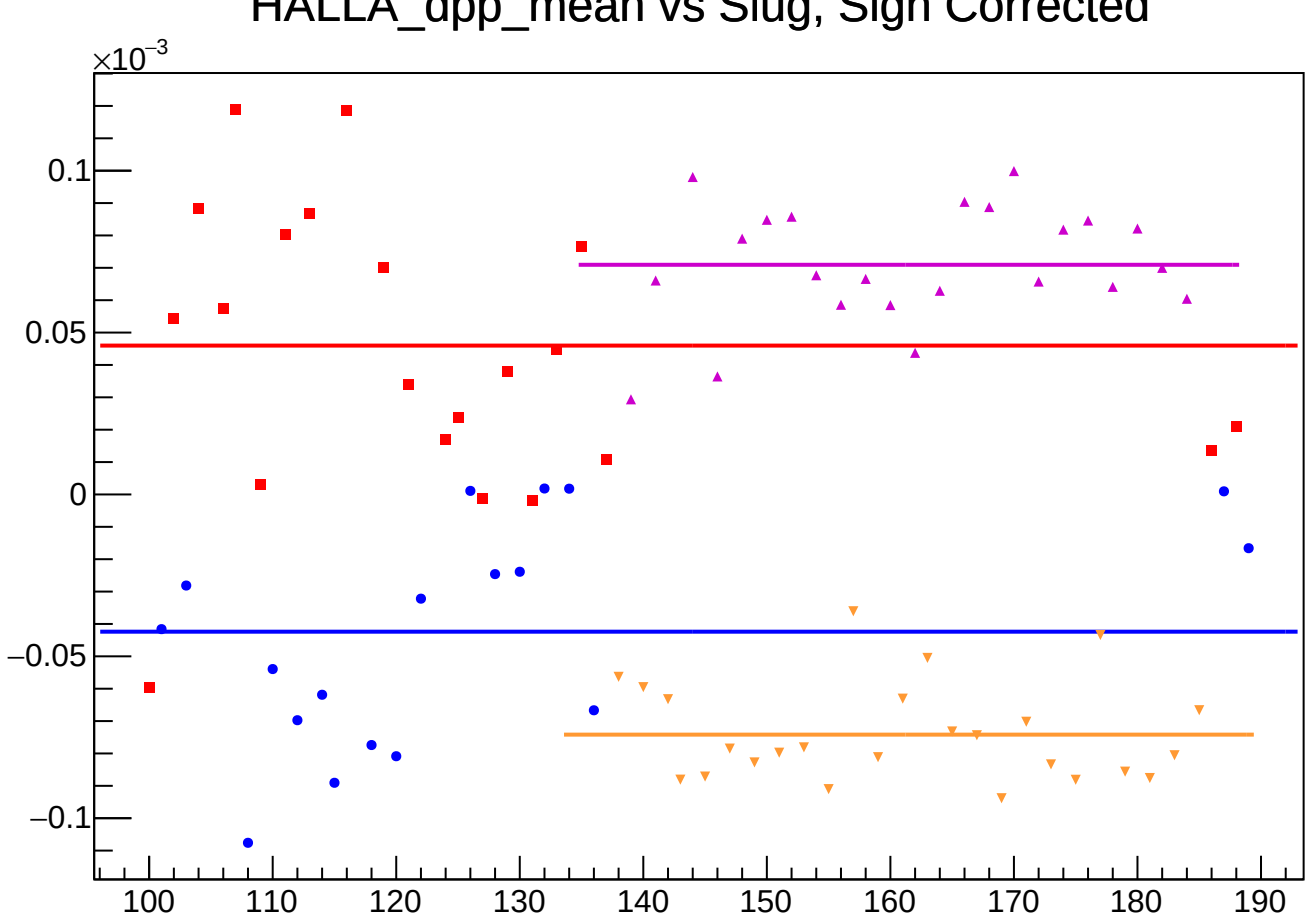
Right: -0.001+/-0.000 χ^2/NDF: 274.6/37

In: -0.000+/-0.000 χ^2/NDF:166.8/40

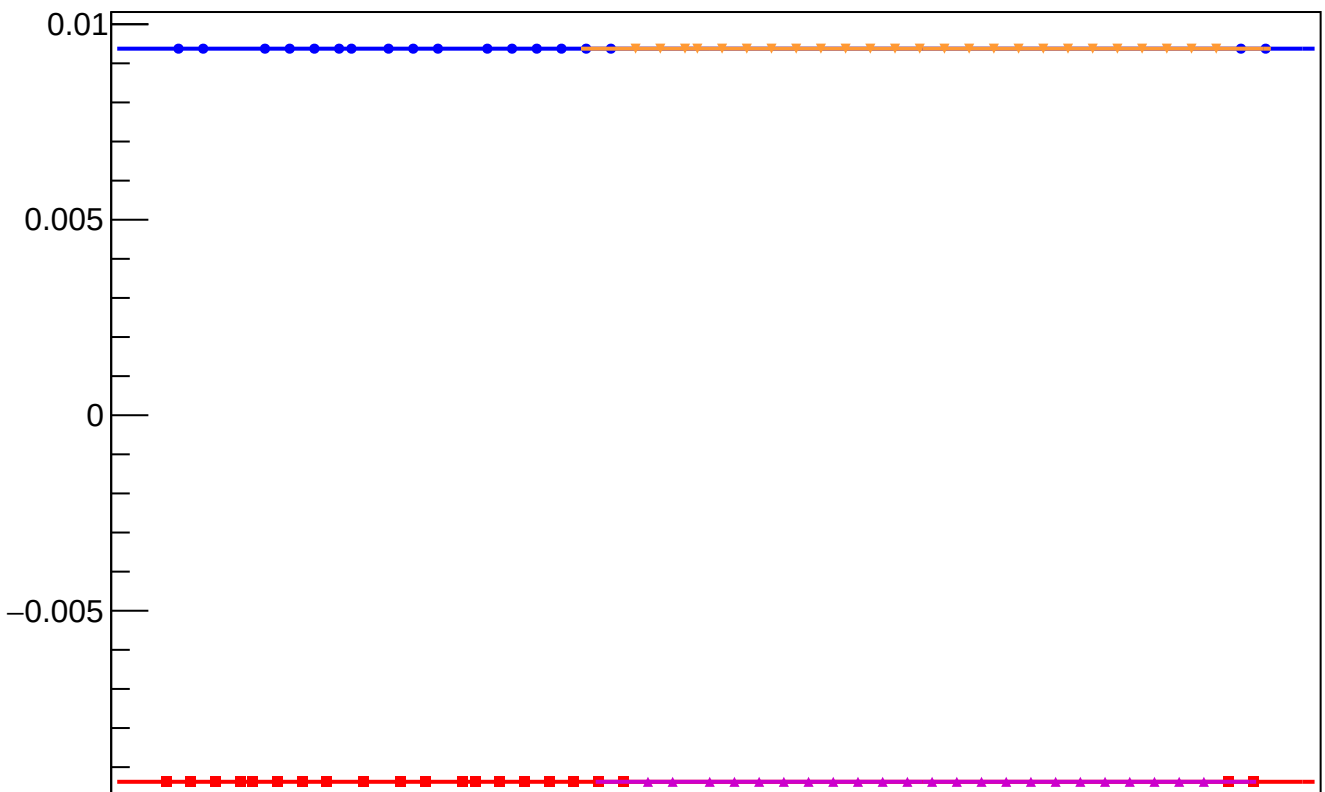
Out: -0.001+/-0.000 χ^2/NDF:191.9/43

All: -0.000+/-0.000 χ^2/NDF: 361.9/84


HALLA_p_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
180
190
Left: 62.103+/-0.000 χ²/NDF: 18541167673153150
Right In: 2175.185+/-0.000 χ²/NDF: 19440907985340215770187950729461760/17
Right: -114.732+/-0.000 χ²/NDF: 810758427184648
Left Out: 2174.643+/-0.000 χ²/NDF:52116844463194421571996575984517120/24
In: -872.844+/-0.000 χ²/NDF:1079216926469114
Right Out: -2174.392+/-0.000 χ²/NDF: 57082692105556374847098312248524800/20
Out: 828.123+/-0.000 χ²/NDF:1181753674726572
Left In: -2174.573+/-0.000 χ²/NDF:34312670977938388457288638157291520/22
All: 8.235+/-0.000 χ²/NDF: 26686131226288


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 791371024838306465579008.0/17
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 113785178351693150656921 6.0/20
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: 52755329250150462
In: 0.000+/-0.000 χ²/NDF:8747445181754509285
Out: -0.000+/-0.000 χ²/NDF:10631345870554709
All: -0.000+/-0.000 χ²/NDF: 2709450653096

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

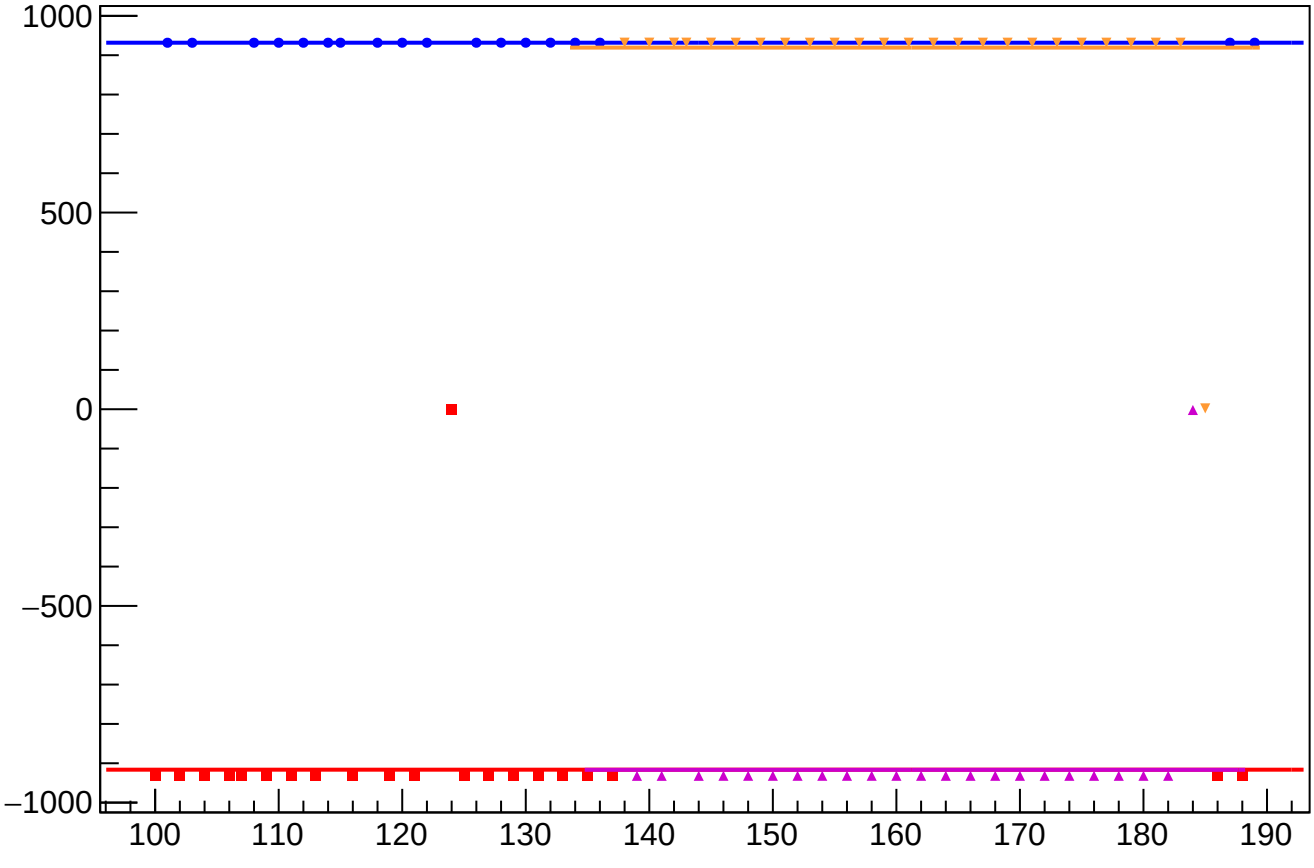
Right: -0.000+/-0.000 χ^2/NDF: 1506605857329841

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: 0.000+/-0.000 χ^2/NDF: 4959599282296

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

Right In: 931.776+/-0.000 χ^2/NDF: 3142671202643525494267176812544.0/17

Right: -41.196+/-0.000 χ^2/NDF: 147650778995362

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

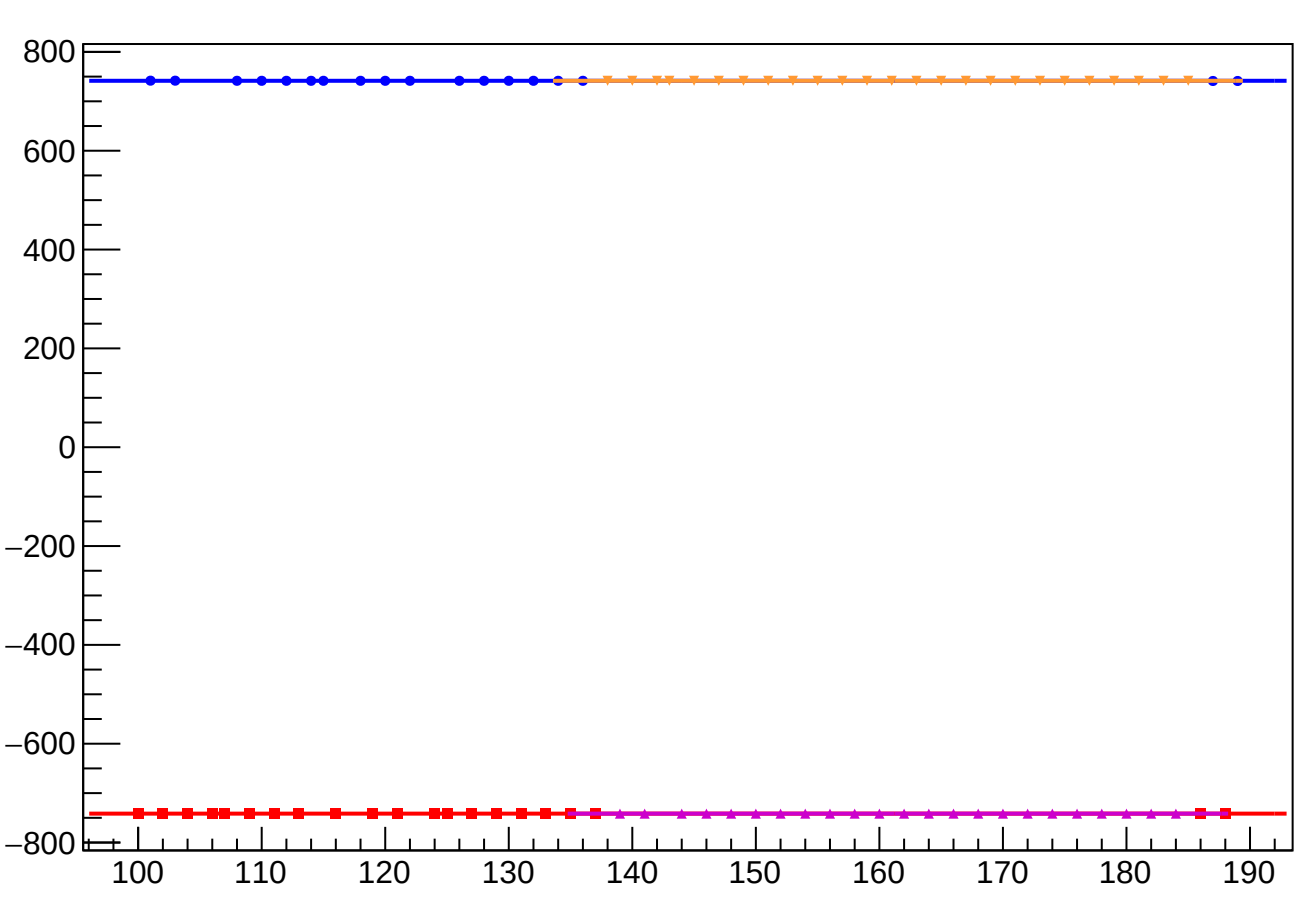
In: -363.484+/-0.000 χ^2/NDF:1975247029826136

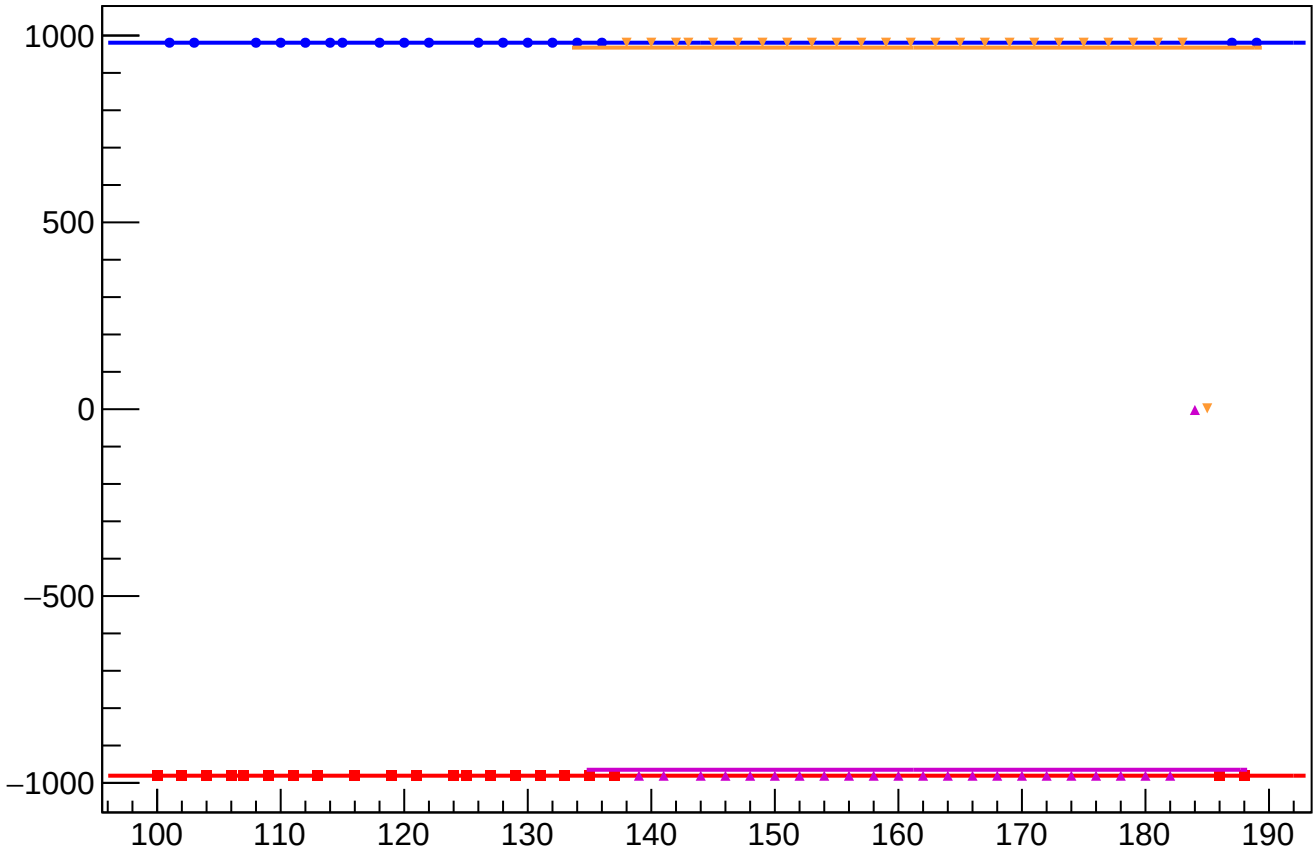
Right Out: -916.334+/-0.000 χ^2/NDF: 1280639838157783790353640081501 4019072.0/20

Out: 350.996+/-0.000 χ^2/NDF:214123092359036

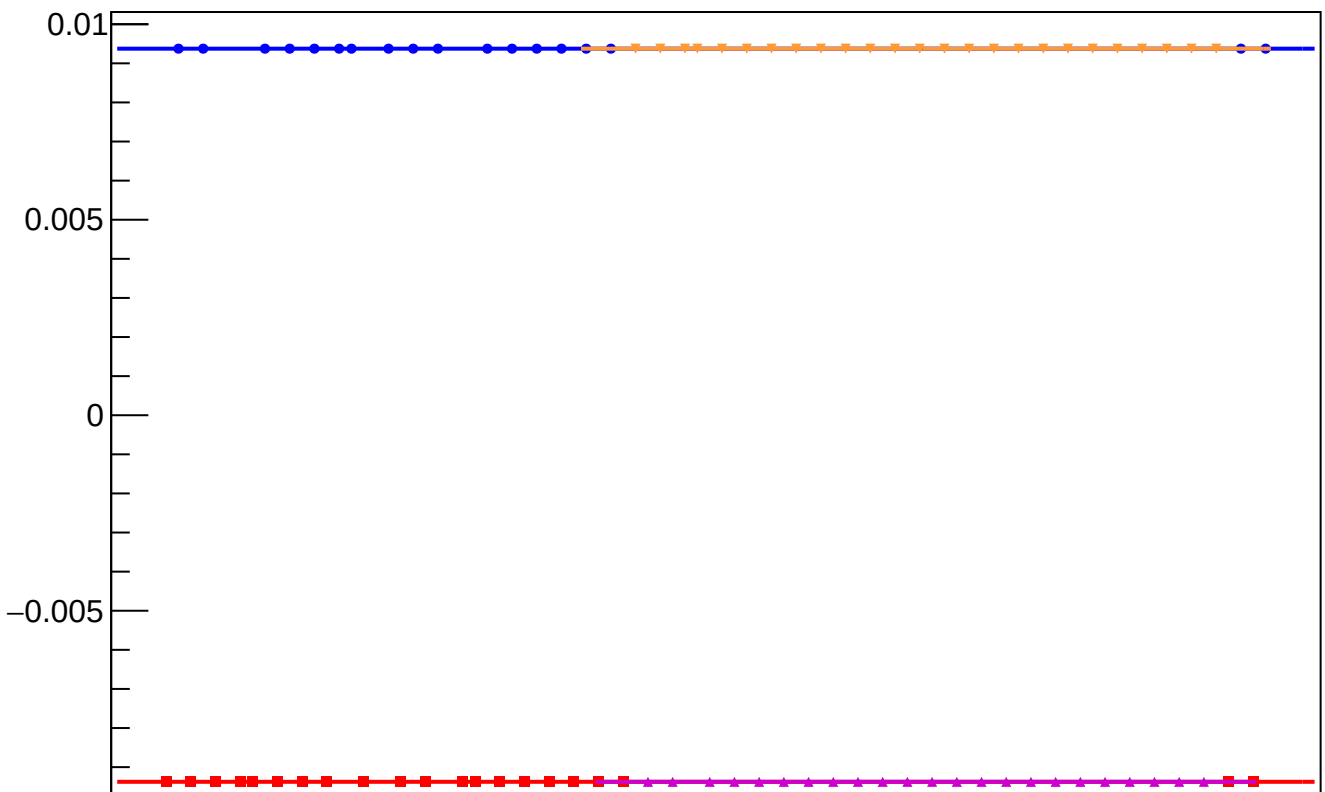
Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

All: 6.607+/-0.000 χ^2/NDF: 4835708607677


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
190
Right In: 741.532+/-0.000 χ²/NDF: 173551007921441987047817729802240/17
Left Out: 741.513+/-0.000 χ²/NDF:25197631076812629623188960051 2.0/24
Right Out: -741.512+/-0.000 χ²/NDF: 28035322567735962151955533398016.0/20
Left In: -741.513+/-0.000 χ²/NDF:23470398303008542318589588275 2.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: -39.244+/-0.000 χ²/NDF: 942552477595739
In: -297.690+/-0.000 χ²/NDF:1254547483006720
Out: 282.349+/-0.000 χ²/NDF:1374161905786782
All: 2.763+/-0.000 χ²/NDF: 3102733720149


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Left: 28.991+/-0.000 χ²/NDF: 37154523356806808
Right In: 980.804+/-0.000 χ²/NDF: 936100460929201627335854391296.0/17
Right: -51.897+/-0.000 χ²/NDF: 164892416516878
Left Out: 967.677+/-0.000 χ²/NDF:2550515560327992564154129577963369267 2.0/24
In: -382.587+/-0.000 χ²/NDF:2188507376509300
Right Out: -980.757+/-0.000 χ²/NDF: 6163263749204714166357262860288 0.0/20
Out: 364.415+/-0.000 χ²/NDF:2397491808058156
Left In: -964.854+/-0.000 χ²/NDF:29215838960103078784112845628245016576.0/22
All: 4.350+/-0.000 χ²/NDF: 5372197472055

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

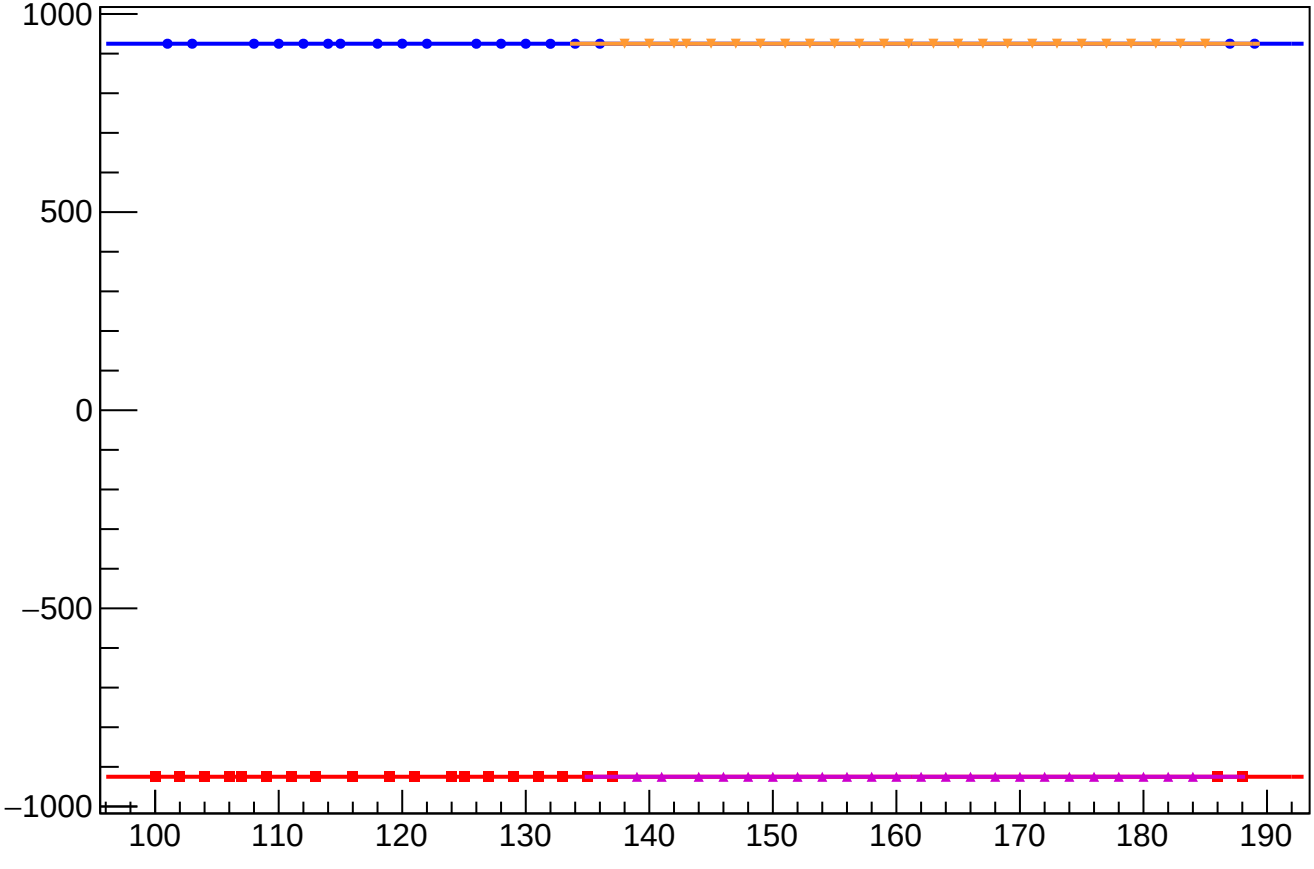
Right: -0.000+/-0.000 χ^2/NDF: 1506605857329841

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: 0.000+/-0.000 χ^2/NDF: 4959599282296

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.972+/-0.000 χ^2/NDF: 2810458903902001143901545562112.0/17

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.982+/-0.000 χ^2/NDF: 151613864776108157946391062118 4.0/20

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

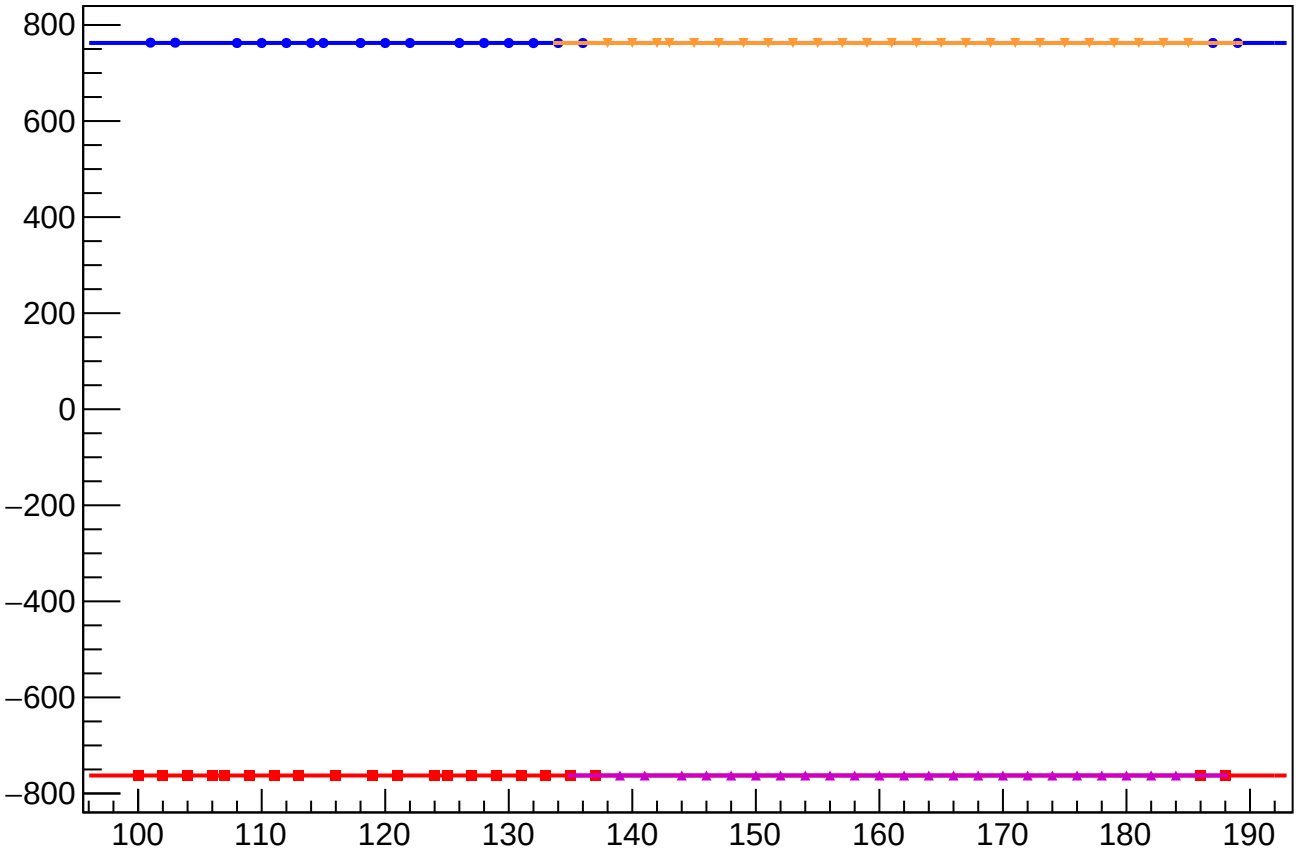
Left: 26.401+/-0.000 χ^2/NDF: 3354615142636374

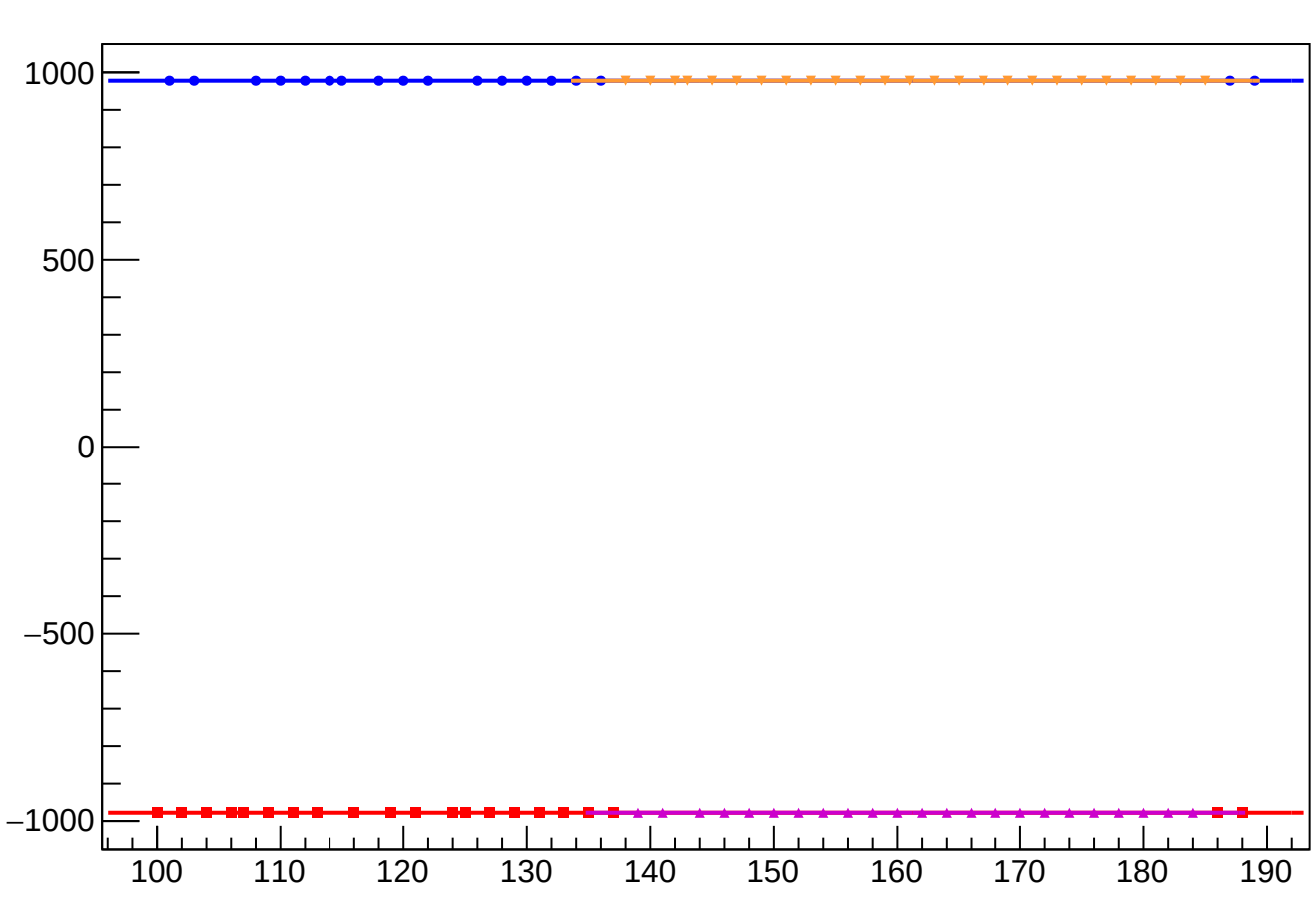
Right: -48.971+/-0.000 χ^2/NDF: 146662367128944

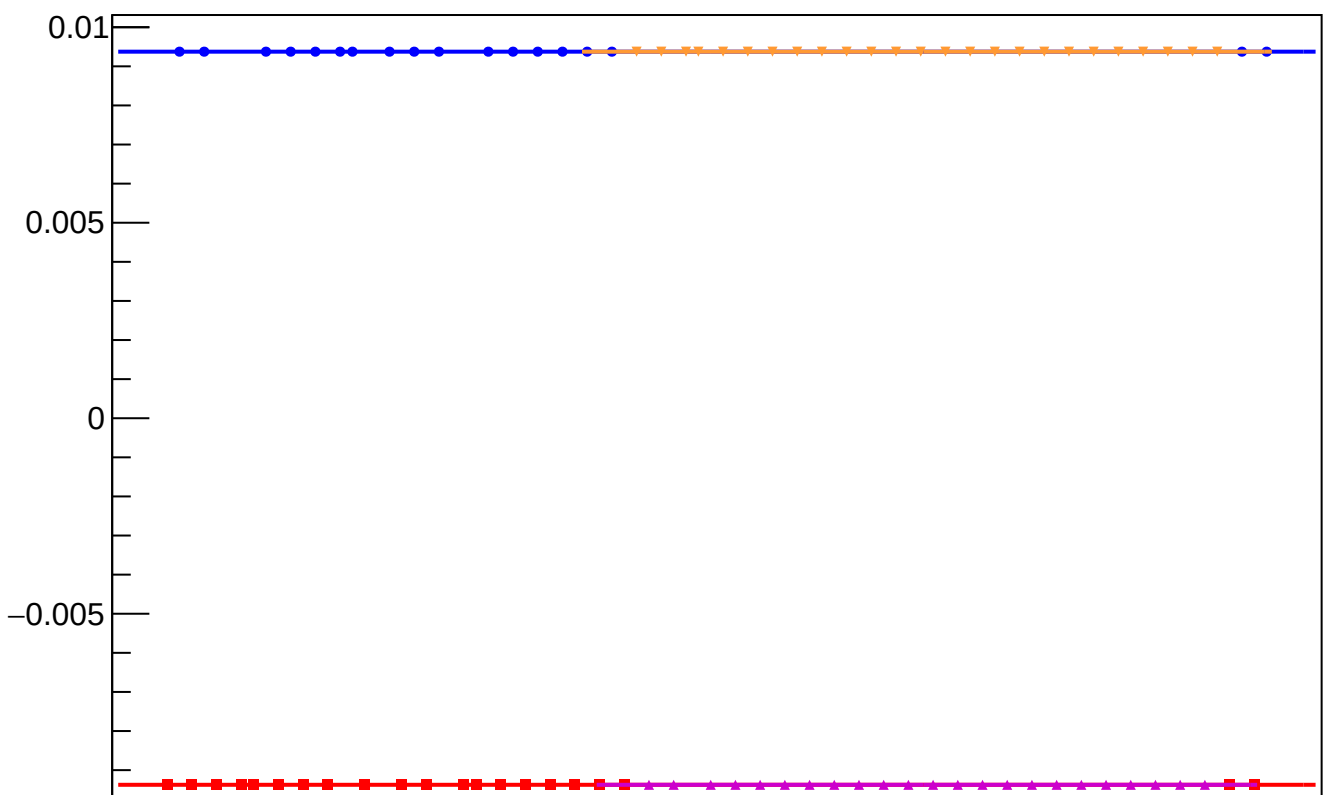
In: -371.357+/-0.000 χ^2/NDF:1952093723402770

Out: 352.209+/-0.000 χ^2/NDF:2138296297830644

All: 3.441+/-0.000 χ^2/NDF: 4828029579950


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
190
Right In: 762.607+/-0.000 χ²/NDF: 52250933778995117475440806068224.0/17
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
Right Out: -762.611+/-0.000 χ²/NDF: 53366897036680519494797151436800.0/20
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
Left: 21.764+/-0.000 χ²/NDF: 2279690166404058
Right: -40.373+/-0.000 χ²/NDF: 996922265272974
In: -306.102+/-0.000 χ²/NDF:1326752565857929
Out: 290.318+/-0.000 χ²/NDF:145329684794773
All: 2.835+/-0.000 χ²/NDF: 3281227608570


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 977.752+/-0.000 χ²/NDF: 2054861935262557094567200423936.0/17
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
Right Out: -977.753+/-0.000 χ²/NDF: 19465007490040243939497297838O8.0/20
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254O672.0/22
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right: -51.760+/-0.000 χ²/NDF: 1638759330951813
In: -392.527+/-0.000 χ²/NDF:2181165307776828
Out: 372.291+/-0.000 χ²/NDF:2389199246136972
All: 3.639+/-0.000 χ²/NDF: 5394510534150



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

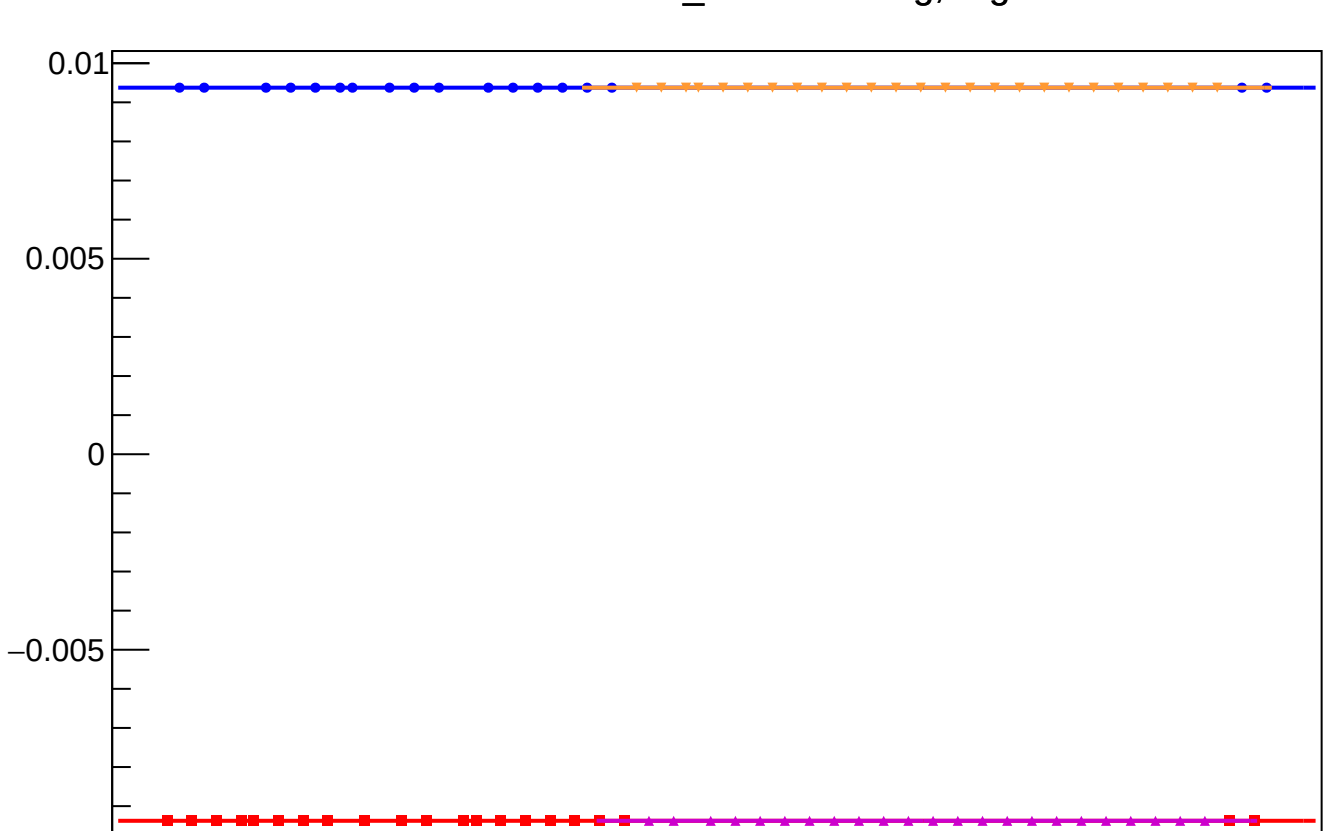
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 1506605857329841

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: 0.000+/-0.000 χ^2/NDF: 4959599282296



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

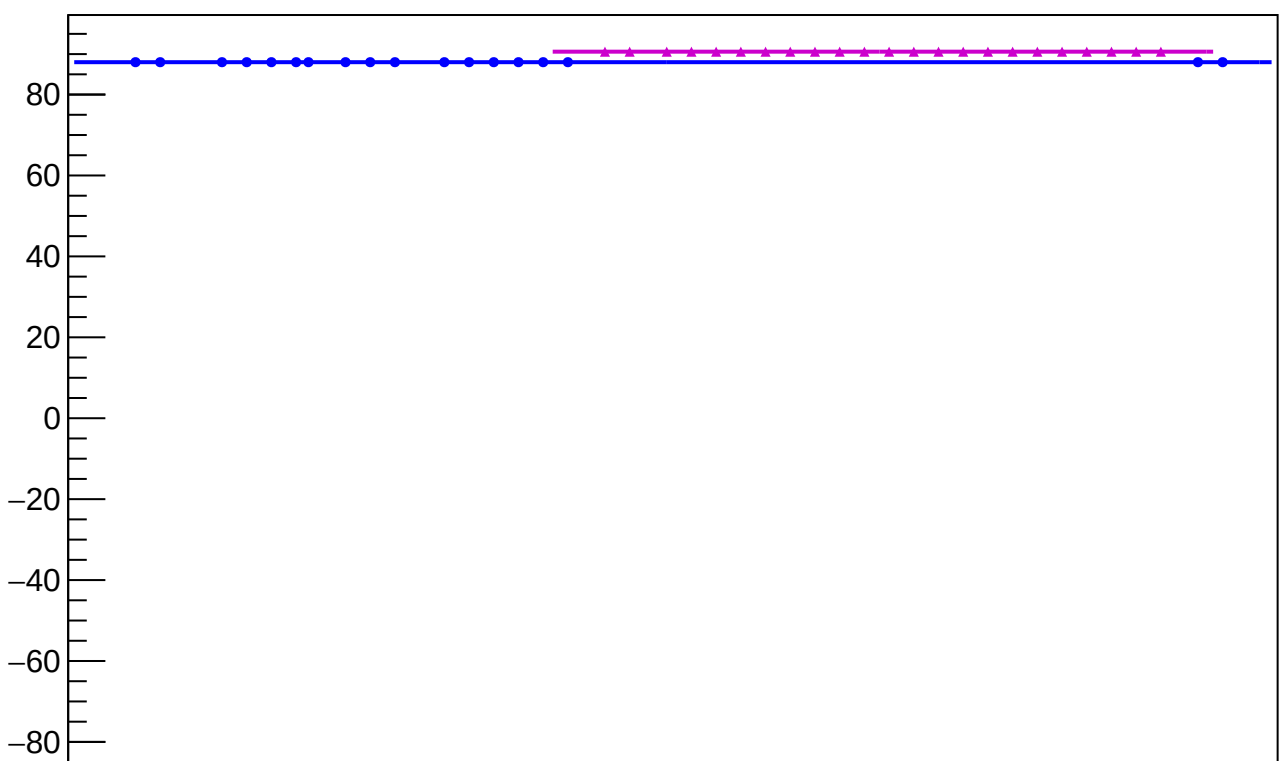
Right: -0.000+/-0.000 χ^2/NDF: 1506605857329841

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: 0.000+/-0.000 χ^2/NDF: 4959599282296

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1613567.6/17

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.003+/-0.000 χ^2/NDF: 7410216135460395936764238233 6.0/20

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

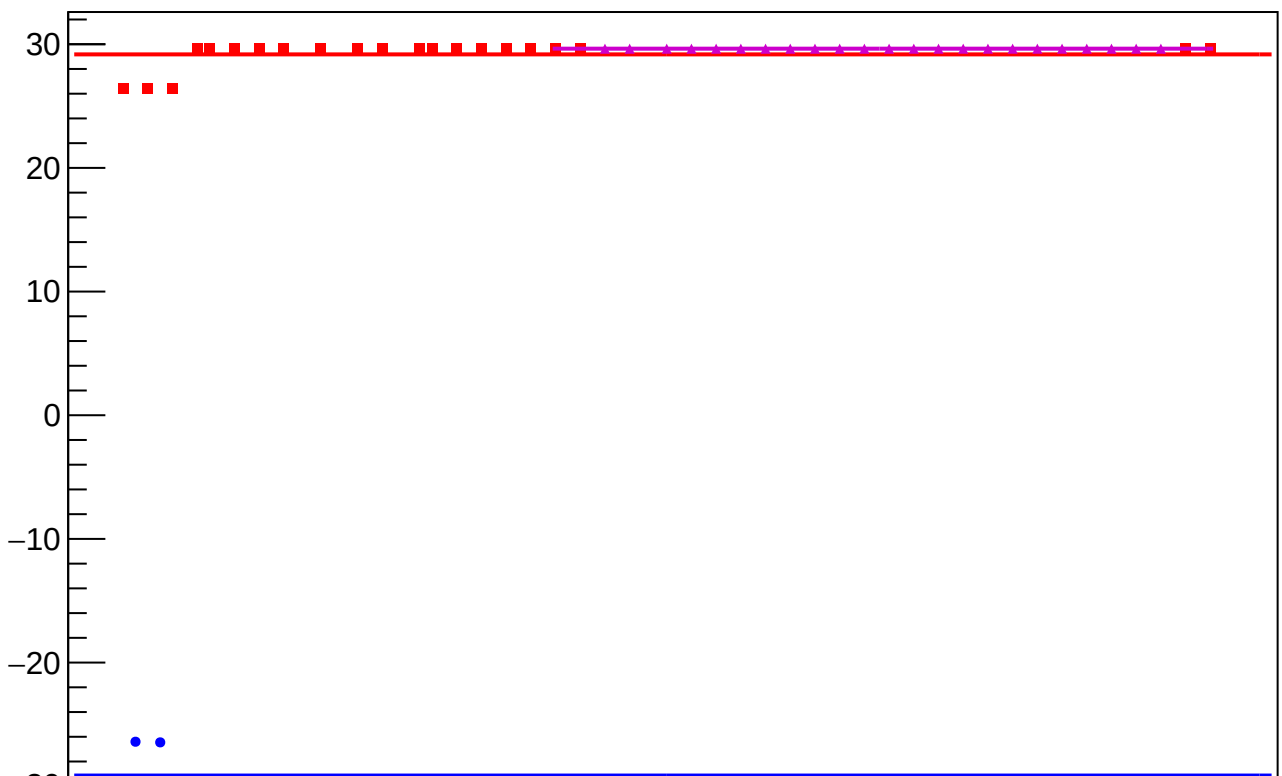
Right: -4.660+/-0.000 χ^2/NDF: 1327518660791694

In: 89.822+/-0.000 χ^2/NDF:385172414756200063

Out: -89.795+/-0.000 χ^2/NDF:4211755091529879

All: -3.218+/-0.000 χ^2/NDF: 4546319274618

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.135+/-0.000 χ^2/NDF: 11148595720603920810712305992990720.0/17

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.179+/-0.000 χ^2/NDF: 116116215513814042846132854744678 4.0/20

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

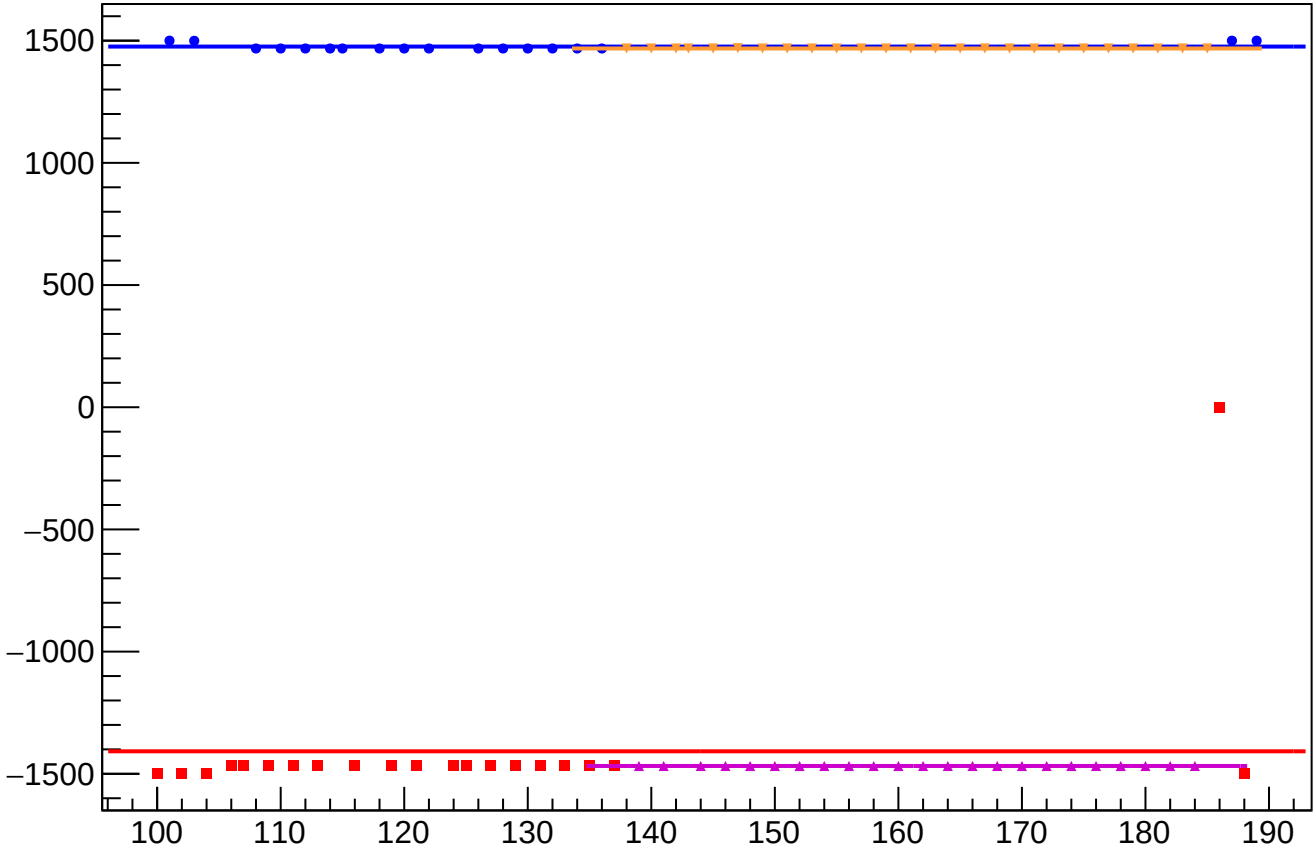
Right: 1.565+/-0.000 χ^2/NDF: 1459558656849267 4

In: 12.051+/-0.000 χ^2/NDF:197161745365152426

Out: -11.429+/-0.000 χ^2/NDF:2162807521404162

All: -0.111+/-0.000 χ^2/NDF: 4911214330634

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1475.847+/-0.000 χ^2/NDF: 153678242204766632767006235548450816.0/17

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1407.955+/-0.000 χ^2/NDF: 87481488189881619671060627245554991104.0/20

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

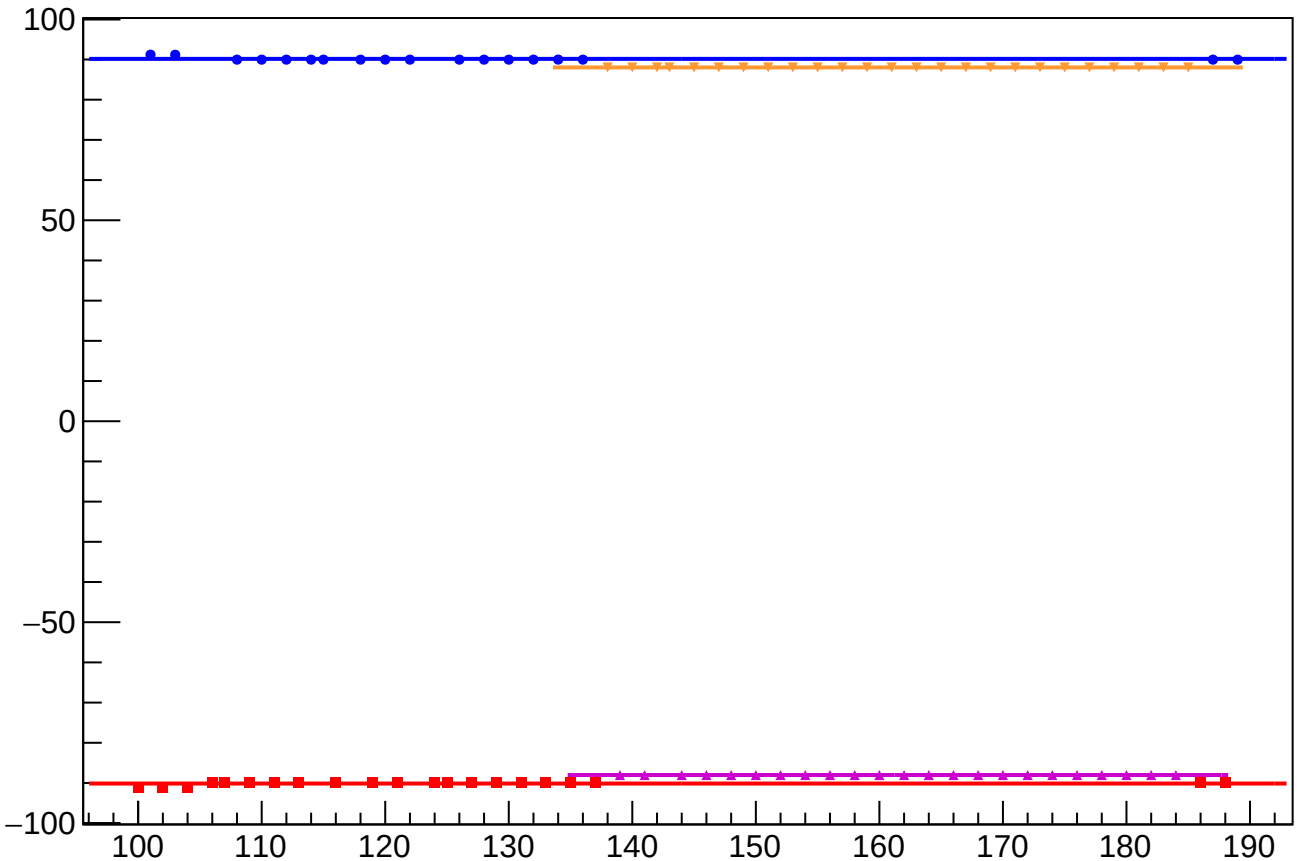
Right: -42.385+/-0.000 χ^2/NDF: 3651555810518091

In: -587.006+/-0.000 χ^2/NDF:4943339817193458

Out: 577.601+/-0.000 χ^2/NDF:5255456784036744

All: 16.245+/-0.000 χ^2/NDF: 1210973276498

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.154+/-0.000 χ^2/NDF: 16303845548708617234700848804659 2.0/17

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.136+/-0.000 χ^2/NDF: 17007724906079236145654522917683 2.0/20

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 3037698856817238 4

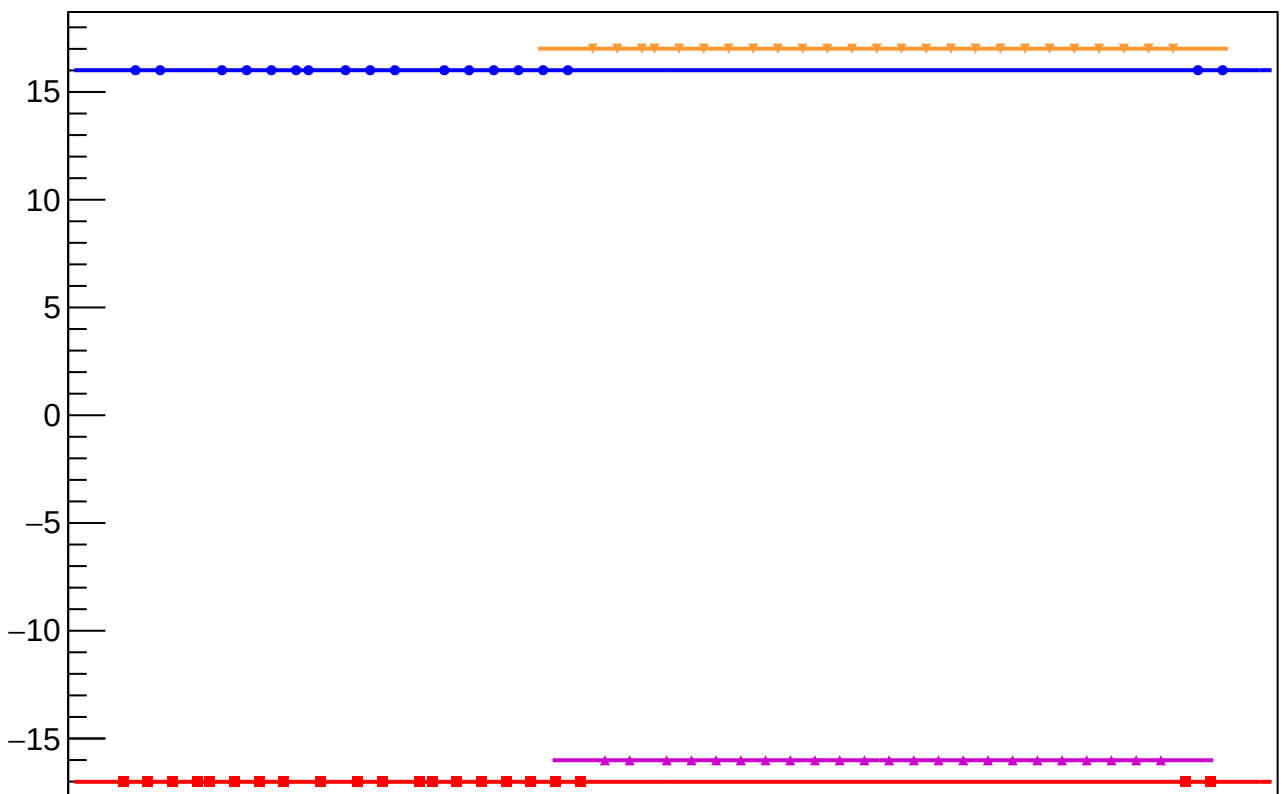
Right: -4.763+/-0.000 χ^2/NDF: 139299366945178 8

In: -34.699+/-0.000 χ^2/NDF:18108084511925690

Out: 32.861+/-0.000 χ^2/NDF:19831210307369921

All: 0.296+/-0.000 χ^2/NDF: 44370200232959

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 48076.3/17

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 150481540689174065598955520.0/20

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

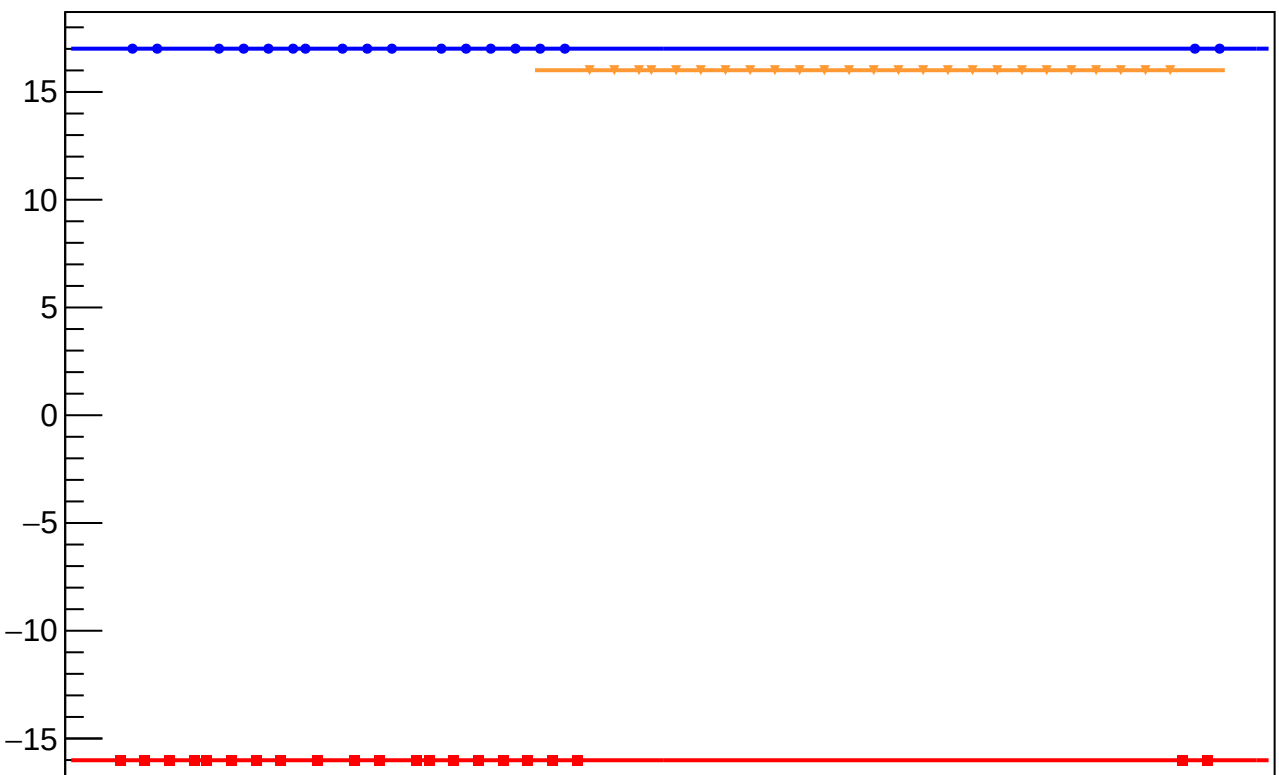
Right: -1.115+/-0.000 χ^2/NDF: 4382090504306630

In: -6.255+/-0.000 χ^2/NDF:552485808527084125

Out: 6.516+/-0.000 χ^2/NDF:668245132966678787

All: 0.329+/-0.000 χ^2/NDF: 1434637154076 6

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 116562.1/17

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 205507.7/20

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

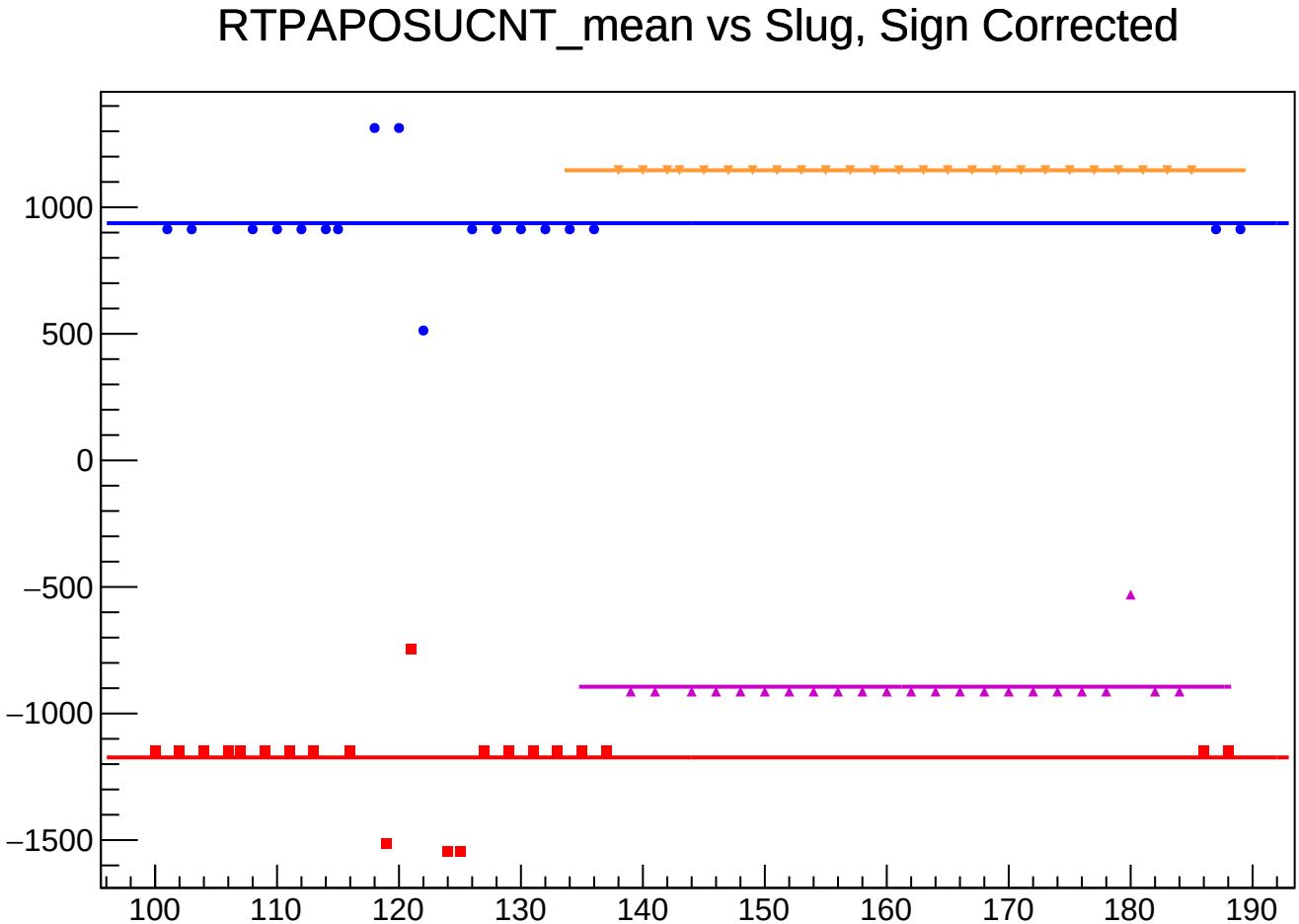
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

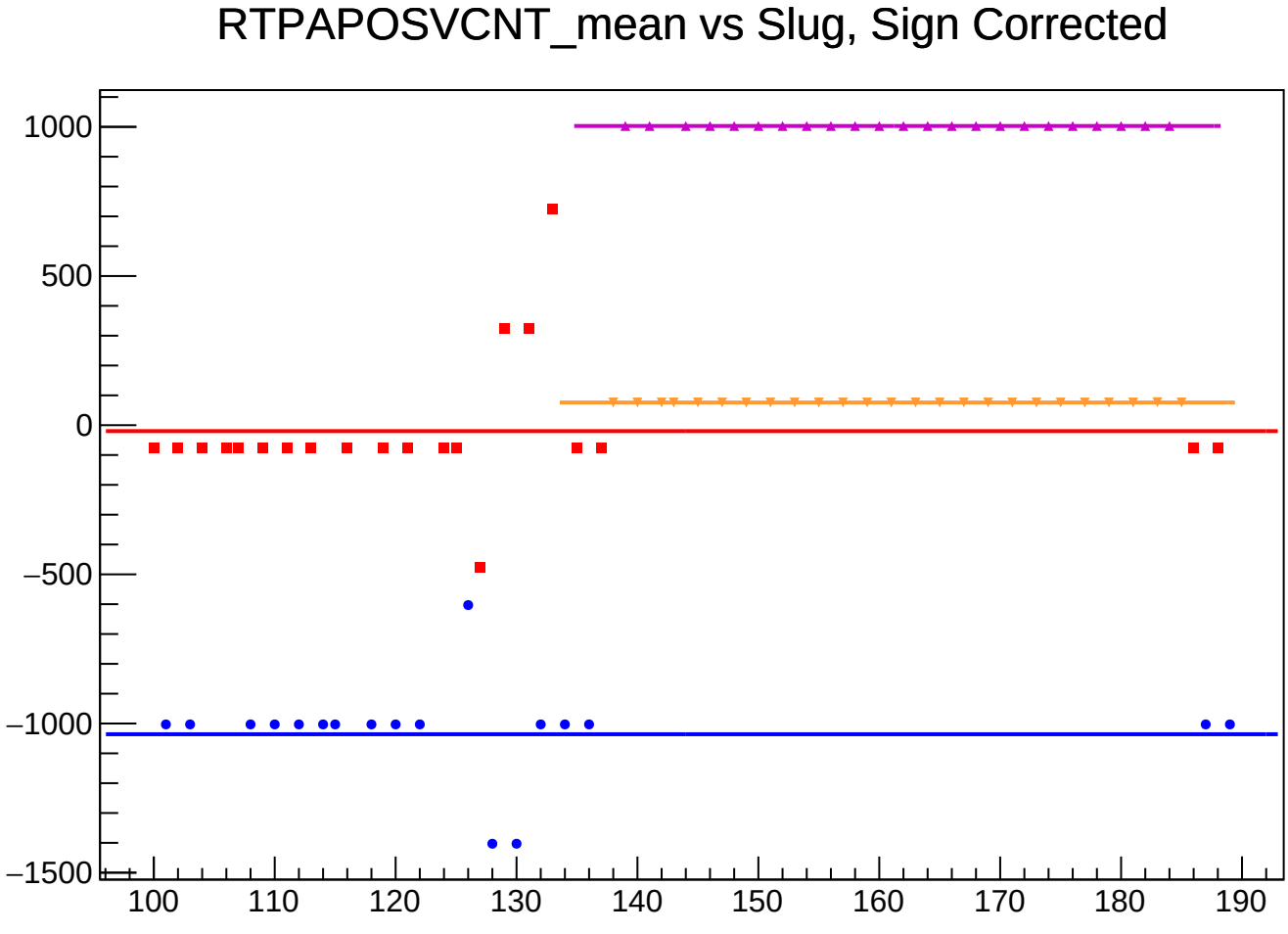
Right: -0.688+/-0.000 χ^2/NDF: 4557985468894075

In: -6.958+/-0.000 χ^2/NDF:635975346290062024

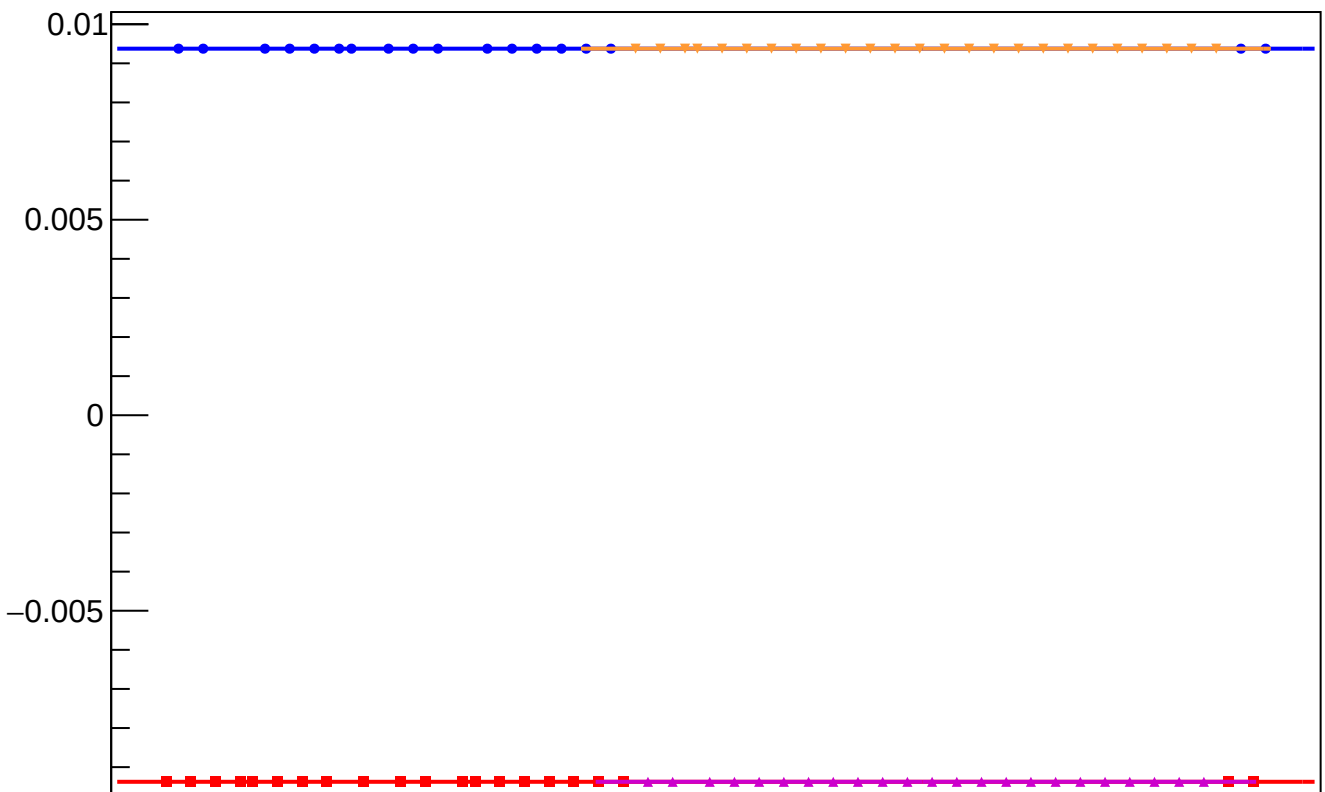
Out: 6.037+/-0.000 χ^2/NDF:636025056295160765

All: -0.163+/-0.000 χ^2/NDF: 1505129610776


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right In: 937.074+/-0.000 χ²/NDF: 211294224687999021859374650393194659840.0/17
Right: -174.032+/-0.000 χ²/NDF: 19522054379544
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974720.0/24
In: -346.099+/-0.000 χ²/NDF:1946910784196373
Right Out: -1173.413+/-0.000 χ²/NDF: 22266741113024199972485118925327040512.0/20
Out: 427.892+/-0.000 χ²/NDF:3383546391887289
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600/22
All: 54.818+/-0.000 χ²/NDF: 617449159358


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: -1035.913+/-0.000 χ²/NDF: 22957298334449310682429576005717852160.0/17
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048O.0/24
Right Out: -19.878+/-0.000 χ²/NDF: 4658819602523595100982656705160753971 2.0/20
Left In: 1002.990+/-0.000 χ²/NDF:29519559033483147530972692 48.0/22
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right: -501.002+/-0.000 χ²/NDF: 51194534395455
In: 392.818+/-0.000 χ²/NDF:2394175640044058
Out: 46.351+/-0.000 χ²/NDF:52338071342174540
All: 213.353+/-0.000 χ²/NDF: 26156398590

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

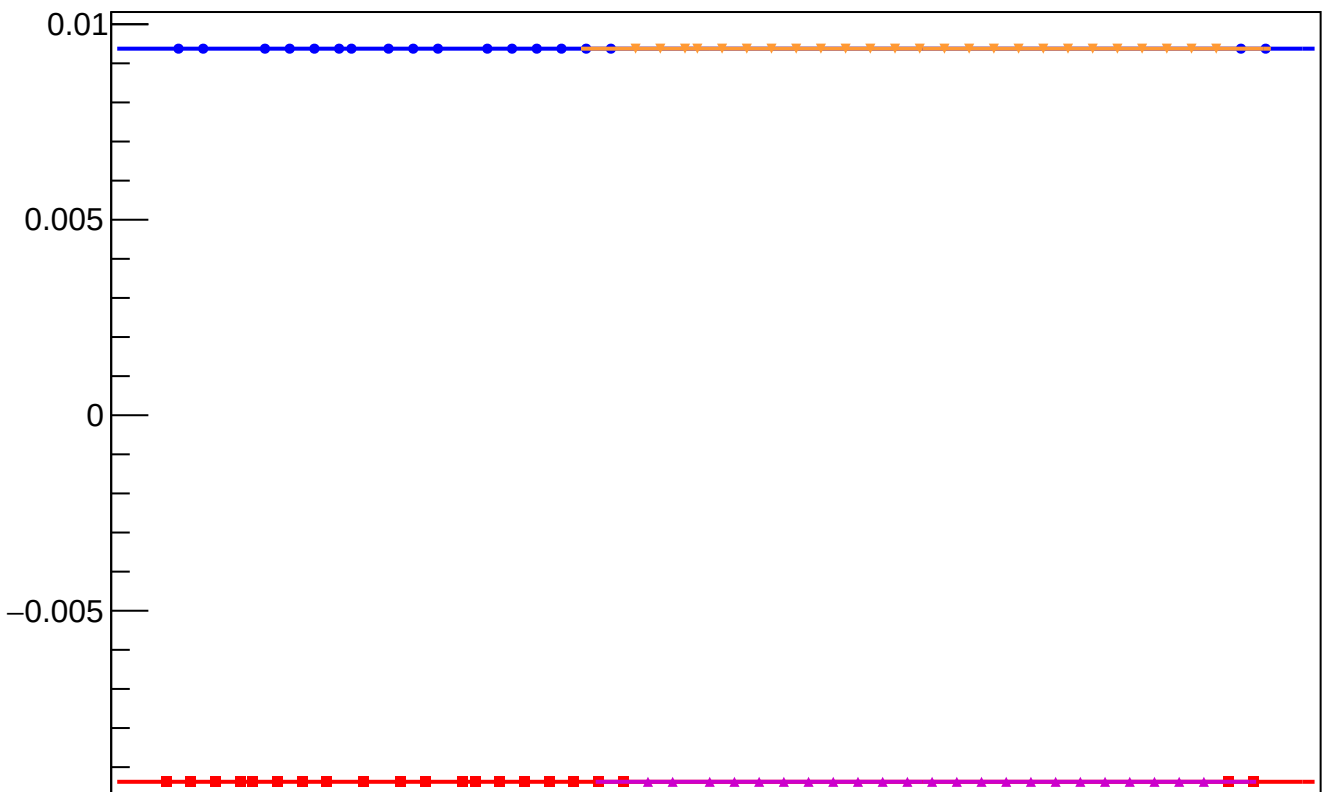
Right: -0.000+/-0.000 χ^2/NDF: 1506605857329841

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: 0.000+/-0.000 χ^2/NDF: 4959599282296

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/17

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

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: 1506605857329841

In: -0.004+/-0.000 χ^2/NDF:200530732996323088

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: 0.000+/-0.000 χ^2/NDF: 4959599282296